PROJECT ID: 1530-05-72

WITH: N/A

COUNTY: PIERCE

ORDER OF SHEETS

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

TOTAL SHEETS =



N

DESIGN DESIGNATION 1530-05-02

A.A.D.T.	2020	=	2,600
A.A.D.T.	2040	=	3,200
D.H.V.		=	422
D.D.		=	60/40
T.		=	30.5%
DESIGN SPEED		=	55 MPH
ESALS		=	1,839,600

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

ELLSWORTH - DURAND

CTH A TO EAST COUNTY LINE

USH 10

PIERCE COUNTY

STATE PROJECT NUMBER
1530-05-72

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1530-05-72		

TRANS 220 PROJECT PLAN FOR DESIGN OF UTILITY FACILITY ALTERATIONS OR RELOCATIONS

Wis. Admin. Code § Trans 220

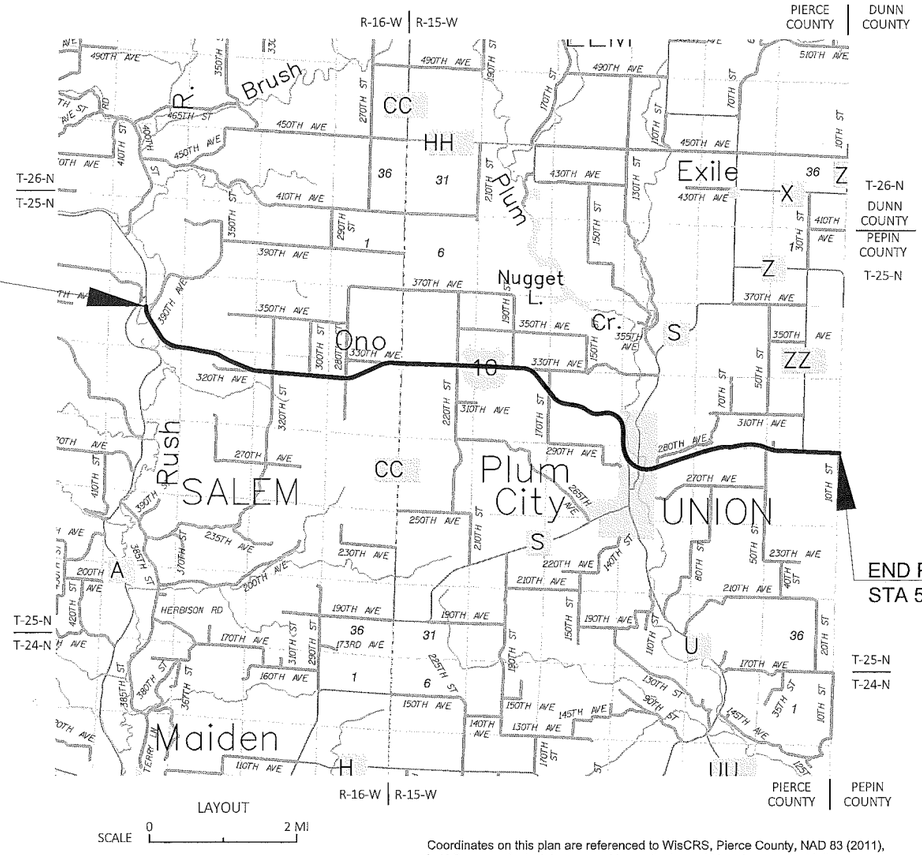
PROJECT PLAN

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

Date: August 14, 2019

TRANS 220 PROJECT PLAN FOR DESIGN OF UTILITY FACILITY ALTERATIONS OR RELOCATIONS

BEGIN PROJECT
STA 7+96.38
Y = 292920.347
X = 524096.101



END PROJECT
STA 575+97.96

LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 10.670 MI

EXCEPTION TO NET LENGTH OF CENTERLINE:
STA. 34+69.80 - STA. 35+31.51 (BRIDGE)
STA. 425+42.96 - STA. 429+42.89 (BRIDGE)

Coordinates on this plan are referenced to WisCRS, Pierce County, NAD 83 (2011), in U.S. survey feet. Values are grid coordinates, grid bearings, and grid distances. Grid distances may be used as ground distances.

Vertical datum based on USGS NAVD 88 (2012).

ORIGINAL PLANS PREPARED BY

KL Engineering
[A] Better Experience

WISCONSIN
BRIAN J. ST. VINCENT
44329-6
FITCHBURG, WI
PROFESSIONAL ENGINEER

MAY 1, 2019 (Date)

(Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SURVEYOR
Designer	Paula Groom/KL Engineering
Project Manager	Paula Groom
Regional Examiner	Jennifer Oldenburg
Regional Supervisor	Timothy Mason

APPROVED FOR THE DEPARTMENT

DATE: 5/11/19 (Signature)

E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\010101_TI.DWG PLOT DATE : 4/22/2019 10:57 AM PLOT BY : KL ENGINEERING PLOT NAME :

ABBREVIATIONS

BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
BLDG.	BUILDING
CBTP	CONCRETE BARRIER TEMPORARY PRECAST
CTR	CENTER
C/L	CENTERLINE
C.E.	COMMERCIAL ENTRANCE
CONC.	CONCRETE
CSW	CONCRETE SIDEWALK
CMCP	CORRUGATED METAL CULVERT PIPE
CP	CULVERT PIPE
CPCS	CULVERT PIPE CORRUGATED STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CPT	CONSTRUCTION PERMIT
DMS	DYNAMIC MESSAGE SIGN
EAT	ENERGY ABSORBING TERMINAL
EB	EASTBOUND
ELEC	ELECTRIC
IE	INVERT ELEVATION
EX. OR EXIST	EXISTING
FO	FIBER OPTIC
F.E.	FIELD ENTRANCE
GAS	GAS
HMA	HOT MIX ASPHALT
HSE.	HOUSE
LHF	LEFT HAND FORWARD
MH	MANHOLE
MAX.	MAXIMUM
MIN.	MINIMUM
NOR.	NORMAL
NTS	NOT TO SCALE
PLE	PERMANENT LIMITED EASEMENT
P.E.	PRIVATE ENTRANCE
P.L.	PROPERTY LINE
PRW	PROPOSED RIGHT-OF-WAY
RAD OR R	RADIUS
R/L	REFERENCE LINE
REQ'D.	REQUIRED
RHF	RIGHT HAND FORWARD
RW	RIGHT-OF-WAY LINE
SAN	SANITARY SEWER
SHLD	SHOULDER
SW	SIDEWALK
SF	SQUARE FEET
SY	SQUARE YARD
S.D.D.	STANDARD DETAIL DRAWING
STA	STATION
SS	STORM SEWER
TEL	TELEPHONE
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
WAT	WATER
WB	WESTBOUND

UTILITY CONTACTS

ELECTRIC

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

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CENTURYLINK
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RICE LAKE, WI 54868
(715) 234-5528
MONTY.PARKER@CENTURYTEL.COM

SEWER

KEVIN ALMSTED
PLUM CITY WASTEWATER TREATMENT PLANT
205 CHERRY AVE W
PLUM CITY, WI 54761
(715) 495-2938

ELECTRIC

BRAD RISTOW
PIERCE PEPIN COOPERATIVE SERVICES
W7725 US HWY 10
P.O. BOX 420
ELLSWORTH, WI 54011-0420
(715) 273-2473
BRISTOW@PIERCEPEPIN.COM

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DALE GOSS
CHIPPEWA VALLEY CABLE INC.
318 3RD AVE W
DURAND, WI 54736
(715) 672-5966
DALE@NELSON-TEL.NET

GAS

LATROY BRUMFIELD
WE ENERGIES
333 WEST EVERETT ST, ROOM A299
MILWAUKEE, WI 53203
(414) 221-5617
LATROY.BRUMFIELD@WE-ENERGIES.COM
LEWIS.KNAPP@WE-ENERGIES.COM

COMMUNICATIONS

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DURAND, WI 54736
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BSTVINCENT@KLENGINEERING.COM

DESIGN CONTACT

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(715) 579-6776
PAULA.GROOM@DOT.WI.GOV

DNR LIAISON

AMY LESIK
DEPARTMENT OF NATURAL RESOURCES
1300 W CLAIREMONT AVE
EAU CLAIRE, WI 54701
(715) 836-6571
AMY.LESIK@WISCONSIN.GOV

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

ORDER OF DETAIL SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL PLAN
TRAFFIC CONTROL PLAN

GENERAL NOTES

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN IN THE PLAN, ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. CONTACT DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO START OF WORK.

UTILITY LOCATION MARKERS ON THE CROSS SECTIONS ARE FOR APPROXIMATE HORIZONTAL REFERENCE ONLY.

REMOVAL ITEMS REQUIRING RESTORATION OF CONCRETE OR ASPHALT SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

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

PIPE ELEVATIONS, LENGTHS, AND LOCATIONS AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL REINFORCED CONCRETE APRON ENDWALL LOCATIONS. APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THESE TIES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE REINFORCED CONCRETE PIPE.

STATIONING AND OFFSETS TO APRON ENDWALLS FOR CULVERT PIPES ARE SHOWN TO THE END OF THE PIPE.

CONTRACTOR IS RESPONSIBLE FOR RESHAPING AND FINISHING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY THEIR OPERATION OUTSIDE THE NORMAL CONSTRUCTION LIMITS.

THE CONTRACTOR MAY USE MILLINGS FOR SHOULDER MATERIAL (IN PLACE OF BASE AGGREGATE DENSE 3/4-INCH) IN THE WEISER HILL AND PLUM CITY AREAS DUE TO SHOULDERS WASHING OUT AT THESE LOCATIONS.

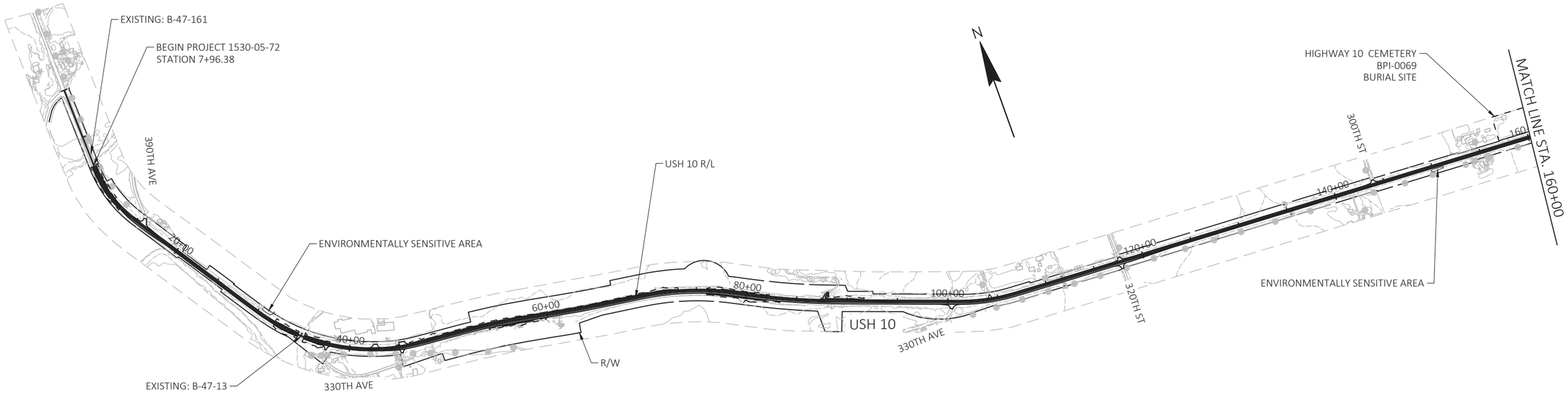
THE CONTRACTOR'S HMA PAVING OPERATION SHALL BE CONSISTENT WITH THE TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

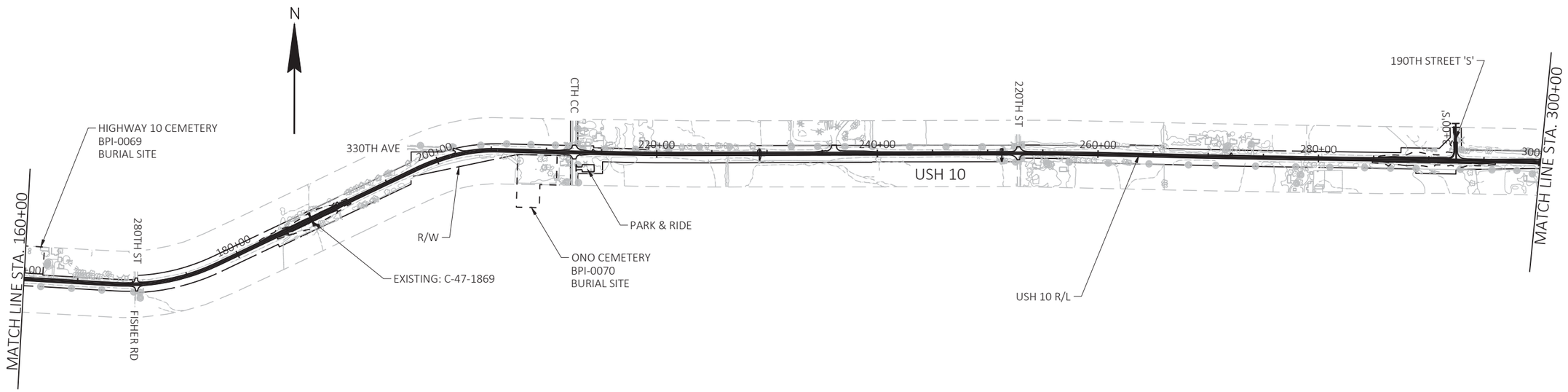
THE HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 110 LBS/SY/IN.

HMA PAVEMENT, WHEN INDICATED ON THE PLANS, SHALL CONSIST OF COURSES AS FOLLOWS:

LOCATION	TOTAL DEPTH	LAYERS	GRADATION	TRAFFIC	BINDER	DESIGNATION	NOTE
PARK & RIDE	2-INCH	2.00" UPPER	4	MT	58-34	V	OVERLAY PAVEMENT
US10	3.25-INCH	1.50" LOWER 1.75" UPPER	4 4	MT MT	58-34 58-34	V V	OVERLAY AND SHOULDER WIDENING PAVEMENT
US10	6-INCH	3.75" LOWER 2.25" UPPER	4 4	MT MT	58-34 58-34	V V	CULVERT REPLACEMENT PAVEMENT

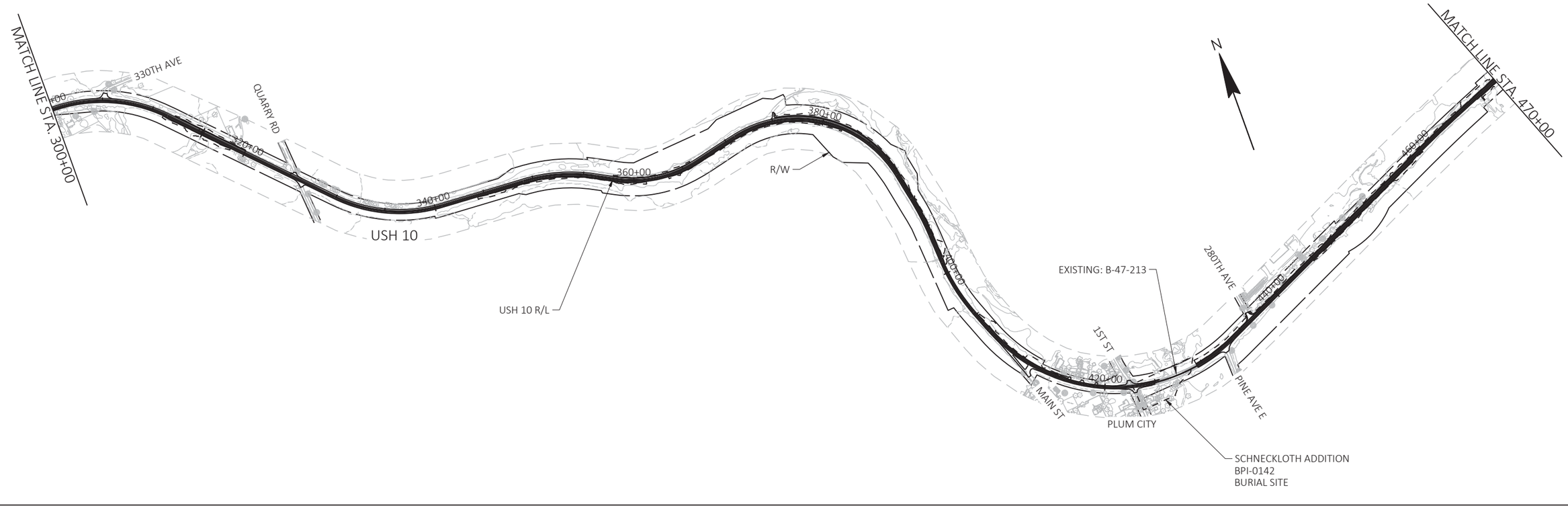
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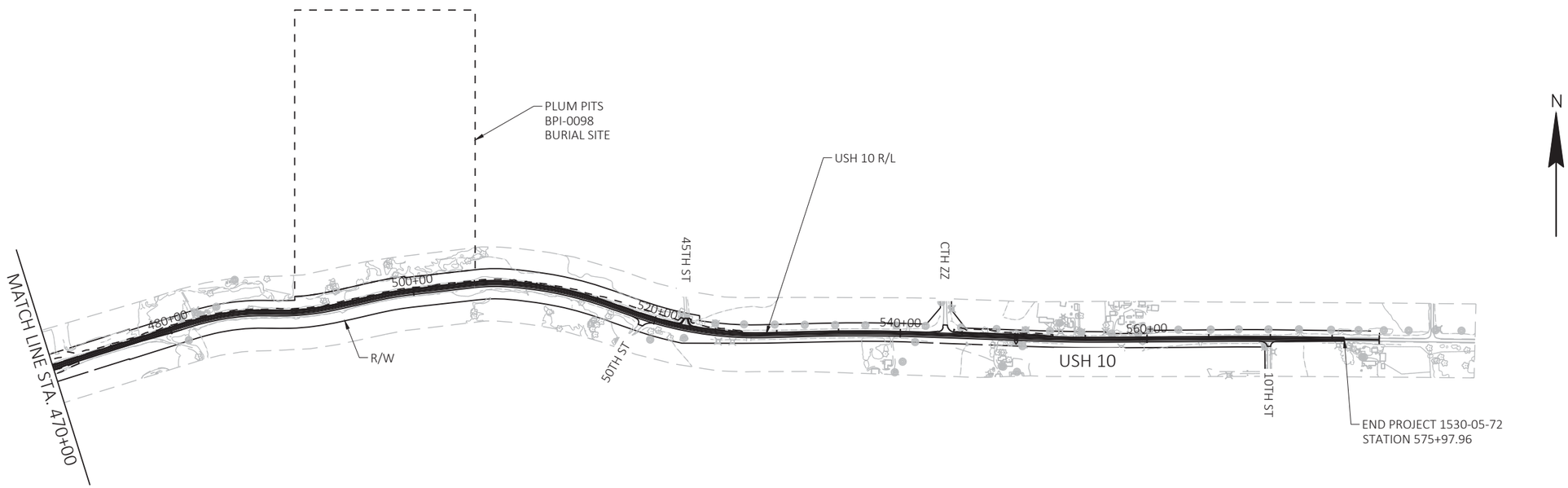




PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PROJECT OVERVIEW	SHEET	E

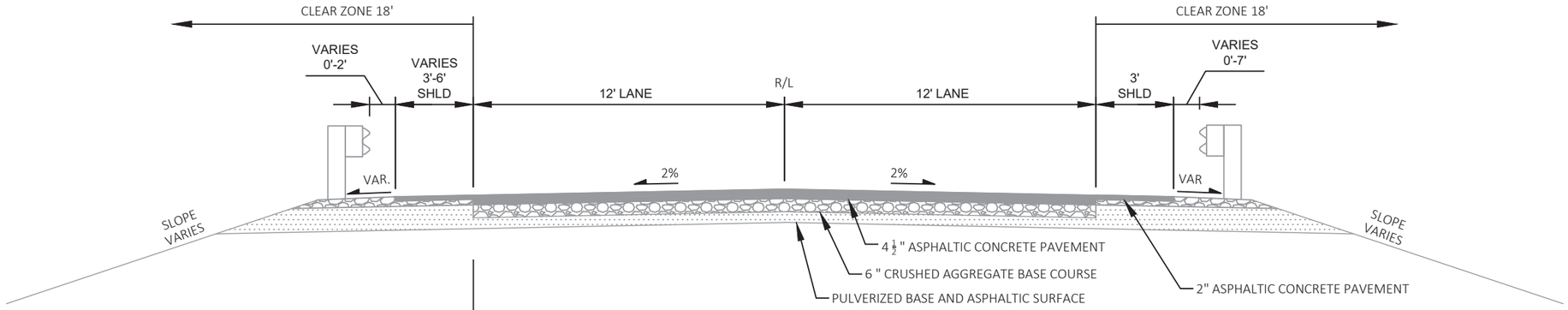
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LAYOUT NAME - Sheet - (1)
PLOT DATE : 7/2/2019 10:38 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 42





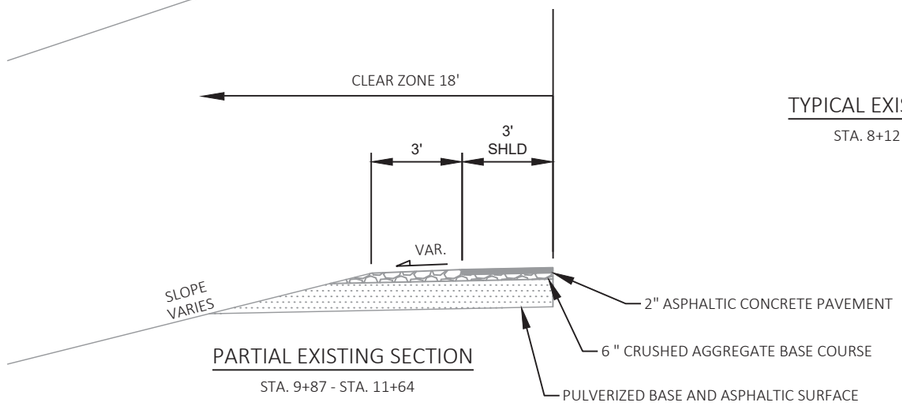
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PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42



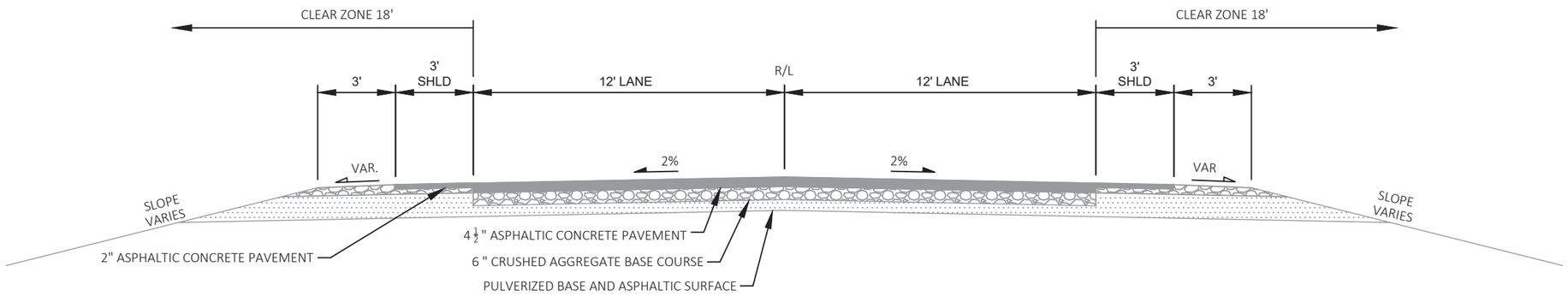
TYPICAL EXISTING SECTION

STA. 8+12 - STA. 11+64



PARTIAL EXISTING SECTION

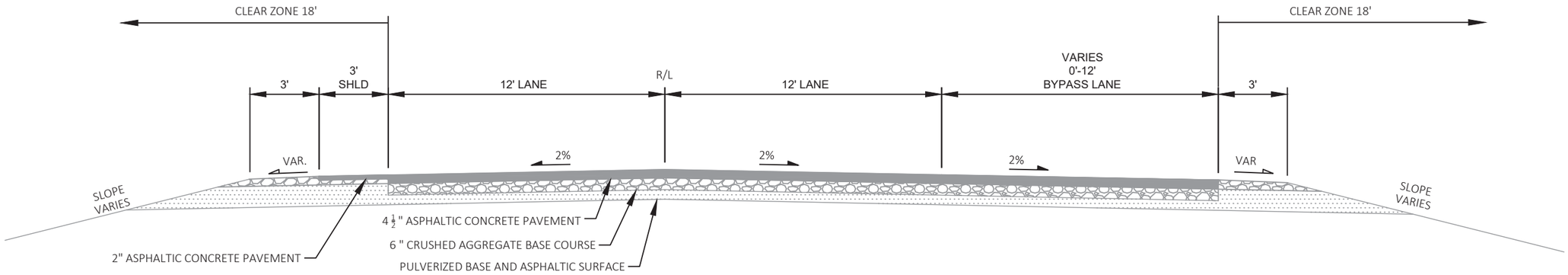
STA. 9+87 - STA. 11+64



TYPICAL EXISTING SECTION

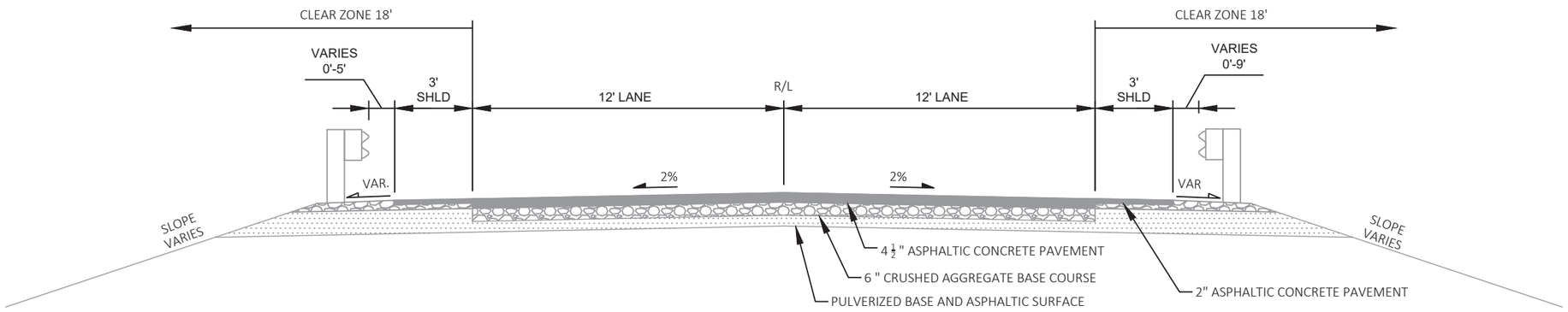
STA. 11+64 - STA. 13+40
STA. 20+03 - STA. 33+65
STA. 36+38 - STA. 42+66

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET	E



TYPICAL EXISTING SECTION

STA. 13+40 - STA. 20+03



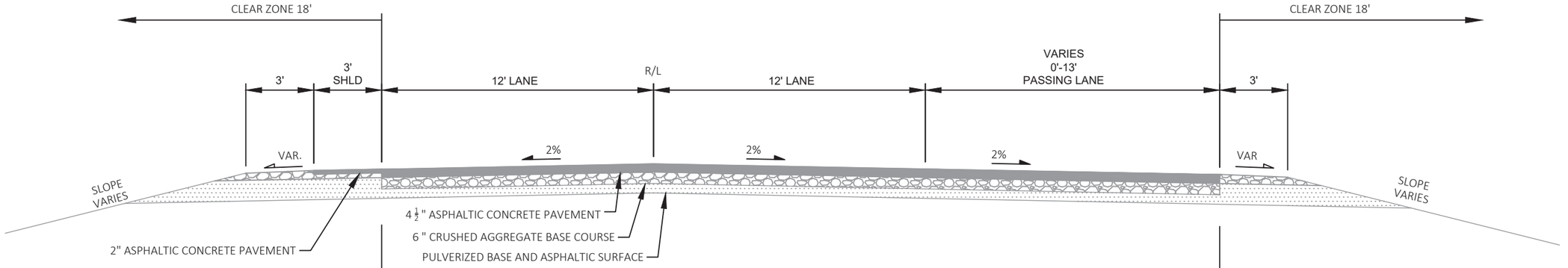
TYPICAL EXISTING SECTION

STA. 33+65 - STA. 36+38

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET	E

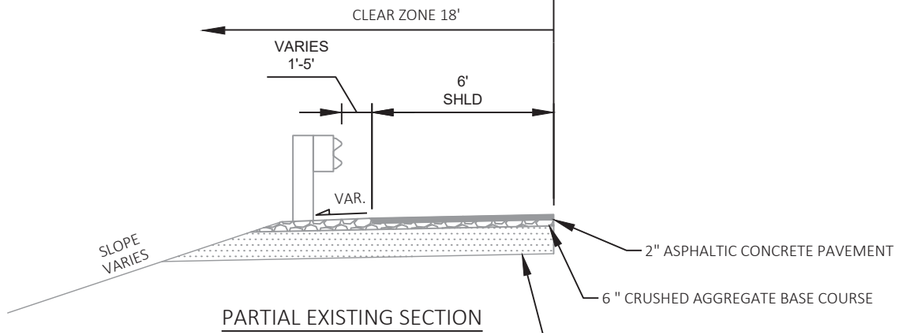
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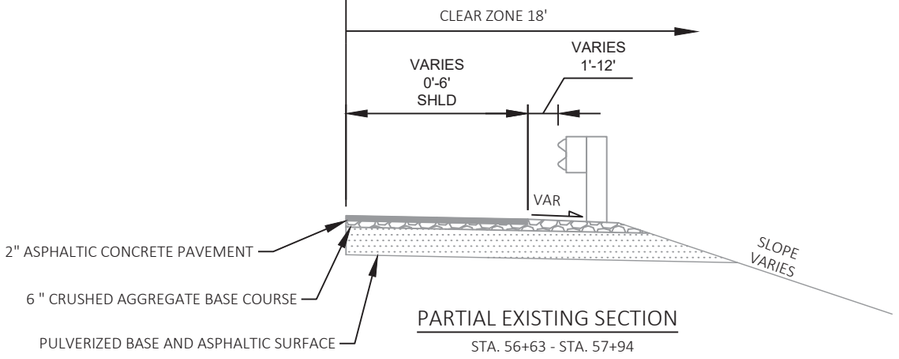
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STA. 42+66 - STA. 122+85



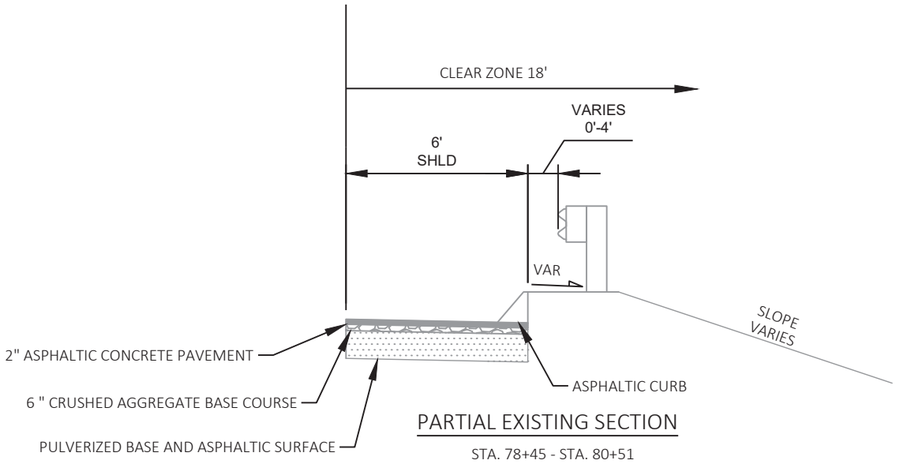
PARTIAL EXISTING SECTION

STA. 48+13 - STA. 71+57
STA. 77+95 - STA. 79+83
STA. 87+95 - STA. 88+67



PARTIAL EXISTING SECTION

STA. 56+63 - STA. 57+94

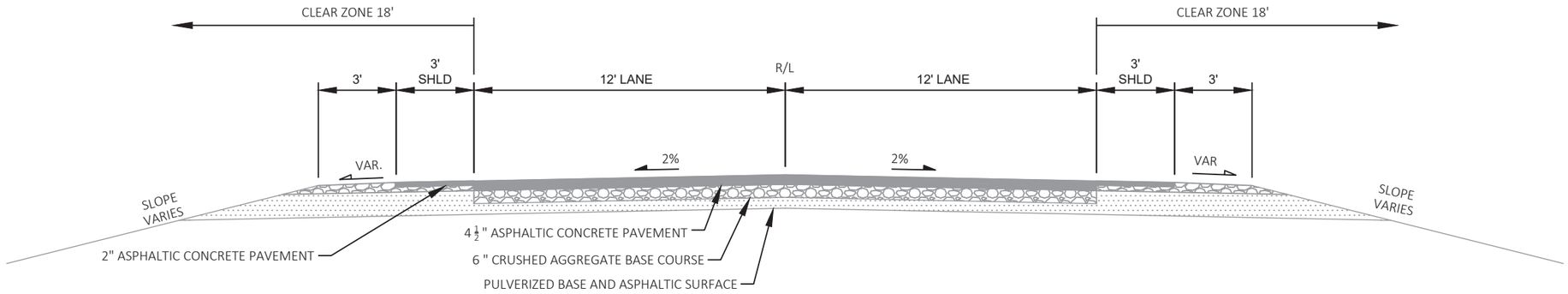


PARTIAL EXISTING SECTION

STA. 78+45 - STA. 80+51

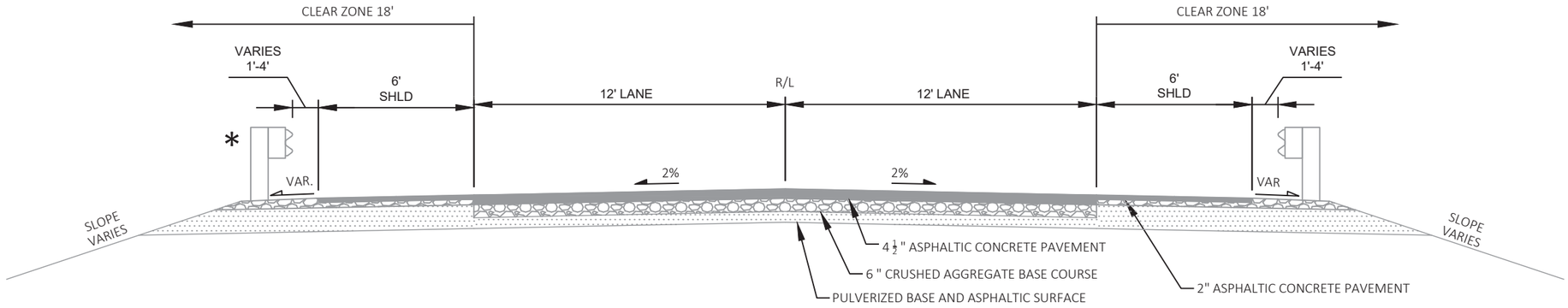
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LAYOUT NAME - 03
PLOT DATE : 7/2/2019 10:40 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



TYPICAL EXISTING SECTION

STA. 122+85 - STA. 185+17
STA. 189+70 - STA 287+71



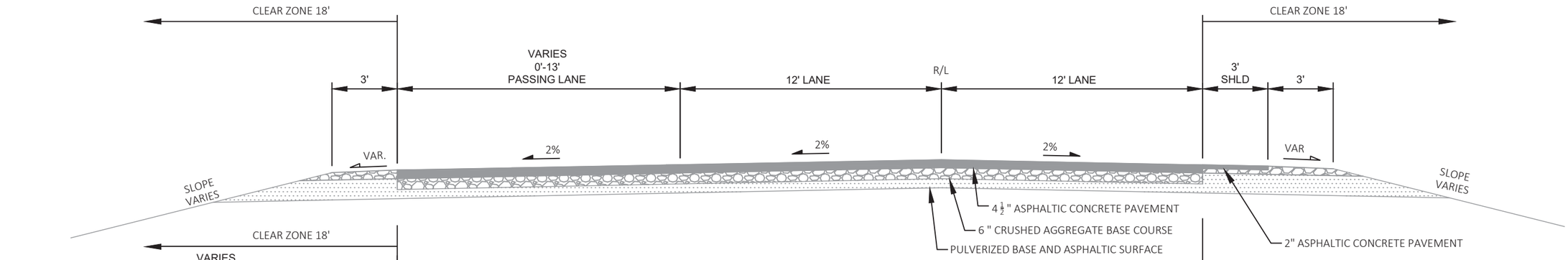
*NO BEAMGUARD STA. 292+28 - STA. 293+62

TYPICAL EXISTING SECTION

STA. 185+17 - STA. 189+70
STA. 287+71 - STA. 293+62

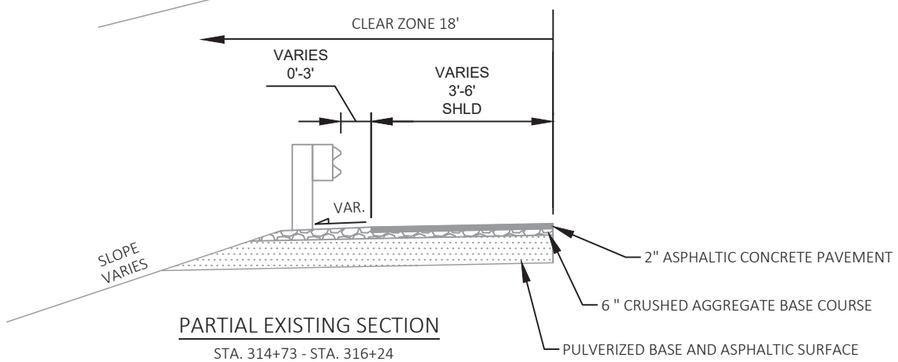
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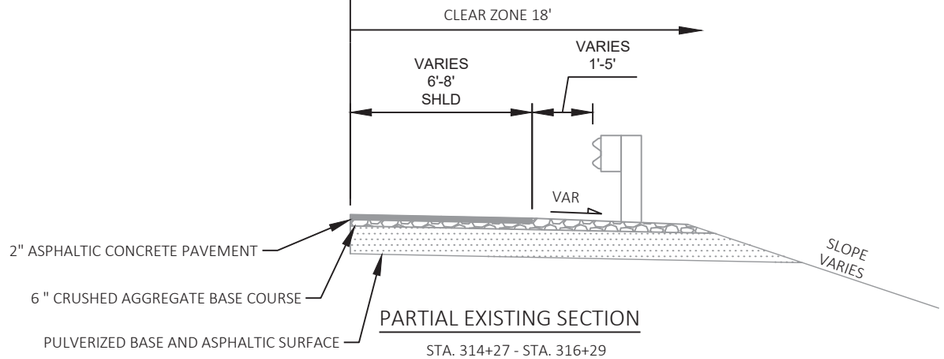
TYPICAL EXISTING SECTION

STA. 293+62 - STA. 388+44



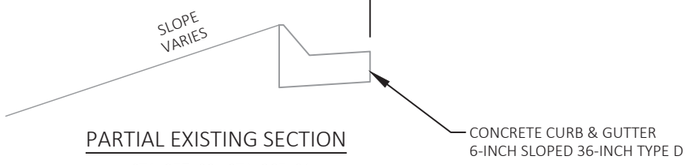
PARTIAL EXISTING SECTION

STA. 314+73 - STA. 316+24



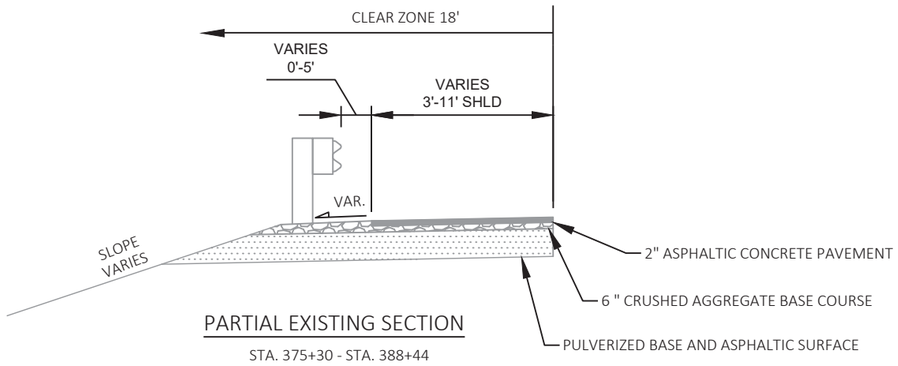
PARTIAL EXISTING SECTION

STA. 314+27 - STA. 316+29



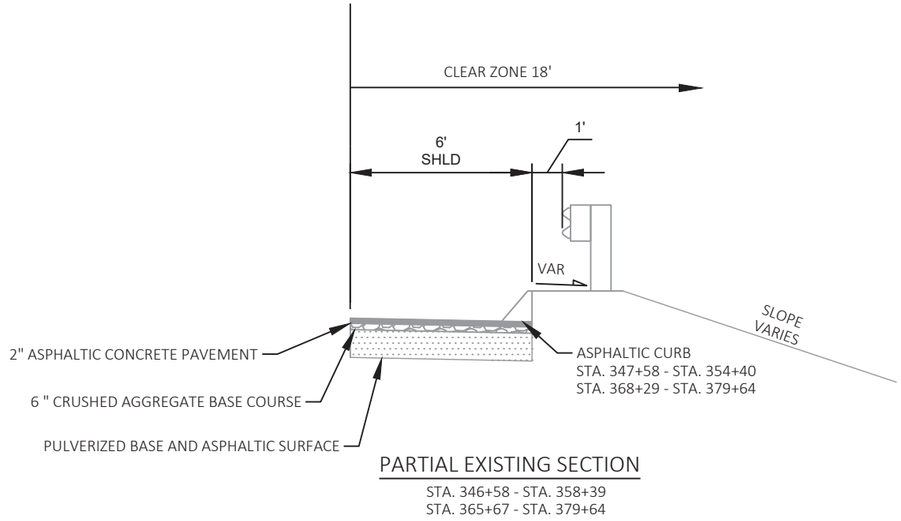
PARTIAL EXISTING SECTION

STA. 357+92 - STA. 365+91



PARTIAL EXISTING SECTION

STA. 375+30 - STA. 388+44



PARTIAL EXISTING SECTION

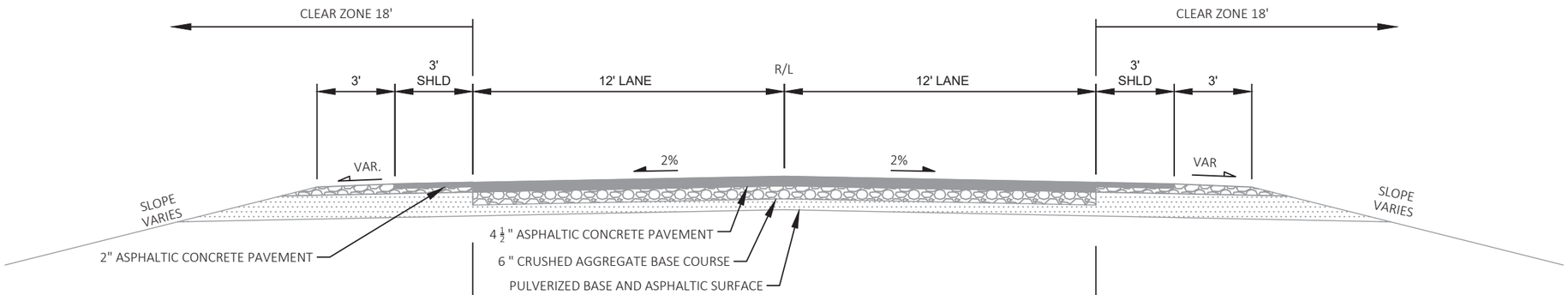
STA. 346+58 - STA. 358+39
STA. 365+67 - STA. 379+64

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET	E

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LAYOUT NAME - 05

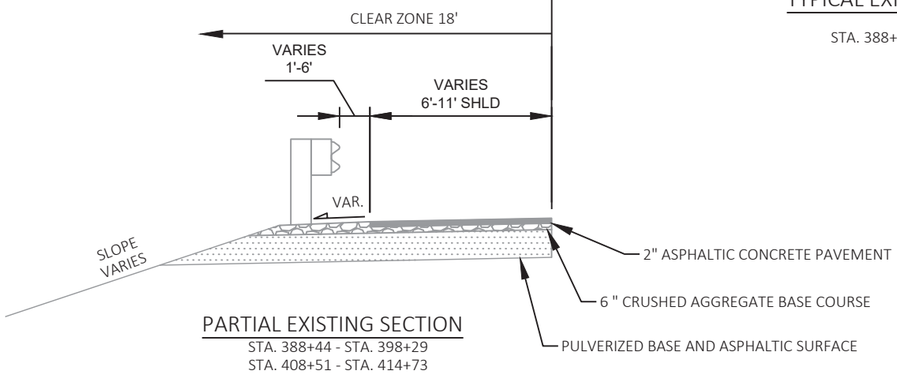
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2



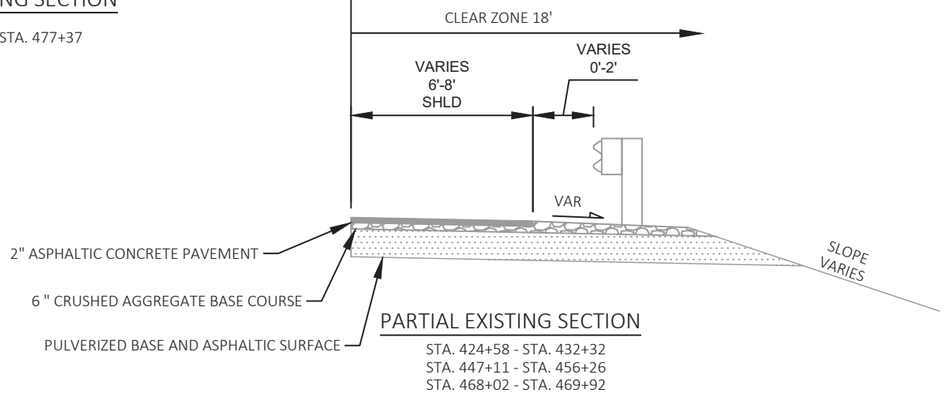
TYPICAL EXISTING SECTION

STA. 388+44 - STA. 477+37



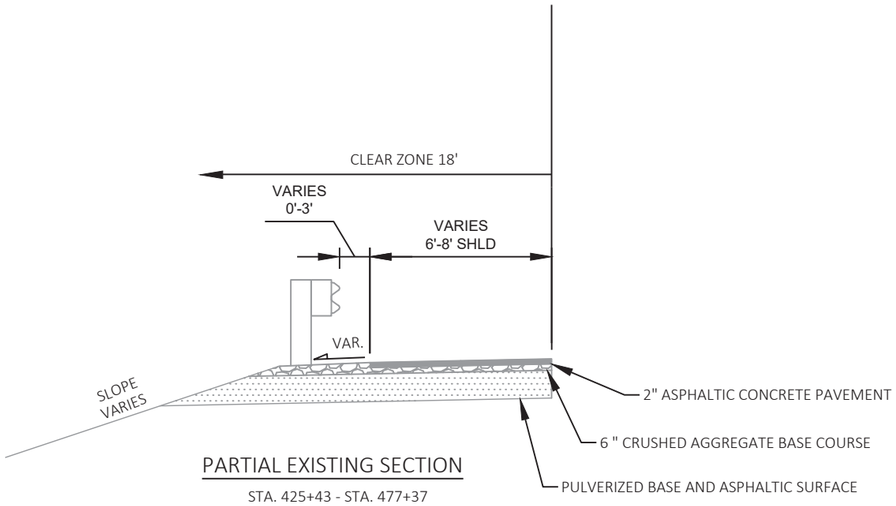
PARTIAL EXISTING SECTION

STA. 388+44 - STA. 398+29
STA. 408+51 - STA. 414+73



PARTIAL EXISTING SECTION

STA. 424+58 - STA. 432+32
STA. 447+11 - STA. 456+26
STA. 468+02 - STA. 469+92

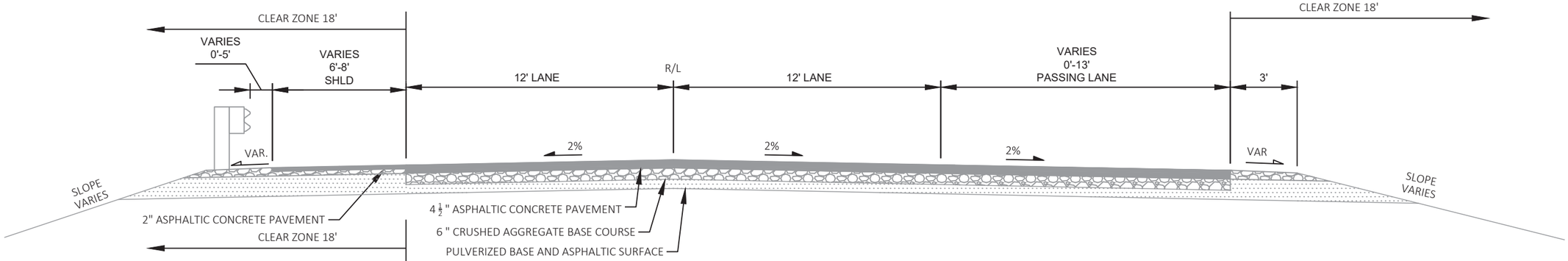


PARTIAL EXISTING SECTION

STA. 425+43 - STA. 477+37

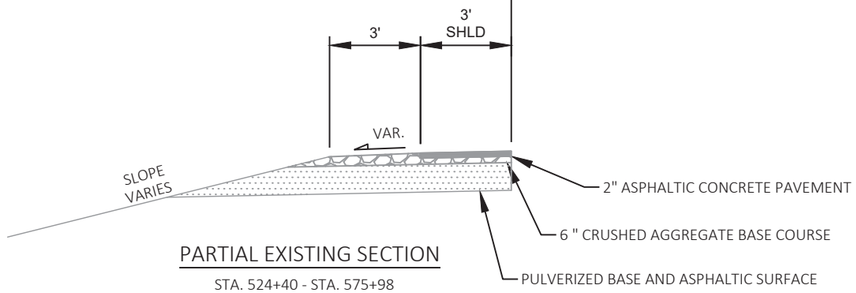
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 06
PLOT DATE : 7/2/2019 10:40 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : #########
WISDOT/CADDS SHEET 42



TYPICAL EXISTING SECTION

STA. 477+37 - STA. 575+98



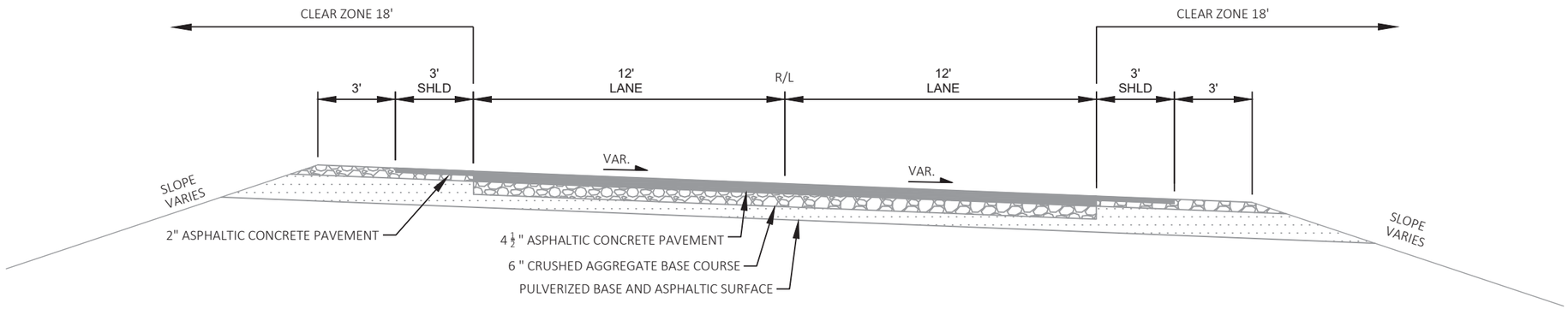
PARTIAL EXISTING SECTION

STA. 524+40 - STA. 575+98

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET	E

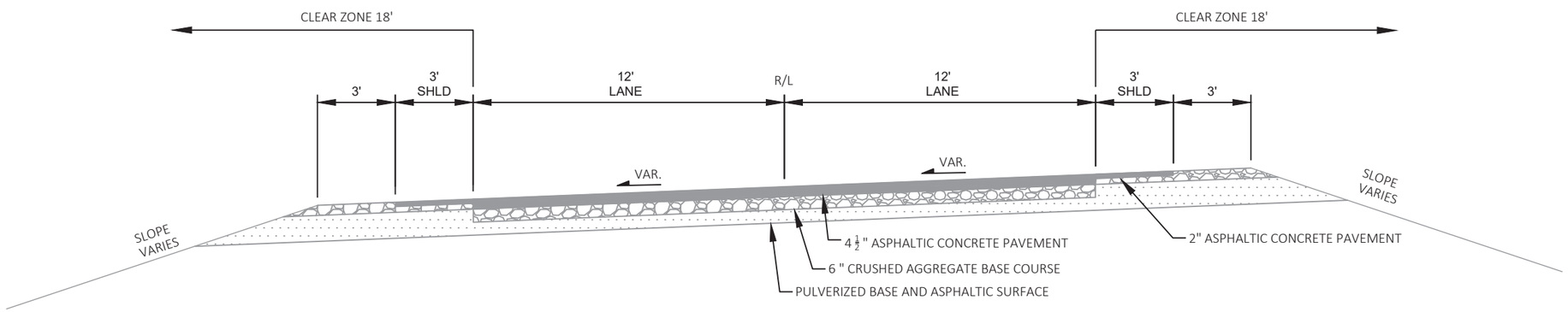
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PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



TYPICAL EXISTING SECTION

SUPERELEVATED



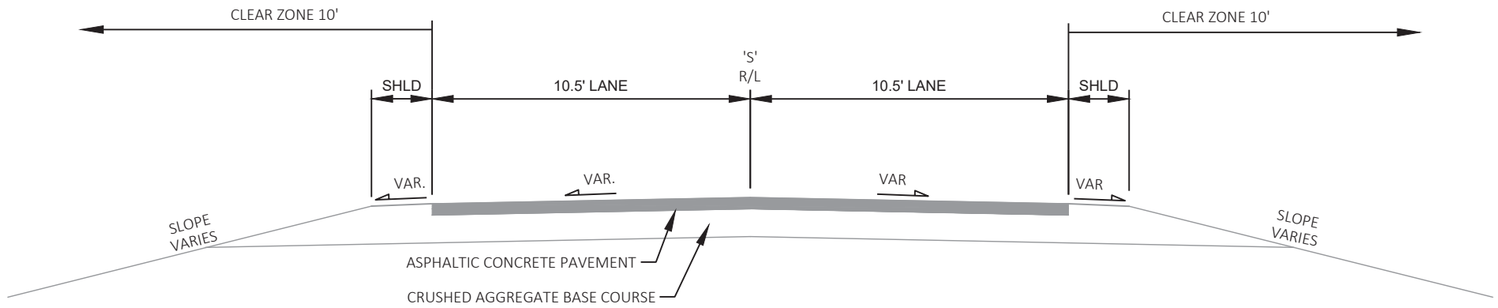
TYPICAL EXISTING SECTION

SUPERELEVATED

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET	E

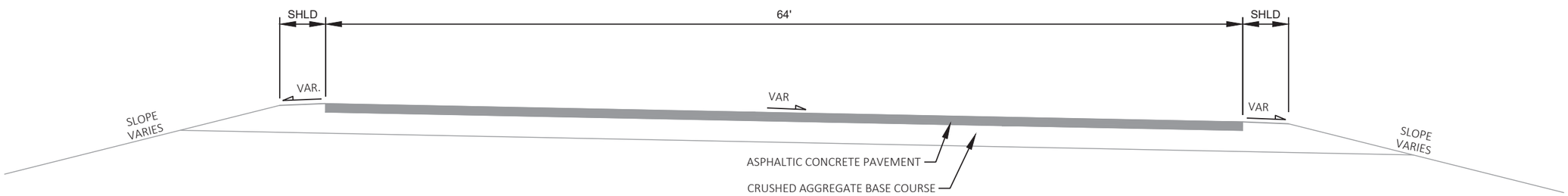
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PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



TYPICAL EXISTING SECTION - 190TH STREET

STA. 0+20'S' - STA. 3+06'S'



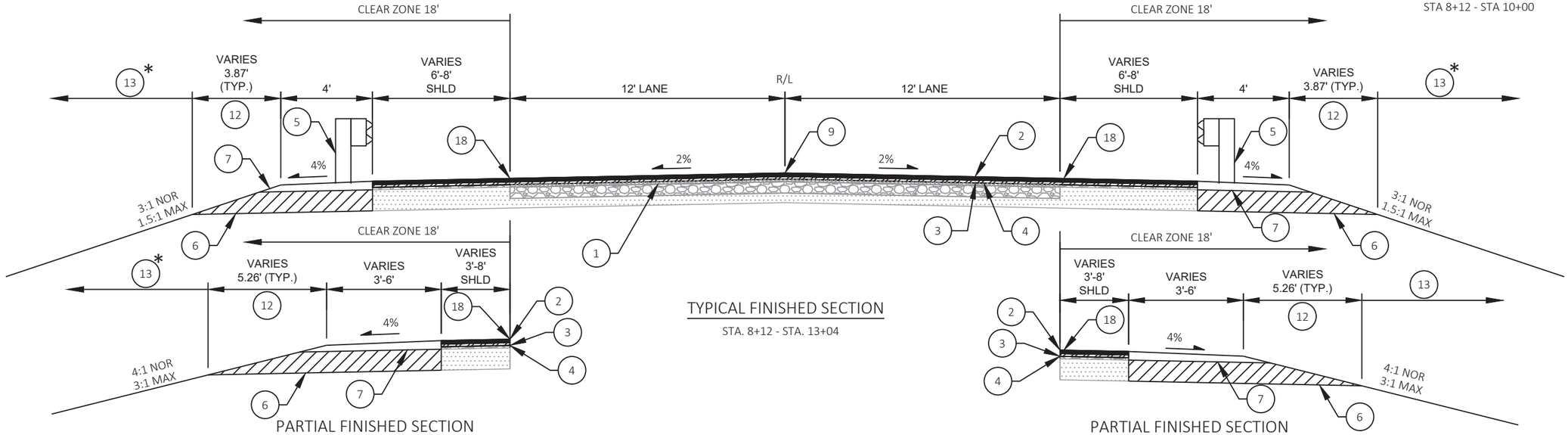
TYPICAL EXISTING SECTION - PARK & RIDE

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 08A
PLOT DATE : 7/2/2019 10:40 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

* USE EROSION MAT URBAN CLASS I TYPE B
STA 8+12 - STA 10+00



TYPICAL FINISHED SECTION

STA. 8+12 - STA. 13+04

PARTIAL FINISHED SECTION

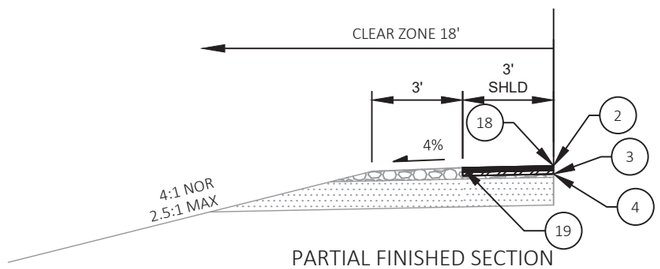
STA. 8+12 - STA. 10+46

PARTIAL FINISHED SECTION

STA. 11+58 - STA. 13+04

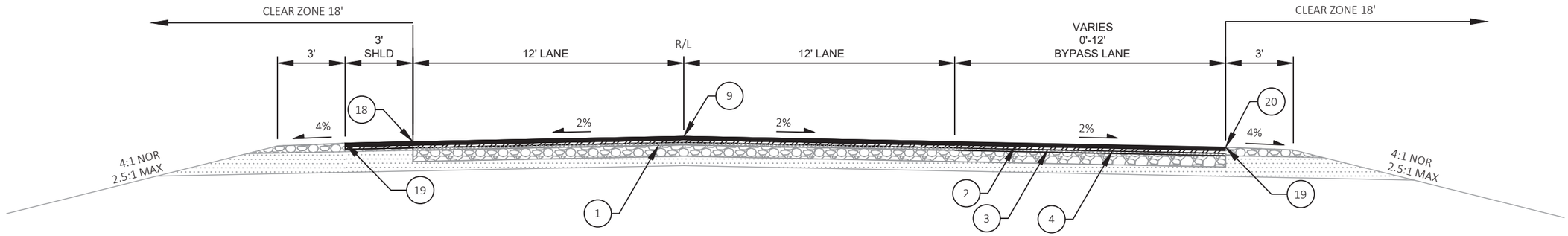
LEGEND

1	EXISTING ASPHALTIC CONCRETE PAVEMENT	7	BASE AGGREGATE DENSE 3/4-INCH
2	1.75" HMA PAVEMENT 4 MT 58-34V SURFACE	9	ASPHALTIC CENTERLINE RUMBLE STRIP 2-LANE RURAL
3	1.5" HMA PAVEMENT 4 MT 58-34V LEVELING LAYER	12	SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE A
4	3.25" REMOVING ASPHALTIC SURFACE MILLING	13	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, AND EROSION MAT CLASS I TYPE B
5	MGS GUARDRAIL 3	18	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 1
6	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH	19	SHAPING SHOULDERS
		20	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 2



PARTIAL FINISHED SECTION

STA. 10+46 - STA. 13+04



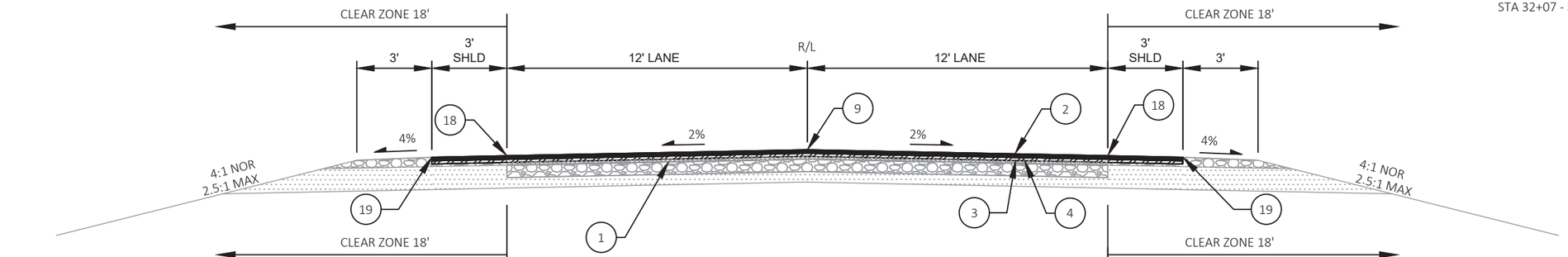
TYPICAL FINISHED SECTION

STA. 13+04 - STA. 18+91

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET	E

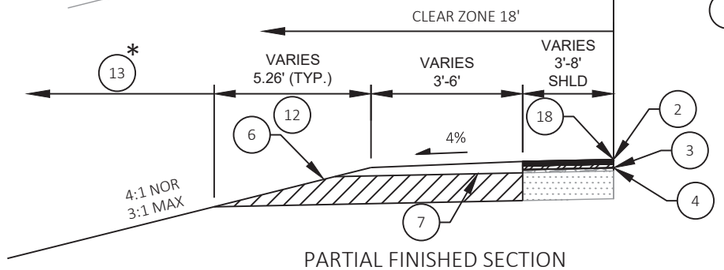
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LAYOUT NAME - 09
PLOT DATE : 7/2/2019 10:40 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

*USE EROSION MAT URBAN CLASS I TYPE B
STA 32+07 - STA 37+96



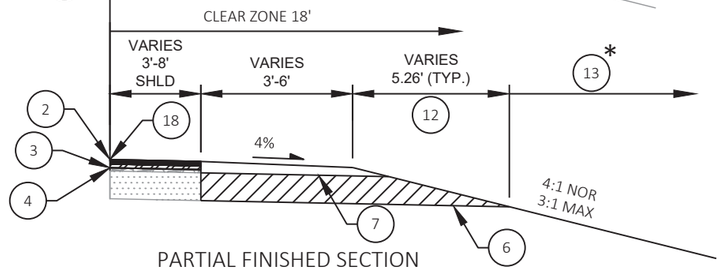
TYPICAL FINISHED SECTION

STA. 18+91 - STA. 42+74



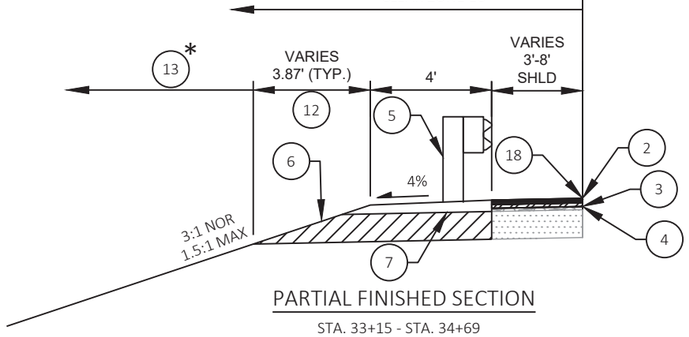
PARTIAL FINISHED SECTION

STA. 32+07 - STA. 33+15
STA. 36+87 - STA. 37+96



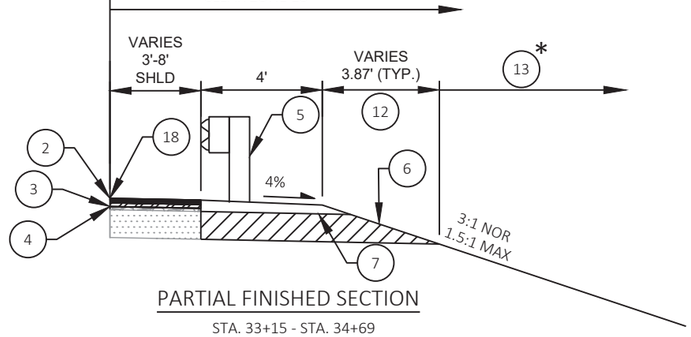
PARTIAL FINISHED SECTION

STA. 32+12 - STA. 33+15
STA. 36+87 - STA. 37+41



PARTIAL FINISHED SECTION

STA. 33+15 - STA. 34+69
STA. 35+32 - STA. 36+87



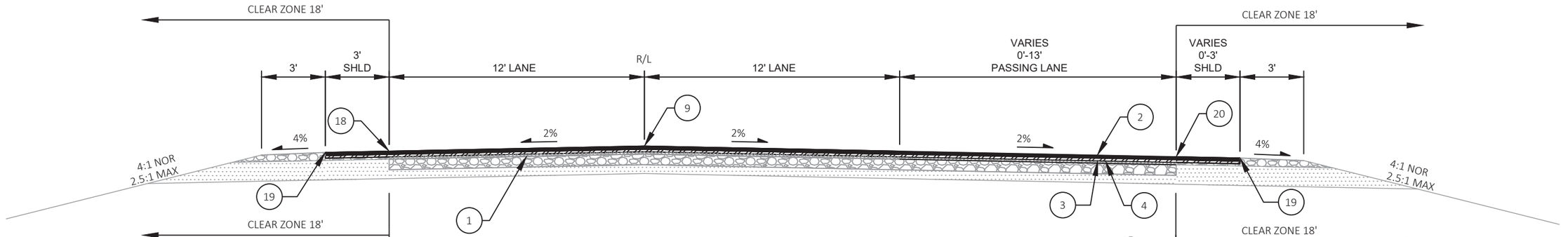
PARTIAL FINISHED SECTION

STA. 33+15 - STA. 34+69
STA. 35+32 - STA. 36+87

LEGEND

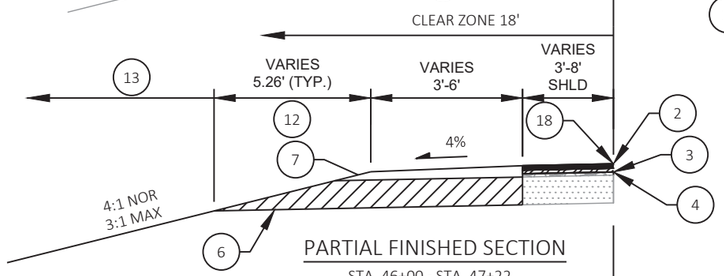
1	EXISTING ASPHALTIC CONCRETE PAVEMENT	7	BASE AGGREGATE DENSE 3/4-INCH
2	1.75" HMA PAVEMENT 4 MT 58-34V SURFACE	9	ASPHALTIC CENTERLINE RUMBLE STRIP 2-LANE RURAL
3	1.5" HMA PAVEMENT 4 MT 58-34V LEVELING LAYER	12	SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE A
4	3.25" REMOVING ASPHALTIC SURFACE MILLING	13	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, AND EROSION MAT CLASS I TYPE B
5	MGS GUARDRAIL 3	18	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 1
6	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH	19	SHAPING SHOULDERS

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET E



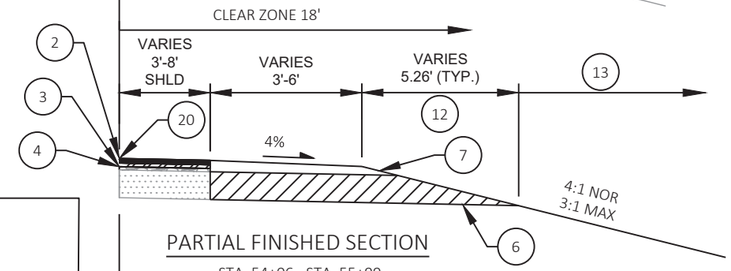
TYPICAL FINISHED SECTION

STA. 42+74 - STA. 122+85



PARTIAL FINISHED SECTION

STA. 46+00 - STA. 47+22
STA. 72+50 - STA. 73+70
STA. 76+02 - STA. 77+47
STA. 80+78 - STA. 82+25
STA. 90+23 - STA. 91+70

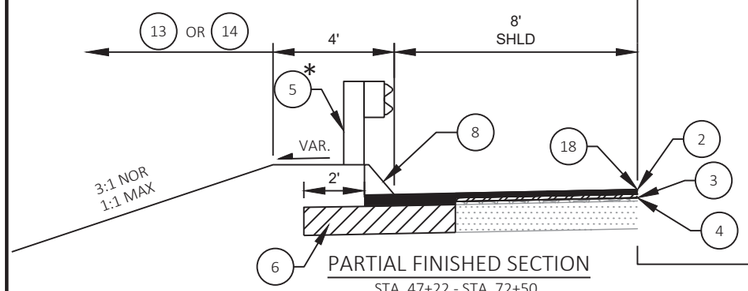


PARTIAL FINISHED SECTION

STA. 54+06 - STA. 55+99
STA. 57+94 - STA. 59+85
STA. 76+02 - STA. 77+71
STA. 80+78 - STA. 83+36

LEGEND

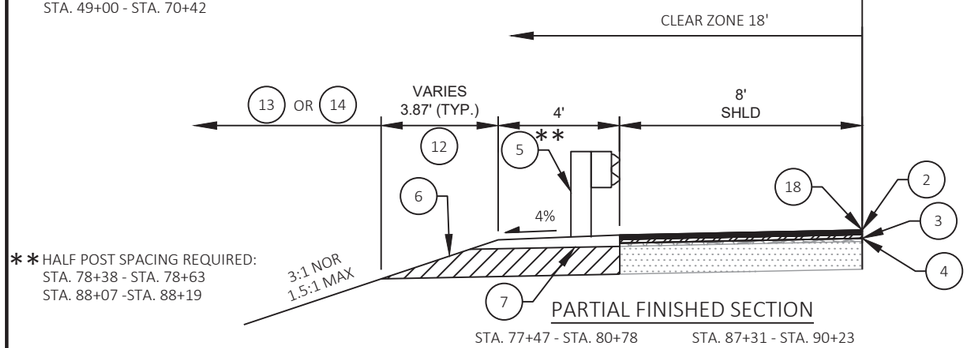
1	EXISTING ASPHALTIC CONCRETE PAVEMENT	8	ASPHALTIC CURB
2	1.75" HMA PAVEMENT 4 MT 58-34V SURFACE	9	ASPHALTIC CENTERLINE RUMBLE STRIP 2-LANE RURAL
3	1.5" HMA PAVEMENT 4 MT 58-34V LEVELING LAYER	12	SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE A
4	3.25" REMOVING ASPHALTIC SURFACE MILLING	13	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, AND EROSION MAT CLASS I TYPE B
5	MGS GUARDRAIL 3	14	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, SOIL STABILIZER TYPE A, AND EROSION MAT CLASS III TYPE D
6	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH	18	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 1
7	BASE AGGREGATE DENSE 3/4-INCH	19	SHAPING SHOULDERS
		20	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 2



PARTIAL FINISHED SECTION

STA. 47+22 - STA. 72+50

* HALF POST SPACING REQUIRED:
STA. 49+00 - STA. 70+42

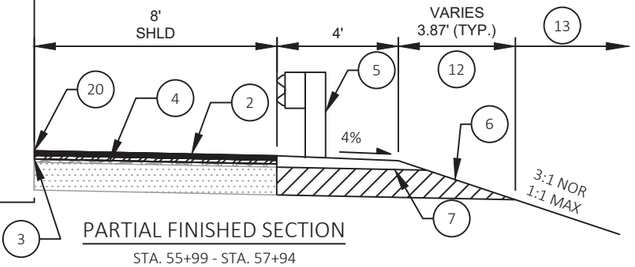


PARTIAL FINISHED SECTION

STA. 77+47 - STA. 80+78
STA. 87+31 - STA. 90+23

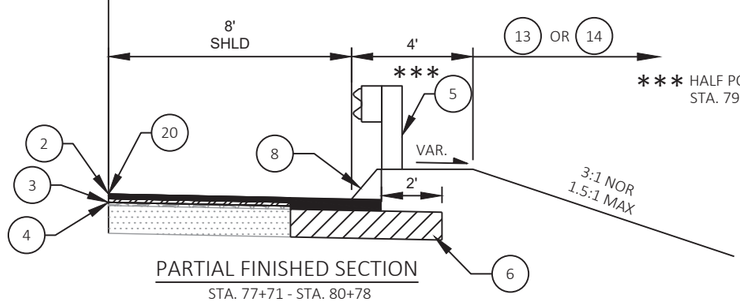
** HALF POST SPACING REQUIRED:
STA. 78+38 - STA. 78+63
STA. 88+07 -STA. 88+19

14 USED WHERE HALF POST SPACING IS REQUIRED



PARTIAL FINISHED SECTION

STA. 55+99 - STA. 57+94



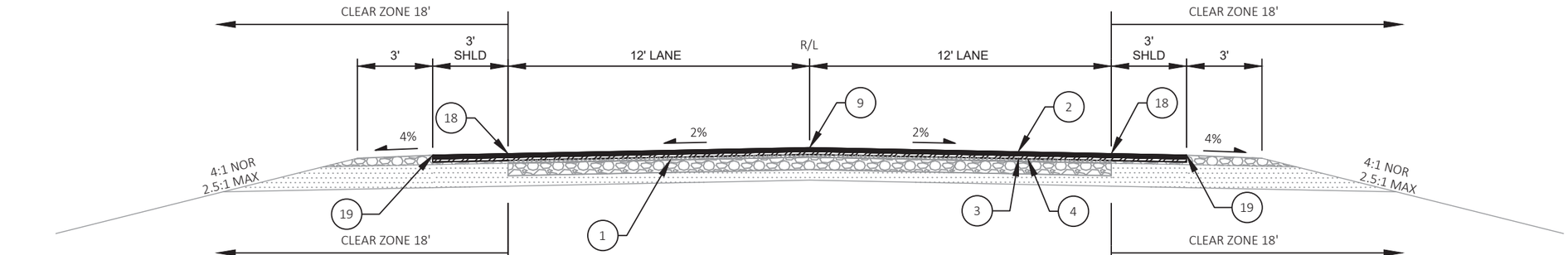
PARTIAL FINISHED SECTION

STA. 77+71 - STA. 80+78

*** HALF POST SPACING REQUIRED:
STA. 79+00 - STA. 79+50

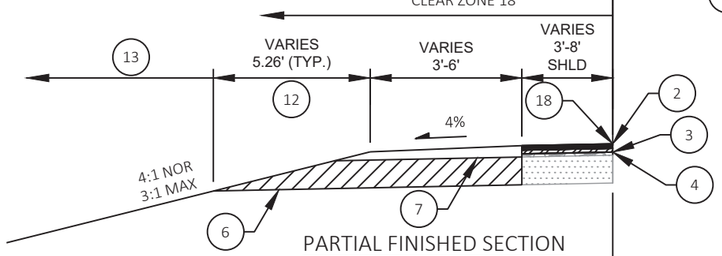
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 11
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PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



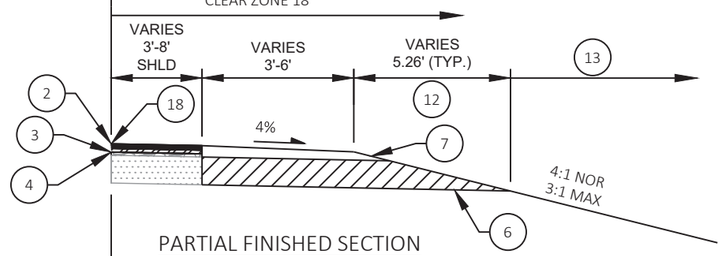
TYPICAL FINISHED SECTION

STA. 122+85 - STA. 296+03



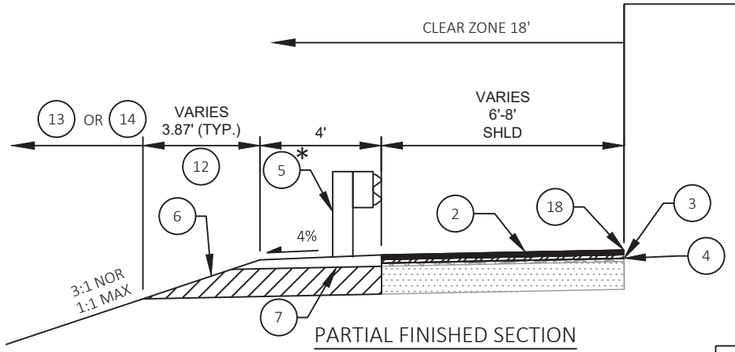
PARTIAL FINISHED SECTION

STA. 182+01 - STA. 183+47
STA. 191+88 - STA. 193+35
STA. 285+44 - STA. 286+90



PARTIAL FINISHED SECTION

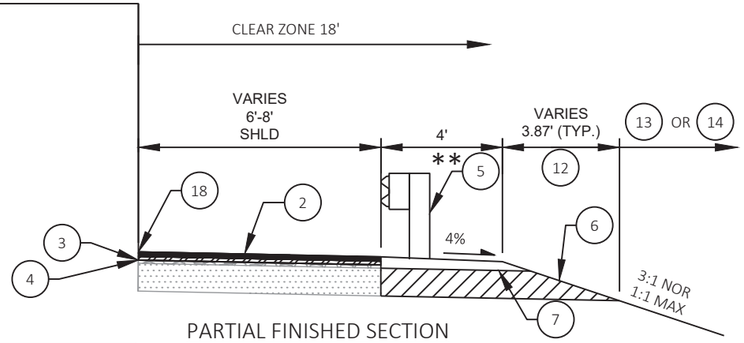
STA. 181+81 - STA. 183+27
STA. 189+77 - STA. 191+23
STA. 284+88 - STA. 286+34
STA. 294+53 - STA. 296+03



PARTIAL FINISHED SECTION

STA. 183+47 - STA. 191+88
STA. 286+90 - STA. 291+78

*HALF POST SPACING REQUIRED:
STA. 187+15 - STA. 188+50
STA. 289+00 - STA. 291+00



PARTIAL FINISHED SECTION

STA. 183+27 - STA. 189+77
STA. 286+34 - STA. 294+53

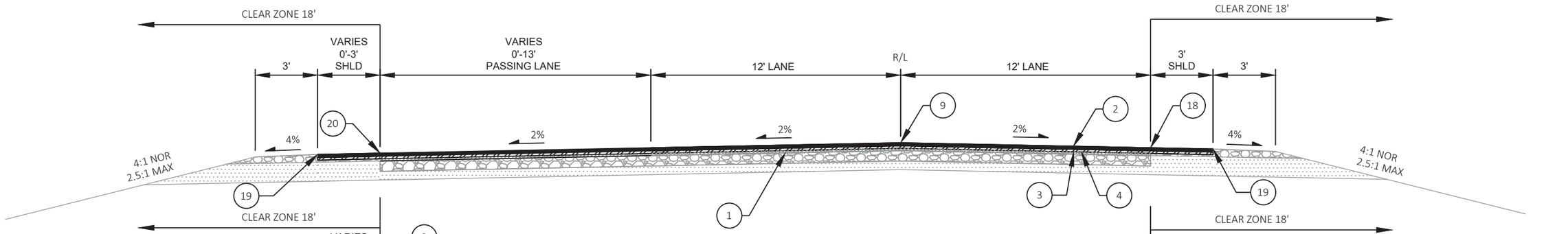
**HALF POST SPACING REQUIRED:
STA. 187+15 - STA. 187+65
STA. 290+00 -STA. 292+00

14 USED WHERE HALF POST SPACING IS REQUIRED

LEGEND

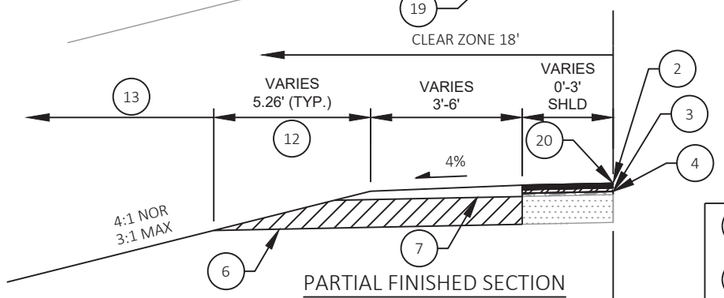
1	EXISTING ASPHALTIC CONCRETE PAVEMENT	7	BASE AGGREGATE DENSE 3/4-INCH
2	1.75" HMA PAVEMENT 4 MT 58-34V SURFACE	9	ASPHALTIC CENTERLINE RUMBLE STRIP 2-LANE RURAL
3	1.5" HMA PAVEMENT 4 MT 58-34V LEVELING LAYER	12	SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE A
4	3.25" REMOVING ASPHALTIC SURFACE MILLING	13	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, AND EROSION MAT CLASS I TYPE B
5	MGS GUARDRAIL 3	14	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, SOIL STABILIZER TYPE A, AND EROSION MAT CLASS III TYPE D
6	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH	18	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 1
		19	SHAPING SHOULDERS

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET E



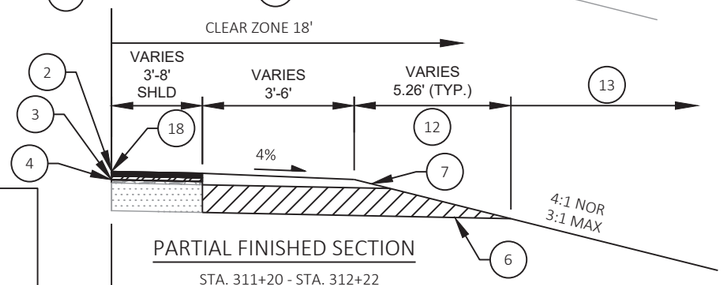
TYPICAL FINISHED SECTION

STA. 296+03 - STA. 391+78



PARTIAL FINISHED SECTION

STA. 312+31 - STA. 313+47
STA. 318+78 - STA. 319+95



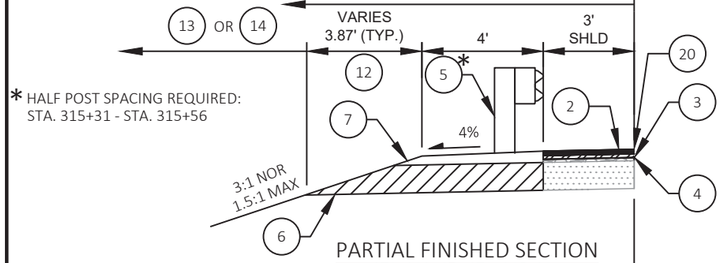
PARTIAL FINISHED SECTION

STA. 311+20 - STA. 312+22
STA. 317+53 - STA. 318+57
STA. 344+30 - STA. 345+51
STA. 359+27 - STA. 360+46
STA. 363+40 - STA. 364+59
STA. 380+80 - STA. 382+03

LEGEND

1	EXISTING ASPHALTIC CONCRETE PAVEMENT	9	ASPHALTIC CENTERLINE RUMBLE STRIP 2-LANE RURAL
2	1.75" HMA PAVEMENT 4 MT 58-34V SURFACE	11	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
3	1.5" HMA PAVEMENT 4 MT 58-34V LEVELING LAYER	12	SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE A
4	3.25" REMOVING ASPHALTIC SURFACE MILLING	13	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, AND EROSION MAT CLASS I TYPE B
5	MGS GUARDRAIL 3	14	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, SOIL STABILIZER TYPE A, AND EROSION MAT CLASS III TYPE D
6	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH	18	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 1
7	BASE AGGREGATE DENSE 3/4-INCH	19	SHAPING SHOULDERS
8	ASPHALTIC CURB	20	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 2

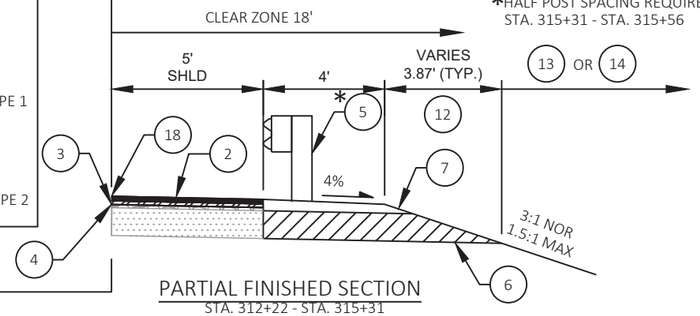
14 USED WHERE HALF POST SPACING IS REQUIRED



* HALF POST SPACING REQUIRED:
STA. 315+31 - STA. 315+56

PARTIAL FINISHED SECTION

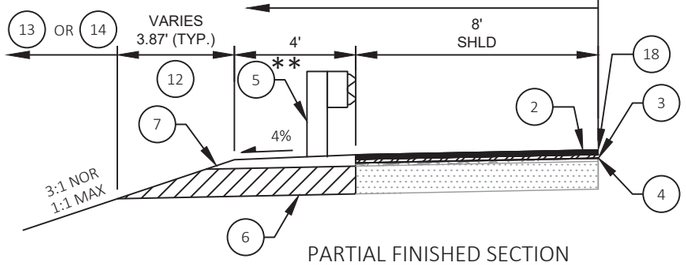
STA. 313+47 - STA. 315+31
STA. 315+57 - STA. 318+78



* HALF POST SPACING REQUIRED:
STA. 315+31 - STA. 315+56

PARTIAL FINISHED SECTION

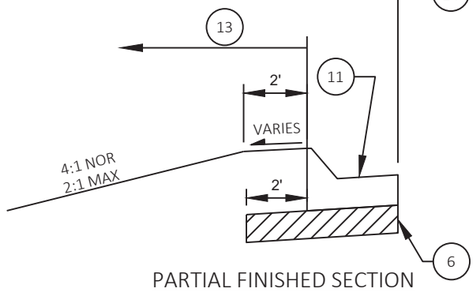
STA. 312+22 - STA. 315+31
STA. 315+57 - STA. 317+53



PARTIAL FINISHED SECTION

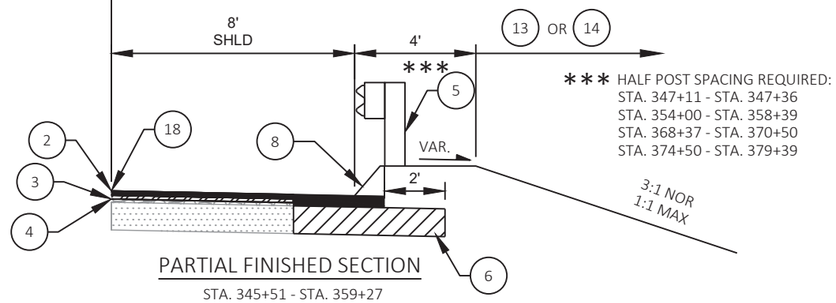
STA. 375+30 - STA. 391+78

** HALF POST SPACING REQUIRED:
STA. 375+36 - STA. 389+00



PARTIAL FINISHED SECTION

STA. 357+92 - STA. 365+91



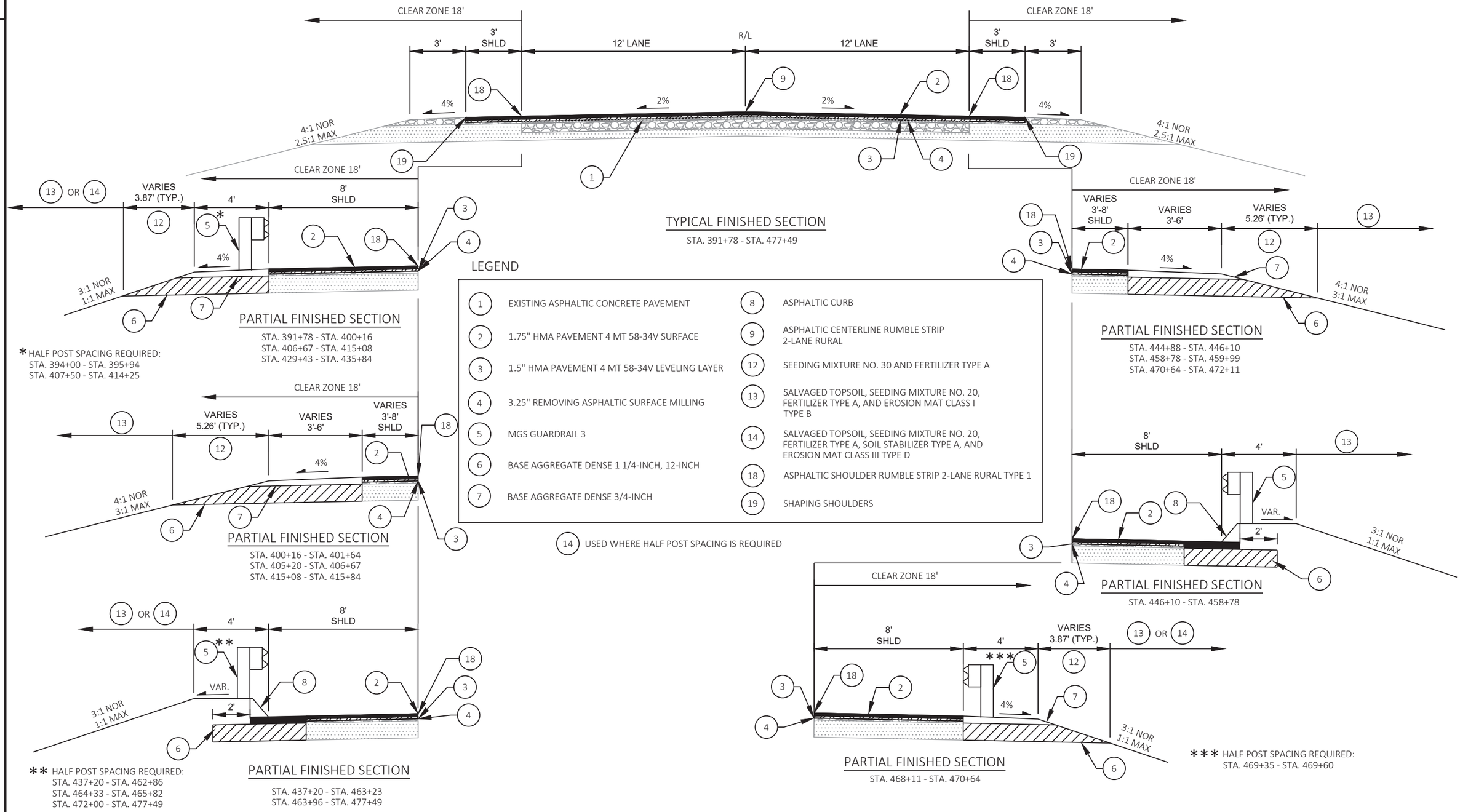
*** HALF POST SPACING REQUIRED:
STA. 347+11 - STA. 347+36
STA. 354+00 - STA. 358+39
STA. 368+37 - STA. 370+50
STA. 374+50 - STA. 379+39

PARTIAL FINISHED SECTION

STA. 345+51 - STA. 359+27
STA. 364+59 - STA. 380+80

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 13
PLOT DATE : 7/2/2019 10:40 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION

STA. 391+78 - STA. 477+49

PARTIAL FINISHED SECTION

STA. 391+78 - STA. 400+16
STA. 406+67 - STA. 415+08
STA. 429+43 - STA. 435+84

* HALF POST SPACING REQUIRED:
STA. 394+00 - STA. 395+94
STA. 407+50 - STA. 414+25

PARTIAL FINISHED SECTION

STA. 400+16 - STA. 401+64
STA. 405+20 - STA. 406+67
STA. 415+08 - STA. 415+84

PARTIAL FINISHED SECTION

STA. 444+88 - STA. 446+10
STA. 458+78 - STA. 459+99
STA. 470+64 - STA. 472+11

PARTIAL FINISHED SECTION

STA. 446+10 - STA. 458+78

PARTIAL FINISHED SECTION

STA. 437+20 - STA. 463+23
STA. 463+96 - STA. 477+49

** HALF POST SPACING REQUIRED:
STA. 437+20 - STA. 462+86
STA. 464+33 - STA. 465+82
STA. 472+00 - STA. 477+49

PARTIAL FINISHED SECTION

STA. 468+11 - STA. 470+64

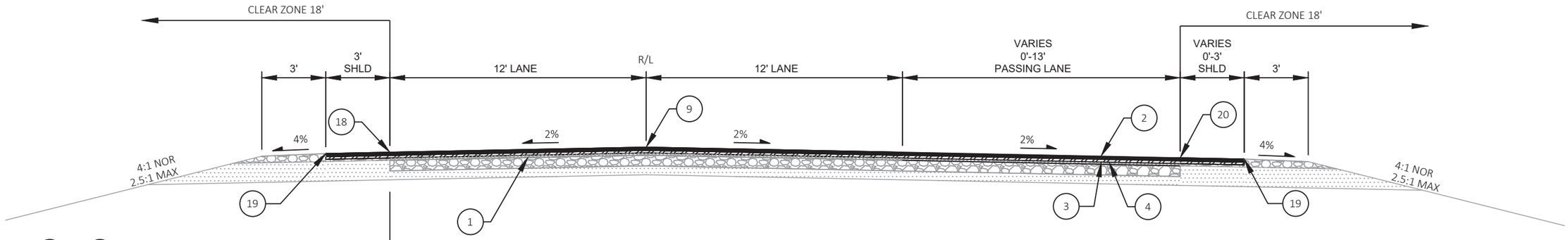
*** HALF POST SPACING REQUIRED:
STA. 469+35 - STA. 469+60

LEGEND

1	EXISTING ASPHALTIC CONCRETE PAVEMENT	8	ASPHALTIC CURB
2	1.75" HMA PAVEMENT 4 MT 58-34V SURFACE	9	ASPHALTIC CENTERLINE RUMBLE STRIP 2-LANE RURAL
3	1.5" HMA PAVEMENT 4 MT 58-34V LEVELING LAYER	12	SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE A
4	3.25" REMOVING ASPHALTIC SURFACE MILLING	13	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, AND EROSION MAT CLASS I TYPE B
5	MGS GUARDRAIL 3	14	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, SOIL STABILIZER TYPE A, AND EROSION MAT CLASS III TYPE D
6	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH	18	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 1
7	BASE AGGREGATE DENSE 3/4-INCH	19	SHAPING SHOULDERS

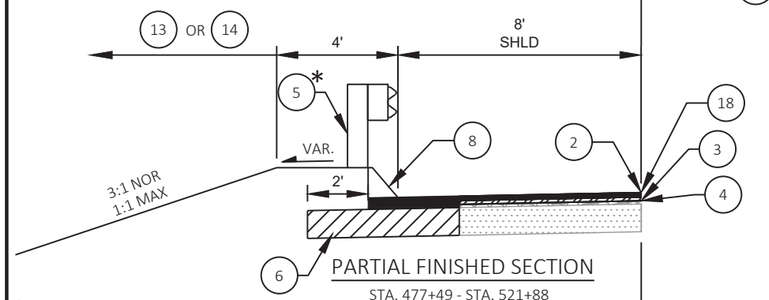
14 USED WHERE HALF POST SPACING IS REQUIRED

PROJECT NO:	HWY:	COUNTY:	PLAN:	SHEET
1530-05-72	USH 10	PIERCE	TYPICAL SECTIONS	E



TYPICAL FINISHED SECTION

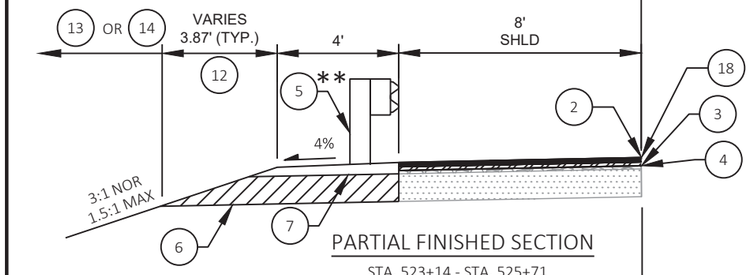
STA. 477+49 - STA. 575+98



PARTIAL FINISHED SECTION

STA. 477+49 - STA. 521+88

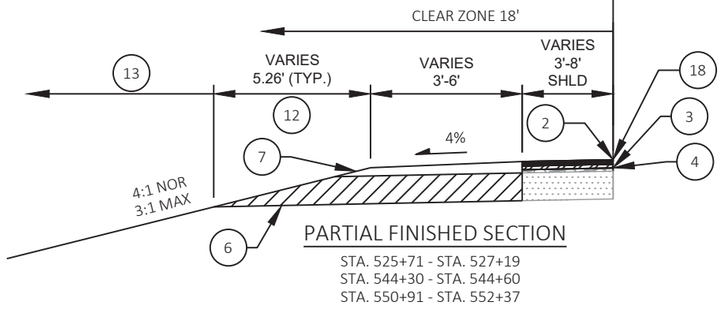
* HALF POST SPACING REQUIRED:
STA. 477+49 - STA. 504+29
STA. 507+50 - STA. 513+50



PARTIAL FINISHED SECTION

STA. 523+14 - STA. 525+71
STA. 544+60 - STA. 550+91

** HALF POST SPACING REQUIRED:
STA. 545+00 - STA. 547+50



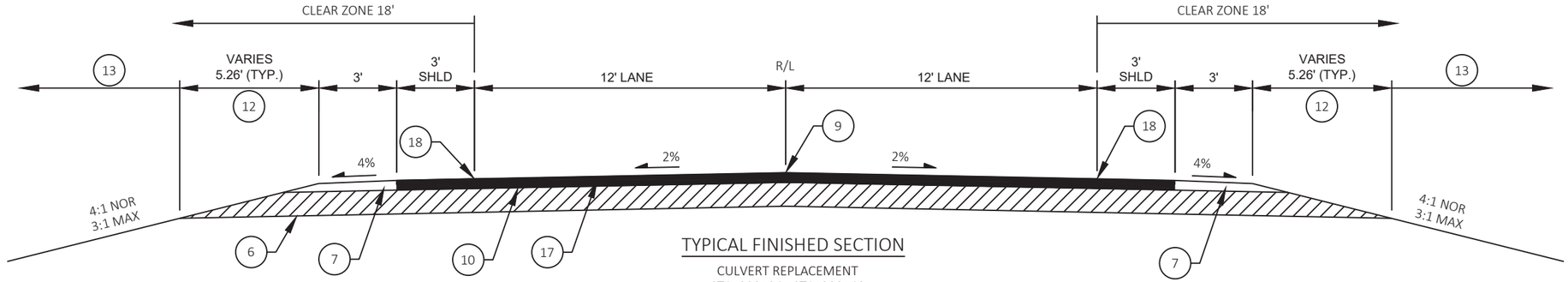
PARTIAL FINISHED SECTION

STA. 525+71 - STA. 527+19
STA. 544+30 - STA. 544+60
STA. 550+91 - STA. 552+37

LEGEND

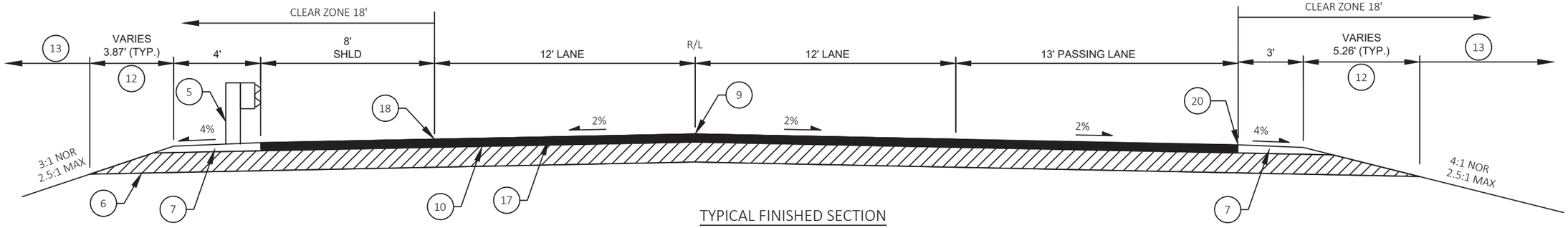
1	EXISTING ASPHALTIC CONCRETE PAVEMENT	7	BASE AGGREGATE DENSE 3/4-INCH
2	1.75" HMA PAVEMENT 4 MT 58-34V SURFACE	8	ASPHALTIC CURB
3	1.5" HMA PAVEMENT 4 MT 58-34V LEVELING LAYER	9	ASPHALTIC CENTERLINE RUMBLE STRIP 2-LANE RURAL
4	3.25" REMOVING ASPHALTIC SURFACE MILLING	12	SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE A
5	MGS GUARDRAIL 3	13	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, AND EROSION MAT CLASS I TYPE B
6	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH	14	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, SOIL STABILIZER TYPE A, AND EROSION MAT CLASS III TYPE D
		18	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 1
		19	SHAPING SHOULDERS
		20	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 2

14 USED WHERE HALF POST SPACING IS REQUIRED



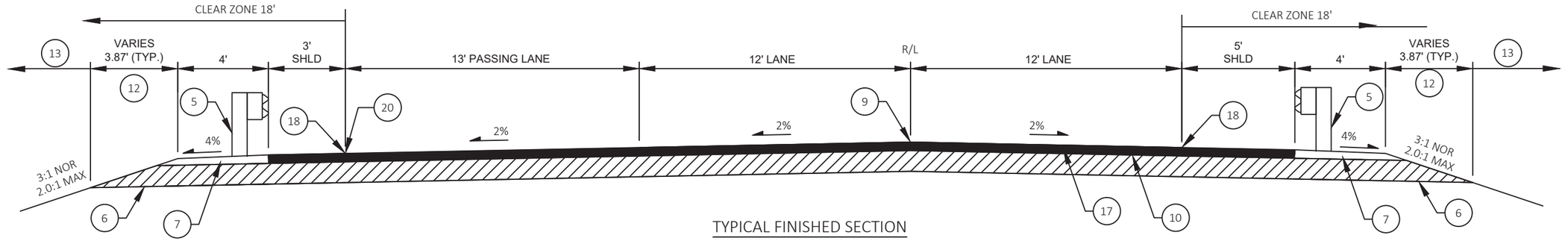
TYPICAL FINISHED SECTION

CULVERT REPLACEMENT
STA. 229+24 - STA. 229+40
STA. 251+21 - STA. 251+37



TYPICAL FINISHED SECTION

CULVERT REPLACEMENT
STA. 549+31 - STA. 549+47



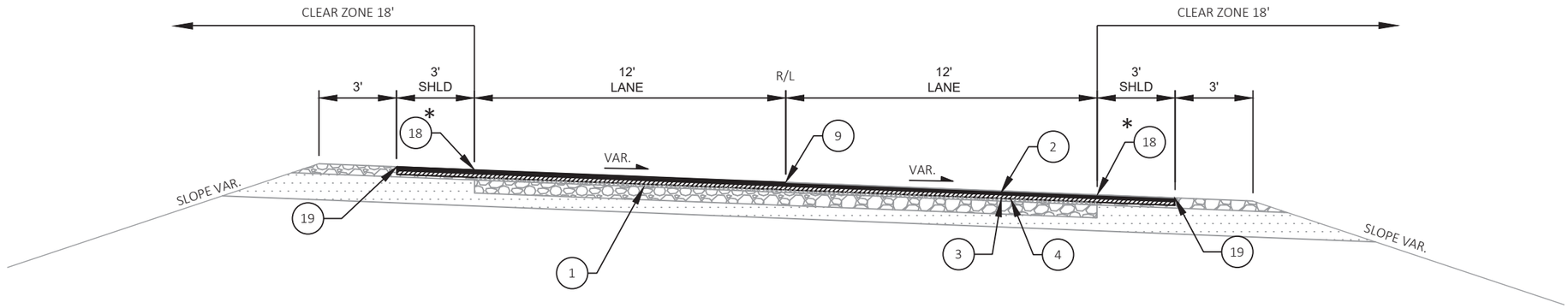
TYPICAL FINISHED SECTION

CULVERT REPLACEMENT
STA. 315+31- STA. 315+57

LEGEND

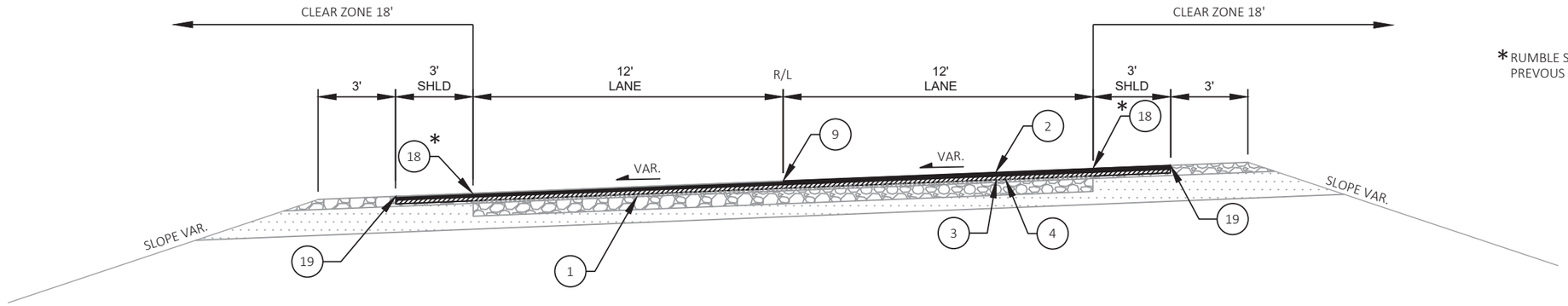
5	MGS GUARDRAIL 3	12	SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE A
6	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH	13	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, AND EROSION MAT CLASS I TYPE B
7	BASE AGGREGATE DENSE 3/4-INCH	17	2.25" HMA PAVEMENT 4 MT 58-34V SURFACE
9	ASPHALTIC CENTERLINE RUMBLE STRIP 2-LANE RURAL	18	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 1
10	3.75" HMA PAVEMENT 4 MT 58-34V LOWER LAYER	20	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 2

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

SUPERELEVATED



*RUMBLE STRIP TYPE DEPENDS ON STATION. SEE PREVOUS TYPICAL SECTIONS FOR INFORMATION

TYPICAL FINISHED SECTION

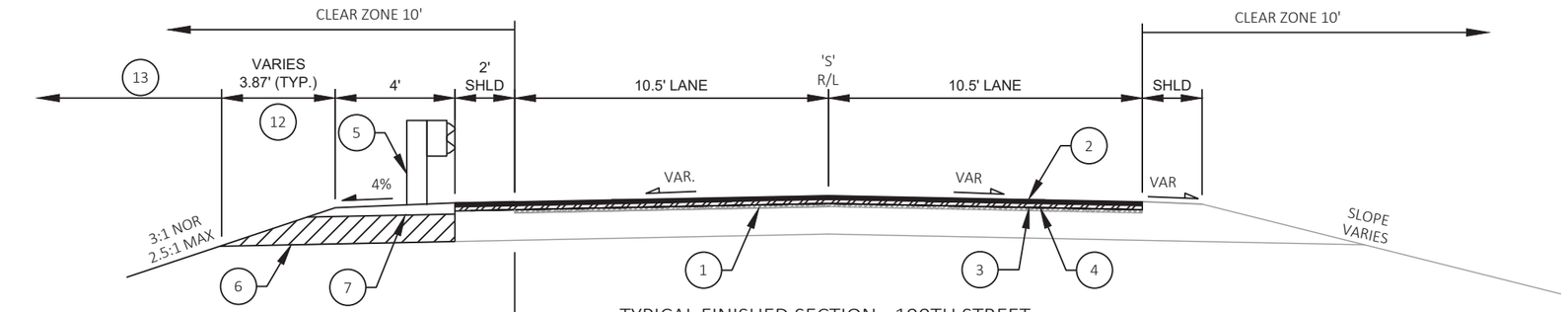
SUPERELEVATED

LEGEND

1	EXISTING ASPHALTIC CONCRETE PAVEMENT
2	1.75" HMA PAVEMENT 4 MT 58-34V SURFACE
3	1.5" HMA PAVEMENT 4 MT 58-34V LEVELING LAYER
4	3.25" REMOVING ASPHALTIC SURFACE MILLING
9	ASPHALTIC CENTERLINE RUMBLE STRIP 2-LANE RURAL
18	ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL
19	SHAPING SHOULDERS

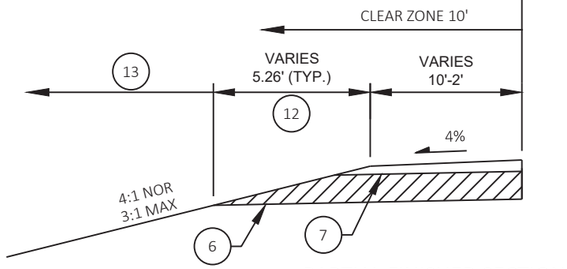
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 17
PLOT DATE : 7/2/2019 10:40 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION - 190TH STREET

STA. 0+20'S' - STA. 1+67'S'

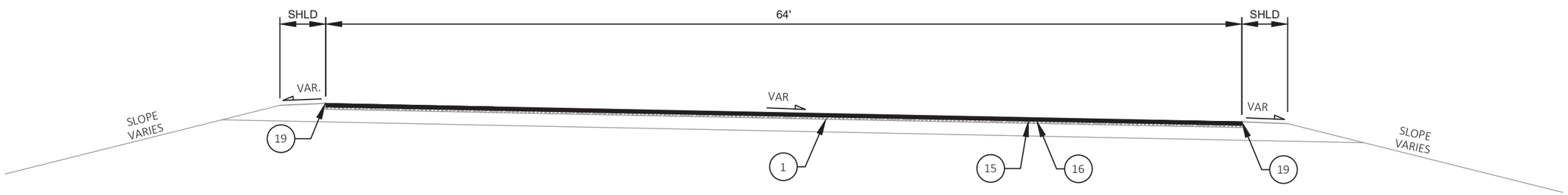


PARTIAL FINISHED SECTION

STA. 1+67 - STA. 3+06

LEGEND

1	EXISTING ASPHALTIC CONCRETE PAVEMENT	7	BASE AGGREGATE DENSE 3/4-INCH
2	1.75" HMA PAVEMENT 4 MT 58-34V SURFACE	12	SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE A
3	1.5" HMA PAVEMENT 4 MT 58-34V LEVELING LAYER	13	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A, AND EROSION MAT CLASS I TYPE B
4	3.25" REMOVING ASPHALTIC SURFACE MILLING	15	2" REMOVING ASPHALTIC SURFACE MILLING
5	MGS GUARDRAIL 3	16	2" HMA PAVEMENT 4 MT 58-34V SURFACE
6	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH	19	SHAPING SHOULDERS

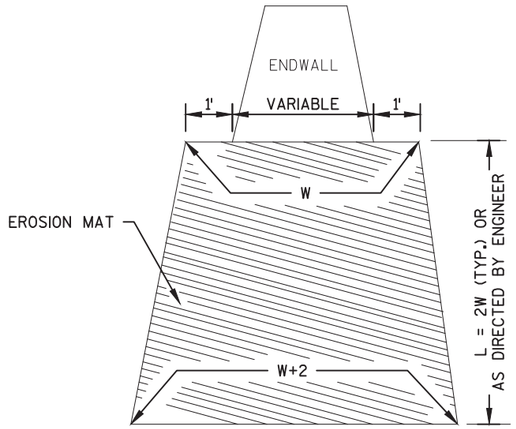


TYPICAL FINISHED SECTION - PARK & RIDE

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: TYPICAL SECTIONS	SHEET	E

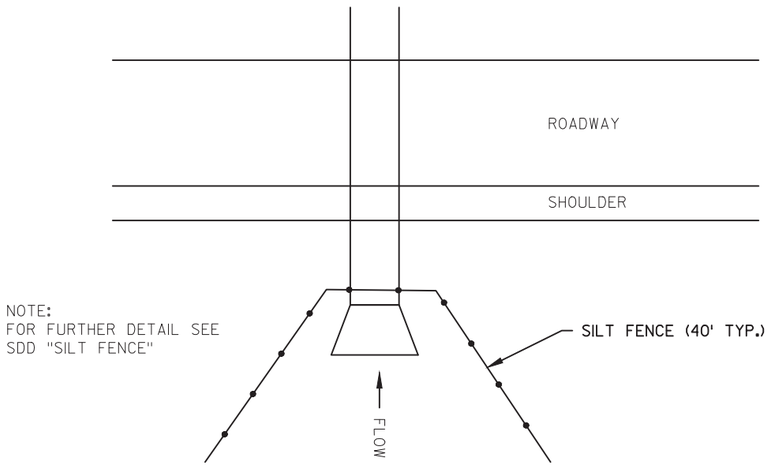
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LAYOUT NAME - 18

PLOT DATE : 7/2/2019 10:40 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : #########



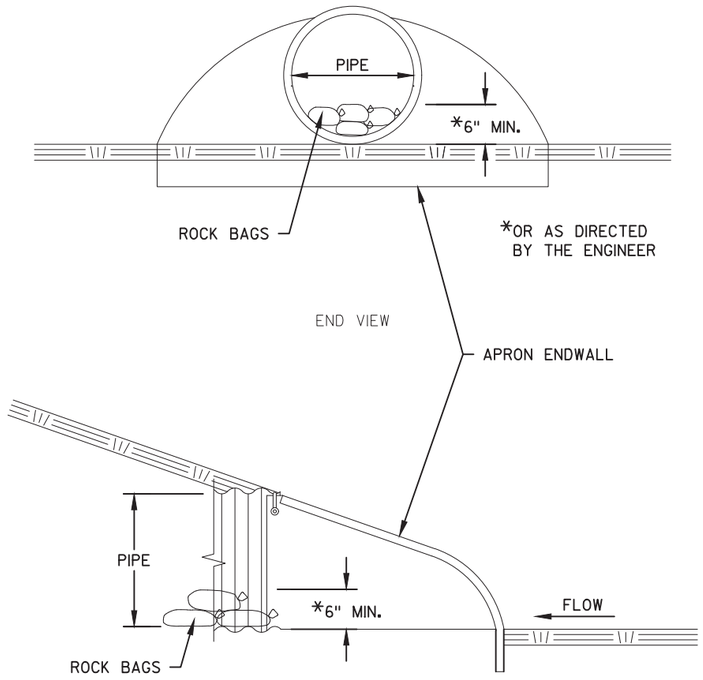
EROSION MAT TREATMENT AT ENDWALLS

(SEE MISCELLANEOUS QUANTITY SHEETS FOR LOCATIONS)



TYPICAL SILT FENCE DETAIL AT PIPE INLET

(SEE MISCELLANEOUS QUANTITY SHEETS FOR LOCATIONS)



APPROXIMATE NUMBER OF ROCK BAGS REQUIRED BY PIPE SIZE

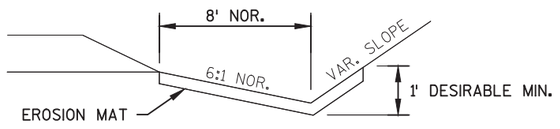
PIPE SIZE (IN)	ROCK BAGS (EACH)
12"	1
15"	1
18"	2
24"	3
30"	5
36"	7
42"	8
48"	10
19"x30"	5
4'x7'	18
5'x6'	24
6'x3'	12
6'x8'	24
7'x3'	15
7'x7'	30
9'x7'	36
16'x6'	66

BASED ON A BAG SIZE OF 18"x12"x6"

SIDE VIEW

CULVERT PIPE CHECKS

(SEE MISCELLANEOUS QUANTITY SHEETS FOR LOCATIONS)



EROSION MAT DETAIL FOR DITCHES

(SEE MISCELLANEOUS QUANTITY SHEETS FOR LOCATIONS)

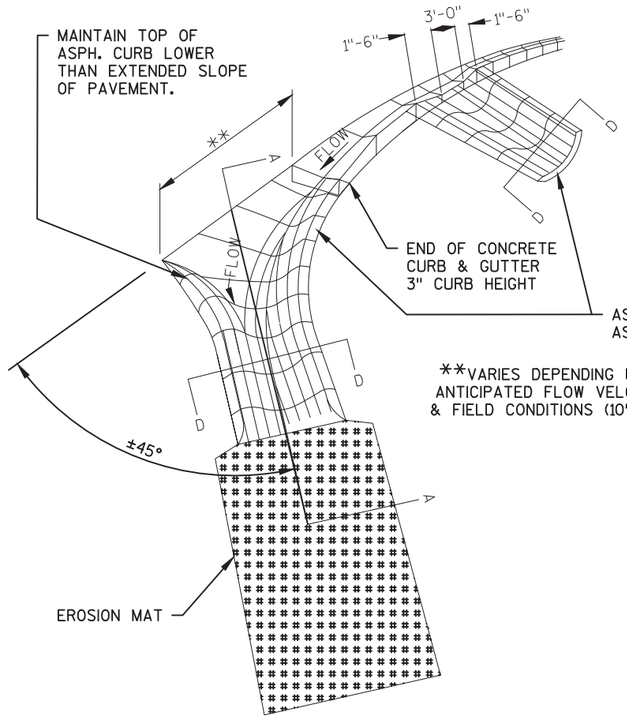
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: CONSTRUCTION DETAILS	SHEET	E

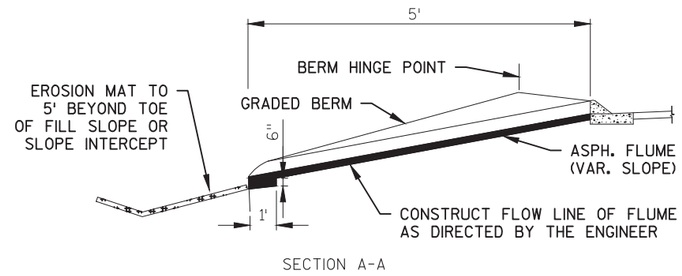
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021001_CD.DWG
LAYOUT NAME - 01
PLOT DATE : 4/23/2019 12:52 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

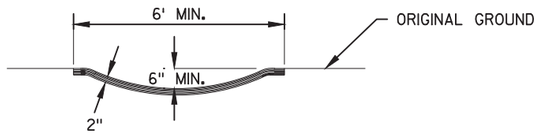
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .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 = 269.09 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 58.25 ACRES





SECTION A-A

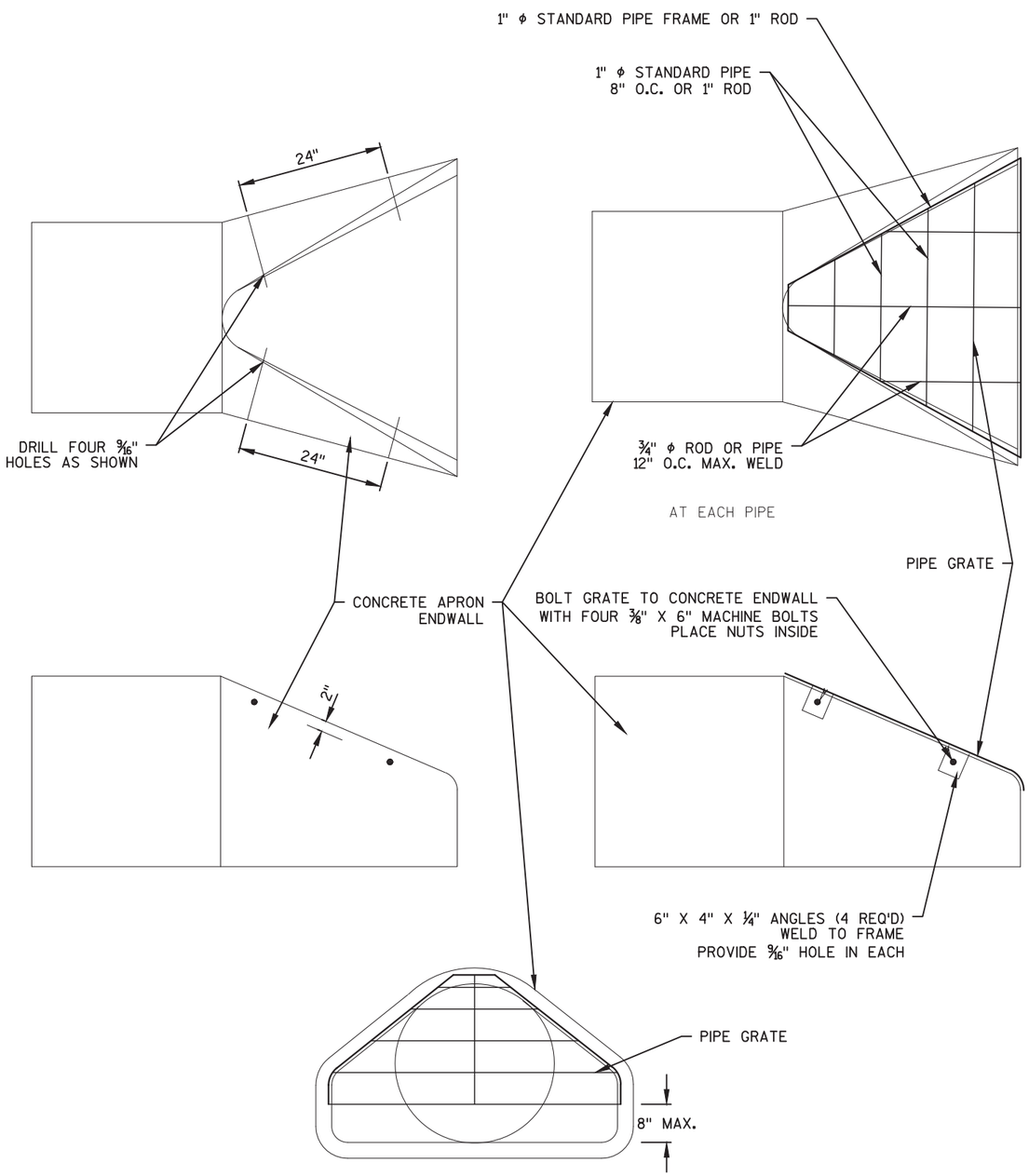


SECTION D-D

ASPHALTIC FLUME DETAIL

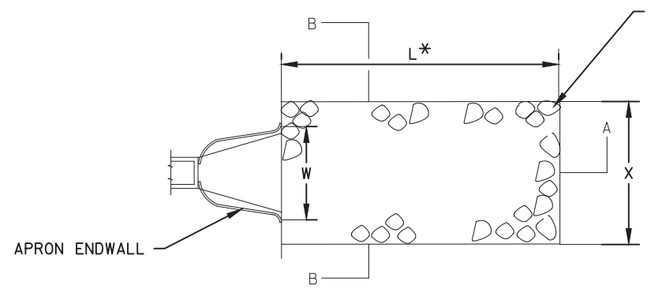
SEE MISCELLANEOUS QUANTITY SHEETS AND PLAN DETAIL SHEETS FOR LOCATIONS.

SEE SDD "CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES" FOR DETAILS NOT SHOWN.

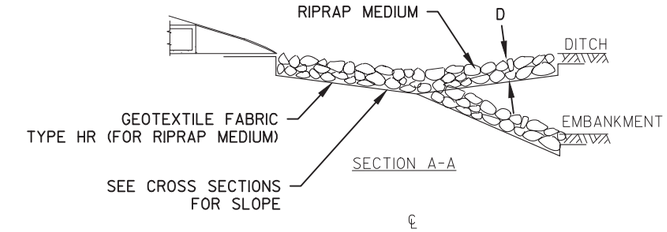


PIPE GRATE DETAIL

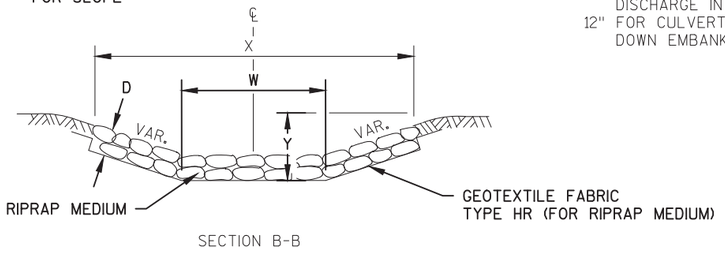
(SEE MISCELLANEOUS QUANTITY SHEETS FOR LOCATIONS)



PLAN VIEW



SECTION A-A



SECTION B-B

L^{*} = 3 x W (NOR.) OR 10' MIN. OR
AS INDICATED IN THE PLANS OR
AS DIRECTED BY THE ENGINEER.

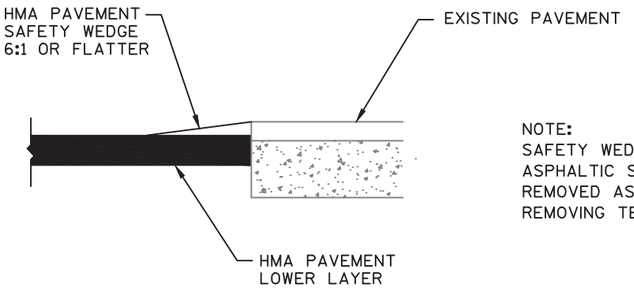
D = 18" FOR RIPRAP MEDIUM

X = W+2' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
W+5' FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

Y = 0' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
12" FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

RIPRAP MEDIUM AND GEOTEXTILE FABRIC DETAIL
AT APRON ENDWALLS

(SEE MISCELLANEOUS QUANTITY SHEETS FOR LOCATIONS)

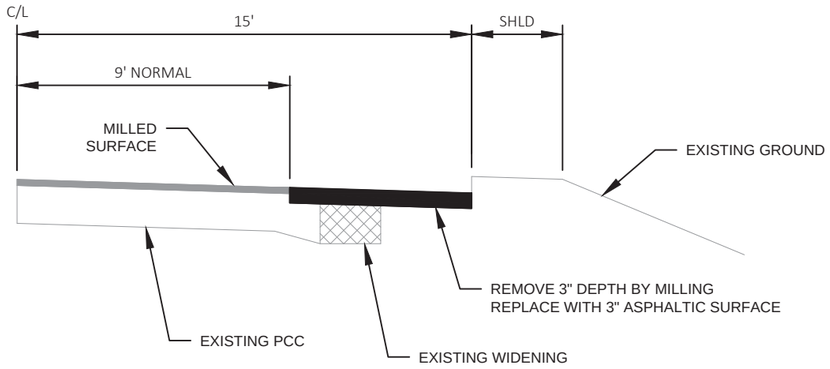


NOTE:
SAFETY WEDGE PAID FOR AS
ASPHALTIC SURFACE.
REMOVED AS "MILLING AND
REMOVING TEMPORARY JOINT."

HMA PAVEMENT SAFETY WEDGE

NOTE:
HMA PAVEMENT SAFETY WEDGE TO BE PLACED WHEN UNABLE TO PAVE BOTH THE LOWER AND UPPER LAYERS OF HMA PAVEMENT ON THE SAME DAY.

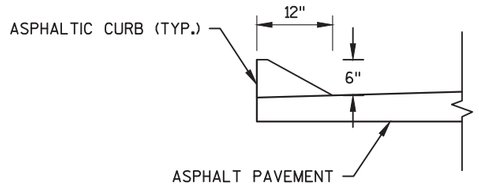
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN: CONSTRUCTION DETAILS	SHEET	E



NOTE: THESE MILLED AREAS MUST BE REPAVED ON THE SAME DAY AS REMOVED/MILLED.
THE ASPHALTIC SURFACE MAY BE PLACED IN ONE LAYER.

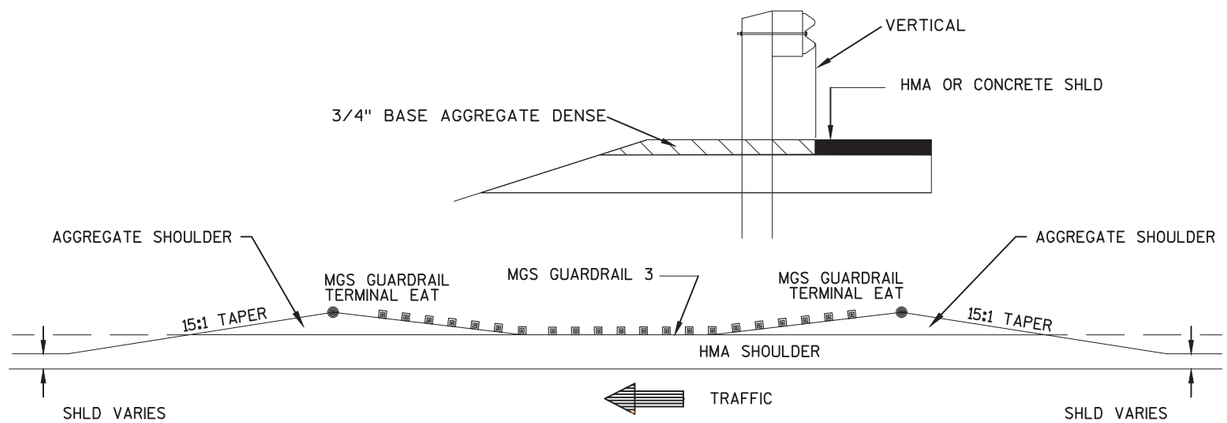
USH 10 HMA LANE REPAIR DETAIL

TO BE COMPLETED AFTER 3.25" MILLING
(SEE MISCELLANEOUS QUANTITY SHEETS FOR LOCATIONS)



ASPHALTIC CURB

(SEE PLAN DETAILS FOR LOCATIONS)

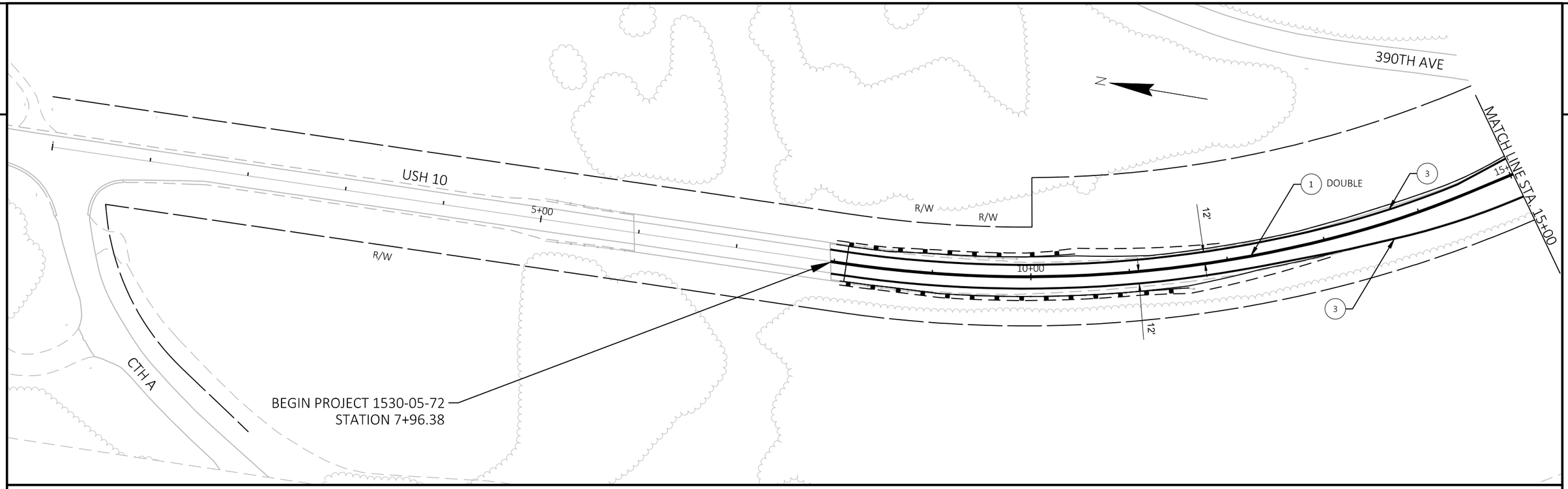


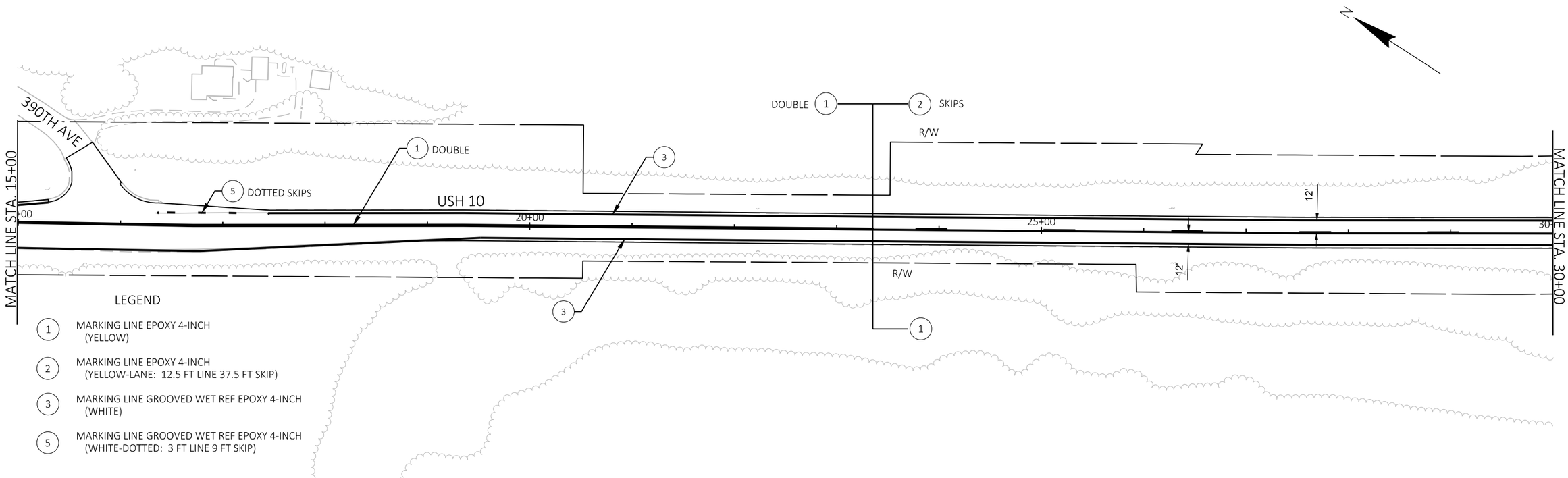
DETAIL FOR ASPHALTIC OR CONCRETE SHOULDER AT BEAM GUARD

(SEE PLAN DETAIL SHEETS FOR LOCATIONS)

SEE S.D.D. "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL",
"MIDWEST GUARDRAIL SYSTEM (MGS) ENERGY ABSORBING TERMINAL",
"MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION",
"MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL"
FOR DETAILS NOT SHOWN.

2



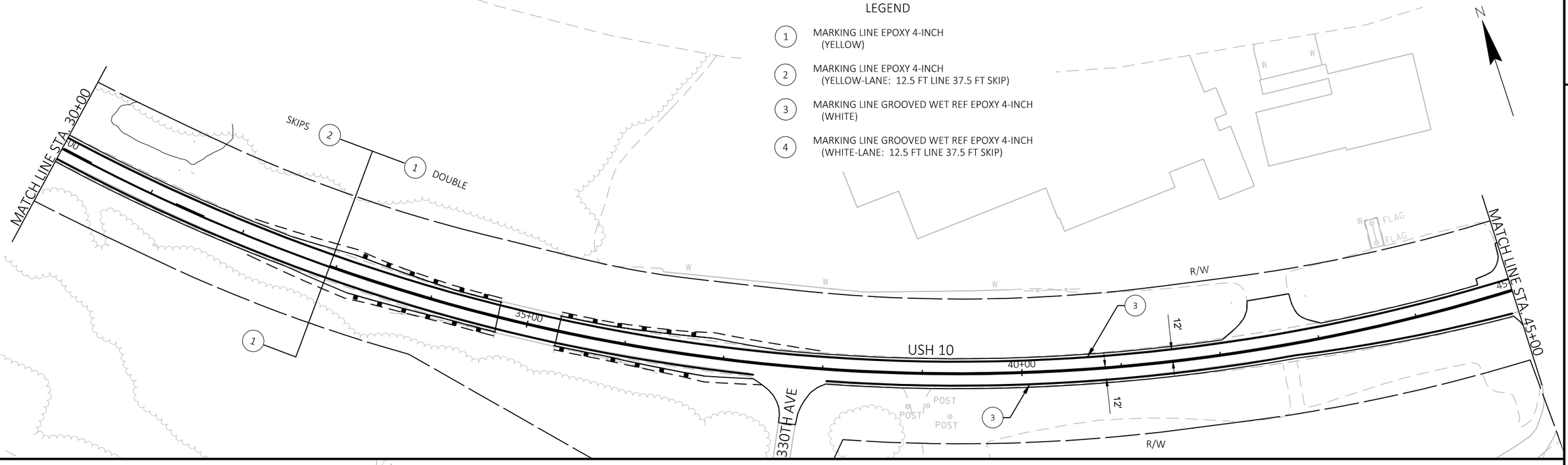


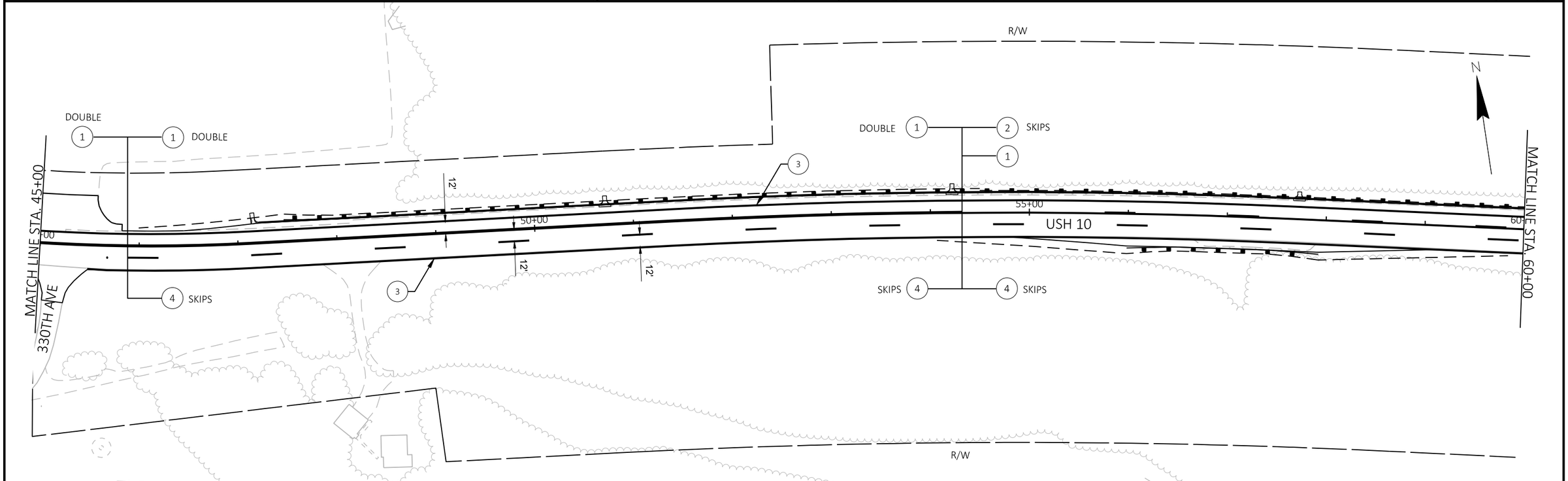
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

2

LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW-LANE: 12.5 FT LINE 37.5 FT SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE-LANE: 12.5 FT LINE 37.5 FT SKIP)

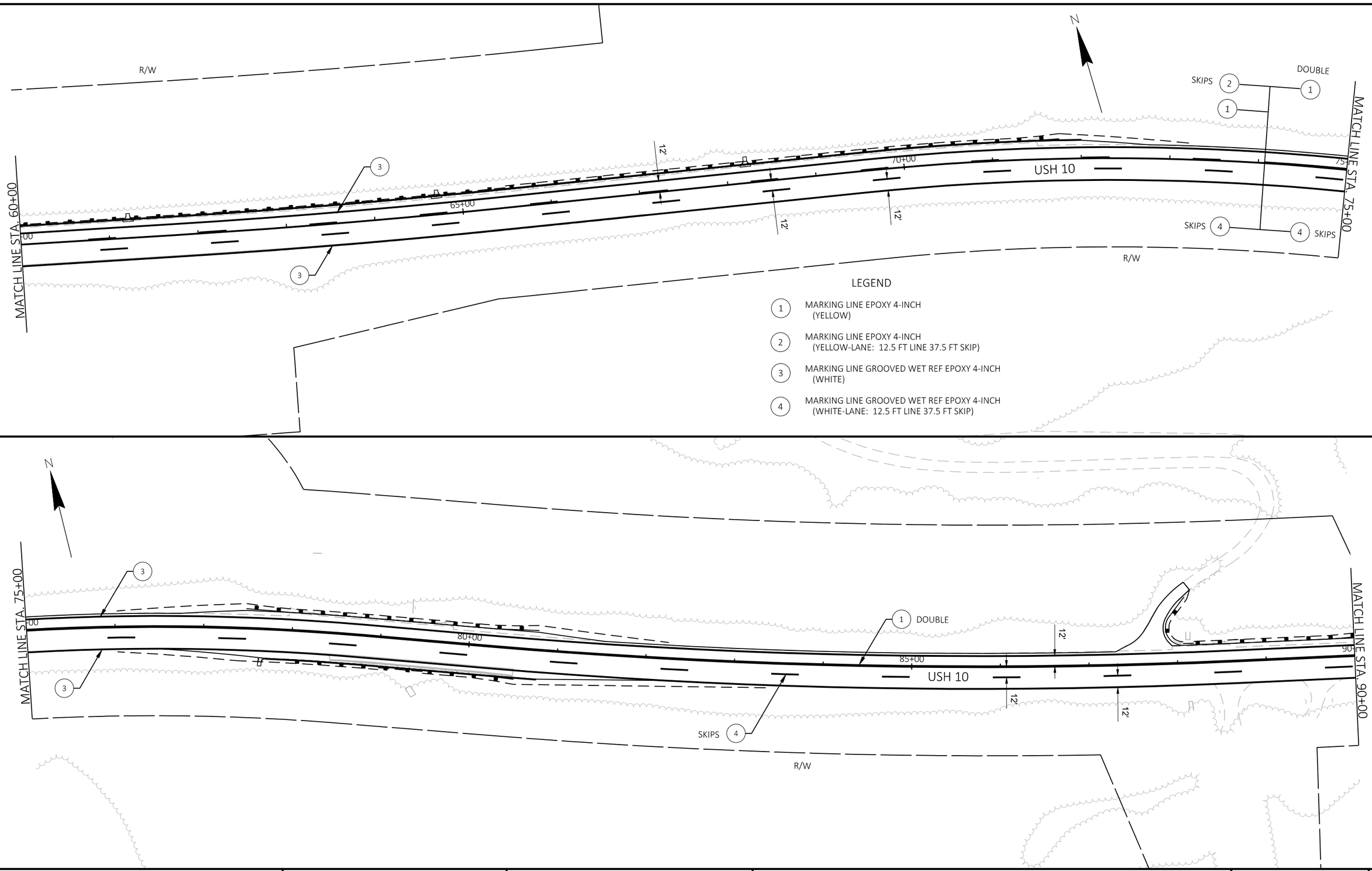




PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (2)

PLOT DATE : 5/1/2019 1:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

2

2

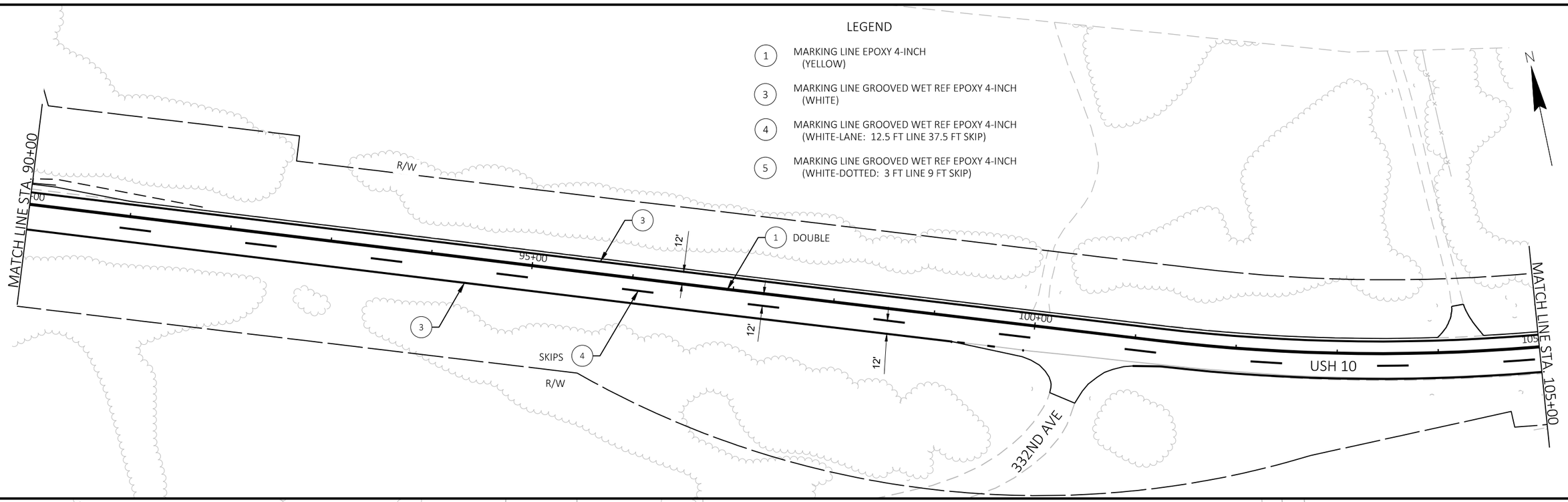
LEGEND

1 MARKING LINE EPOXY 4-INCH (YELLOW)

3 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

4 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE-LANE: 12.5 FT LINE 37.5 FT SKIP)

5 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE-DOTTED: 3 FT LINE 9 FT SKIP)

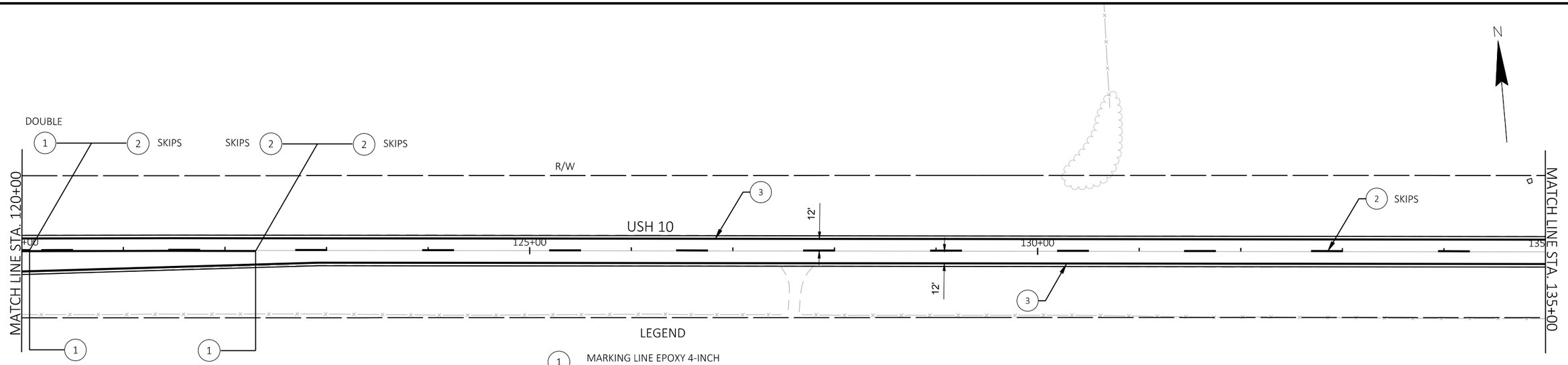


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (4)

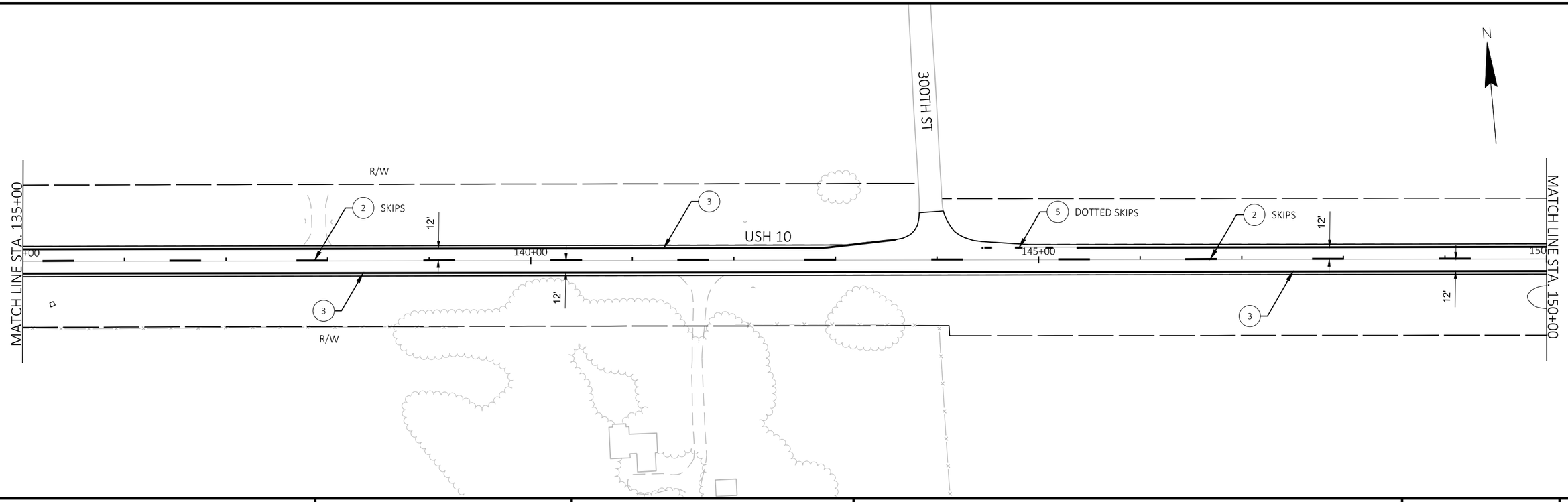
PLOT DATE : 5/1/2019 1:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



LEGEND

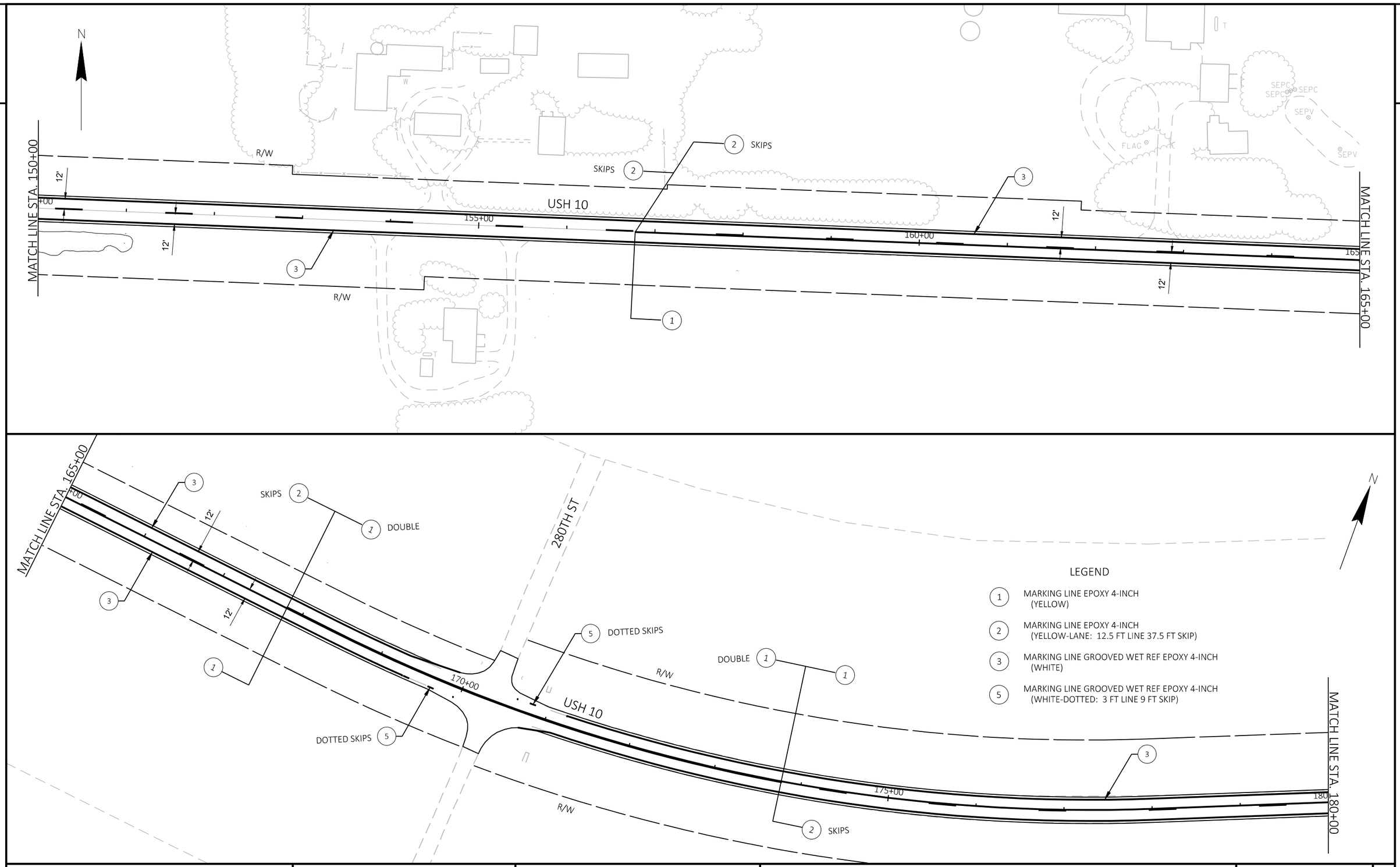
1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW-LANE: 12.5 FT LINE 37.5 FT SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
5. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE-DOTTED: 3 FT LINE 9 FT SKIP)



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

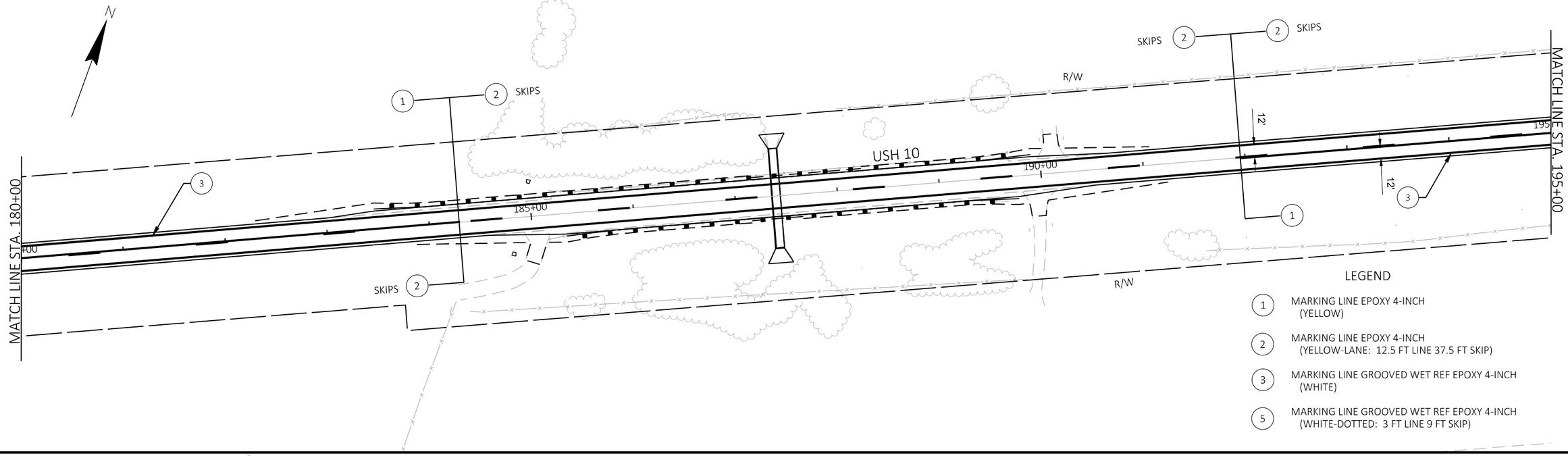
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (5)

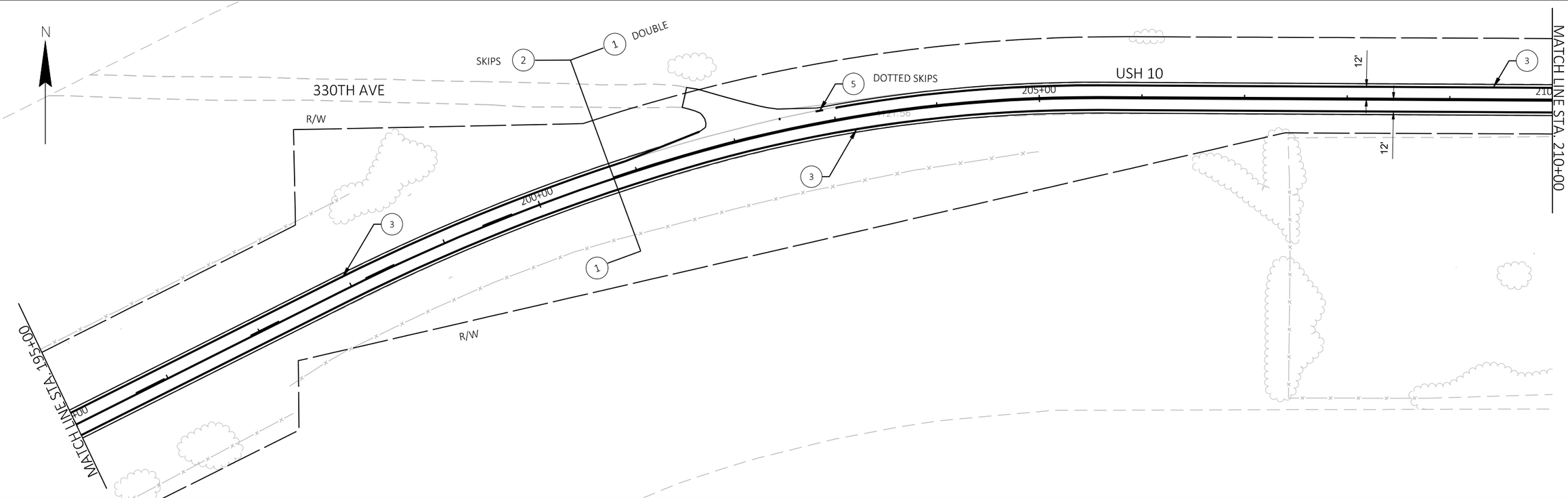
PLOT DATE : 5/1/2019 1:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

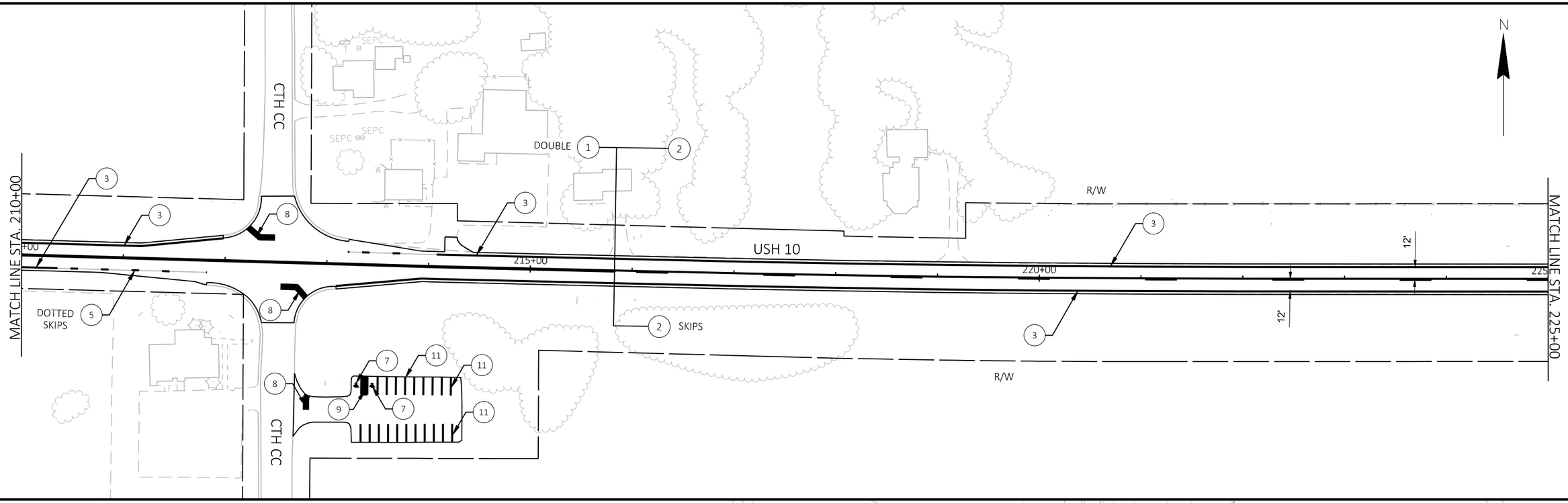
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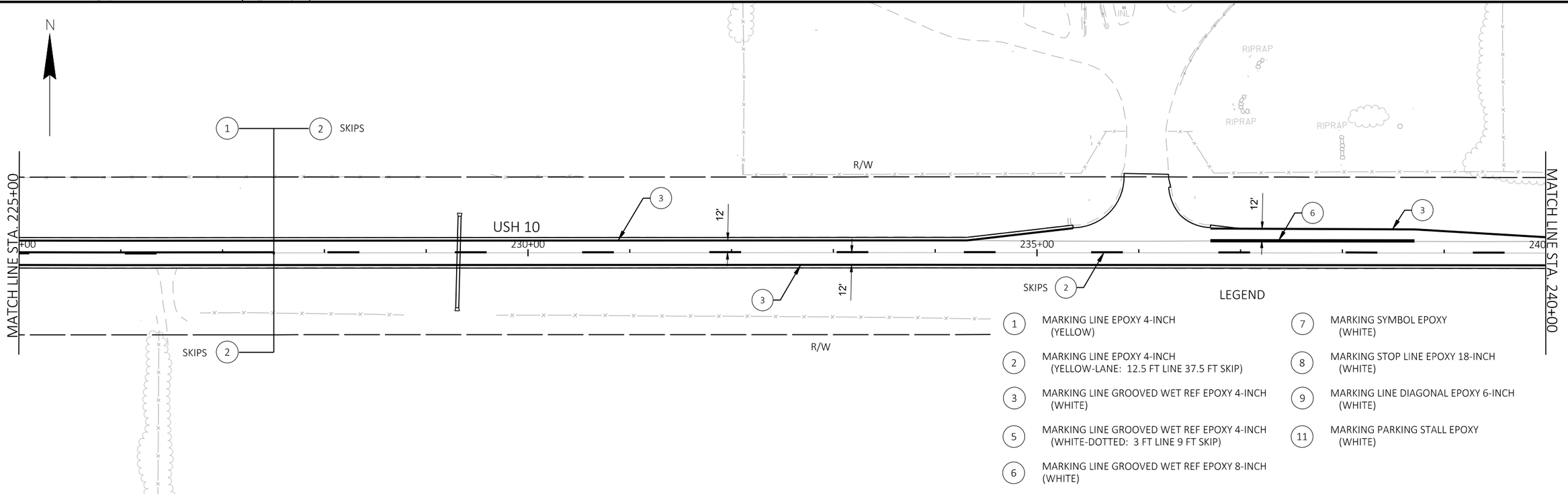




PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (7)
PLOT DATE : 5/1/2019 1:30 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



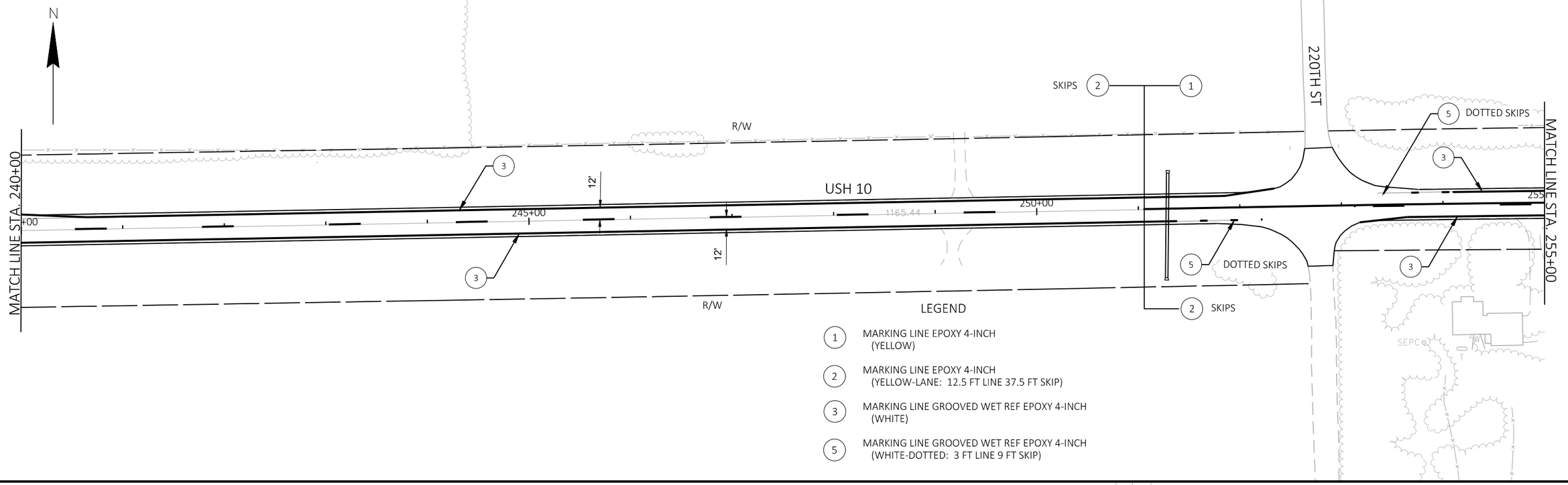


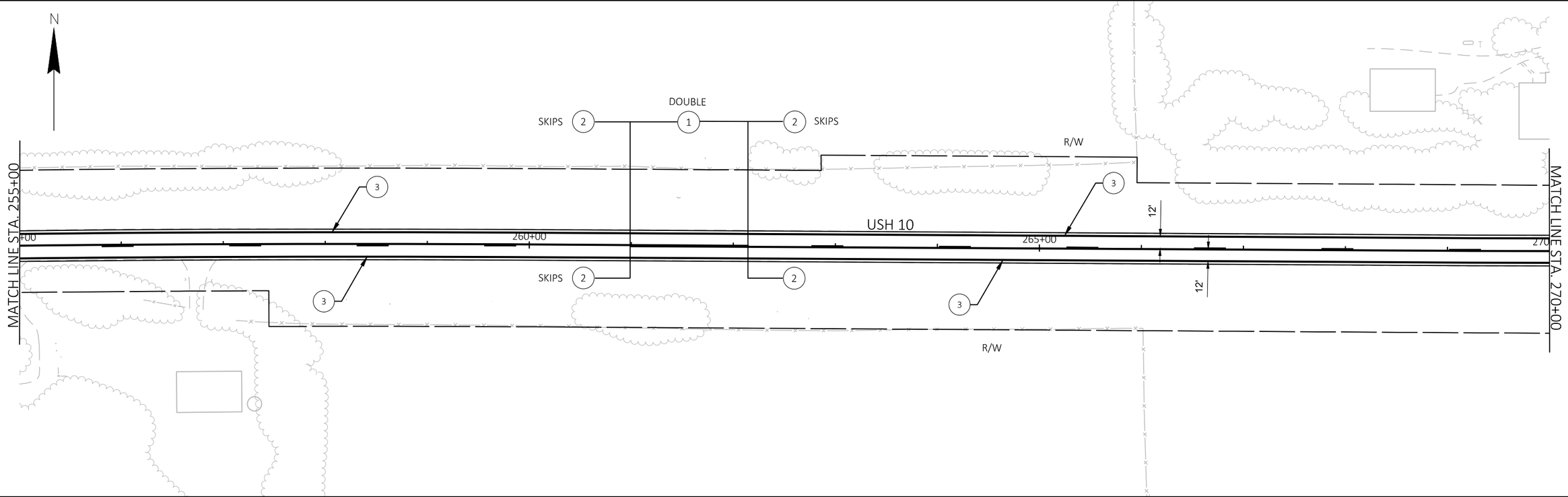
LEGEND

1	MARKING LINE EPOXY 4-INCH (YELLOW)	7	MARKING SYMBOL EPOXY (WHITE)
2	MARKING LINE EPOXY 4-INCH (YELLOW-LANE: 12.5 FT LINE 37.5 FT SKIP)	8	MARKING STOP LINE EPOXY 18-INCH (WHITE)
3	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)	9	MARKING LINE DIAGONAL EPOXY 6-INCH (WHITE)
5	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE-DOTTED: 3 FT LINE 9 FT SKIP)	11	MARKING PARKING STALL EPOXY (WHITE)
6	MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)		

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

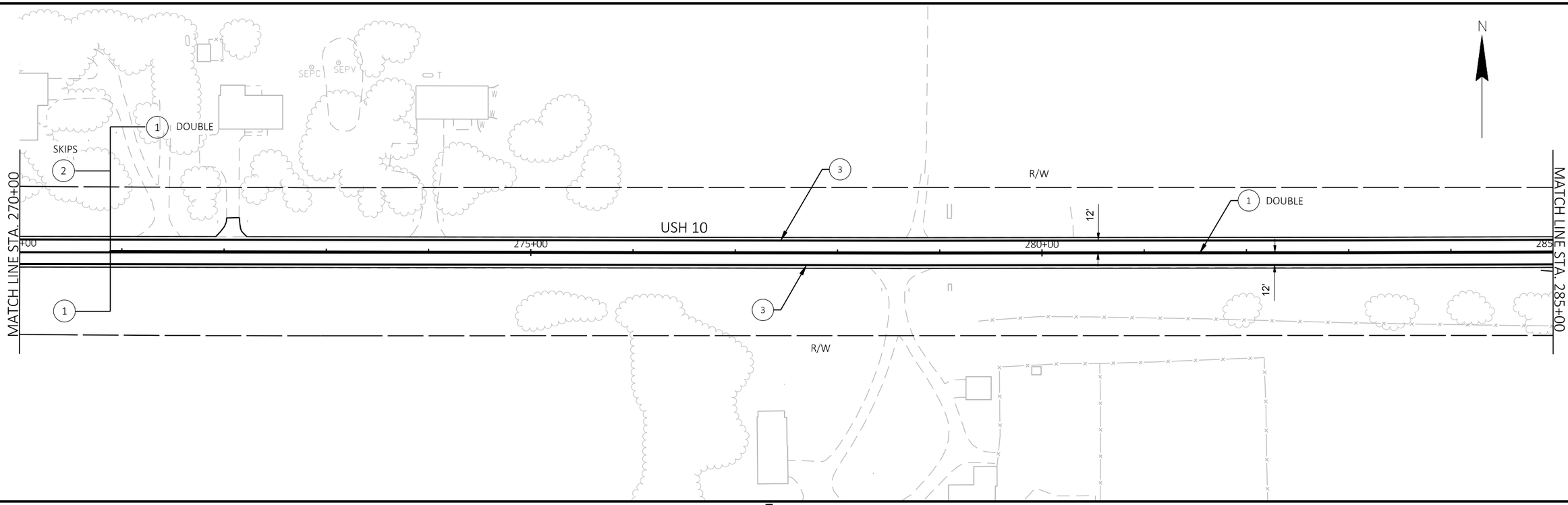
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (8)
PLOT DATE : 5/1/2019 1:31 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

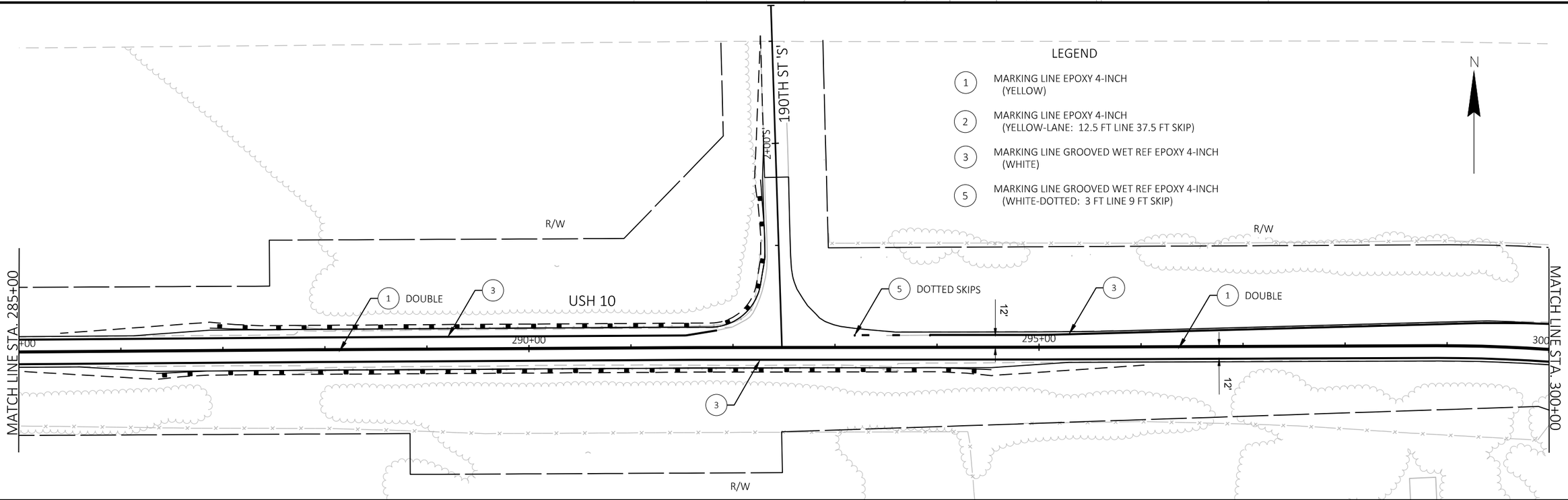




PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

2



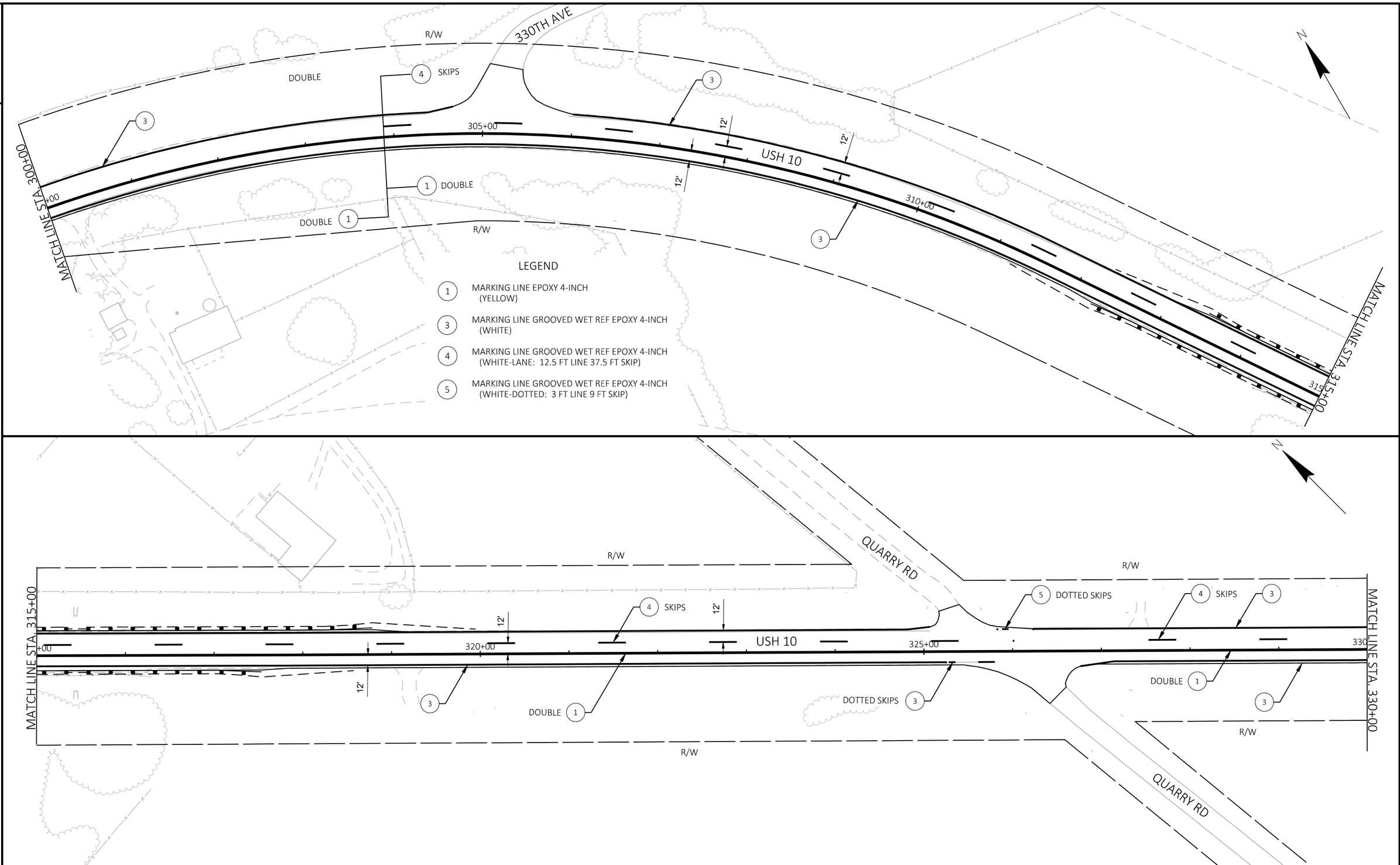


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (10)

PLOT DATE : 5/1/2019 1:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (11)
PLOT DATE : 5/1/2019 1:31 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

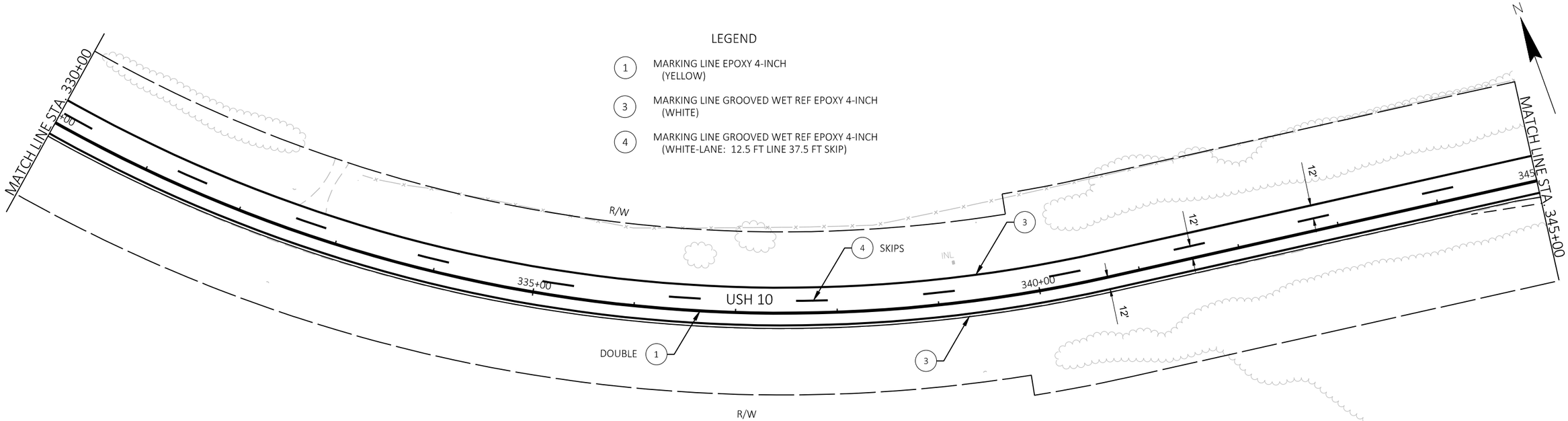
2

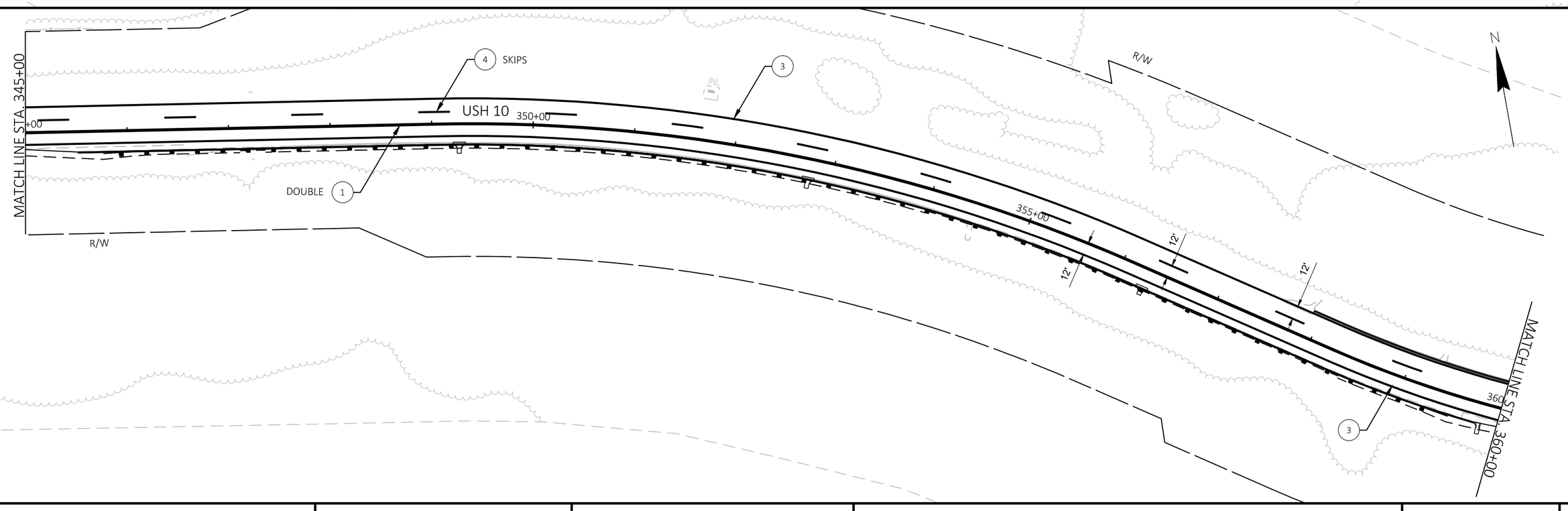
LEGEND

1 MARKING LINE EPOXY 4-INCH (YELLOW)

3 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

4 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE-LANE: 12.5 FT LINE 37.5 FT SKIP)





PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

2

N

R/W

LEGEND

1 MARKING LINE EPOXY 4-INCH (YELLOW)

3 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

4 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE-LANE: 12.5 FT LINE 37.5 FT SKIP)

5 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE-DOTTED: 3 FT LINE 9 FT SKIP)

MATCH LINE STA. 360+00

4 SKIPS

365+00

DOUBLE 1

3

370+00

12'

12'

12'

3

USH 10

375+00

MATCH LINE STA. 375+00

R/W

N

SKIPS 4

5 DOTTED SKIPS

3

USH 10

385+00

SKIPS 4

380+00

DOUBLE 1

1 DOUBLE

3

MATCH LINE STA. 390+00

12'

12'

12'

1 DOUBLE

R/W

MATCH LINE STA. 375+00

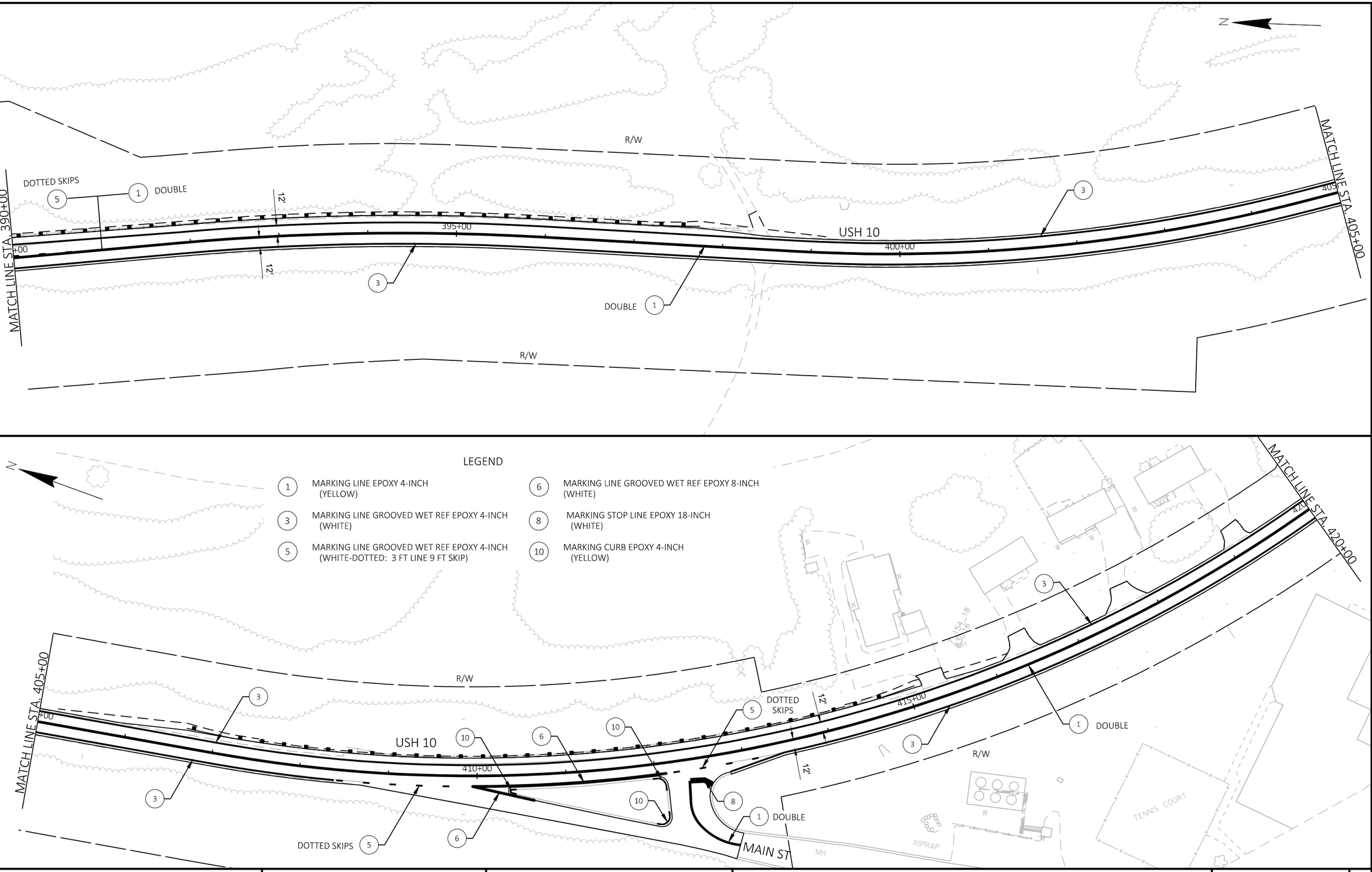
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (13)

PLOT DATE : 5/1/2019 1:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

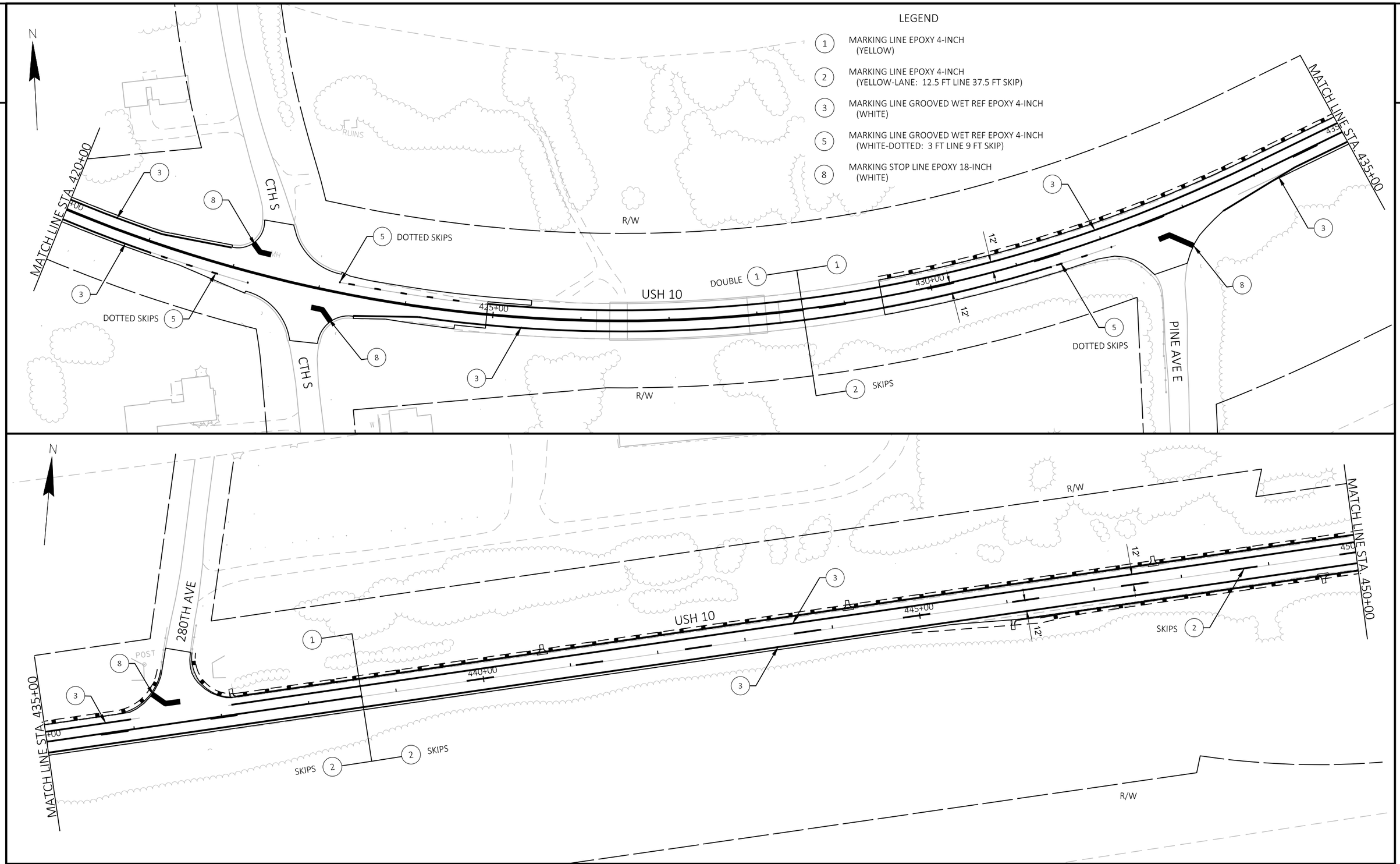
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (14)
PLOT DATE : 5/1/2019 1:31 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

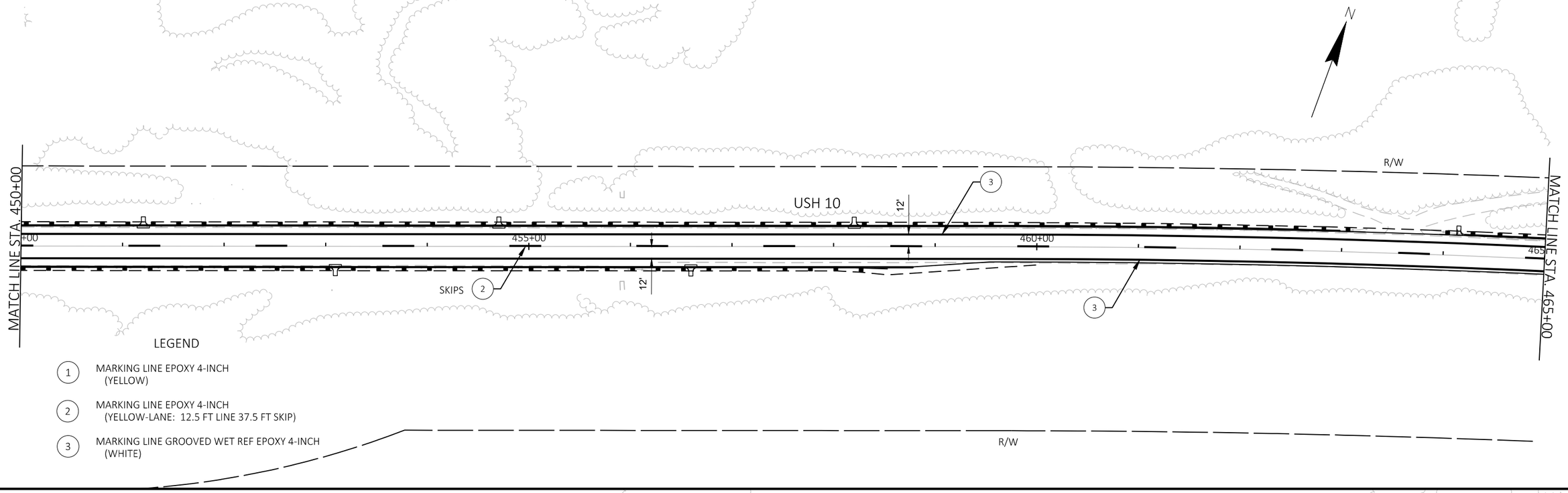
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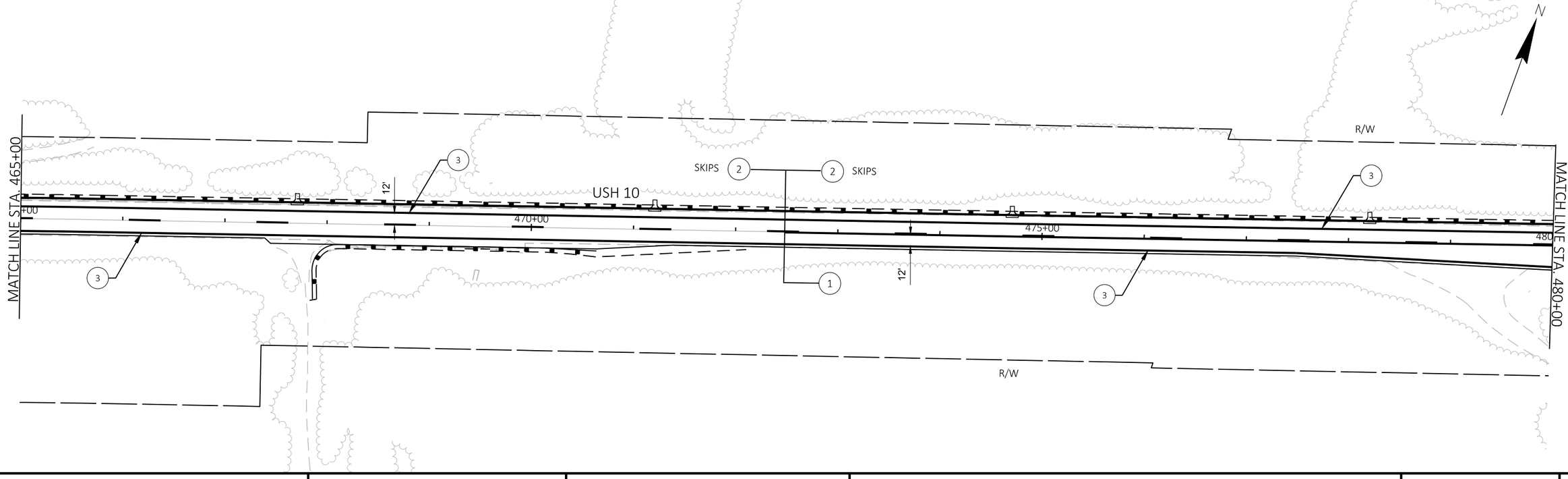


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (15)
PLOT DATE : 5/1/2019 1:32 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

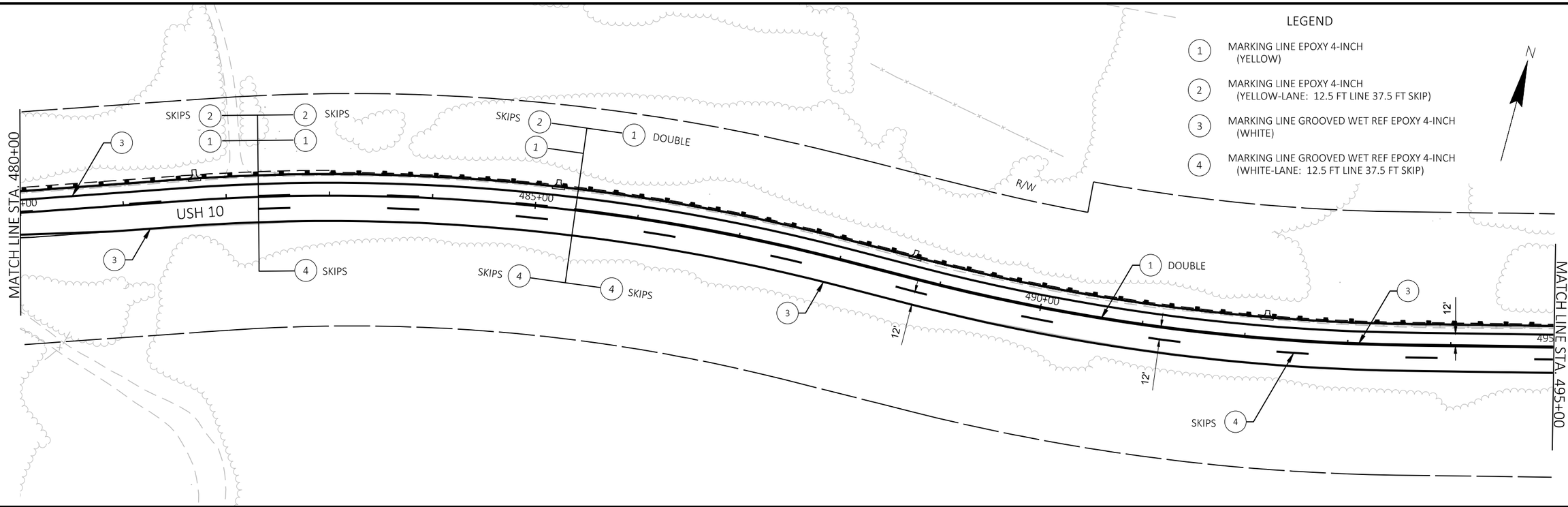
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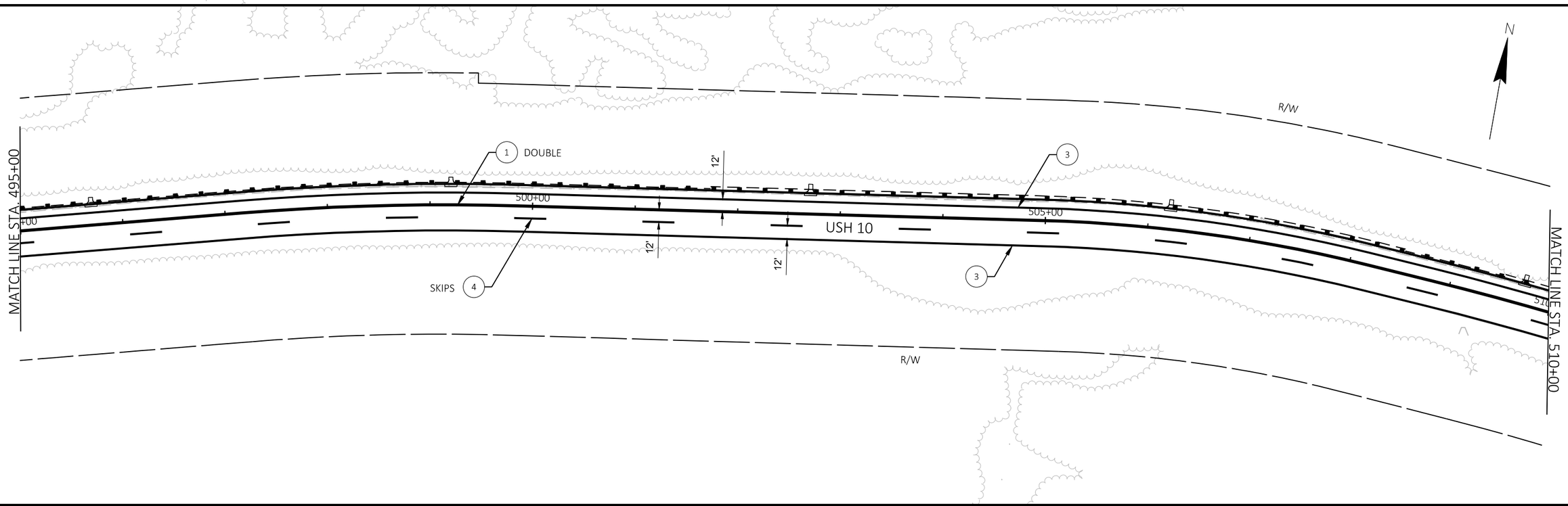




PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

2

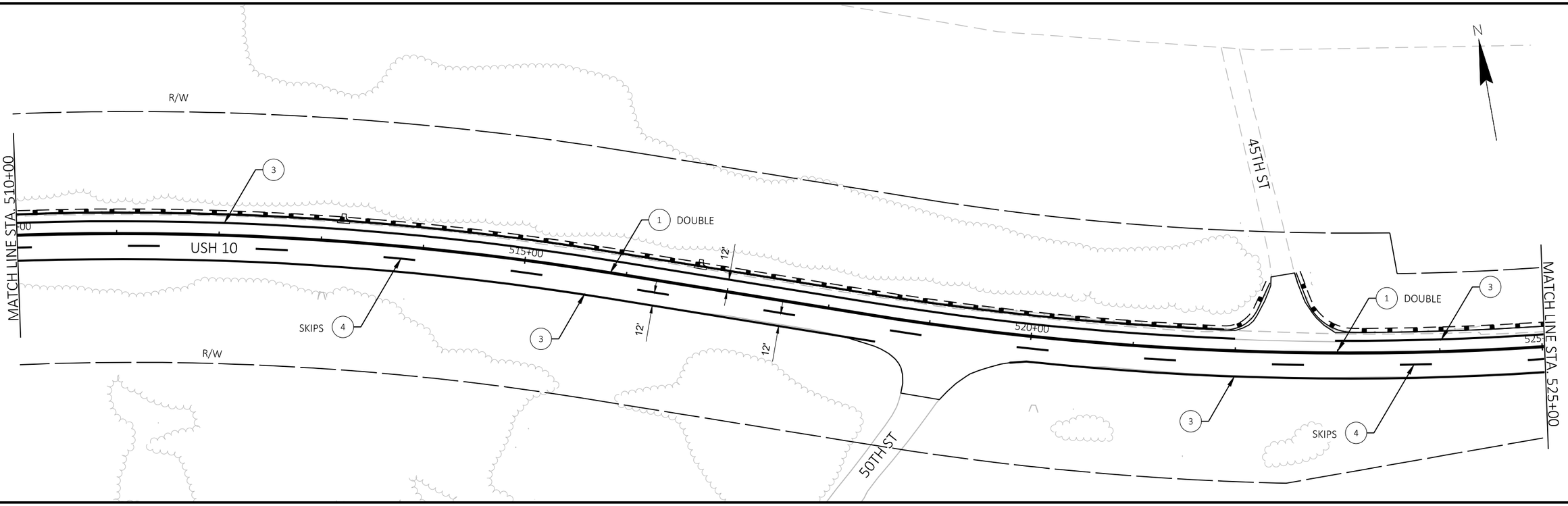




PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

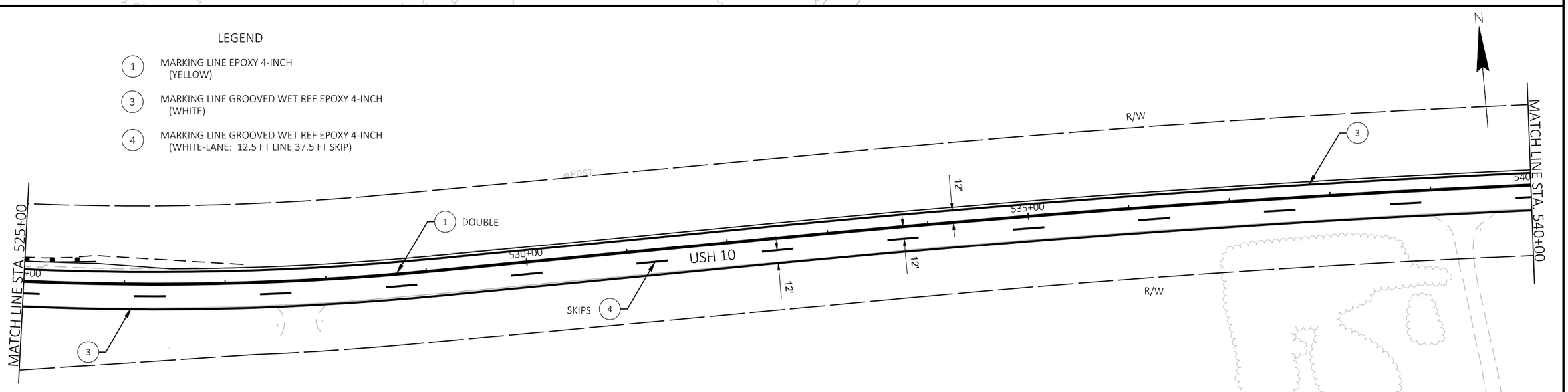
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (17)
PLOT DATE : 5/1/2019 1:32 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2



LEGEND

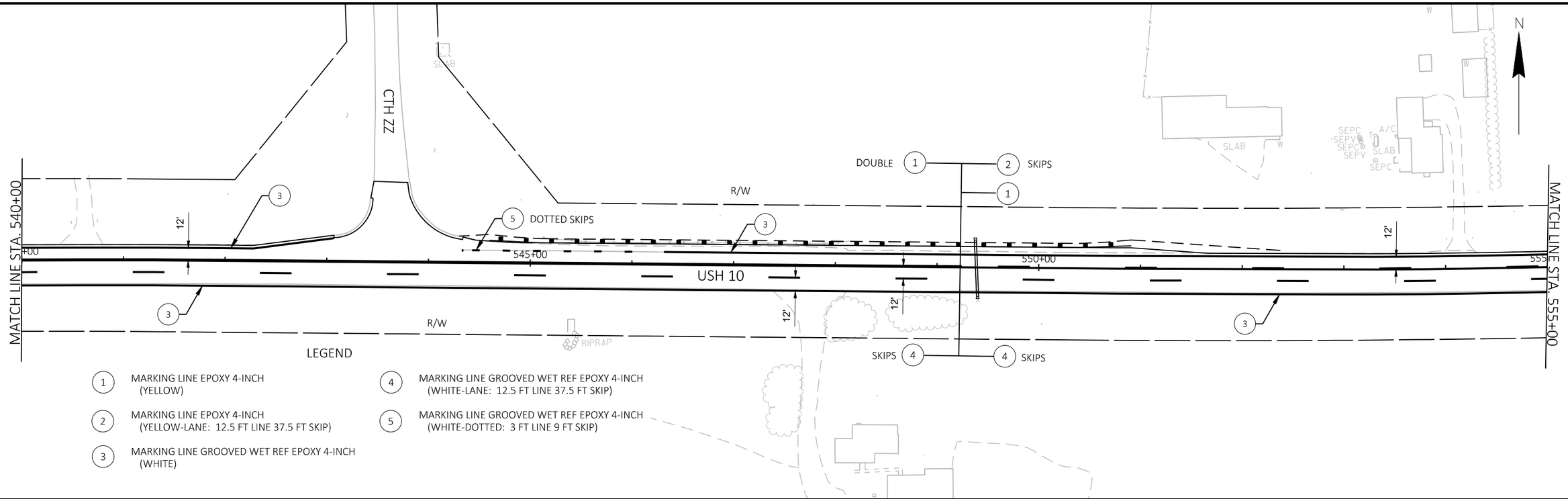
1. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE-LANE: 12.5 FT LINE 37.5 FT SKIP)



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

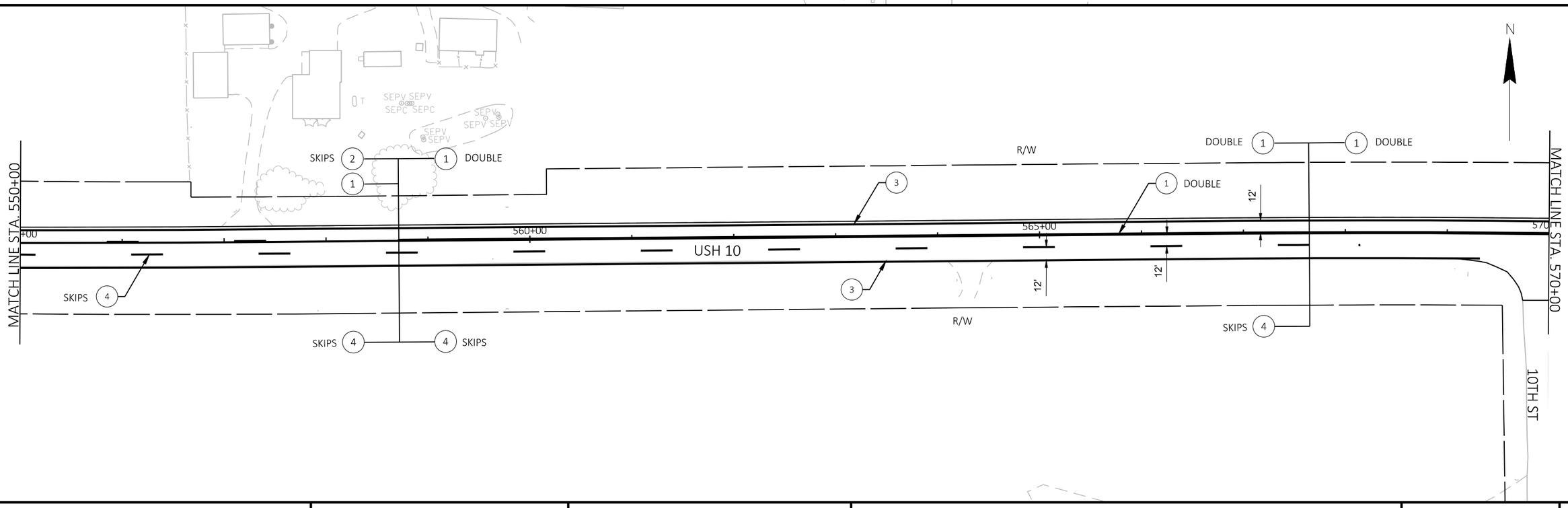
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (18)
PLOT DATE : 5/1/2019 1:32 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW-LANE: 12.5 FT LINE 37.5 FT SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE-LANE: 12.5 FT LINE 37.5 FT SKIP)
5. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE-DOTTED: 3 FT LINE 9 FT SKIP)



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

2

N

END PROJECT 1530-05-72
STATION 575+97.96

R/W

1 DOUBLE

3

MATCH LINE STA. 570+00

+00

575+00

USH 10

12'

12'

3

SLAB

SLAB

LEGEND

1 MARKING LINE EPOXY 4-INCH (YELLOW)

3 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PAVEMENT MARKING	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - Sheet - (20)
PLOT DATE : 5/1/2019 1:32 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

MAINTENANCE OF TRAFFIC:

USH 10

- USH 10 SHALL REMAIN OPEN TO ALL EXISTING LANES AT ALL TIMES EXCEPT FOR FLAGGING OPERATIONS AND SHOULDER CLOSURES AS NOTED IN THE CONTRACT SPECIAL PROVISIONS

PARK & RIDE

- PARK & RIDE WILL BE CLOSED TO TRAFFIC DURING CONSTRUCTION OPERATIONS INVOLVING THE PARK & RIDE

LOCAL ROADS AND DRIVEWAYS

- MAINTAIN LOCAL ACCESS AT ALL TIMES

CONSTRUCTION TO BE COMPLETED:

USH 10

- MILL & OVERLAY
- REPLACE BEAM GUARD
- REPLACE CULVERTS AT STA. 229+32, STA. 251+29, 315+44, AND STA. 549+39

PARK & RIDE

- MILL & OVERLAY

190TH STREET

- MILL & OVERLAY
- REPLACE BEAM GUARD

NOTES:

REFER TO THE FOLLOWING TRAFFIC CONTROL DETAILS, AS WELL AS STANDARD DETAIL DRAWINGS FOR TRAFFIC CONTROL DEVICES AS NECESSARY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER:

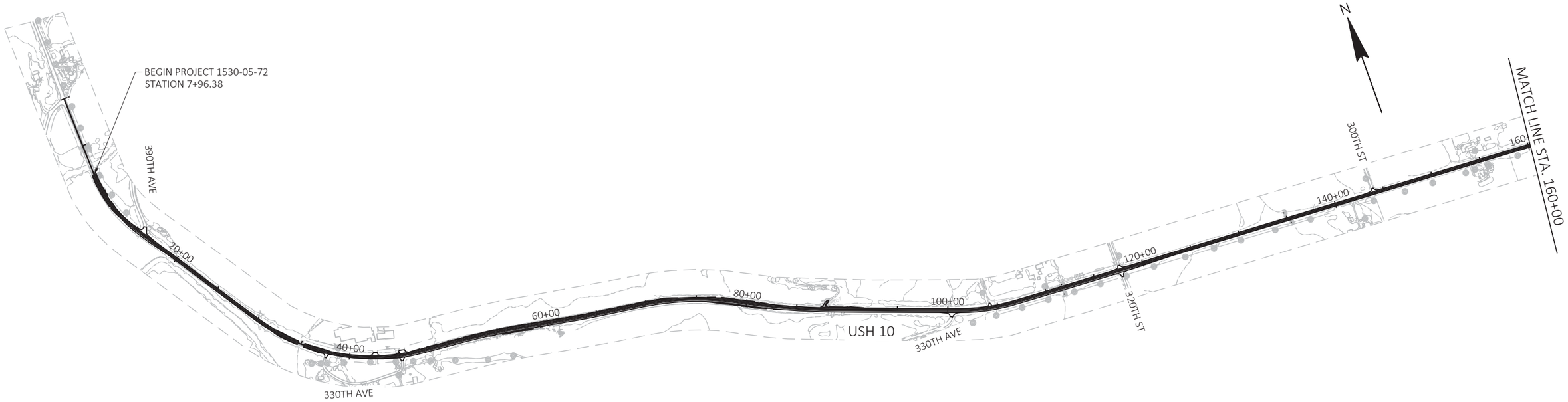
- SEE S.D.D. "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC"
- SEE S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"
- SEE S.D.D. "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"
- SEE S.D.D. "TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION"
- SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

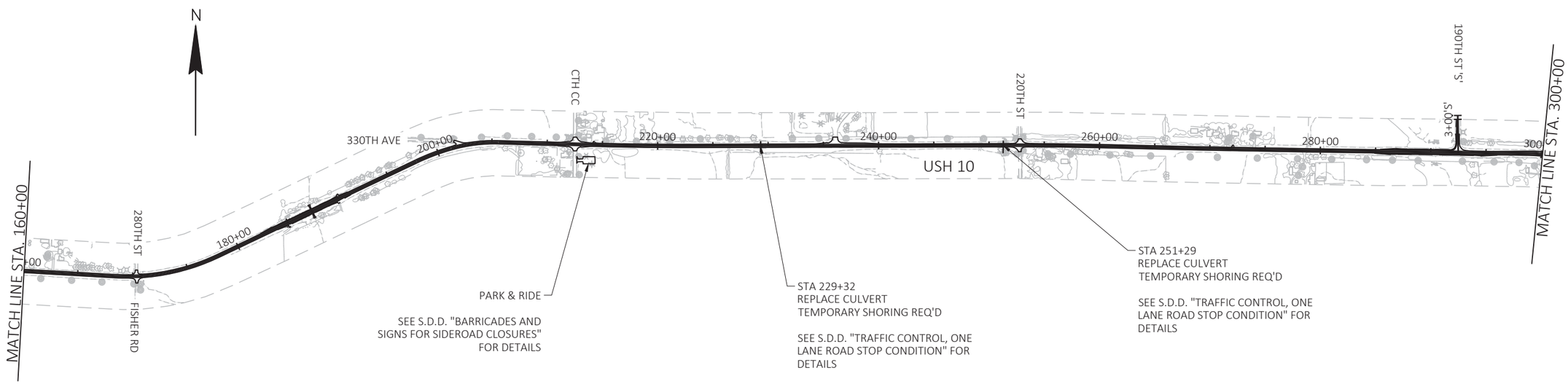
TRAFFIC CONTROL GENERAL NOTES:

- ALL TRAFFIC CONTROL DEVICES OTHER THAN TEMPORARY SHORING AND CONCRETE BARRIER TEMPORARY PRECAST SHALL BE PAID FOR WITH THE "TRAFFIC CONTROL" BID ITEM.
- ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. REMOVING/REPLACING OR COVERING/UNCOVERING SIGNS WILL BE INCIDENTAL TO OTHER TRAFFIC CONTROL ITEMS.
- "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
- CONSIDER GEOMETRICS WHEN LOCATING SIGNS, ARROW BOARDS, AND SIGN MESSAGE BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE SIGNS, ARROW BOARDS, AND SIGN MESSAGE BOARDS.
- IF SIGNS ARE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS WITH A MINIMUM 5' MOUNTING HEIGHT.
- ALL TRAFFIC CONTROL SIGNING SHALL CONFORM TO: PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE WISCONSIN SUPPLEMENT TO THE MUTCD, TRAFFIC ENGINEERING, OPERATIONS AND SAFETY MANUAL, AND OTHER CONTRACT DOCUMENTS.
- THE TURNING OF TRAFFIC CONTROL DEVICES WHEN NOT IN USE TO OBSCURE THE MESSAGE WILL NOT BE ALLOWED.
- ALL COVERINGS OF SIGNS SHALL BE AN APPROVED BLANK ORANGE MATERIAL.
- MOVE, REMOVE OR INSTALL ROUTE MARKER SIGNS AS REQUIRED TO MAINTAIN NECESSARY ROUTE GUIDANCE THROUGHOUT CONSTRUCTION.
- CONTRACTORS EQUIPMENT AND MATERIAL STOCKPILES MAY NOT BE STORED WITHIN THE CONSTRUCTION CLEAR ZONE WHILE THE CONTRACTOR IS NOT WORKING, UNLESS THEY ARE PROTECTED BY CONCRETE BARRIER TEMPORARY PRECAST.
- CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF: THE DISTANCE TO A 2 FOOT OR GREATER DROP-OFF THAT IS STEEPER THAN 3H:1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROP-OFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROP-OFF AND THE POSTED SPEED IS 45 MPH OR GREATER.

2

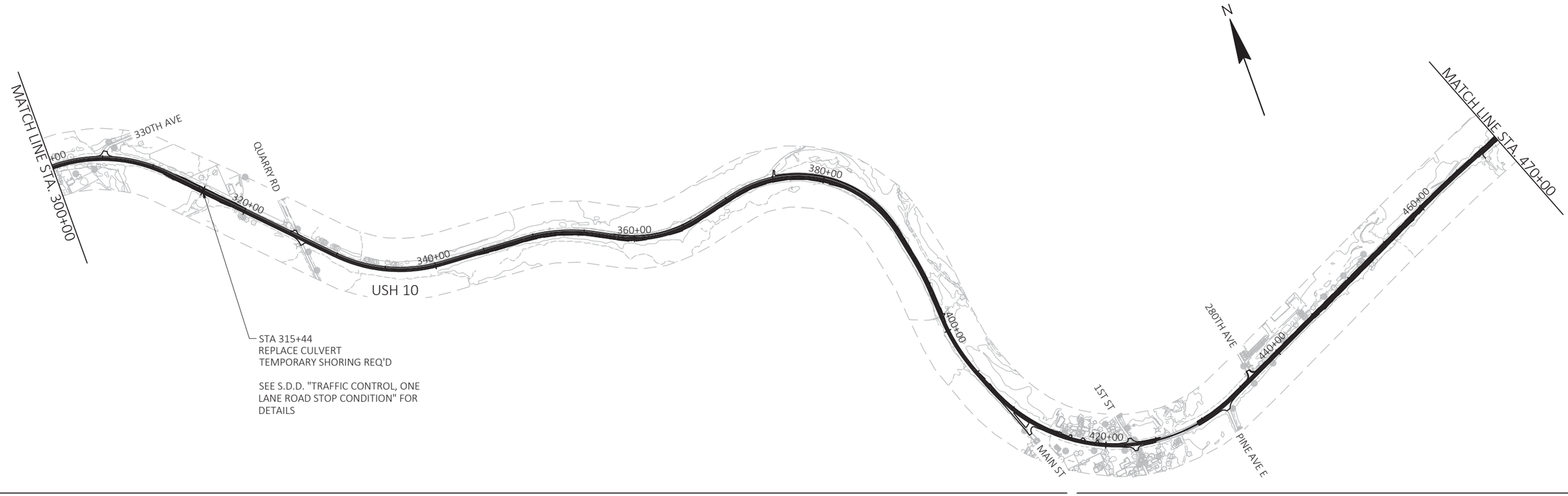
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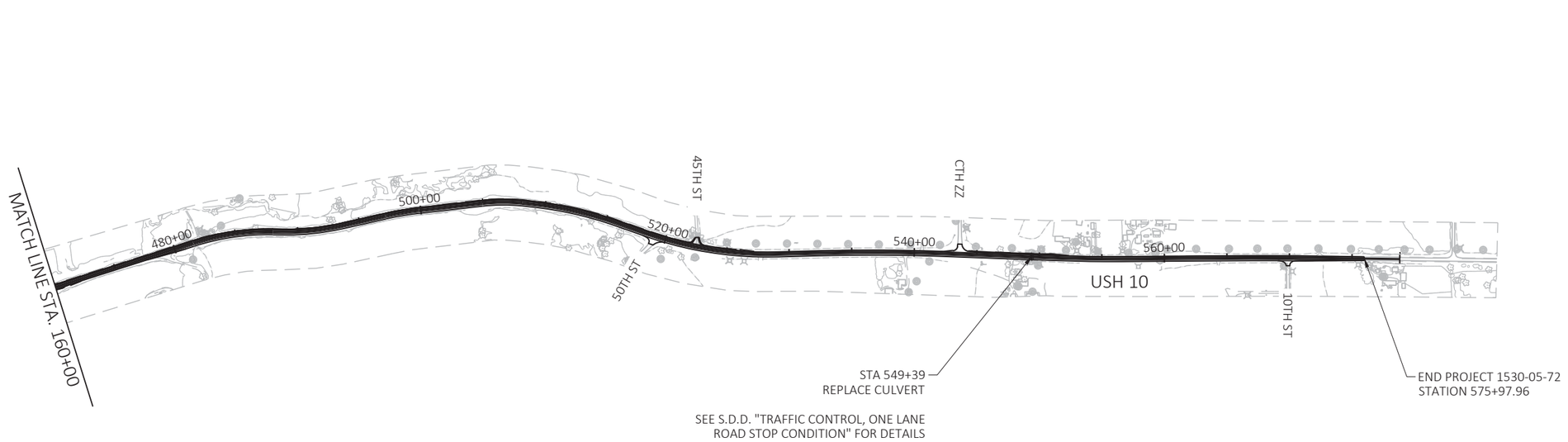




PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	TRAFFIC CONTROL OVERVIEW	SHEET	E

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LAYOUT NAME - Sheet - (1)
PLOT DATE : 7/2/2019 11:51 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ############

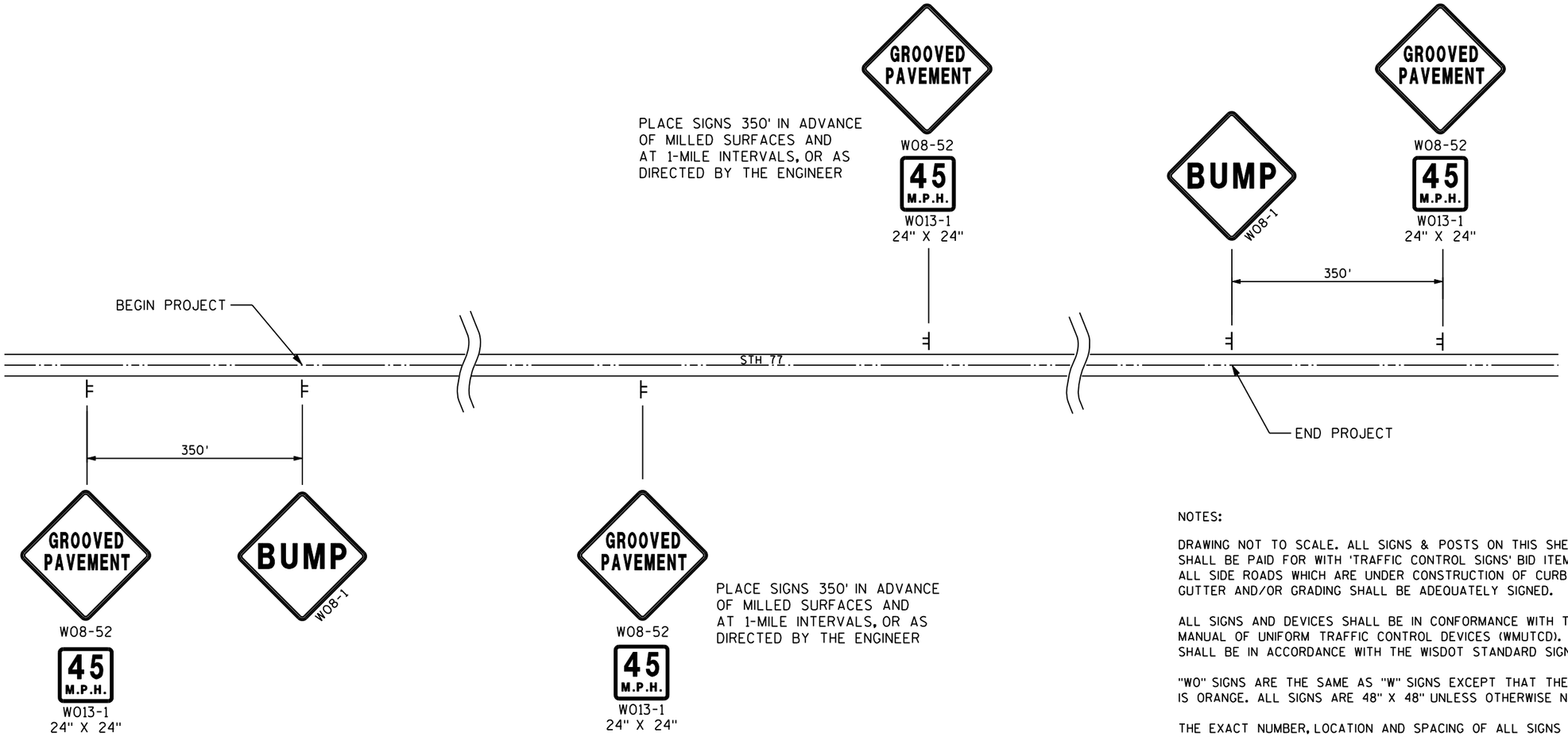




PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	TRAFFIC CONTROL OVERVIEW	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\025001_TC.DWG
LAYOUT NAME - Sheet - (2)
PLOT DATE : 7/2/2019 11:51 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42

2



PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1-MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER

PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1-MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER

NOTES:

DRAWING NOT TO SCALE. ALL SIGNS & POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB & GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE NEXT DETAIL SHEET FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MARKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

DETAIL FOR SIGNING ON MAINLINE MILLED SURFACES

CLEARING & GRUBBING

LOCATION	STATION	- STATION	O/S	201.0105 CLEARING (STA)	201.0205 GRUBBING (STA)
PROJECT 1530-05-72					
CATEGORY 0010					
S.O.P - 320TH ST	8+50	12+00	RT	4	4
S.O.P - 320TH ST	32+34	36+63	RT	2	2
S.O.P - 320TH ST	48+62	58+03	LT	8	8
S.O.P - 320TH ST	57+25	59+20	RT	2	2
S.O.P - 320TH ST	65+66	72+00	LT	5	5
S.O.P - 320TH ST	79+45	81+31	RT	2	2
S.O.P - 320TH ST	88+19	91+39	LT	3	3
320TH ST - CTH CC	185+63	188+52	LT	2	2
320TH ST - CTH CC	185+95	187+79	RT	2	2
CTH CC - QUARRY RD	285+78	293+48	RT	7	7
CTH CC - QUARRY RD	287+86	291+98	LT	4	4
CTH CC - QUARRY RD	314+47	316+36	RT	2	2
QUARRY RD - 280TH AVE	345+42	352+16	RT	2	2
QUARRY RD - 280TH AVE	375+42	385+57	LT	9	9
QUARRY RD - 280TH AVE	390+50	391+85	LT	1	1
QUARRY RD - 280TH AVE	396+51	397+91	LT	1	1
QUARRY RD - 280TH AVE	406+31	407+39	LT	1	1
280TH AVE - EOP	437+17	438+79	LT	2	2
280TH AVE - EOP	448+76	503+78	LT	37	37
280TH AVE - EOP	470+10	471+37	RT	1	1
280TH AVE - EOP	511+96	522+21	LT	10	10
190TH ST	0+62'S'	2+10'S'	LT	1	1
1530-05-72 PROJECT TOTALS				**108**	**108**

REMOVING ASPHALTIC SURFACE MILLING

LOCATION	STATION	- STATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING (SY)
PROJECT 1530-05-72			
CATEGORY 0010			
S.O.P - 320TH ST	8+13	34+70	9,822
S.O.P - 320TH ST	34+70	47+22	5,179
S.O.P - 320TH ST	47+22	72+00	11,834
S.O.P - 320TH ST	72+00	77+71	2,639
S.O.P - 320TH ST	77+71	80+78	1,355
S.O.P - 320TH ST	80+78	117+69	17,278
320TH ST - CTH CC	117+69	212+50	33,693
CTH CC - QUARRY RD	212+50	325+90	44,364
QUARRY RD - 280TH AVE	325+90	345+51	8,939
QUARRY RD - 280TH AVE	345+51	359+76	6,696
QUARRY RD - 280TH AVE	359+76	364+59	2,181
QUARRY RD - 280TH AVE	364+59	380+80	8,154
QUARRY RD - 280TH AVE	380+80	437+20	23,124
280TH AVE - EOP	437+20	521+88	36,609
280TH AVE - EOP	521+88	575+98	25,034
LANE REPAIR	UNDISTRIBUTED		16,000
CATEGORY 0010 TOTALS			**252,901**
CATEGORY 0020			
PARK & RIDE	--		959
CATEGORY 0020 TOTALS			**959**
1530-05-72 PROJECT TOTALS			**253,860**

REMOVING SMALL PIPE CULVERTS

LOCATION	STATION	203.0100 REMOVING SMALL PIPE CULVERTS (EACH)
PROJECT 1530-05-72		
CATEGORY 0010		
CTH CC - QUARRY RD	229+32	1
CTH CC - QUARRY RD	251+29	1
CTH CC - QUARRY RD	315+44	1
280TH - EOP	544+39	1
1530-05-72 PROJECT TOTALS		**4**

REMOVING PAVEMENT

LOCATION	STATION	204.0100 REMOVING PAVEMENT (SY)
PROJECT 1530-05-72		
CATEGORY 0010		
CTH CC - QUARRY RD	229+32	67
CTH CC - QUARRY RD	251+29	67
280TH - EOP	544+39	103
1530-05-72 PROJECT TOTALS		**237**

REMOVING GUARDRAIL

LOCATION	STATION	- STATION	O/S	204.0165 REMOVING GUARDRAIL (LF)
PROJECT 1530-05-72				
CATEGORY 0010				
SOP - 320TH ST	8+02	- 9+87	LT	185.0
SOP - 320TH ST	8+11	- 11+64	RT	359.0
SOP - 320TH ST	33+62	- 34+69	LT	107.0
SOP - 320TH ST	33+65	- 34+70	RT	107.0
SOP - 320TH ST	35+32	- 36+40	LT	107.0
SOP - 320TH ST	35+32	- 36+37	RT	107.0
SOP - 320TH ST	48+13	- 71+57	LT	2,347.0
SOP - 320TH ST	56+63	- 57+94	RT	131.0
SOP - 320TH ST	77+95	- 79+83	LT	189.0
SOP - 320TH ST	78+56	- 80+44	RT	189.0
SOP - 320TH ST	87+95	- 88+67	LT	75.0
320TH ST - CTH CC	185+18	- 189+70	LT	452.0
320TH ST - CTH CC	185+15	- 189+66	RT	452.0
CTH CC - QUARRY RD	287+74	- 293+62	RT	589.0
CTH CC - QUARRY RD	287+71	- 292+28	LT	522.0
CTH CC - QUARRY RD	314+27	- 316+29	RT	202.0
CTH CC - QUARRY RD	314+73	- 316+24	LT	152.0
QUARRY RD - 280TH AVE	346+58	- 358+39	RT	1,173.0
QUARRY RD - 280TH AVE	365+67	- 379+54	RT	1,373.0
QUARRY RD - 280TH AVE	375+30	- 398+29	LT	2,338.0
QUARRY RD - 280TH AVE	408+51	- 414+73	LT	614.0
QUARRY RD - 280TH AVE	429+43	- 436+53	LT	760.0
280TH AVE - EOP	436+87	- 463+25	LT	2,721.0
280TH AVE - EOP	447+11	- 456+26	RT	915.0
280TH AVE - EOP	463+87	- 481+83	LT	1,797.0
280TH AVE - EOP	468+02	- 469+92	RT	191.0
280TH AVE - EOP	482+33	- 505+27	LT	2,298.0
280TH AVE - EOP	507+07	- 522+32	LT	1,554.0
280TH AVE - EOP	522+63	- 524+40	LT	198.0
280TH AVE - EOP	545+12	- 548+15	LT	304.0
1530-05-72 PROJECT TOTALS				**22,508.0**

EXCAVATION SUMMARY

1530-05-72 CATEGORY 0010	FROM / TO STATION	DIVISION	LOCATION	CONSTRUCTION STAGE	205.0100 EXCAVATION COMMON (CY)	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	AVAILABLE MATERIAL (2)	UNEXPANDED FILL (6)	EXPANDED FILL (3) FACTOR 1.30	MASS ORDINATE +/- (4)	WASTE (5)	208.0100 BORROW (7) (CY)	COMMENT
DIV. 1	7+96 - 13+02	1-1	USH 10	STAGE 1	286	0	286	390	506	-221	0	221	
	32+07 - 34+70	1-2	USH 10	STAGE 1	149	0	149	268	348	-200	0	200	
	35+32 - 37+96	1-3	USH 10	STAGE 1	143	0	143	154	201	-58	0	58	
	45+99 - 73+21	1-4	USH 10	STAGE 1	684	0	684	881	1,145	-461	0	461	
	76+02 - 83+36	1-5	USH 10	STAGE 1	452	0	452	318	414	38	38	0	Excess available matertial
	87+88 - 91+70	1-6	USH 10	STAGE 1	160	0	160	209	272	-112	0	112	
	182+31 - 191+23	1-7	USH 10	STAGE 1	342	0	342	1,968	2,558	-2,216	0	2,216	
	229+19 - 229+45	1-8	USH 10	STAGE 1	108	0	108	4	6	102	102	0	Excess available matertial
	251+16 - 251+42	1-9	USH 10	STAGE 1	92	0	92	21	27	65	65	0	Excess available matertial
	284+88 - 296+03	1-10	USH 10	STAGE 1	368	0	368	2,466	3,206	-2,838	0	2,838	
	311+20 - 319+95	1-11	USH 10	STAGE 1	366	0	366	894	1,162	-796	0	796	
	344+30 - 399+16	1-12	USH 10	STAGE 1	1,852	0	1,852	1,854	2,410	-558	0	558	
	405+20 - 416+20	1-13	USH 10	STAGE 1	338	0	338	1,145	1,489	-1,151	0	1,151	
	429+43 - 435+82	1-14	USH 10	STAGE 1	96	0	96	834	1,084	-987	0	987	
	437+20 - 521+88	1-15	USH 10	STAGE 1	1,670	0	1,670	6,433	8,362	-6,692	0	6,692	
	523+16 - 527+19	1-16	USH 10	STAGE 1	89	0	89	203	264	-175	0	175	
	544+34 - 552+37	1-17	USH 10	STAGE 1	245	0	245	717	933	-688	0	688	
	0+20'S' - 3+06'S'	1-18	190TH STREET	STAGE 1	68	0	68	138	180	-112	0	112	
			DIV 1 SUBTOTAL		7,508	0	7,508	18,897	24,566	-17,058	205	17,264	
	1530-05-72 PROJECT TOTALS				**7,508**							**17,264**	

Note 1) Salvaged/Unusable Pavement Material is included in Cut.
Note 2) Available Material = Cut - Salvaged/Unusable Pavement Material
Note 3) Expanded Fill Factor = 1.30
Note 4) The Mass Ordinate + or - Qty calculated for the Division.
Positive quantity indicates an excess of material within the Division.
Negative indicates a shortage of material within the Division.
Mass Ordinate = Available Material - Expanded Fill
Note 5) Waste = Positive Division Mass Ordinate
Note 6) Unexpanded Fill = Unexpanded Fill from individual Earthwork tables
Note 7) It was assumed that any excess material used as Fill between Divisions would be counted as Borrow.

SHAPING SHOULDERS

LOCATION	STATION - STATION		305.0500 SHAPING SHOULDERS (STA)
PROJECT 1530-05-72			
CATEGORY 0010			
S.O.P - 320TH ST	8+00	118+00	142
320TH ST - CTH CC	118+00	213+00	168
CTH CC - QUARRY RD	213+00	326+00	187
QUARRY RD - 280TH AVE	326+00	437+00	135
280TH AVE - EOP	437+00	576+00	156
190TH STREET	0+20'S'	3+06'S'	4
CATEGORY 0010 TOTALS			792
CATEGORY 0020			
PARK & RIDE	-		5
CATEGORY 0020 TOTALS			5
1530-05-72 PROJECT TOTALS			**797**

RUMBLE STRIPS

LOCATION	STATION - STATION	465.0425 ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 1 (LF)	465.0425 ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL TYPE 2 (LF)	465.0475 ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL (LF)
PROJECT 1530-05-72				
CATEGORY 0010				
S.O.P - 320TH ST	STA. 07+96 - STA. 118+00	9,766	5,850	8,836
320TH ST - CTH CC	STA. 118+00 - STA. 213+00	13,432	--	7,882
CTH CC - QUARRY RD	STA. 213+00 - STA. 326+00	13,788	1,773	9,471
QUARRY RD - 280TH AVE	STA. 326+00 - STA. 437+00	10,895	3,840	8,500
280TH AVE - EOP	STA. 437+00 - STA. 575+98	14,417	6,642	12,331
1530-05-72 PROJECT TOTALS		**80,402**		**47,020**

REHEATING HMA PAVEMENT LONGITUDINAL JOINTS

LOCATION	STATION - STATION		460.4110.S REHEATING HMA PAVEMENT LONGITUDINAL JOINTS (LF)
PROJECT 1530-05-72			
CATEGORY 0010			
S.O.P - 320TH ST	8+00	118+00	21,882
320TH ST - CTH CC	118+00	213+00	19,000
CTH CC - QUARRY RD	213+00	326+00	22,600
QUARRY RD - 280TH AVE	326+00	437+00	21,300
280TH AVE - EOP	437+00	576+00	27,796
190TH ST	0+20'S'	3+06'S'	572
1530-05-72 PROJECT TOTALS			**113,150**

ASPHALTIC FLUMES

LOCATION	STATION	O/S	465.0315 ASPHALTIC FLUMES (SY)
PROJECT 1530-05-72			
CATEGORY 0010			
S.O.P - 320TH ST	47+18	LT	6
S.O.P - 320TH ST	50+72	LT	8
S.O.P - 320TH ST	54+22	LT	8
S.O.P - 320TH ST	57+72	LT	7
S.O.P - 320TH ST	61+22	LT	7
S.O.P - 320TH ST	64+72	LT	7
S.O.P - 320TH ST	68+22	LT	8
S.O.P - 320TH ST	77+67	RT	5
QUARRY RD - 280TH AVE	349+27	RT	8
QUARRY RD - 280TH AVE	352+77	RT	8
QUARRY RD - 280TH AVE	356+27	RT	7
QUARRY RD - 280TH AVE	359+82	RT	6
QUARRY RD - 280TH AVE	362+41	LT	7
QUARRY RD - 280TH AVE	365+91	LT	4
QUARRY RD - 280TH AVE	366+80	RT	8
QUARRY RD - 280TH AVE	370+30	RT	8
QUARRY RD - 280TH AVE	373+80	RT	8
QUARRY RD - 280TH AVE	377+30	RT	8
QUARRY RD - 280TH AVE	380+80	RT	6
280TH AVE - EOP	437+16	LT	5
280TH AVE - EOP	440+70	LT	8
280TH AVE - EOP	444+20	LT	8
280TH AVE - EOP	446+06	RT	6
280TH AVE - EOP	447+70	LT	8
280TH AVE - EOP	449+60	RT	8
280TH AVE - EOP	451+20	LT	8
280TH AVE - EOP	453+10	RT	8
280TH AVE - EOP	454+70	LT	8
280TH AVE - EOP	456+60	RT	8
280TH AVE - EOP	458+20	LT	8
280TH AVE - EOP	464+15	LT	5
280TH AVE - EOP	467+70	LT	8
280TH AVE - EOP	471+20	LT	8
280TH AVE - EOP	474+70	LT	8
280TH AVE - EOP	478+20	LT	8
280TH AVE - EOP	481+70	LT	8
280TH AVE - EOP	485+20	LT	7
280TH AVE - EOP	488+70	LT	7
280TH AVE - EOP	492+20	LT	7
280TH AVE - EOP	495+70	LT	7
280TH AVE - EOP	499+20	LT	7
280TH AVE - EOP	502+70	LT	8
280TH AVE - EOP	506+20	LT	8
280TH AVE - EOP	509+70	LT	8
280TH AVE - EOP	513+20	LT	7
280TH AVE - EOP	516+70	LT	7
UNDISTRIBUTED			28
1530-05-72 PROJECT TOTALS			**375**

3

BASE AGGREGATE

LOCATION	STATION - STATION		305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)
PROJECT 1530-05-72				
CATEGORY 0010				
S.O.P - 320TH ST	8+00	13+00	60	682
S.O.P - 320TH ST	32+00	34+75	37	366
S.O.P - 320TH ST	35+50	38+00	32	336
S.O.P - 320TH ST	42+00	43+00	-	74
S.O.P - 320TH ST	44+65	45+80	-	96
S.O.P - 320TH ST	46+00	73+25	92	1,618
S.O.P - 320TH ST	76+00	83+50	98	991
S.O.P - 320TH ST	87+40	91+75	29	325
S.O.P - 320TH ST	104+00	104+50	-	28
320TH ST - CTH CC	182+25	191+25	111	1,037
CTH CC - QUARRY RD	214+20	214+45	-	10
CTH CC - QUARRY RD	229+21	229+46	8	81
CTH CC - QUARRY RD	251+18	251+43	8	81
CTH CC - QUARRY RD	271+95	272+25	-	13
CTH CC - QUARRY RD	285+50	296+00	86	1,226
CTH CC - QUARRY RD	311+25	320+00	85	951
QUARRY RD - 280TH AVE	344+25	361+25	34	759
QUARRY RD - 280TH AVE	363+50	399+25	103	2,236
QUARRY RD - 280TH AVE	405+25	416+60	60	663
QUARRY RD - 280TH AVE	417+45	417+95	-	25
QUARRY RD - 280TH AVE	418+95	419+30	-	29
QUARRY RD - 280TH AVE	429+50	436+50	16	461
280TH AVE - EOP	437+20	522+50	68	4,175
280TH AVE - EOP	522+50	527+25	32	387
280TH AVE - EOP	544+25	552+50	44	663
190TH STREET	0+20'S'	3+06'S'	19	160
UNDISTRIBUTED			58	877
			1,080	**18,350**

HMA PAVEMENT

LOCATION	STATION - STATION		OFFSET	455.0605 TACK COAT (GAL)	460.6644 HMA PAVEMENT 4 MT 58-34 V (TON)	465.0105 ASPHALTIC SURFACE (TON)	465.0110 ASPHALTIC SURFACE PATCHING (TON)	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (TON)	465.0310 ASPHALTIC CURB (LF)
PROJECT 1530-05-72									
CATEGORY 0010									
S.O.P - 320TH ST	8+13	34+70	--	712	1,817	--	--	--	--
S.O.P - 320TH ST	34+70	47+22	--	405	941	--	--	85	--
S.O.P - 320TH ST	47+22	72+00	LT	887	2,265	--	--	--	2,481
S.O.P - 320TH ST	72+00	77+71	--	185	472	--	--	--	--
S.O.P - 320TH ST	77+71	80+78	RT	127	324	--	--	--	306
S.O.P - 320TH ST	80+78	117+69	--	1,237	3,111	--	--	41	--
320TH ST - CTH CC	117+69	212+50	--	2,374	6,062	--	--	--	--
CTH CC - QUARRY RD	212+50	325+90	--	3,180	8,118	--	--	11	--
QUARRY RD - 280TH AVE	325+90	345+51	--	626	1,598	--	--	--	--
QUARRY RD - 280TH AVE	345+51	359+76	RT	499	1,275	--	--	--	1,418
QUARRY RD - 280TH AVE	359+76	364+59	--	153	390	--	--	--	--
QUARRY RD - 280TH AVE	364+59	380+80	RT	603	1,540	--	--	--	1,606
QUARRY RD - 280TH AVE	380+80	437+20	--	1,717	4,335	--	--	43	--
280TH AVE - EOP	437+20	521+88	LT	2,733	6,978	--	--	--	8,480
280TH AVE - EOP	446+10	458+78	RT	--	--	--	--	--	1,269
280TH AVE - EOP	521+88	575+98	--	1,794	4,592	--	--	--	--
LANE REPAIR	UNDISTRIBUTED			1,120	--	2,640	--	--	--
LEVELING & WEDGING	UNDISTRIBUTED			--	--	1,500	--	--	--
MINOR REPAIRS	UNDISTRIBUTED			--	--	--	50	--	--
CATEGORY 0010 TOTALS				**18,352**	**43,818**	**4,140**	**50**	**180**	**15,560**
CATEGORY 0020									
PARK & RIDE	--		--	68	106	--	--	--	--
CATEGORY 0020 TOTALS				**68**	**106**	**--**	**--**	**--**	**--**
1530-05-72 PROJECT TOTALS				**18,420**	**43,924**	**4,140**	**50**	**180**	**15,560**

CONCRETE COLLARS FOR PIPE

LOCATION	STATION	520.8000 CONCRETE COLLARS FOR PIPE (EACH)	NOTE
PROJECT 1530-05-72			
CATEGORY 0010			
CTH CC - QUARRY RD	229+32	1	CUVLERT REPLACEMENT
CTH CC - QUARRY RD	251+29	1	CUVLERT REPLACEMENT
CTH CC - QUARRY RD	315+44	1	CUVLERT REPLACEMENT
280TH AVE - EOP	522+16	1	CULVERT EXTENSION
280TH AVE - EOP	522+74	1	CULVERT EXTENSION
280TH AVE - EOP	549+39	1	CUVLERT REPLACEMENT
1530-05-72 PROJECT TOTALS		**6**	

CULVERT PIPE

INLET STATION	INLET OFFSET	INLET ELEVATION	OUTLET STATION	OUTLET OFFSET	OUTLET ELEVATION	SKEW	SLOPE %	520.8700 CLEANING CULVERT PIPES (EACH)	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH (EACH)	521.1030 APRON ENDWALLS FOR CULVERT PIPE STEEL 30-INCH (EACH)	521.1036 APRON ENDWALLS FOR CULVERT PIPE STEEL 36-INCH (EACH)	521.3136 CULVERT PIPE CORRUGATED STEEL 36-INCH (LF)	522.0142 CULVERT PIPE REINFORCED CONCRETE CLASS III 42-INCH (LF)	522.0148 CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH (LF)	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH (LF)	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH (EACH)	522.0148 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH (EACH)	611.9800 .001 PIPE GRATES 42-INCH (EACH)	611.9800 .002 PIPE GRATES 48-INCH (EACH)	633.5200 MARKERS CULVERT END (EACH)
PROJECT 1530-05-72																					
CATEGORY 0010																					
111+67	28.2' LT	1078.98	111+67	64.4' RT	1072.31	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	2
135+29	40.9' RT	1090.81	134+84	69.0' LT	1084.49	21.82° RHF	--	--	--	2	--	--	--	--	--	--	--	--	--	--	2
184+81	33.5' RT	1102.36	184+99	32.6' LT	1100.02	15.66° LHF	--	--	2	--	--	--	--	--	--	--	--	--	--	--	2
229+31	30.0' LT	1120.05	229+31	42.5' RT	1116.05	--	5.48%	--	--	--	--	--	73	--	--	--	2	--	2	--	2
251+29	30.8' LT	1159.84	251+29	51.4' RT	1153.27	--	7.92%	--	--	--	--	--	83	--	--	--	2	--	2	--	2
315+44	48.0' LT	1131.38	315+44	41.6' RT	1129.21	--	2.43%	--	--	--	--	--	--	90	--	--	--	2	--	2	2
522+16	71.3' LT	1083.14	522+04	71.8' LT	1082.36	--	6.78%	--	--	--	1	12	--	--	--	--	--	--	--	--	--
522+79	69.8' LT	1087.29	522+74	69.5' LT	1086.94	--	7.00%	--	--	--	1	5	--	--	--	--	--	--	--	--	--
549+40	29.1' RT	1125.75	549+37	26.5' LT	1124.54	2.64° RHF	2.17%	--	--	--	--	--	--	--	56	2	--	--	--	--	2
UNDISTRIBUTED								10	0	0	0	0	0	0	0	0	0	0	0	0	0
1530-05-72 PROJECT TOTALS								**10**	**2**	**4**	**2**	**17**	**156**	**90**	**56**	**2**	**4**	**2**	**4**	**2**	**14**

CONCRETE CURB & GUTTER

LOCATION	STATION - STATION		601.0557 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D (LF)
PROJECT 1530-05-72			
CATEGORY 0010			
QUARRY RD - 280TH AVE	357+92	365+91	800
UNDISTRIBUTED			100
1530-05-72 PROJECT TOTALS			**900**

CONCRETE BARRIER TEMPORARY PRECAST

LOCATION	STATION - STATION		603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED (LF)	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED (LF)	NOTE
PROJECT 1530-05-72					
CATEGORY 0010					
CTH CC - QUARRY RD	228+00	230+65	275	550	CUVLERT REPLACEMENT
CTH CC - QUARRY RD	249+97	252+62	275	550	CUVLERT REPLACEMENT
CTH CC - QUARRY RD	314+11	316+77	450	900	CUVLERT REPLACEMENT
280TH AVE - EOP	548+06	550+71	400	800	CUVLERT REPLACEMENT
1530-05-72 PROJECT TOTALS			**1,400**	**2,800**	

TEMPORARY SHORING

LOCATION	STATION	511.1100 TEMPORARY SHORING (SF)	NOTE
PROJECT 1530-05-72			
CATEGORY 0010			
CTH CC - QUARRY RD	229+32	546	CULVERT REPLACEMENT
CTH CC - QUARRY RD	251+29	656	CULVERT REPLACEMENT
CTH CC - QUARRY RD	315+44	774	CULVERT REPLACEMENT
1530-05-72 PROJECT TOTALS		**1,976**	

BEAM GUARD

LOCATION	STATION - STATION		O/S	614.2300 MGS GUARDRAIL 3 (LF)	614.2330 MGS GUARDRAIL 3 K (LF)	614.2350 MGS GUARDRAIL SHORT RADIUS (LF)	614.2610 MGS GUARDRAIL TERMINAL EAT (EACH)	614.2630 MGS GUARDRAIL SHORT RADIUS TERMINAL (EACH)	614.2500 MGS THRIE BEAM TRANSITION (LF)	NOTE
PROJECT 1530-05-72										
CATEGORY 0010										
S.O.P - 320TH ST	8+00	10+47	LT	150.0	-	-	1	-	40	-
S.O.P - 320TH ST	8+09	11+60	RT	262.5	-	-	1	-	40	-
S.O.P - 320TH ST	33+13	34+70	LT	62.5	-	-	1	-	40	-
S.O.P - 320TH ST	33+16	34+70	RT	62.5	-	-	1	-	40	-
S.O.P - 320TH ST	35+32	36+89	LT	62.5	-	-	1	-	40	-
S.O.P - 320TH ST	35+32	36+86	RT	62.5	-	-	1	-	40	-
S.O.P - 320TH ST	47+22	72+00	LT	175.0	2,150.0	-	2	-	-	-
S.O.P - 320TH ST	55+97	57+96	RT	87.5	-	-	2	-	-	-
S.O.P - 320TH ST	77+46	80+80	LT	200.0	25.0	-	2	-	-	-
S.O.P - 320TH ST	77+71	80+78	RT	100.0	50.0	-	2	-	-	-
S.O.P - 320TH ST	87+91	90+25	LT	178.1	12.5	50.0	1	1	-	20' RADIUS, 8 CRT POSTS
320TH ST - CTH CC	183+45	189+93	LT	400.0	137.5	-	2	-	-	-
320TH ST - CTH CC	185+31	189+79	RT	287.5	50.0	-	2	-	-	-
CTH CC - QUARRY RD	286+32	294+55	RT	512.5	200.0	-	2	-	-	-
CTH CC - QUARRY RD	286+88	292+31	LT	287.5	200.0	75.0	2	-	-	50' RADIUS, 12 CRT POSTS
CTH CC - QUARRY RD	312+20	317+55	RT	400.0	25.0	-	2	-	-	-
CTH CC - QUARRY RD	313+45	318+80	LT	400.0	25.0	-	2	-	-	-
QUARRY RD - 280TH AVE	345+51	359+76	RT	787.5	475.0	-	2	-	-	-
QUARRY RD - 280TH AVE	364+59	380+80	RT	725.0	725.0	-	2	-	-	-
QUARRY RD - 280TH AVE	375+21	397+75	LT	678.1	1,575.0	25.0	1	1	-	15' RADIUS, 4 CRT POSTS
QUARRY RD - 280TH AVE	406+65	415+10	LT	50.0	675.0	-	2	-	-	-
QUARRY RD - 280TH AVE	429+43	436+41	LT	637.5	-	87.5	-	-	-	60' RADIUS, 14 CRT POSTS
280TH AVE - EOP	446+10	458+78	RT	1,112.5	-	-	2	-	-	-
280TH AVE - EOP	467+88	470+66	RT	203.1	25.0	50.0	-	1	-	25' RADIUS, 8 CRT POSTS
280TH AVE - EOP	437+20	463+36	LT	-	2,550.0	87.5	1	-	-	45' RADIUS, 14 CRT POSTS
280TH AVE - EOP	463+83	521+88	LT	1,790.6	3,987.5	50.0	1	1	-	35' RADIUS, 8 CRT POSTS
280TH AVE - EOP	522+57	525+73	LT	228.1	-	62.5	1	1	-	50' RADIUS, 10 CRT POSTS
280TH AVE - EOP	544+58	550+93	LT	275.0	250.0	-	2	-	-	-
1530-05-72 PROJECT TOTALS				**10,178.1**	**13,137.50**	**487.5**	**41**	**5**	**240**	

MOW STRIPS

LOCATION	STATION - STATION		OFFSET	614.0396 GUARDRAIL MOW STRIP ASPHALT (SY)
PROJECT 1530-05-72				
CATEGORY 0010				
S.O.P - 320TH ST	8+00	10+47	LT	102
S.O.P - 320TH ST	8+09	11+60	RT	145
S.O.P - 320TH ST	33+13	34+70	LT	61
S.O.P - 320TH ST	33+16	34+70	RT	61
S.O.P - 320TH ST	35+32	36+89	LT	61
S.O.P - 320TH ST	35+32	36+86	RT	61
S.O.P - 320TH ST	55+97	57+96	RT	89
S.O.P - 320TH ST	77+46	80+80	LT	143
S.O.P - 320TH ST	87+91	90+25	LT	139
320TH ST - CTH CC	183+45	189+93	LT	240
320TH ST - CTH CC	185+31	189+79	RT	175
CTH CC - QUARRY RD	286+32	294+55	RT	324
CTH CC - QUARRY RD	286+88	292+31	LT	216
CTH CC - QUARRY RD	312+20	317+55	RT	215
CTH CC - QUARRY RD	313+45	318+80	LT	215
QUARRY RD - 280TH AVE	375+21	397+75	LT	591
QUARRY RD - 280TH AVE	406+65	415+10	LT	189
QUARRY RD - 280TH AVE	429+43	436+41	LT	301
280TH AVE - EOP	467+86	470+66	RT	100
280TH AVE - EOP	436+73	437+20	LT	47
280TH AVE - EOP	521+88	522+33	LT	44
280TH AVE - EOP	522+57	525+73	LT	157
280TH AVE - EOP	544+58	550+93	LT	258
190TH STREET	0+40'S'	1+67'S'	LT	55
PROJECT 1530-05-72 TOTALS				**3,989**

WATER

TASK	624.0100 WATER (MGAL)
PROJECT 1530-05-72	
CATEGORY 0010	
DUST CONTROL	327
COMPACTION	327
	654

MOBILIZATIONS EROSION CONTROL

LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL (EACH)	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)
PROJECT 1530-05-72		
CATEGORY 0010		
PROJECT	8	4
1530-05-72 PROJECT TOTALS	**8**	**4**

EROSION CONTROL AT FLUMES

LOCATION	STATION	O/S	628.2004* EROSION MAT CLASS I TYPE B (SY)	628.2039** EROSION MAT CLASS III TYPE D (SY)
PROJECT 1530-05-72				
CATEGORY 0010				
S.O.P - 320TH ST	47+18	LT	15	-
S.O.P - 320TH ST	50+72	LT	-	6
S.O.P - 320TH ST	54+22	LT	-	11
S.O.P - 320TH ST	57+72	LT	-	7
S.O.P - 320TH ST	61+22	LT	-	4
S.O.P - 320TH ST	64+72	LT	-	4
S.O.P - 320TH ST	68+22	LT	-	5
S.O.P - 320TH ST	77+67	RT	9	-
QUARRY RD - 280TH AVE	349+27	RT	4	-
QUARRY RD - 280TH AVE	352+77	RT	9	-
QUARRY RD - 280TH AVE	356+27	RT	-	4
QUARRY RD - 280TH AVE	359+82	RT	7	-
QUARRY RD - 280TH AVE	362+41	LT	8	-
QUARRY RD - 280TH AVE	365+91	LT	8	-
QUARRY RD - 280TH AVE	366+80	RT	4	-
QUARRY RD - 280TH AVE	370+30	RT	-	10
QUARRY RD - 280TH AVE	373+80	RT	8	-
QUARRY RD - 280TH AVE	377+30	RT	-	6
QUARRY RD - 280TH AVE	380+80	RT	8	-
280TH AVE - EOP	437+16	LT	-	9
280TH AVE - EOP	440+70	LT	-	16
280TH AVE - EOP	444+20	LT	-	19
280TH AVE - EOP	446+06	RT	9	-
280TH AVE - EOP	447+70	LT	-	10
280TH AVE - EOP	449+60	RT	-	4
280TH AVE - EOP	451+20	LT	-	20
280TH AVE - EOP	453+10	RT	-	4
280TH AVE - EOP	454+70	LT	-	24
280TH AVE - EOP	456+60	RT	17	-
280TH AVE - EOP	458+20	LT	-	4
280TH AVE - EOP	464+15	LT	-	11
280TH AVE - EOP	467+70	LT	-	21
280TH AVE - EOP	471+20	LT	30	-
280TH AVE - EOP	474+70	LT	-	30
280TH AVE - EOP	478+20	LT	11	-
280TH AVE - EOP	481+70	LT	14	-
280TH AVE - EOP	485+20	LT	-	7
280TH AVE - EOP	488+70	LT	-	10
280TH AVE - EOP	492+20	LT	-	6
280TH AVE - EOP	495+70	LT	-	7
280TH AVE - EOP	499+20	LT	-	21
280TH AVE - EOP	502+70	LT	-	19
280TH AVE - EOP	506+20	LT	7	-
280TH AVE - EOP	509+70	LT	7	-
280TH AVE - EOP	513+20	LT	-	14
280TH AVE - EOP	516+70	LT	-	22
SUBTOTAL			175	335
UNDISTRIBUTED			45	85
1530-05-72 PROJECT TOTALS			**220**	**420**

*ADDITIONAL QUANTITY FOUND IN "EROSION CONTROL AT ENDWALLS" TABLE AND IN "EROSION CONTROL SLOPES AND DITCHES" TABLE
**ADDITIONAL QUANTITY FOUND IN "EROSION CONTROL SLOPES AND DITCHES" TABLE

EROSION CONTROL AT ENDWALLS

LOCATION	STATION	O/S	606.0200 RIPRAP MEDIUM (CY)	628.1504*** SILT FENCE (LF)	628.1520*** SILT FENCE MAINTENANCE (LF)	628.2004* EROSION MAT CLASS I TYPE B (SY)	628.7010 INLET PROTECTION TYPE B (EACH)	628.7555 CULVERT PIPE CHECKS (EACH)	645.0120 GEOTEXTILE TYPE HR (SY)	NOTE
PROJECT 1530-05-72										
CATEGORY 0010										
S.O.P - 320TH ST	78+22	LT	-	40	120	-	-	-	-	EXISTING 5' X 6' BOX CULVERT
S.O.P - 320TH ST	79+35	LT	-	40	120	-	-	7	-	ASSUME 36-INCH EXISTING ENDWALL
S.O.P - 320TH ST	79+35	RT	-	40	120	-	-	24	-	EXISTING 5' X 6' BOX CULVERT
S.O.P - 320TH ST	88+12	LT	-	40	120	-	-	18	-	EXISTING 4 'X 7' BOX CULVERT
S.O.P - 320TH ST	111+66	RT	-	40	120	6	-	-	-	PROPOSED 30-INCH ENDWALL
S.O.P - 320TH ST	111+66	LT	-	40	120	-	-	5	-	PROPOSED 30-INCH ENDWALL
320TH ST - CTH CC	134+85	LT	-	40	120	6	-	-	-	PROPOSED 30-INCH ENDWALL
320TH ST - CTH CC	135+28	RT	-	40	120	-	-	5	-	PROPOSED 30-INCH ENDWALL
320TH ST - CTH CC	184+81	RT	-	40	120	-	-	3	-	PROPOSED 24-INCH ENDWALL
320TH ST - CTH CC	184+99	LT	-	40	120	5	-	-	-	PROPOSED 24-INCH ENDWALL
320TH ST - CTH CC	187+41	LT	-	40	120	-	-	30	-	REPAIRING 7' X 7' BOX CULVERT
320TH ST - CTH CC	187+41	RT	-	40	120	-	-	-	-	REPAIRING 7' X 7' BOX CULVERT
320TH ST - CTH CC	189+84	RT	-	40	120	-	-	-	-	ASSUME 24-INCH EXISTING ENDWALL
320TH ST - CTH CC	190+01	LT	-	40	120	-	-	-	-	ASSUME 24-INCH EXISTING ENDWALL
320TH ST - CTH CC	190+06	RT	-	40	120	-	-	3	-	ASSUME 24-INCH EXISTING ENDWALL
320TH ST - CTH CC	190+24	LT	-	40	120	-	-	3	-	ASSUME 24-INCH EXISTING ENDWALL
CTH CC - QUARRY RD	229+30	RT	7	40	120	-	-	-	19	PROPOSED 42-INCH ENDWALL
CTH CC - QUARRY RD	229+33	LT	-	40	120	-	-	8	-	PROPOSED 42-INCH ENDWALL
CTH CC - QUARRY RD	251+27	RT	7	40	120	-	-	-	19	PROPOSED 42-INCH ENDWALL
CTH CC - QUARRY RD	251+30	LT	-	40	120	-	-	8	-	PROPOSED 42-INCH ENDWALL
CTH CC - QUARRY RD	290+28	LT	-	40	120	-	-	-	-	EXISTING 9' X 7' BOX CULVERT
CTH CC - QUARRY RD	290+57	RT	-	40	120	-	-	36	-	EXISTING 9' X 7' BOX CULVERT
CTH CC - QUARRY RD	315+44	LT	-	40	120	-	-	10	-	PROPOSED 48-INCH ENDWALL
CTH CC - QUARRY RD	315+44	RT	14	40	120	-	-	-	39	PROPOSED 48-INCH ENDWALL
QUARRY RD - 280TH AVE	347+24	RT	-	40	120	-	-	-	-	ASSUME 36" EXISTING ENDWALL
QUARRY RD - 280TH AVE	366+08	LT	-	40	120	-	1	-	-	ASSUME EXISTING MEDIAN GRATE
QUARRY RD - 280TH AVE	366+36	RT	-	40	120	-	-	-	-	EXISTING 30" ENDWALL
QUARRY RD - 280TH AVE	388+61	LT	-	40	120	-	-	-	-	EXISTING 24" ENDWALL
QUARRY RD - 280TH AVE	399+67	LT	-	40	120	-	-	-	-	ASSUME 5' X 5' EXISTING BOX CULVERT
QUARRY RD - 280TH AVE	409+84	LT	-	40	120	-	-	-	-	ASSUME 36-INCH EXISTING ENDWALL
QUARRY RD - 280TH AVE	414+25	LT	-	40	120	-	-	-	-	ASSUME 6' X 3' EXISTING BOX CULVERT
QUARRY RD - 280TH AVE	416+25	LT	-	40	120	-	-	3	-	ASSUME 24-INCH EXISTING ENDWALL
QUARRY RD - 280TH AVE	416+55	LT	-	40	120	-	-	-	-	ASSUME 24-INCH EXISTING ENDWALL
QUARRY RD - 280TH AVE	436+20	LT	-	40	120	-	-	-	-	EXISTING 16' X 6' BOX CULVERT
QUARRY RD - 280TH AVE	436+98	LT	-	40	120	-	-	66	-	EXISTING 16' X 6' BOX CULVERT
280TH AVE - EOP	447+22	LT	-	40	120	-	-	-	-	ASSUME 36-INCH EXISTING ENDWALL
280TH AVE - EOP	447+50	LT	-	40	120	-	-	7	-	ASSUME 36-INCH EXISTING ENDWALL
280TH AVE - EOP	455+92	LT	-	40	120	-	-	-	-	ASSUME 4' X 6' EXISTING BOX CULVERT
280TH AVE - EOP	455+92	RT	-	40	120	-	-	18	-	ASSUME 4' X 6' EXISTING BOX CULVERT
280TH AVE - EOP	469+48	RT	-	40	120	-	-	-	-	ASSUME 36-INCH EXISTING ENDWALL
280TH AVE - EOP	469+60	LT	-	40	120	-	-	7	-	ASSUME 36-INCH EXISTING ENDWALL
280TH AVE - EOP	481+78	LT	-	40	120	-	-	-	-	30-INCH EXISTING ENDWALL
280TH AVE - EOP	522+04	LT	8	40	120	-	-	-	25	PROPOSED 36-INCH ENDWALL
280TH AVE - EOP	522+79	LT	-	40	120	-	-	7	-	PROPOSED 36-INCH ENDWALL
280TH AVE - EOP	545+40	LT	-	40	120	-	-	24	-	6' X 8' EXISTING BOX CULVERT
280TH AVE - EOP	549+37	LT	-	40	120	5	-	-	-	PROPOSED 24-INCH ENDWALL
280TH AVE - EOP	549+40	RT	-	40	120	-	-	3	-	PROPOSED 24-INCH ENDWALL
SUBTOTAL			37	1,880	5,640	22	1	295	102	
UNDISTRIBUTED			9	470	1410	8	0	74	28	
1530-05-72 PROJECT TOTALS			**46**	**2,350**	**7,050**	**30**	**1**	**369**	**130**	

*ADDITIONAL QUANTITY FOUND IN "EROSION CONTROL AT FLUMES" TABLE AND IN "EROSION CONTROL SLOPES AND D
***ADDITIONAL QUANTITY FOUND IN "EROSION CONTROL SLOPES AND DITCHES" TABLE

3

EROSION CONTROL SLOPES AND DITCHES

LOCATION	STATION - STATION		628.1504*** SILT FENCE (LF)	628.1520*** SILT FENCE MAINTENANCE (LF)	628.2004* EROSION MAT CLASS I TYPE B (SY)	628.2008 EROSION MAT URBAN CLASS I TYPE B (SY)	628.2039** EROSION MAT CLASS III TYPE D (SY)	628.7504 TEMPORARY DITCH CHECKS (LF)	628.7560 TRACKING PADS (EACH)
PROJECT 1530-05-72									
CATEGORY 0010									
S.O.P - 320TH ST	7+96	13+02	983	2,949	620	503	-	-	2
S.O.P - 320TH ST	32+07	37+96	1,209	3,627	-	1,318	-	-	4
S.O.P - 320TH ST	46+00	73+21	2,572	7,716	1,318	-	1,902	240	2
S.O.P - 320TH ST	76+02	83+36	244	732	1,119	-	251	340	2
S.O.P - 320TH ST	87+88	91+70	-	-	637	-	95	80	1
320TH ST - CTH CC	182+31	191+23	394	1,182	2,519	-	998	190	2
CTH CC - QUARRY RD	229+15	229+45	-	-	131	-	-	-	2
CTH CC - QUARRY RD	251+15	251+40	-	-	158	-	-	-	2
CTH CC - QUARRY RD	284+88	296+03	703	2,109	2,460	-	2,226	140	3
CTH CC - QUARRY RD	311+20	319+95	574	1,722	856	-	1,666	80	2
QUARRY RD - 280TH AVE	344+30	399+16	2,662	7,986	4,463	-	2,824	330	4
QUARRY RD - 280TH AVE	405+20	416+27	815	2,445	2,277	-	-	-	1
280TH AVE - EOP	429+43	527+19	4,847	14,541	9,855	-	8,921	310	7
280TH AVE - EOP	544+30	552+37	266	798	476	-	984	-	2
SUBTOTAL			15,269	45,807	26,889	1,821	19,867	1,710	36
UNDISTRIBUTED			3,831	11,493	6,811	479	5,033	430	9
1530-05-72 PROJECT TOTALS			**19,100**	**57,300**	**33,700**	**2,300**	**24,900**	**2,140**	**45**

*ADDITIONAL QUANTITY FOUND IN "EROSION CONTROL AT ENDWALLS" TABLE AND IN "EROSION CONTROL AT FLUMES" TABLE
**ADDITIONAL QUANTITY FOUND IN "EROSION CONTROL AT FLUMES" TABLE
***ADDITIONAL QUANTITY FOUND IN "EROSION CONTROL AT ENDWALLS" TABLE

LANDSCAPING

LOCATION	STATION - STATION		625.0500 SALVAGED TOPSOIL (SY)	627.0200 MULCHING (SY)	628.6505 SOIL STABILIZER TYPE A (ACRE)	629.0205 FERTILIZER TYPE A (CWT)	630.0120 SEEDING MIXTURE NO. 20 (LB)	630.0130 SEEDING MIXTURE NO. 30 (LB)
PROJECT 1530-05-72								
CATEGORY 0010								
S.O.P - 320TH ST	7+96	13+02	1,123	-	-	1.1	31	13
S.O.P - 320TH ST	32+07	37+96	1,318	-	-	1.5	36	28
S.O.P - 320TH ST	46+00	73+21	3,220	-	0.4	2.4	87	13
S.O.P - 320TH ST	76+02	83+36	1,369	-	0.1	1.3	37	17
S.O.P - 320TH ST	87+88	91+70	731	-	0.1	0.6	20	5
320TH ST - CTH CC	182+31	191+23	3,516	-	0.3	2.8	95	23
CTH CC - QUARRY RD	229+15	229+45	131	-	-	0.2	4	2
CTH CC - QUARRY RD	251+15	251+40	158	-	-	0.2	5	1
CTH CC - QUARRY RD	284+88	296+03	4,686	-	0.5	3.6	127	24
CTH CC - QUARRY RD	311+20	319+95	2,522	-	0.4	2.1	69	20
QUARRY RD - 280TH AVE	344+30	399+16	7,286	-	0.6	5.4	197	34
QUARRY RD - 280TH AVE	405+20	416+27	2,277	-	-	1.9	62	17
280TH AVE - EOP	429+43	527+19	18,776	-	1.9	12.5	507	27
280TH AVE - EOP	544+30	552+37	1,460	-	0.3	1.2	40	10
SUBTOTAL			48,573	-	4.6	36.8	1,317	234
UNDISTRIBUTED			12,227	2,500	2.4	9.6	333	66
1530-05-72 PROJECT TOTALS			**60,800**	**2,500**	**7.0**	**47.0**	**1,650**	**300**

TRAFFIC CONTROL

LOCATION	# OF DAYS	643.0300 TRAFFIC CONTROL DRUMS (DAYS)	643.0420 TRAFFIC CONTROL BARRICADES TYPE III (DAYS)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A (DAYS)	643.0900 TRAFFIC CONTROL SIGNS (DAYS)
PROJECT 1530-05-72					
CATEGORY 0010					
USH 10	123	71,832	--	--	8,241
CULVERT REPLACEMENTS	28	--	28	56	560
UNDISTRIBUTED		7,168	2	4	889
CATEGORY 0010 TOTALS		**79,000**	**30**	**60**	**9,690**
CATEGORY 0020					
PARK & RIDE	19	--	95	190	19
UNDISTRIBUTED		0	10	20	1
CATEGORY 0020 TOTALS		**0**	**105**	**210**	**20**
1530-05-72 PROJECT TOTALS		**79,000**	**135**	**270**	**9,710**

MOVING SIGNS

LOCATION	638.2102 MOVING SIGNS TYPE II (EACH)
PROJECT 1530-05-72	
CATEGORY 0010	
UNDISTRIBUTED	25
PROJECT 1530-05-72 TOTALS	**25**

TEMPORARY PAVEMENT MARKING

LOCATION	STATION - STATION	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (LF)	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) (LF)	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (LF)
PROJECT 1530-05-72				
CATEGORY 0010				
S.O.P - 320TH ST	STA. 07+96 - STA. 118+00	-	10,941	-
320TH ST - CTH CC	STA. 118+00 - STA. 213+00	-	9,500	-
CTH CC - QUARRY RD	STA. 213+00 - STA. 326+00	1,850	16,900	96
QUARRY RD - 280TH AVE	STA. 326+00 - STA. 437+00	-	10,650	-
280TH AVE - EOP	STA. 437+00 - STA. 575+98	925	16,698	48
UNDISTRIBUTED		25	111	6
1530-05-72 PROJECT TOTALS		**2,800**	**64,800**	**150**
		67,600		

3

PAVEMENT MARKING

LOCATION	STATION - STATION	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) (LF)	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH (DASHED WHITE) (LF)	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE) (LF)	646.4520 MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (LF)	646.4520 MARKING LINE SAME DAY EPOXY 4-INCH (DASHED YELLOW) (LF)	646.5220 MARKING SYMBOL EPOXY (WHITE) (EACH)	646.6120 MARKING STOP LINE EPOXY 18-INCH (LF)	646.7020 MARKING DIAGONAL EPOXY 6-INCH (WHITE) (LF)	646.8120 MARKING CURB EPOXY (YELLOW) (LF)	646.8220 MARKING ISLAND NOSE EPOXY (YELLOW) (EACH)	646.8320 MARKING PARKING STALL EPOXY (WHITE) (LF)
PROJECT 1530-05-72												
CATEGORY 0010												
S.O.P - 320TH ST	STA. 07+96 - STA. 118+00	21,319	1,814	--	19,711	733	--	--	--	--	--	--
320TH ST - CTH CC	STA. 118+00 - STA. 213+00	17,925	131	--	6,677	1,877	--	60	--	--	--	--
CTH CC - QUARRY RD	STA. 213+00 - STA. 326+00	21,480	689	200	14,855	1,296	--	--	--	--	--	--
QUARRY RD - 280TH AVE	STA. 326+00 - STA. 437+00	20,551	1,804	291	21,720	252	--	162	--	61	1	--
280TH AVE - EOP	STA. 437+00 - STA. 575+98	27,351	2,238	--	18,462	1,407	--	30	--	--	--	--
UNDISTRIBUTED		3,374	224	19	2,575	185	0	48	0	4	0	0
CATEGORY 0010 TOTALS		**112,000**	**6,900**	**510**	**84,000**	**5,750**	**0**	**300**	**0**	**65**	**1**	**0**
		118,900			**89,750**							
CATEGORY 0020												
PARK & RIDE		--	--	--			2	15	77	--	--	406
UNDISTRIBUTED		--	--	--			--	5	8	--	--	19
CATEGORY 0020 TOTALS		**0**	**0**	**0**	**0**	**0**	**2**	**20**	**85**	**0**	**0**	**425**
		0										
1530-05-72 PROJECT TOTALS		**118,900**		**510**	**89,750**		**2**	**320**	**85**	**65**	**1**	**425**

CLEANING DITCH

LOCATION	CULVERT STATION	O/S	SPV.0090.001 CLEANING DITCH (LF)
PROJECT 1530-05-72			
CATEGORY 0010			
S.O.P - 320TH ST	22+21	RT	50
S.O.P - 320TH ST	26+27	LT & RT	100
S.O.P - 320TH ST	57+12	LT & RT	100
S.O.P - 320TH ST	103+93	LT & RT	100
S.O.P - 320TH ST	104+79	LT & RT	100
S.O.P - 320TH ST	111+67	RT	50
320TH ST - CTH CC	135+12	LT & RT	100
320TH ST - CTH CC	142+15	LT	50
320TH ST - CTH CC	157+94	RT	50
CTH CC - QUARRY RD	315+44	LT & RT	100
1530-05-72 PROJECT TOTALS			**800**

LOCATE NO-PASSING ZONES

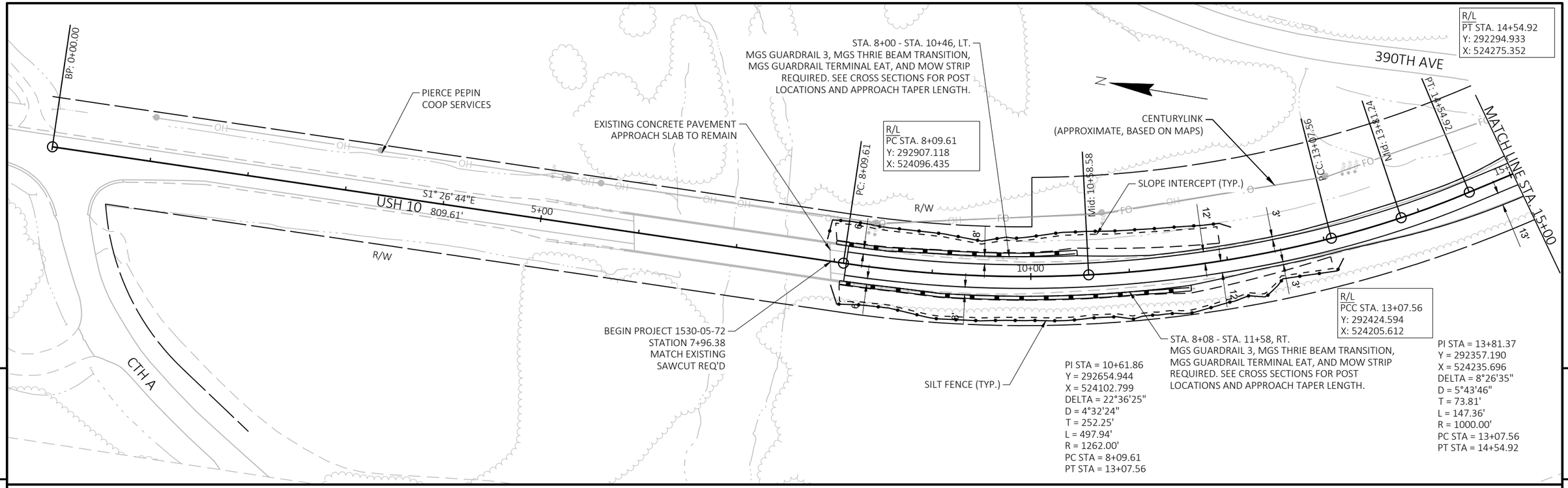
LOCATION	STATION - STATION		648.0100 LOCATE NO-PASSING ZONES (MI)
PROJECT 1530-05-72			
CATEGORY 0010			
S.O.P - 320TH ST	7+96	118+00	2.08
320TH ST - CTH CC	118+00	213+00	1.80
CTH CC - QUARRY RD	213+00	326+00	2.14
QUARRY RD - 280TH AVE	326+00	437+00	2.10
280TH AVE - EOP	437+00	575+98	2.63
1530-05-72 PROJECT TOTALS			**10.76**

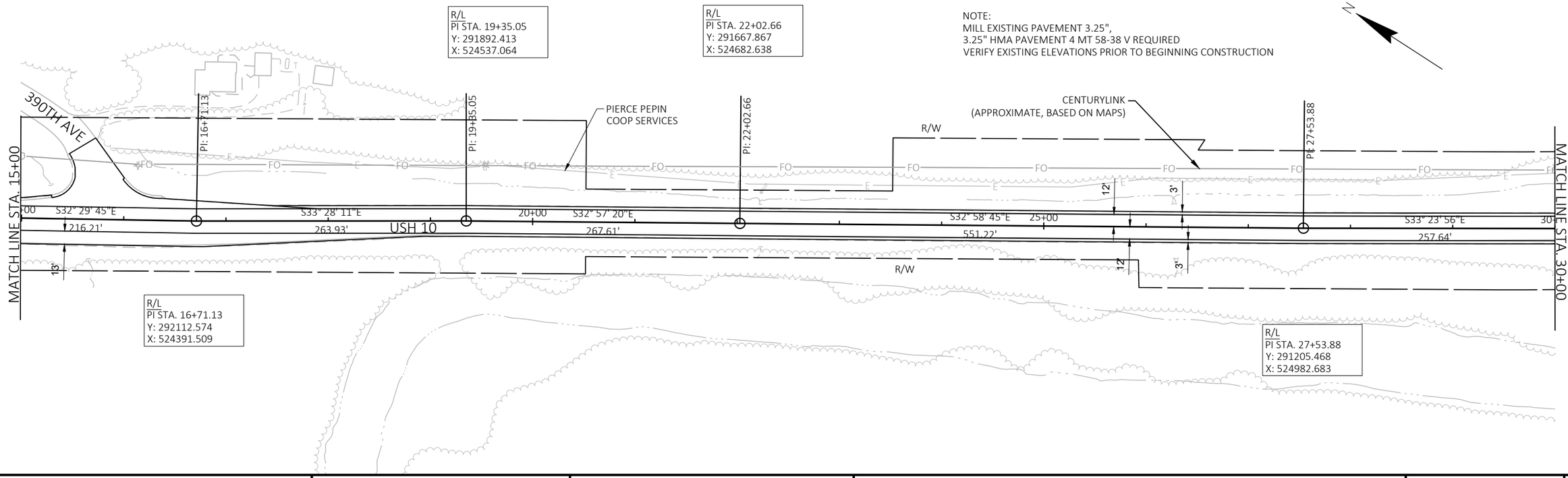
CONSTRUCTION STAKING

LOCATION	STATION - STATION		650.4500 CONSTRUCTION STAKING SUBGRADE (LF)	650.5000 CONSTRUCTION STAKING BASE (LF)	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB AND GUTTER (LF)	650.6000 CONSTRUCTION STAKING PIPE CULVERT (EACH)	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE (LF)	650.9920 CONSTRUCTION STAKING SLOPE STAKES (LF)
PROJECT 1530-05-72								
CATEGORY 0010								
S.O.P - 320TH ST	8+00	118+00	5,200	5,200	-	1	10,941	5,200
320TH ST - CTH CC	118+00	213+00	900	900	-	2	9,500	900
CTH CC - QUARRY RD	213+00	326+00	2,030	2,030	-	3	11,300	2,030
QUARRY RD - 280TH AVE	326+00	437+00	7,195	7,195	800	-	10,650	7,195
280TH AVE - EOP	437+00	576+00	9,830	9,830	-	1	13,898	9,830
190TH ST	0+20'S'	3+06'S'	286	286	-	-	286	286
CATEGORY 0010 TOTALS			**25,441**	**25,441**	**800**	**7**	**56,575**	**25,441**
CATEGORY 0020								
PARK & RIDE	--		-	-	-	-	165	-
CATEGORY 0020 TOTALS			**0**	**0**	**0**	**0**	**165**	**0**
1530-05-72 PROJECT TOTALS			**25,441**	**25,441**	**800**	**7**	**56,740**	**25,441**

SAWING

LOCATION	STATION - STATION	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)
PROJECT 1530-05-72			
CATEGORY 0010			
S.O.P - 320TH ST	0+00 - 118+00	270	-
320TH ST - CTH CC	118+00 - 213+00	155	-
CTH CC - QUARRY RD	213+00 - 326+00	240	210
QUARRY - 280TH	326+00 - 437+00	450	-
280TH - EOP	437+00 - 576+00	155	90
CATEGORY 0010 TOTALS		**1,270**	**300**
CATEGORY 0020			
PARK & RIDE		65	-
CATEGORY 0020 TOTALS		**65**	**0**
1530-05-72 PROJECT TOTALS		**1,335**	**300**





PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

STA. 33+15 - STA. 34+71, LT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION,
MGS GUARDRAIL TERMINAL EAT, AND MOW STRIP
REQUIRED. SEE CROSS SECTIONS FOR POST
LOCATIONS AND APPROACH TAPER LENGTH.

MATCH LINE STA. 30+00

PC: 30+11.52

ENVIRONMENTALLY
SENSITIVE AREA

PIERCE PEPIN
COOP SERVICES

STA. 34+70
MATCH EXISTING B-47-13

STA. 35+32
MATCH EXISTING B-47-13

STA. 35+30 - STA. 36+87, LT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION,
MGS GUARDRAIL TERMINAL EAT, AND MOW STRIP
REQUIRED. SEE CROSS SECTIONS FOR POST
LOCATIONS AND APPROACH TAPER LENGTH.

SILT FENCE (TYP.)

SLOPE INTERCEPT (TYP.)

PI STA = 39+24.15
Y = 290228.455
X = 525626.879
DELTA = 51°24'26"
D = 3°01'19"
T = 912.63'
L = 1701.14'
R = 1896.00'
PC STA = 30+11.52
PT STA = 47+12.66

CENTURYLINK
(APPROXIMATE, BASED ON MAPS)

STA 42+57, LT.
RESURFACE PE
HMA

R/L
PC STA. 30+11.52
Y: 290990.373
X: 525124.507

Mid: 38+62.09

35+00

40+00

USH 10

R/W

3'

12'

3'

12'

MATCH LINE STA. 45+00

STA. 33+18 - STA. 34+72, RT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION,
MGS GUARDRAIL TERMINAL EAT, AND MOW STRIP
REQUIRED. SEE CROSS SECTIONS FOR POST
LOCATIONS AND APPROACH TAPER LENGTH.

STA. 35+30 - STA. 36+84, RT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION,
MGS GUARDRAIL TERMINAL EAT, AND MOW STRIP
REQUIRED. SEE CROSS SECTIONS FOR POST
LOCATIONS AND APPROACH TAPER LENGTH.

330TH AVE

PIERCE PEPIN
COOP SERVICES

R/W

N

NOTE:
MILL EXISTING PAVEMENT 3.25",
3.25" HMA PAVEMENT 4 MT 58-38 V REQUIRED
VERIFY EXISTING ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION

STA. 47+47 - STA. 71+76, LT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION,
MGS GUARDRAIL TERMINAL EAT REQUIRED.
MGS GUARDRAIL 3 K FROM STA. 49+00 - STA. 70+42
SEE CROSS SECTIONS FOR POST
LOCATIONS AND APPROACH TAPER LENGTH.

STA 45+22, LT.
RESURFACE PE
HMA

DRIVEWAY CURB HEAD
IN FRONT OF BEAM
GUARD POST #3

SILT FENCE (TYP.)

R/L
PC STA. 51+37.88
Y: 290107.347
X: 526959.238

PT: 47+12.66

PC: 51+37.88

Mid: 54+53.28

STA. 47+22 - STA. 72+00, LT.
ASPHALTIC CURB

SLOPE INTERCEPT (TYP.)

PT: 57+68.69

R/L
PT STA. 57+68.69
Y: 290018.818
X: 527583.692

MATCH LINE STA. 45+00

MATCH LINE STA. 60+00

8'

12'

50+00

55+00

USH 10

S84° 48' 23"E
425.22'

S79° 14' 08"E
404.44'

12'

13'

8'

330TH AVE

R/L
PT STA. 47+12.66
Y: 290145.840
X: 526535.764

CENTURYLINK
(APPROXIMATE, BASED ON MAPS)

ASPHALTIC FLUME
REQUIRED (TYP.)

PI STA = 54+53.53
Y = 290078.773
X = 527273.594
DELTA = 5°34'14"
D = 0°52'59"
T = 315.65'
L = 630.81'
R = 6488.00'
PC STA = 51+37.88
PT STA = 57+68.69

STA. 55+99 - STA. 57+94, RT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION,
MGS GUARDRAIL TERMINAL EAT, AND MOW STRIP
REQUIRED. SEE CROSS SECTIONS FOR POST
LOCATIONS AND APPROACH TAPER LENGTH.

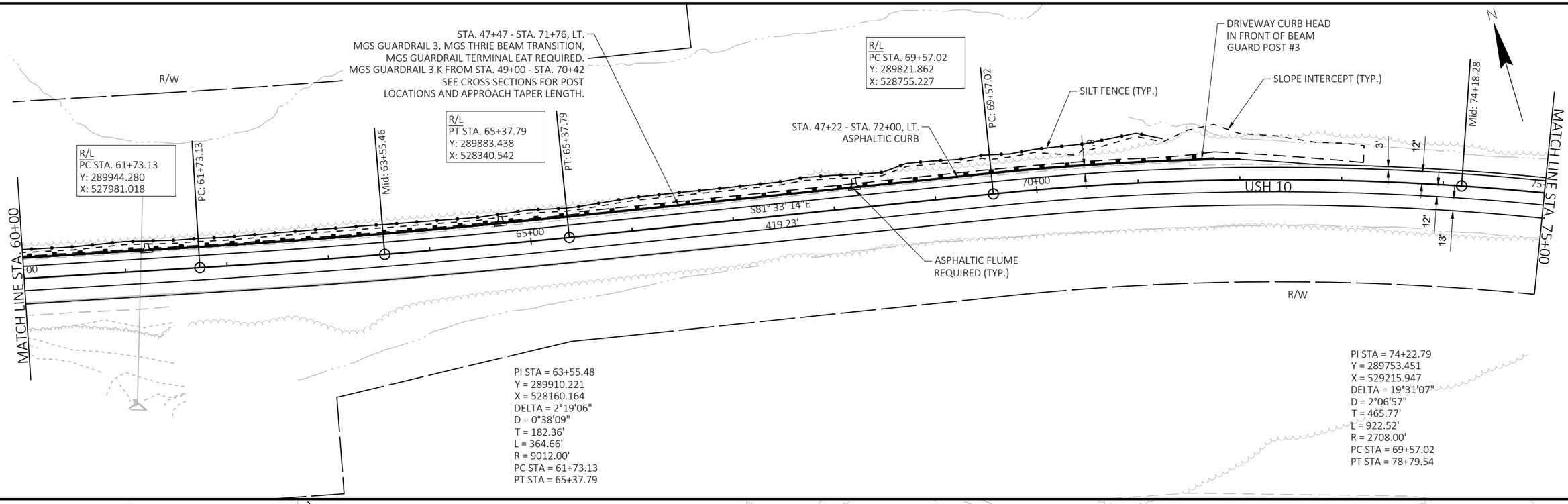
PIERCE PEPIN
COOP SERVICES

R/W

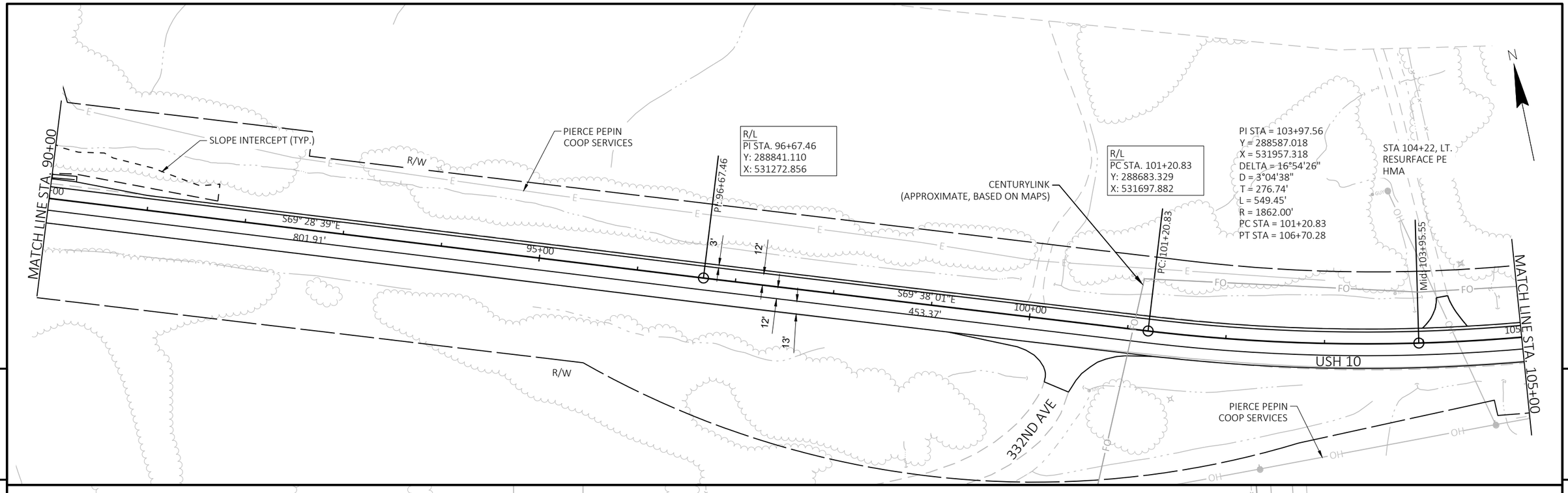
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

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LAYOUT NAME - Sheet - (2)

PLOT DATE : 7/3/2019 11:41 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

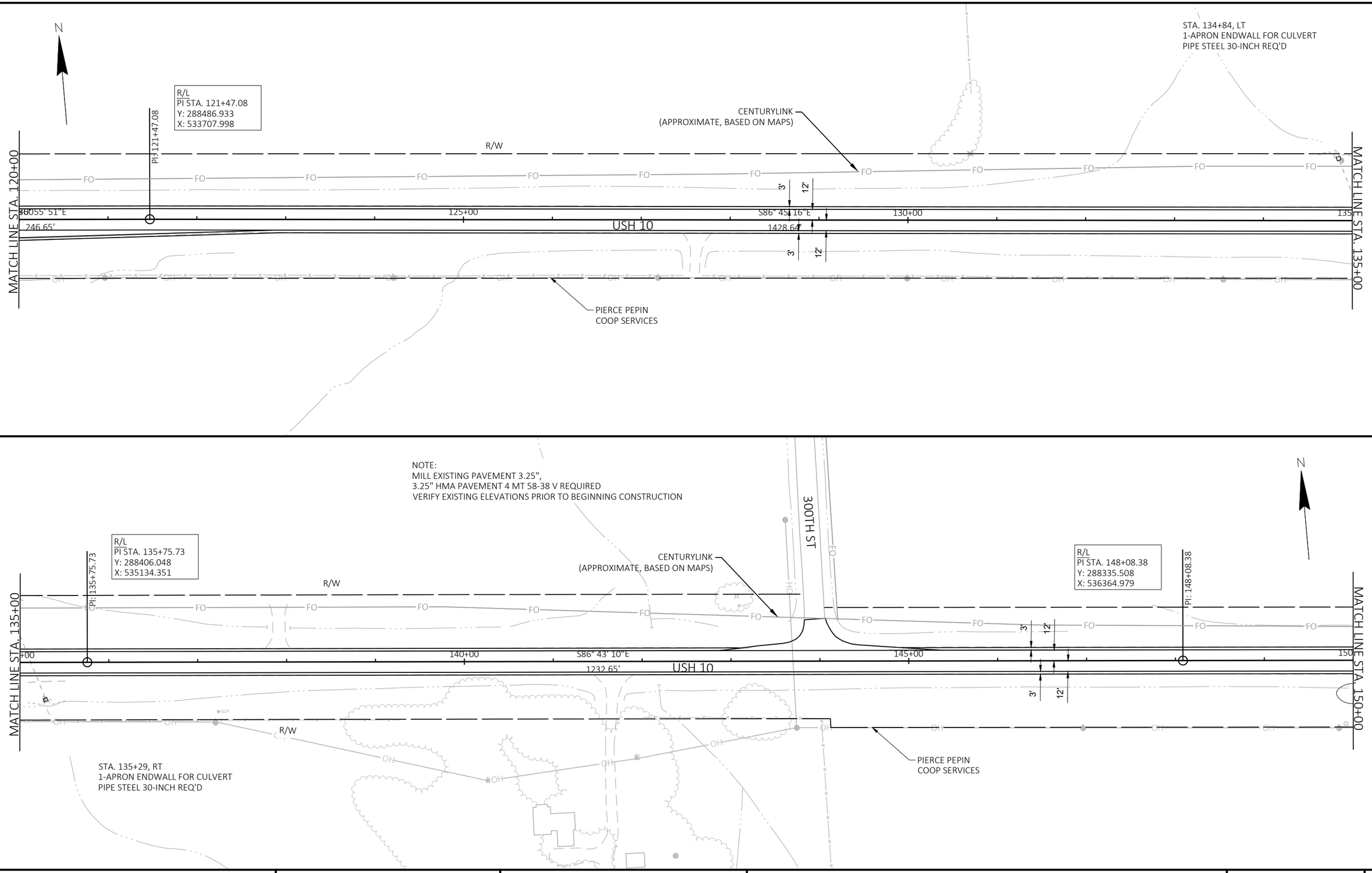


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

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LAYOUT NAME - Sheet - (4)

PLOT DATE : 7/3/2019 11:41 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

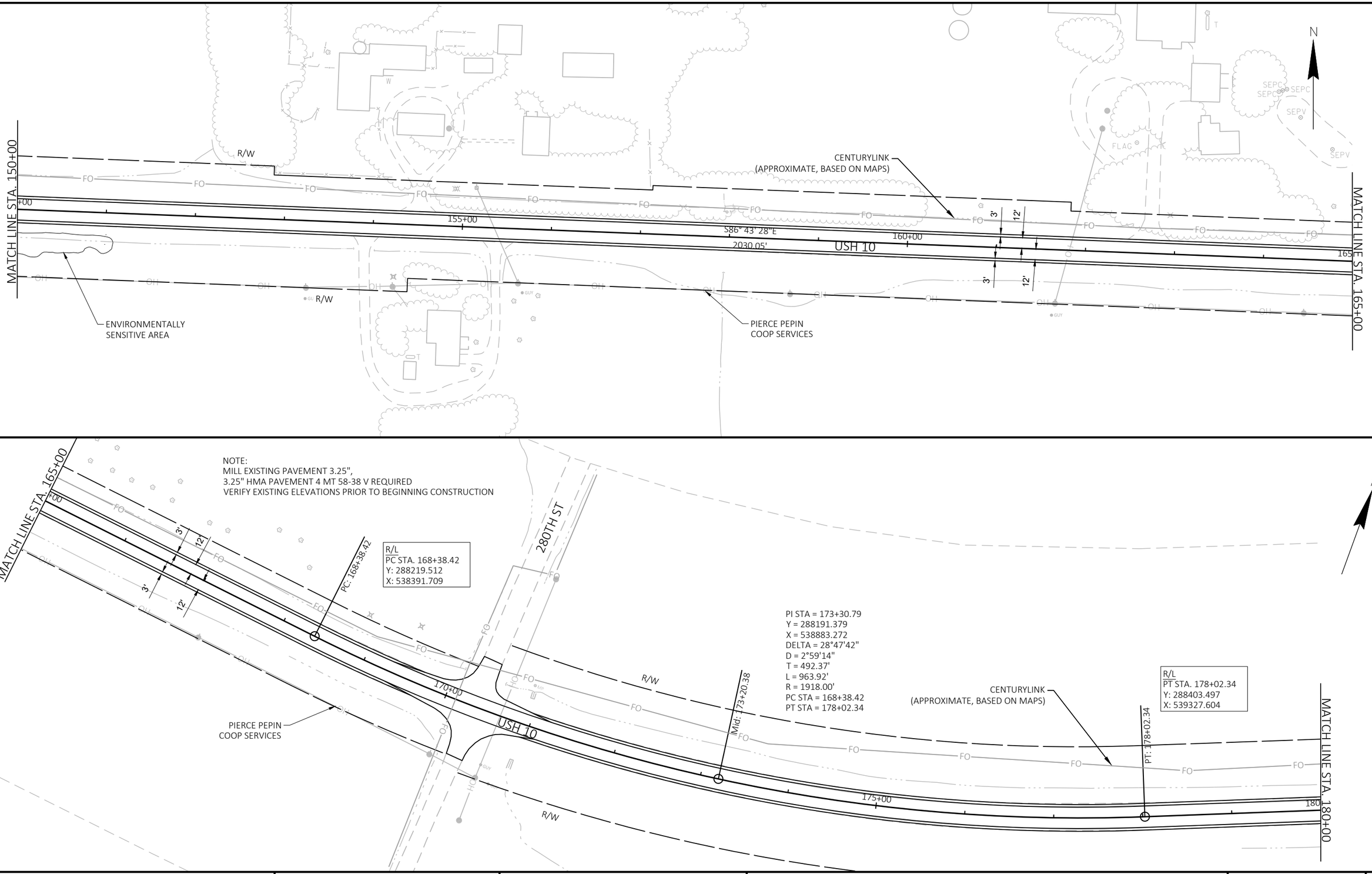
WISDOT/CADDS SHEET 44



5

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

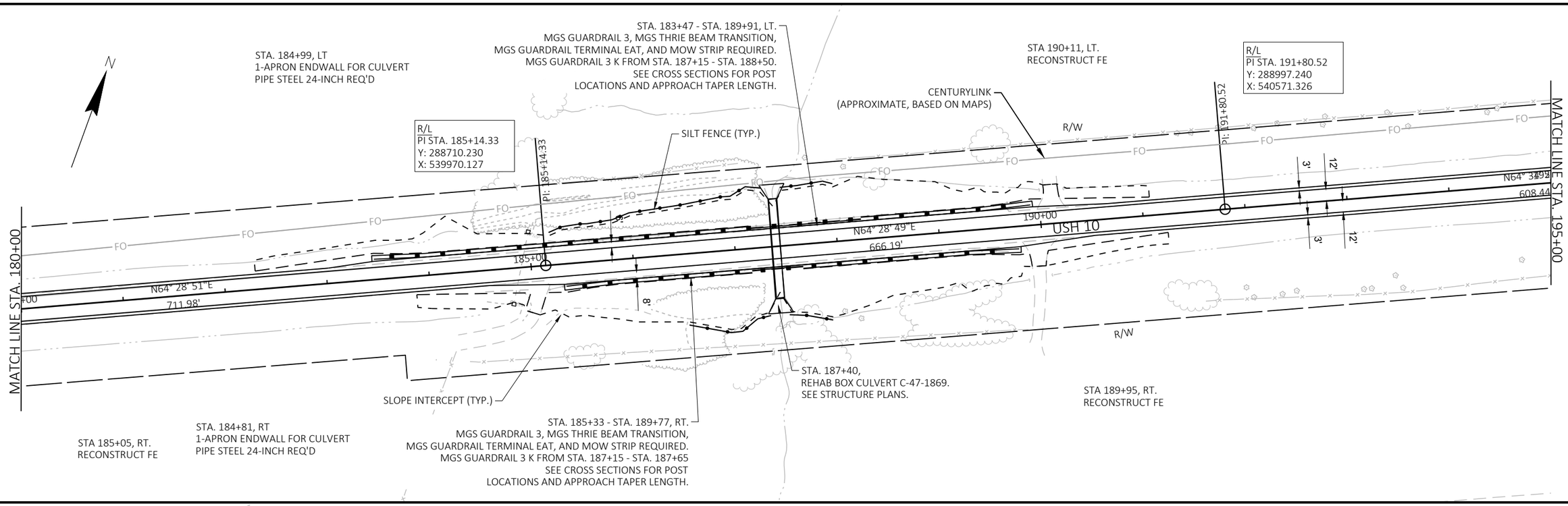
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LAYOUT NAME - Sheet - (5)
PLOT DATE : 7/3/2019 11:42 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

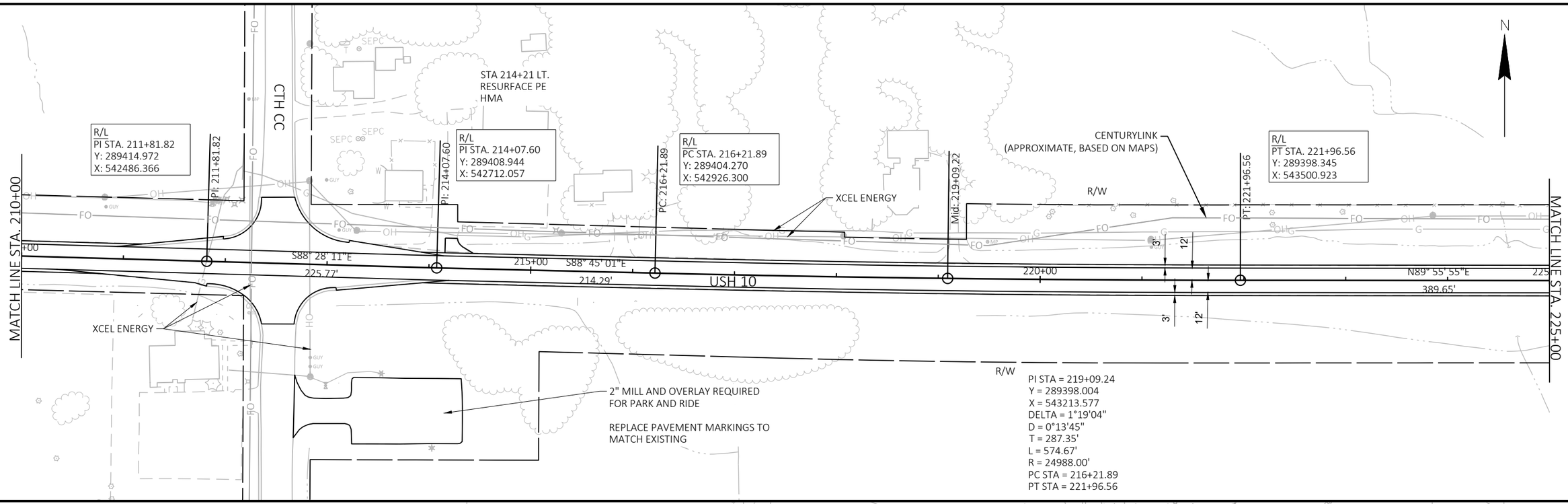
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LAYOUT NAME - Sheet - (6)

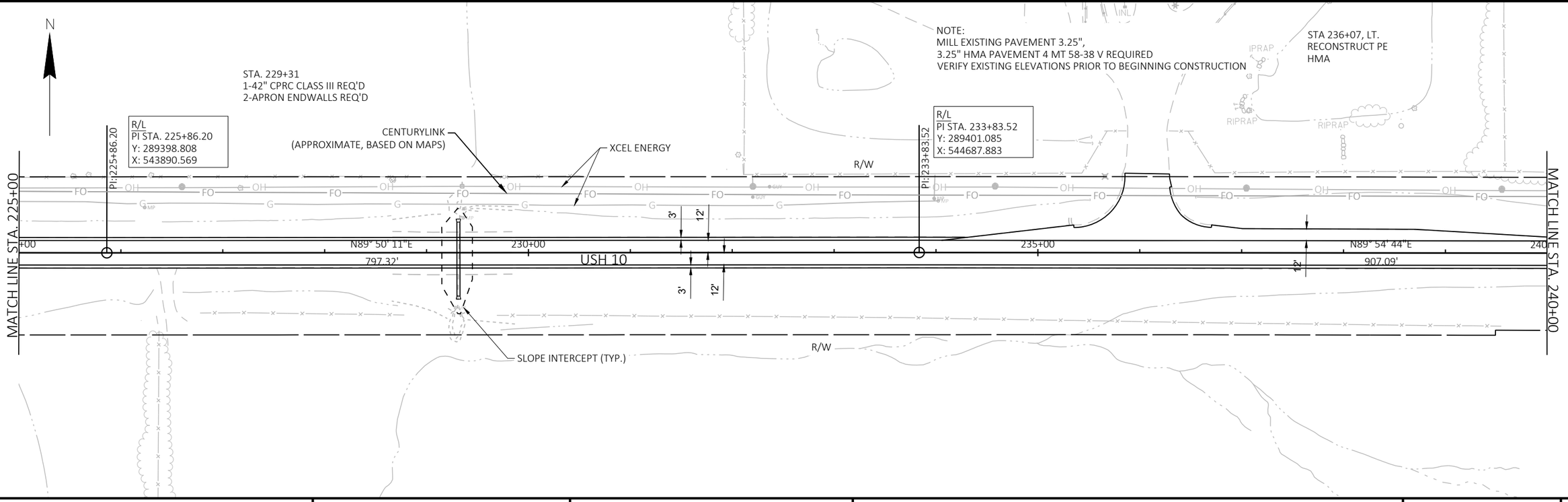
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - Sheet - (7)
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PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

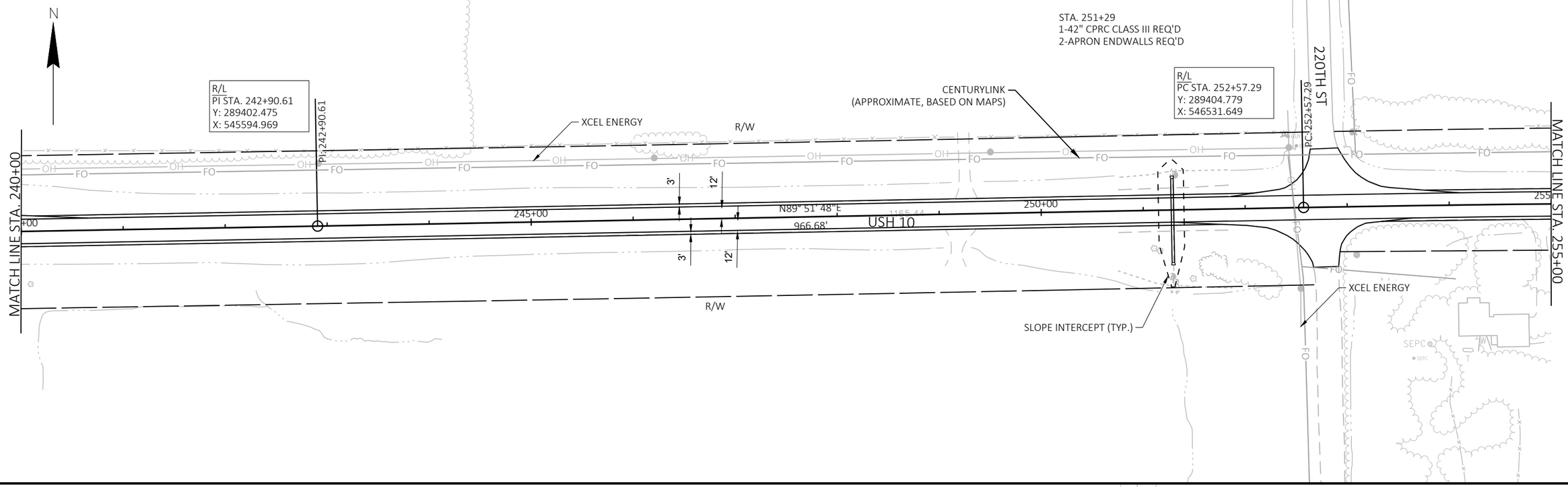


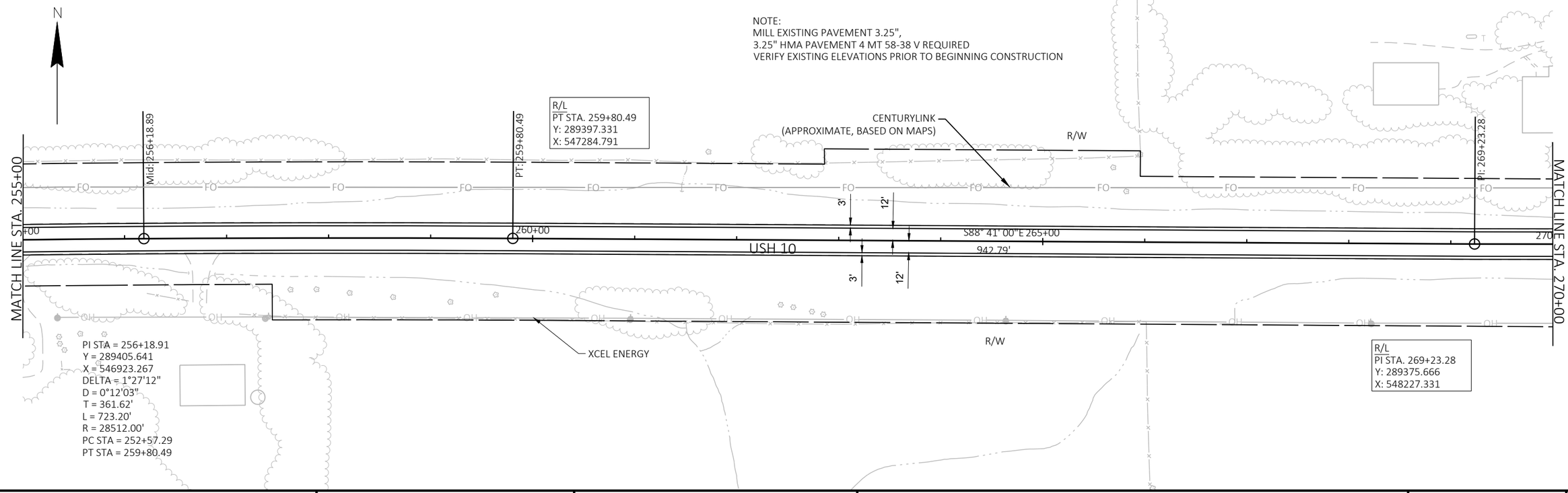


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

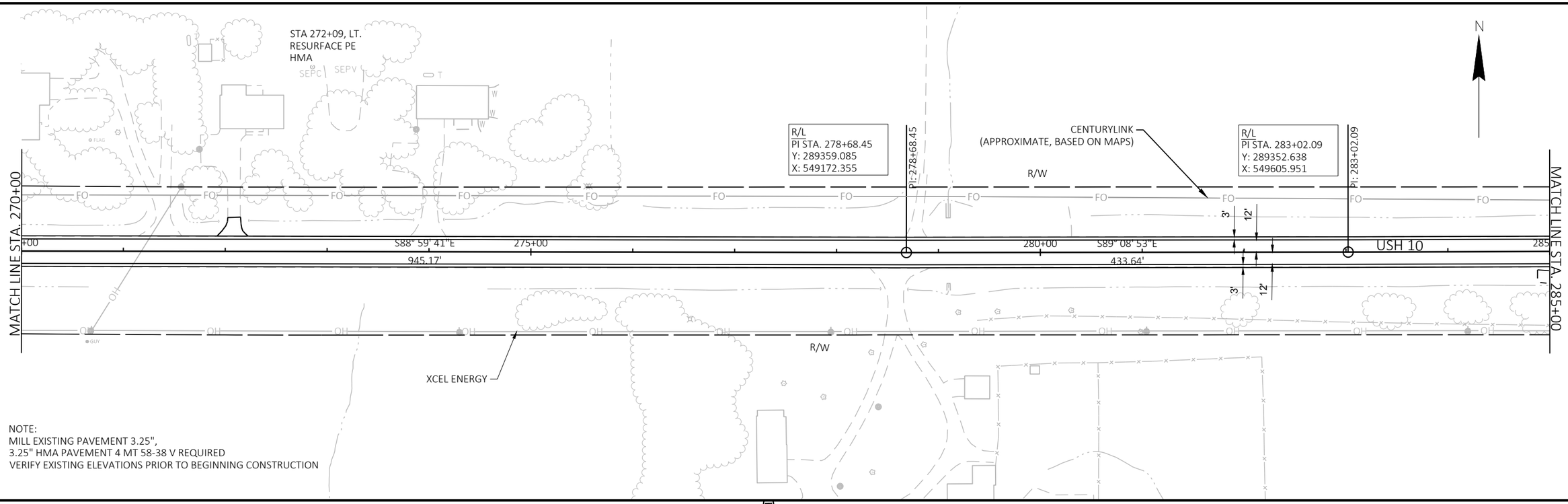
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - Sheet - (8)

PLOT DATE : 7/3/2019 11:43 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT





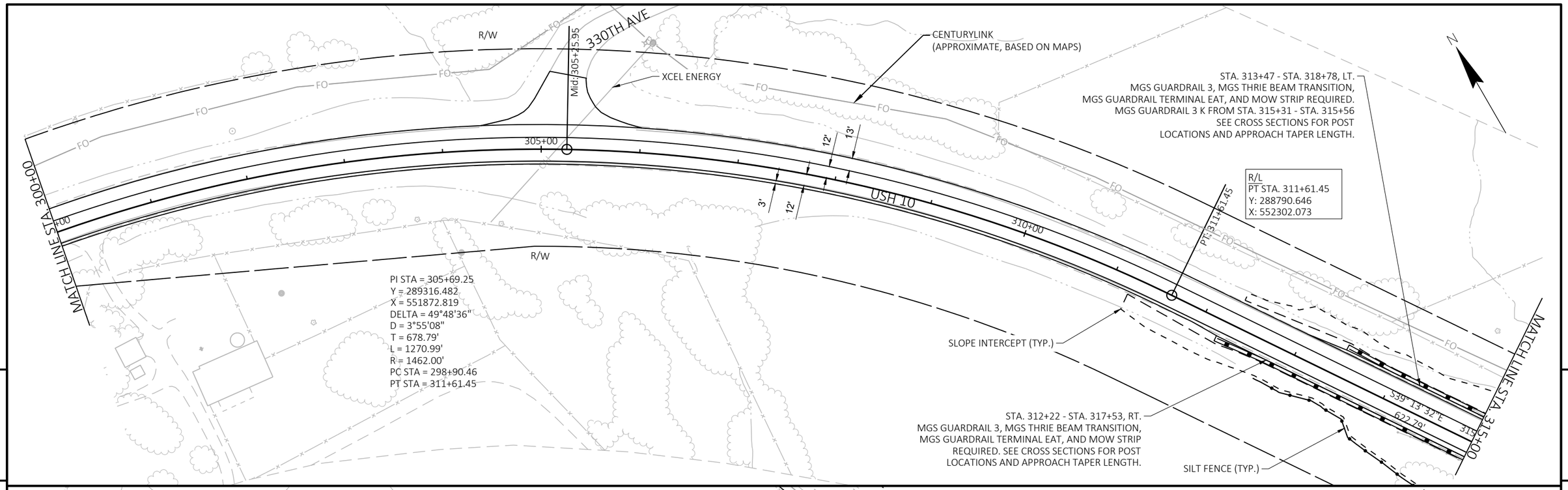
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

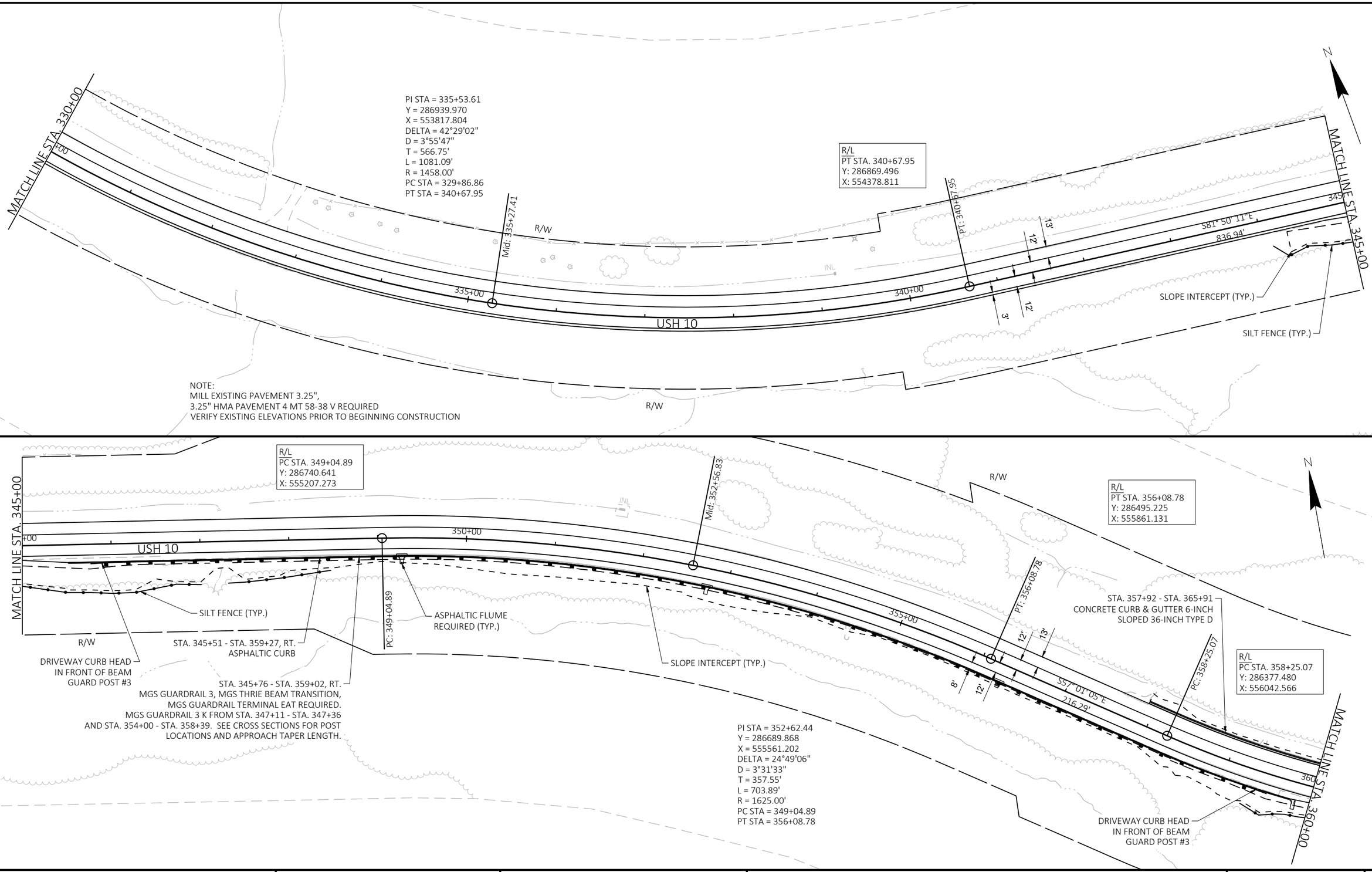
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - Sheet - (10)

PLOT DATE : 7/3/2019 11:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - Sheet - (11)
PLOT DATE : 7/3/2019 11:44 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - Sheet - (12)

PLOT DATE : 7/3/2019 11:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

N

R/W

NOTE:
MILL EXISTING PAVEMENT 3.25",
3.25" HMA PAVEMENT 4 MT 58-38 V REQUIRED
VERIFY EXISTING ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION

PI STA = 362+58.11
Y = 286141.742
X = 556405.820
DELTA = 41°20'04"
D = 4°59'27"
T = 433.04'
L = 828.19'
R = 1148.00'
PC STA = 358+25.07
PT STA = 366+53.26

STA. 357+92 - STA. 365+91
CONCRETE CURB & GUTTER 6-INCH
SLOPED 36-INCH TYPE D

R/L
PT STA. 366+53.26
Y: 286204.646
X: 556834.270

R/L
PI STA. 369+65.20
Y: 286249.957
X: 557142.894

R/L
PC STA. 370+97.07
Y: 286266.961
X: 557273.663

MATCH LINE STA. 360+00

Mid: 362+39.17

PI: 366+53.26

PI: 369+65.20

PC: 370+97.07

MATCH LINE STA. 375+00

USH 10

360+00

365+00

370+00

375

N81° 38' 52"E
311.93'

N82° 35' 29"E
131.87'

13'

12'

8'

12'

SILT FENCE (TYP.)

SLOPE INTERCEPT (TYP.)

DRIVEWAY CURB HEAD
IN FRONT OF BEAM
GUARD POST #3

ASPHALTIC FLUME
REQUIRED (TYP.)

STA. 364+84 - STA. 380+54, RT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION,
MGS GUARDRAIL TERMINAL EAT REQUIRED.
MGS GUARDRAIL 3 K FROM STA. 368+37 - STA. 370+50
AND STA. 374+50 - STA. 379+39. SEE CROSS SECTIONS FOR POST
LOCATIONS AND APPROACH TAPER LENGTH.

STA. 364+59 - STA. 380+80, RT.
ASPHALTIC CURB

5

5

N

STA. 375+21 - STA. 397+73, LT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION,
MGS GUARDRAIL TERMINAL EAT, MGS GUARDRAIL SHORT
RADIUS, MGS GUARDRAIL SHORT RADIUS TERMINAL, AND
MOW STRIP REQUIRED.
MGS GUARDRAIL 3 K FROM STA. 375+36 - STA. 389+00 AND
STA. 394+00 - STA. 395+94. SEE CROSS SECTIONS FOR POST
LOCATIONS AND APPROACH TAPER LENGTH.

STA 375+16, LT.
RECONSTRUCT PE
BAD

Mid: 380+05.65

380+00

385+00

USH 10

SILT FENCE (TYP.)

R/L
PT STA. 389+14.23
Y: 285264.181
X: 558563.686

PT: 389+14.23

MATCH LINE STA 390+00

395

3

SLOPE INTERCEPT (TYP.)

ASPHALTIC FLUME
REQUIRED (TYP.)

DRIVEWAY CURB HEAD
IN FRONT OF BEAM
GUARD POST #3

STA. 364+59 - STA. 380+80, RT.
ASPHALTIC CURB

R/W

STA. 364+84 - STA. 380+54, RT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION,
MGS GUARDRAIL TERMINAL EAT REQUIRED.
MGS GUARDRAIL 3 K FROM STA. 368+37 - STA. 370+50
AND STA. 374+50 - STA. 379+39. SEE CROSS SECTIONS FOR POST
LOCATIONS AND APPROACH TAPER LENGTH.

PI STA = 382+57.87
Y = 286416.640
X = 558424.774
DELTA = 90°32'08"
D = 4°58'56"
T = 1160.80'
L = 1817.17'
R = 1150.00'
PC STA = 370+97.07
PT STA = 389+14.23

8'

13'

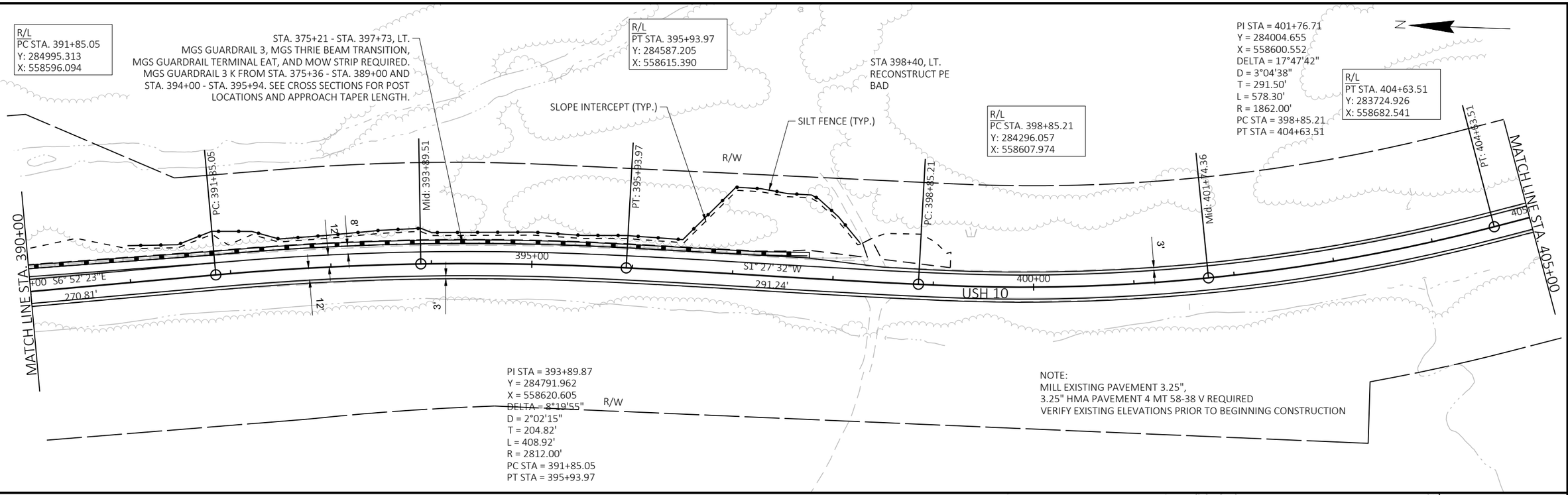
12'

12'

8'

MATCH LINE STA 375+00

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E



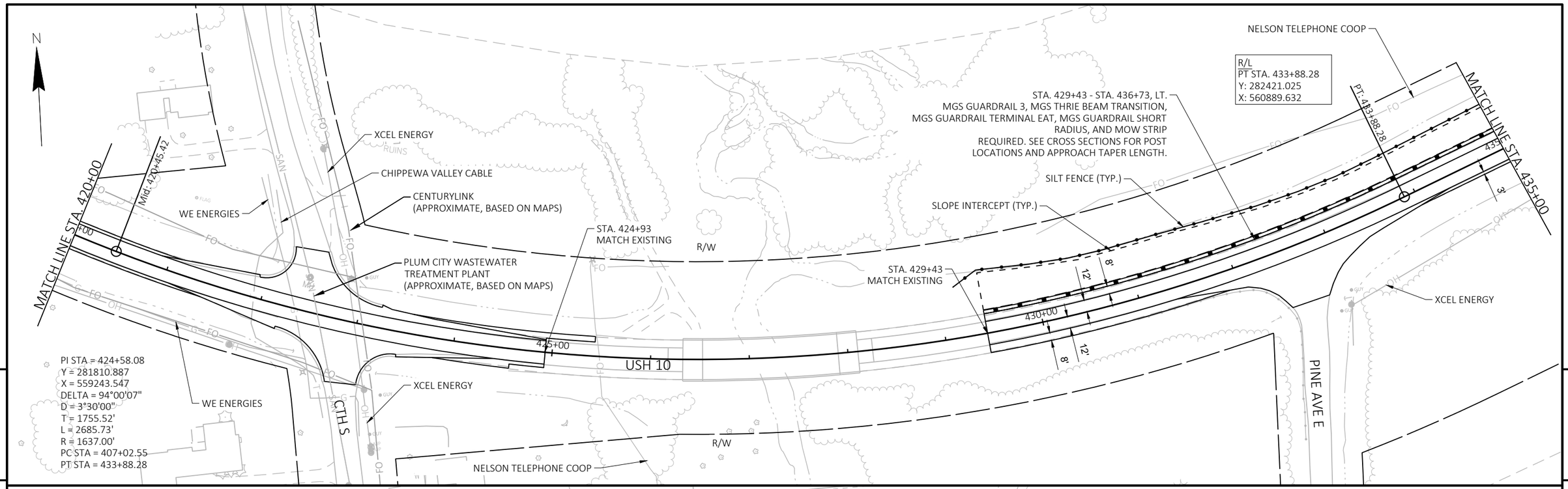
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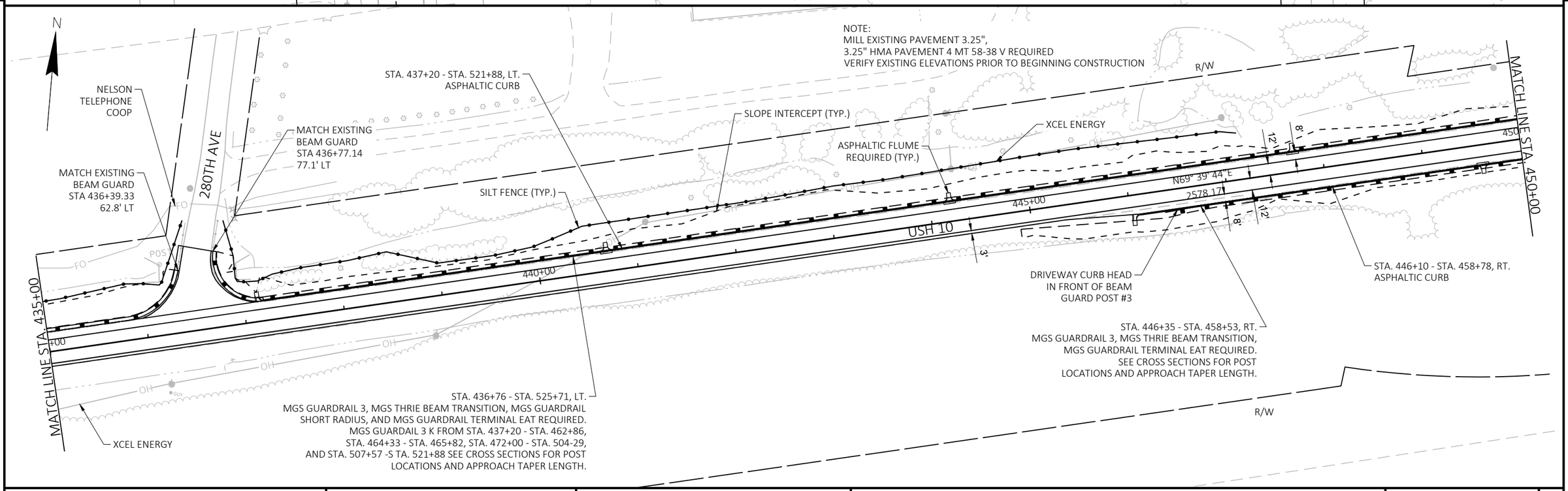
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - Sheet - (14)

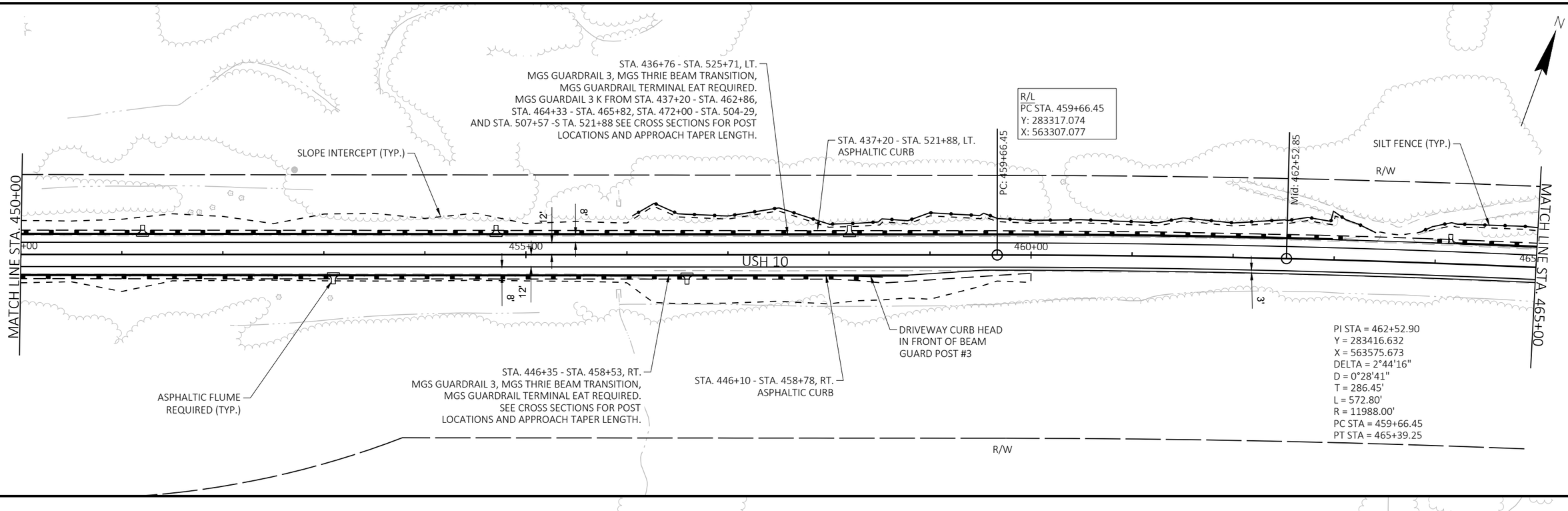
PLOT DATE : 7/3/2019 11:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

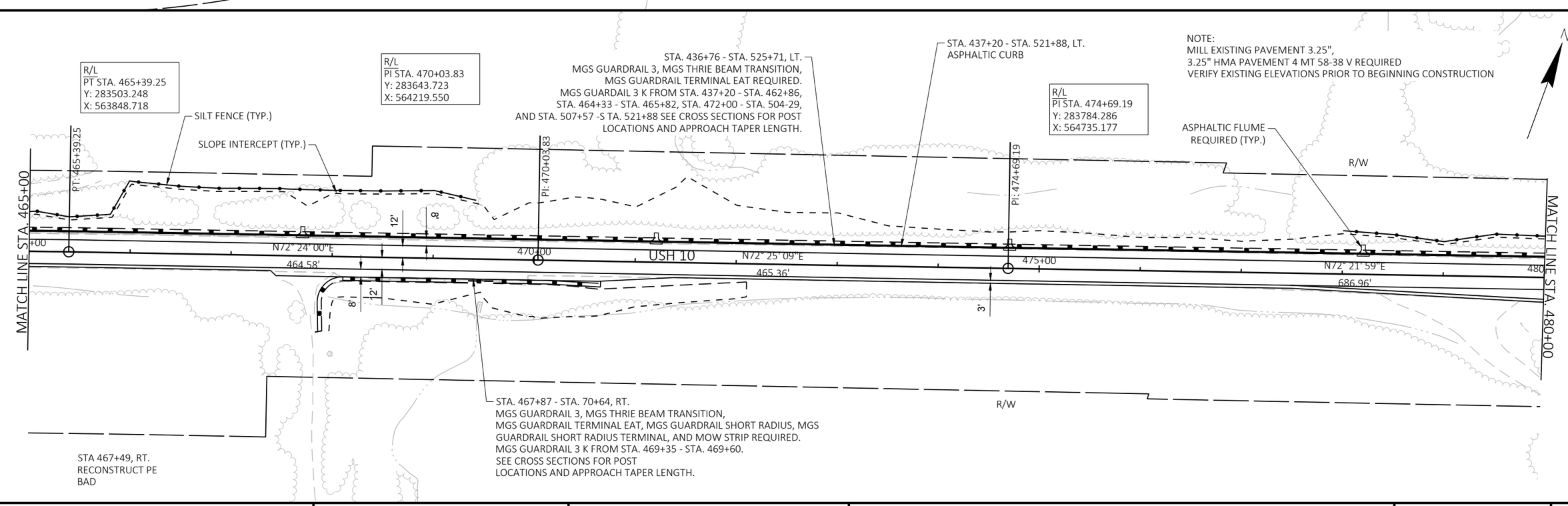




PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - Sheet - (15)
PLOT DATE : 7/3/2019 11:45 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



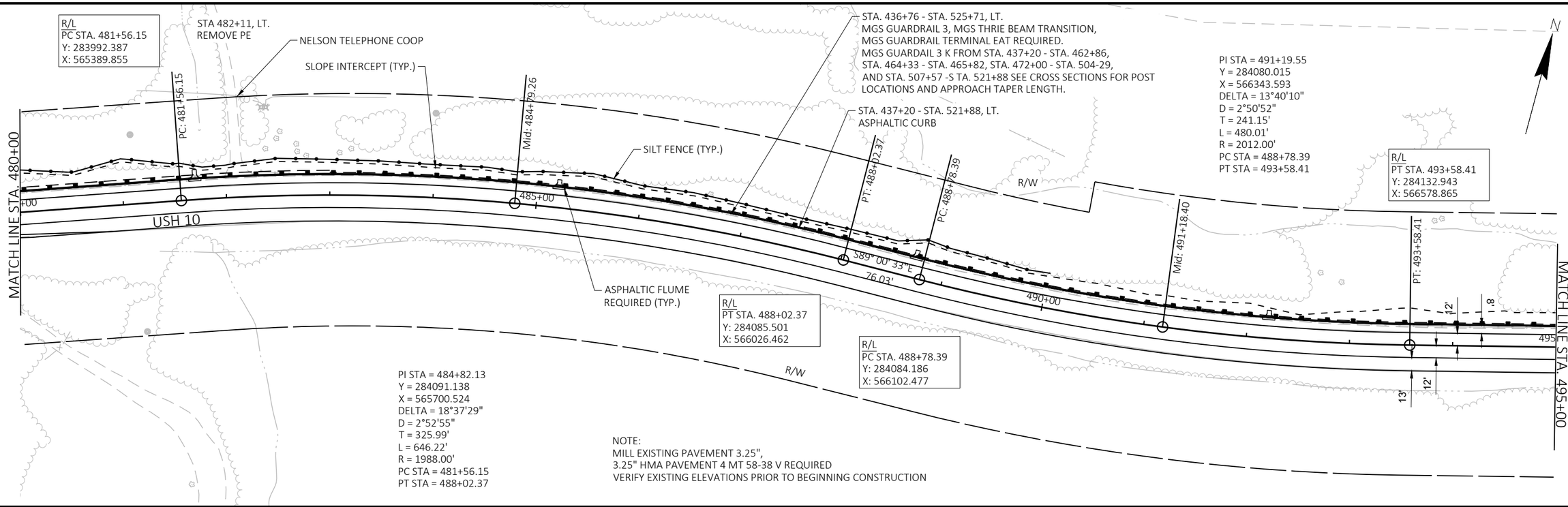


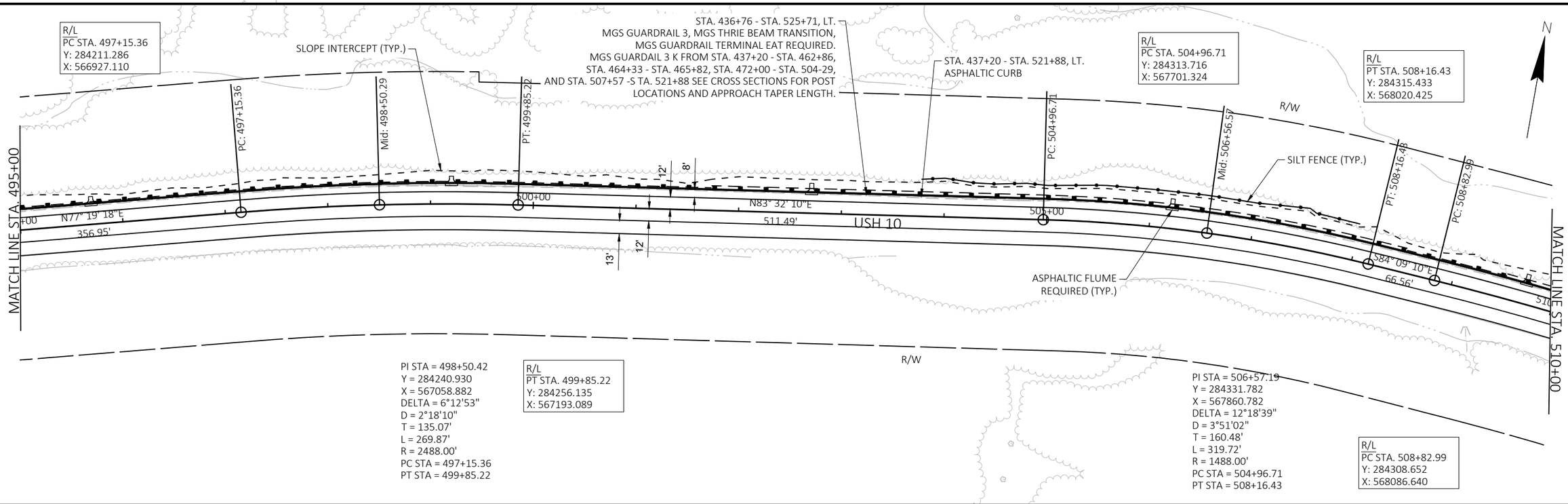
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - Sheet - (16)

PLOT DATE : 7/3/2019 11:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - Sheet - (17)

PLOT DATE : 7/3/2019 11:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

STA. 436+76 - STA. 525+71, LT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION, MGS GUARDRAIL SHORT RADIUS, MGS GUARDRAIL SHORT RADIUS TERMINAL, AND MGS GUARDRAIL TERMINAL EAT REQUIRED.
MGS GUARDAIL 3 K FROM STA. 437+20 - STA. 462+86, STA. 464+33 - STA. 465+82, STA. 472+00 - STA. 504-29, AND STA. 507+57 -S TA. 521+88 SEE CROSS SECTIONS FOR POST LOCATIONS AND APPROACH TAPER LENGTH.

R/W

Mid: 512+33.63

STA. 437+20 - STA. 521+88, LT.
ASPHALTIC CURB

SLOPE INTERCEPT (TYP.)

R/L
PT STA. 515+84.28
Y: 284156.369
X: 568769.545

PT: 515+84.28

ASPHALTIC FLUME REQUIRED (TYP.)

R/L
PC STA. 518+36.64
Y: 284072.983
X: 569007.733

PC: 518+36.64

STA. 522+04
1-36" CPCS EXTENSION REQ'D
1-APRON ENDWALL REQ'D

NELSON TELEPHONE COOP

STA. 522+79
1-36" CPCS EXTENSION REQ'D
1-APRON ENDWALL REQ'D

45TH ST

PI STA = 523+80.45
Y = 283893.293
X = 569521.004
DELTA = 20°52'33"
D = 1°56'27"
T = 543.82'
L = 1075.57'
R = 2952.00'
PC STA = 518+36.64
PT STA = 529+12.21

Mid: 523+74.43

MATCH LINE STA. 510+00

MATCH LINE STA. 525+00

USH 10

515+00

520+00

525+00

12'

8'

13'

12'

N70° 42' 20"E
252.36'

R/W

PI STA = 512+35.25
Y = 284272.765
X = 568437.069
DELTA = 13°26'51"
D = 1°55'03"
T = 352.26'
L = 701.29'
R = 2988.00'
PC STA = 508+82.99
PT STA = 515+84.28

50TH ST

XCEL ENERGY

CENTURYLINK
(APPROXIMATE, BASED ON MAPS)

FO

OH

T

N

NOTE:
MILL EXISTING PAVEMENT 3.25",
3.25" HMA PAVEMENT 4 MT 58-38 V REQUIRED
VERIFY EXISTING ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION

STA. 436+76 - STA. 525+71, LT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION, MGS GUARDRAIL SHORT RADIUS, MGS GUARDRAIL SHORT RADIUS TERMINAL, AND MGS GUARDRAIL TERMINAL EAT REQUIRED.
MGS GUARDAIL 3 K FROM STA. 437+20 - STA. 462+86, STA. 464+33 - STA. 465+82, STA. 472+00 - STA. 504-29, AND STA. 507+57 -S TA. 521+88 SEE CROSS SECTIONS FOR POST LOCATIONS AND APPROACH TAPER LENGTH.

NELSON TELEPHONE COOP

SLOPE INTERCEPT (TYP.)

R/L
PT STA. 529+12.21
Y: 283908.301
X: 570064.613

PT: 529+12.21

R/L
PC STA. 532+40.55
Y: 283917.362
X: 570392.825

PC: 532+40.55

XCEL ENERGY

R/W

Mid: 537+18.94

MATCH LINE STA. 525+00

MATCH LINE STA. 540+00

530+00

535+00

540+00

USH 10

N88° 25' 07"E
328.34'

8'

12'

3'

12'

13'

CENTURYLINK
(APPROXIMATE, BASED ON MAPS)

PI STA = 537+19.11
Y = 283930.569
X = 570871.199
DELTA = 3°39'27"
D = 0°22'56"
T = 478.56'
L = 956.79'
R = 14988.00'
PC STA = 532+40.55
PT STA = 541+97.34

SLAB

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - Sheet - (18)

PLOT DATE : 7/3/2019 11:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

NELSON TELEPHONE COOP

R/L
PT STA. 541+97.34
Y: 283913.232
X: 571349.442

CTH ZZ

STA. 544+60 - STA. 550+91, LT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION,
MGS GUARDRAIL TERMINAL EAT, AND MOW STRIP REQUIRED.
MGS GUARDRAIL 3 K FROM STA. 545+00 - STA. 547+50.
SEE CROSS SECTIONS FOR POST
LOCATIONS AND APPROACH TAPER LENGTH.

SILT FENCE (TYP.)

ADJUST BEAM GUARD POST
SPACING TO AVOID CULVERT PIPE

XCEL ENERGY

SLOPE INTERCEPT (TYP.)

R/L
PC STA. 552+84.74
Y: 283874.874
X: 572436.166

NELSON TELEPHONE COOP

N

MATCH LINE STA. 540+00

PT: 541+97.34

PI: 550+76.99

PC: 552+84.74

Mid: 554+04.58

MATCH LINE STA. 555+00

+00

545+00

S87° 55' 26"E
879.66'

USH 10

550+00

S88° 12' 36"E
207.75'

555

R/W

12'

8'

13'

12'

RIPRAP

CENTURYLINK
(APPROXIMATE, BASED ON MAPS)

R/L
PI STA. 550+76.99
Y: 283881.363
X: 572228.522

NELSON TELEPHONE COOP

STA. 549+39
1-24" CPRC CLASS IV REQ'D
2-APRON ENDWALLS REQ'D

PI STA = 554+04.59
Y = 283871.130
X = 572555.954
DELTA = 1°49'41"
D = 0°45'46"
T = 119.85'
L = 239.67'
R = 7512.00'
PC STA = 552+84.74
PT STA = 555+24.41

5

5

NOTE:
MILL EXISTING PAVEMENT 3.25",
3.25" HMA PAVEMENT 4 MT 58-38 V REQUIRED
VERIFY EXISTING ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION

N

R/L
PT STA. 555+24.41
Y: 283871.209
X: 572675.800

NELSON TELEPHONE COOP

R/L
PI STA. 556+59.28
Y: 283871.298
X: 572810.670

R/L
PI STA. 563+00.48
Y: 283875.606
X: 573451.851

R/L
PC STA. 566+90.87
Y: 283878.509
X: 573842.228

MATCH LINE STA. 550+00

PT: 555+24.41

PI: 556+59.28

PI: 563+00.48

PC: 566+90.87

Mid: 568+51.11

MATCH LINE STA. 570+00

+00

N89° 57' 43"E
134.87'

560+00

N89° 36' 54"E
641.20'

USH 10

565+00

N89° 34' 26"E
390.39'

570

R/W

12'

3'

13'

12'

NELSON TELEPHONE COOP

CENTURYLINK
(APPROXIMATE, BASED ON MAPS)

PI STA = 568+51.12
Y = 283879.700
X = 574002.477
DELTA = 1°13'31"
D = 0°22'56"
T = 160.25'
L = 320.49'
R = 14988.00'
PC STA = 566+90.87
PT STA = 570+11.36

10TH ST

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - Sheet - (19)

PLOT DATE : 7/3/2019 11:47 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

N

NOTE:
MILL EXISTING PAVEMENT 3.25",
3.25" HMA PAVEMENT 4 MT 58-38 V REQUIRED
VERIFY EXISTING ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION

R/L
PT STA. 570+11.36
Y: 283877.465
X: 574162.714

R/L
PI STA. 573+71.62
Y: 283872.440
X: 574522.935

END PROJECT 1530-05-72
STATION 575+97.96
MATCH EXISTING
SAWCUT REQ'D

PT: 570+11.36

PI: 573+71.62

EP: 578+81.16

R/W

MATCH LINE STA. 570+00

570+00

S89° 12' 03"E
360.26'

USH 10

575+00 S89° 15' 57"E
509.54'

12'
.3'

12'
.3'

CENTURYLINK
(APPROXIMATE, BASED ON MAPS)

SLAB

SLAB

5

5

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	PLAN DETAILS	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - Sheet - (20)

PLOT DATE : 7/3/2019 11:47 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

DIVISION 1-1/CAT. 1000 (STA 7+96 - STA 13+02): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
7+96		8.8	18.6						
8+50	54	11.9	11.9	21	31	21	31	40	-19
9+00	50	13.5	24.2	23	33	44	64	83	-39
9+50	50	18.0	21.9	29	43	73	107	139	-65
9+95	45	18.9	25.5	31	40	104	146	190	-86
10+00	5	18.5	27.0	3	5	108	151	196	-89
10+20	20	18.0	32.3	14	22	121	173	225	-104
10+46	26	18.3	34.3	17	32	138	205	267	-128
10+50	4	18.2	34.1	3	5	141	210	273	-132
11+00	50	18.6	38.0	34	67	175	277	360	-185
11+09	9	21.8	36.3	7	12	182	289	376	-194
11+33	24	20.4	33.7	19	31	201	320	416	-216
11+50	17	21.1	32.3	13	21	214	341	443	-230
11+58	8	21.3	29.3	6	9	220	350	455	-235
11+95	37	17.4	13.0	27	29	247	379	493	-246
12+00	5	7.6	9.0	2	2	249	381	496	-247
12+50	50	9.2	0.0	16	8	265	390	506	-242
13+00	50	12.7	0.0	20	0	285	390	506	-222
13+02	2	13.0	0.0	1	0	286	390	506	-221
			Column totals	286	390				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-3/CAT. 1000 (STA 35+32 - STA 37+96): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
35+32		12.0	34.0						
35+50	18	12.0	34.0	8	23	8	23	30	-22
36+00	50	14.4	3.7	24	35	32	58	75	-43
36+34	34	18.0	17.4	20	13	53	71	92	-39
36+36	2	18.2	18.0	1	1	54	72	94	-40
36+50	14	17.8	17.8	9	9	64	82	106	-42
36+59	9	16.5	19.9	6	6	69	88	114	-45
36+62	3	16.7	20.5	2	2	71	90	117	-46
36+84	22	18.1	36.1	14	23	85	113	147	-62
36+87	3	18.3	35.2	2	4	87	117	152	-65
37+00	13	18.8	24.5	9	14	96	131	171	-75
37+50	50	10.9	0.1	27	23	124	154	201	-77
37+96	46	12.1	0.0	20	0	143	154	201	-58
			Column totals	143	154				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-2/CAT. 1000 (STA 32+07 - STA 34+70): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
32+07		8.1	13.3						
32+12	5	14.5	16.0	2	3	2	3	4	-1
32+50	38	15.3	26.6	21	30	23	33	42	-19
33+00	50	15.6	56.2	29	77	52	109	142	-90
33+15	15	16.5	72.1	9	36	60	145	188	-128
33+18	3	16.5	72.9	2	8	62	153	199	-137
33+40	22	18.6	32.0	14	43	77	196	254	-178
33+43	3	18.7	29.3	2	3	79	199	259	-180
33+50	7	17.3	26.1	5	7	83	206	268	-185
33+65	15	16.8	21.2	9	13	93	219	285	-192
33+68	3	16.6	22.0	2	2	95	222	288	-194
34+00	32	14.6	11.2	18	20	113	241	314	-201
34+50	50	13.3	9.7	26	19	139	261	339	-200
34+70	20	13.3	9.7	10	7	149	268	348	-200
			Column totals	149	268				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-5/CAT. 1000 (STA 76+02 - STA 83+36): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
76+02		18.0	0.0						
76+50	48	15.4	10.1	30	9	30	9	12	18
77+00	50	13.7	16.2	27	24	57	33	43	13
77+47	47	14.8	23.6	25	35	81	68	88	-7
77+50	3	15.1	22.5	2	3	83	70	91	-8
77+72	22	18.5	18.2	14	17	97	87	113	-16
77+96	24	21.9	14.4	18	14	115	101	132	-17
77+97	1	18.6	14.5	1	1	115	102	133	-17
78+00	3	18.3	15.2	2	2	117	104	135	-17
78+21	21	16.8	11.7	14	10	131	114	148	-17
78+47	26	9.6	12.7	13	12	144	126	164	-20
78+50	3	9.6	13.1	1	1	145	127	166	-21
79+00	50	12.7	5.4	21	17	166	144	188	-22
79+50	50	16.4	11.3	27	15	192	160	208	-15
80+00	50	18.4	20.6	32	29	225	189	246	-21
80+03	3	18.7	22.3	2	2	227	192	249	-22
80+28	25	30.6	23.6	23	21	250	213	277	-27
80+28	0	28.9	23.7	0	0	250	213	277	-27
80+50	22	28.2	26.1	23	20	273	233	303	-30
80+53	3	32.0	23.2	3	3	276	236	307	-31
80+53	0	31.8	23.3	0	0	276	236	307	-31
80+78	25	22.0	24.6	25	22	301	258	336	-34
81+00	22	25.0	20.0	19	18	320	276	359	-39
81+50	50	18.5	8.8	40	27	360	303	394	-33
82+00	50	19.3	3.6	35	12	395	314	409	-13
82+25	25	18.7	2.2	18	3	413	317	412	1
82+50	25	8.2	0.2	12	1	426	318	414	12
83+00	50	7.6	0.0	15	0	440	318	414	26
83+36	36	10.0	0.0	12	0	452	318	414	38
			Column totals	452	318				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-4/CAT. 1000 (STA 45+99 - STA 73+21): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
45+99		9.0	0.0						
46+00	1	9.0	0.0	0	0	0	0	0	0
46+50	50	17.5	0.0	25	0	25	0	0	25
47+00	50	22.3	0.0	37	0	62	0	0	62
47+47	47	8.7	4.9	27	4	89	4	5	83
47+50	3	8.3	5.6	1	1	90	5	6	83
47+72	22	8.1	13.6	7	8	96	13	16	80
47+97	25	6.6	29.4	7	20	103	33	42	61
48+00	3	6.7	32.3	1	3	104	36	47	57
48+50	50	4.5	102.5	10	125	114	161	209	-95
49+00	50	5.7	9.8	9	104	124	265	344	-221
49+50	50	5.7	4.0	10	13	134	278	361	-227
50+00	50	6.1	4.1	11	8	145	285	371	-226
50+50	50	5.2	5.5	10	9	155	294	382	-227
51+00	50	4.2	4.7	9	9	164	303	394	-230
51+50	50	2.5	5.4	6	9	170	313	407	-236
52+00	50	1.7	11.3	4	15	174	328	427	-252
52+50	50	1.0	6.4	3	16	177	345	448	-271
53+00	50	1.2	8.4	2	14	179	358	466	-287
53+50	50	1.5	15.5	2	22	181	380	495	-313
54+00	50	0.9	27.6	2	40	183	420	546	-363
54+06	6	16.2	28.3	2	6	185	427	555	-369
54+50	44	16.3	12.0	26	33	212	459	597	-385
55+00	50	15.0	10.4	29	21	241	480	624	-383
55+50	50	17.0	10.6	30	19	270	500	649	-379
55+99	49	14.6	11.2	29	20	299	519	675	-376
56+00	1	14.6	8.4	1	0	300	520	676	-376
56+24	24	12.6	8.0	12	7	312	527	685	-374
56+49	25	13.1	7.1	12	7	323	534	694	-371
56+50	1	13.3	7.0	0	0	324	534	695	-371
57+00	50	7.6	10.5	19	16	343	551	716	-372
57+43	43	13.2	3.0	17	11	360	561	730	-370
57+50	7	11.5	3.4	3	1	363	562	731	-368
57+68	18	8.4	4.5	7	3	370	565	734	-364
57+93	25	11.7	2.5	9	3	379	568	738	-359
58+00	7	10.1	3.2	3	1	382	569	739	-357
58+50	50	9.4	1.6	18	4	400	573	745	-345
59+00	50	14.4	0.6	22	2	422	575	748	-326
59+50	50	17.1	0.8	29	1	451	576	749	-298
59+85	35	21.3	0.5	25	1	476	577	750	-275
60+00	15	4.3	0.8	7	0	483	578	751	-268
60+50	50	4.2	0.6	8	1	491	579	753	-262
61+00	50	4.3	1.0	8	1	499	580	754	-256
61+50	50	4.3	0.7	8	2	507	582	756	-250
62+00	50	4.8	0.5	8	1	515	583	758	-243
62+50	50	4.4	1.0	8	1	524	584	760	-236
63+00	50	4.8	1.0	9	2	532	586	762	-230
63+50	50	4.2	1.0	8	2	540	588	765	-224
64+00	50	4.1	1.0	8	2	548	590	767	-219
64+50	50	4.4	0.6	8	1	556	591	769	-213
65+00	50	3.7	1.9	8	2	564	594	772	-208
65+50	50	4.1	1.0	7	3	571	596	775	-204
66+00	50	4.4	3.8	8	4	579	601	781	-202
66+50	50	4.4	3.7	8	7	587	608	790	-203
67+00	50	4.5	4.9	8	8	595	616	800	-205
67+50	50	3.4	5.0	7	9	602	625	812	-210
68+00	50	3.9	4.6	7	9	609	634	824	-215
68+50	50	3.7	4.5	7	8	616	642	835	-218
69+00	50	2.8	9.7	6	13	622	655	852	-230
69+50	50	1.7	9.7	4	18	626	673	875	-249
70+00	50	1.3	11.8	3	20	629	693	901	-272
70+50	50	2.9	9.1	4	19	633	713	926	-293
71+00	50	3.5	18.6	6	26	639	738	960	-321
71+26	26	3.6	9.5	3	14	642	752	977	-335
71+50	24	4.8	19.3	4	13	646	765	994	-348
71+51	1	8.2	19.9	0	1	646	765	995	-349
71+76	25	9.1	28.9	8	23	654	788	1,024	-370
72+00	24	5.5	31.3	6	27	661	815	1,059	-398
72+50	50	5.0	16.1	10	44	671	858	1,116	-445
73+00	50	5.0	5.2	9	20	680	878	1,142	-462
73+21	21	4.7	1.4	4	3	684	881	1,145	-461
			Column totals	684	881				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-6/CAT. 1000 (STA 87+88 - STA 91+70): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
87+88		9.6	3.2						
88+13	25	9.6	3.2	9	3	9	3	4	5
88+50	37	17.6	0.0	19	2	28	5	7	21
89+00	50	9.2	10.7	25	10	52	15	20	33
89+50	50	10.5	21.5	18	30	71	45	58	12
89+73	23	10.0	26.9	9	21	79	65	85	-6
89+98	25	8.4	40.2	9	31	88	97	125	-38
90+00	2	8.4	40.3	1	3	89	99	129	-41
90+23	23	10.5	35.6	8	32	97	132	171	-75
90+50	27	11.4	34.0	11	35	107	167	217	-109
91+00	50	12.3	5.8	22	37	129	203	264	-135
91+50	50	10.9	0.1	21	5	151	209	272	-121
91+70	20	13.9	0.0	9	0	160	209	272	-112
		Column Totals		160	209				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-8/CAT. 1000 (STA 229+19 - STA 229+45): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
229+19		112.1	4.4						
229+32	13	112.1	4.4	54	2	54	2	3	51
229+45	13	112.1	4.4	54	2	108	4	6	102
		Column totals		108	4				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-7/CAT. 1000 (STA 182+31 - STA 191+23): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
182+31		6.5	2.3						
182+50	19	6.4	4.6	5	2	5	2	3	1
183+00	50	5.8	11.5	11	15	16	17	23	-7
183+47	47	5.0	20.8	9	28	25	45	59	-34
183+50	3	5.1	20.8	1	2	26	48	62	-36
183+72	22	4.9	17.3	4	16	30	63	82	-52
183+86	14	12.7	18.6	5	9	34	73	94	-60
183+97	11	15.3	21.4	6	8	40	81	105	-65
184+00	3	16.6	21.6	2	2	42	83	108	-66
184+50	50	12.4	22.9	27	41	69	124	162	-93
185+00	50	20.8	6.1	31	27	100	151	196	-97
185+33	33	11.5	44.3	20	31	119	182	236	-117
185+50	17	8.9	54.1	6	31	126	213	277	-151
185+58	8	8.9	62.8	3	17	128	230	299	-171
185+83	25	8.1	93.5	8	72	136	303	393	-257
186+00	17	7.4	128.7	5	70	141	373	484	-343
186+50	50	6.4	158.2	13	266	154	638	830	-676
187+00	50	5.3	193.1	11	325	165	963	1,253	-1,088
187+40	40	3.3	37.6	6	171	171	1,134	1,475	-1,304
187+50	10	3.4	83.1	1	22	172	1,157	1,504	-1,332
188+00	50	6.0	156.4	9	222	181	1,378	1,792	-1,611
188+50	50	7.0	109.8	12	246	193	1,625	2,112	-1,919
189+00	50	8.1	77.1	14	173	207	1,798	2,337	-2,130
189+27	27	8.8	53.5	8	65	215	1,863	2,422	-2,207
189+41	14	10.3	45.8	5	26	220	1,889	2,456	-2,235
189+50	9	13.0	34.6	4	13	224	1,902	2,473	-2,249
189+52	2	13.8	32.3	1	2	225	1,905	2,476	-2,251
189+66	14	19.6	30.2	9	16	234	1,921	2,497	-2,264
189+77	11	22.7	21.7	9	11	242	1,932	2,511	-2,269
189+91	14	27.5	7.3	13	8	255	1,939	2,521	-2,265
190+00	9	27.5	1.6	9	1	265	1,941	2,523	-2,258
190+50	50	14.5	10.7	39	11	304	1,952	2,538	-2,234
191+00	50	14.8	3.8	27	13	331	1,965	2,555	-2,224
191+08	8	14.7	3.4	4	1	335	1,966	2,556	-2,221
191+23	15	8.7	1.1	7	1	342	1,968	2,558	-2,216
		Column totals		342	1,968				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-9/CAT. 1000 (STA 251+16 - STA 251+42): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
251+16		95.4	21.5						
251+29	13	95.4	21.5	46	10	46	10	13	32
251+42	13	95.4	21.5	46	10	92	21	27	65
		Column totals		92	21				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-10/CAT. 1000 (STA 284+88 - STA 296+03): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
284+88		7.3	1.0						
285+00	12	7.1	3.1	3	1	3	1	1	2
285+41	41	15.5	12.0	17	11	20	12	16	4
285+50	9	14.9	12.5	5	4	25	16	21	4
286+00	50	14.8	26.7	27	36	53	53	69	-16
286+34	34	21.0	41.9	23	43	75	96	125	-49
286+50	16	14.9	43.2	11	25	86	121	158	-72
286+59	9	14.3	43.7	5	14	91	136	176	-86
286+84	25	13.3	48.8	13	43	104	179	232	-129
286+87	3	13.4	49.1	1	5	105	184	239	-134
287+00	13	13.2	47.3	6	23	111	207	269	-158
287+12	12	13.5	43.6	6	20	117	227	296	-178
287+37	25	15.0	51.1	13	44	131	271	353	-222
287+50	13	16.0	56.4	7	26	138	297	386	-248
288+00	50	10.6	86.0	25	132	163	429	558	-395
288+50	50	8.9	154.5	18	223	181	652	847	-667
289+00	50	7.2	181.7	15	311	196	963	1,252	-1,056
289+50	50	5.7	135.9	12	294	208	1,257	1,634	-1,426
290+00	50	4.8	99.7	10	218	217	1,475	1,918	-1,700
290+50	50	6.0	78.2	10	165	227	1,640	2,132	-1,904
291+00	50	6.1	48.1	11	117	239	1,757	2,284	-2,045
291+50	50	6.1	137.3	11	172	250	1,928	2,507	-2,257
292+00	50	3.0	24.4	8	150	258	2,078	2,702	-2,443
292+50	50	3.1	61.7	6	80	264	2,158	2,805	-2,541
293+00	50	3.8	63.5	6	116	270	2,274	2,956	-2,686
293+50	50	7.5	17.1	11	75	281	2,348	3,053	-2,772
294+00	50	9.0	15.4	15	30	296	2,379	3,092	-2,796
294+03	3	8.8	14.7	1	2	297	2,380	3,094	-2,797
294+28	25	8.8	13.5	8	13	305	2,393	3,111	-2,806
294+50	22	9.7	20.3	8	14	313	2,407	3,129	-2,816
294+53	3	9.8	21.6	1	2	314	2,409	3,132	-2,818
295+00	47	10.0	14.9	17	32	331	2,441	3,174	-2,842
295+50	50	9.0	5.8	18	19	349	2,460	3,198	-2,850
296+00	50	10.2	0.5	18	6	367	2,466	3,206	-2,840
296+03	3	10.4	0.1	1	0	368	2,466	3,206	-2,838
		Column totals		368	2,466				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	EARTHWORK DATA TABLES	SHEET	E

FILE NAME: ORIGINATOR: KL ENGINEERING, INC. ORIG. DATE: REV. DATE: PRINT DATE: May 1, 2019

DIVISION 1-11/CAT. 1000 (STA 311+20 - STA 319+95): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area		Incremental		Cumulative Vol (CY)			Mass Ordinate
		Cut	Fill	Cut	Fill	Cut	Fill	Expanded Fill	
		(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	1.00 Note 3	1.00 Note 4	1.3	Note 5
311+20		7.0	3.2						
311+50	30	8.1	8.2	8	6	8	6	8	0
312+00	50	7.7	16.0	15	22	23	29	37	-14
312+22	22	6.6	19.0	6	14	29	43	56	-27
312+31	9	12.9	18.2	3	6	32	49	64	-32
312+47	16	12.2	15.3	7	10	40	59	77	-37
312+50	3	12.1	14.9	1	2	41	61	79	-38
312+72	22	12.2	13.9	10	12	51	73	94	-44
313+00	28	17.8	15.1	16	15	66	88	114	-48
313+47	47	17.3	14.8	31	26	97	114	148	-51
313+50	3	17.8	15.8	2	2	99	115	150	-51
313+72	22	15.4	17.8	14	14	112	129	168	-55
313+97	25	15.6	40.1	14	27	127	156	203	-76
314+00	3	15.8	44.0	2	5	129	161	209	-80
314+50	50	11.8	85.7	26	120	154	281	365	-211
315+00	50	7.6	74.9	18	149	172	429	558	-386
315+44	44	7.1	4.8	12	65	184	494	643	-459
315+50	6	7.1	9.6	2	2	186	496	645	-459
316+00	50	8.7	59.7	15	64	200	560	728	-528
316+50	50	12.6	41.6	20	94	220	654	850	-630
317+00	50	12.9	33.8	24	70	243	724	941	-697
317+03	3	13.1	32.3	1	4	245	727	945	-701
317+28	25	13.9	38.3	12	33	257	760	988	-731
317+50	22	14.5	41.3	12	32	269	792	1,030	-761
317+53	3	14.5	42.6	2	5	271	797	1,036	-766
318+00	47	14.3	19.2	25	54	296	851	1,106	-810
318+28	28	14.7	13.2	15	17	311	868	1,128	-817
318+50	22	14.0	10.0	12	9	322	877	1,140	-818
318+53	3	13.7	9.5	2	1	324	878	1,142	-818
318+57	4	13.5	9.5	2	1	326	880	1,143	-818
318+78	21	7.5	6.1	8	6	334	886	1,151	-817
319+00	22	8.3	2.8	6	4	340	889	1,156	-815
319+50	50	7.2	1.1	14	4	355	893	1,161	-806
319+95	45	6.8	0.3	12	1	366	894	1,162	-796
	Column totals			366	894				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-12/CAT. 1000 (STA 344+30 - STA 399+16): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area		Incremental		Cumulative Vol (CY)			Mass Ordinate
		Cut	Fill	Cut	Fill	Cut	Fill	Expanded Fill	
		(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	1.00 Note 3	1.00 Note 4	1.3	Note 5
344+30		6.9	2.9						
344+50	20	6.7	5.7	5	3	5	3	4	1
345+00	50	6.3	17.3	12	21	17	24	32	-15
345+50	50	7.4	27.6	13	42	30	66	86	-56
345+76	26	7.9	43.8	7	34	37	100	130	-93
346+00	24	7.7	47.5	7	41	44	141	183	-139
346+01	1	7.6	47.9	0	2	44	143	186	-141
346+26	25	8.2	43.4	7	42	52	185	240	-189
346+50	24	9.4	11.4	8	24	60	209	272	-213
347+00	50	4.8	31.1	13	39	73	249	323	-251
347+24	24	3.9	2.3	4	15	77	264	343	-266
347+50	26	3.7	26.1	4	14	80	277	360	-280
348+00	50	6.3	6.2	9	30	90	307	399	-310
348+50	50	6.1	3.0	11	9	101	316	410	-309
349+00	50	7.0	0.7	12	3	113	319	415	-302
349+50	50	6.6	1.3	13	2	126	321	417	-291
350+00	50	6.0	2.6	12	4	137	325	422	-285
350+50	50	6.3	5.5	11	8	149	332	432	-283
351+00	50	6.5	4.9	12	10	161	342	444	-284
351+50	50	7.0	4.7	13	9	173	351	456	-282
352+00	50	6.4	4.1	12	8	186	359	466	-281
352+50	50	6.4	3.9	12	7	197	366	476	-278
353+00	50	7.2	4.5	13	8	210	374	486	-276
353+50	50	7.4	3.1	14	7	224	381	495	-271
354+00	50	7.0	0.1	13	3	237	384	499	-262
354+50	50	5.9	1.2	12	1	249	385	500	-252
355+00	50	6.7	0.1	12	1	261	386	502	-241
355+50	50	8.0	0.0	14	0	274	386	502	-228
356+00	50	6.3	0.2	13	0	287	386	502	-215
356+50	50	5.7	0.6	11	1	299	387	503	-205
357+00	50	5.5	0.5	10	1	309	388	505	-196
357+50	50	6.0	0.2	11	1	320	389	505	-186
358+00	50	13.0	0.4	18	1	337	389	506	-169
358+50	50	13.0	4.2	24	4	361	394	512	-150
359+00	50	13.1	5.7	24	9	385	403	524	-138
359+02	2	13.0	5.6	1	0	386	403	524	-138
359+27	25	13.0	9.4	12	7	398	410	533	-135
359+50	23	13.8	11.3	11	9	410	419	545	-135
359+52	2	13.9	11.3	1	1	411	420	546	-135
360+00	48	20.0	1.5	30	11	441	431	561	-120
360+50	50	23.5	0.2	40	2	481	433	563	-81
361+00	50	25.4	0.2	45	0	526	433	563	-37
361+20	20	30.1	0.4	21	0	547	433	563	-16
361+50	30	7.4	0.2	21	0	568	434	564	4
362+00	50	7.2	0.5	14	1	581	434	565	17
362+50	50	7.4	1.3	14	2	595	436	567	28
363+00	50	7.5	6.5	14	7	608	443	576	32
363+40	40	26.9	1.6	25	6	634	449	584	50
363+50	10	25.0	2.1	10	1	644	450	585	59
364+00	50	21.2	6.1	43	8	686	458	595	92
364+50	50	21.0	4.6	39	10	725	467	608	118
364+84	34	21.1	2.3	27	4	752	472	613	139
365+00	16	19.8	1.9	12	1	764	473	615	149
365+09	9	19.3	1.8	7	1	771	474	616	155
365+33	24	18.2	2.4	17	2	787	476	618	169
365+50	17	17.9	3.5	11	2	799	477	621	178
366+00	50	6.8	0.0	23	3	821	481	625	197
366+50	50	7.7	0.0	13	0	835	481	625	210
367+00	50	7.2	0.0	14	0	849	481	625	224
367+50	50	7.4	0.0	14	0	862	481	625	237
368+00	50	8.8	0.0	15	0	877	481	625	252
368+50	50	8.1	0.3	16	0	893	481	625	268
369+00	50	7.9	1.8	15	2	908	483	628	280
369+50	50	8.2	0.9	15	2	923	485	631	292
370+00	50	7.7	4.4	15	5	937	490	637	300
370+50	50	7.7	1.8	14	6	952	496	645	307
371+00	50	7.3	2.0	14	4	965	499	649	316
371+50	50	7.9	1.9	14	4	980	503	654	326
372+00	50	9.2	1.0	16	3	995	506	657	338
372+50	50	8.1	3.7	16	4	1,011	510	663	348
373+00	50	8.6	4.2	15	7	1,027	517	673	354
373+50	50	9.2	5.9	16	9	1,043	527	685	359
374+00	50	8.1	3.5	16	9	1,059	535	696	363
374+50	50	8.6	0.9	16	4	1,075	539	701	373
375+00	50	8.5	2.4	16	3	1,091	542	705	385
375+50	50	13.3	11.3	20	13	1,111	555	722	389
376+00	50	14.0	27.4	25	36	1,136	591	768	368

DIVISION 1-12/CAT. 1000 (STA 344+30 - STA 399+16): STAGE 1 CONSTRUCTION - USH 10 (CONTINUED)

STATION	Distance	Area		Incremental		Cumulative Vol (CY)			Mass Ordinate
		Cut	Fill	Cut	Fill	Cut	Fill	Expanded Fill	
		(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	1.00 Note 3	1.00 Note 4	1.3	Note 5
376+50	50	14.9	12.8	27	37	1,163	628	817	346
377+00	50	12.7	14.3	26	25	1,189	653	849	339
377+50	50	13.0	13.0	24	25	1,212	679	882	330
378+00	50	13.0	18.6	24	29	1,237	708	920	316
378+50	50	11.3	15.5	23	32	1,259	739	961	298
379+00	50	13.0	15.2	22	28	1,282	768	998	283
379+50	50	11.1	12.8	22	26	1,304	794	1,032	272
380+00	50	13.9	16.2	23	27	1,327	821	1,067	260
380+03	3	13.6	15.5	2	2	1,329	822	1,069	260
380+29	26	12.9	17.4	13	16	1,341	838	1,090	252
380+50	21	13.1	21.0	10	15	1,351	853	1,109	242
380+54	4	13.1	22.9	2	3	1,353	856	1,113	240
381+00	46	17.1	13.2	26	31	1,379	887	1,153	226
381+50	50	17.7	11.3	32	23	1,411	910	1,183	229
382+00	50	15.3	12.4	31	22	1,442	932	1,211	231
382+03	3	15.4	11.9	2	1	1,444	933	1,213	231
382+50	47	3.9	10.7	17	20	1,460	953	1,238	222
383+00	50	5.0	5.7	8	15	1,469	968	1,258	211
383+50	50	4.2	4.2	9	9	1,477	977	1,270	207
384+00	50	5.4	1.9	9	6	1,486	983	1,277	209
384+50	50	3.8	5.6	9	7	1,495	989	1,286	208
385+00	50	6.7	9.3	10	14	1,504	1,003	1,304	200
385+50	50	5.0	8.1	11	16	1,515	1,019	1,325	190
386+00	50	5.0	0.8	9	8	1,524	1,028	1,336	189
386+50	50	3.3	3.0	8	3	1,532	1,031	1,340	192
387+00	50	3.9	0.4	7	3	1,539	1,034	1,344	194
387+50	50	4.1	0.0	7	0	1,546	1,035	1,345	201
388+00	50	3.0	0.9	7	1	1,553	1,035	1,346	207
388+50	50	3.0	0.2	6	1	1,558	1,036	1,347	211
389+00	50	3.9	1.5	6	2	1,565	1,038	1,349	215
389+50	50	7.7	0.0	11	1	1,575	1,039	1,351	224
390+00	50	12.2	0.0	18	0	1,594	1,039	1,351	243
390+50	50	15.9	0.0	26	0	1,620	1,039	1,351	269
391+00	50	7.5	0.2	22	0	1,642	1,039	1,351	290
391+50	50	7.8	0.0	14	0	1,656	1,040	1,351	304
392+00	50	6.0	0.1	13	0	1,668	1,040	1,352	317
392+50	50	6.2	0.0	11	0	1,680	1,040	1,352	328
393+00	50	5.8	0.2	11	0	1,691	1,040	1,352	339
393+50	50	3.9	1.2	9	1	1,700	1,041	1,354	346
394+00	50	5.1	0.1	8	1	1,708	1,042	1,355	353
394+50	50	6.6	0.1	11	0	1,719	1,042	1,355	364
395+00	50	5.3	0.6	11	1	1,730	1,043	1,356	374
395+50	50	5.9	0.1	10	1	1,740	1,044	1,357	384
396+00	50	4.6	0.6	10	1	1,750	1,044	1,358	393
396+50	50	3.8	0.2	8	1	1,758	1,045	1,358	399
397+00	50	7.6	166.4	11	154	1,768	1,199	1,559	209
397+23	23	9.1	167.7	7	142	1,776	1,342	1,744	32
397+48	25	8.0	160.0	8	152	1,784	1,493	1,941	-158
397+50	2	7.9	161.8	1	12	1,784	1,505	1,957	-173
397+73	23	7.6	177.8	7	145	1,791	1,650	2,145	-354
398+00	27	6.4	78.5	7	128	1,798	1,778	2,311	-514
398+50	50	19.4	0.0	24	73	1,822	1,851	2,406	-584
399+00	50	7.4	2.5	25	2	1,846	1,853	2,409	-562
399+16	16	11.0	0.0	5	1	1,852	1,854	2,410	-558
	Column totals			1,852	1,854				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	EARTHWORK DATA TABLES	SHEET	E

FILE NAME: ORIGINATOR: KL ENGINEERING, INC. ORIG. DATE: REV. DATE: PRINT DATE: May 1, 2019

DIVISION 1-13/CAT. 1000 (STA 405+20 - STA 416+20): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
405+20		8.5	0.0						
405+50	30	7.7	5.6	9	3	9	3	4	5
406+00	50	9.4	18.2	16	22	25	25	33	-8
406+50	50	10.9	65.9	19	78	44	103	134	-90
406+67	17	11.7	109.4	7	55	51	158	206	-155
406+92	25	11.6	90.8	11	93	62	251	326	-264
407+00	8	12.1	85.4	4	26	65	277	360	-295
407+17	17	13.6	66.6	8	48	73	325	422	-349
407+50	33	15.2	0.0	18	41	91	365	475	-384
408+00	50	22.2	0.0	35	0	125	365	475	-350
408+50	50	15.7	0.0	35	0	161	365	475	-315
409+00	50	9.5	0.0	23	0	184	365	475	-291
409+50	50	7.8	0.0	16	0	200	365	475	-275
410+00	50	6.5	0.0	13	0	213	365	475	-262
410+50	50	5.3	0.0	11	0	224	365	475	-251
411+00	50	5.7	0.0	10	0	234	365	475	-241
411+50	50	3.1	0.6	8	1	242	366	476	-234
412+00	50	2.1	150.6	5	140	247	506	658	-411
412+50	50	3.9	126.3	6	256	252	762	991	-739
413+00	50	3.0	118.4	6	227	259	989	1,286	-1,027
413+50	50	1.6	0.0	4	110	263	1,099	1,428	-1,165
414+00	50	1.6	26.4	3	24	266	1,123	1,460	-1,194
414+25	25	2.4	1.2	2	13	268	1,136	1,477	-1,209
414+50	25	5.1	1.9	3	1	271	1,137	1,479	-1,207
414+57	7	6.4	1.2	1	0	273	1,138	1,479	-1,206
414+83	26	15.1	0.0	10	1	283	1,138	1,480	-1,197
415+00	17	15.3	0.0	10	0	293	1,138	1,480	-1,187
415+08	8	18.1	0.0	5	0	298	1,138	1,480	-1,182
415+50	42	9.0	0.1	21	0	319	1,138	1,480	-1,161
416+00	50	6.3	4.3	14	4	333	1,143	1,485	-1,153
416+20	20	7.6	2.7	5	3	338	1,145	1,489	-1,151
			Column totals	338	1,145				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-14/CAT. 1000 (STA 429+43 - STA 435+82): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
429+43		2.2	89.9						
429+50	7	2.2	89.9	1	23	1	23	30	-30
430+00	50	2.2	77.9	4	155	5	179	232	-228
430+50	50	3.3	41.8	5	111	10	290	376	-367
431+00	50	4.4	43.2	7	79	17	368	479	-462
431+50	50	5.1	36.1	9	73	26	442	574	-548
432+00	50	4.5	29.5	9	61	35	502	653	-619
432+50	50	5.0	19.3	9	45	43	548	712	-668
433+00	50	6.7	13.3	11	30	54	578	751	-697
433+50	50	4.2	17.3	10	28	64	606	788	-723
434+00	50	3.0	23.2	7	38	71	643	837	-765
434+50	50	2.5	28.7	5	48	76	692	899	-823
435+00	50	3.1	30.0	5	54	81	746	970	-888
435+50	50	5.9	28.5	8	54	90	800	1,040	-951
435+82	32	5.9	28.5	7	34	96	834	1,084	-987
			Column totals	96	834				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-16/CAT. 1000 (STA 523+16 - STA 527+19): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
523+16		2.9	41.0						
523+50	34	2.9	41.0	4	52	4	52	67	-63
524+00	50	3.7	22.7	6	59	10	110	144	-134
524+50	50	7.5	6.4	10	27	20	137	179	-159
525+00	50	7.0	10.5	13	16	33	153	199	-166
525+21	21	6.9	10.8	5	8	39	161	210	-171
525+46	25	6.8	8.0	6	9	45	170	221	-176
525+50	4	7.1	7.6	1	1	46	171	223	-176
525+71	21	7.3	8.8	6	6	52	178	231	-179
526+00	29	6.3	9.3	7	10	59	187	243	-184
526+50	50	7.9	3.2	13	12	72	199	258	-186
527+00	50	6.1	1.2	13	4	85	203	264	-179
527+19	19	6.4	0.0	4	0	89	203	264	-175
			Column totals	89	203				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-17/CAT. 1000 (STA 544+34 - STA 522+37): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
544+34		24.4	0.0						
544+50	16	11.8	0.0	11	0	11	0	0	11
544+60	10	9.3	33.5	4	6	15	6	8	7
544+85	25	3.9	48.5	6	38	21	44	57	-37
545+00	15	4.2	50.6	2	28	23	72	93	-70
545+10	10	4.9	51.4	2	19	25	91	118	-93
545+40	30	2.8	15.2	4	37	29	128	166	-137
545+50	10	2.8	45.6	1	11	30	139	180	-150
546+00	50	4.4	43.6	7	83	37	221	288	-251
546+50	50	4.1	44.6	8	82	45	303	394	-349
547+00	50	4.0	45.8	8	84	52	387	503	-451
547+50	50	4.7	31.7	8	72	60	459	596	-536
548+00	50	10.1	13.3	14	42	74	500	650	-576
548+50	50	6.7	15.2	16	26	90	527	685	-595
549+00	50	5.2	16.0	11	29	101	555	722	-622
549+39	39	83.3	18.0	64	24	164	580	754	-589
549+50	11	6.2	11.2	18	6	183	586	762	-579
550+00	50	6.4	8.2	12	18	194	604	785	-591
550+41	41	5.5	12.5	9	16	203	620	805	-602
550+50	9	5.2	15.1	2	5	205	624	811	-606
550+66	16	4.8	17.4	3	10	208	634	824	-616
550+91	25	5.4	21.9	5	18	213	652	848	-635
551+00	9	5.7	20.1	2	7	215	659	857	-642
551+50	50	4.7	15.6	10	33	224	692	900	-676
552+00	50	6.5	6.8	10	21	235	713	927	-692
552+37	37	8.7	0.0	10	5	245	717	933	-688
			Column totals	245	717				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-18/CAT. 1000 (STA 0+20'S' - STA 3+06'S'): STAGE 1 CONSTRUCTION - 190TH STREET

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
0+20		6.1	40.5						
1+00	80	6.1	5.0	18	67	18	67	87	-69
1+15	15	5.4	3.4	3	2	21	70	90	-69
1+40	25	4.9	37.7	5	19	26	89	115	-89
1+50	10	4.9	32.3	2	13	28	102	132	-104
1+65	15	5.5	29.6	3	17	31	119	154	-124
2+00	35	7.6	0.1	8	19	39	138	179	-140
2+50	50	7.9	0.0	14	0	54	138	180	-126
3+00	50	6.2	0.0	13	0	67	138	180	-113
3+06	6	6.1	0.0	1	0	68	138	180	-112
			Column totals	68	138				

Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	EARTHWORK DATA TABLES	SHEET	E

FILE NAME: ORIGINATOR: KL ENGINEERING, INC. ORIG. DATE: REV. DATE: PRINT DATE: May 1, 2019

DIVISION 1-15/CAT. 1000 (STA 437+20 - STA 521+88): STAGE 1 CONSTRUCTION - USH 10

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
437+20		4.4	22.7						
437+50	30	4.4	4.4	5	15	5	15	20	-15
438+00	50	4.3	5.3	8	9	13	24	31	-18
438+50	50	4.8	3.9	8	8	21	32	42	-21
439+00	50	4.4	4.0	9	7	30	40	52	-22
439+50	50	5.2	3.0	9	6	39	46	60	-21
440+00	50	4.7	5.1	9	7	48	54	70	-22
440+50	50	4.3	5.8	8	10	56	64	83	-27
441+00	50	4.1	8.7	8	13	64	77	100	-36
441+50	50	4.0	9.5	7	17	71	94	122	-51
442+00	50	3.9	29.4	7	36	79	130	169	-90
442+50	50	4.2	24.8	7	50	86	180	234	-148
443+00	50	4.5	35.2	8	56	94	236	307	-212
443+50	50	3.7	10.1	8	42	102	278	361	-259
444+00	50	3.7	9.3	7	18	109	296	385	-276
444+50	50	4.0	11.4	7	19	116	315	410	-294
444+88	38	10.9	10.3	10	15	126	330	429	-303
445+00	12	10.4	9.6	5	4	131	335	435	-304
445+50	50	10.6	12.6	19	21	150	355	462	-312
446+00	50	12.1	13.2	21	24	171	379	493	-322
446+35	35	12.6	29.0	16	27	187	407	529	-341
446+50	15	12.9	23.9	7	15	194	421	548	-353
446+60	10	13.1	22.4	5	9	199	430	559	-360
446+85	25	14.1	17.6	13	19	212	448	583	-371
447+00	15	14.5	12.8	8	8	220	457	594	-374
447+50	50	11.1	1.3	24	13	243	470	611	-367
448+00	50	10.4	11.7	20	12	263	482	626	-363
448+50	50	10.4	7.2	19	17	283	499	649	-366
449+00	50	10.6	5.4	19	12	302	511	664	-362
449+50	50	10.5	10.3	19	14	322	525	683	-361
450+00	50	10.6	8.1	20	17	341	542	705	-364
450+50	50	9.6	7.9	19	15	360	557	724	-365
451+00	50	8.9	14.5	17	21	377	578	751	-374
451+50	50	8.9	11.5	16	24	393	602	783	-389
452+00	50	9.4	7.2	17	17	410	619	805	-395
452+50	50	11.8	3.9	20	10	430	630	818	-389
453+00	50	10.2	10.0	20	13	450	642	835	-385
453+50	50	9.7	14.7	18	23	469	665	865	-396
454+00	50	8.0	10.2	16	23	485	688	895	-410
454+50	50	8.5	13.7	15	22	500	710	924	-423
455+00	50	8.8	5.4	16	18	516	728	947	-430
455+50	50	8.5	7.0	16	11	532	740	961	-429
456+00	50	8.7	8.1	16	14	548	753	979	-431
456+50	50	10.7	39.4	18	44	566	797	1,037	-470
457+00	50	11.1	33.6	20	68	587	865	1,124	-538
457+50	50	11.2	45.0	21	73	607	938	1,219	-612
458+00	50	12.0	34.0	21	73	629	1,011	1,314	-685
458+03	3	12.0	32.8	1	4	630	1,015	1,319	-689
458+28	25	12.2	28.8	11	29	641	1,043	1,356	-715
458+50	22	11.4	32.2	10	25	651	1,068	1,388	-737
458+53	3	11.2	34.1	1	4	652	1,072	1,393	-741
459+00	47	10.2	30.5	19	56	671	1,128	1,466	-795
459+50	50	10.3	13.1	19	40	690	1,168	1,519	-829
460+00	50	12.0	5.9	21	18	710	1,186	1,541	-831
460+50	50	4.3	7.5	15	12	725	1,198	1,558	-832
461+00	50	3.8	5.5	8	12	733	1,210	1,573	-840
461+50	50	3.8	8.1	7	13	740	1,223	1,590	-850
462+00	50	4.1	6.1	7	13	747	1,236	1,607	-860
462+50	50	4.7	6.5	8	12	755	1,248	1,622	-867
462+79	29	3.4	9.6	4	9	760	1,256	1,633	-873
462+98	19	2.6	8.5	2	6	762	1,263	1,641	-879
463+00	2	2.5	12.1	0	1	762	1,263	1,642	-880
463+23	23	4.1	5.8	3	8	765	1,271	1,652	-887
463+50	27	6.8	0.2	5	3	770	1,274	1,656	-886
463+96	46	3.0	2.8	8	3	779	1,276	1,659	-881
464+00	4	2.8	4.1	0	1	779	1,277	1,660	-881
464+21	21	2.6	10.9	2	6	781	1,283	1,668	-887
464+45	24	4.1	11.3	3	10	784	1,293	1,681	-896
464+50	5	4.2	10.8	1	2	785	1,295	1,683	-898
465+00	50	4.1	7.8	8	17	793	1,312	1,706	-913
465+50	50	4.4	5.1	8	12	800	1,324	1,721	-921
466+00	50	3.5	84.6	7	83	808	1,407	1,829	-1,021

DIVISION 1-15/CAT. 1000 (STA 437+20 - STA 521+88): STAGE 1 CONSTRUCTION - USH 10 (CONTINUED)

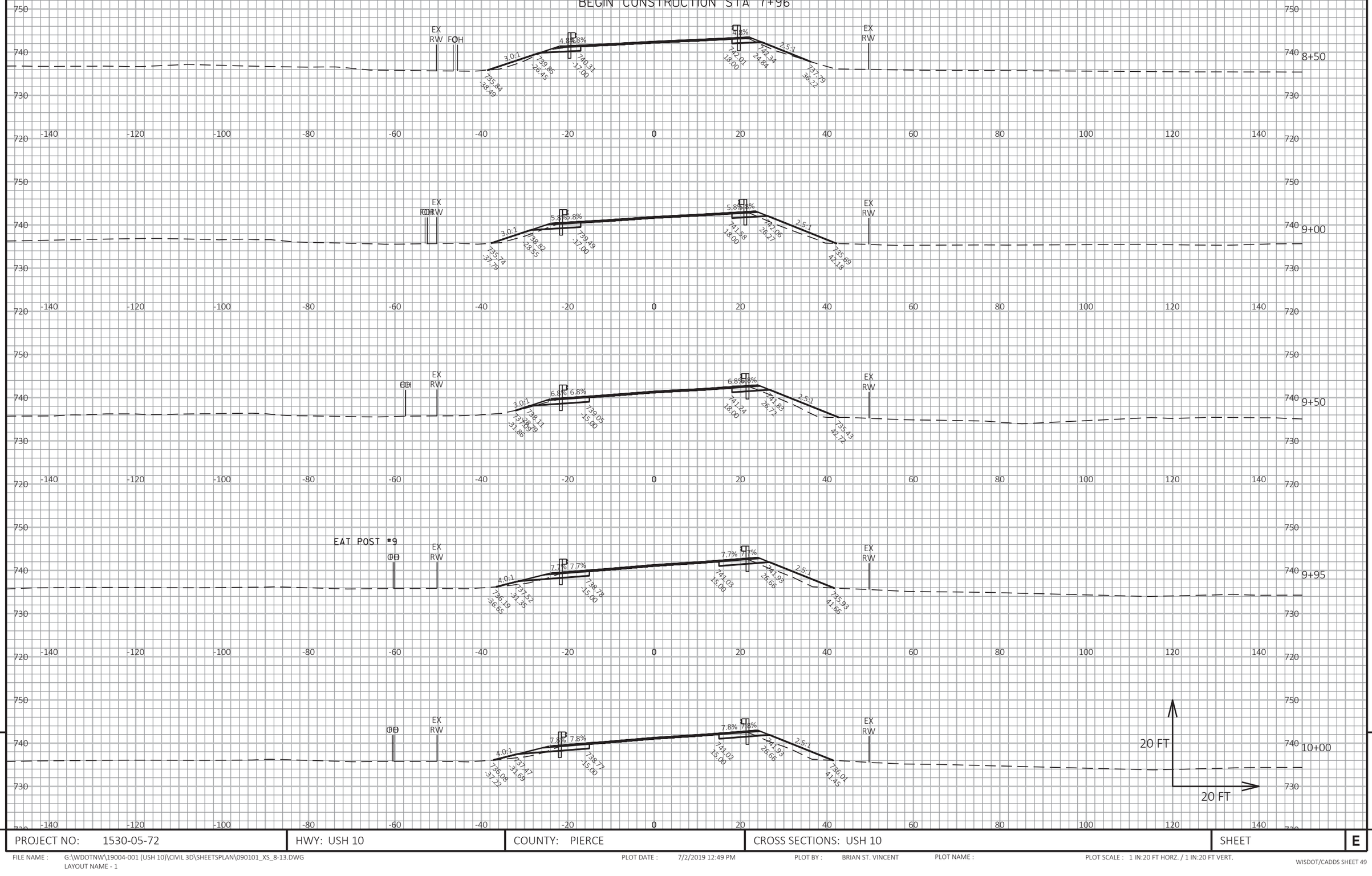
STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
466+50	50	3.9	73.9	7	147	814	1,554	2,020	-1,205
467+00	50	2.8	68.6	6	132	821	1,686	2,191	-1,371
467+50	50	3.2	49.2	6	109	826	1,795	2,333	-1,507
468+00	50	12.9	59.0	15	100	841	1,895	2,464	-1,622
468+50	50	6.6	95.0	18	143	859	2,038	2,649	-1,790
469+00	50	5.5	116.5	11	196	870	2,233	2,903	-2,033
469+50	50	5.8	65.0	10	168	881	2,401	3,122	-2,241
470+00	50	12.1	103.0	17	156	898	2,557	3,324	-2,426
470+14	14	12.0	131.0	6	61	904	2,617	3,403	-2,499
470+39	25	10.4	163.8	10	136	914	2,754	3,580	-2,666
470+50	11	10.2	163.1	4	67	918	2,821	3,667	-2,748
470+64	14	10.1	147.0	5	80	924	2,901	3,771	-2,848
471+00	36	9.9	79.7	13	151	937	3,052	3,968	-3,031
471+50	50	10.9	105.3	19	171	956	3,223	4,190	-3,234
472+00	50	11.2	36.6	20	131	977	3,355	4,361	-3,385
472+11	11	11.7	31.3	5	14	981	3,369	4,379	-3,398
472+50	39	3.3	47.9	11	57	992	3,426	4,454	-3,462
473+00	50	3.8	51.0	7	92	998	3,517	4,573	-3,574
473+50	50	4.2	14.3	7	60	1,006	3,578	4,651	-3,645
474+00	50	3.7	11.5	7	24	1,013	3,602	4,682	-3,669
474+50	50	3.7	9.6	7	20	1,020	3,621	4,707	-3,687
475+00	50	4.7	10.2	8	18	1,028	3,639	4,731	-3,704
475+50	50	4.8	9.0	9	18	1,036	3,657	4,754	-3,718
476+00	50	5.3	6.2	9	14	1,046	3,671	4,773	-3,727
476+50	50	5.1	6.9	10	12	1,055	3,683	4,788	-3,733
477+00	50	4.0	5.6	8	12	1,064	3,695	4,803	-3,740
477+50	50	5.0	6.4	8	11	1,072	3,706	4,818	-3,746
478+00	50	4.2	18.0	9	23	1,081	3,729	4,847	-3,767
478+50	50	4.2	11.2	8	27	1,088	3,756	4,882	-3,794
479+00	50	4.0	5.9	8	16	1,096	3,772	4,903	-3,807
479+50	50	4.0	19.2	7	23	1,103	3,795	4,933	-3,830
480+00	50	4.1	16.2	7	33	1,111	3,828	4,976	-3,865
480+50	50	3.9	5.7	7	20	1,118	3,848	5,002	-3,884
481+00	50	3.0	16.9	6	21	1,125	3,869	5,029	-3,905
481+50	50	2.5	7.5	5	23	1,130	3,891	5,059	-3,929
482+00	50	4.0	2.3	6	9	1,136	3,900	5,070	-3,935
482+50	50	2.3	6.7	6	8	1,142	3,909	5,081	-3,939
483+00	50	2.9	4.5	5	10	1,146	3,919	5,095	-3,948
483+50	50	2.8	3.5	5	7	1,152	3,926	5,104	-3,952
484+00	50	2.8	2.1	5	5	1,157	3,931	5,111	-3,954
484+50	50	3.6	2.0	6	4	1,163	3,935	5,116	-3,953
485+00	50	3.6	1.8	7	4	1,169	3,939	5,120	-3,951
485+50	50	3.5	2.3	6	4	1,176	3,943	5,125	-3,949
486+00	50	3.6	1.7	7	4	1,182	3,946	5,130	-3,948
486+50	50	3.9	1.5	7	3	1,189	3,949	5,134	-3,944
487+00	50	3.6	1.1	7	2	1,196	3,952	5,137	-3,941
487+50	50	4.1	1.1	7	2	1,204	3,954	5,140	-3,936
488+00	50	3.5	2.0	7	3	1,211	3,956	5,143	-3,933
488+50	50	2.5	3.4	6	5	1,216	3,961	5,150	-3,934
489+00	50	1.0	11.3	3	14	1,219	3,975	5,168	-3,948
489+50	50	2.2	6.7	3	17	1,222	3,992	5,189	-3,967
490+00	50	3.3	3.0	5	9	1,227	4,001	5,201	-3,974
490+50	50	2.6	4.5	5	7	1,233	4,008	5,210	-3,977
491+00	50	2.9	2.1	5	6	1,238	4,014	5,218	-3,980
491+50	50	3.8	2.2	6	4	1,244	4,018	5,223	-3,979
492+00	50	3.8	3.2	7	5	1,251	4,023	5,230	-3,979
492+50	50	4.1	0.8	7	4	1,259	4,027	5,235	-3,976
493+00	50	3.8	4.5	7	5	1,266	4,031	5,241	-3,975
493+50	50	4.7	5.6	8	9	1,274	4,041	5,253	-3,979
494+00	50	4.0	3.1	8	8	1,282	4,049	5,263	-3,982
494+50	50	4.0	7.6	7	10	1,289	4,059	5,276	-3,987
495+00	50	2.1	6.7	6	13	1,295	4,072	5,294	-3,999
495+50	50	2.9	2.2	5	8	1,300	4,080	5,304	-4,005
496+00	50	3.3	1.2	6	3	1,305	4,083	5,308	-4,003
496+50	50	4.4	2.0	7	3	1,312	4,086	5,312	-4,000
497+00	50	3.4	1.9	7	4	1,320	4,090	5,317	-3,997
497+50	50	1.1	5.1	4	6	1,324	4,096	5,325	-4,001
498+00	50	1.6	3.0	3	8	1,326	4,104	5,335	-4,009
498+50	50	1.2	4.6	3	7	1,329	4,111	5,344	-4,015
499+00	50	0.6	8.9	2	12	1,331	4,123	5,360	-4,029
499+50	50	0.4	10.6	1	18	1,332	4,141	5,384	-4,052
500+00	50	1.0	6.6	1	16	1,333	4,157	5,404	-4,071
500+50	50	1.8	4.2	3	10	1,336	4,167	5,417	-4,082

DIVISION 1-15/CAT. 1000 (STA 437+20 - STA 521+88): STAGE 1 CONSTRUCTION - USH 10 (CONTINUED)

STATION	Distance	Area Cut (SF)	Area Fill (SF)	Incremental Cut Note 1 (CY)	Incremental Fill Note 2 (CY)	Cumulative Vol (CY) Cut 1.00 Note 3	Cumulative Vol (CY) Fill 1.00 Note 4	Cumulative Vol (CY) Expanded Fill 1.3	Mass Ordinate Note 5
501+00	50	3.0	2.1	4	6	1,340	4,173	5,425	-4,085
501+50	50	3.6	1.3	6	3	1,346	4,176	5,429	-4,083
502+00	50	4.3	6.8	7	7	1,353	4,184	5,439	-4,085
502+50	50	4.4	5.3	8	11	1,361	4,195	5,453	-4,092
503+00	50	4.2	7.5	8	12	1,369	4,207	5,469	-4,099
503+50	50	4.0	7.4	8	14	1,377	4,220	5,486	-4,110
504+00	50	3.3	7.0	7	13	1,384	4,234	5,504	-4,120
504+50	50	3.8	4.8	7	11	1,390	4,244	5,518	-4,128
505+00	50	5.2	4.3	8	8	1,399	4,253	5,529	-4,130
505+50	50	5.8	4.4	10	8	1,409	4,261	5,539	-4,130
506+00	50	4.8	5.6	10	9	1,419	4,270	5,551	-4,133
506+50	50	4.5	5.5	9	10	1,427	4,280	5,565	-4,138
507+00	50	4.0	5.5	8	10	1,435	4,291	5,578	-4,143
507+50	50	4.8	8.7	8	13	1,443	4,304	5,595	-4,152
508+00	50	4.8	4.6	9	12	1,452	4,316	5,611	-4,159
508+50	50	2.3	1.0	7	5	1,458	4,321	5,617	-4,159
509+00	50	3.3	3.9	5	5	1,464	4,326	5,623	-4,160
509+50	50	3.9	7.0	7	10	1,470	4,336	5,636	-4,166
510+00	50	4.7	14.9	8	20	1,478	4,356	5,663	-4,185
510+50	50	5.2	8.4	9	22	1,487	4,378	5,691	-4,204
511+00	50	4.2	10.2	9	17	1,496	4,395	5,713	-4,217
511+50	50	3.3	8.3	7	17	1,503	4,412	5,735	-4,233
512+00	50	4.1	11.2	7	18	1,510	4,430	5,759	-4,249
512+50	50	2.9	21.6	7	30	1,516	4,460	5,798	-4,282
513+00	50	2.2	17.2	5	36	1,521	4,496	5,845	-4,324
513+50	50	3.8	18.7	6	33	1,527	4,530	5,888	-4,362
514+00	50	3.1	14.2	6	30	1,533	4,560	5,928	-4,395
514+50	50	3.4	13.9	6	26	1,539	4,586	5,962	-4,423
515+00	50	3.6	18.0	6	30	1,545	4,616	6,000	-4,455
515+50	50	2.7	49.2	6	62	1,551	4,678	6,081	-4,530
516+00	50	5.0	58.9	7	100	1,558	4,778	6,211	-4,653
516+50	50	4.8	57.6	9	108	1,567	4,886	6,351	-4,784
517+00	50	5.3	60.4	9	109	1,577	4,995	6,493	-4,917
517+50	50	6.1	51.8	11	104	1,587	5,099	6,628	-5,041
518+00	50	5.5	54.2	11	98	1,598	5,197	6,756	-5,158
518+50	50	4.8	67.9	9	113	1,607	5,310	6,903	-5,295
519+00	50	8.1	87.2	12	144	1,619	5,453	7,089	-5,470
519+50	50	6.7	99.1	14	172	1,633	5,626	7,314	-5,681
520+00	50	5.4	100.3	11	185	1,644	5,810	7,554	-5,910
520+50	50	2.7	108.9	8	194	1,652	6,004	7,805	-6,154
521+00	50	3.5	87.0	6	181	1,657	6,186	8,041	-6,384
521+50	50	4.2	92.3	7	166	1,664	6,352	8,257	-6,593
521+88	38	4.2	22.8	6	81	1,670	6,433	8,362	-6,692
			Column totals	1,670	6,433				

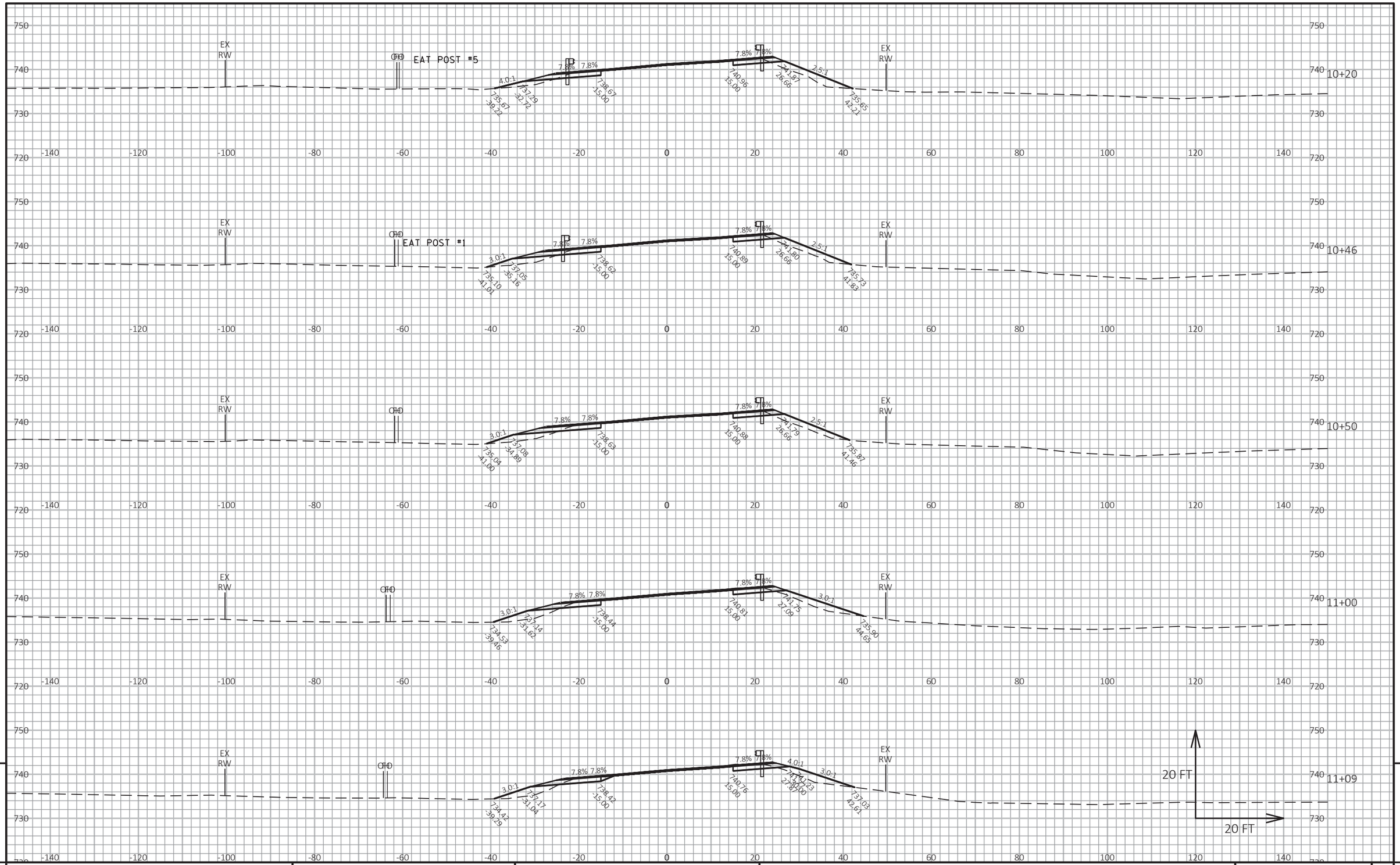
Notes:
1 - Cut: Cut includes Salvaged/Unusable Pavement Material
2 - Fill: Does not include Unusable Pavement Excavation volume
3 - Cut: Cut includes Salvaged/Unusable Pavement Material
4 - Fill: Does not include Unusable Pavement Excavation volume
5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

BEGIN CONSTRUCTION STA 7+96



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_8-13.DWG
LAYOUT NAME - 1
PLOT DATE : 7/2/2019 12:49 PM
PLOT BY : BRIAN ST. VINCENT
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_8-13.DWG
LAYOUT NAME - 2

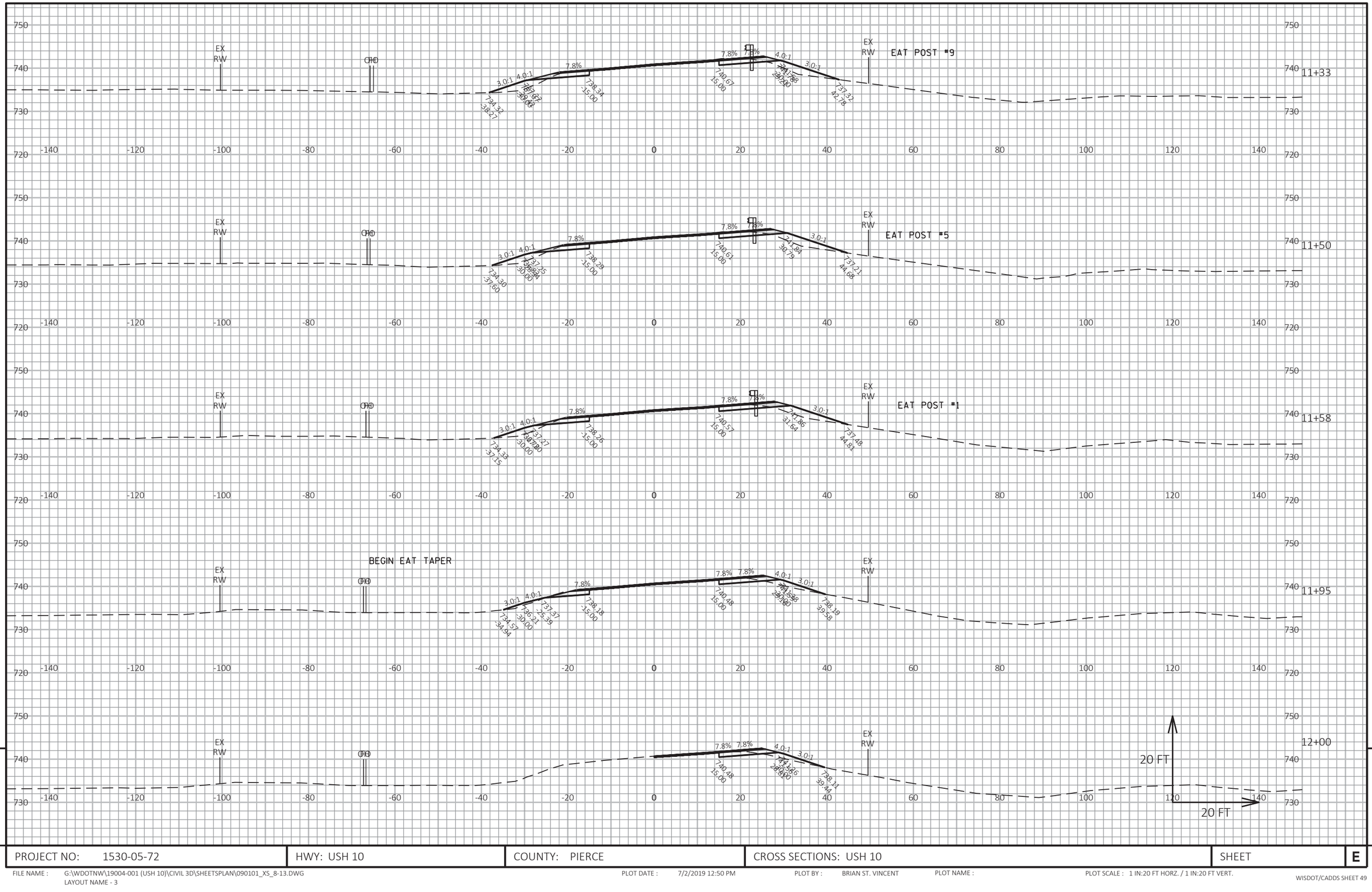
PLOT DATE : 7/2/2019 12:49 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_8-13.DWG
LAYOUT NAME - 3

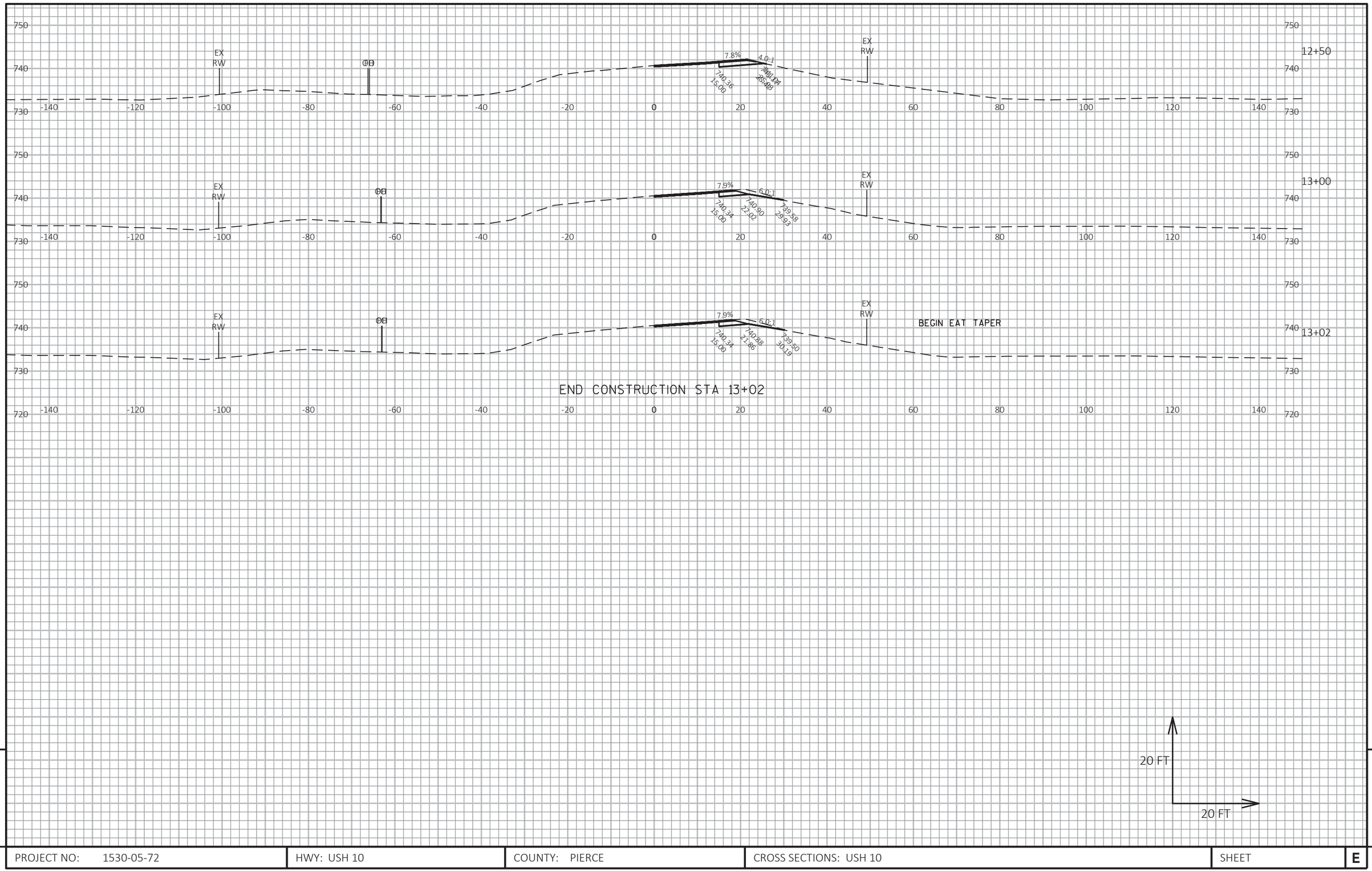
PLOT DATE : 7/2/2019 12:50 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_8-13.DWG
LAYOUT NAME - 4

PLOT DATE : 7/2/2019 12:50 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

BEGIN CONSTRUCTION STA 32+07

BEGIN EAT TAPER

EX ELEC RW FO

3.0:1 4.0:1 6.2% 4.0:1 3.0:1

728.50 47.31 734.27 30.00 735.58 24.76 736.18 15.00 738.09 15.00 738.53 22.07 735.00 30.00 731.86 47.04

EX RW

32+07

BEGIN EAT TAPER

EX ELEC RW FO

3.0:1 4.0:1 6.2% 4.0:1 3.0:1

728.33 48.11 734.36 30.00 735.38 25.12 736.21 15.00 738.09 15.00 738.53 22.07 735.00 30.00 731.86 47.04

EX RW

32+12

EX ELEC RW FO

3.0:1 4.0:1 6.2% 6.2% 4.0:1 3.0:1

731.54 40.45 732.83 30.00 735.62 25.50 736.40 15.00 738.29 15.00 738.88 24.62 737.54 30.00 731.86 47.04

EX RW

32+50

EX ELEC RW FO

3.0:1 4.0:1 6.2% 6.2% 4.0:1 3.0:1

731.47 41.31 734.27 30.00 735.63 24.93 736.61 15.00 738.44 15.00 738.74 27.08 735.00 30.00 729.60 57.41

EX RW

33+00

EAT POST #1

EX ELEC RW FO

3.0:1 4.0:1 6.2% 6.2% 4.0:1 3.0:1

732.10 42.72 734.36 30.00 735.70 25.90 736.75 15.00 738.54 15.00 738.75 28.00 735.00 30.00 729.60 58.62

EX RW

33+15

20 FT

20 FT

9

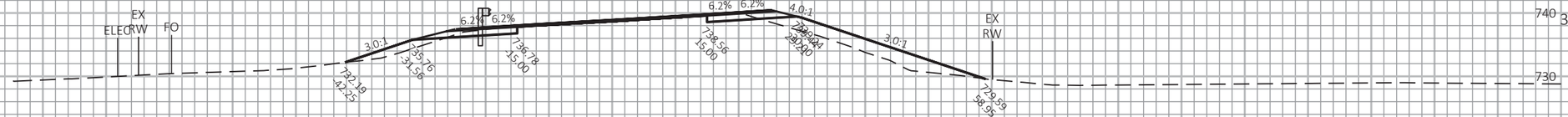
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_32-38.DWG
LAYOUT NAME - 4

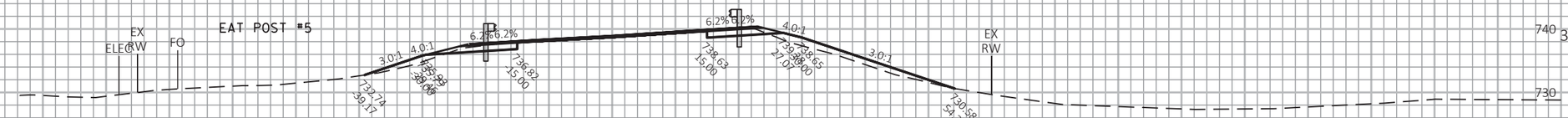
PLOT DATE : 7/2/2019 1:00 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

EAT POST #1



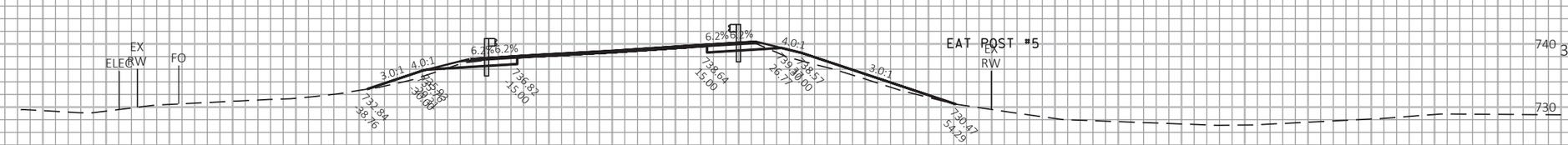
33+18

EAT POST #5

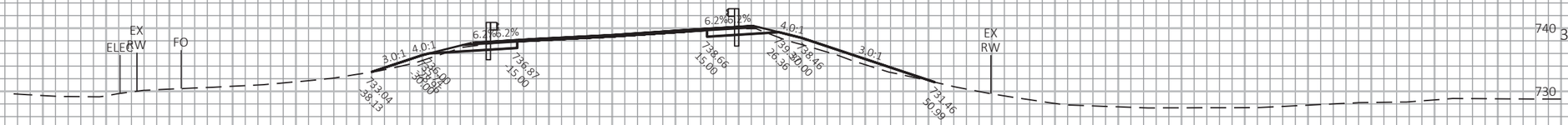


33+40

EAT POST #5

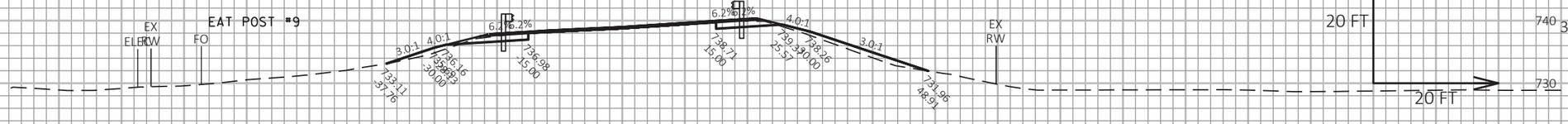


33+43



33+50

EAT POST #9



33+65

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_32-38.DWG
LAYOUT NAME - 5

PLOT DATE : 7/2/2019 1:00 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

EAT POST #9

33+68

EX RW
FO
3.0:1
4.0:1
6.2%
733.00
39.07
736.18
35.82
737.00
15.00
738.72
15.00
739.23
25.44
736.23
30.00
3.0:1
734.92
48.94

34+00

EX RW
FO
3.0:1
4.0:1
6.2%
732.65
38.49
736.29
35.71
737.02
15.00
738.79
15.00
739.86
24.14
737.89
30.00
3.0:1
734.58
39.95

34+50

EX RW
FO
3.0:1
4.0:1
6.2%
733.76
34.48
736.25
35.75
736.94
15.00
738.62
15.00
739.09
22.46
736.57
30.00
3.0:1
734.37
36.61

MATCH STRUCTURE B-47-13

35+50

EX RW
FO
3.0:1
4.0:1
6.2%
734.43
31.00
736.42
24.04
736.98
15.00
738.68
15.00
739.14
22.36
736.59
30.00
3.0:1
729.79
50.40

MATCH STRUCTURE B-47-13

36+00

EX RW
FO
ELEC
3.0:1
4.0:1
6.2%
733.93
34.32
736.23
35.80
736.96
15.00
738.72
15.00
739.23
23.11
736.67
30.00
3.0:1
736.04
36.67

20 FT
20 FT

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_32-38.DWG
LAYOUT NAME - 6

PLOT DATE : 7/2/2019 1:01 PM

PLOT BY : BRIAN ST. VINCENT

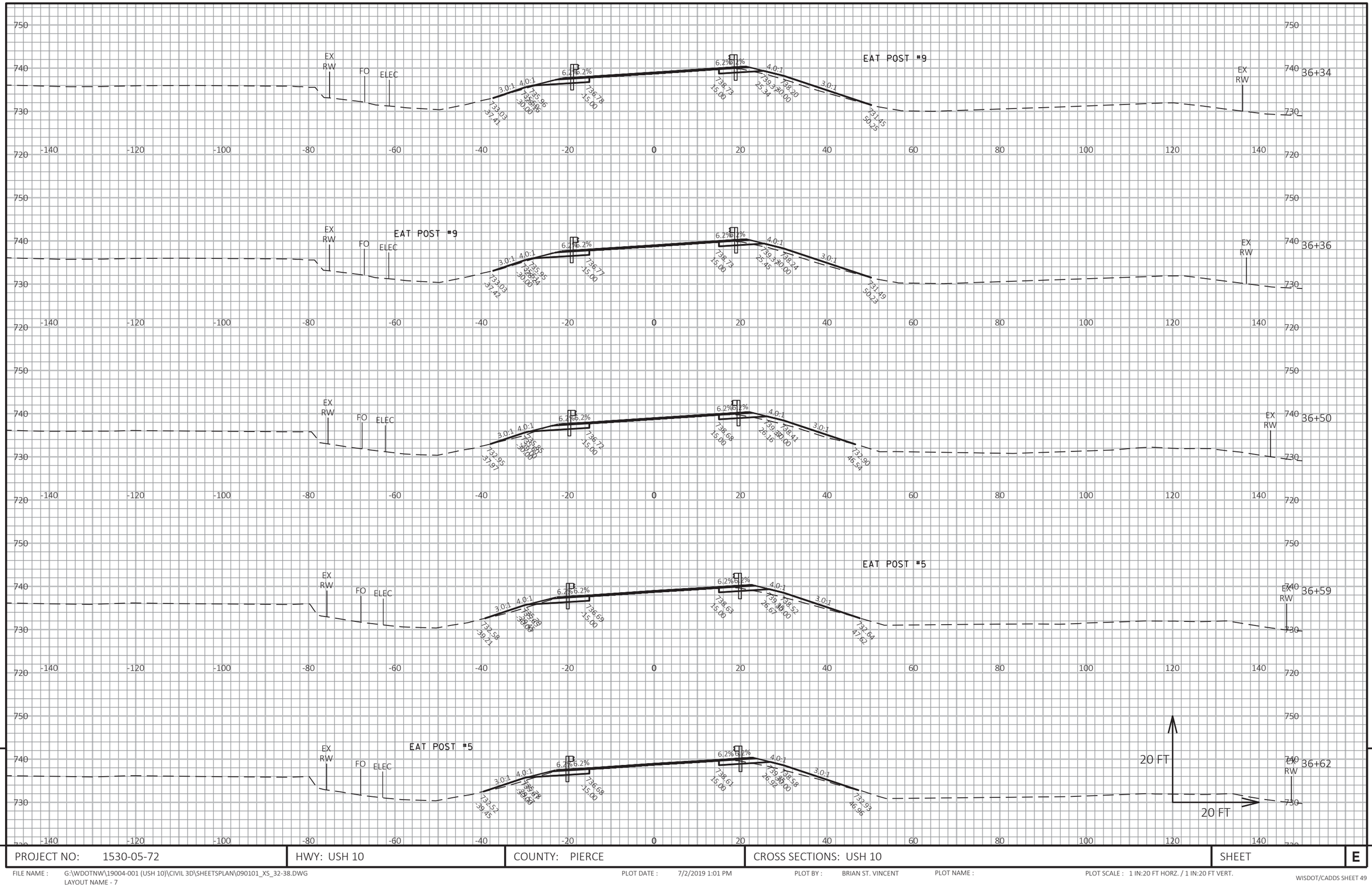
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

9

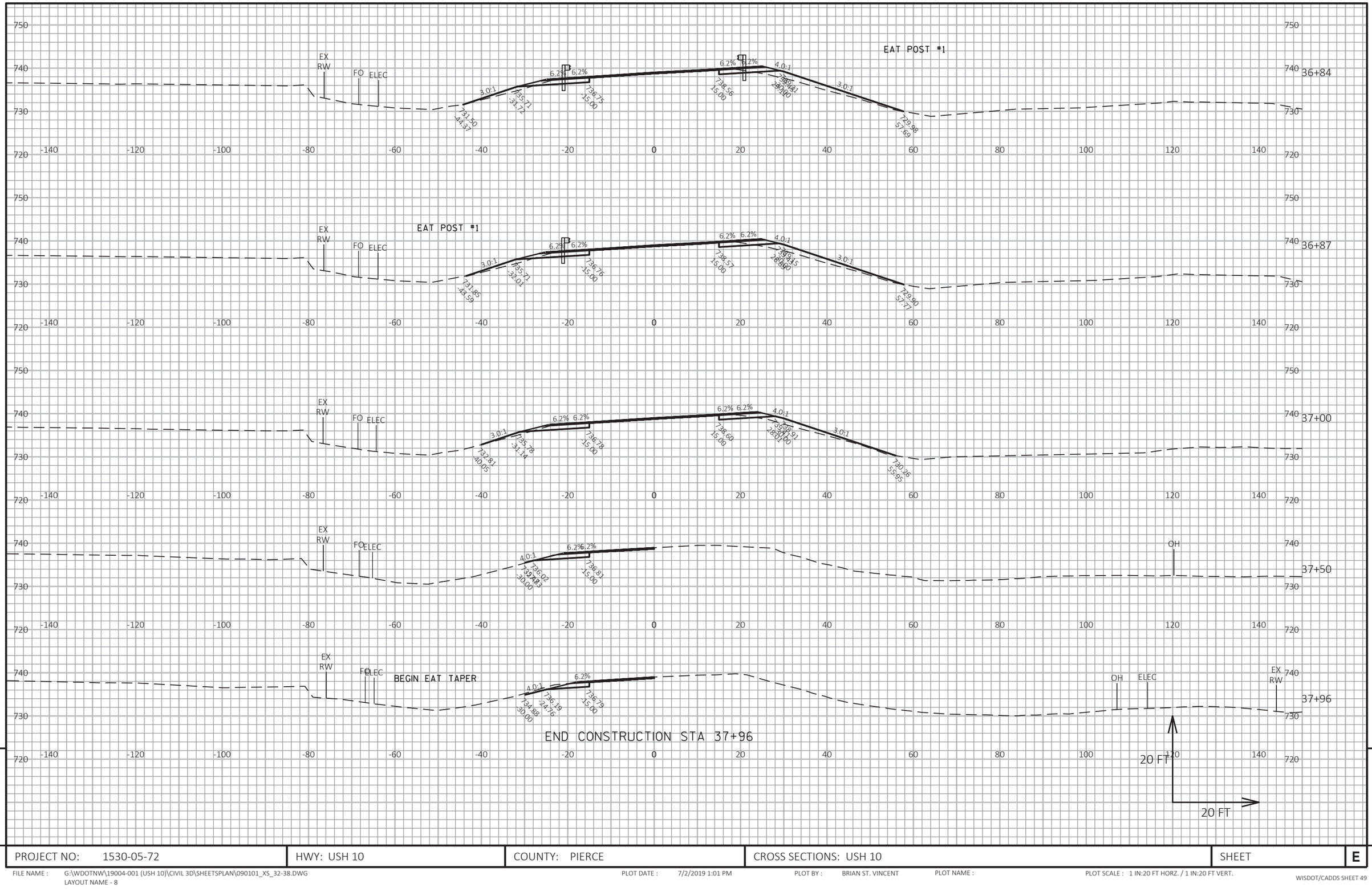


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_32-38.DWG
LAYOUT NAME - 7

PLOT DATE : 7/2/2019 1:01 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_32-38.DWG
LAYOUT NAME - 8

PLOT DATE : 7/2/2019 1:01 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION STA 45+99

BEGIN EAT TAPER

45+99

EX RW
10.0:1
6.2%
752.72
21.84
753.02
24.92
753.63
-15.00
OH
FO

46+00

EX RW
10.0:1
6.2%
752.75
27.88
753.04
24.95
753.66
-15.00
OH
FO

46+50

EX RW
10.0:1
6.2%
6.2%
754.67
36.61
755.52
28.10
756.34
-15.00
FO
OH

47+00

EX RW
10.0:1
4.6%
4.6%
756.80
46.36
758.37
30.72
759.09
-15.00
FO
OH

EAT POST #1

47+47

EX RW
4.0:1
10.0%
4.0%
761.19
34.57
762.89
27.77
763.00
761.67
-19.07
761.99
-18.00
FO
OH

47+50

EX RW
4.0:1
10.0%
4.0%
761.20
35.07
762.89
27.49
763.00
761.86
-19.07
762.18
-18.00
FO
OH

20 FT
20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 10

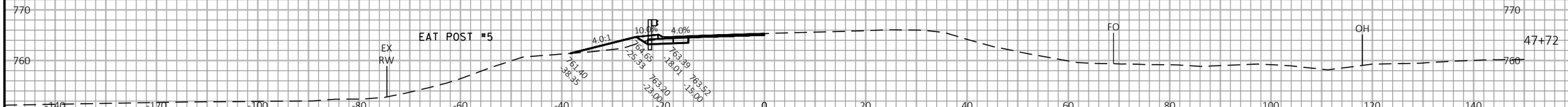
PLOT DATE : 7/3/2019 12:35 PM

PLOT BY : BRIAN ST. VINCENT

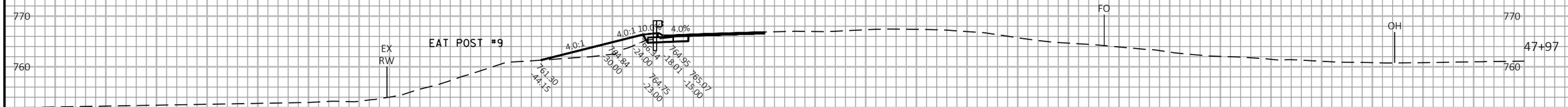
PLOT NAME :

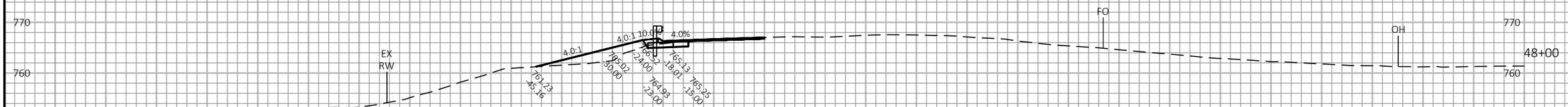
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

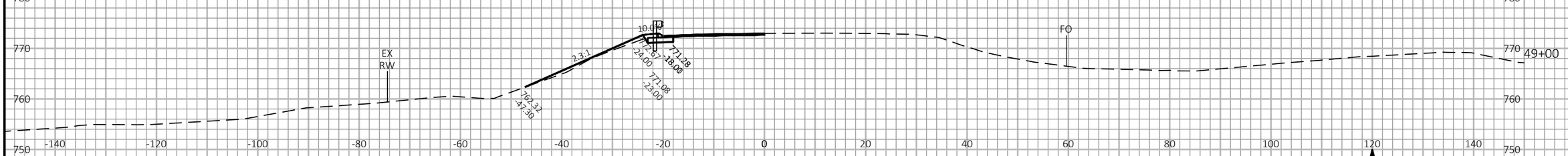
EAT POST #5



EAT POST #9







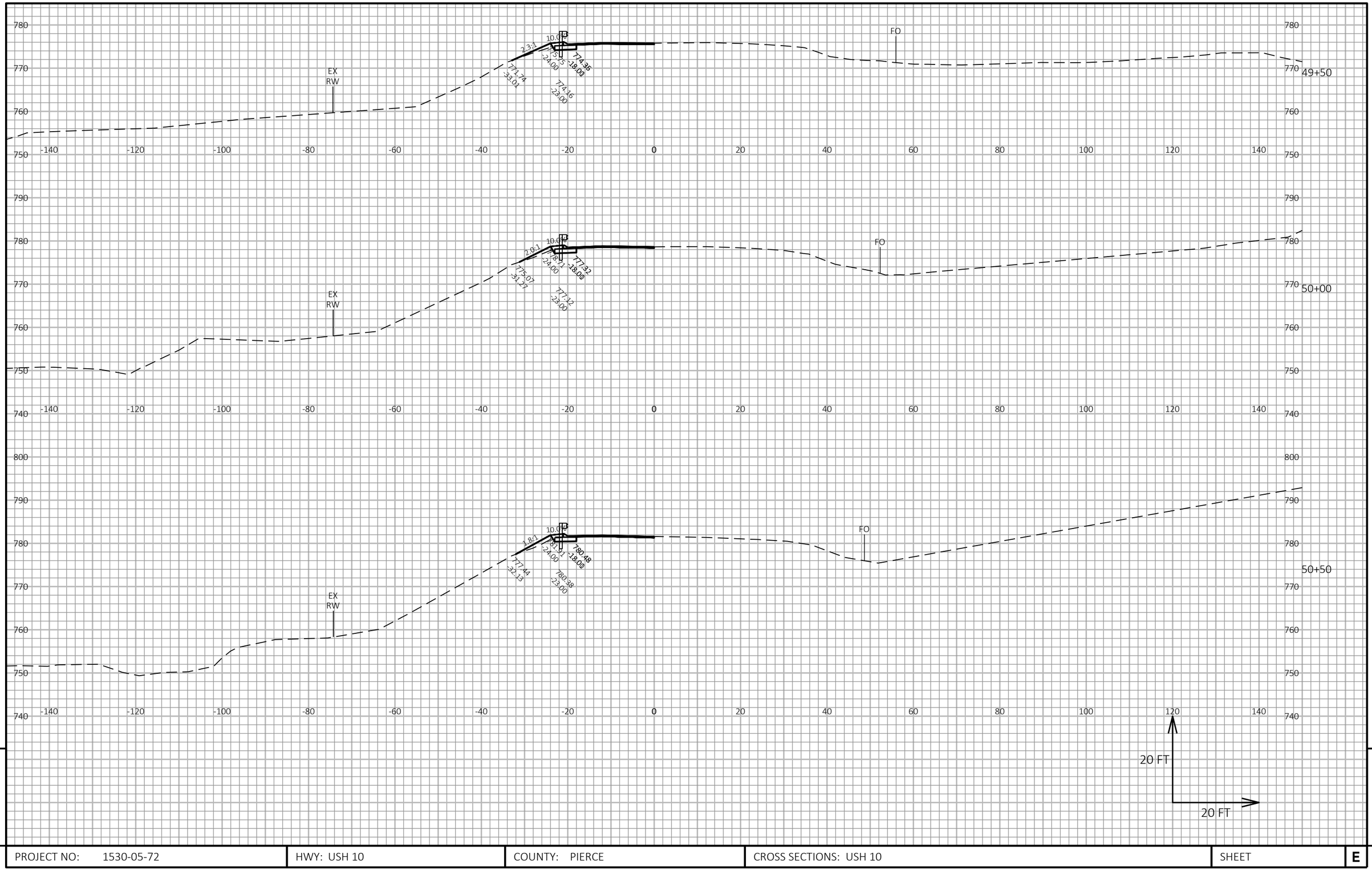
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 11

PLOT DATE : 7/3/2019 12:36 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

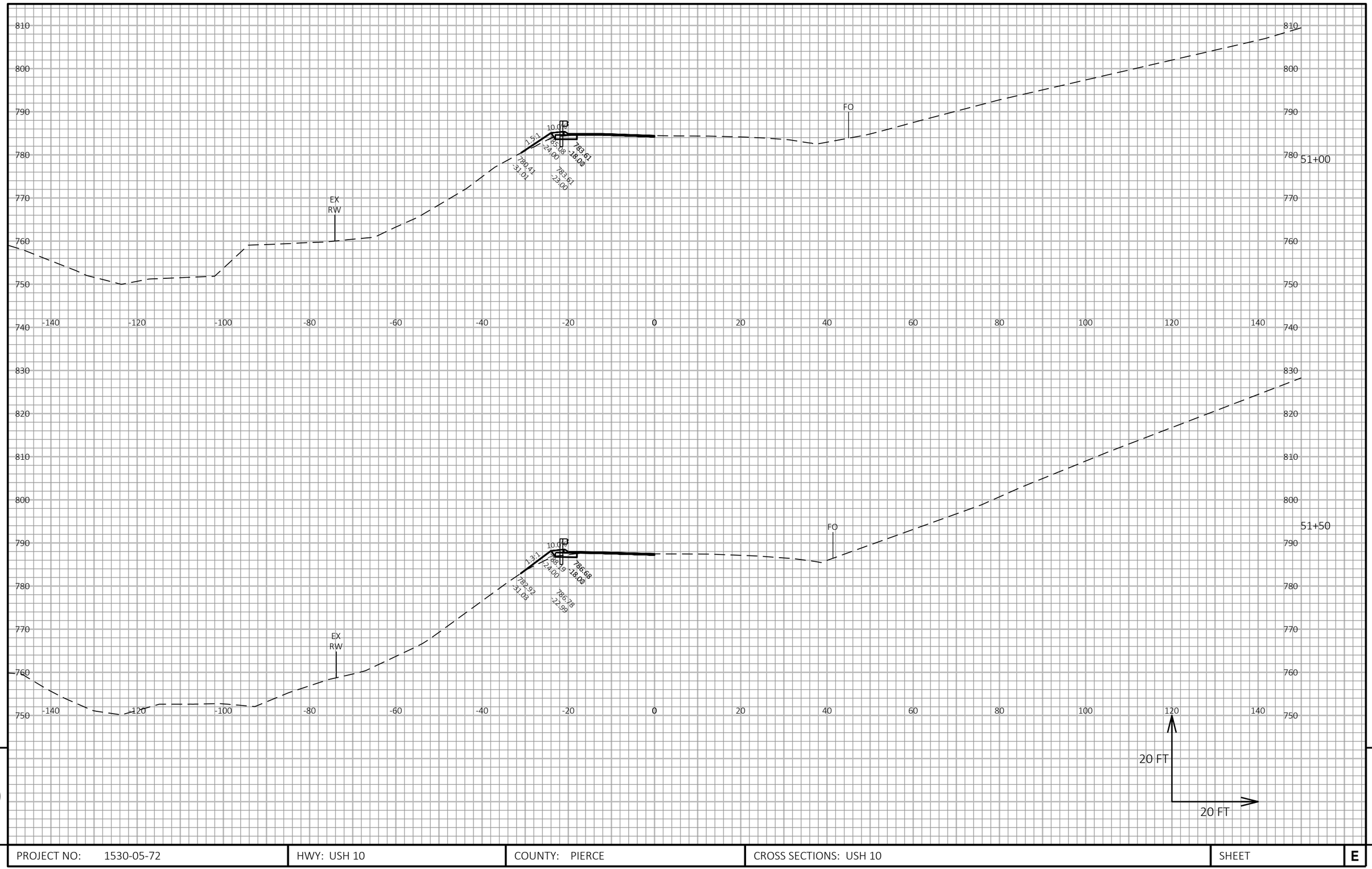


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 12

PLOT DATE : 7/3/2019 12:36 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 13

PLOT DATE : 7/3/2019 12:36 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

840
830
820
810
800
790
780
770
760
750

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

52+00

EX
RW

FO

10.00
7.57
791.30
124.00
784.33
-30.46
789.78
-18.00
789.80
-22.99

20 FT

20 FT

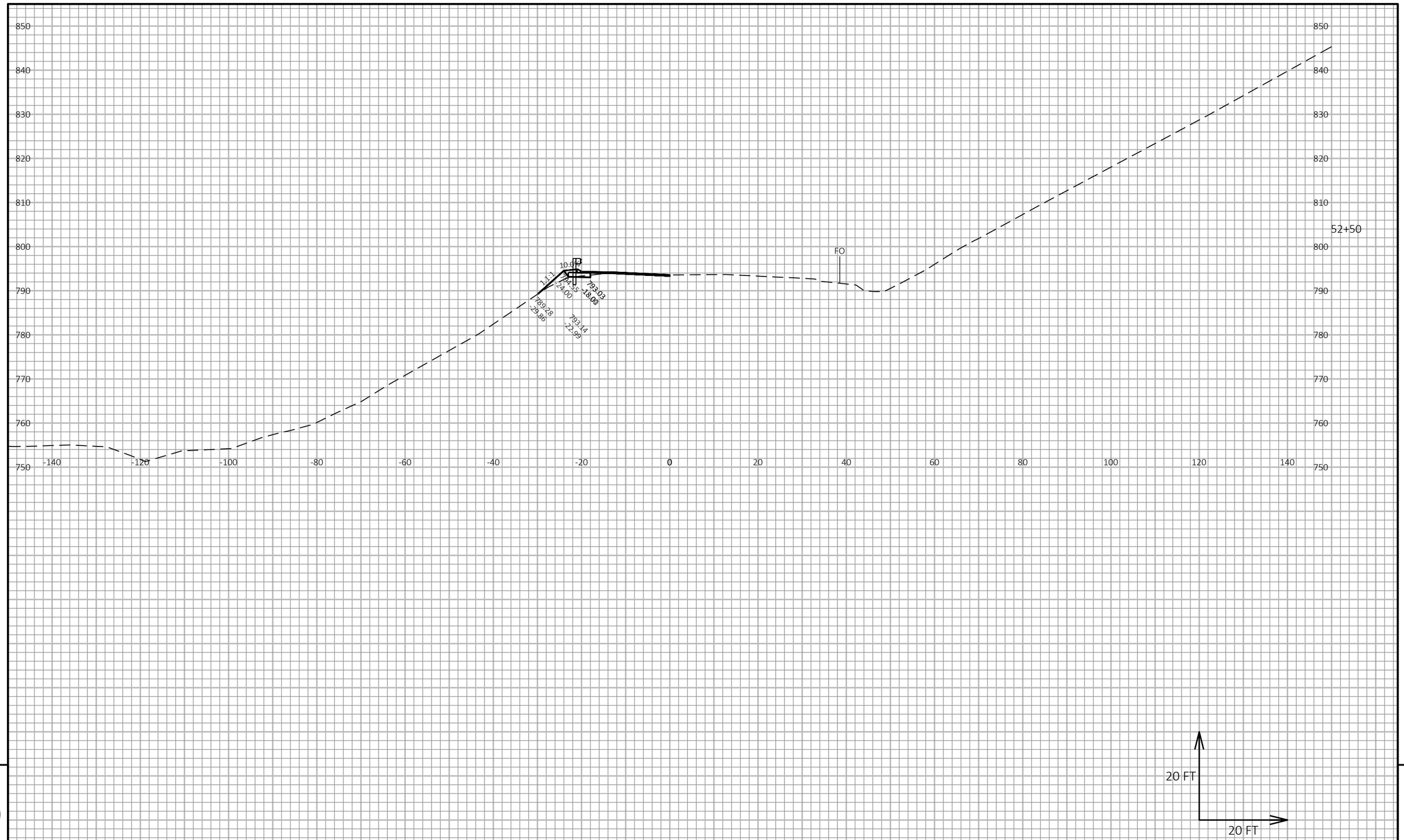
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 14

PLOT DATE : 7/3/2019 12:37 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

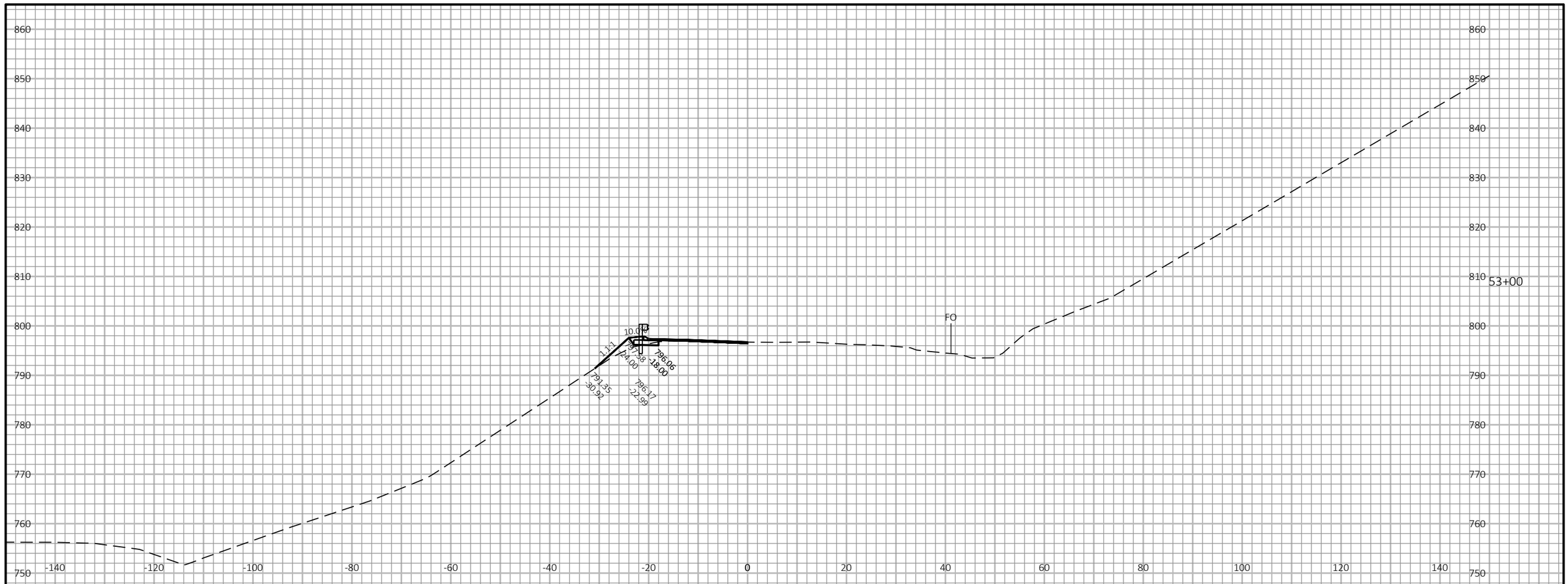
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 15

PLOT DATE : 7/3/2019 12:37 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 16

PLOT DATE : 7/3/2019 12:37 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

860
850
840
830
820
810
800
790
780
770
760
750

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

53+50

FO

10.00
1:4:1
1:4:00
799.02
-18.00
792.55
-35.41
789.13
-22.99

20 FT
20 FT

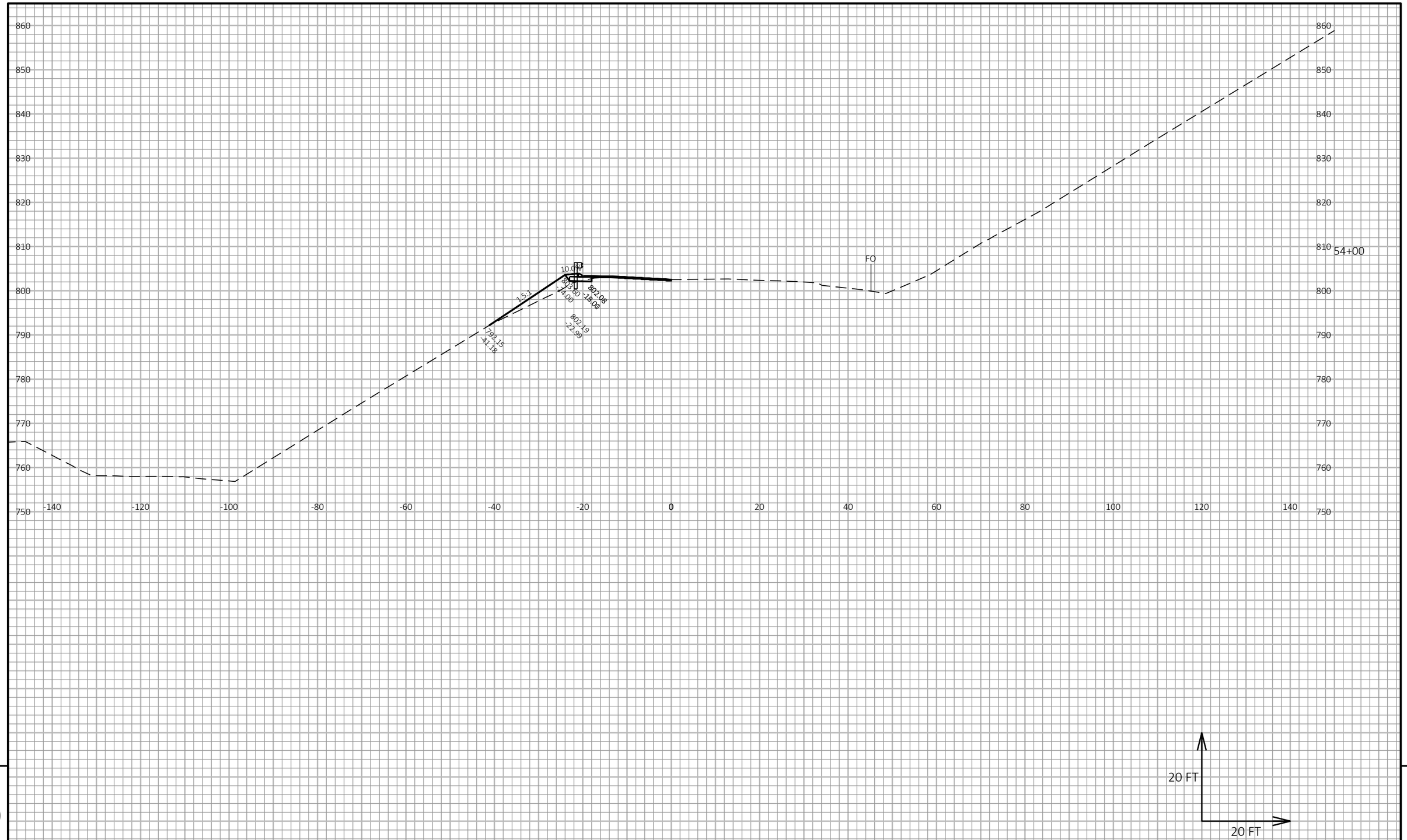
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 17

PLOT DATE : 7/3/2019 12:38 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



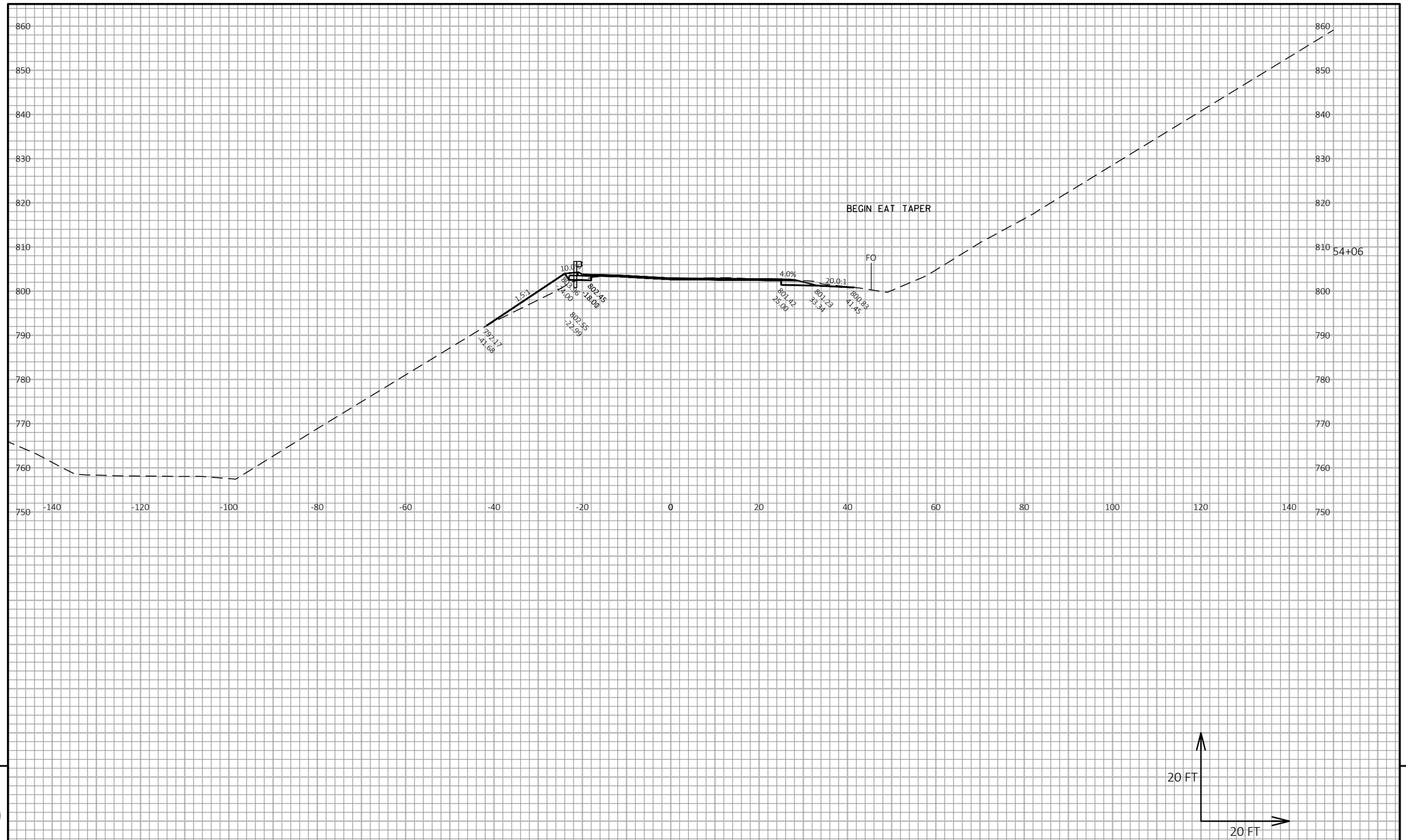
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 18

PLOT DATE : 7/3/2019 12:38 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



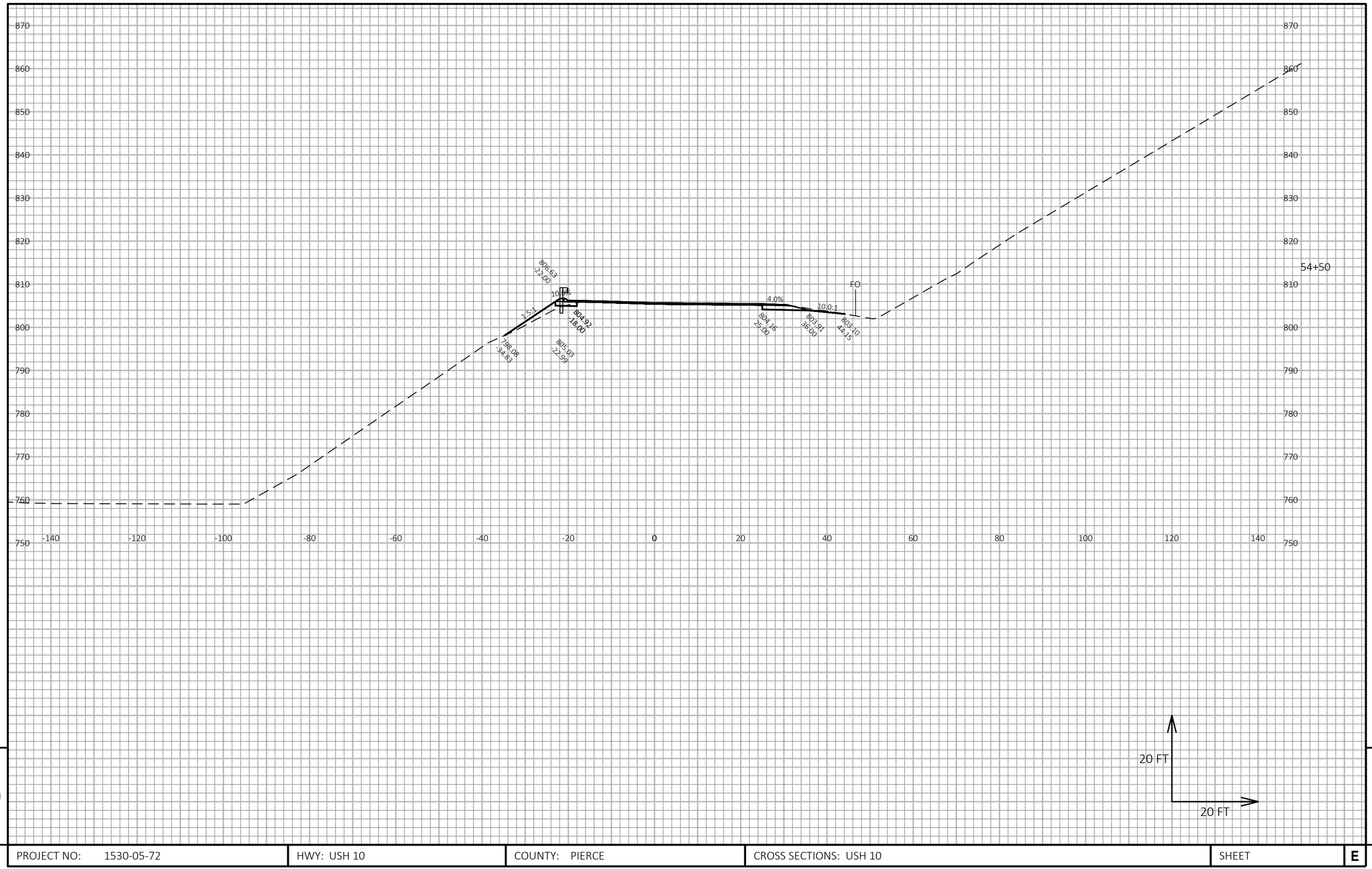
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 19

PLOT DATE : 7/3/2019 12:38 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



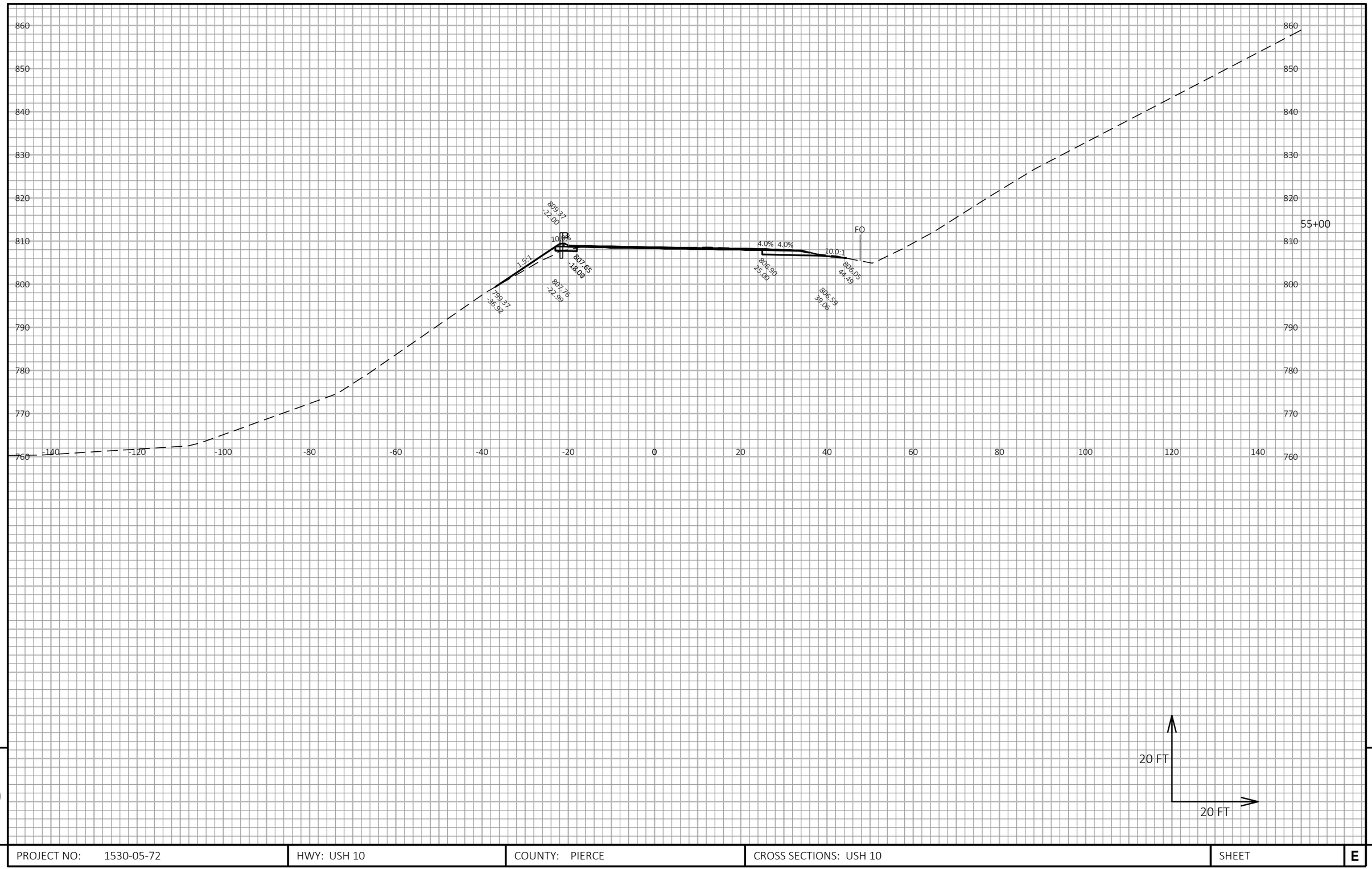
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 20

PLOT DATE : 7/3/2019 12:39 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



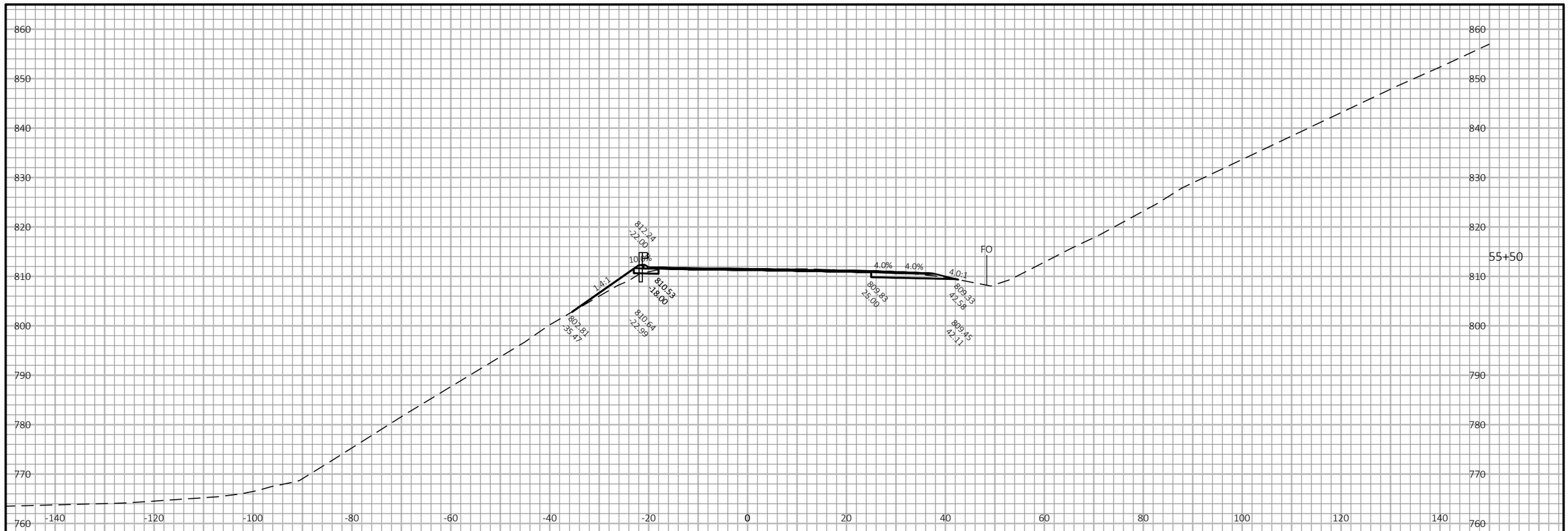
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 21

PLOT DATE : 7/3/2019 12:39 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



20 FT

20 FT

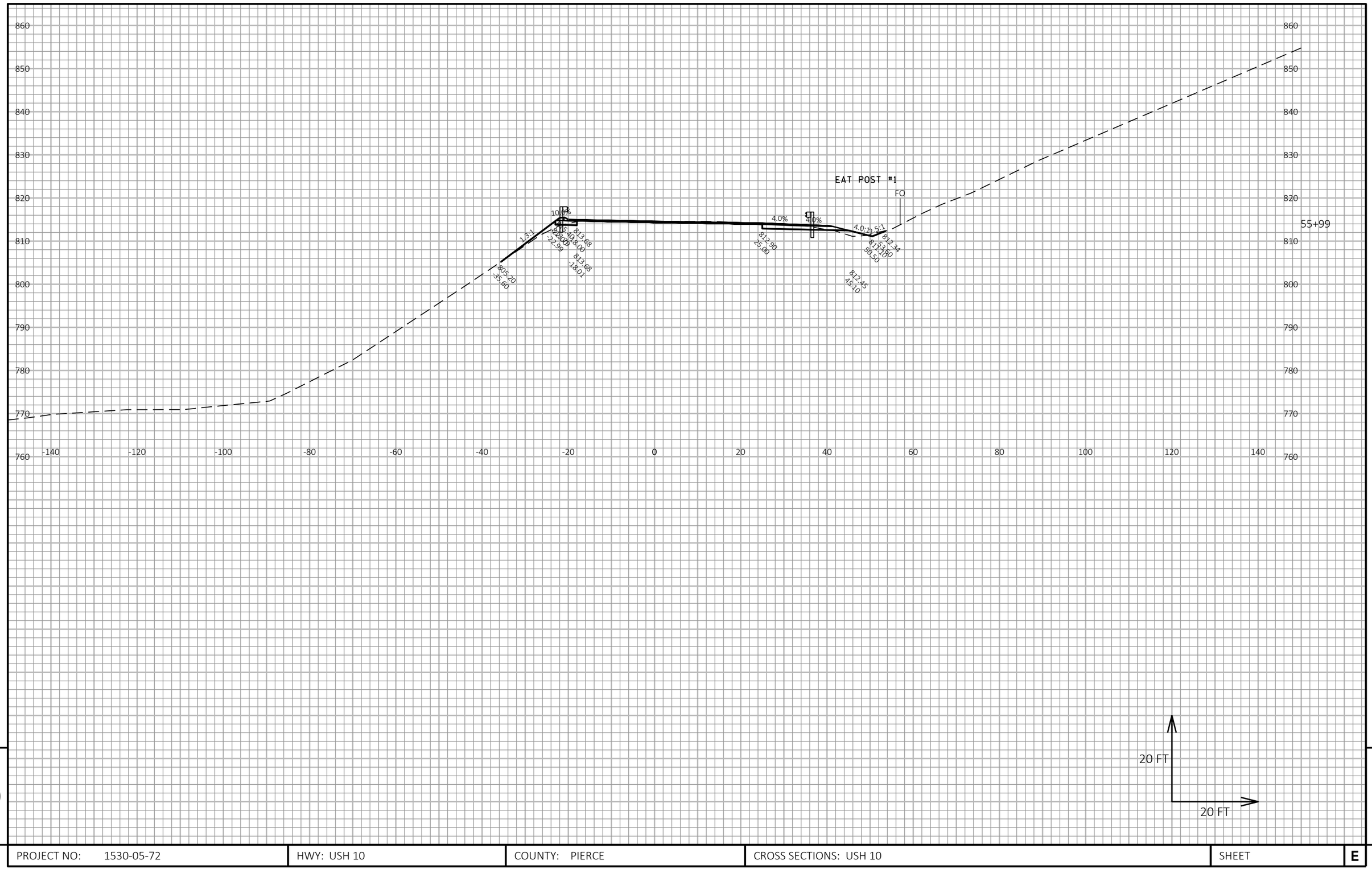
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 22

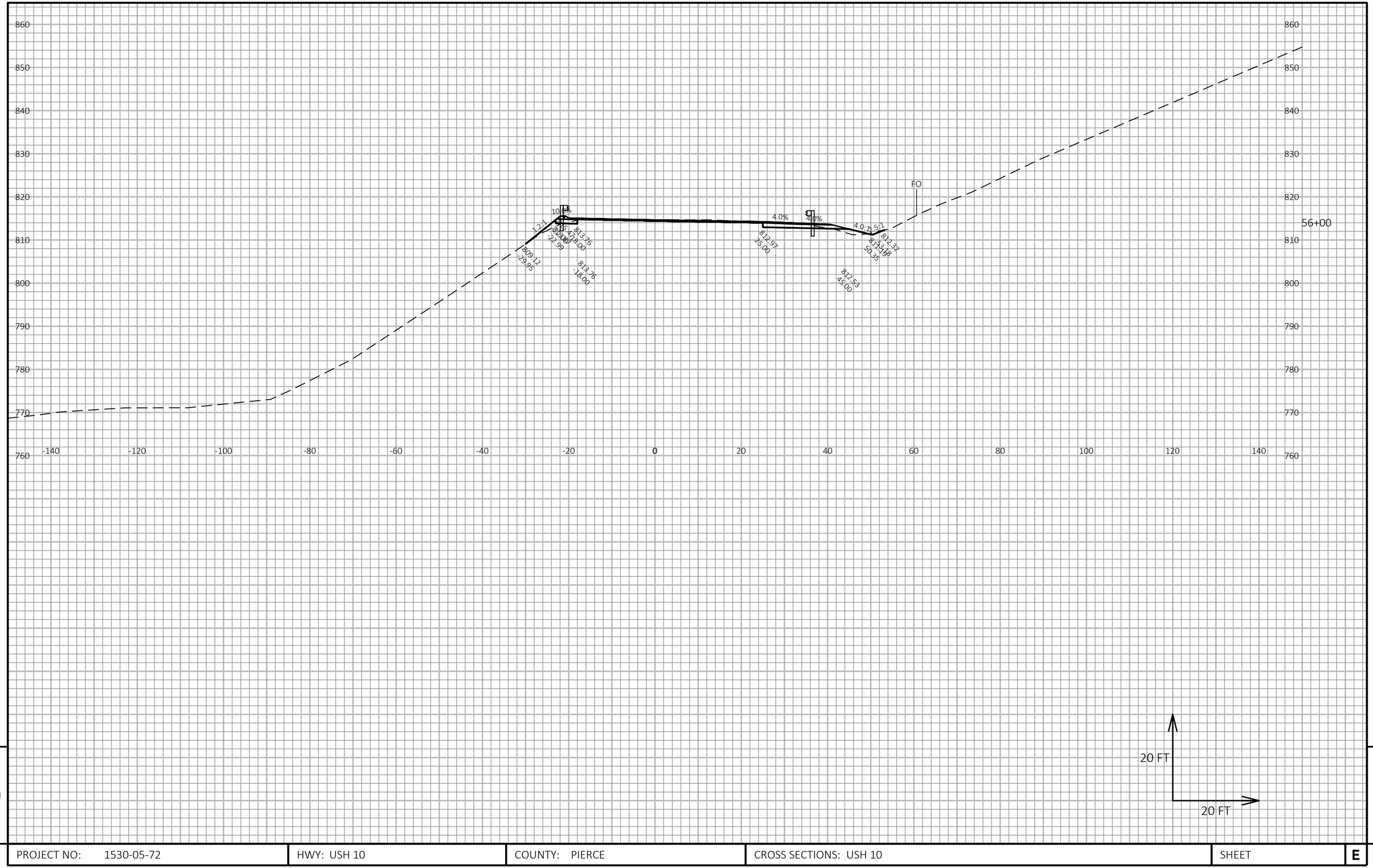
PLOT DATE : 7/3/2019 12:39 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 23

PLOT DATE : 7/3/2019 12:40 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



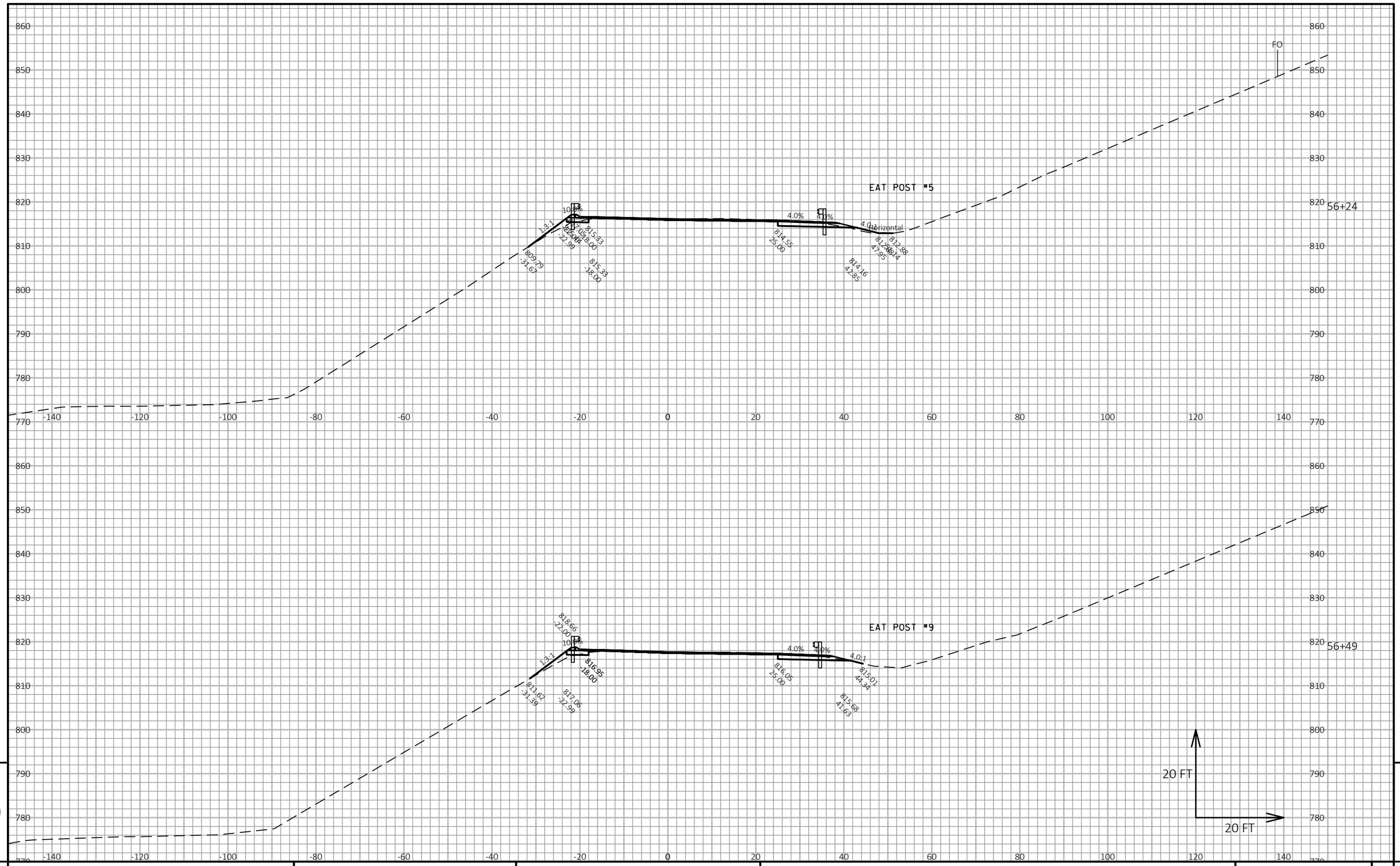
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 24

PLOT DATE : 7/3/2019 12:40 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

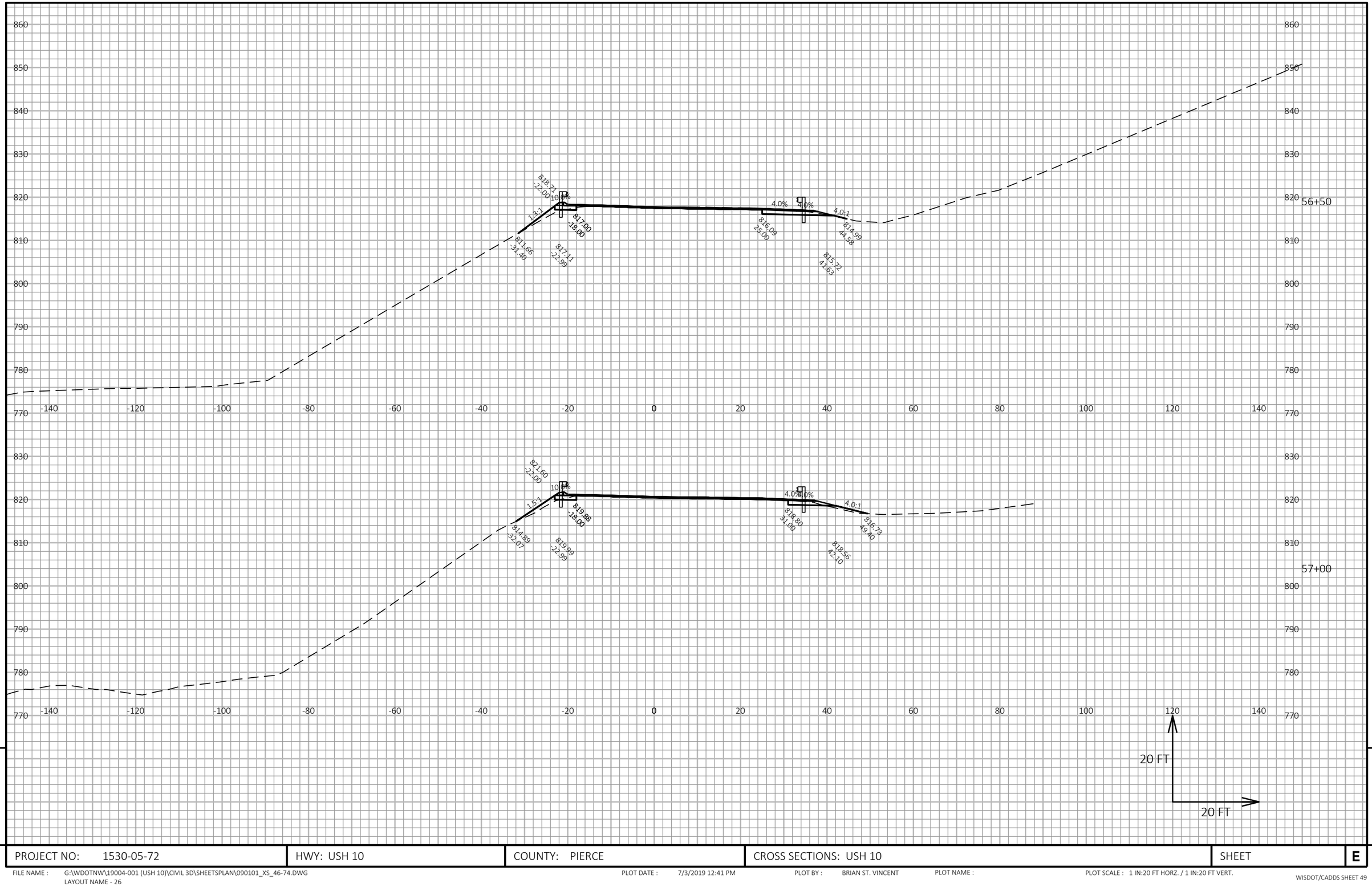
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 25

PLOT DATE : 7/3/2019 12:40 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

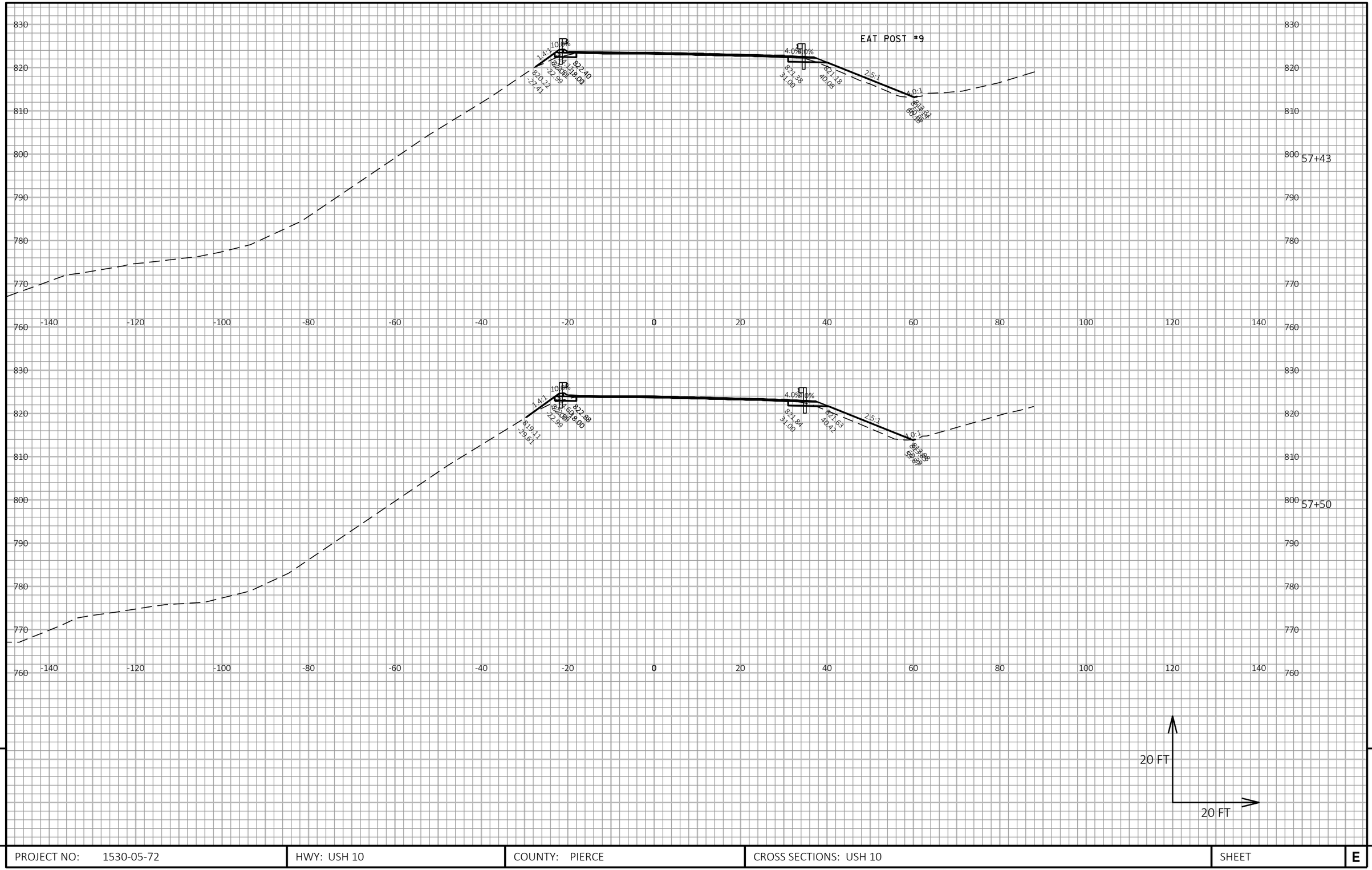
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 26

PLOT DATE : 7/3/2019 12:41 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



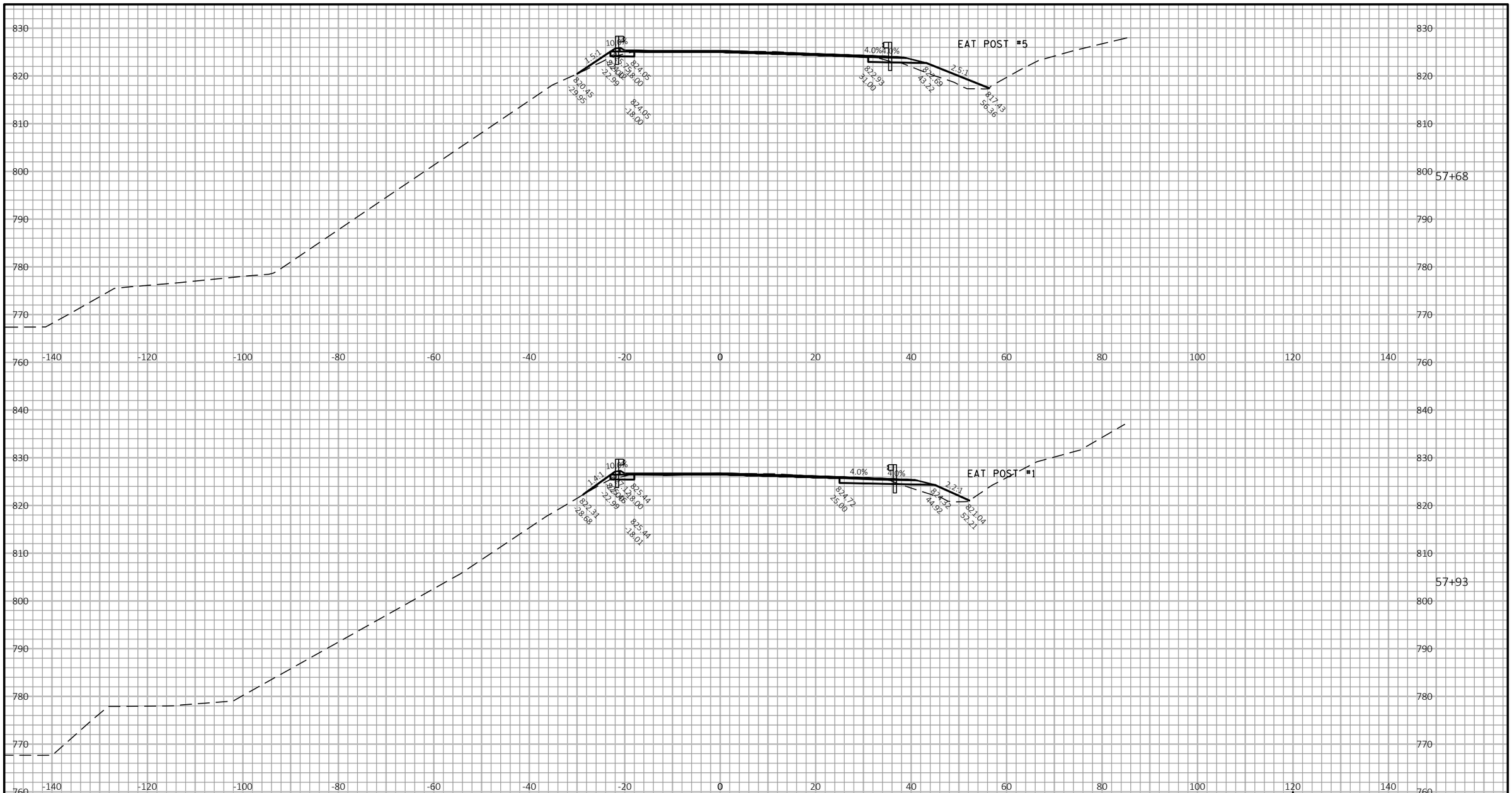
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 27

PLOT DATE : 7/3/2019 12:41 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

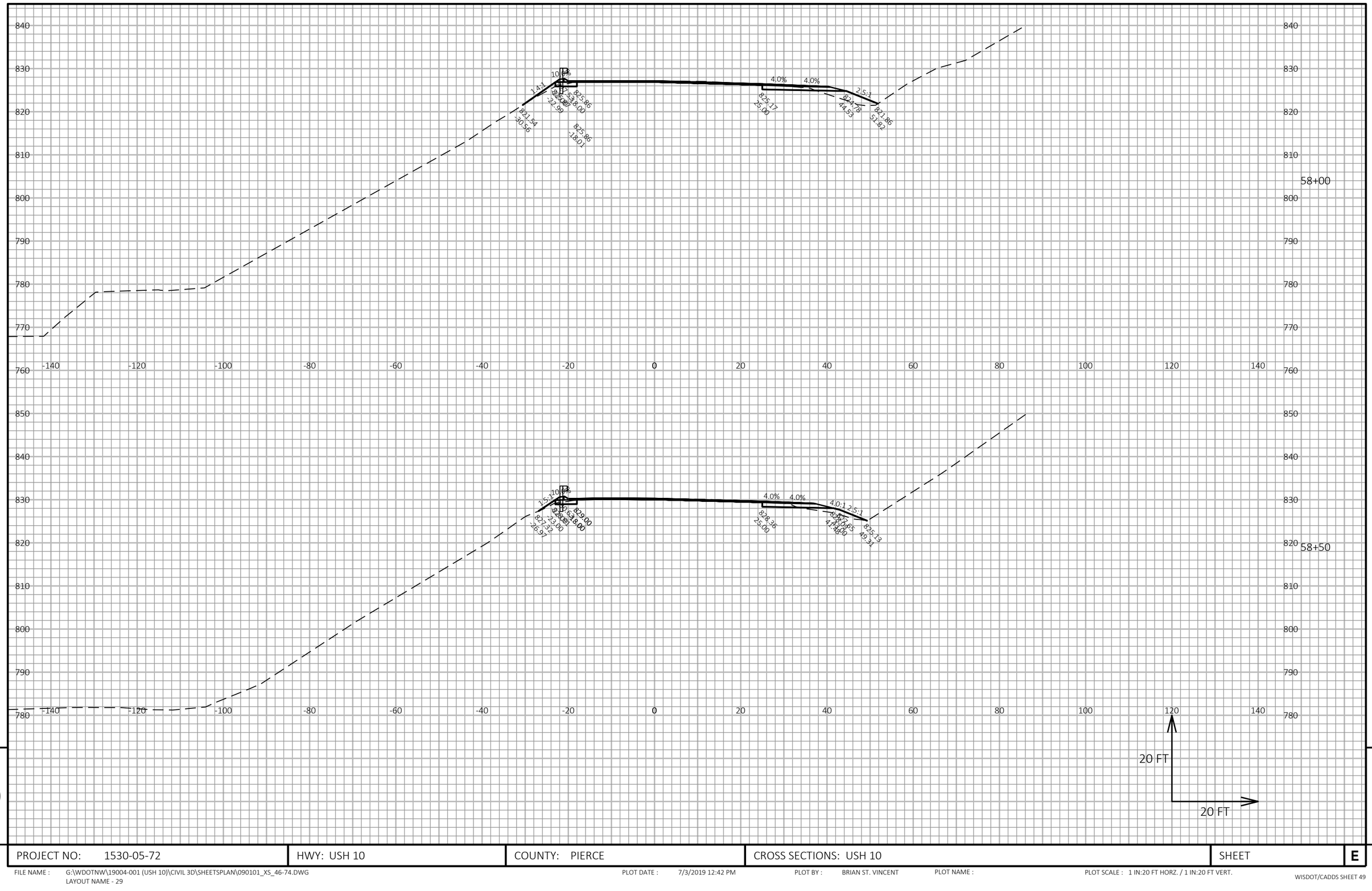


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 28

PLOT DATE : 7/3/2019 12:41 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

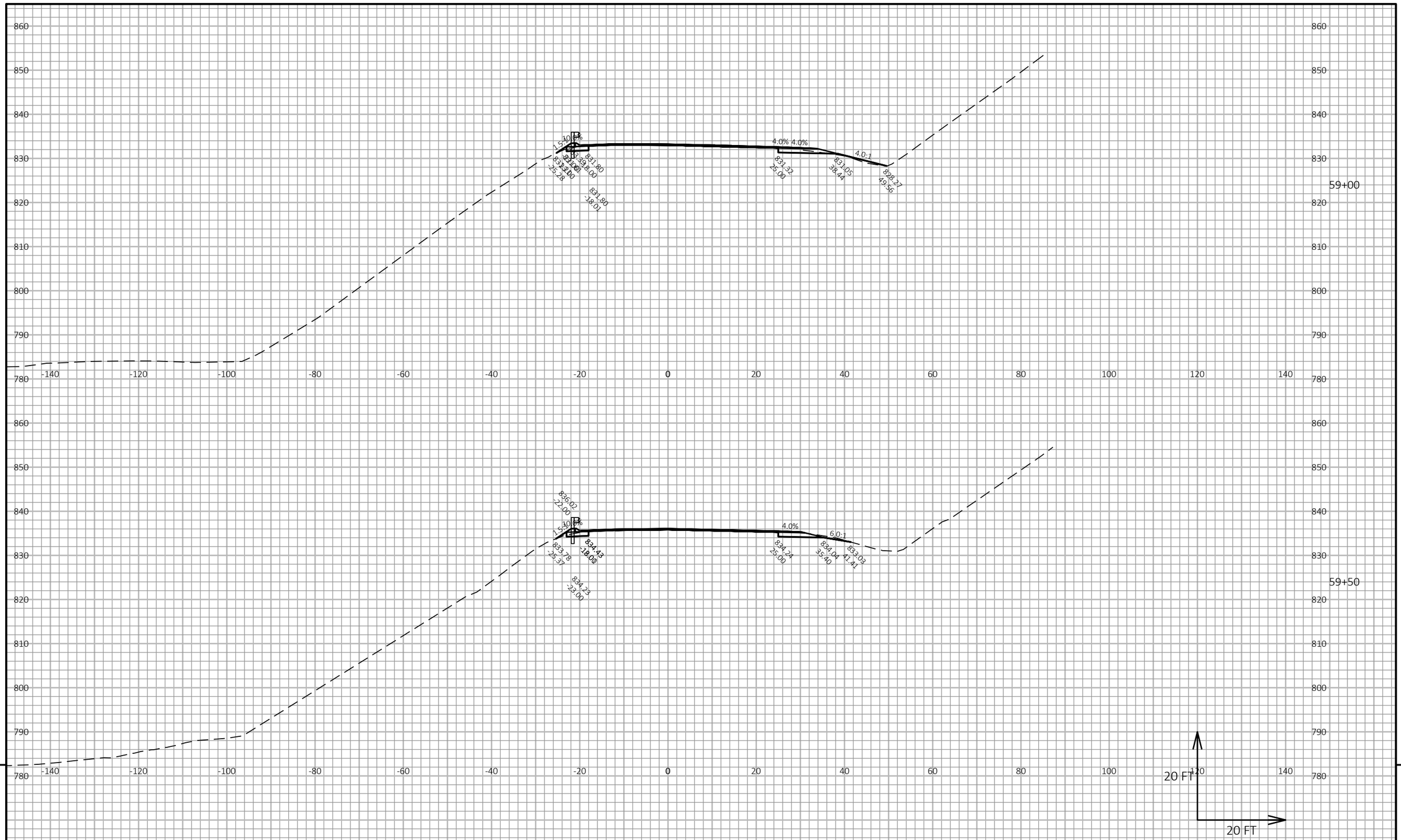


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 29

PLOT DATE : 7/3/2019 12:42 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

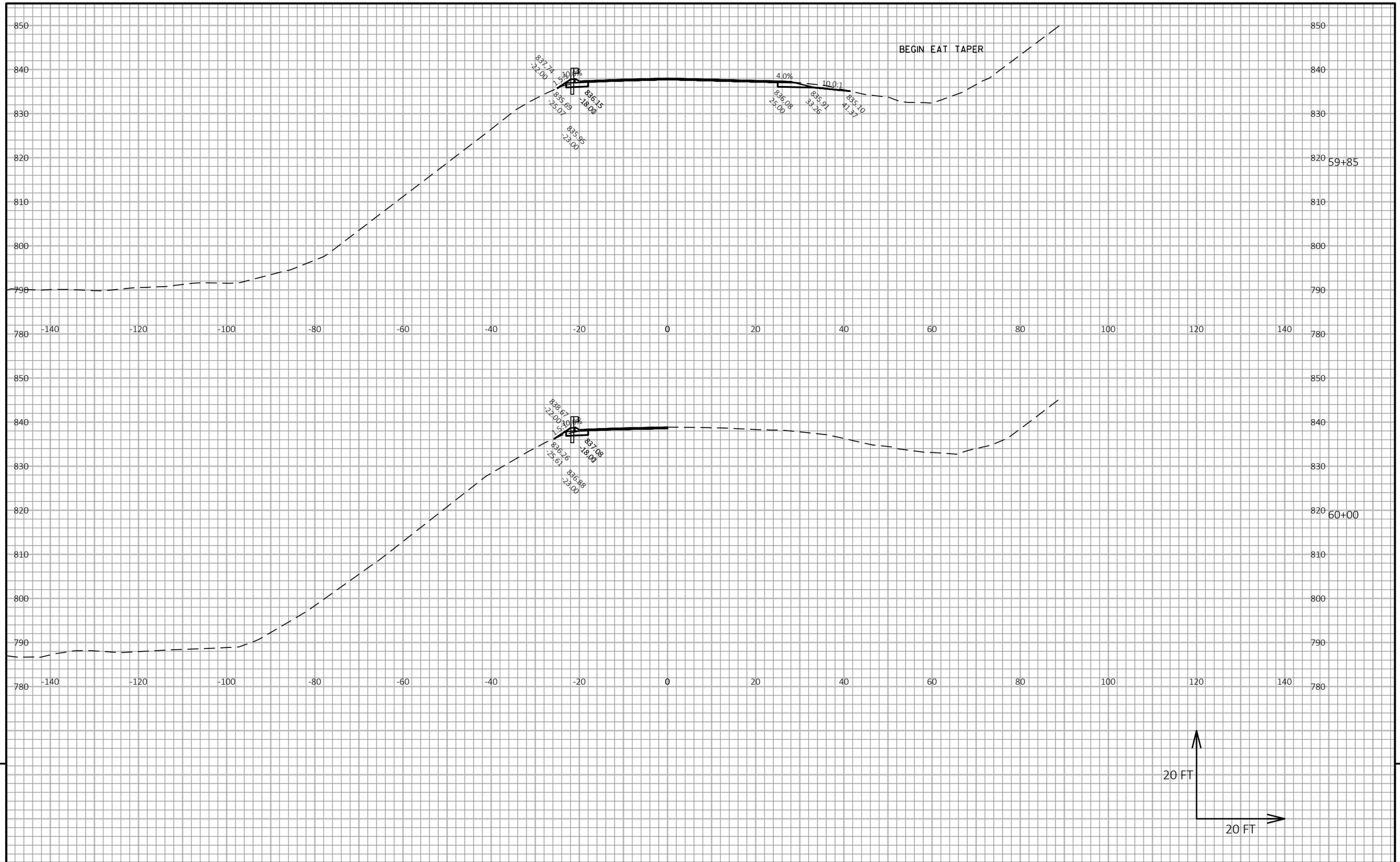


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 30

PLOT DATE : 7/3/2019 12:42 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



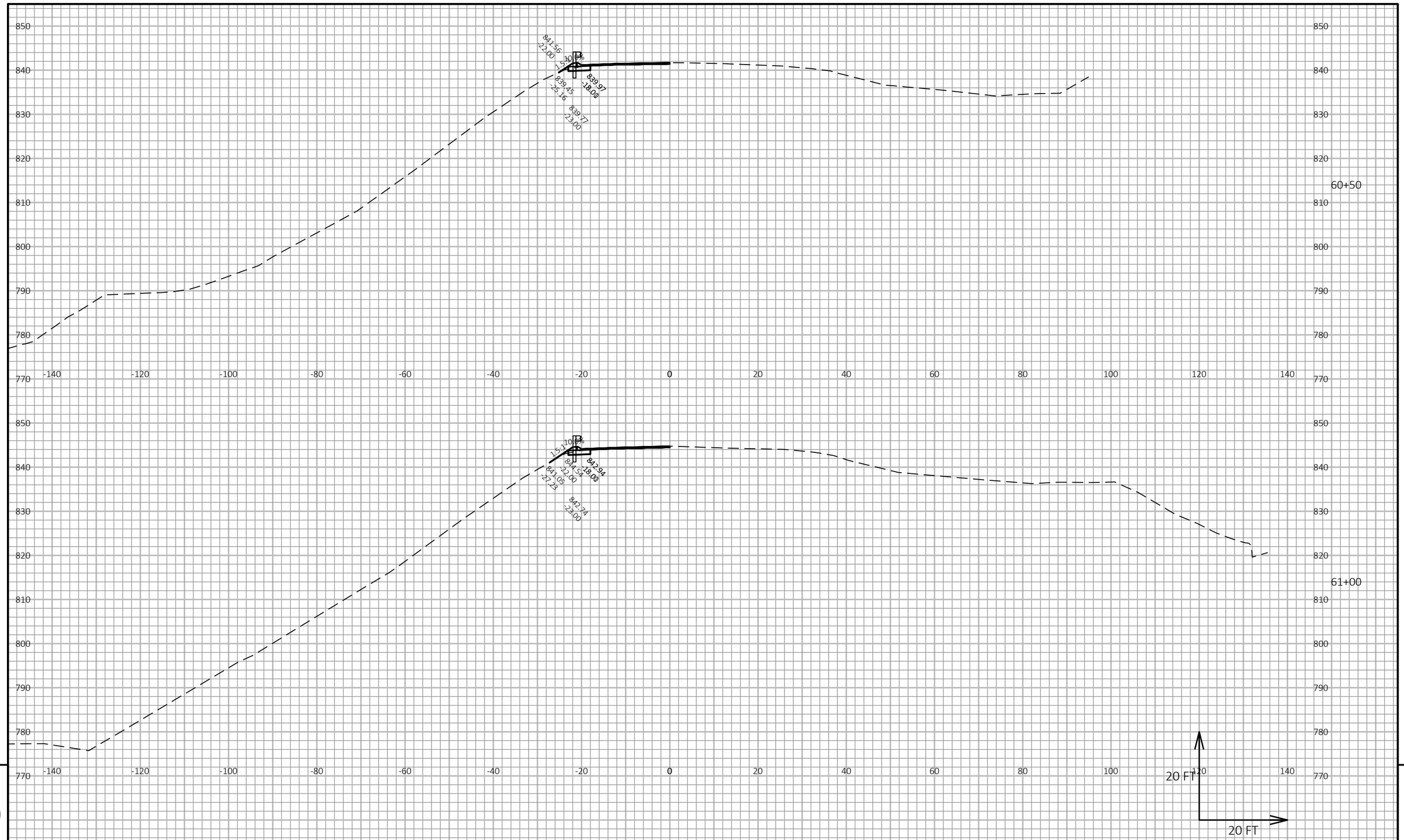
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 31

PLOT DATE : 7/3/2019 12:42 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

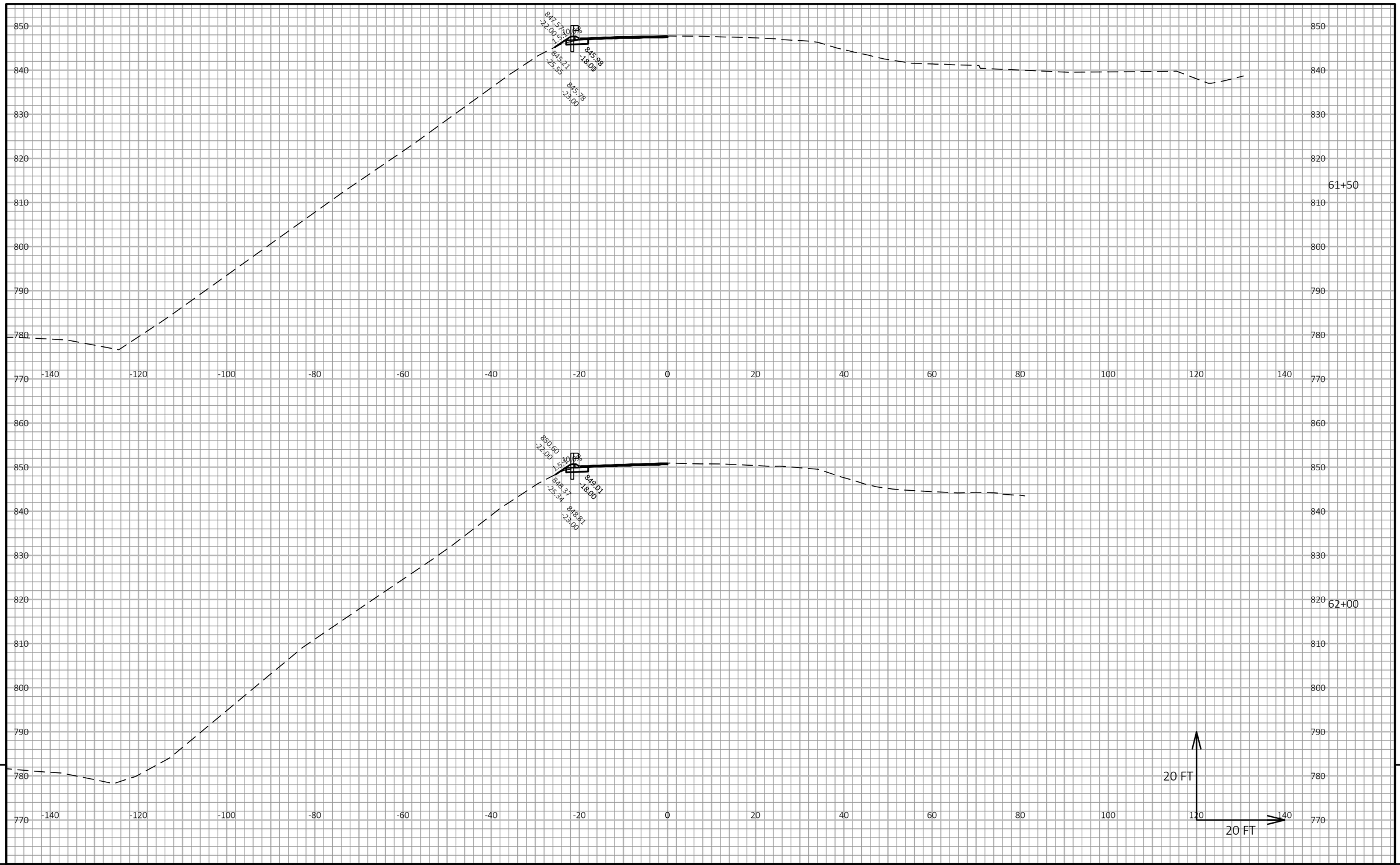


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 32

PLOT DATE : 7/3/2019 12:43 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

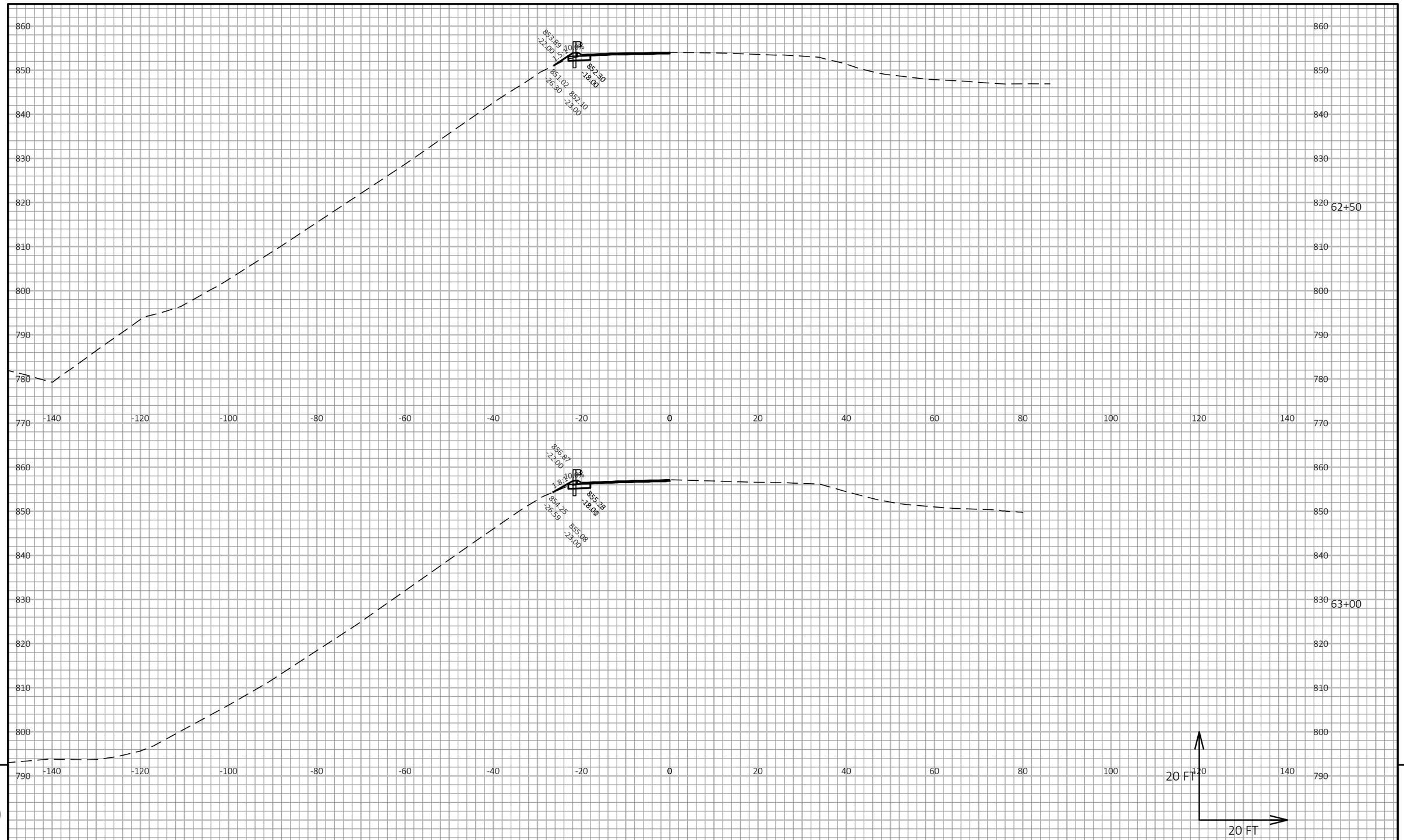
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 33

PLOT DATE : 7/3/2019 12:43 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

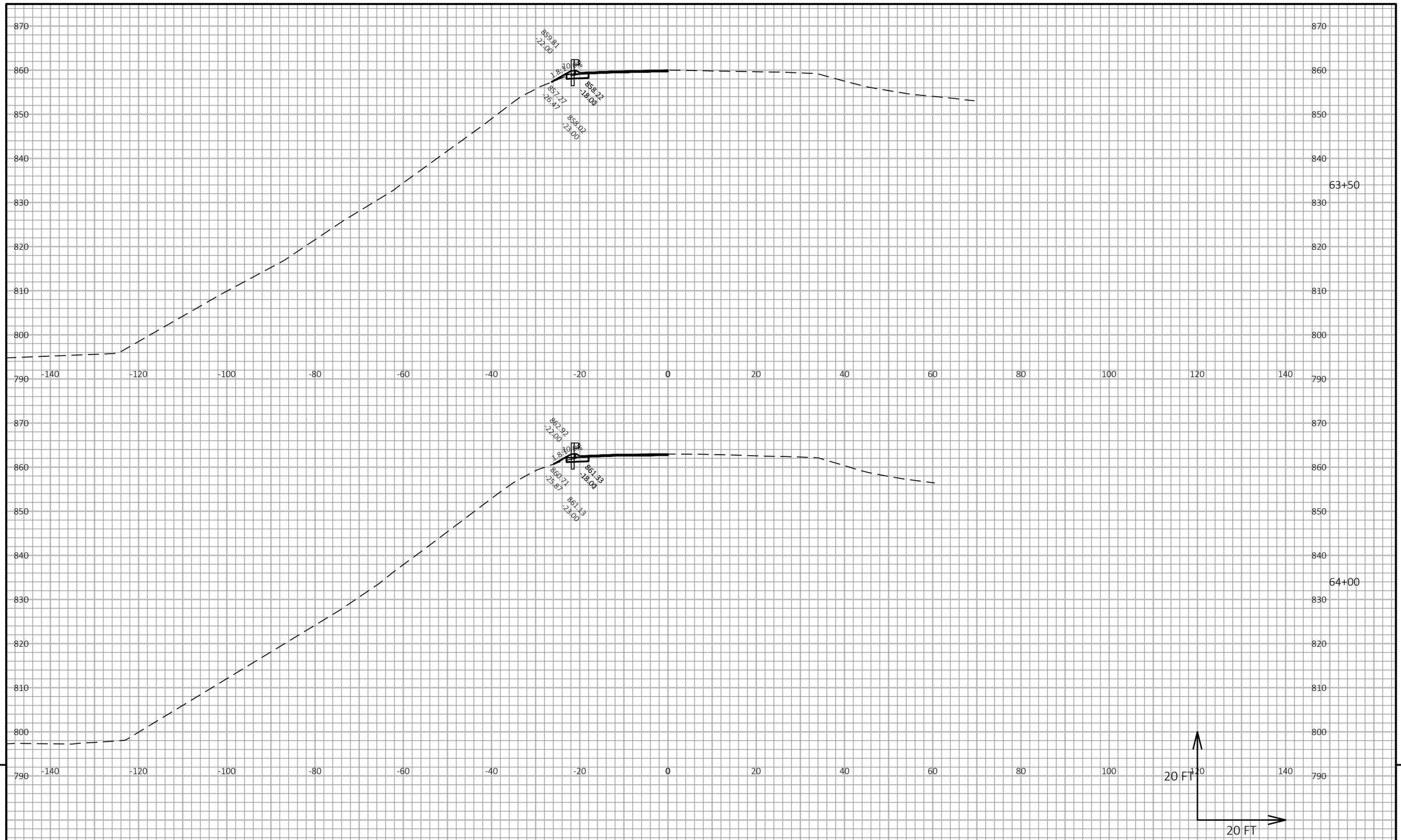


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 34

PLOT DATE : 7/3/2019 12:43 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

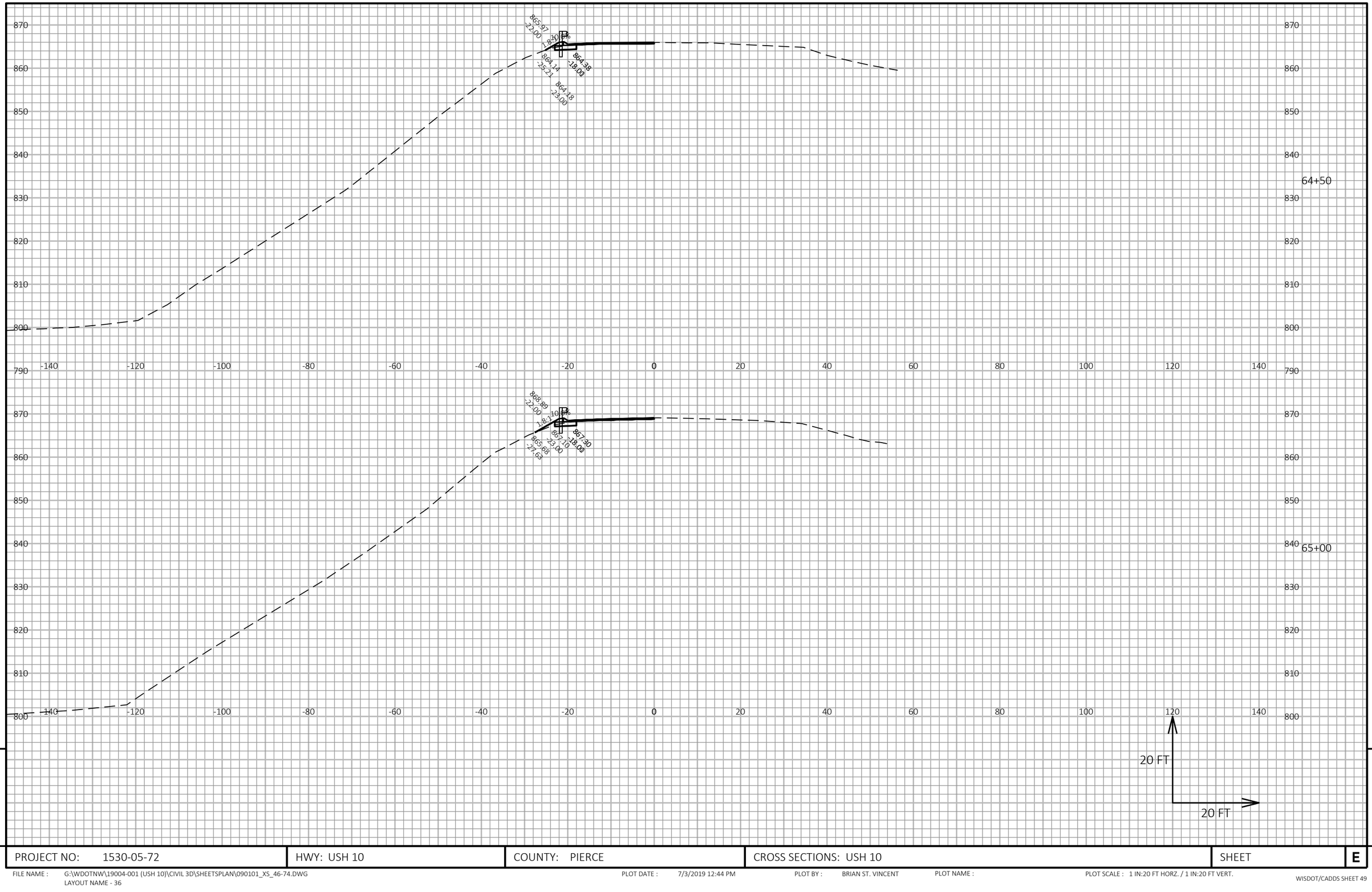
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 35

PLOT DATE : 7/3/2019 12:44 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

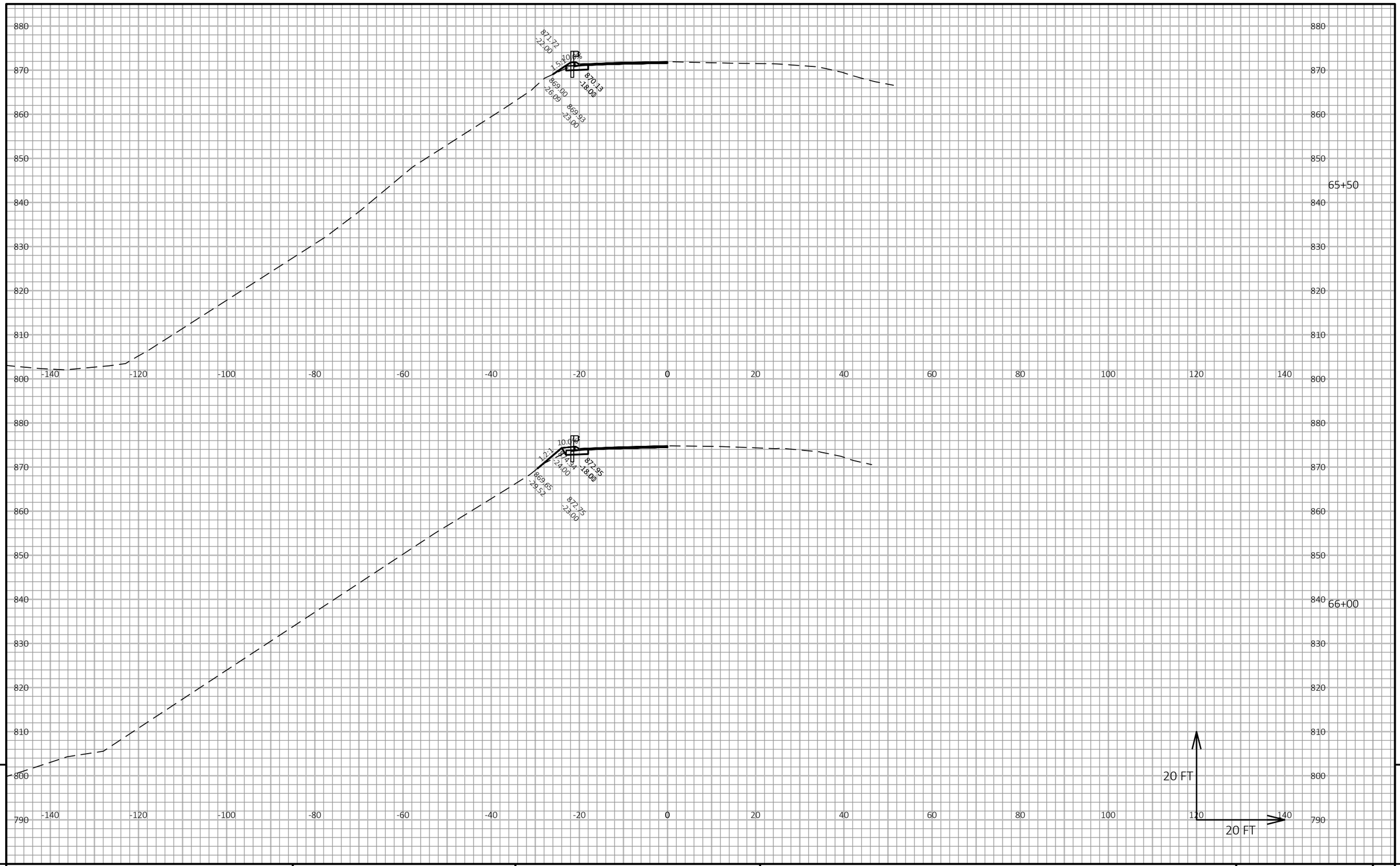
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 36

PLOT DATE : 7/3/2019 12:44 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 37

PLOT DATE : 7/3/2019 12:44 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

940
930
920
910
900
890
880
870
860
850
840
830
820
810
800

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

RW

66+50

10.00

4:1

873.26
-29.98

875.78
-24.00

875.99
-16.00

875.79
-23.00

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 38

PLOT DATE : 7/3/2019 12:45 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

940
930
920
910
900
890
880
870
860
850
840
830
820
810
800

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

RW

67+00

1.5:1
10.0
10
879.14
-18.00
880.14
-24.00
876.64
-29.84
878.94
-23.00

20 FT
20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 39

PLOT DATE : 7/3/2019 12:45 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

940
930
920
910
900
890
880
870
860
850
840
830
820
810
800

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

RW

10.00

1.4:1

883.78

-24.00

879.34

-30.18

882.39

-18.00

882.19

-22.00

67+50

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 40

PLOT DATE : 7/3/2019 12:45 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

950
940
930
920
910
900
890
880
870
860
850
840
830
820
810
800

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

RW

10.00
1.57
885.71
-18.00
882.12
-24.00
882.28
-31.27
885.57
-23.00

68+00

20 FT
20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 41

PLOT DATE : 7/3/2019 12:46 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

950
940
930
920
910
900
890
880
870
860
850
840
830
820
810

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

RW

68+50

889.26
-18.00

889.21
-23.00

887.25
-28.94

10.00%
14.14
-24.00

20 FT

20 FT

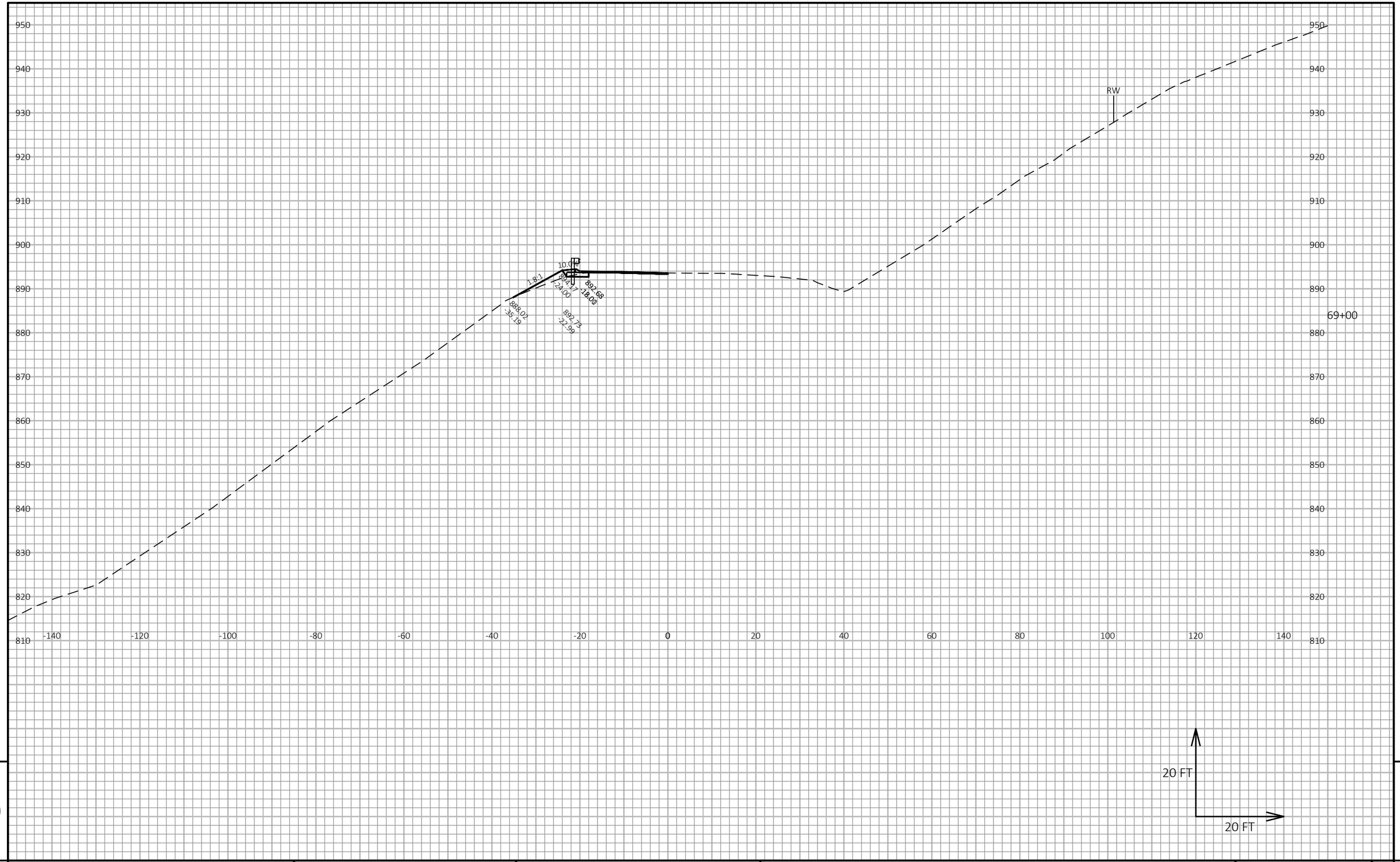
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 42

PLOT DATE : 7/3/2019 12:46 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

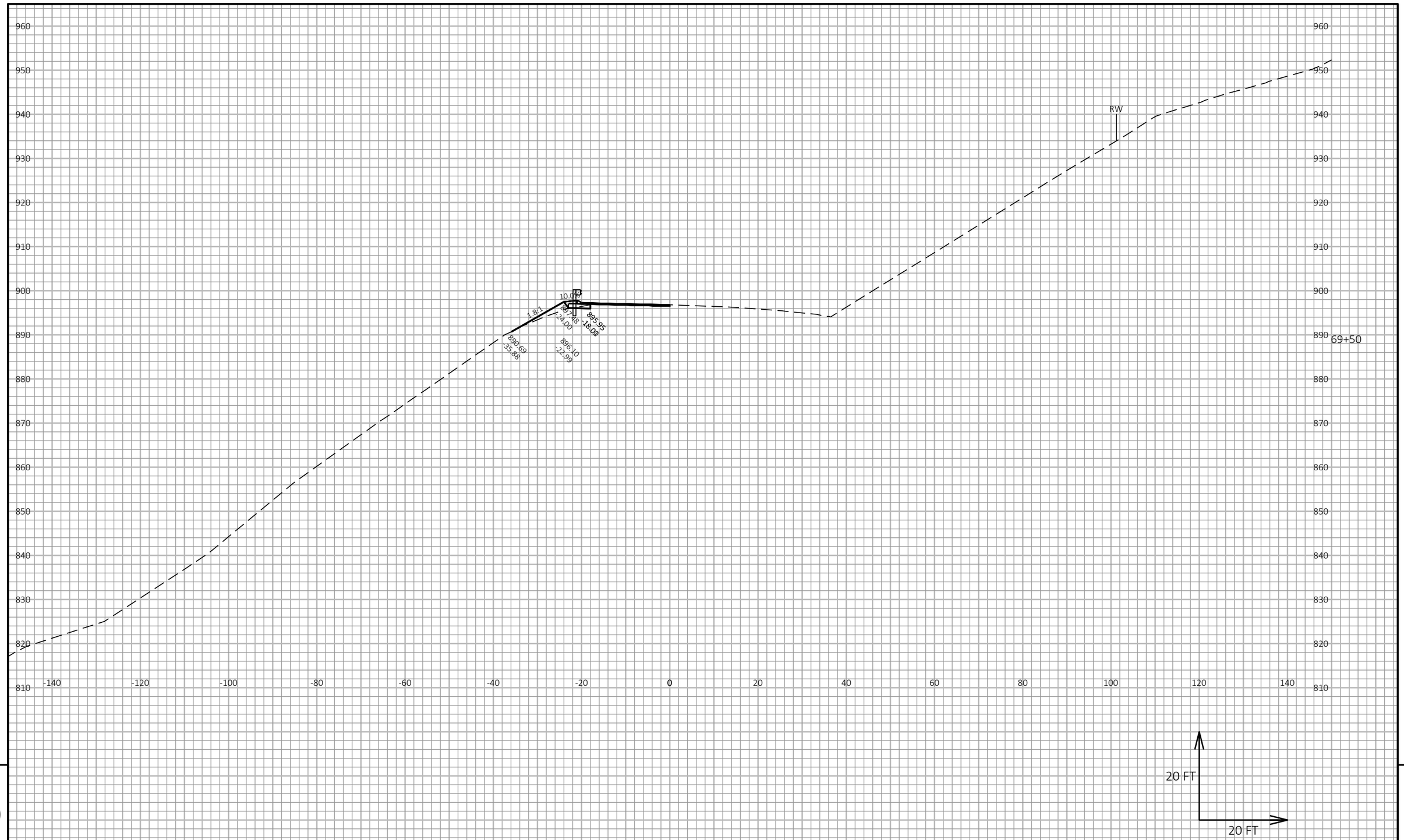
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 43

PLOT DATE : 7/3/2019 12:46 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



9

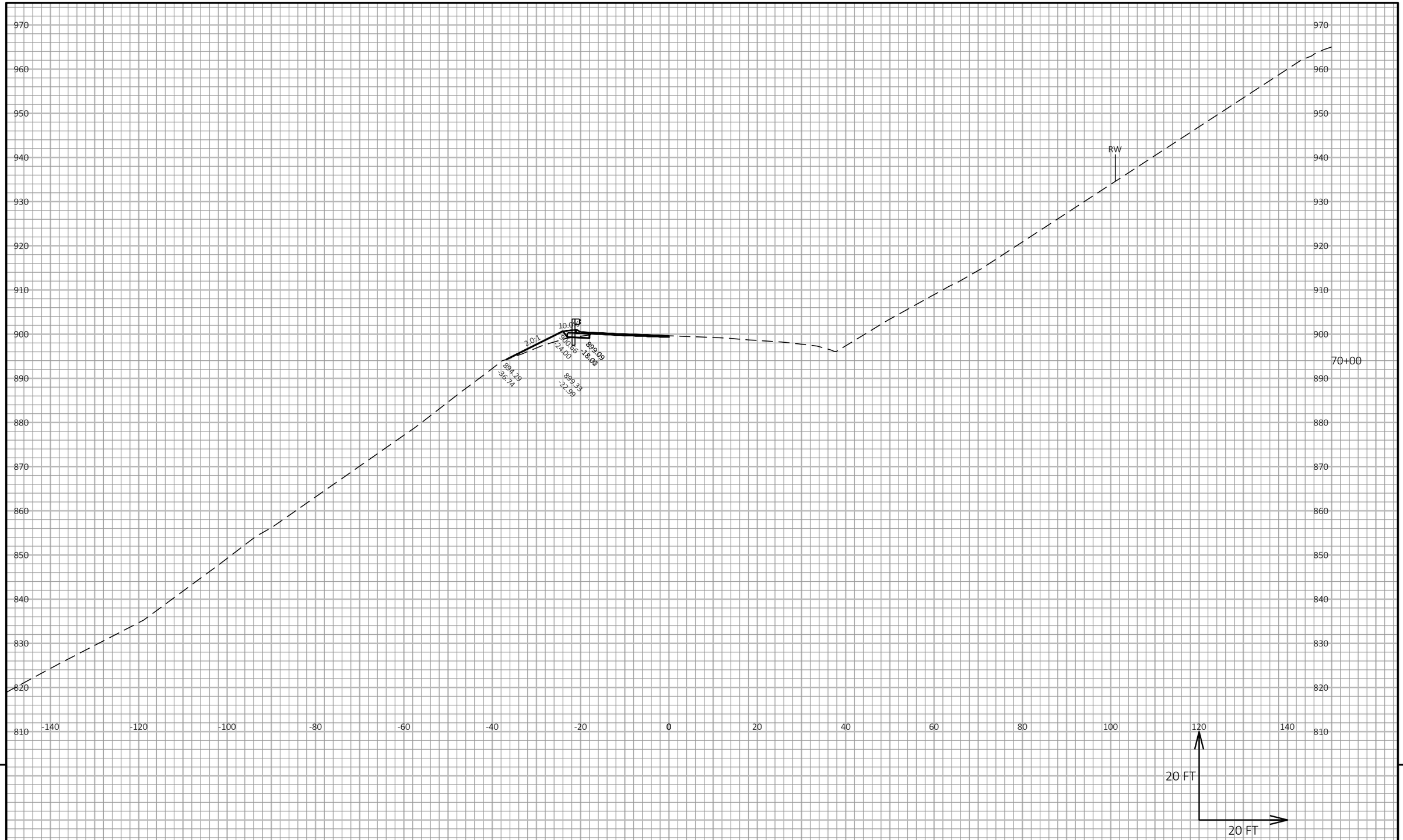
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 44

PLOT DATE : 7/3/2019 12:47 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



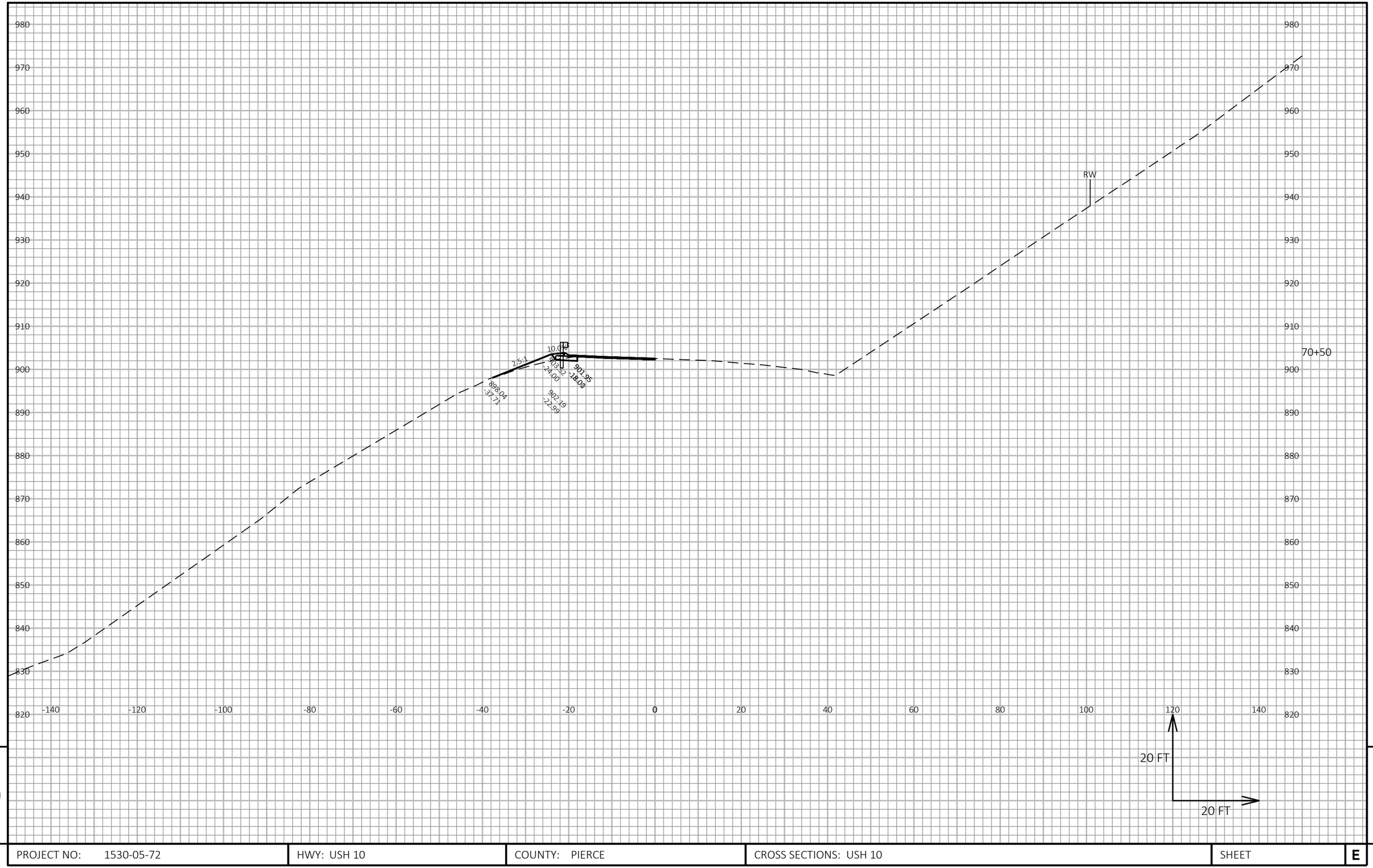
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 45

PLOT DATE : 7/3/2019 12:47 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

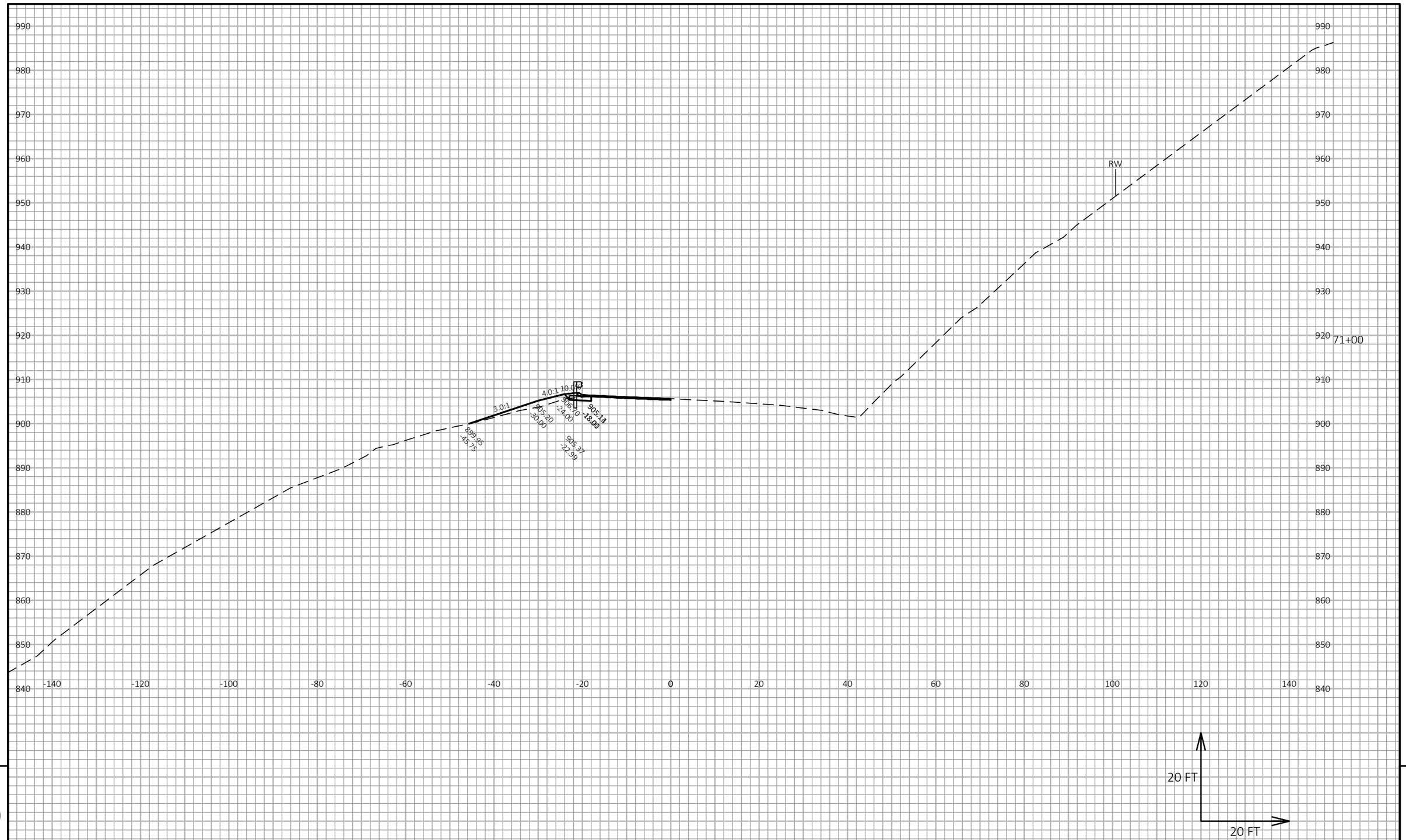
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 46

PLOT DATE : 7/3/2019 12:47 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

9

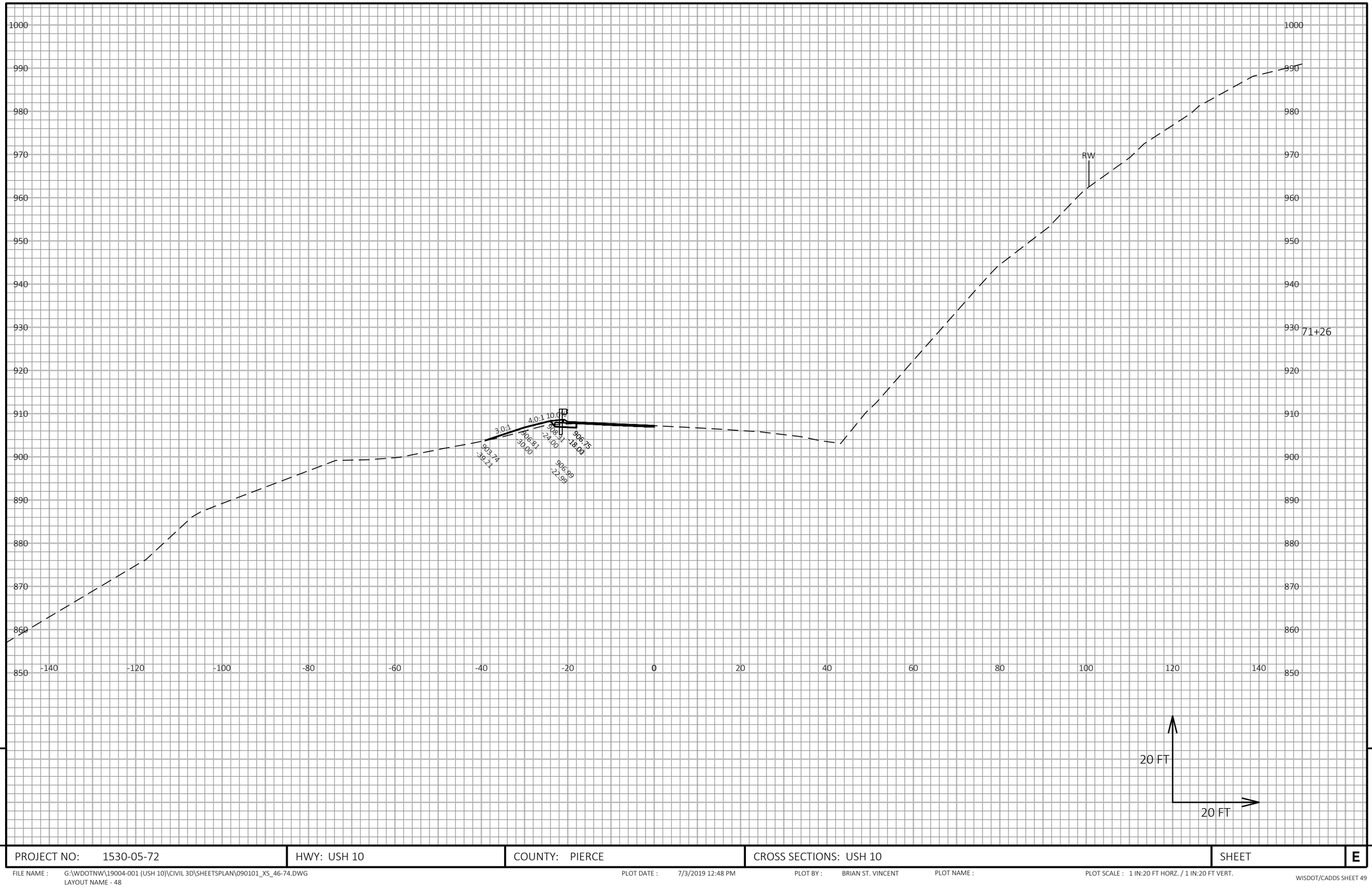
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 47

PLOT DATE : 7/3/2019 12:48 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



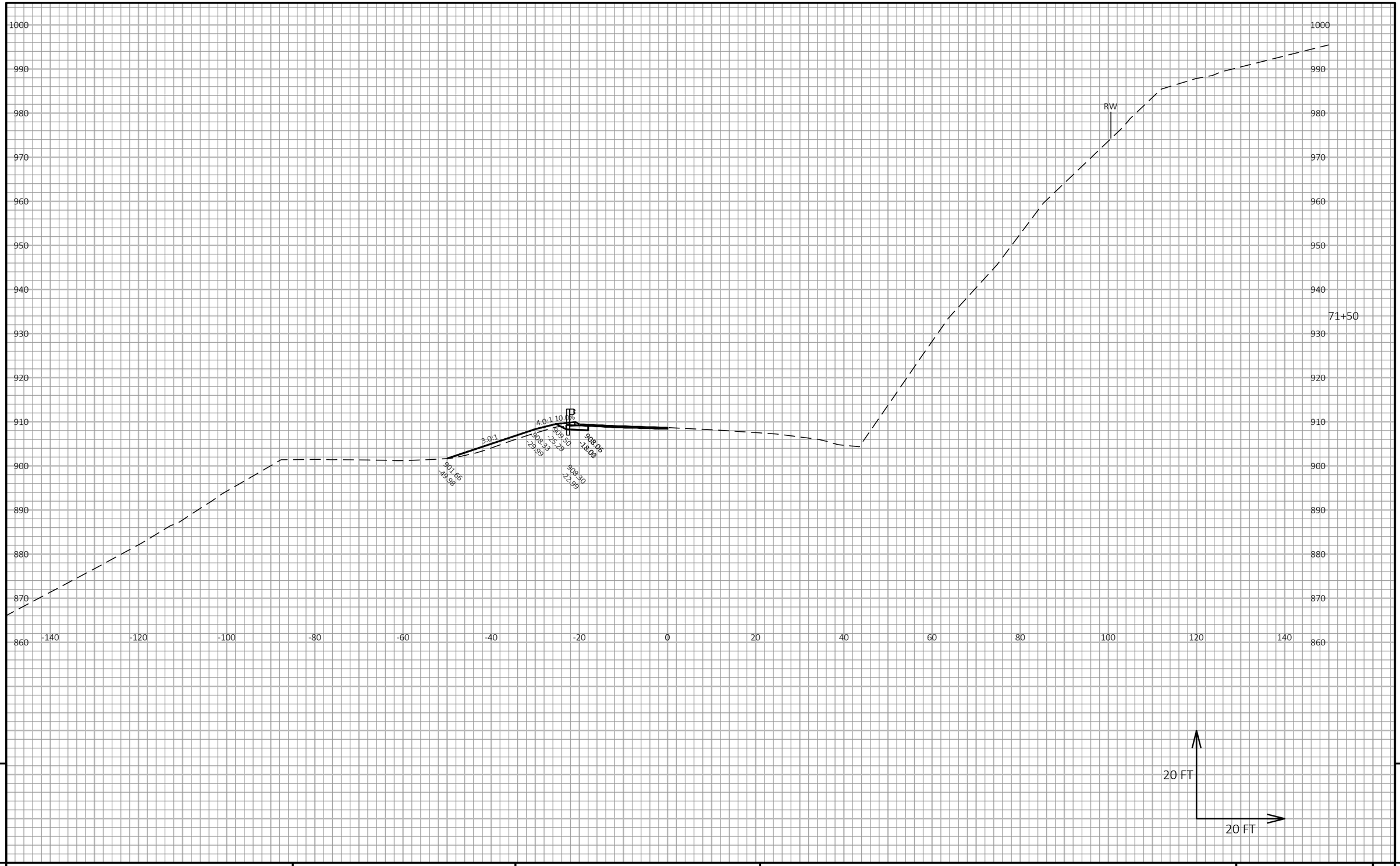
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 48

PLOT DATE : 7/3/2019 12:48 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

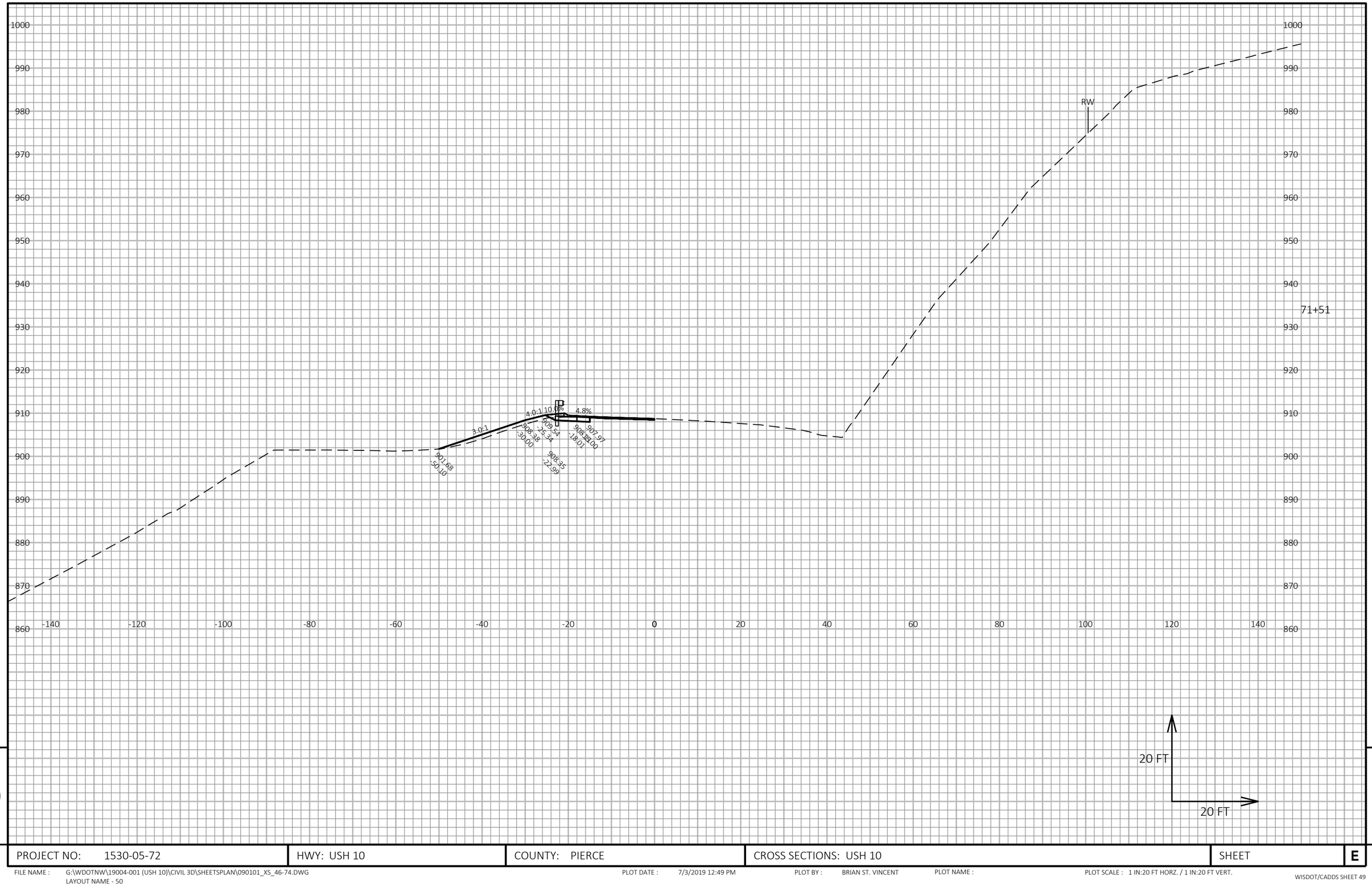
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 49

PLOT DATE : 7/3/2019 12:49 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

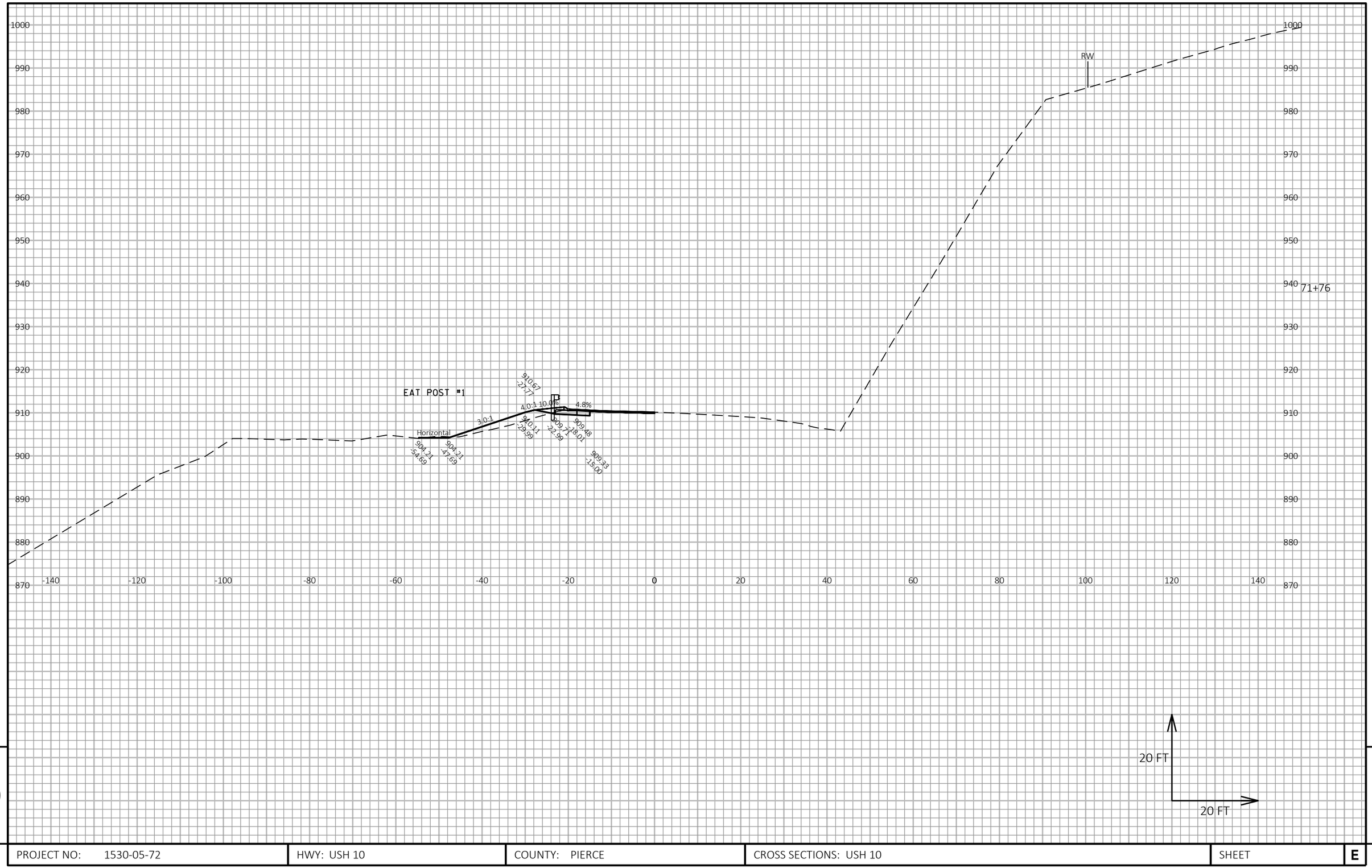
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 50

PLOT DATE : 7/3/2019 12:49 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

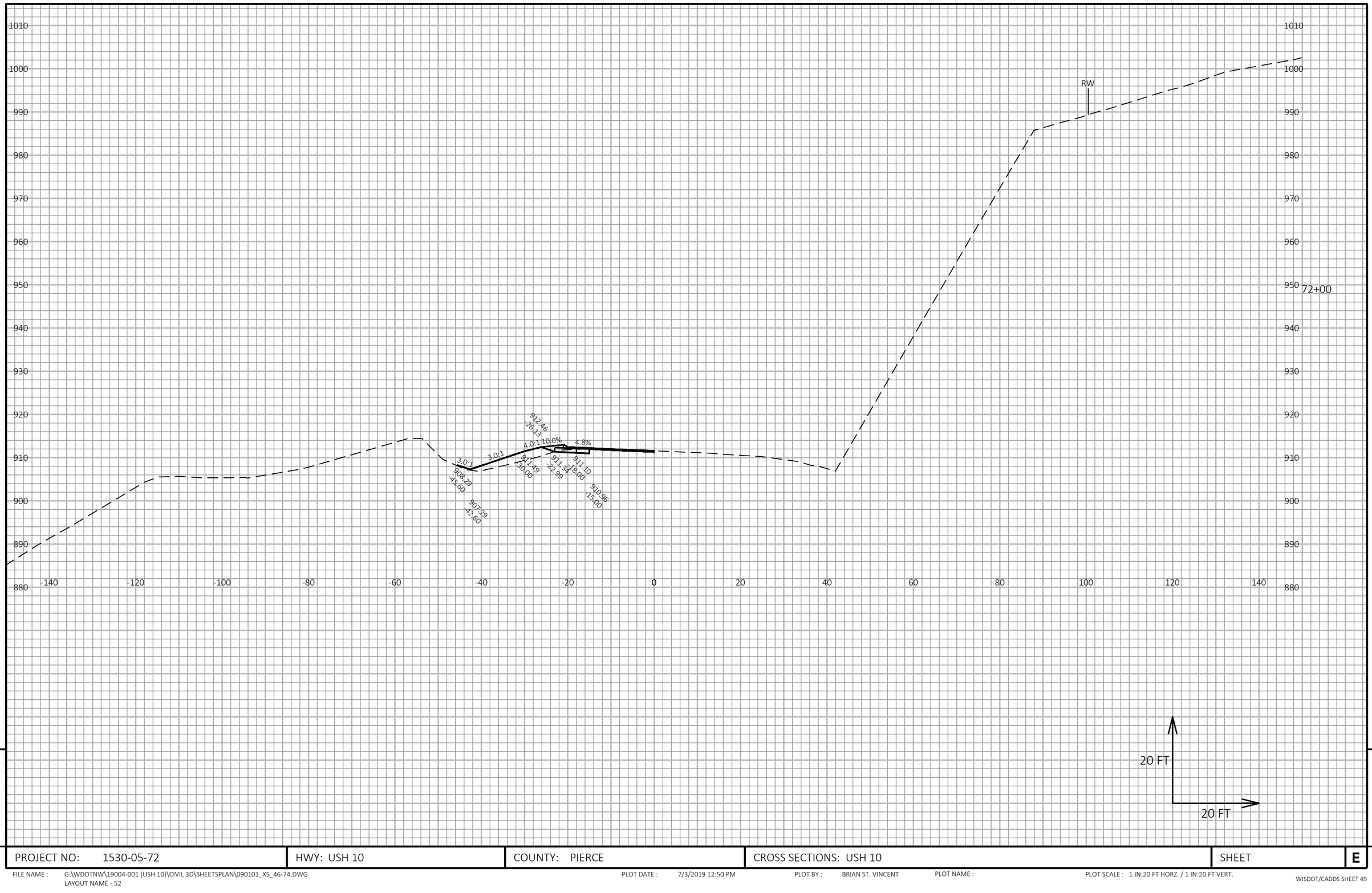
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 51

PLOT DATE : 7/3/2019 12:49 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



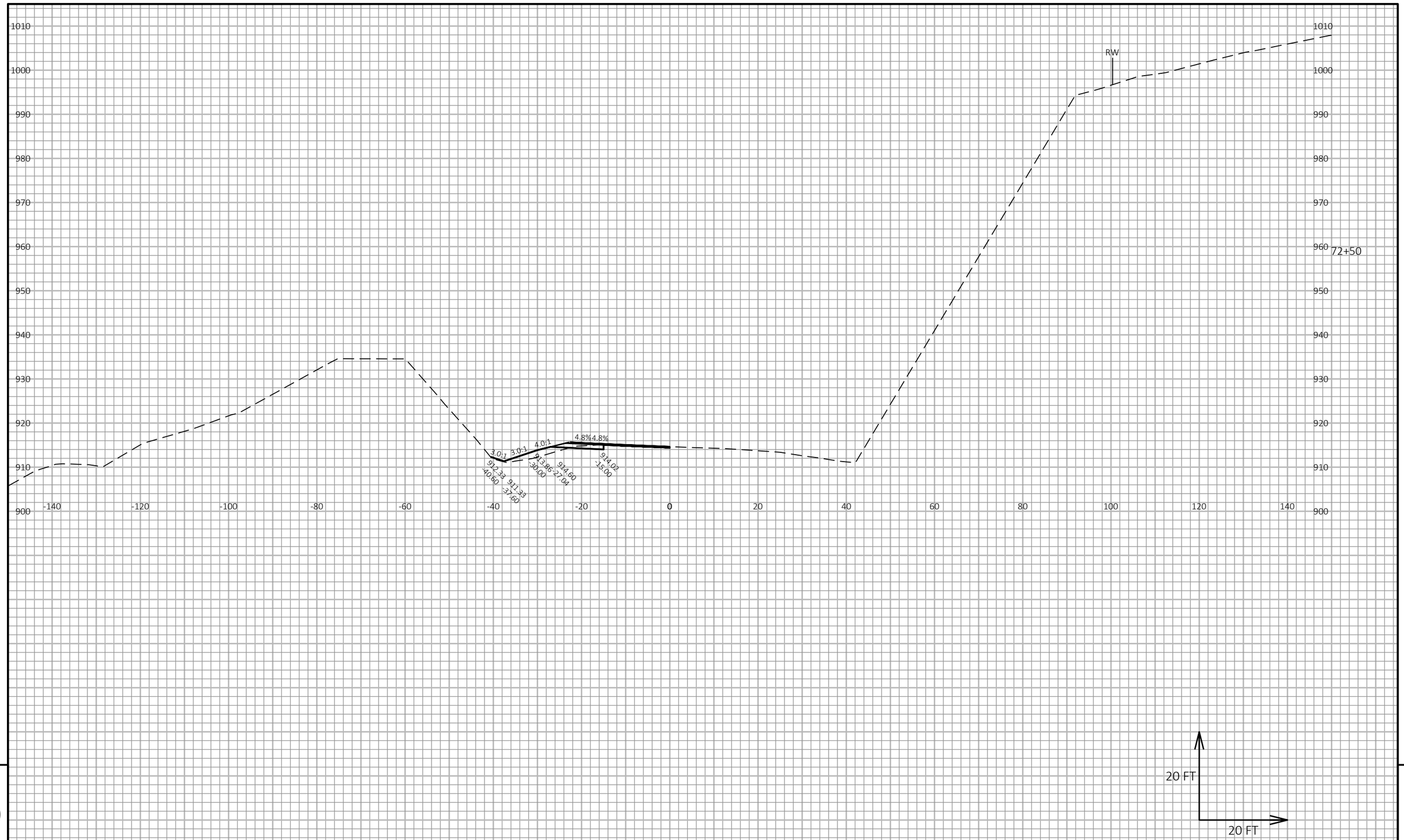
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 52

PLOT DATE : 7/3/2019 12:50 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

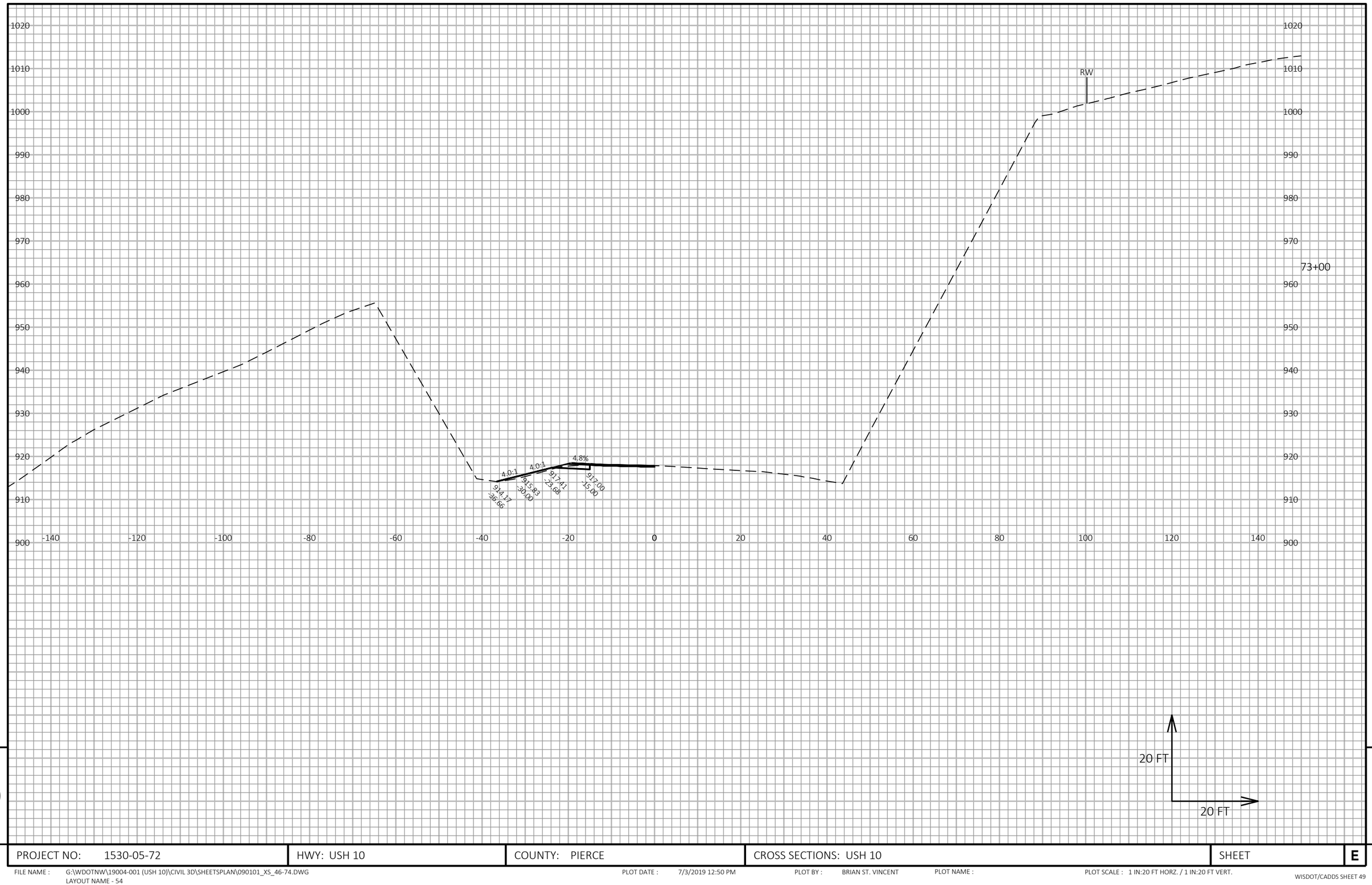
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 53

PLOT DATE : 7/3/2019 12:50 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

20 FT

20 FT

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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

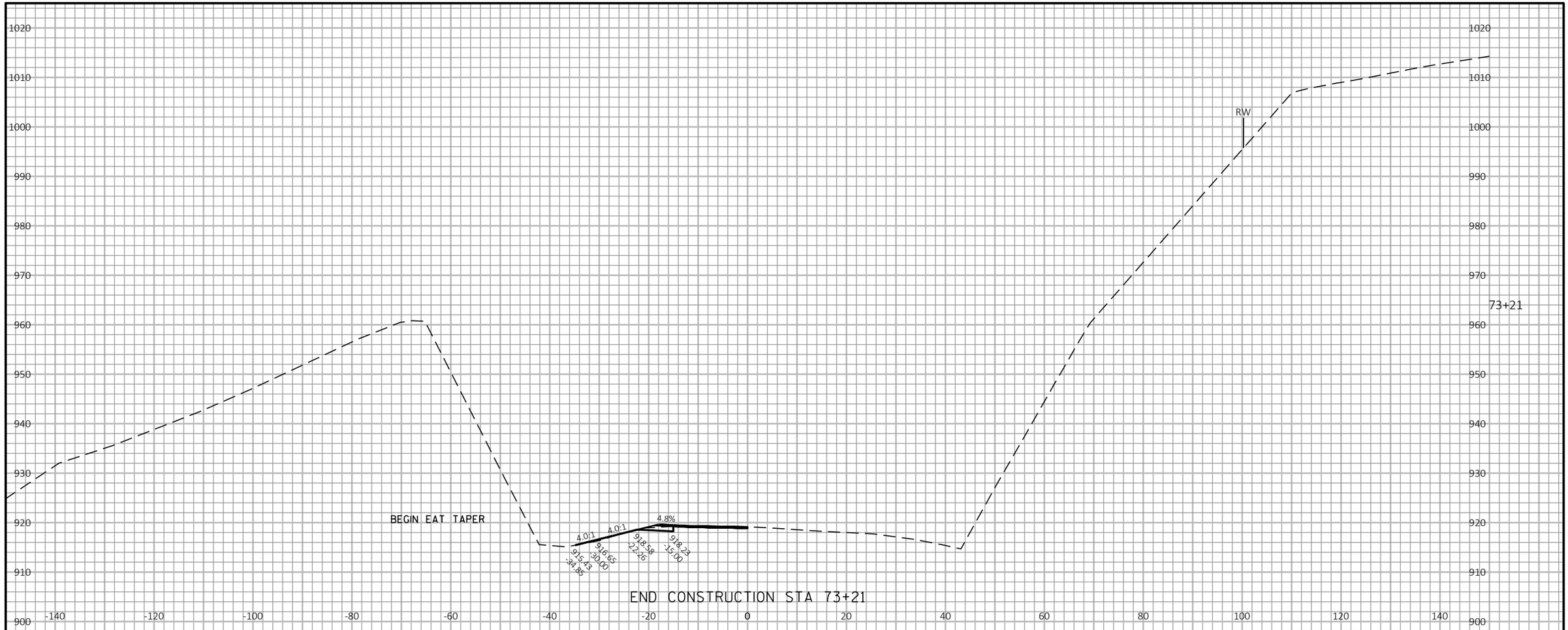
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 54

PLOT DATE : 7/3/2019 12:50 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



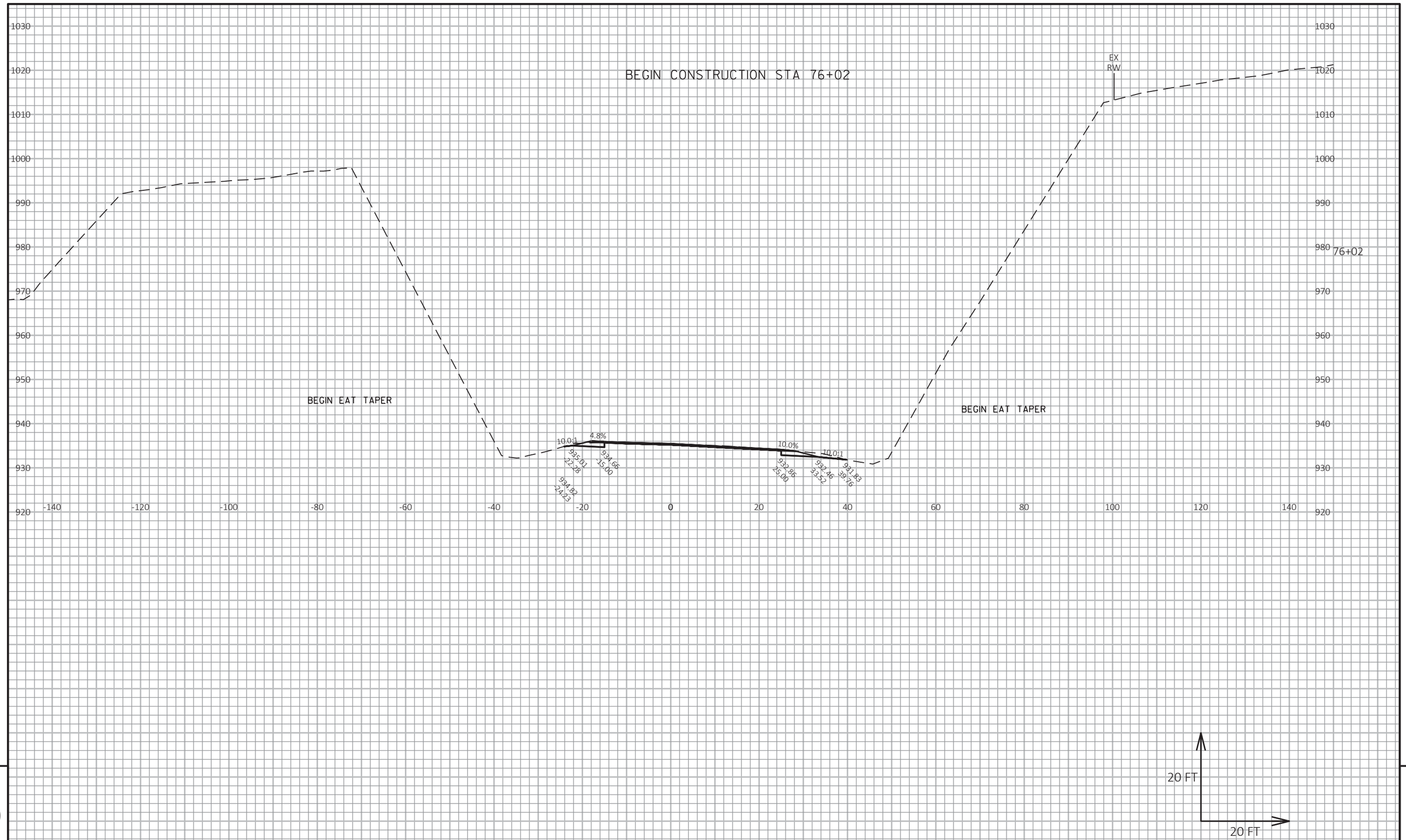
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_46-74.DWG
LAYOUT NAME - 55

PLOT DATE : 7/3/2019 12:51 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

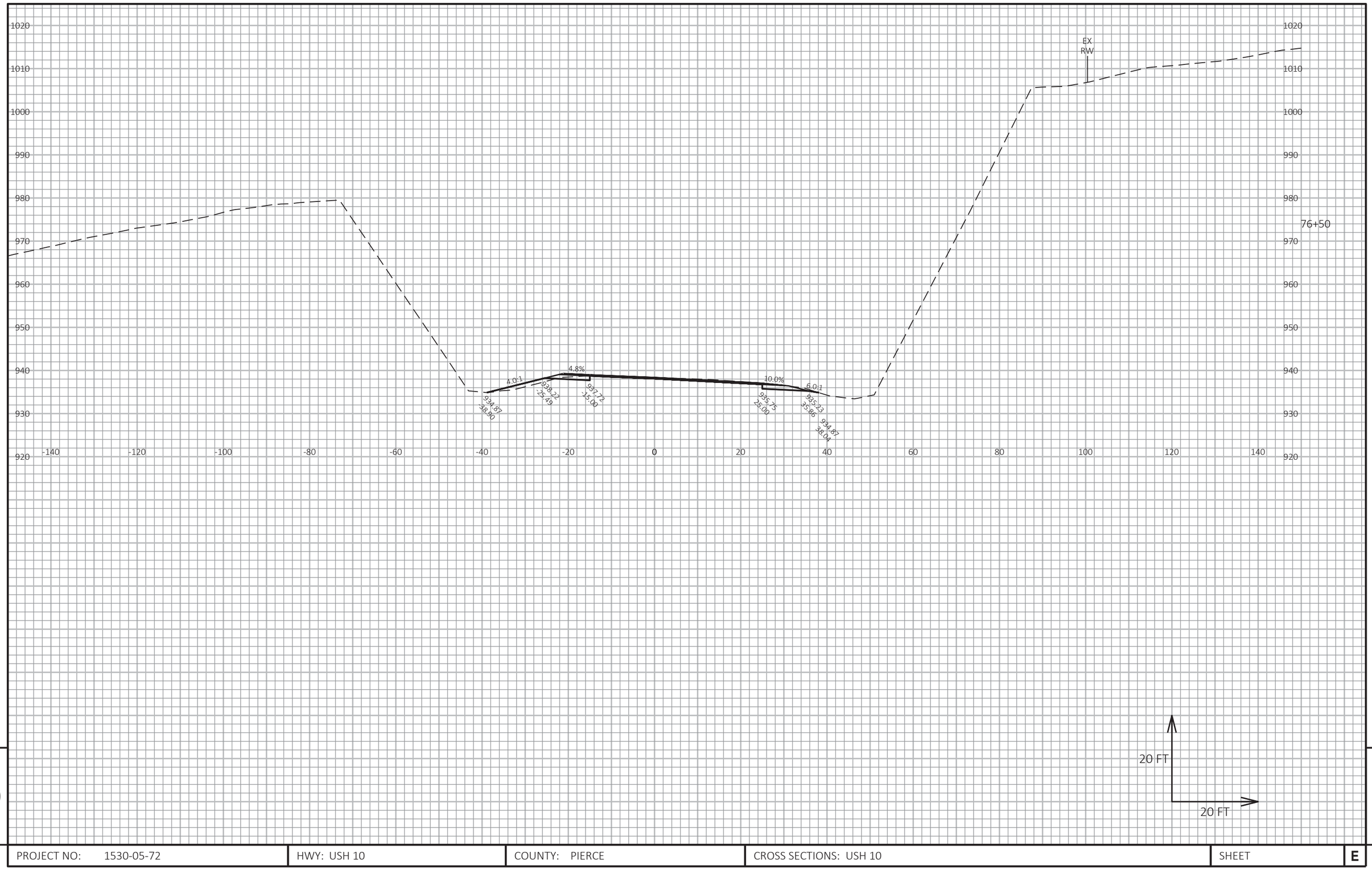
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 10

PLOT DATE : 7/2/2019 1:13 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

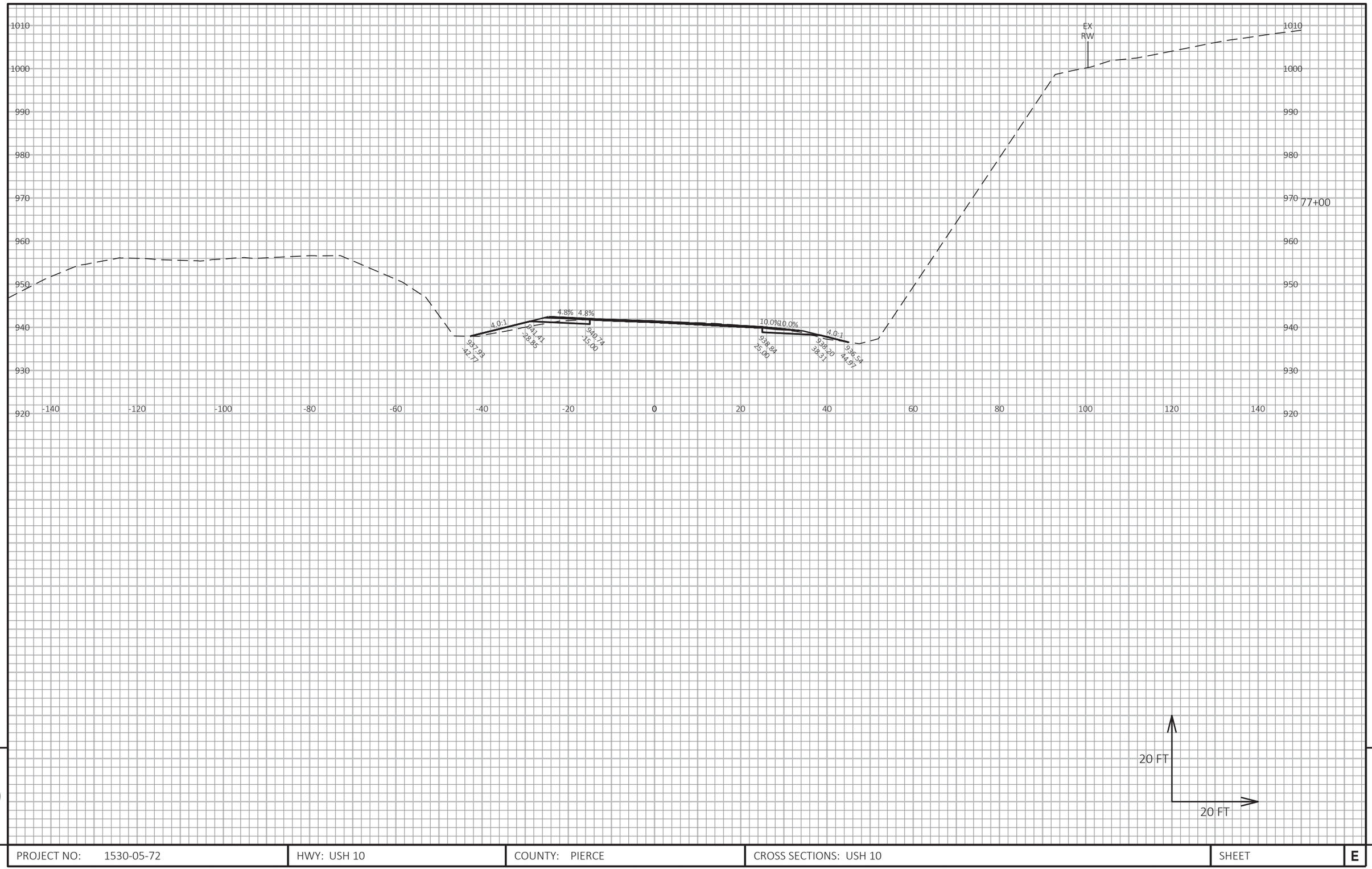
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 11

PLOT DATE : 7/2/2019 1:14 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

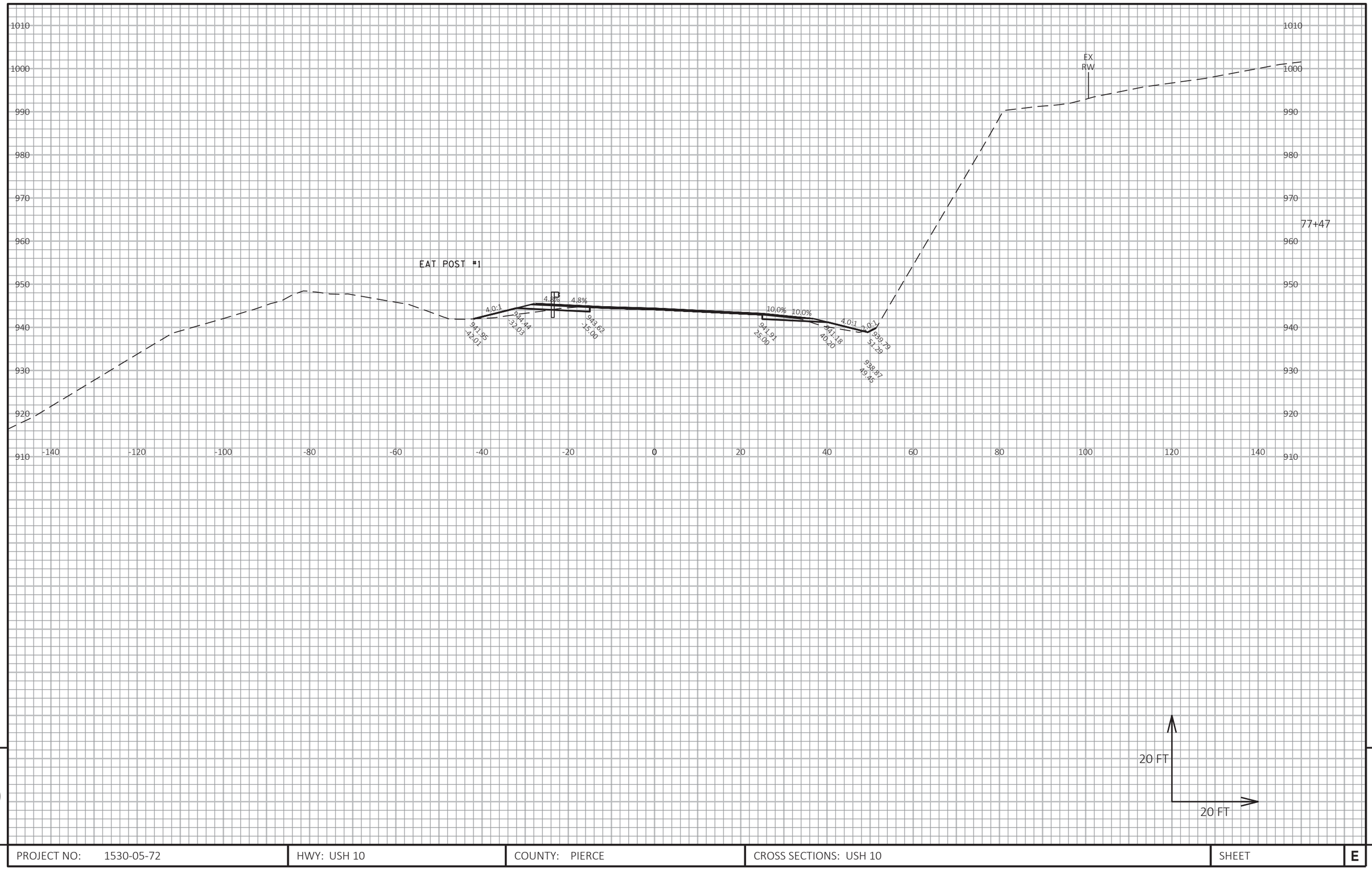
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 12

PLOT DATE : 7/2/2019 1:14 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



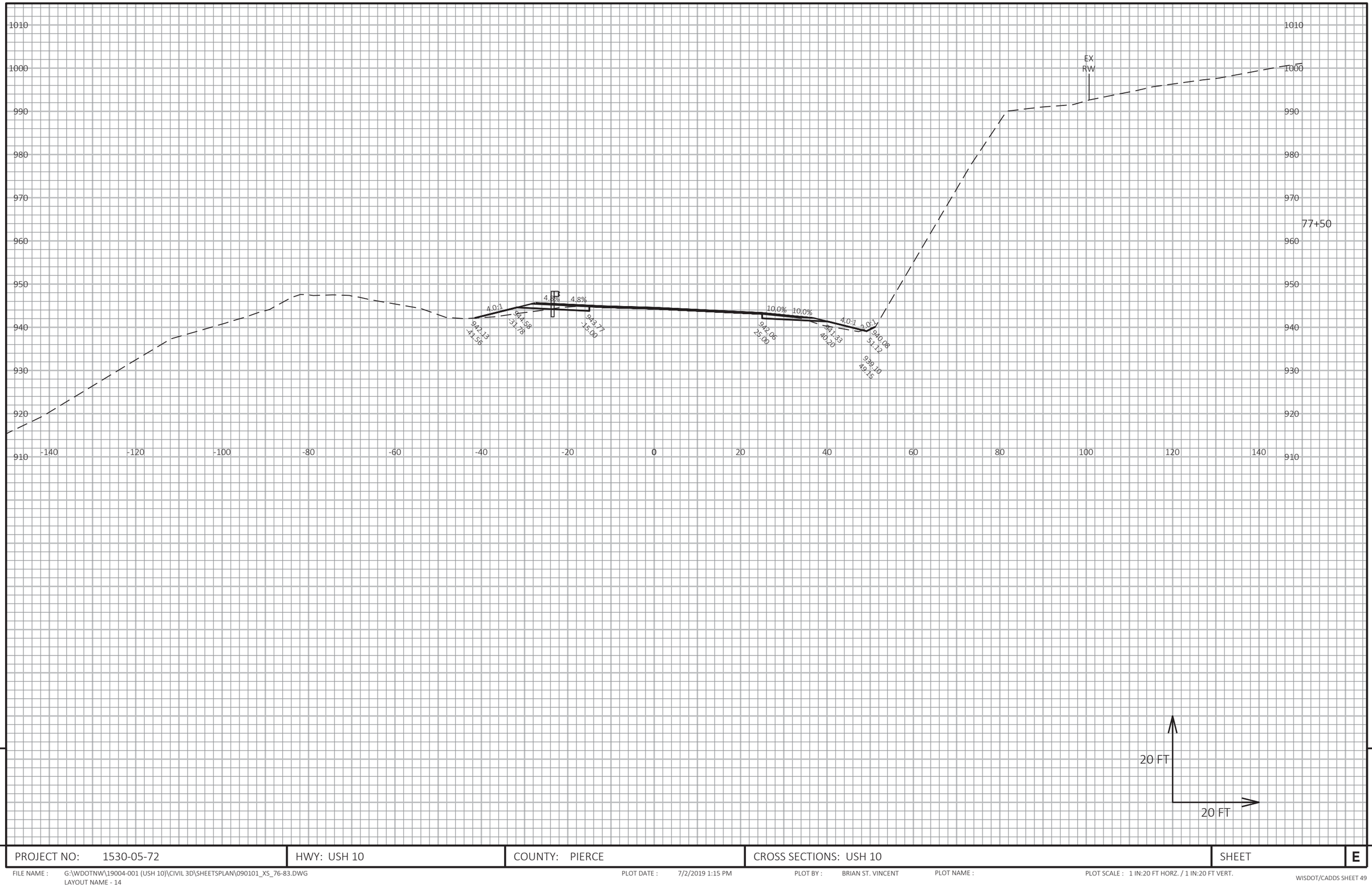
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 13

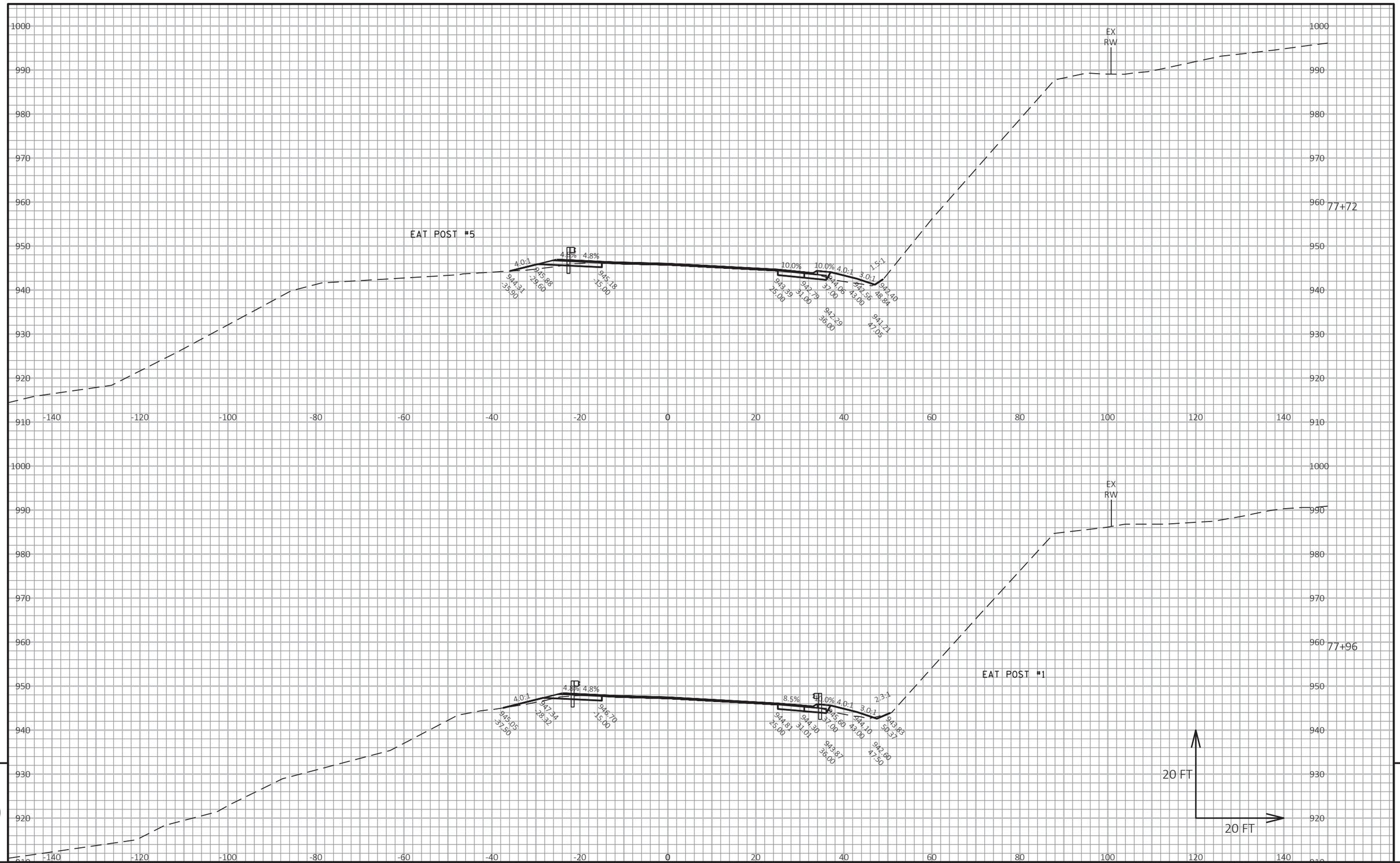
PLOT DATE : 7/2/2019 1:14 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 14

PLOT DATE : 7/2/2019 1:15 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

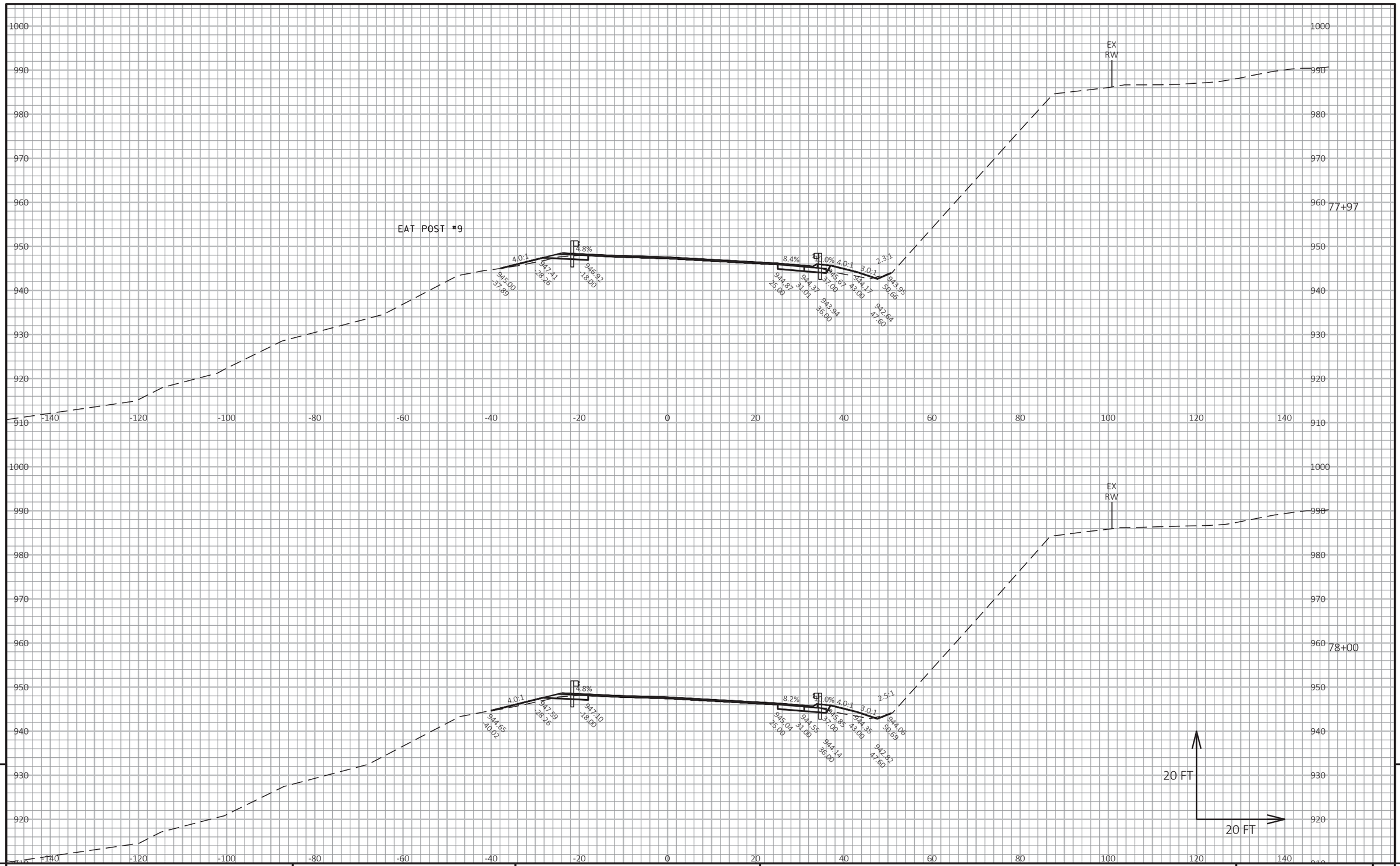
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 15

PLOT DATE : 7/2/2019 1:15 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

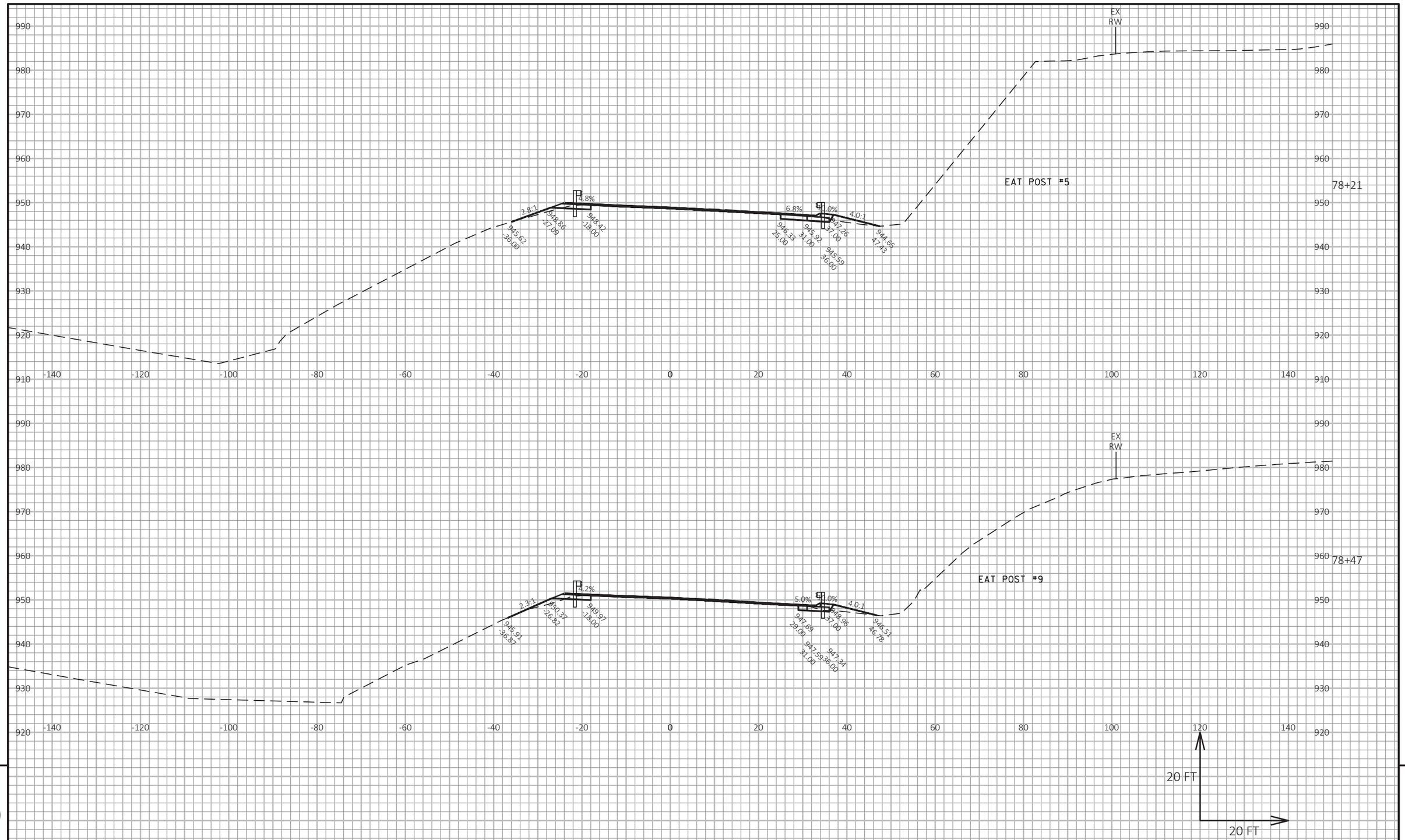
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 16

PLOT DATE : 7/2/2019 1:16 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

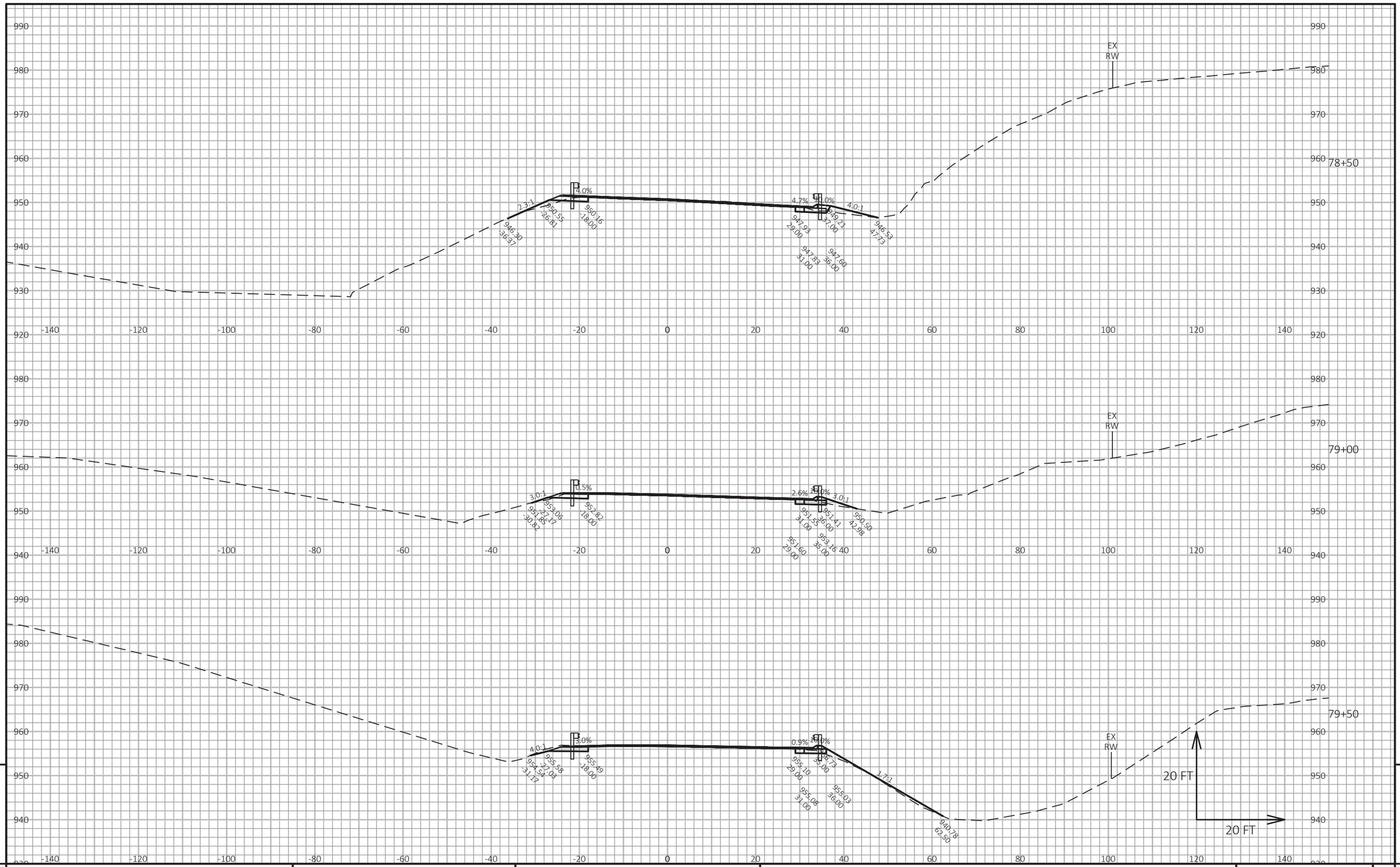
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 17

PLOT DATE : 7/2/2019 1:16 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

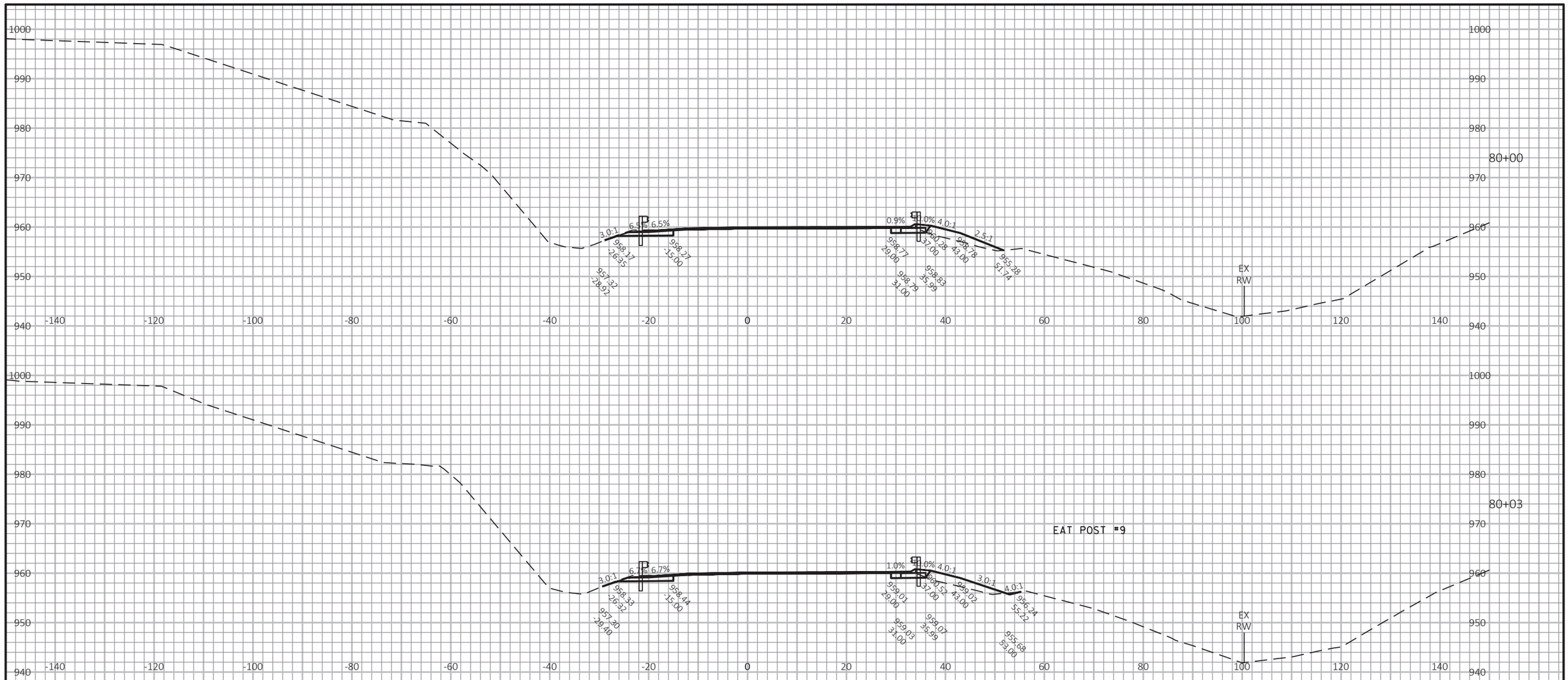
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 18

PLOT DATE : 7/2/2019 1:16 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



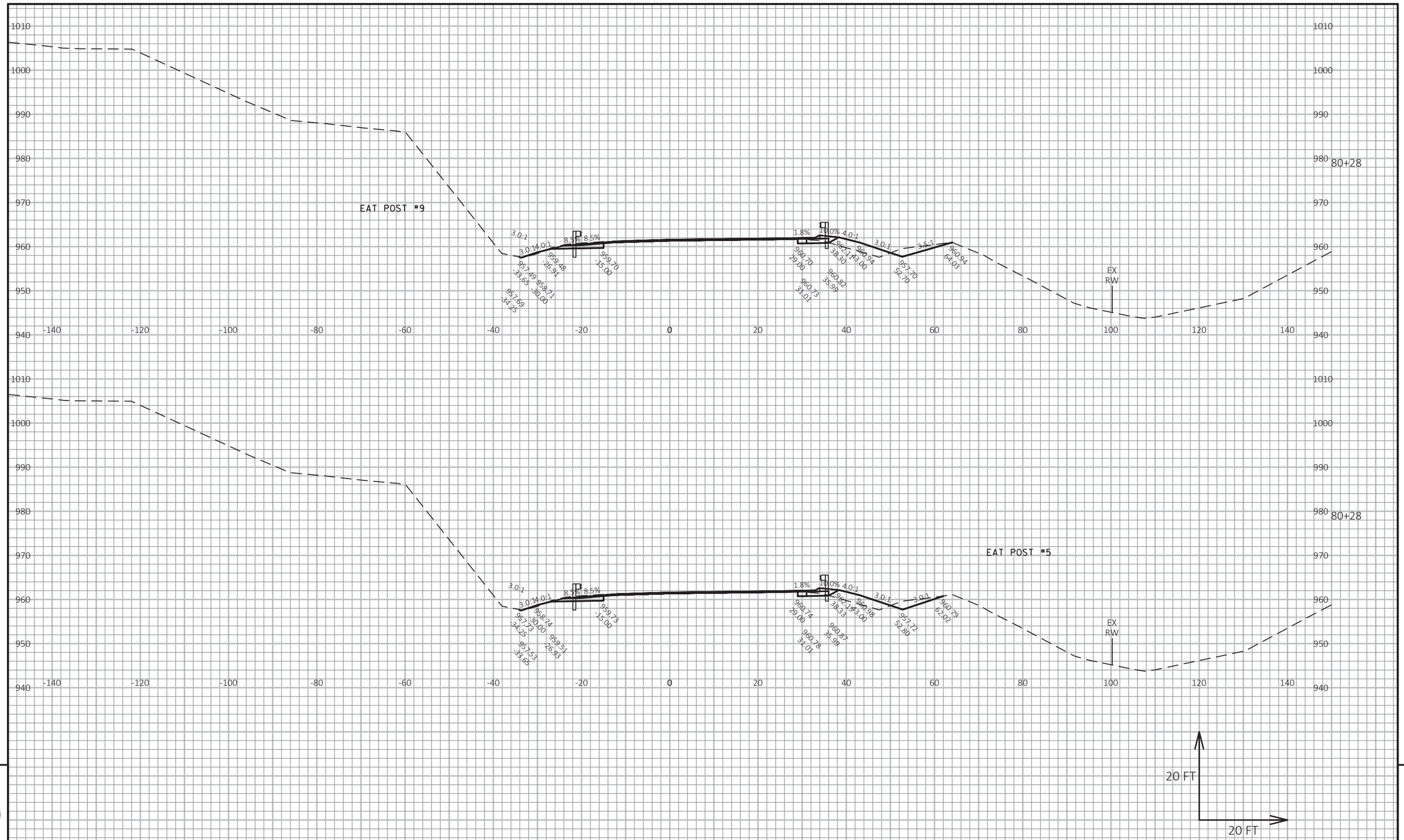
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 19

PLOT DATE : 7/2/2019 1:17 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



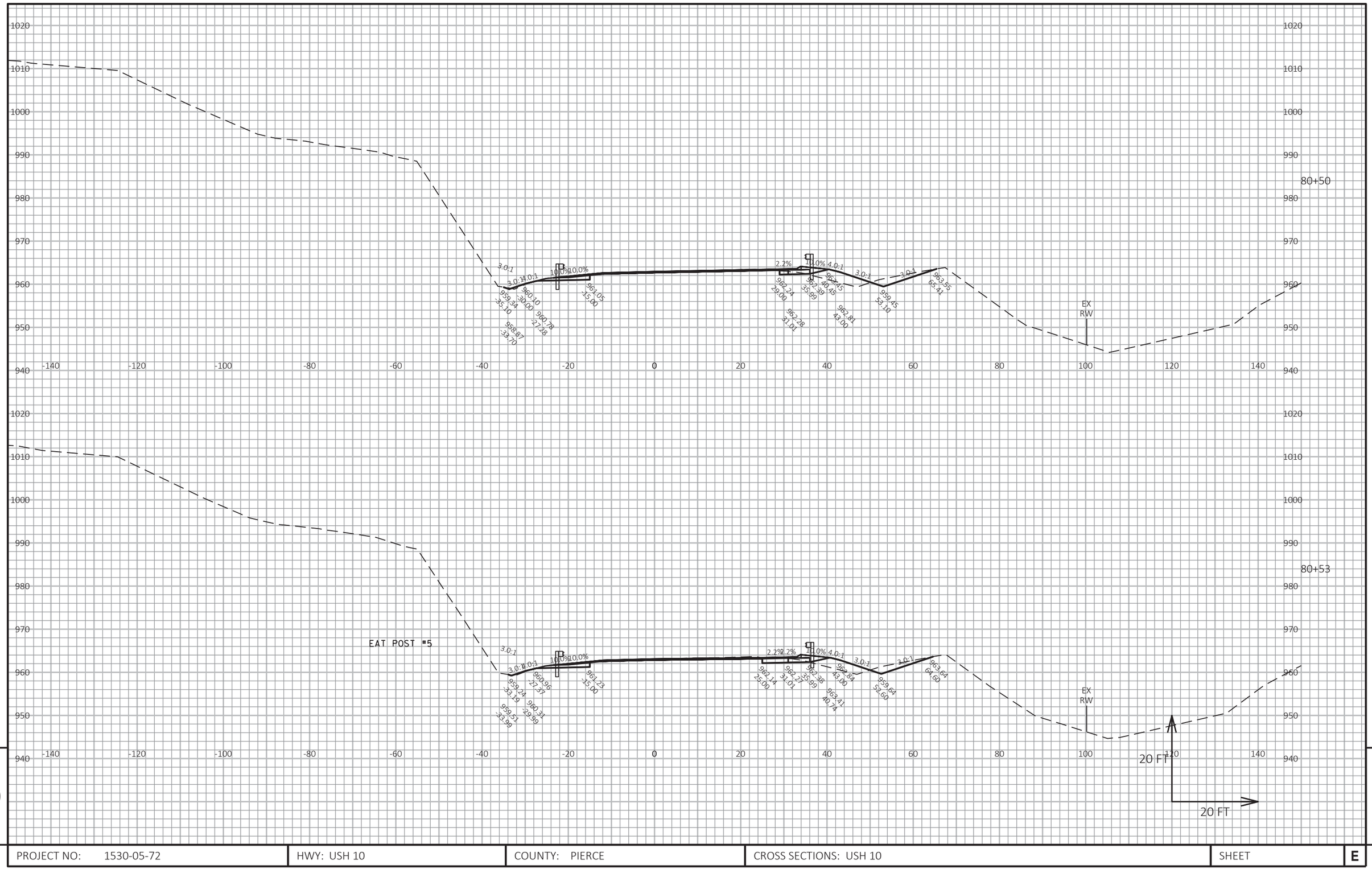
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 20

PLOT DATE : 7/2/2019 1:17 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 21

PLOT DATE : 7/2/2019 1:17 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

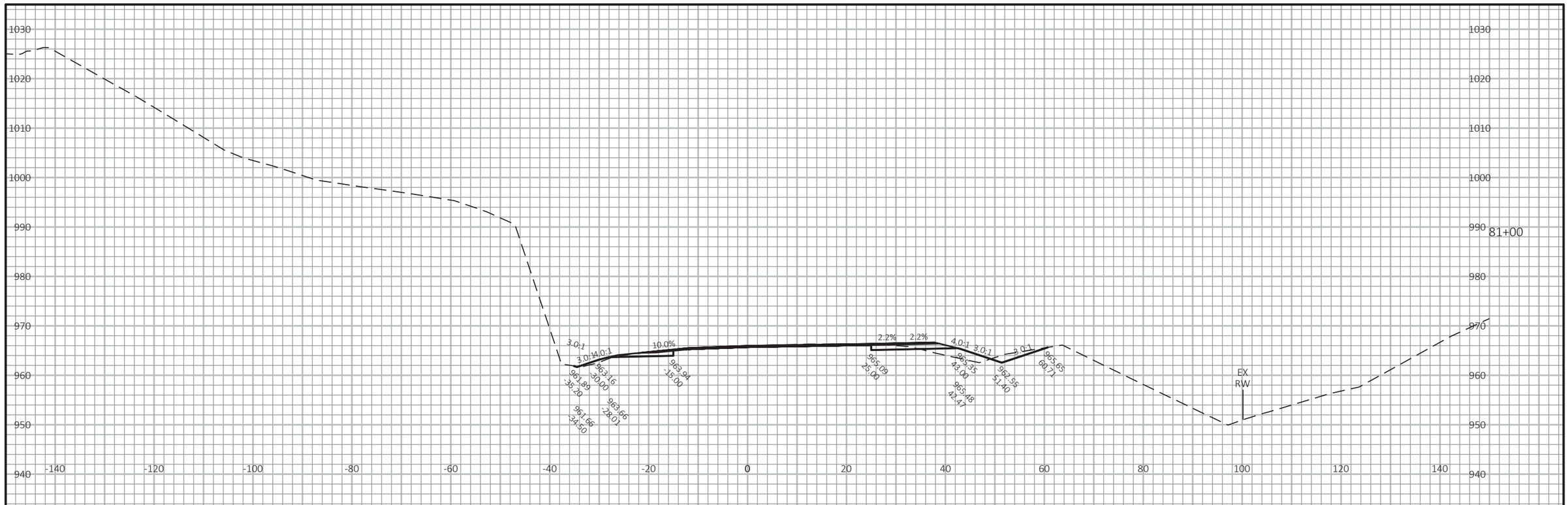
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

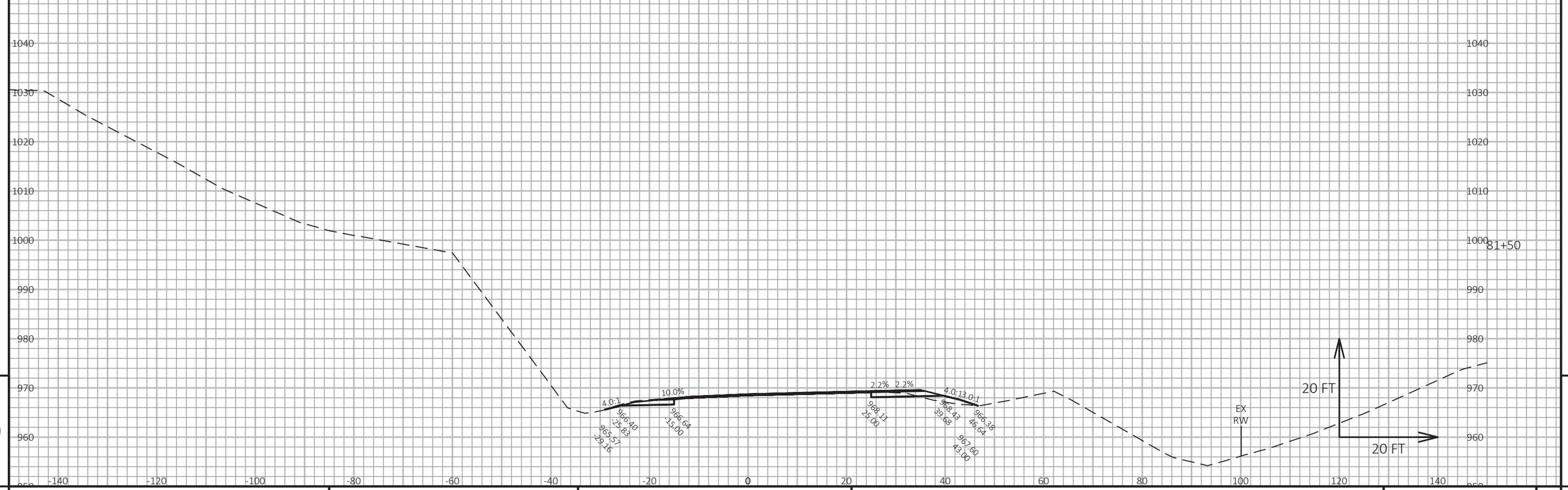


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 22

PLOT DATE : 7/2/2019 1:18 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

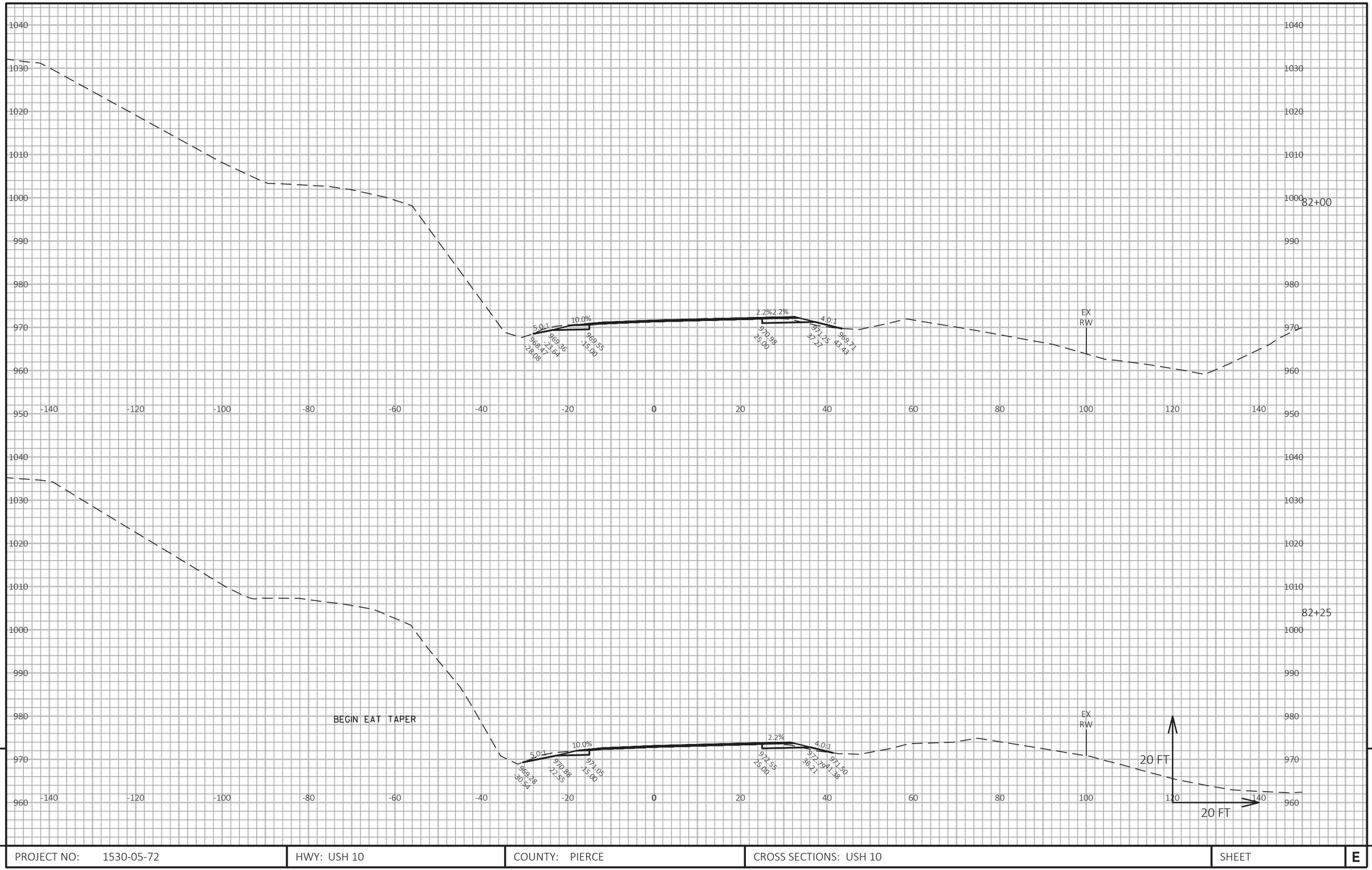
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 23

PLOT DATE : 7/2/2019 1:18 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



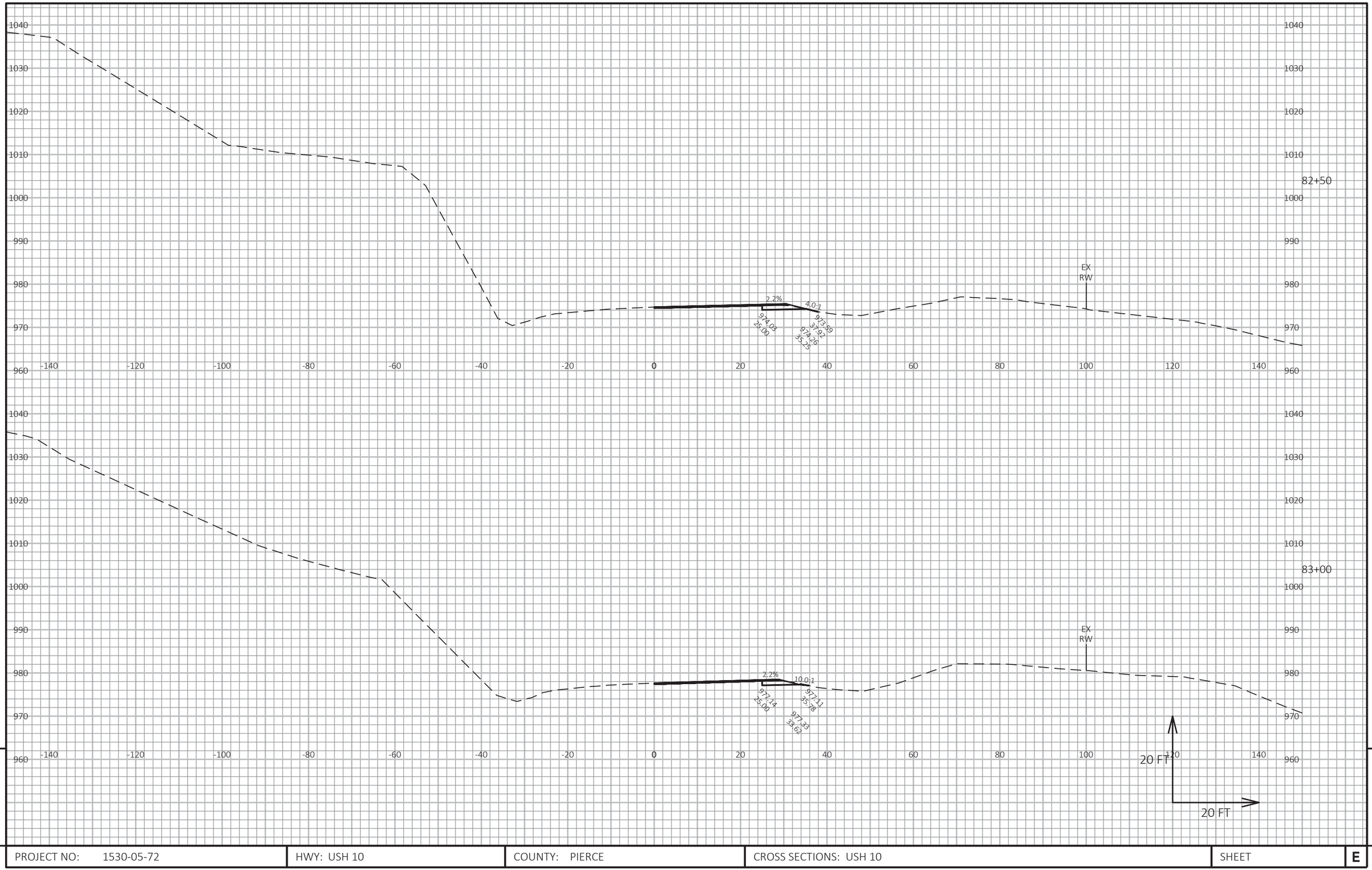
9 9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 24

PLOT DATE : 7/2/2019 1:19 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



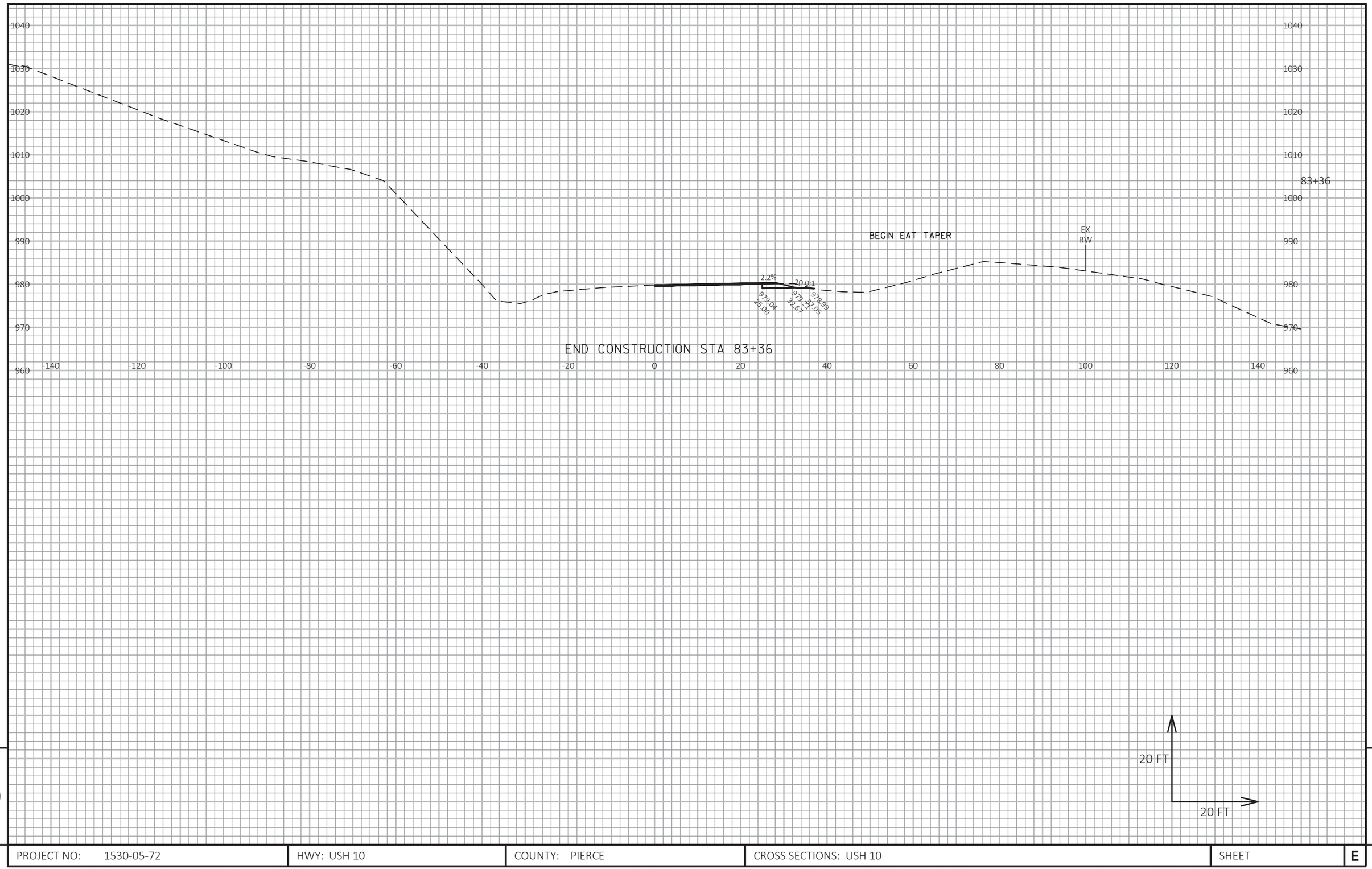
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 25

PLOT DATE : 7/2/2019 1:19 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_76-83.DWG
LAYOUT NAME - 26

PLOT DATE : 7/2/2019 1:19 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

BEGIN CONSTRUCTION STA 87+88

88+13

88+50

89+00

89+50

20 FT

20 FT

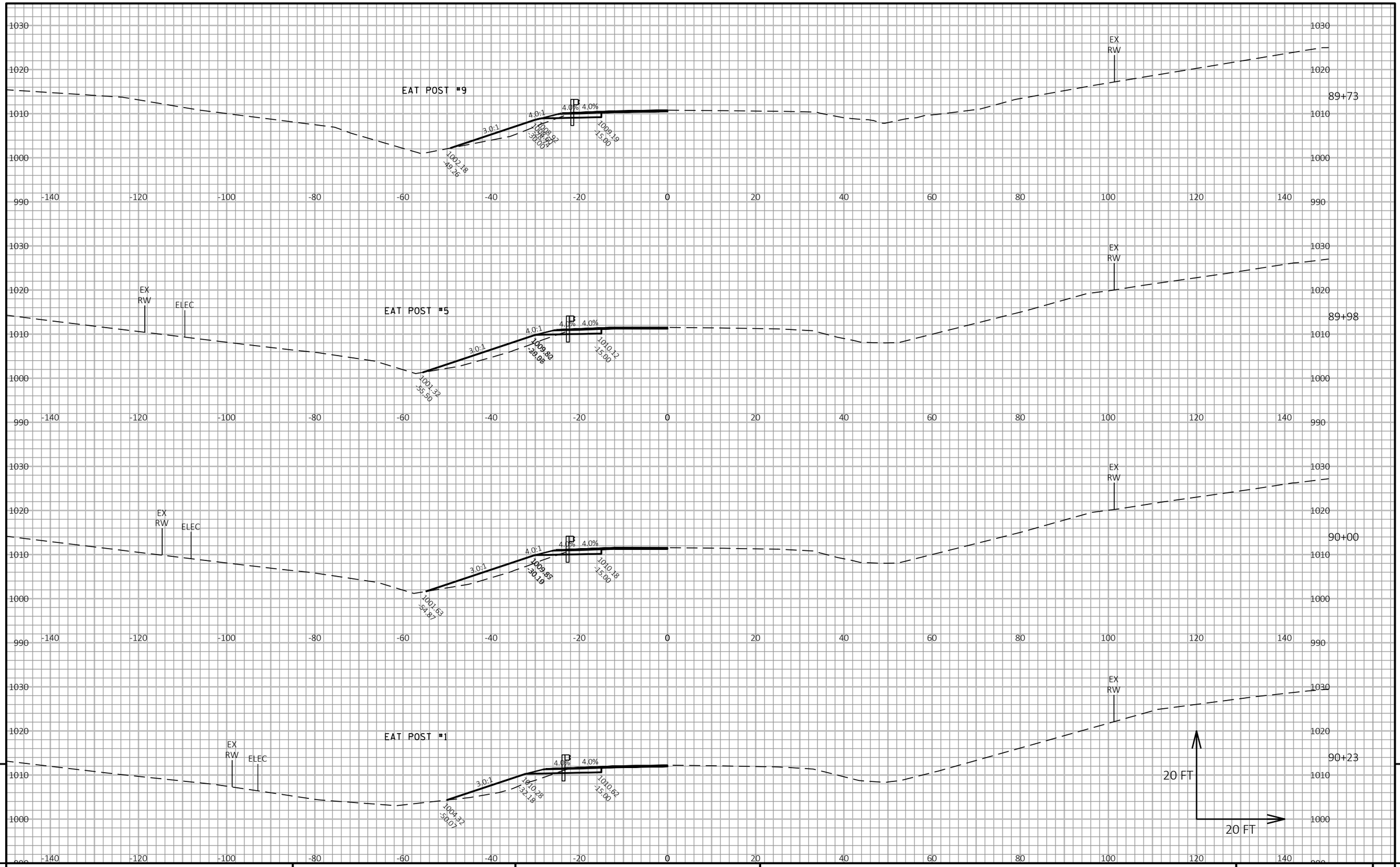
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_88-92.DWG
LAYOUT NAME - 10

PLOT DATE : 7/3/2019 12:28 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

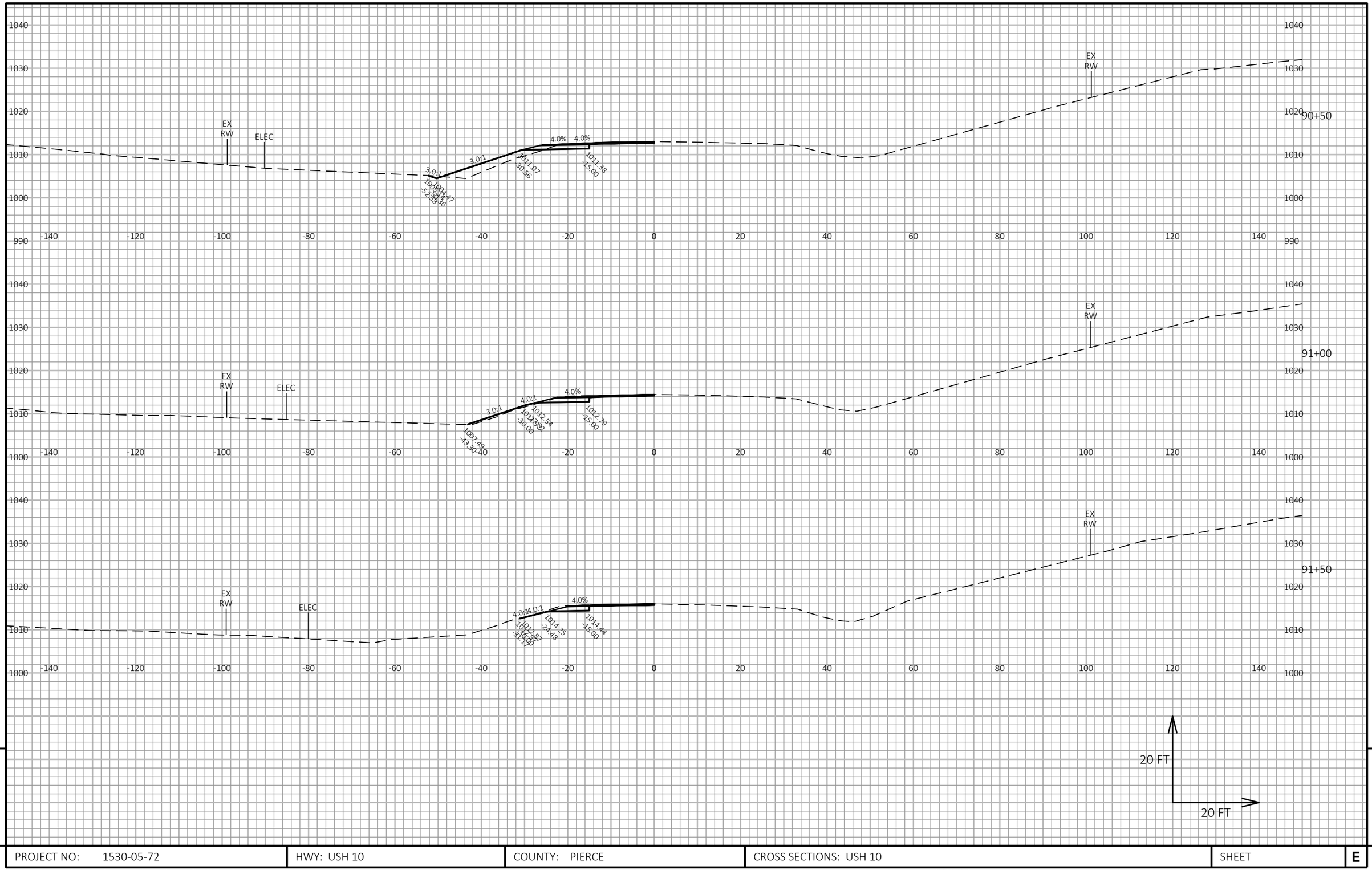
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_88-92.DWG
LAYOUT NAME - 11

PLOT DATE : 7/3/2019 12:29 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

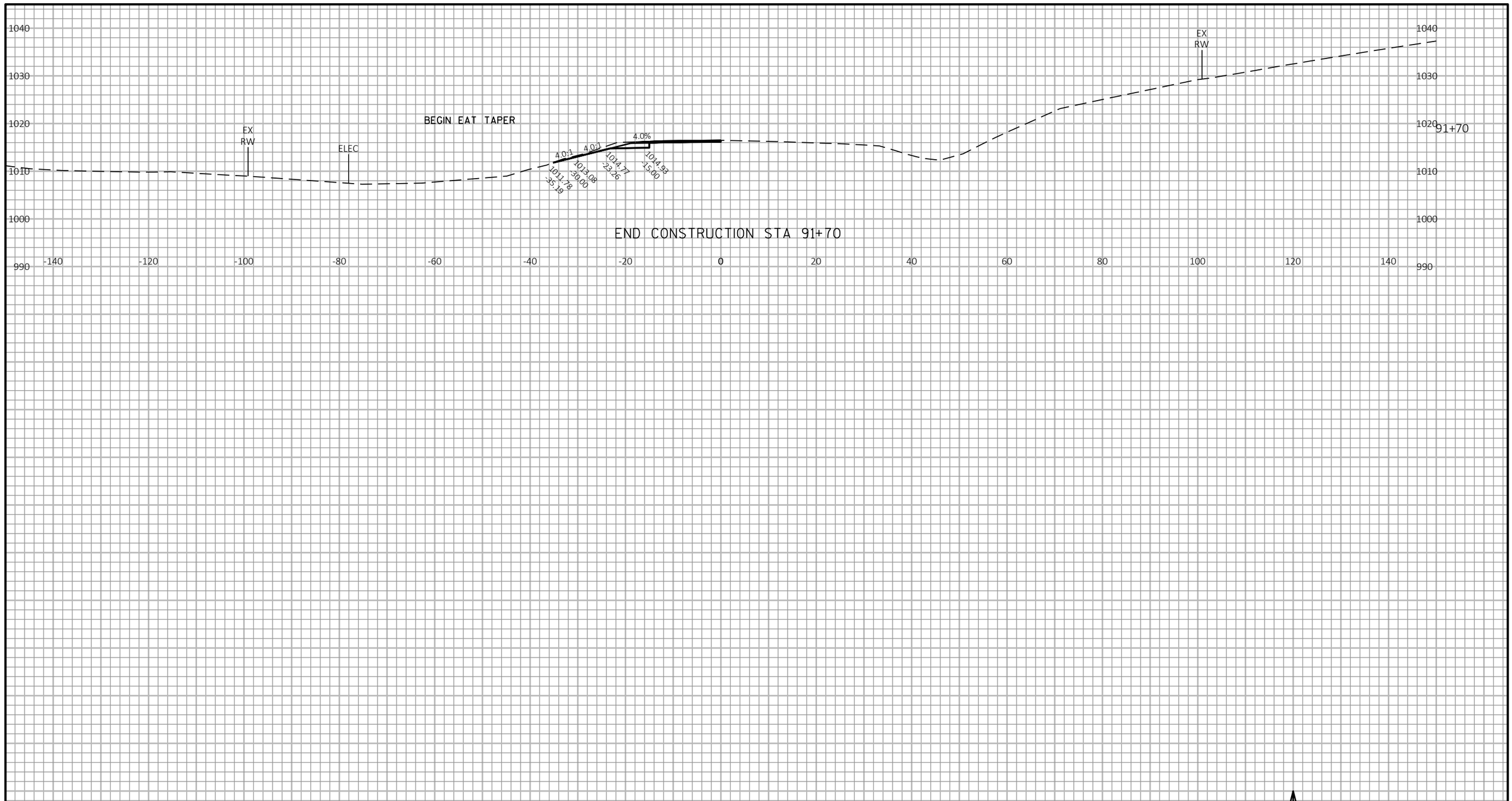


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_88-92.DWG
LAYOUT NAME - 12

PLOT DATE : 7/3/2019 12:29 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_88-92.DWG
LAYOUT NAME - 13

PLOT DATE : 7/3/2019 12:29 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

BEGIN CONSTRUCTION STA 182+31

BEGIN EAT TAPER

EAT POST #1

182+31

182+50

183+00

183+47

183+50

EX RW

FO

4.0%

4.0:1

3.0:1

20 FT

20 FT

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_182-193.DWG
LAYOUT NAME - 10

PLOT DATE : 7/3/2019 12:47 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

9

EAT POST #5

183+72

BEGIN EAT TAPER

183+86

EAT POST #9

183+97

184+00

184+50

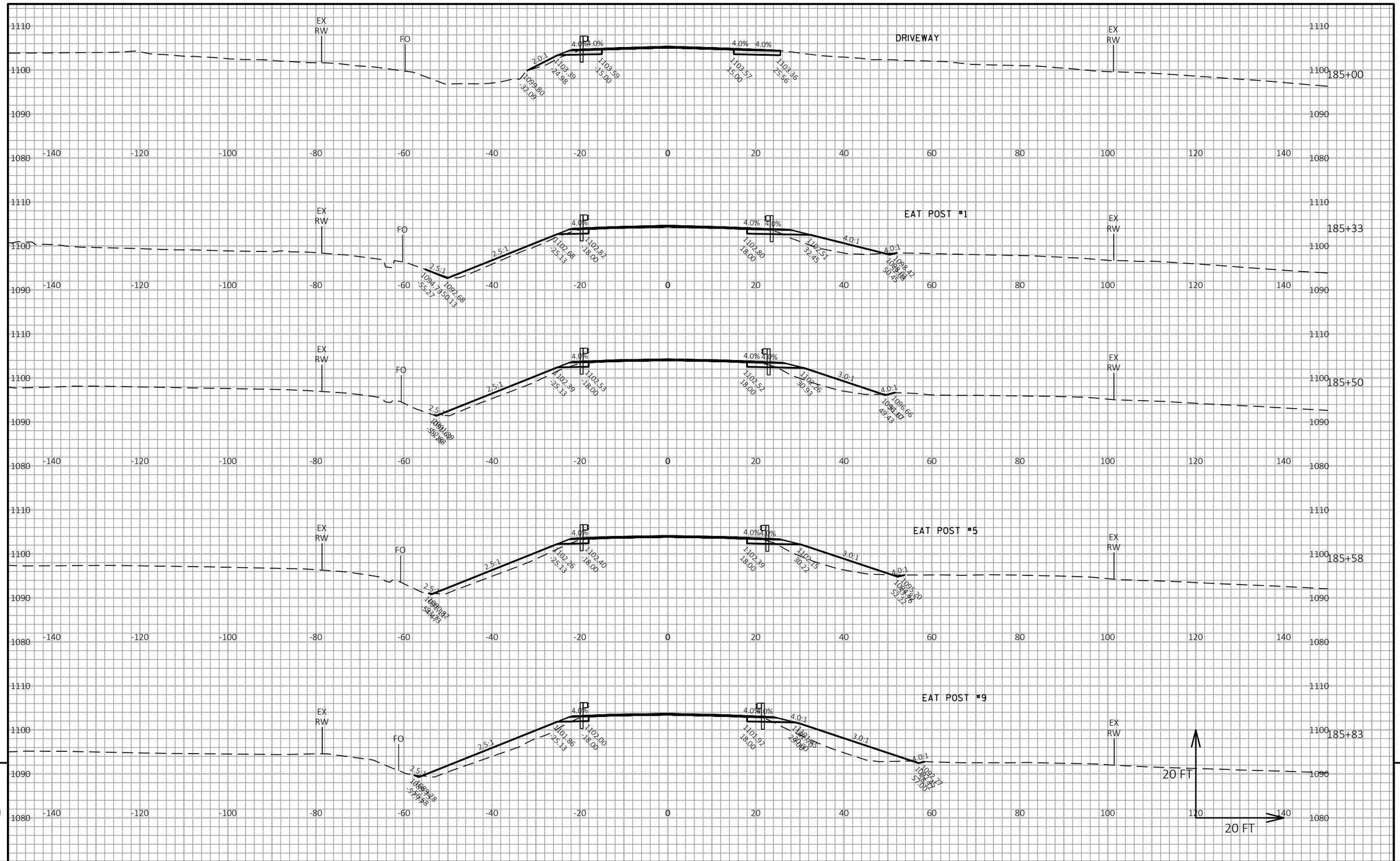
20 FT

20 FT

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_182-193.DWG
LAYOUT NAME - 11

PLOT DATE : 7/3/2019 12:47 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_182-193.DWG
LAYOUT NAME - 12

PLOT DATE : 7/3/2019 12:48 PM

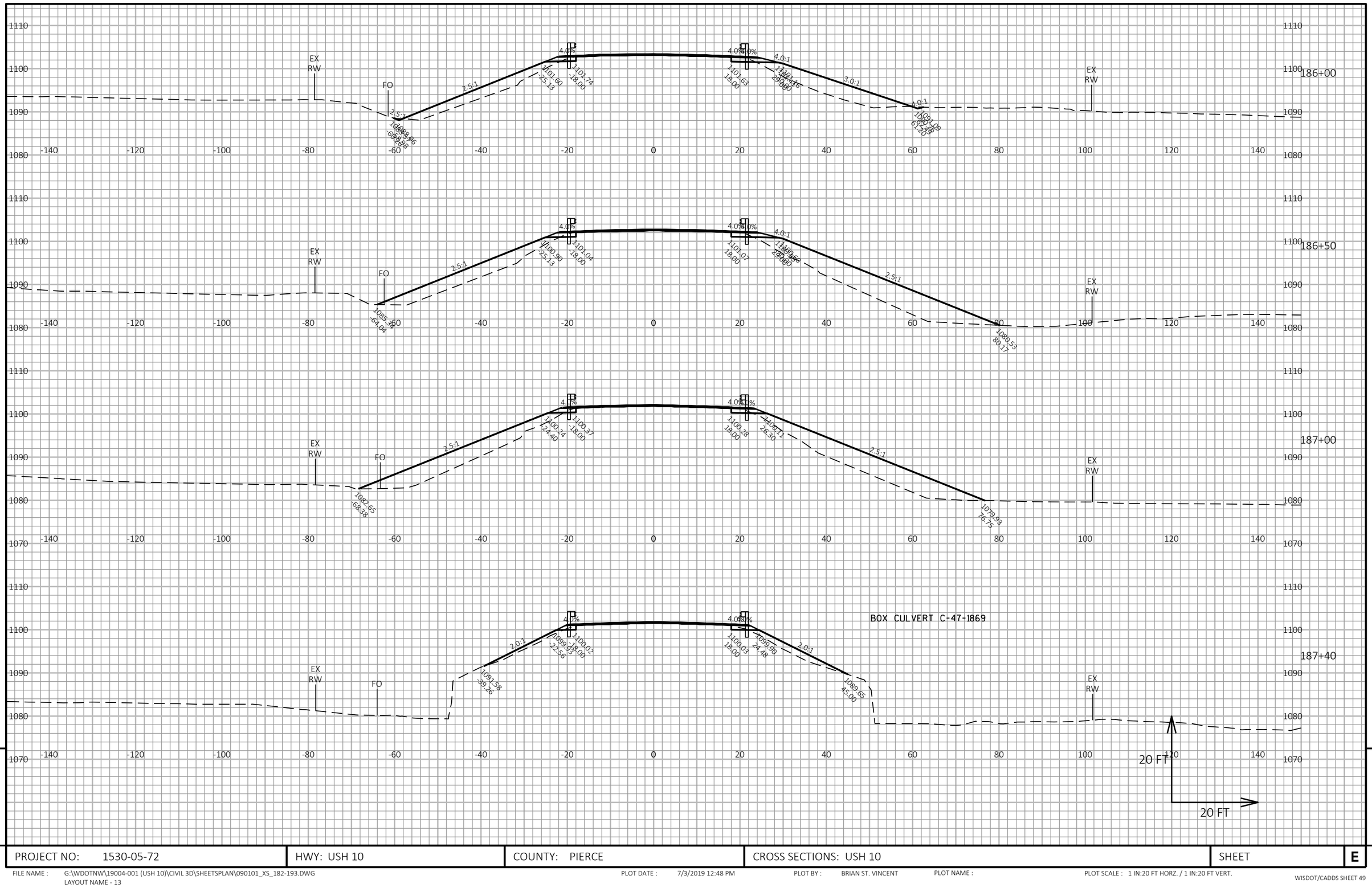
PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

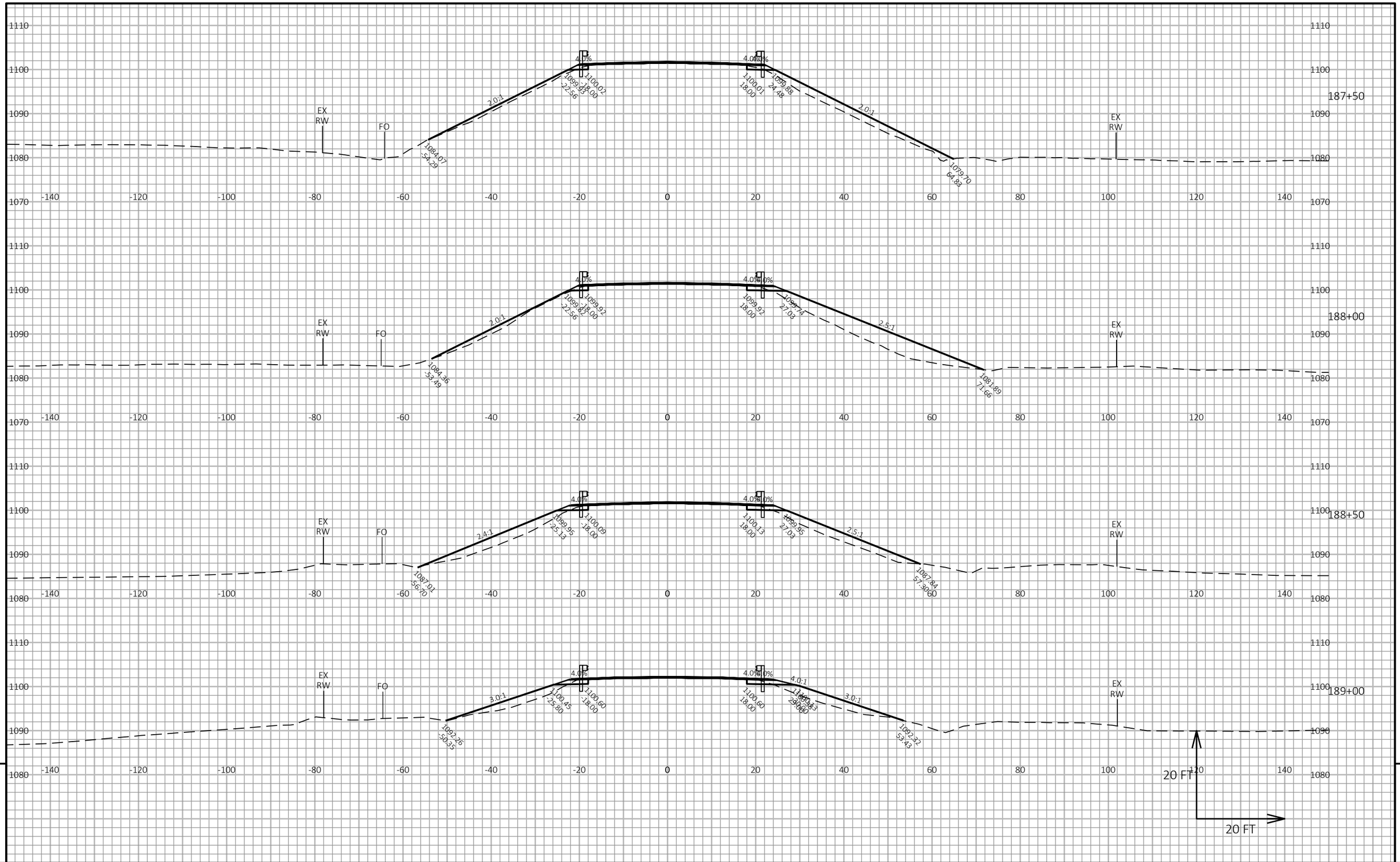


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_182-193.DWG
LAYOUT NAME - 13

PLOT DATE : 7/3/2019 12:48 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

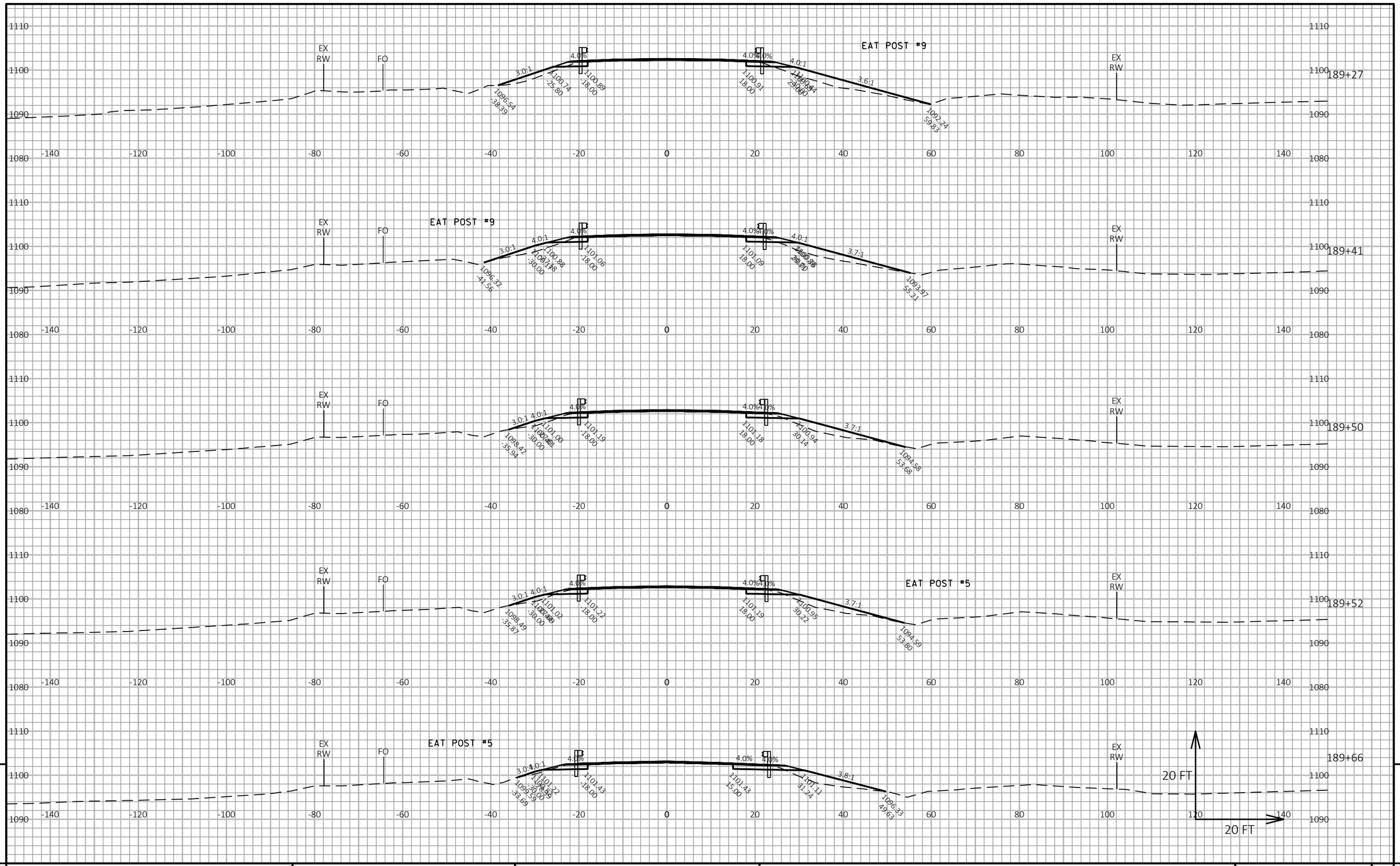


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_182-193.DWG
LAYOUT NAME - 14

PLOT DATE : 7/3/2019 12:48 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_182-193.DWG
LAYOUT NAME - 15

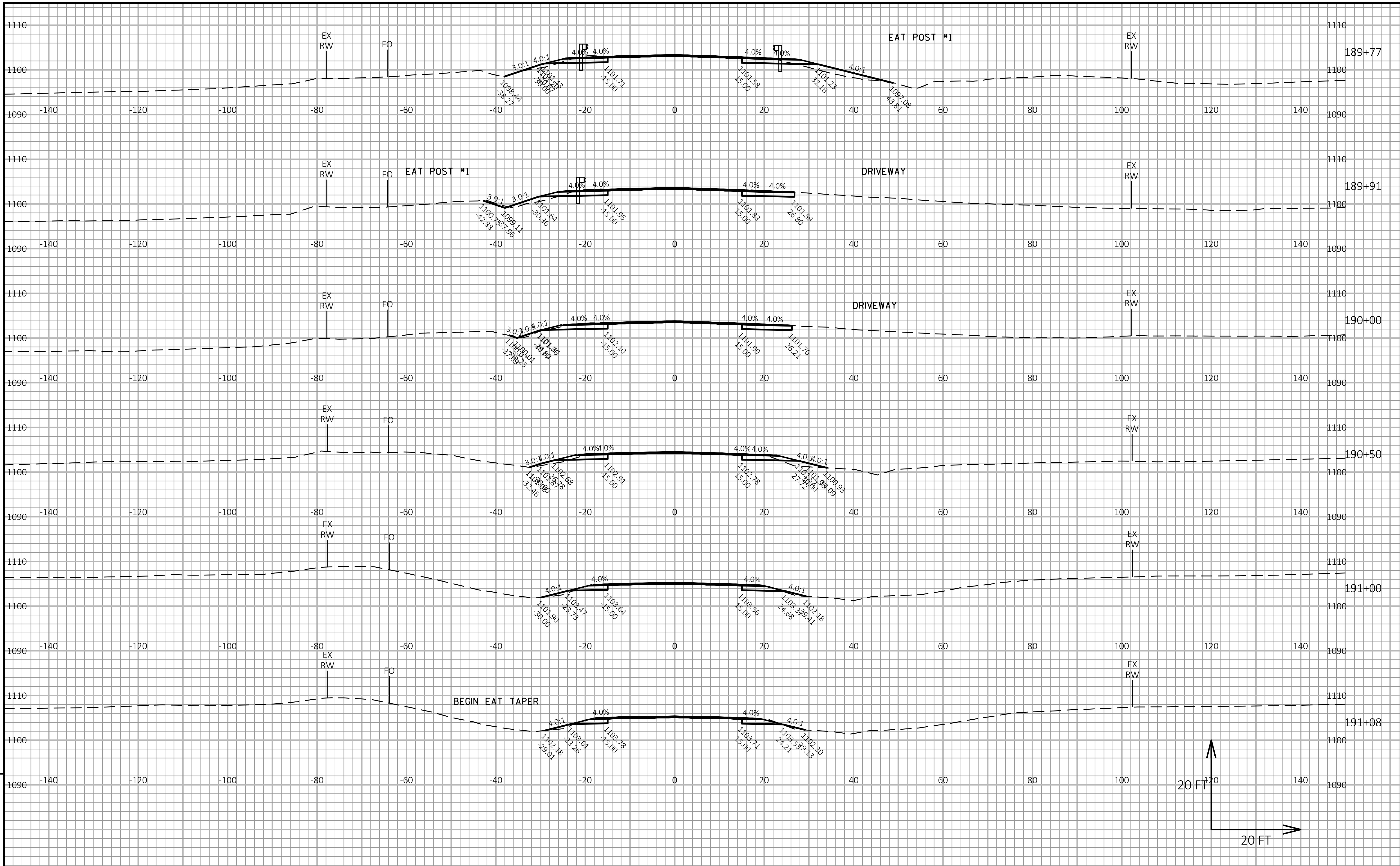
PLOT DATE : 7/3/2019 12:49 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

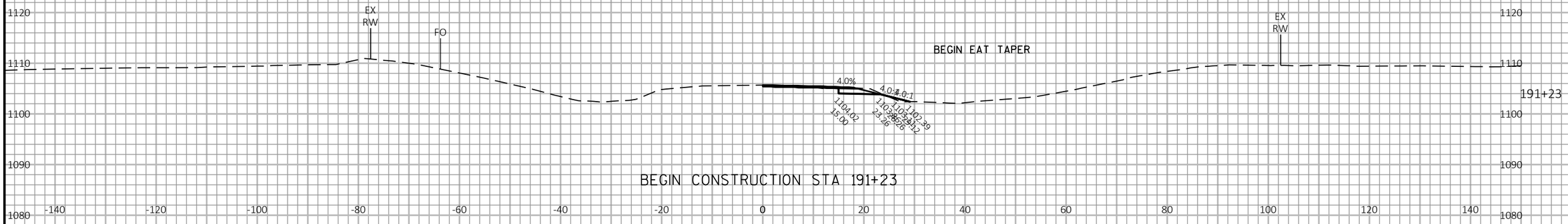
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_182-193.DWG
LAYOUT NAME - 16

PLOT DATE : 7/3/2019 12:49 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





9

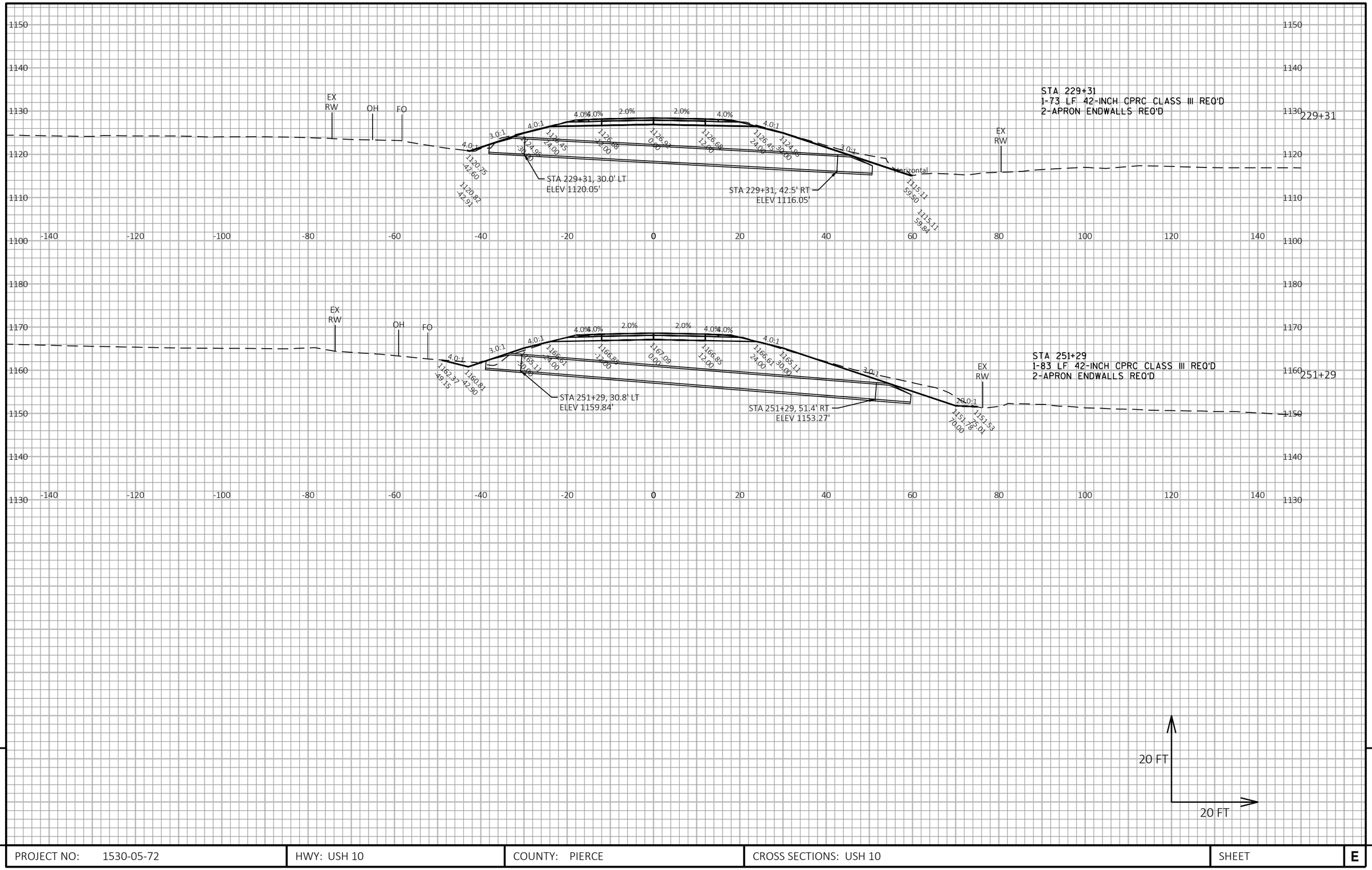
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_182-193.DWG
LAYOUT NAME - 17

PLOT DATE : 7/3/2019 12:50 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_182-193.DWG
LAYOUT NAME - 81

PLOT DATE : 7/3/2019 12:52 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9

BEGIN CONSTRUCTION STA 284+88

BEGIN EAT TAPER

EX RW

FO

EX OH RW

4.0%

4.0:1

1146.20
15.00

1146.04
22.96

1144.32
30.13

284+88

285+00

285+41

BEGIN EAT TAPER

6.0:1

1143.24
23.26

1142.81
25.88

1143.41
15.00

1143.55
15.00

1143.32
26.48

3.0:1

1141.19
37.84

1140.60
35.50

1142.44
30.00

285+50

1142.81
25.83

1142.42
25.39

1142.99
15.00

1143.17
15.00

1142.92
27.04

1142.19
30.00

1140.75
37.54

1140.29
35.70

286+00

1140.40
26.87

1138.76
35.45

1139.62
30.00

1140.64
15.00

1140.82
15.00

1140.51
30.09

1137.51
35.09

1139.06
45.27

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_285-296.DWG
LAYOUT NAME - 10

PLOT DATE : 7/3/2019 1:03 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_285-296.DWG
LAYOUT NAME - 11

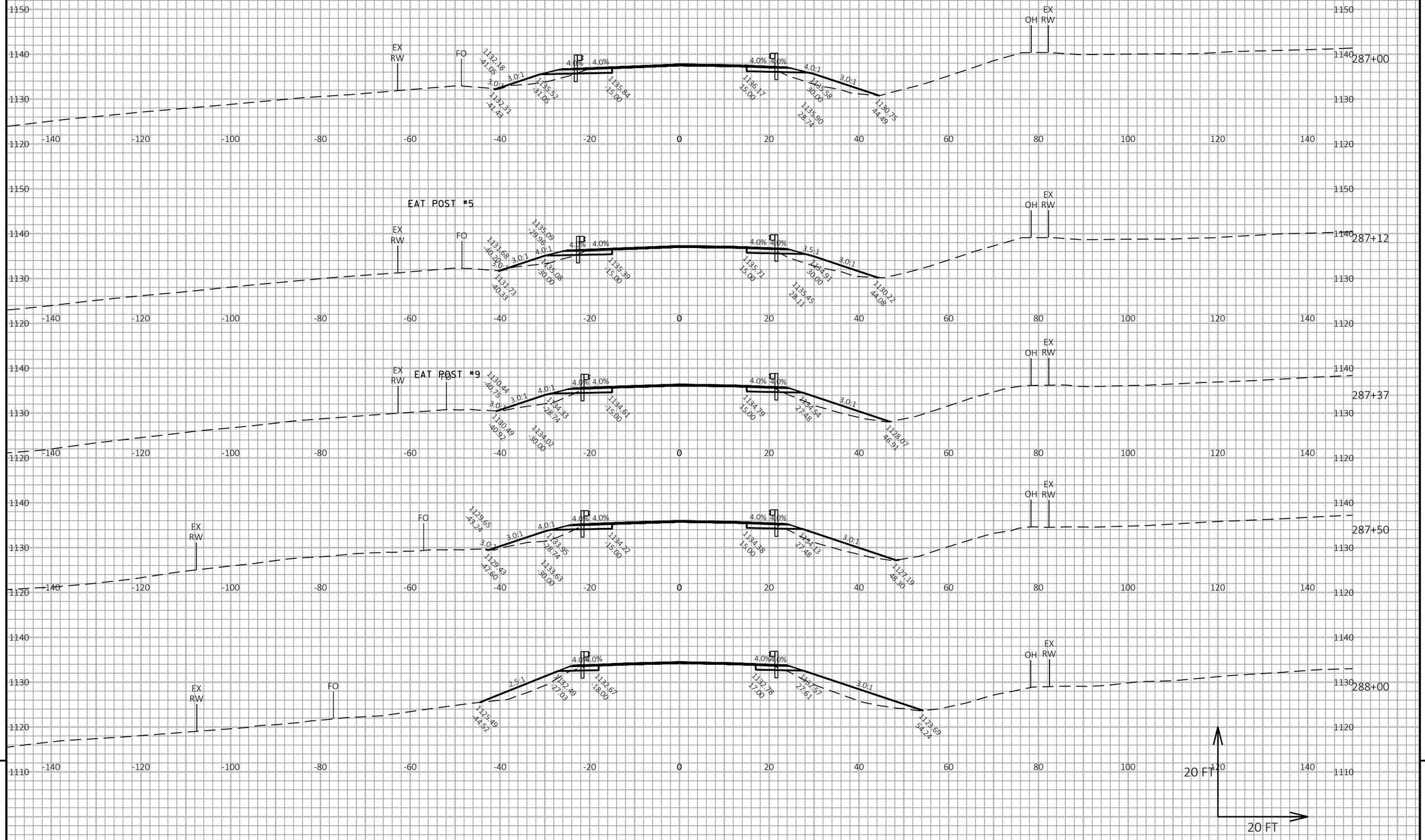
PLOT DATE : 7/3/2019 1:03 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

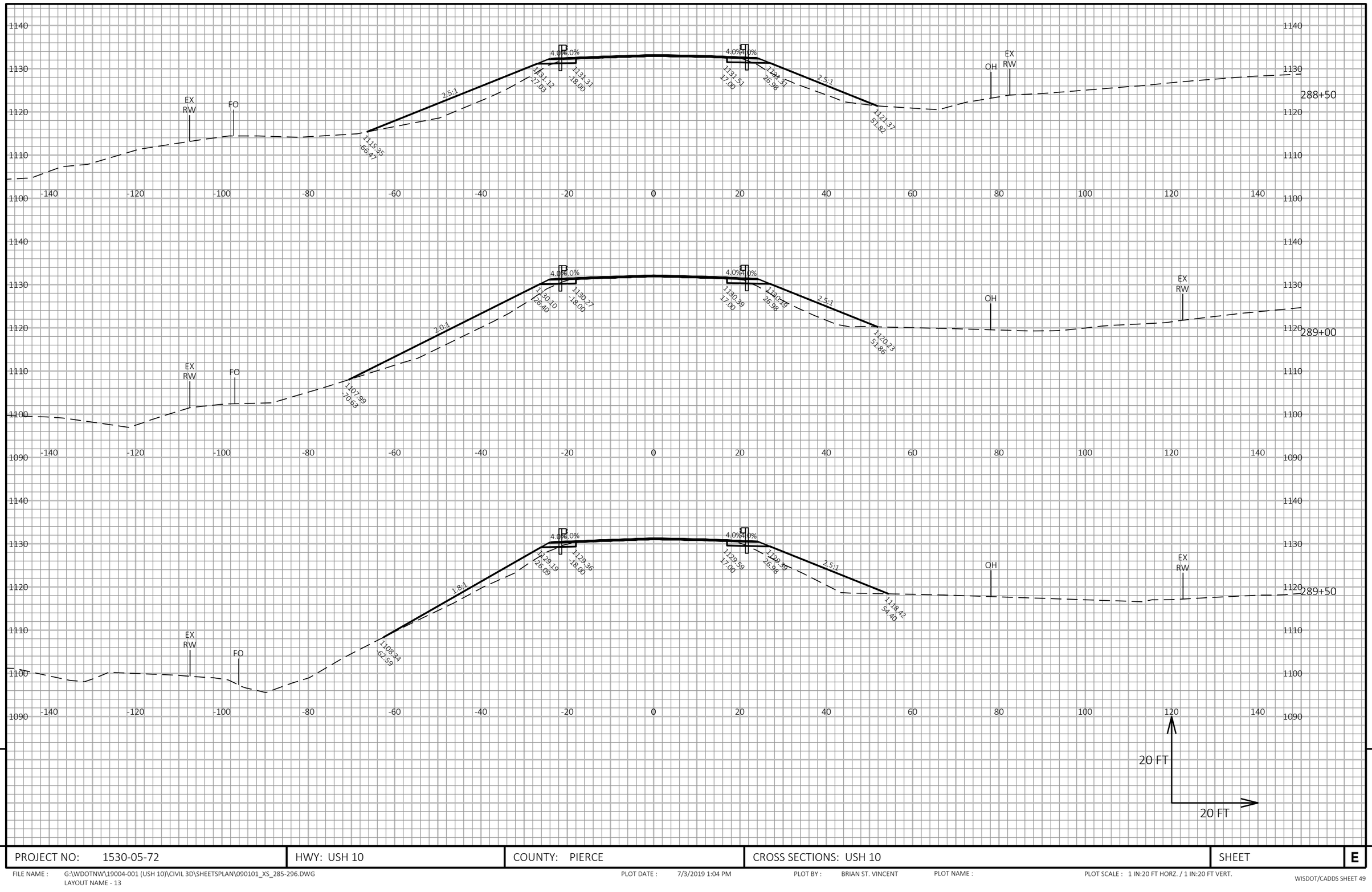
WISDOT/CADDS SHEET 49



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_285-296.DWG
LAYOUT NAME - 12

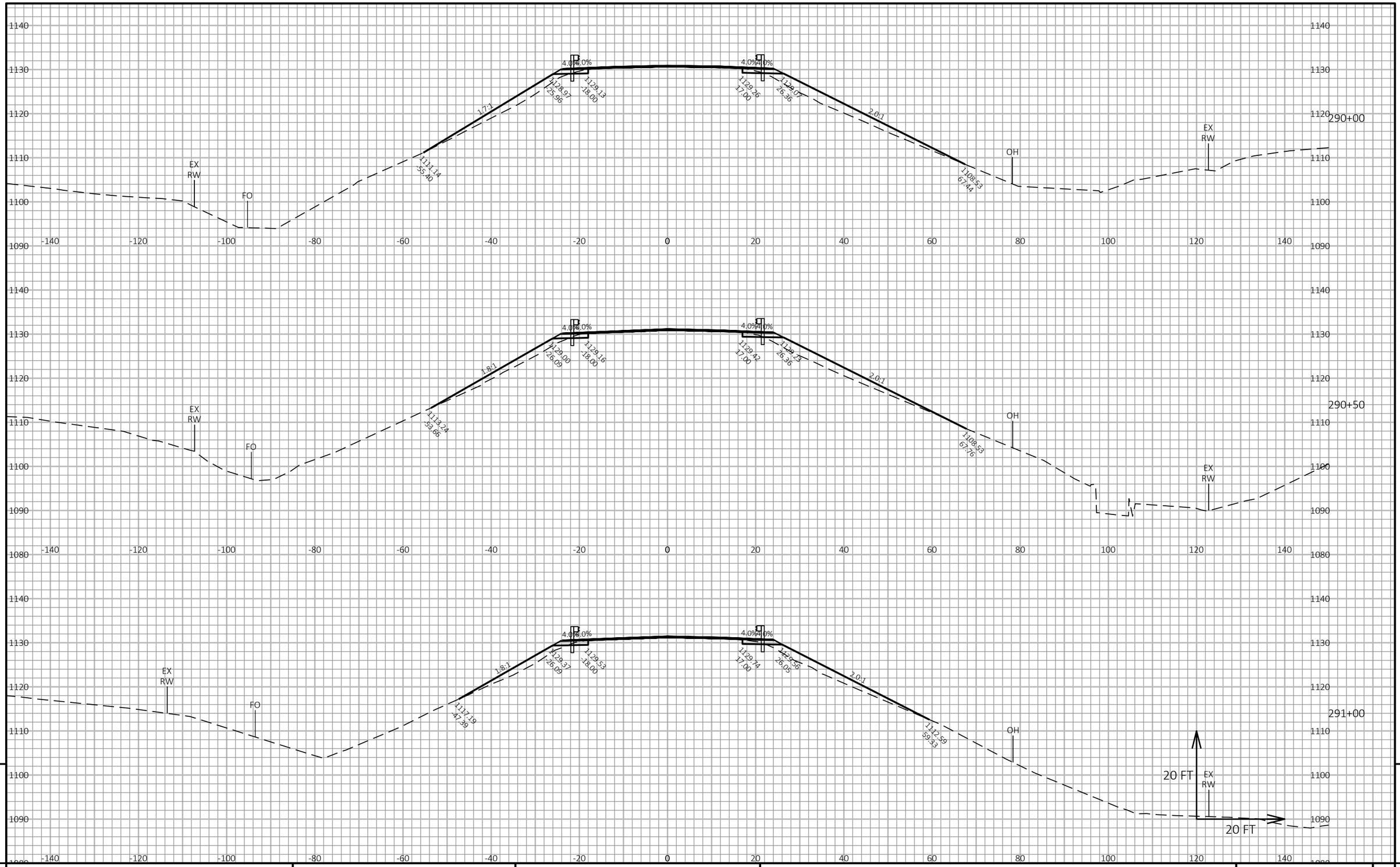
PLOT DATE : 7/3/2019 1:03 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_285-296.DWG
LAYOUT NAME - 13

PLOT DATE : 7/3/2019 1:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

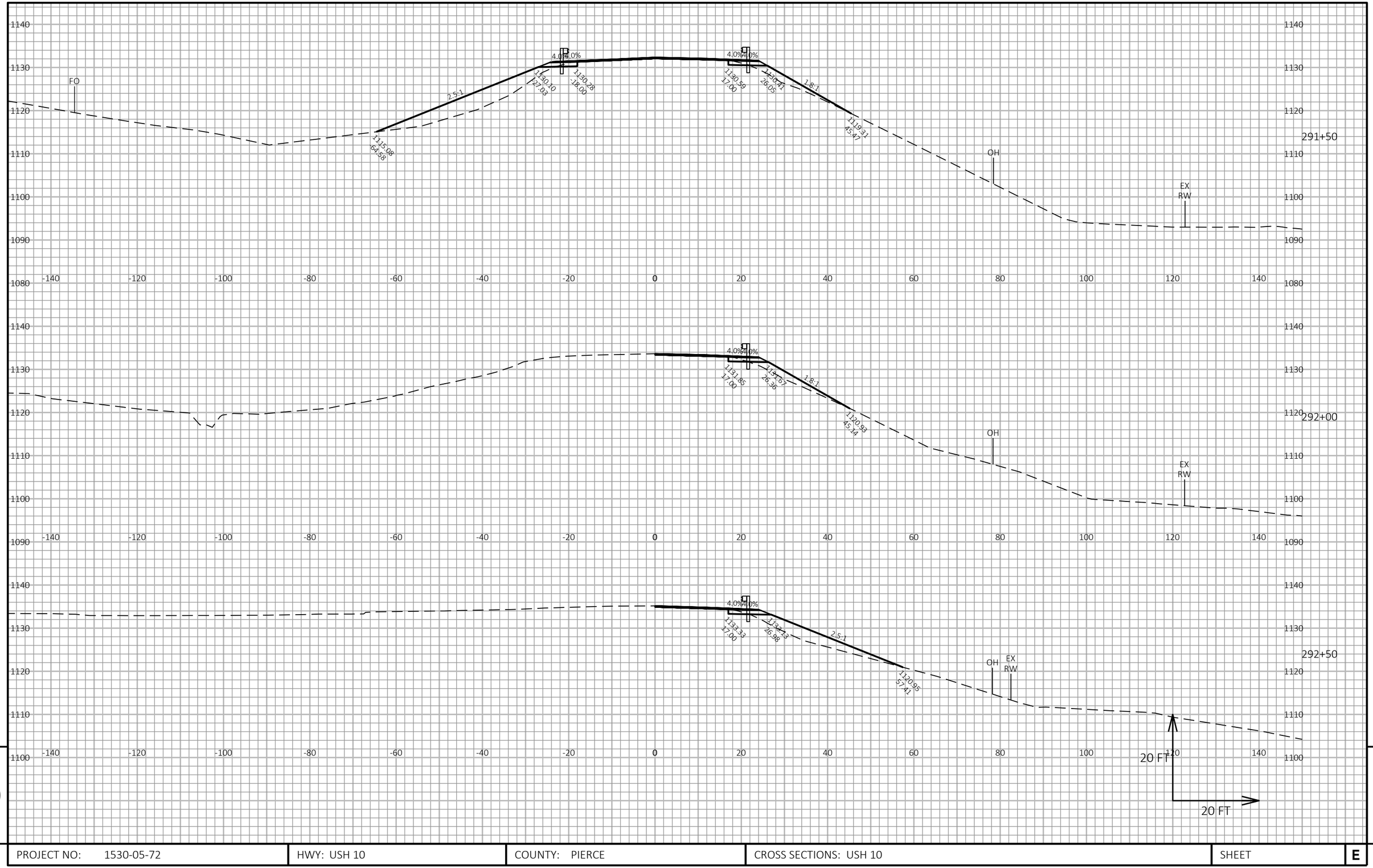
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_285-296.DWG
LAYOUT NAME - 14

PLOT DATE : 7/3/2019 1:04 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_285-296.DWG
LAYOUT NAME - 15

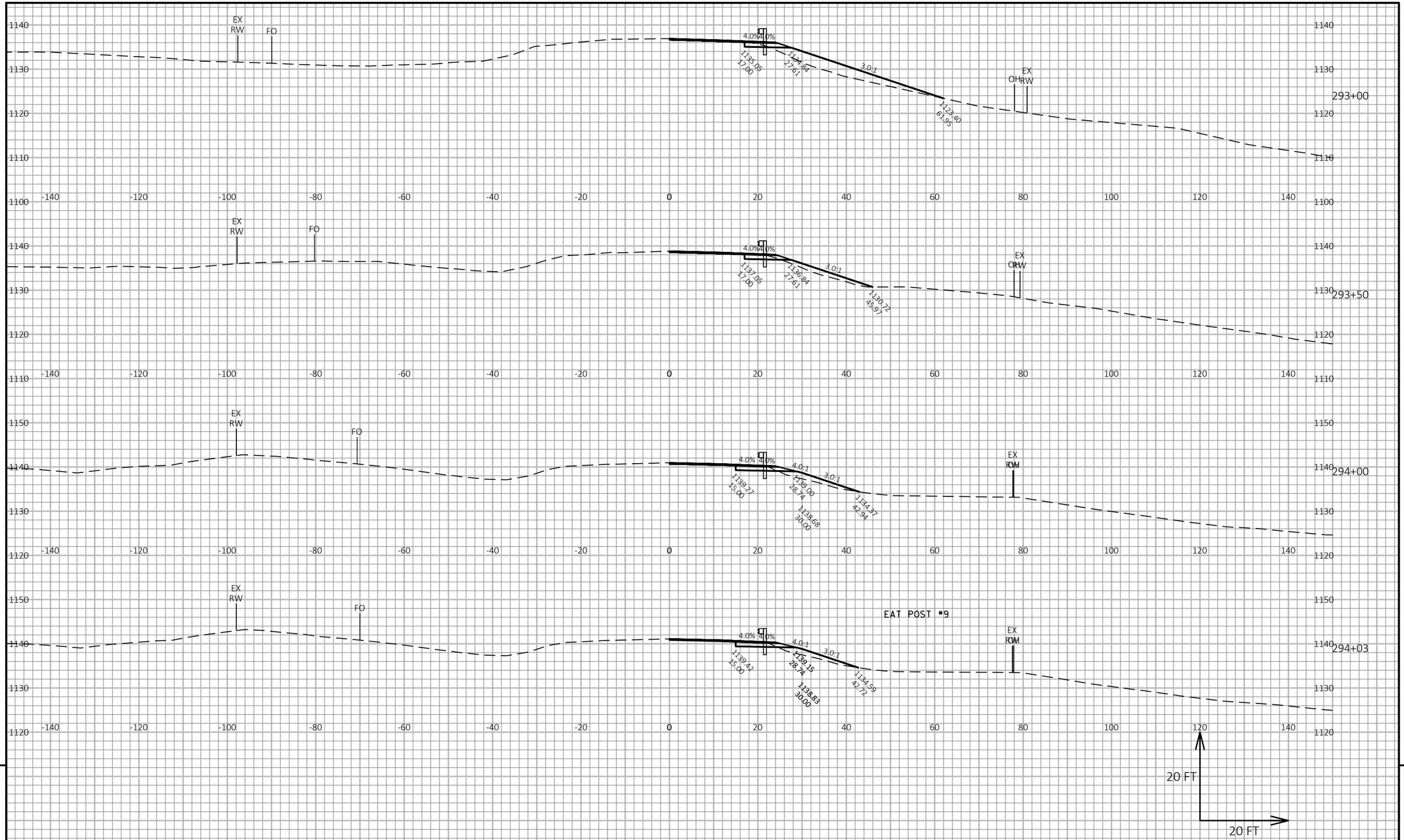
PLOT DATE : 7/3/2019 1:04 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

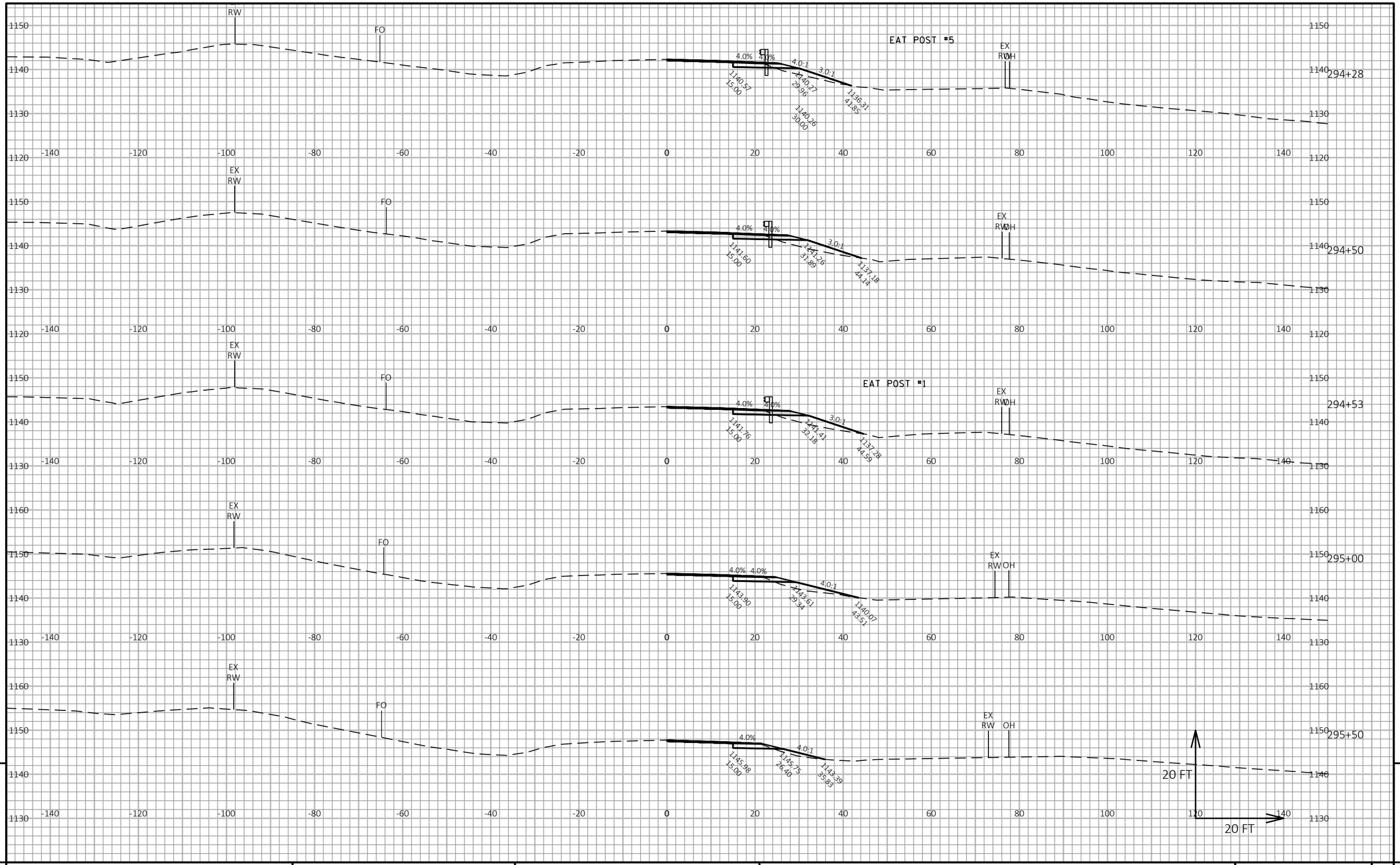


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_285-296.DWG
LAYOUT NAME - 16

PLOT DATE : 7/3/2019 1:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



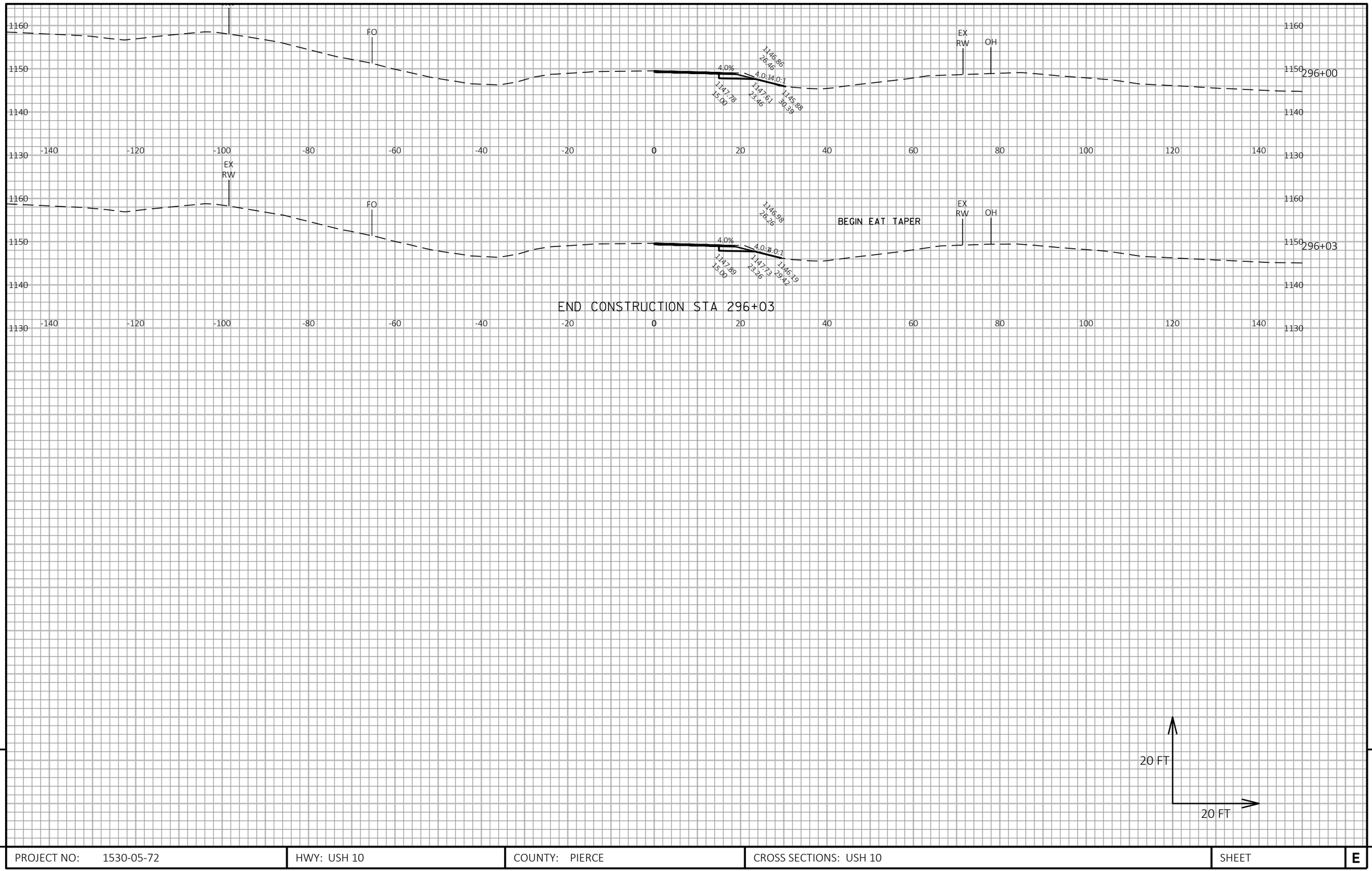
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_285-296.DWG
LAYOUT NAME - 17

PLOT DATE : 7/3/2019 1:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



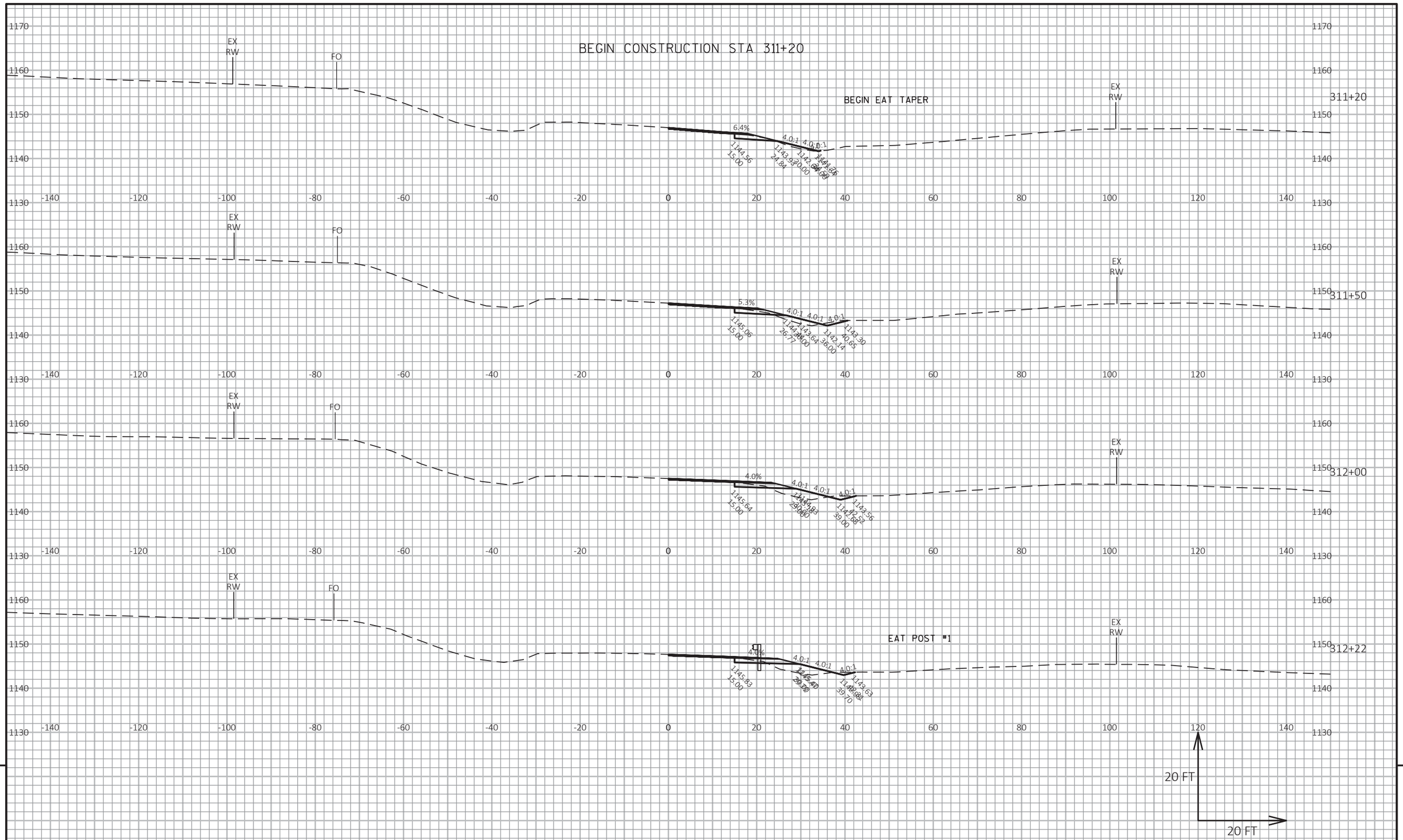
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_285-296.DWG
LAYOUT NAME - 18

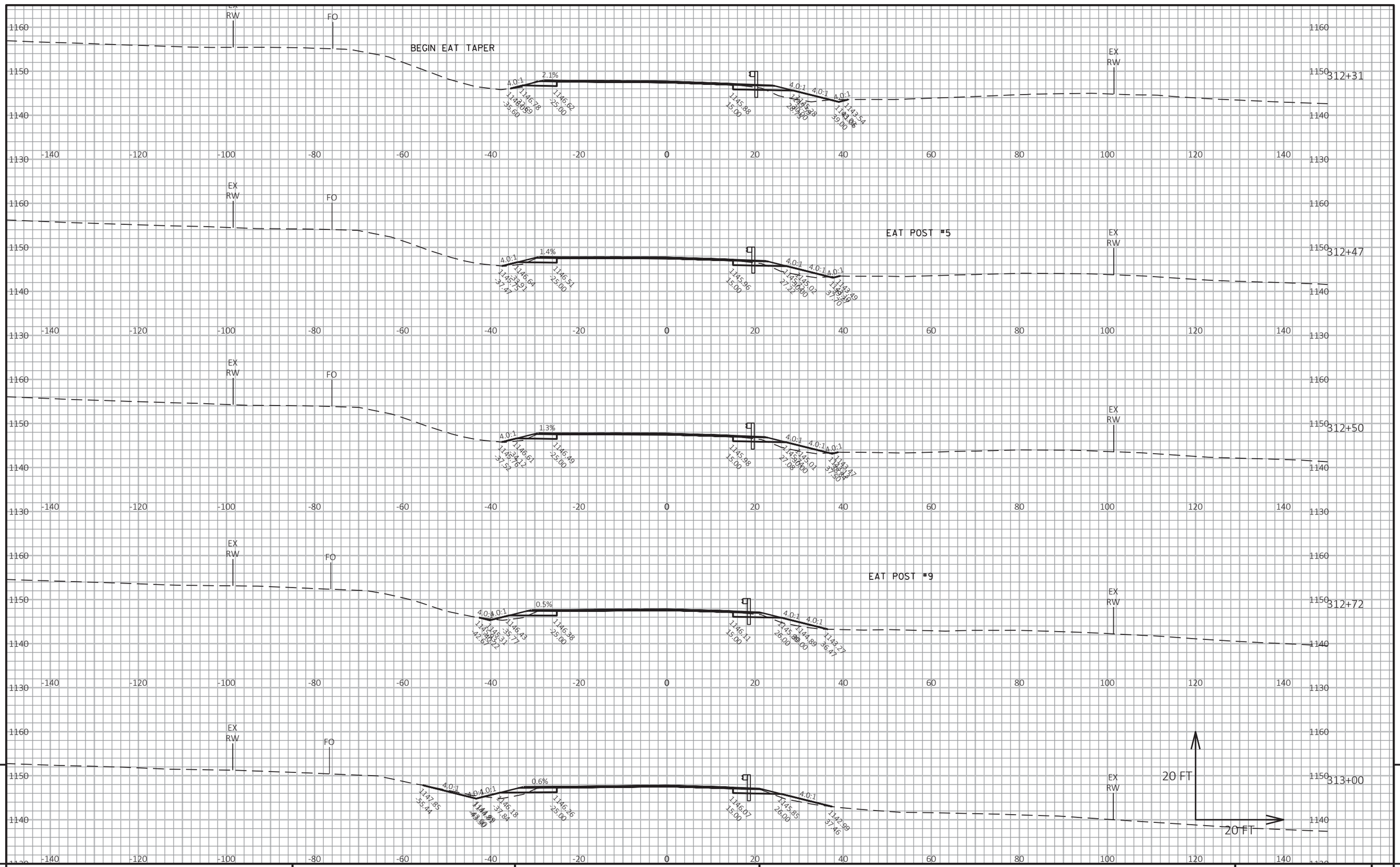
PLOT DATE : 7/3/2019 1:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_311-321.DWG
LAYOUT NAME - 10

PLOT DATE : 7/2/2019 1:51 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_311-321.DWG
LAYOUT NAME - 11

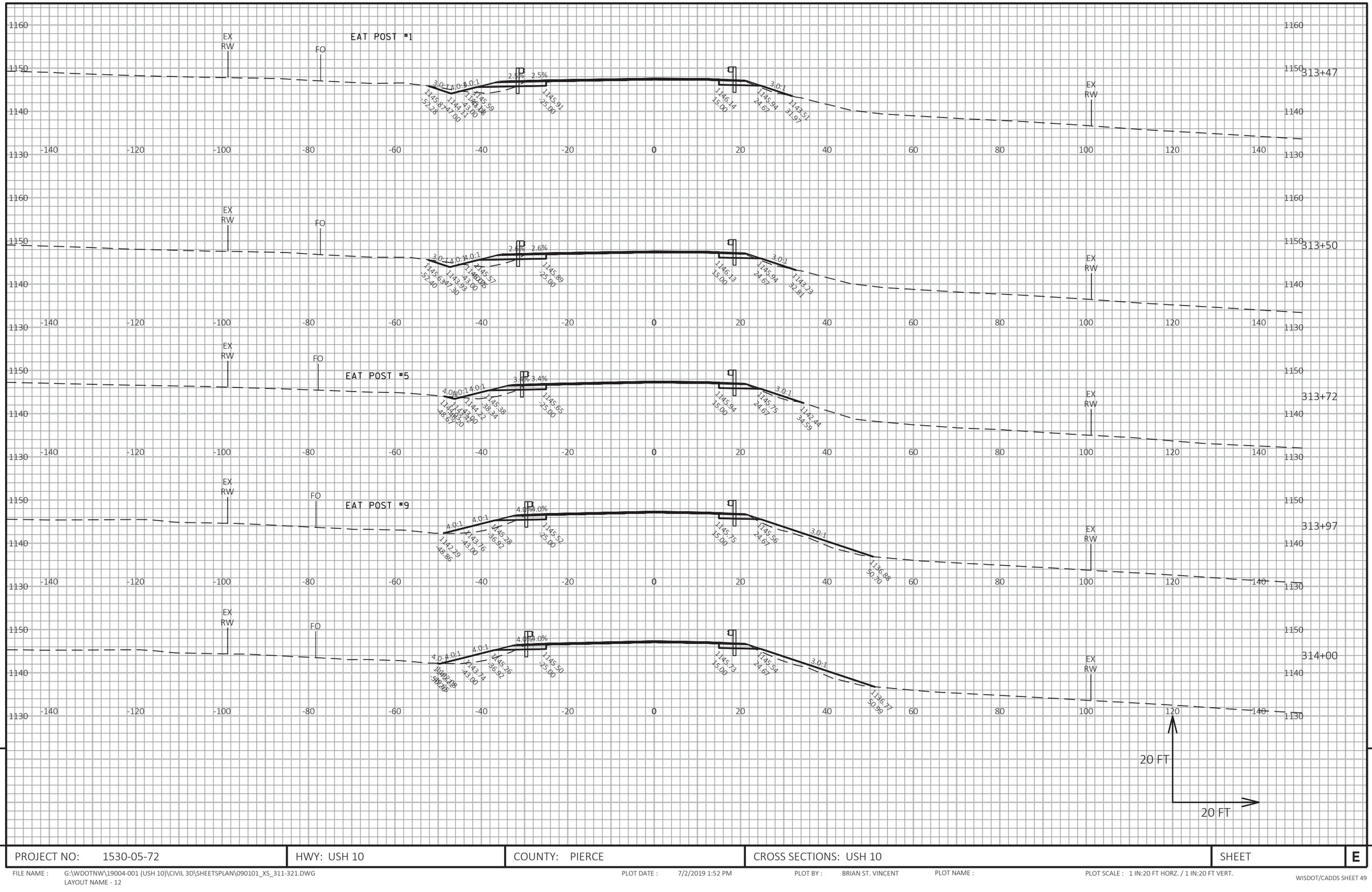
PLOT DATE : 7/2/2019 1:51 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

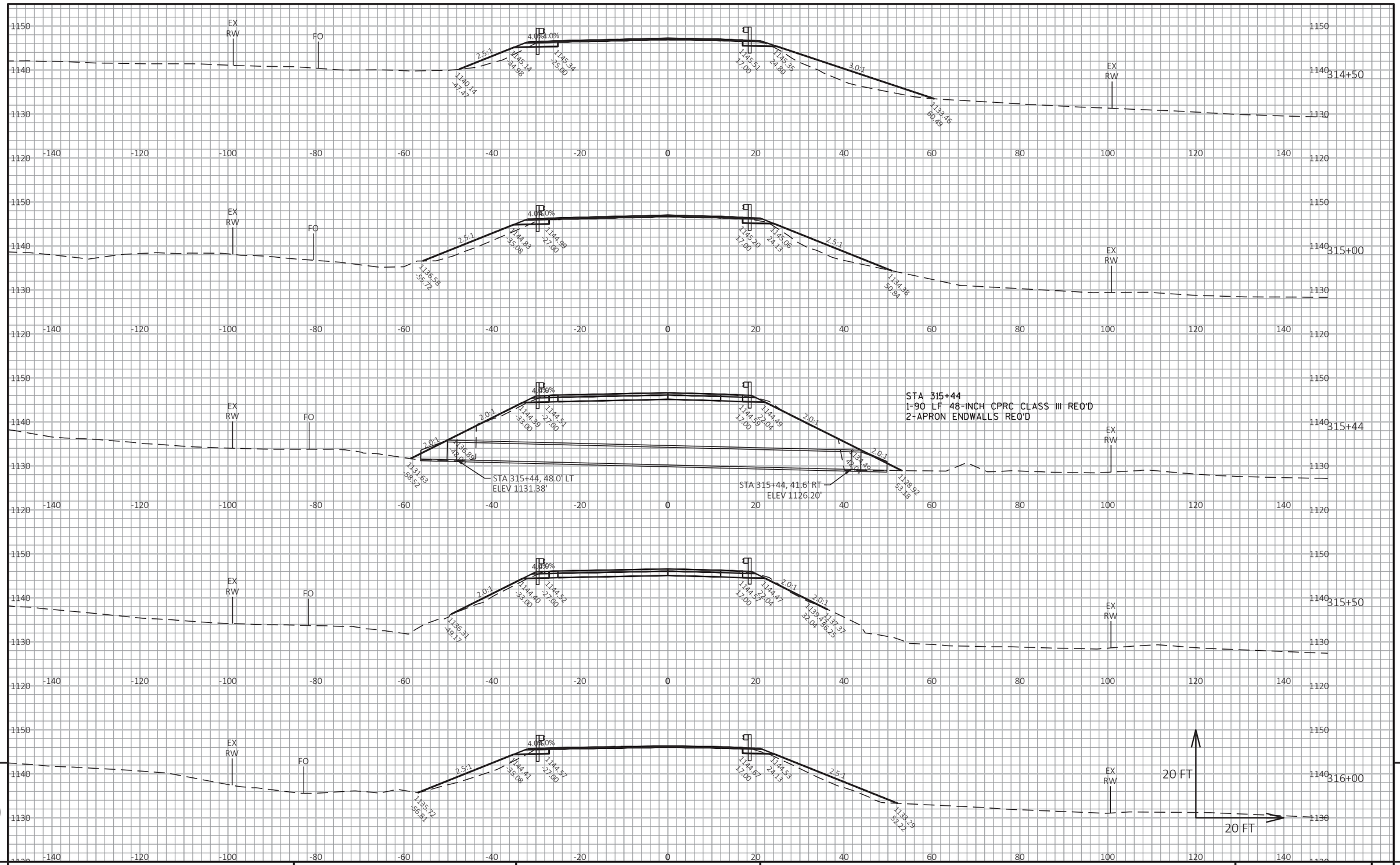
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_311-321.DWG
LAYOUT NAME - 12

PLOT DATE : 7/2/2019 1:52 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



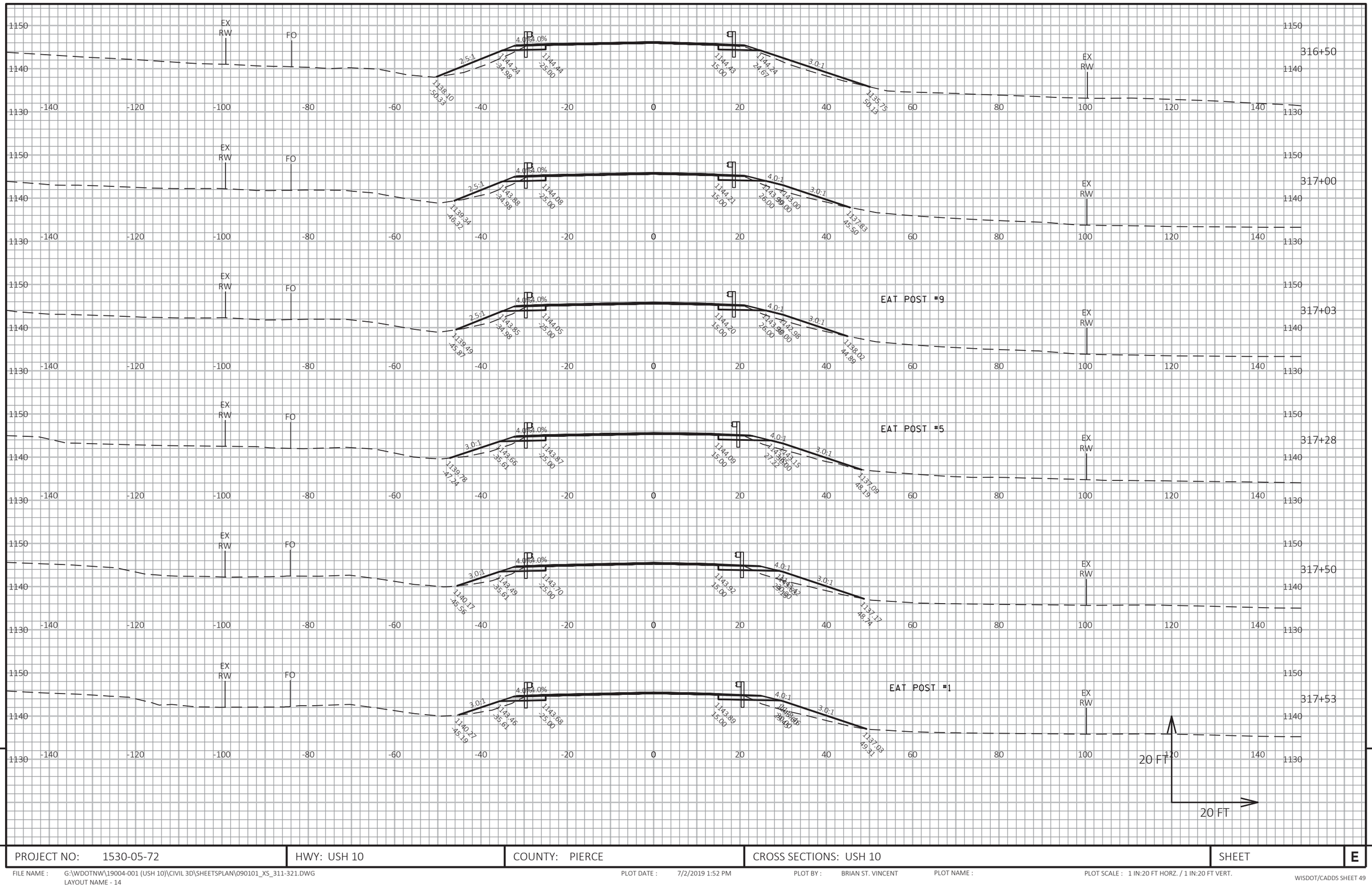
STA 315+44
1-90 LF 48-INCH CPRC CLASS III REQ'D
2-APRON ENDWALLS REQ'D

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_311-321.DWG
LAYOUT NAME - 13

PLOT DATE : 7/2/2019 1:52 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

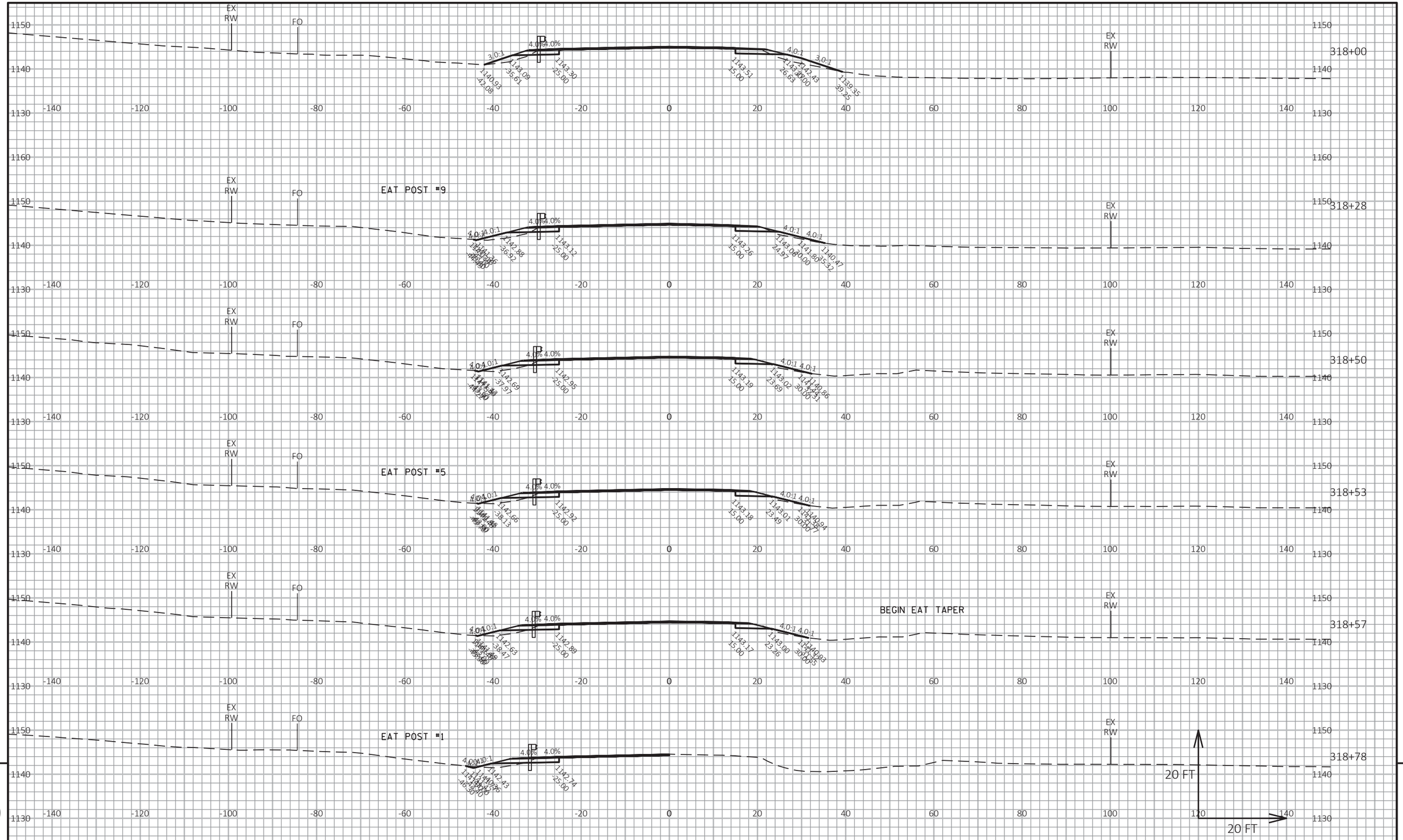
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_311-321.DWG
LAYOUT NAME - 14

PLOT DATE : 7/2/2019 1:52 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

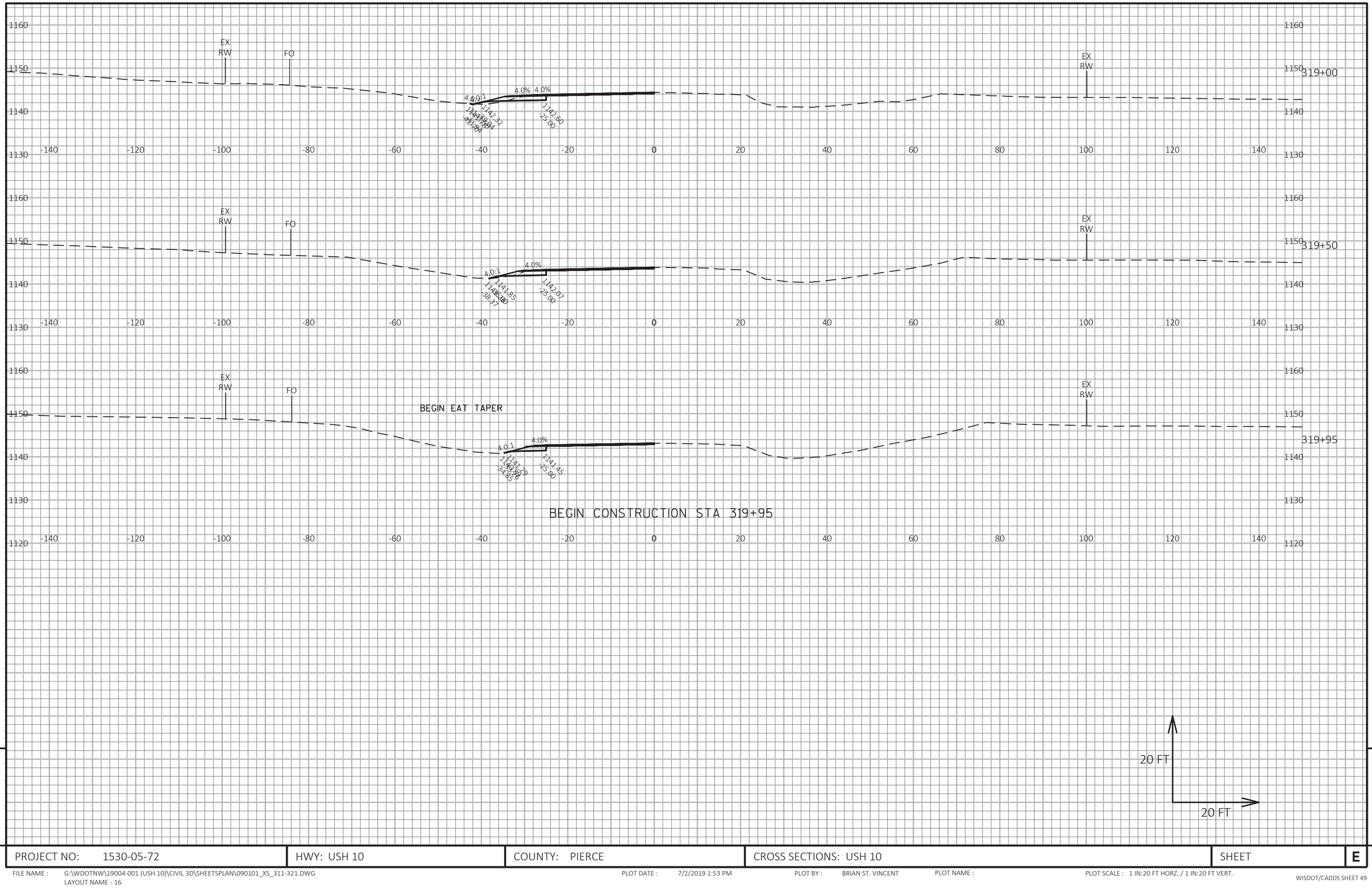
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_311-321.DWG
LAYOUT NAME - 15

PLOT DATE : 7/2/2019 1:53 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_311-321.DWG
LAYOUT NAME - 16

PLOT DATE : 7/2/2019 1:53 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION STA 344+30

BEGIN EAT TAPER

344+30

EX RW

4.0%

4.0:1

4.0:1

1083.73
15.00

1083.56
23.26

1081.88
30.00

1079.05
41.31

344+50

4.0%

4.0:1

3.0:1

1083.22
15.00

1083.03
24.49

1081.65
30.00

1079.63
36.08

345+00

4.0%4.0%

4.0:1

3.0:1

1081.92
15.00

1081.67
27.54

1081.05
30.00

1076.83
42.67

20 FT

20 FT

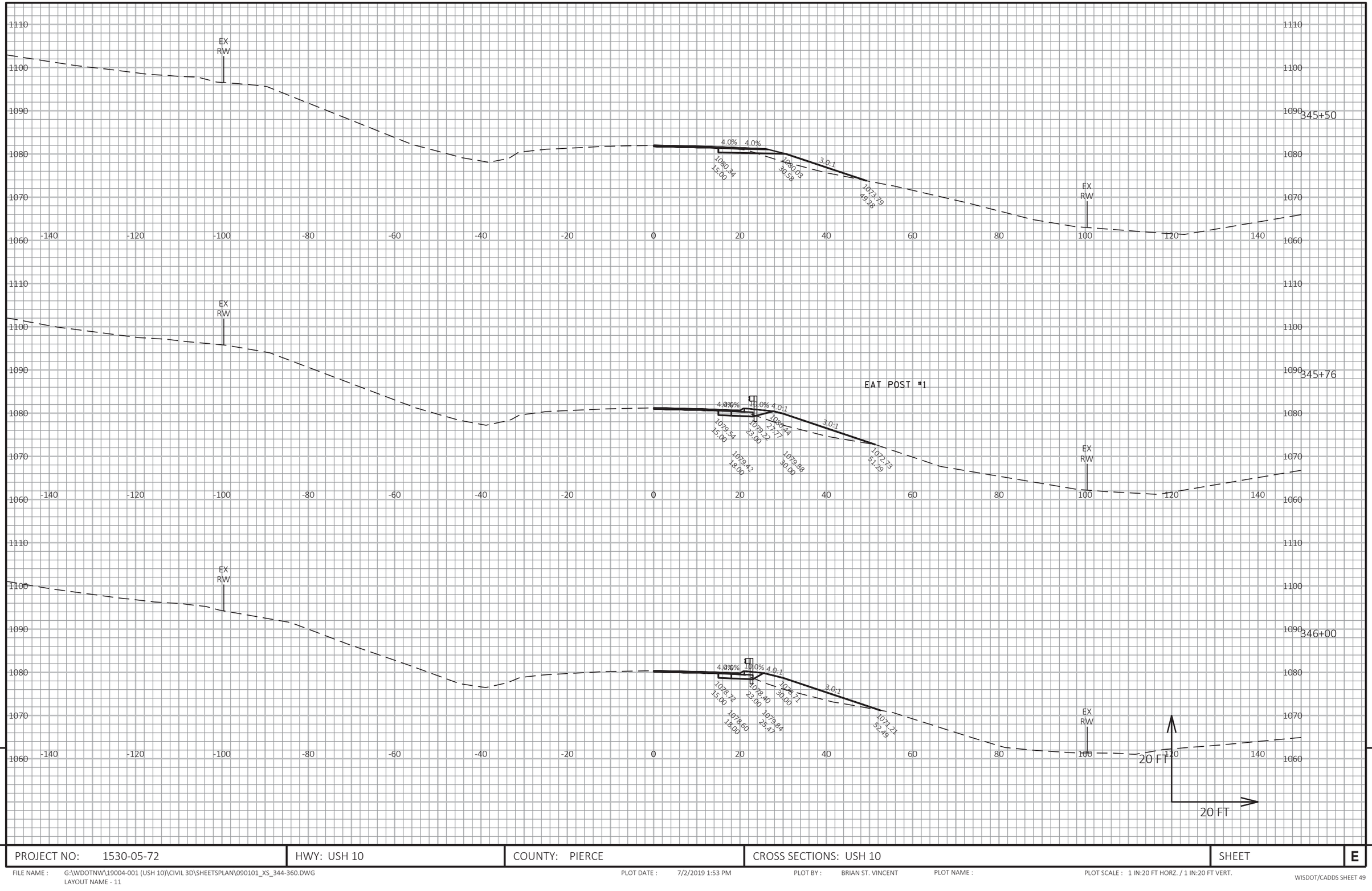
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 10

PLOT DATE : 7/2/2019 1:53 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 11

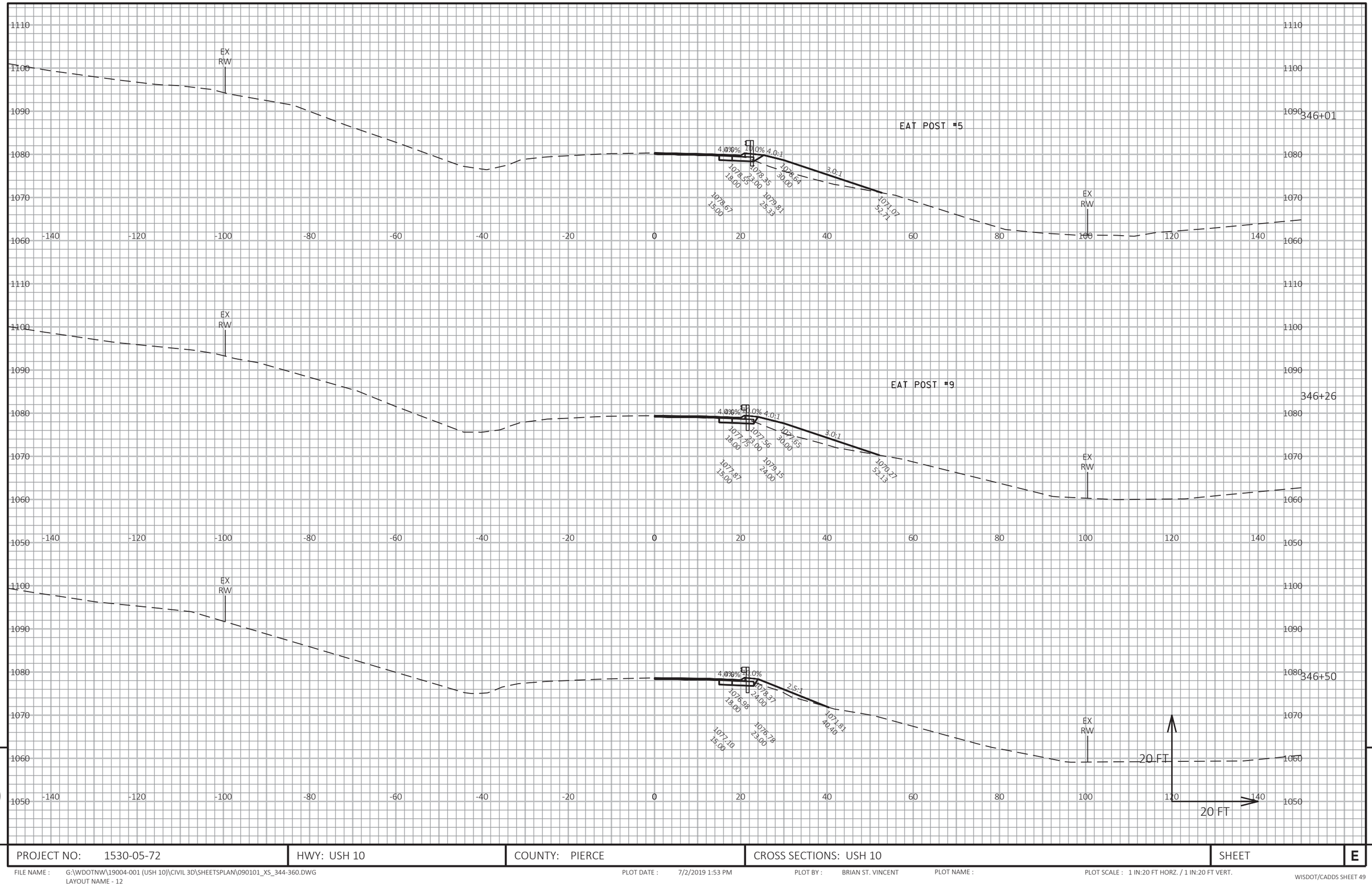
PLOT DATE : 7/2/2019 1:53 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



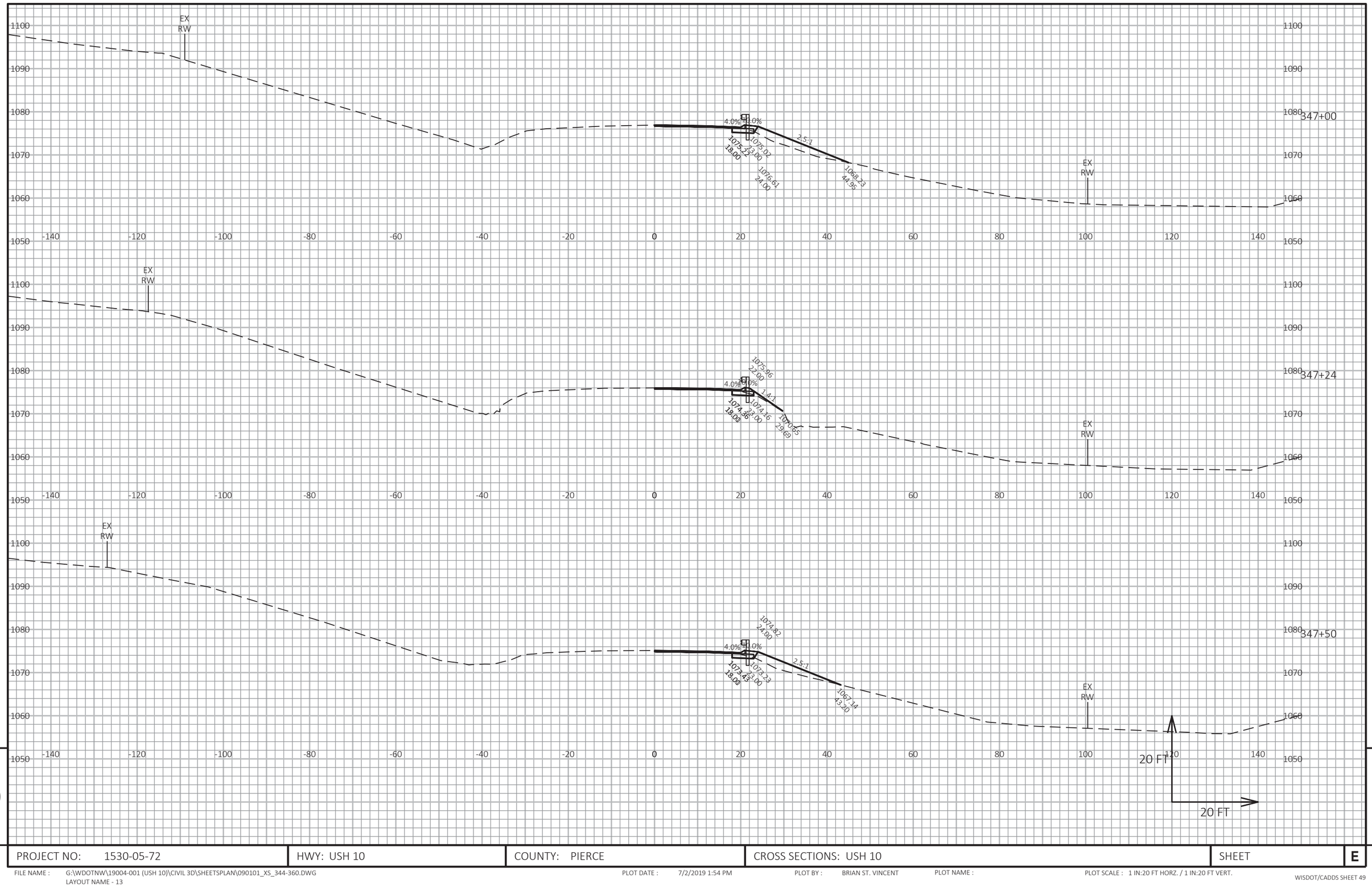
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 12

PLOT DATE : 7/2/2019 1:53 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



9

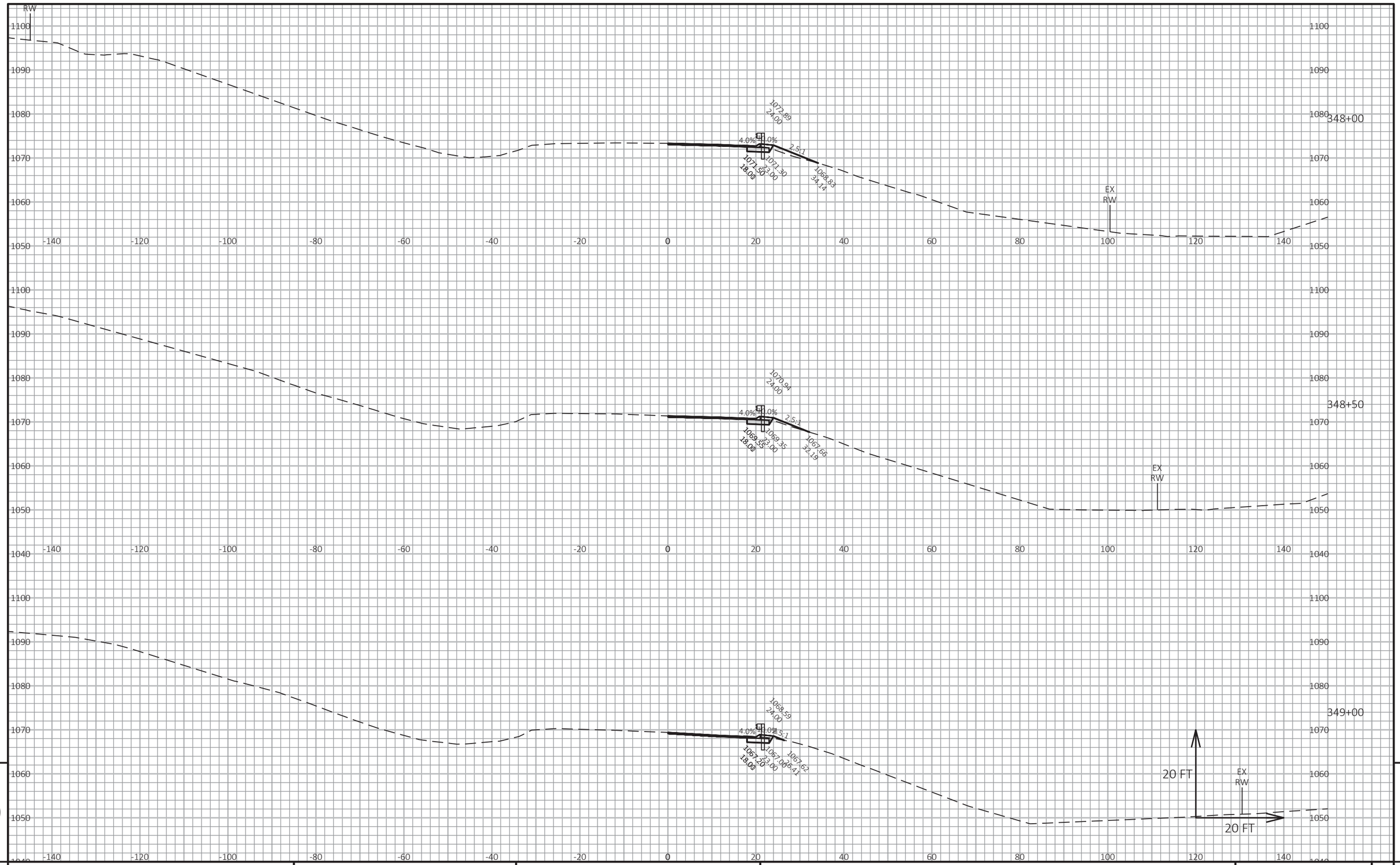
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 13

PLOT DATE : 7/2/2019 1:54 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



9

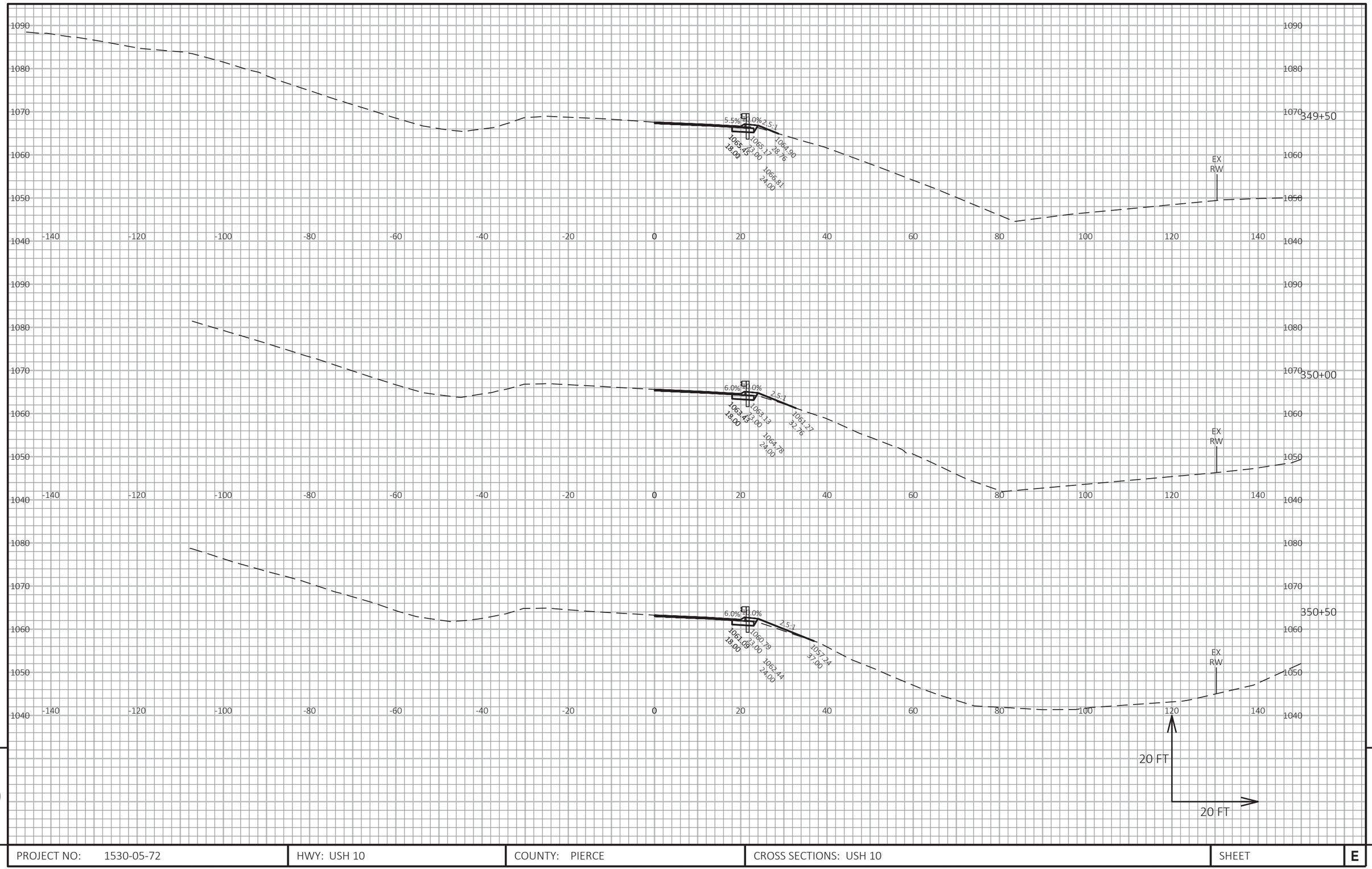
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 14

PLOT DATE : 7/2/2019 1:54 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 15

PLOT DATE : 7/2/2019 1:54 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

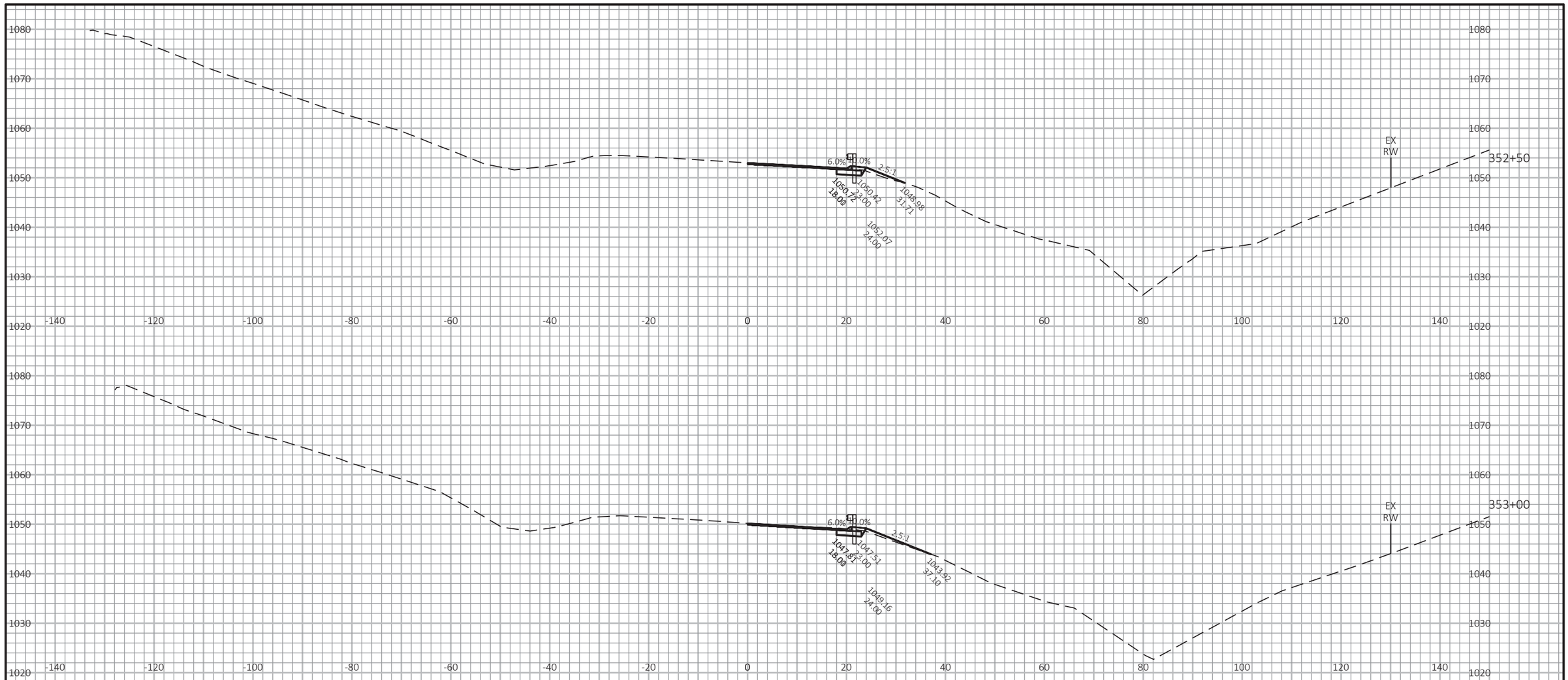
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 16

PLOT DATE : 7/2/2019 1:55 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

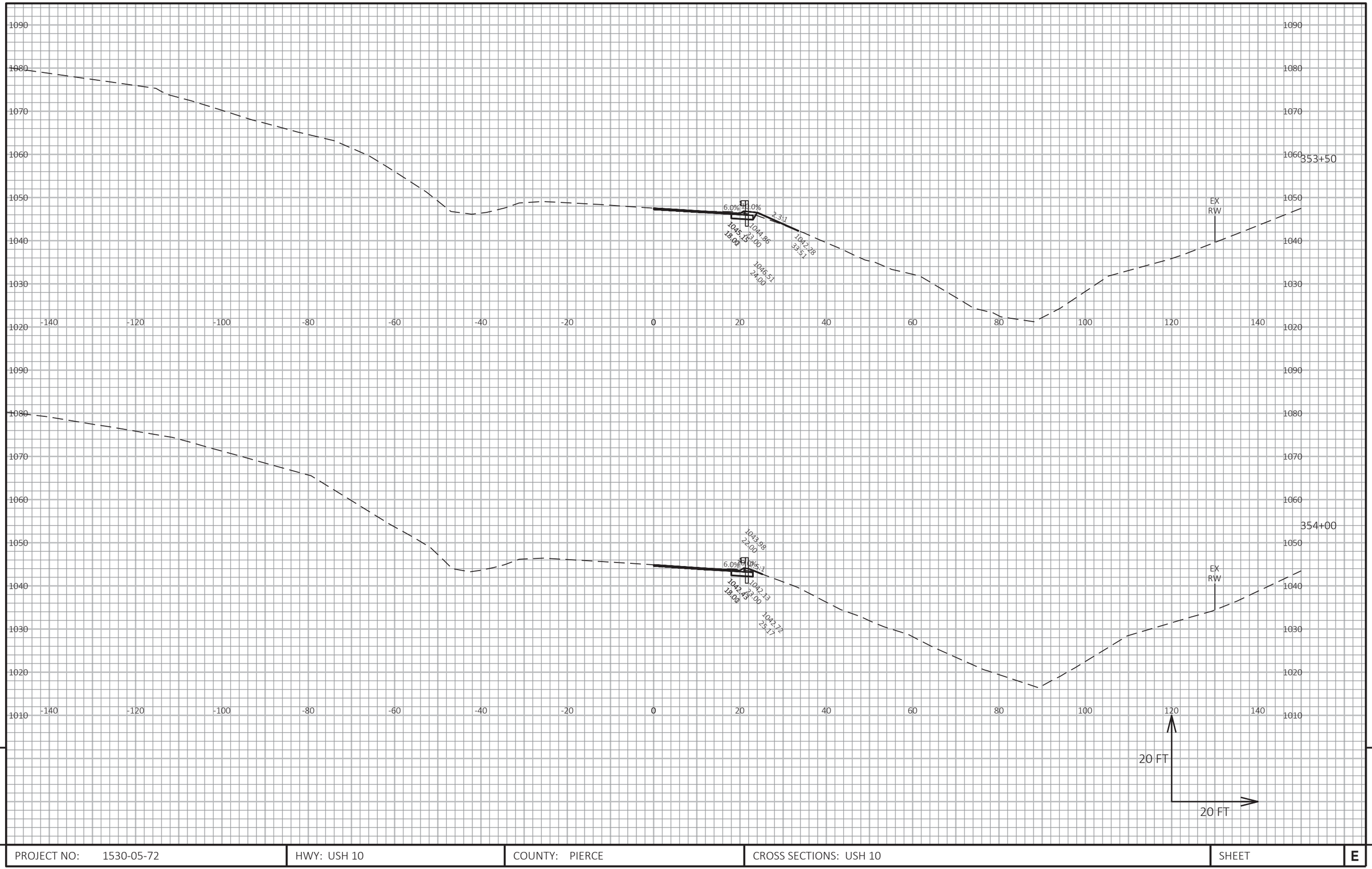
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 17

PLOT DATE : 7/2/2019 1:55 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



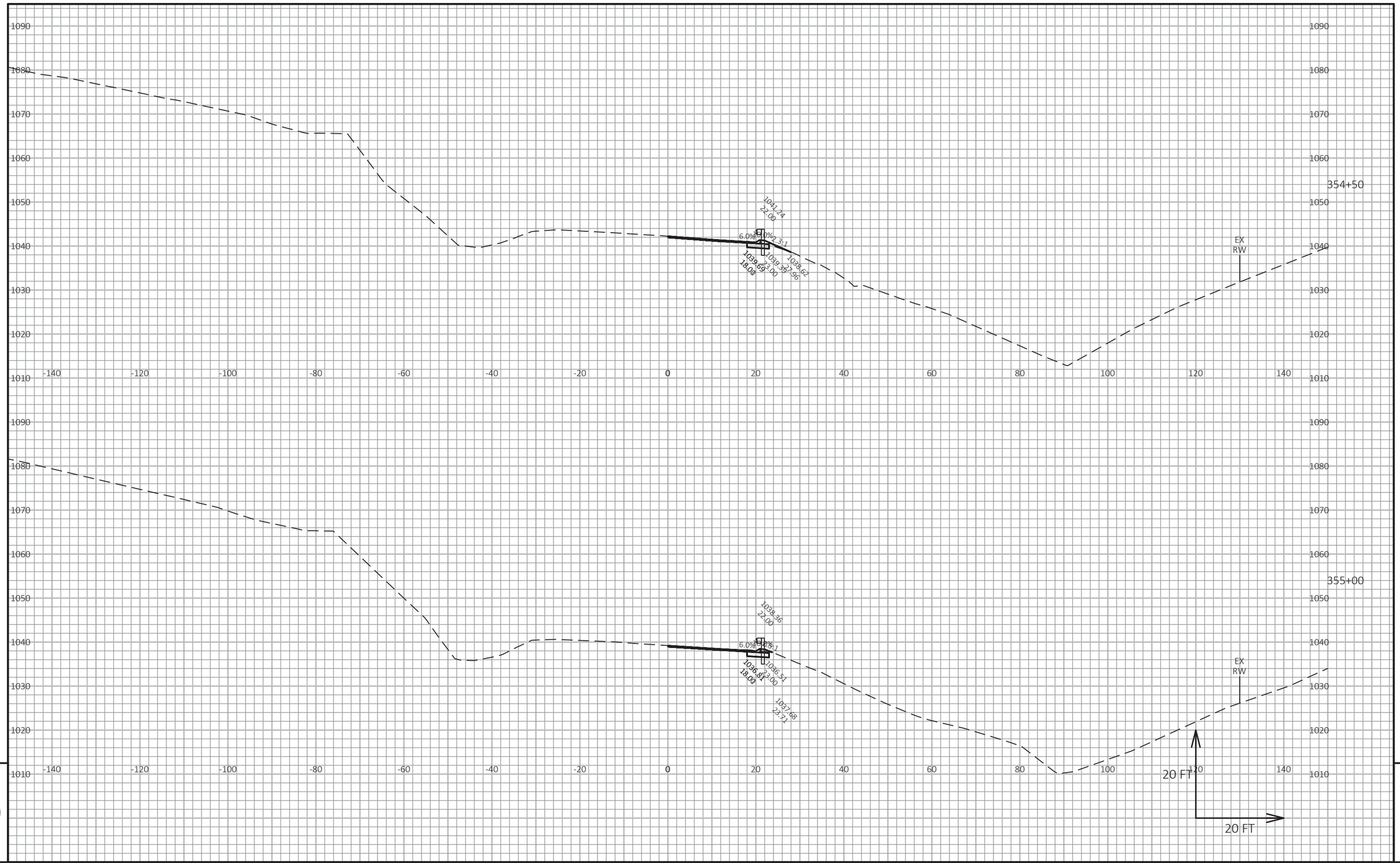
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 18

PLOT DATE : 7/2/2019 1:55 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

9

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 19

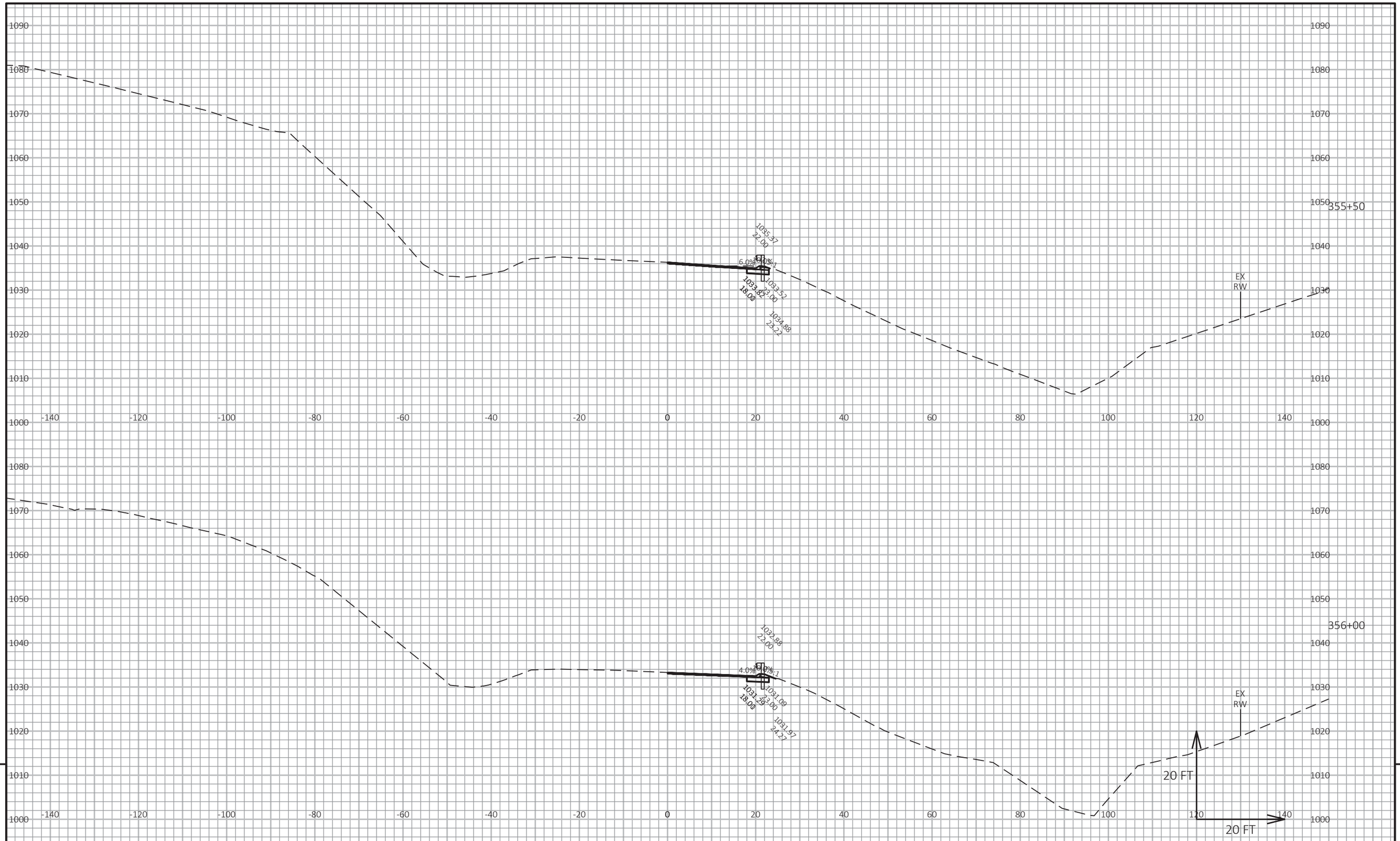
PLOT DATE : 7/2/2019 1:56 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

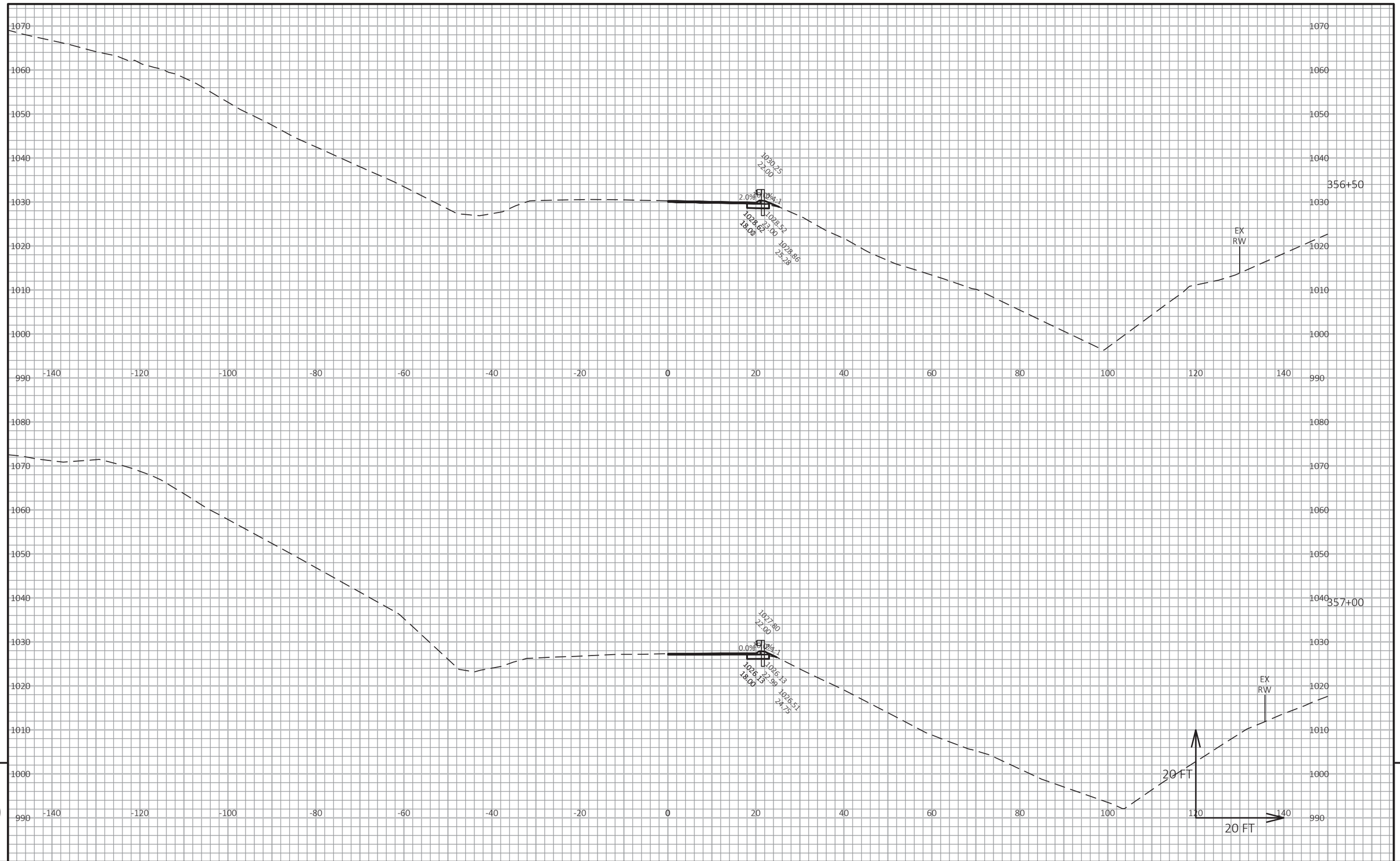
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 20

PLOT DATE : 7/2/2019 1:56 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

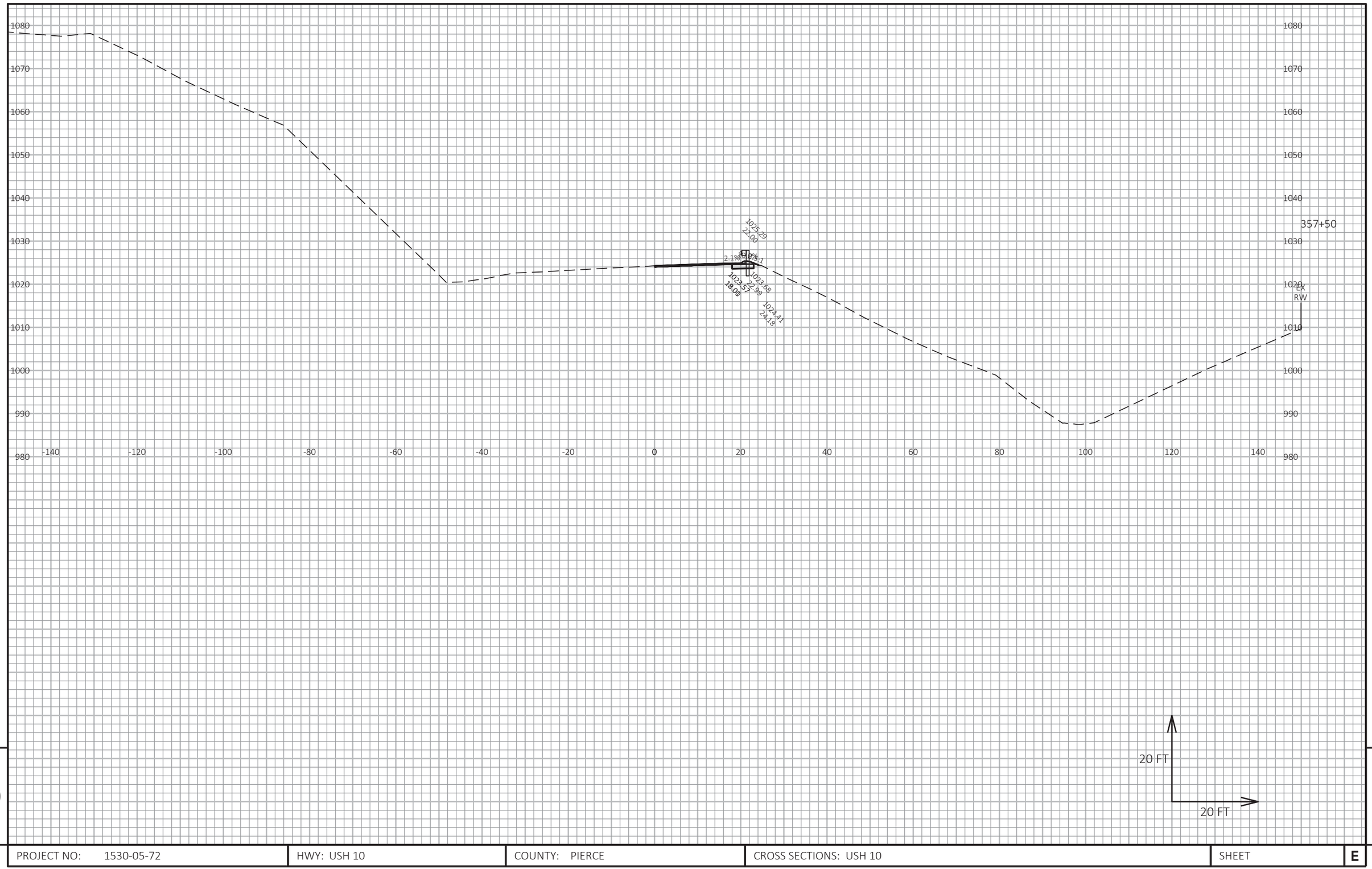
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 21

PLOT DATE : 7/2/2019 1:57 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



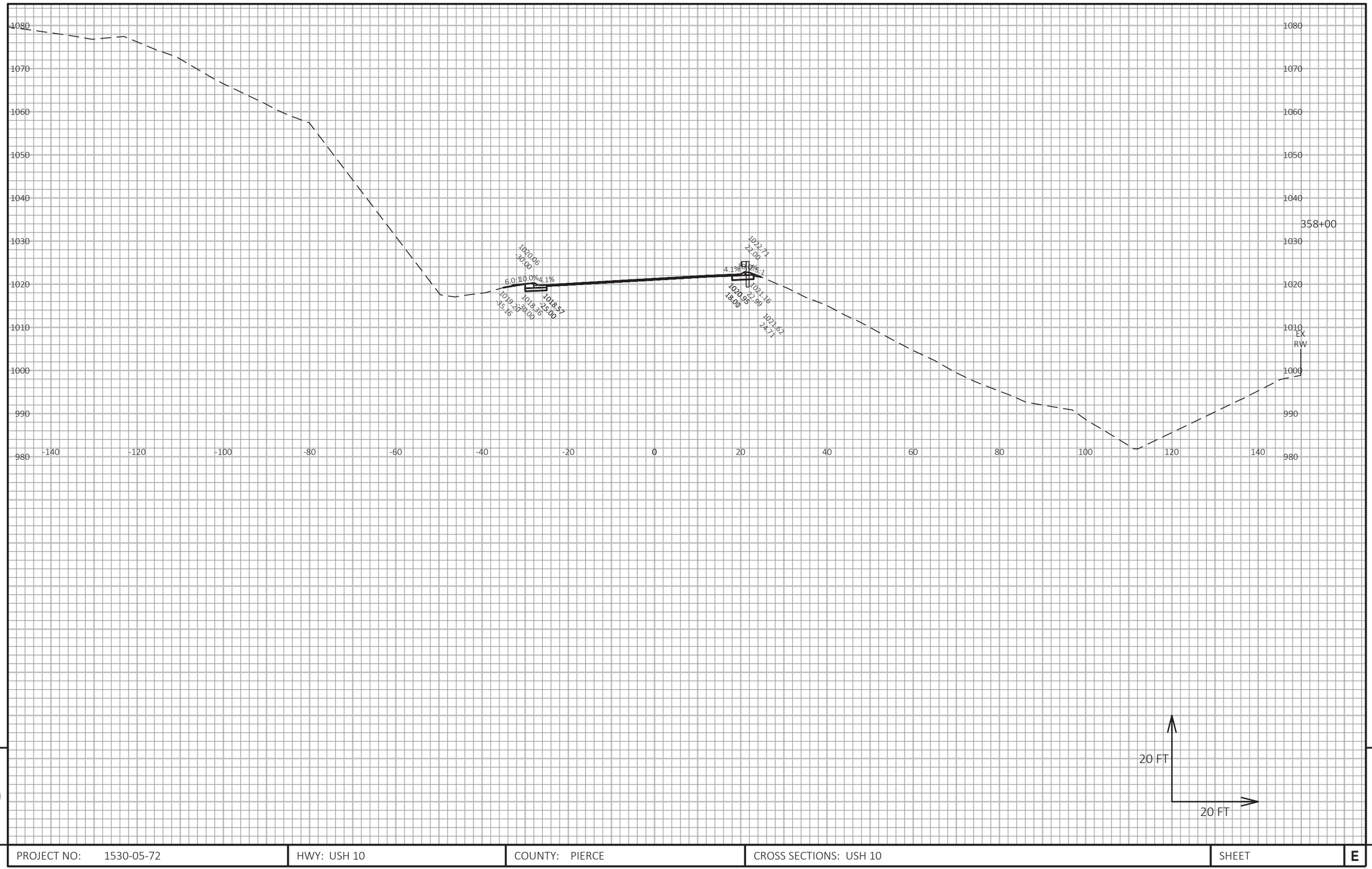
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 22

PLOT DATE : 7/2/2019 1:57 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



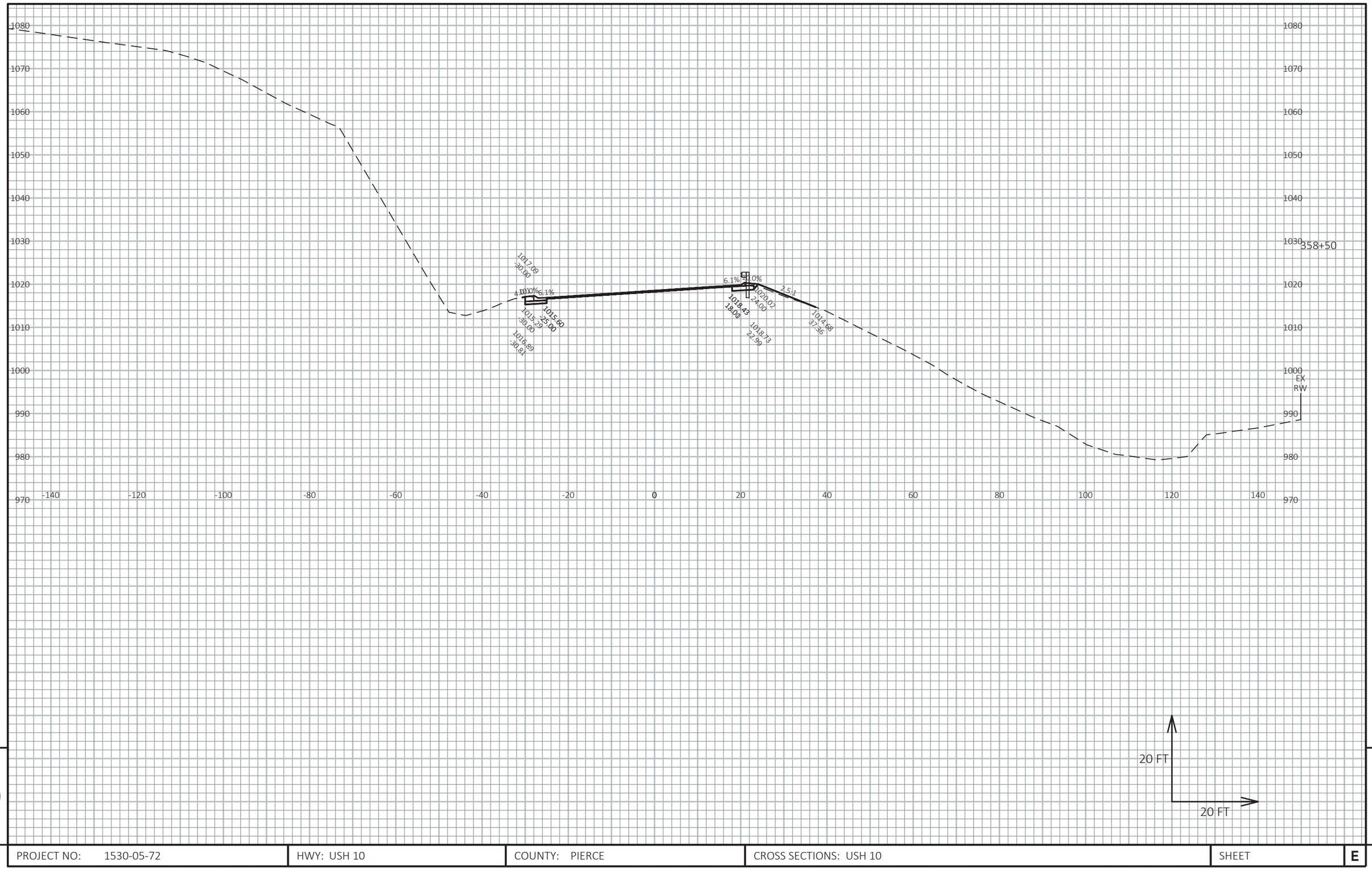
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 23

PLOT DATE : 7/2/2019 1:57 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



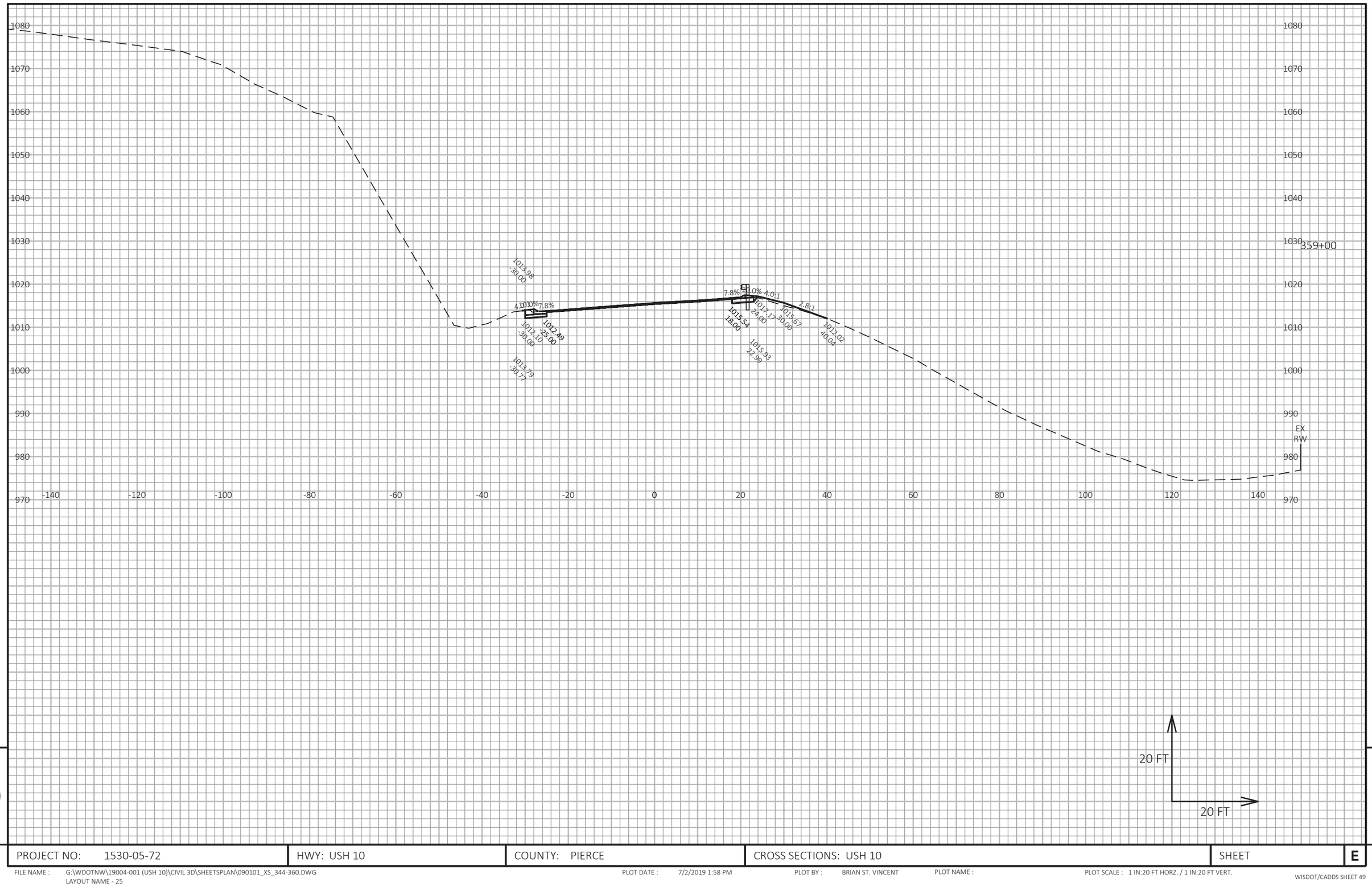
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 24

PLOT DATE : 7/2/2019 1:58 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



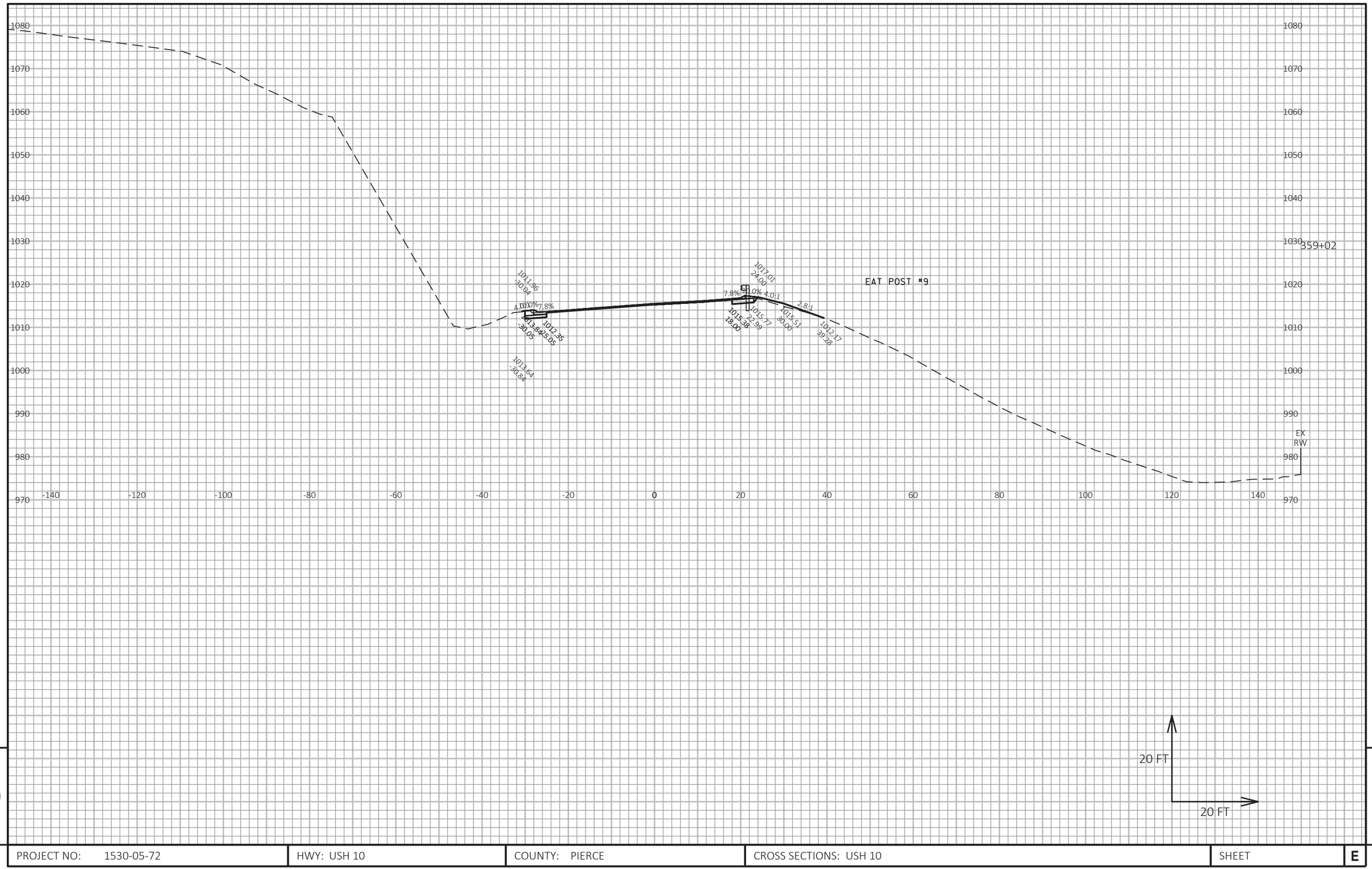
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 25

PLOT DATE : 7/2/2019 1:58 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



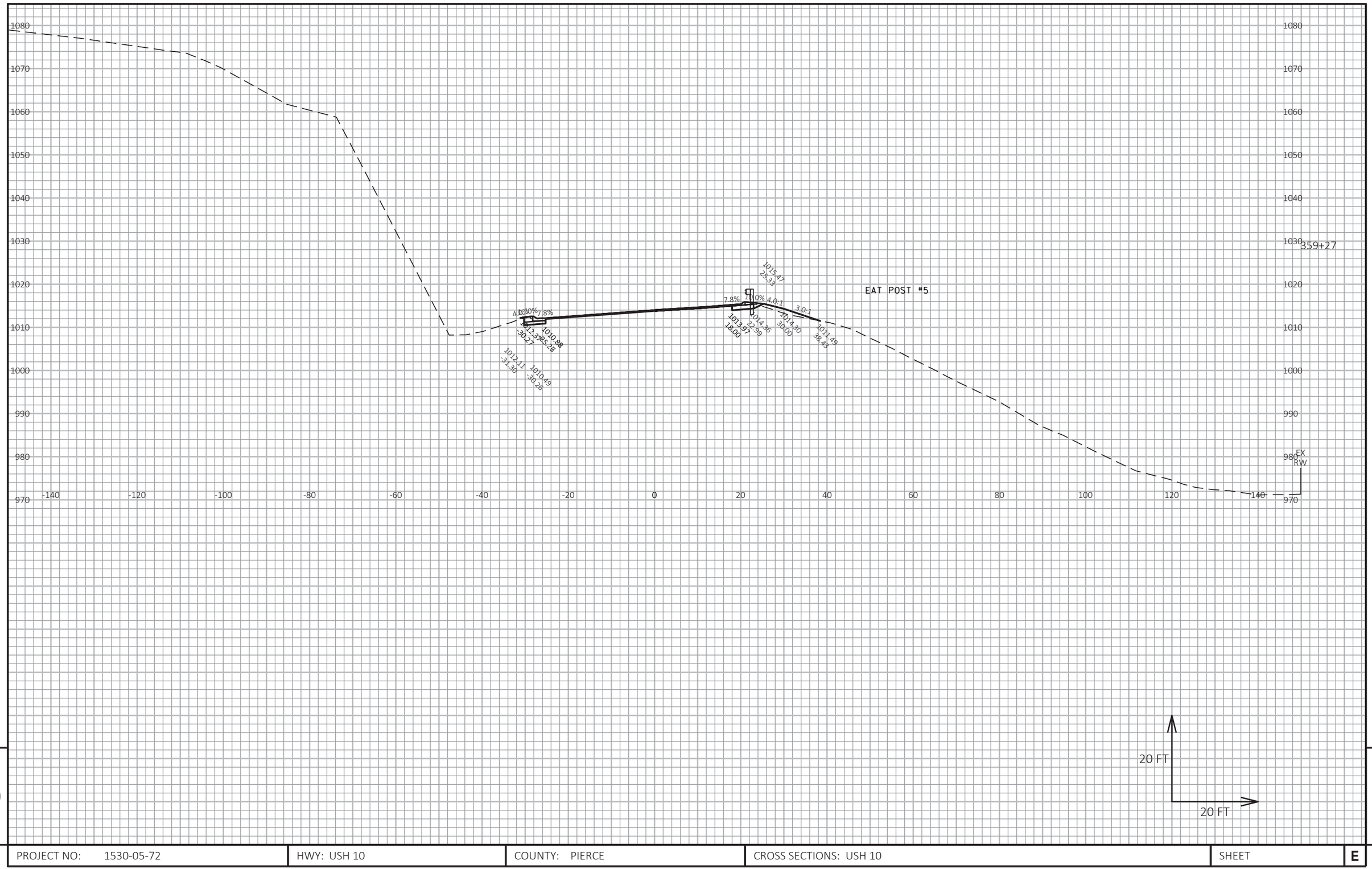
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 26

PLOT DATE : 7/2/2019 1:58 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



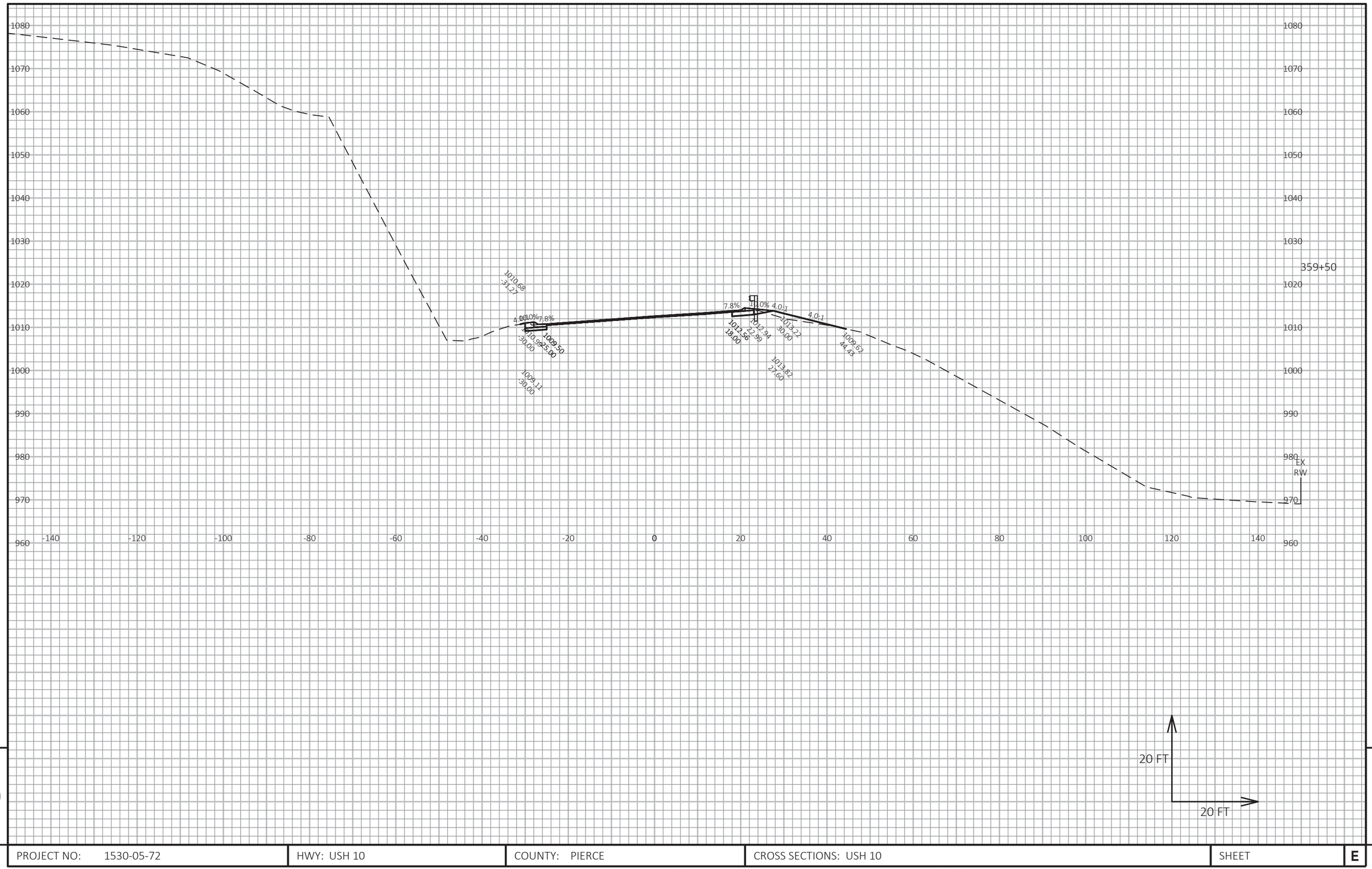
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 27

PLOT DATE : 7/2/2019 1:59 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



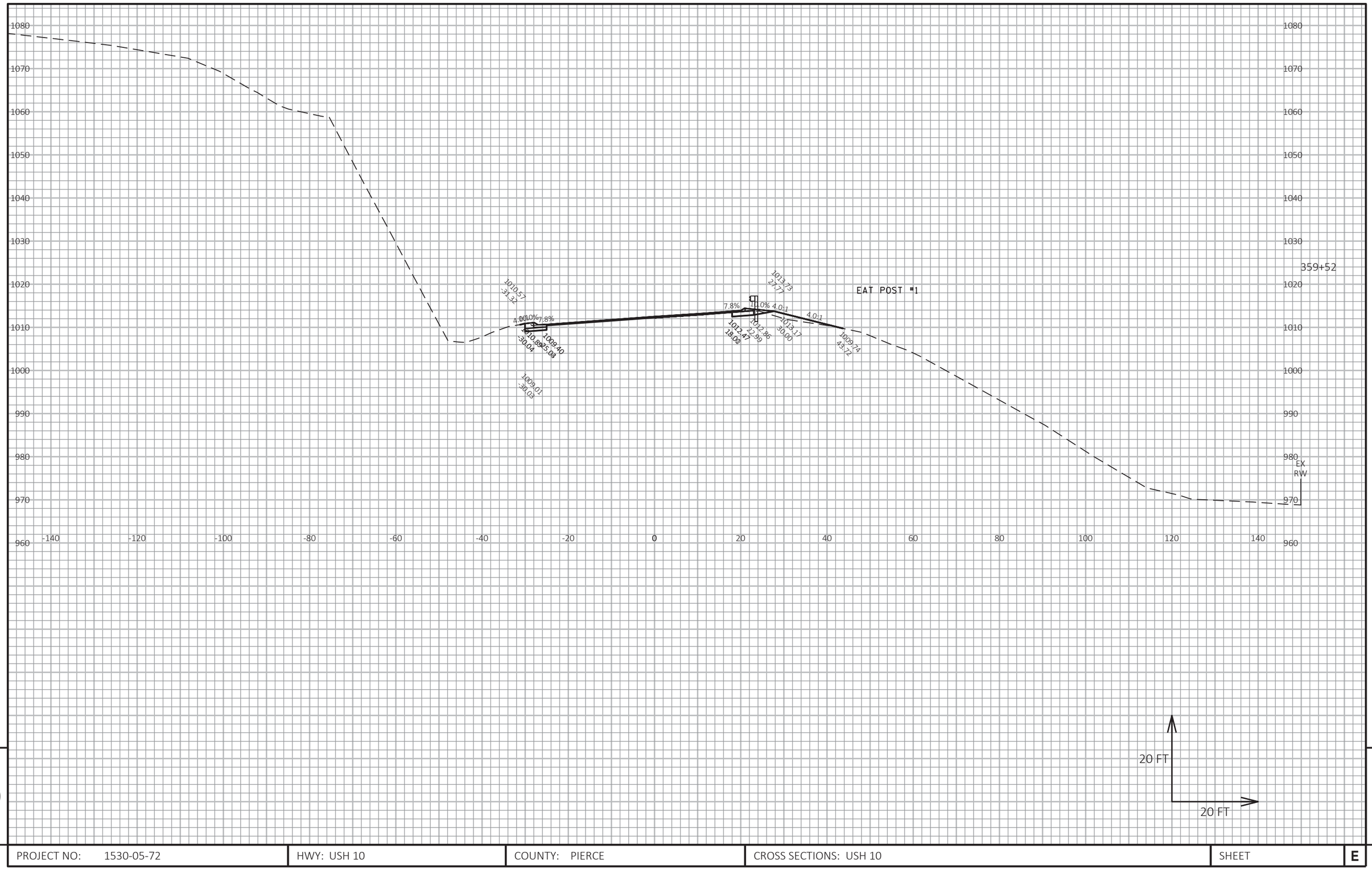
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 28

PLOT DATE : 7/2/2019 1:59 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



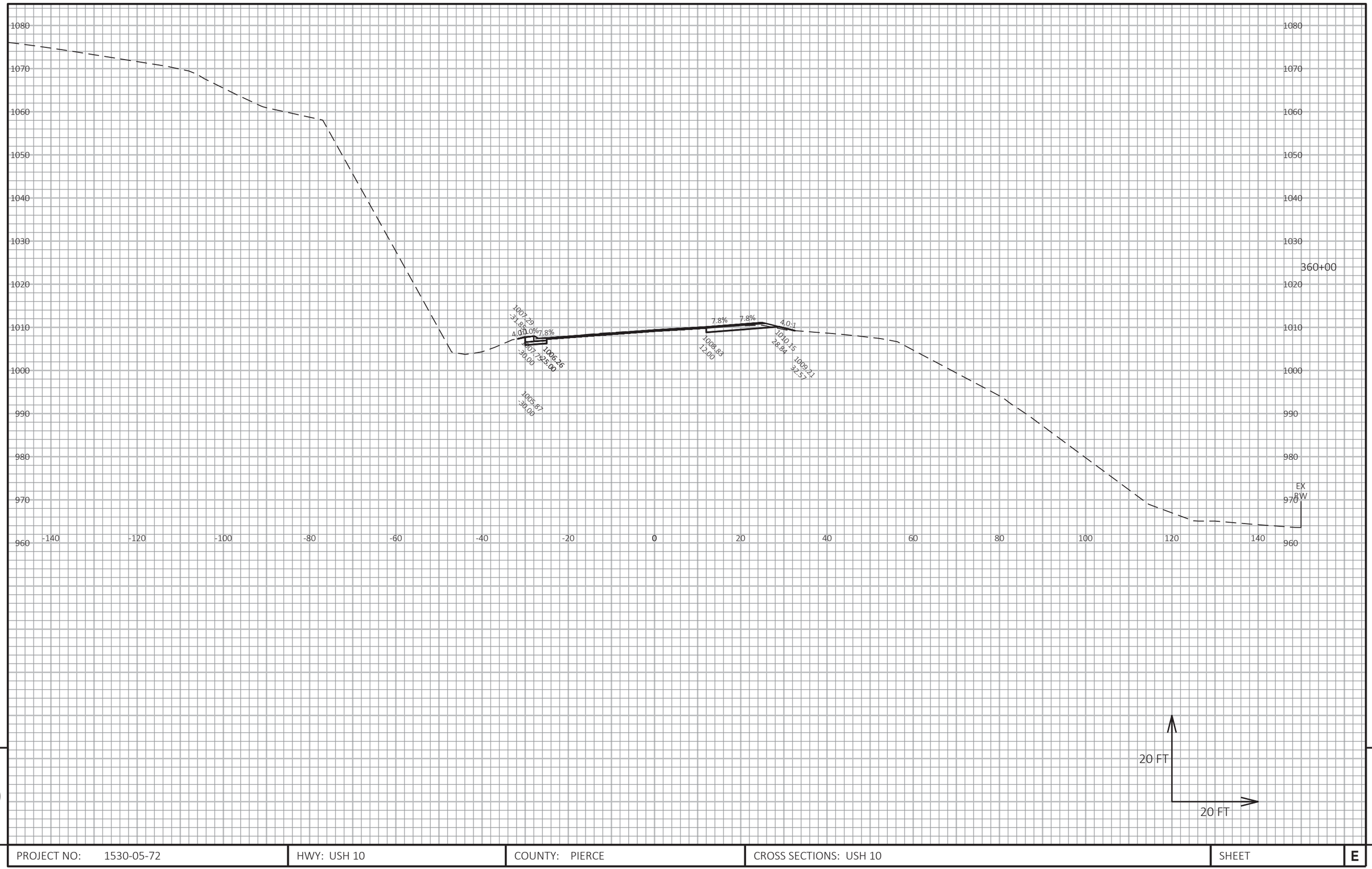
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

9

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 29

PLOT DATE : 7/2/2019 2:00 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



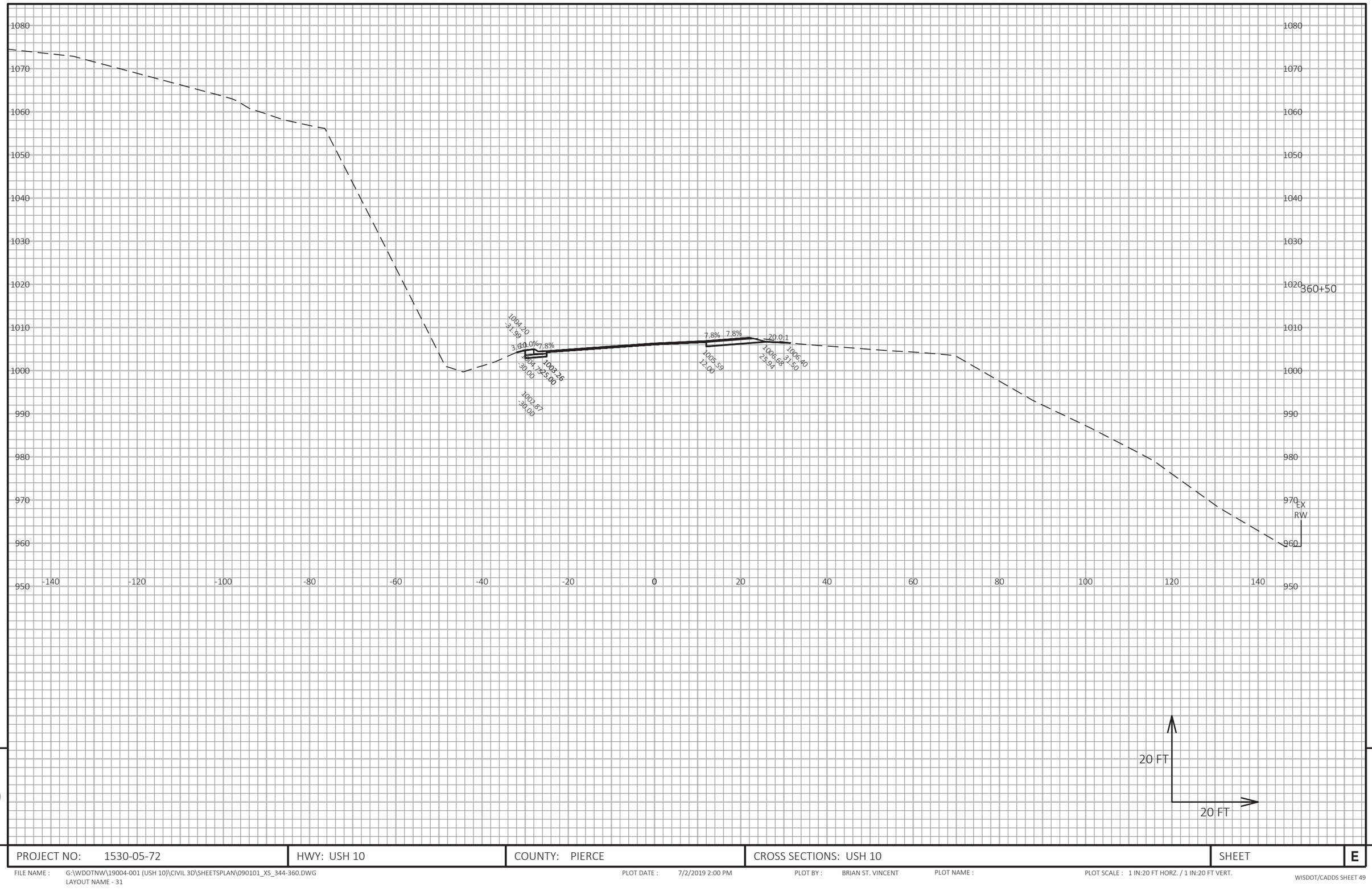
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 30

PLOT DATE : 7/2/2019 2:00 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

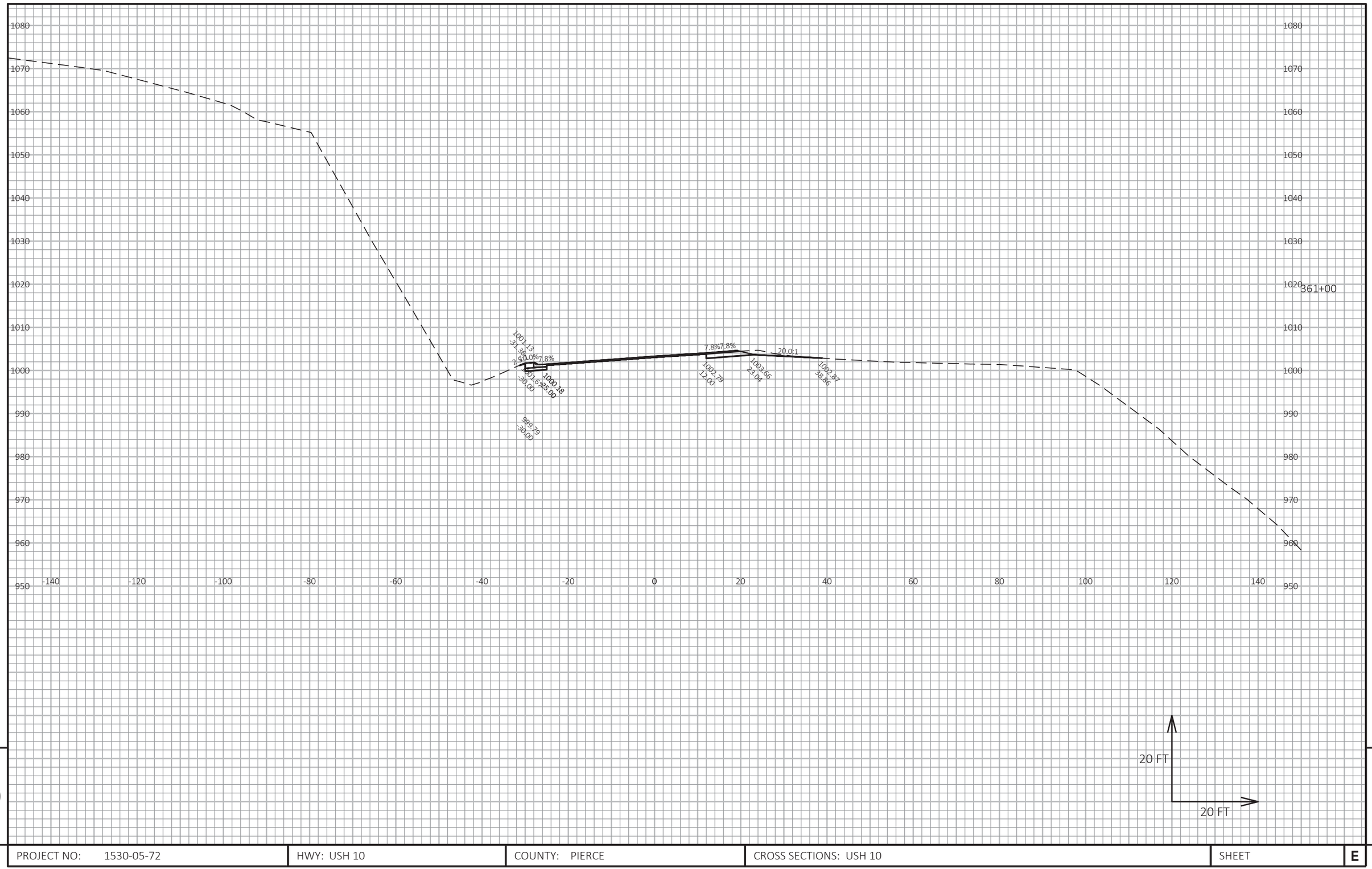
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 31

PLOT DATE : 7/2/2019 2:00 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

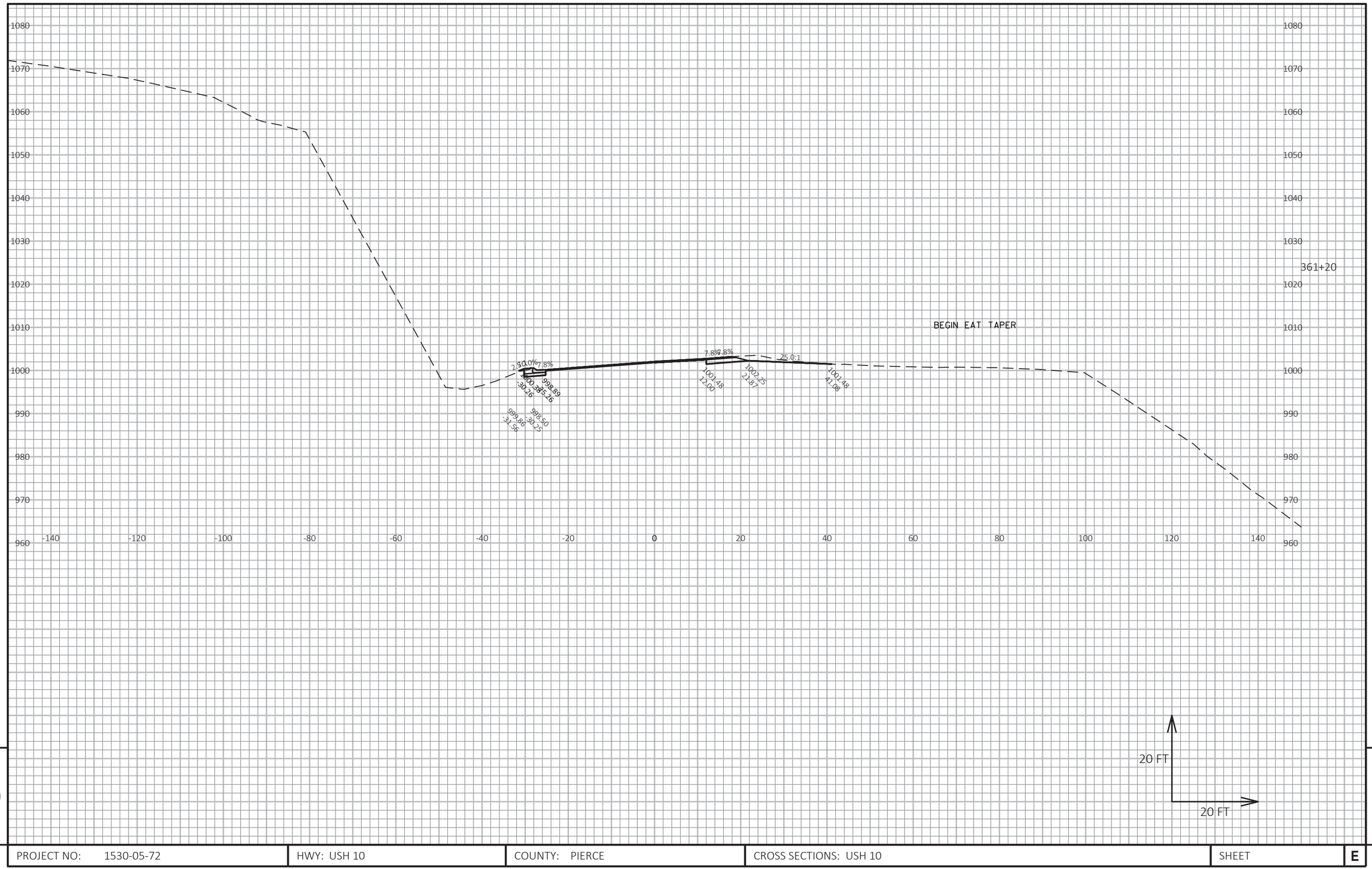
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 32

PLOT DATE : 7/2/2019 2:01 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

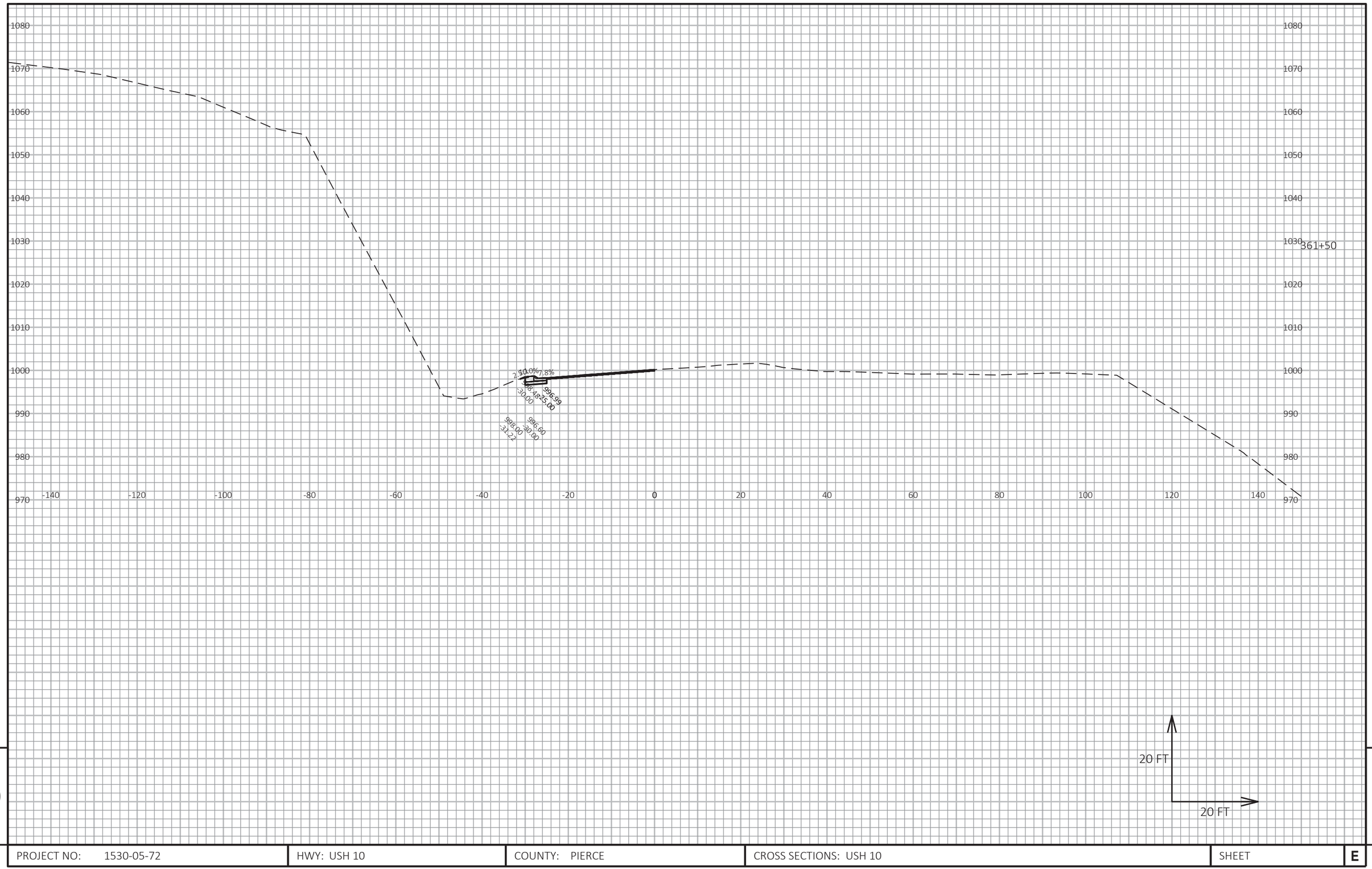


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 33

PLOT DATE : 7/2/2019 2:01 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

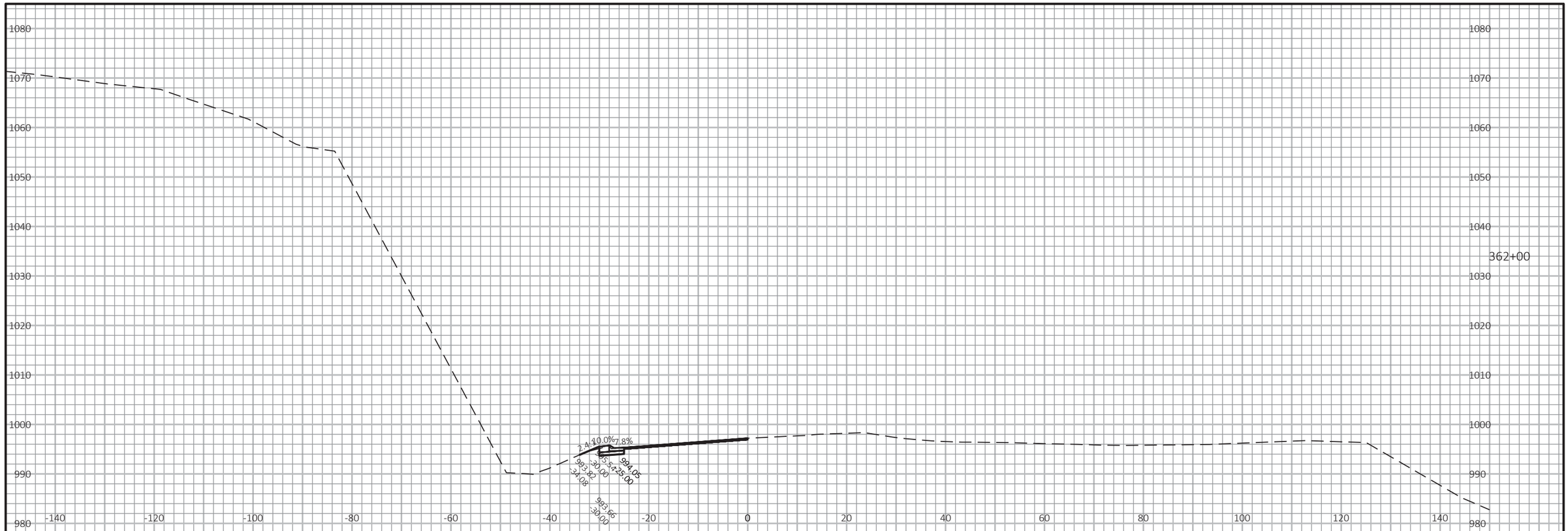
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 34

PLOT DATE : 7/2/2019 2:01 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



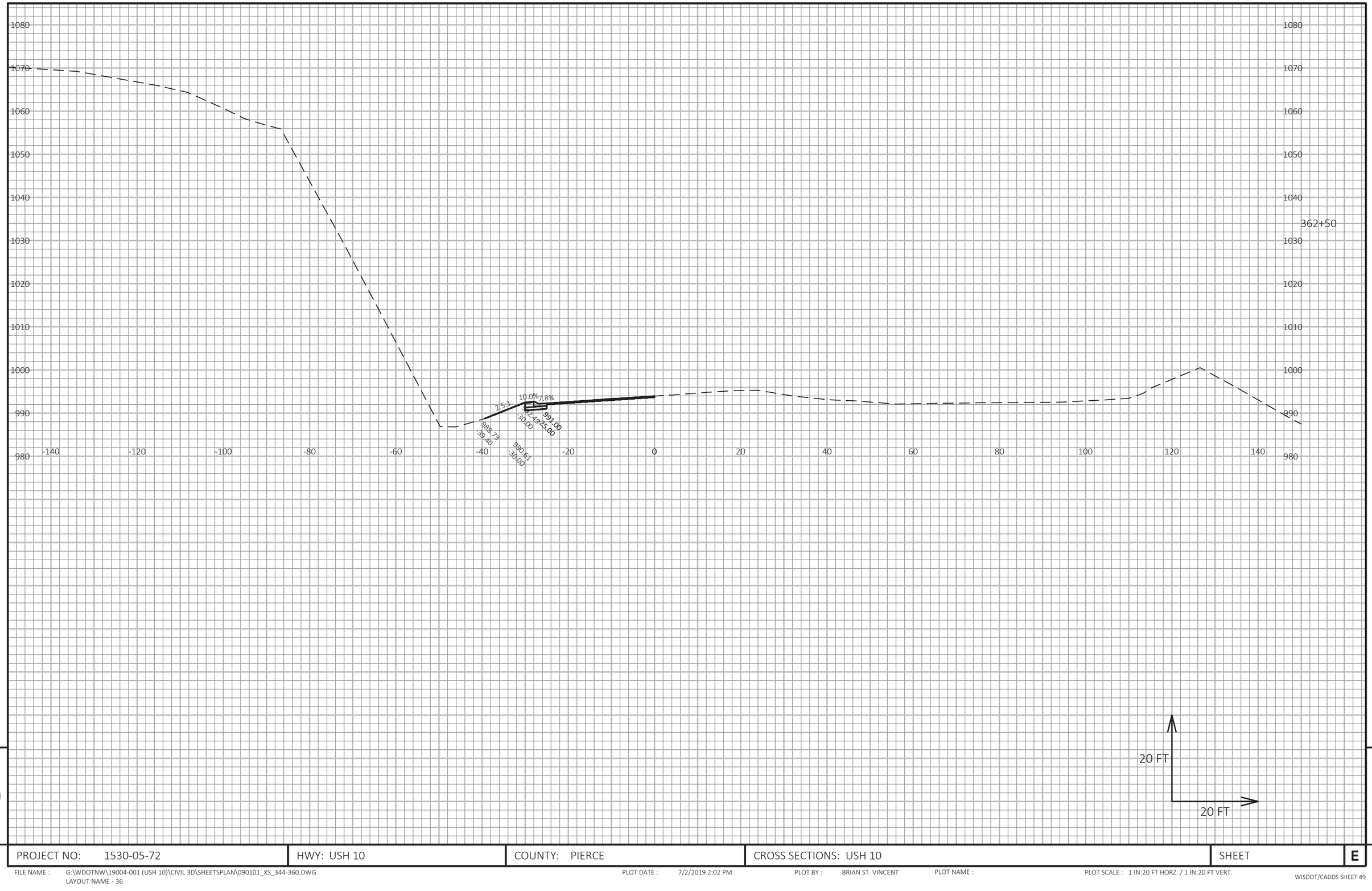
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 35

PLOT DATE : 7/2/2019 2:02 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

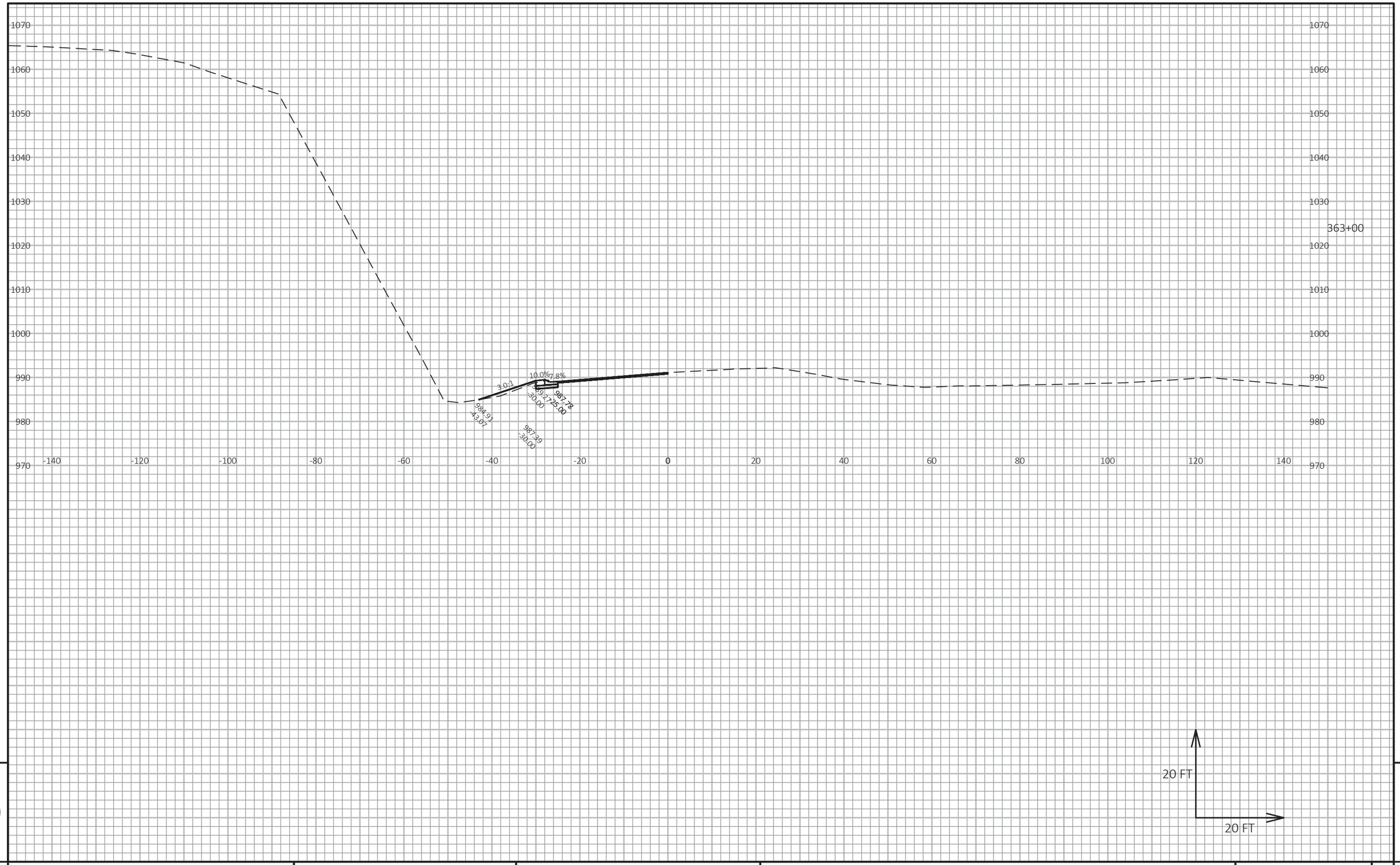
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 36

PLOT DATE : 7/2/2019 2:02 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



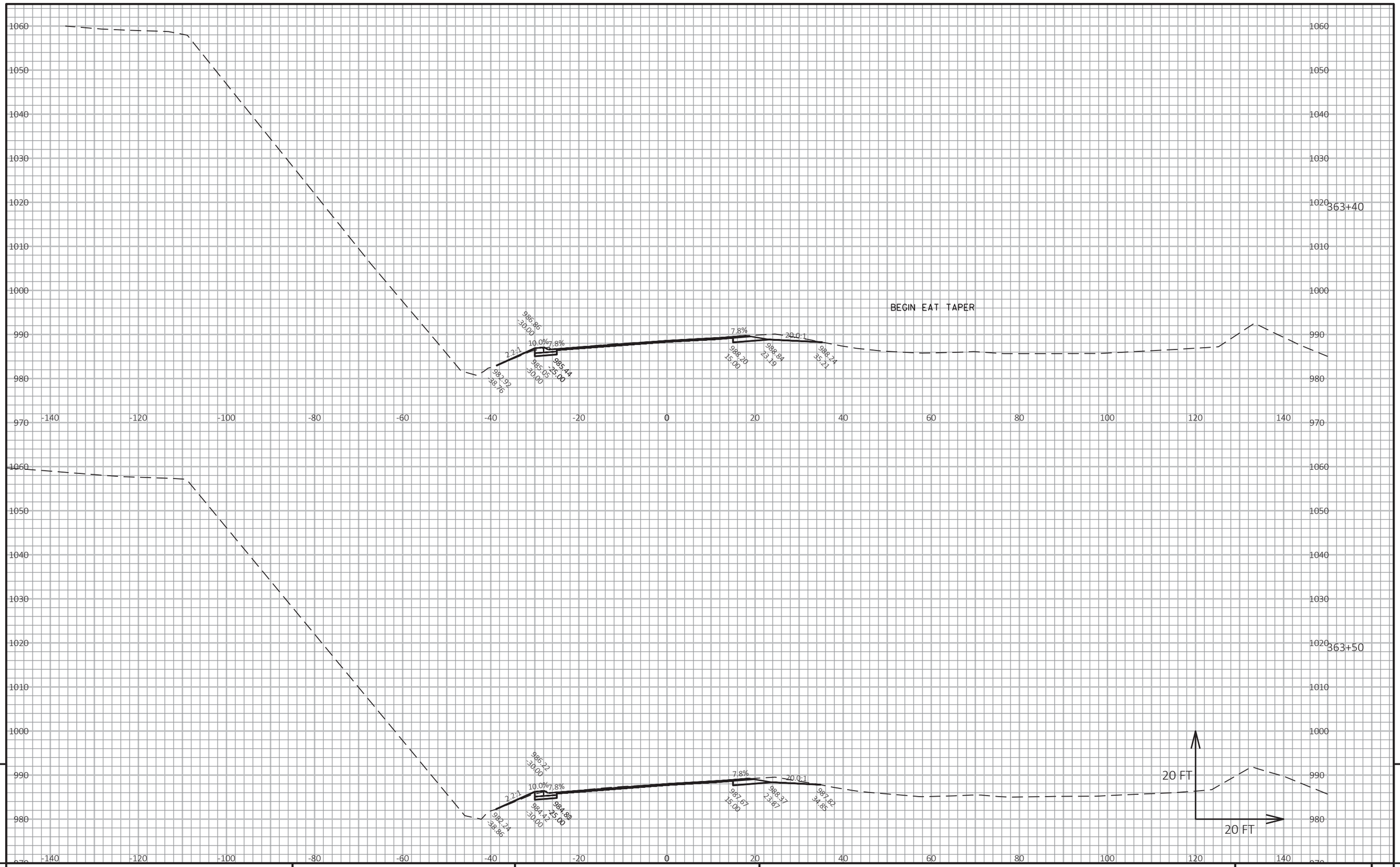
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_344-360.DWG
LAYOUT NAME - 37

PLOT DATE : 7/2/2019 2:03 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

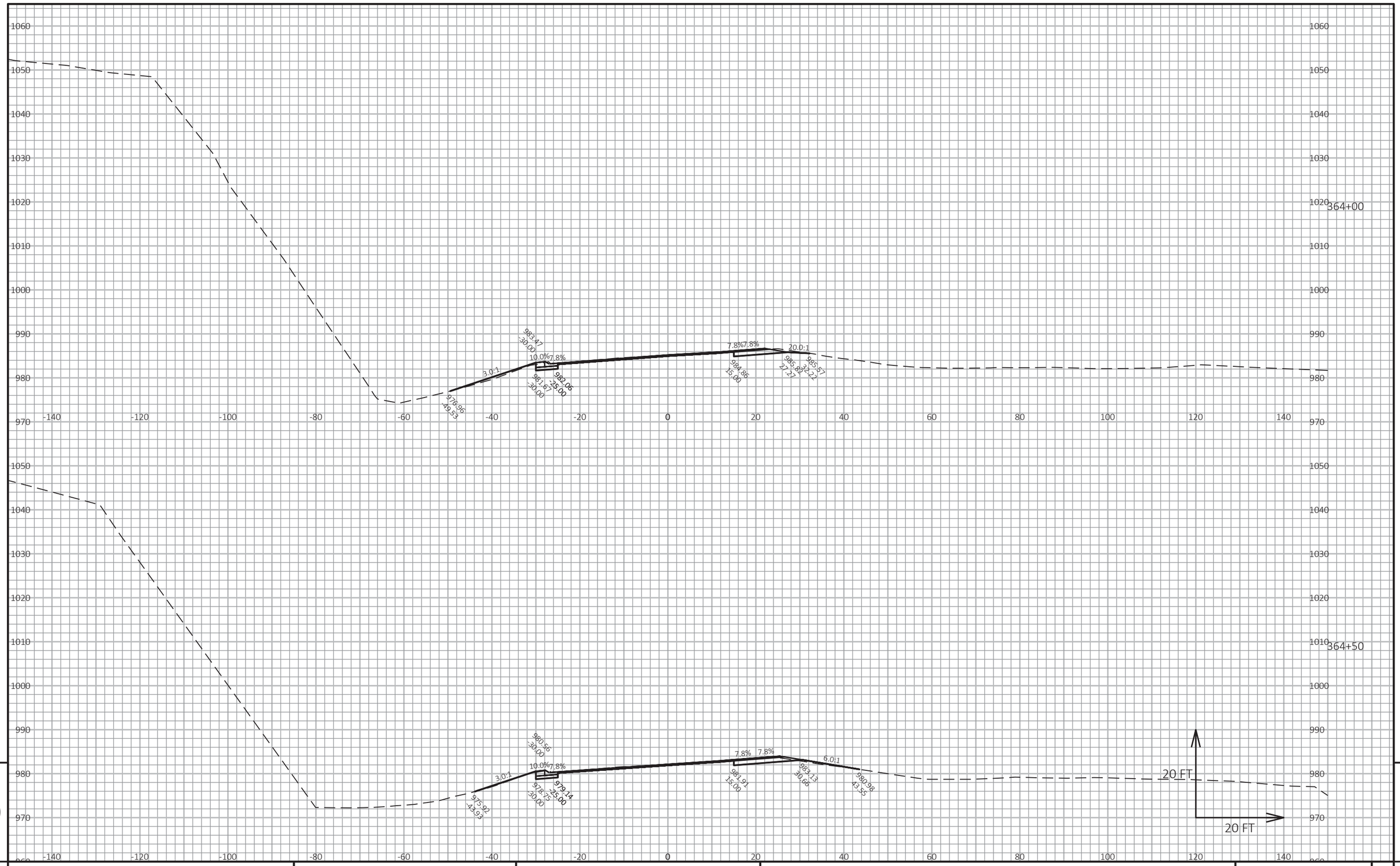
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 10

PLOT DATE : 7/2/2019 1:58 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

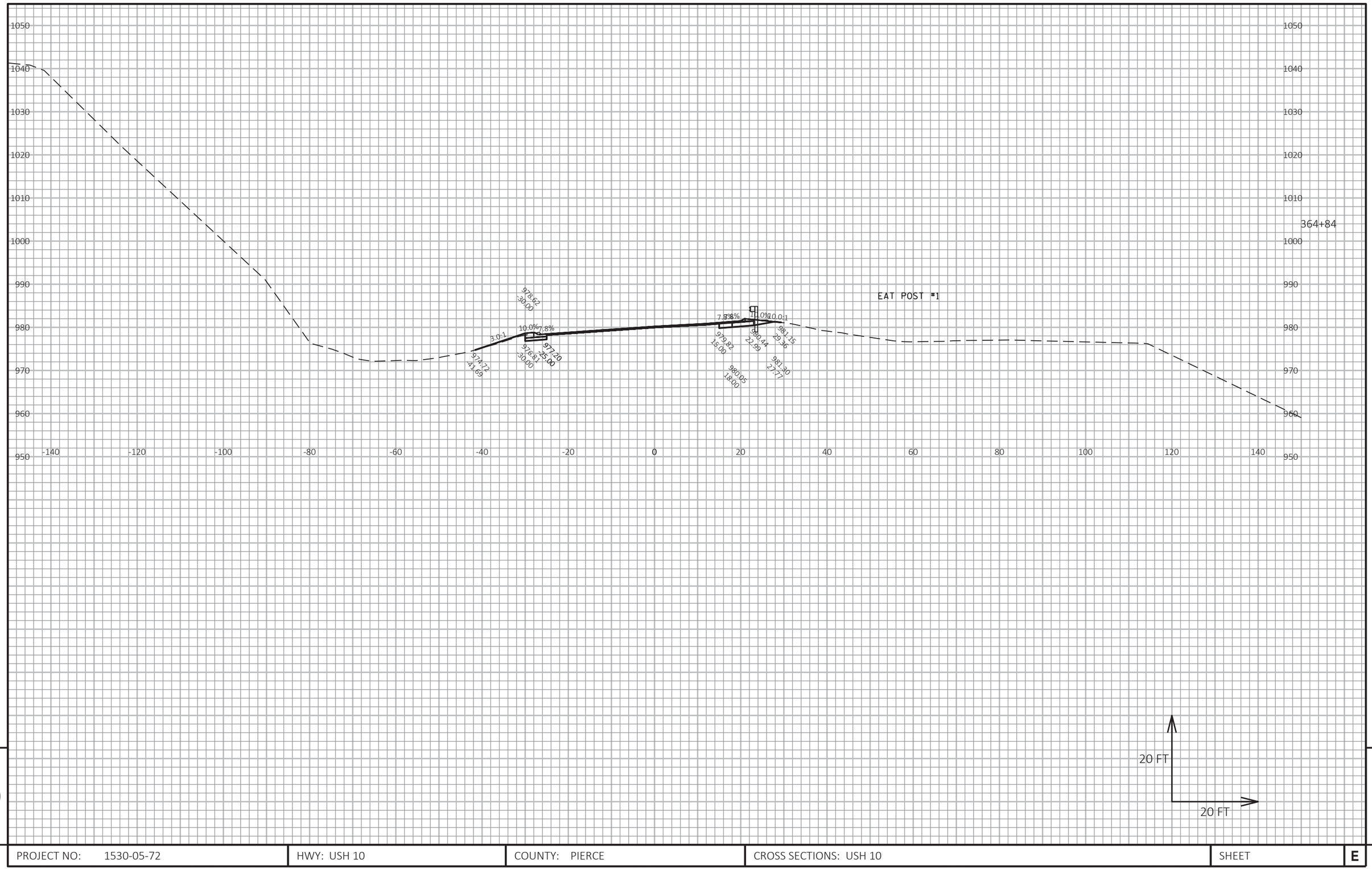
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 11

PLOT DATE : 7/2/2019 1:58 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

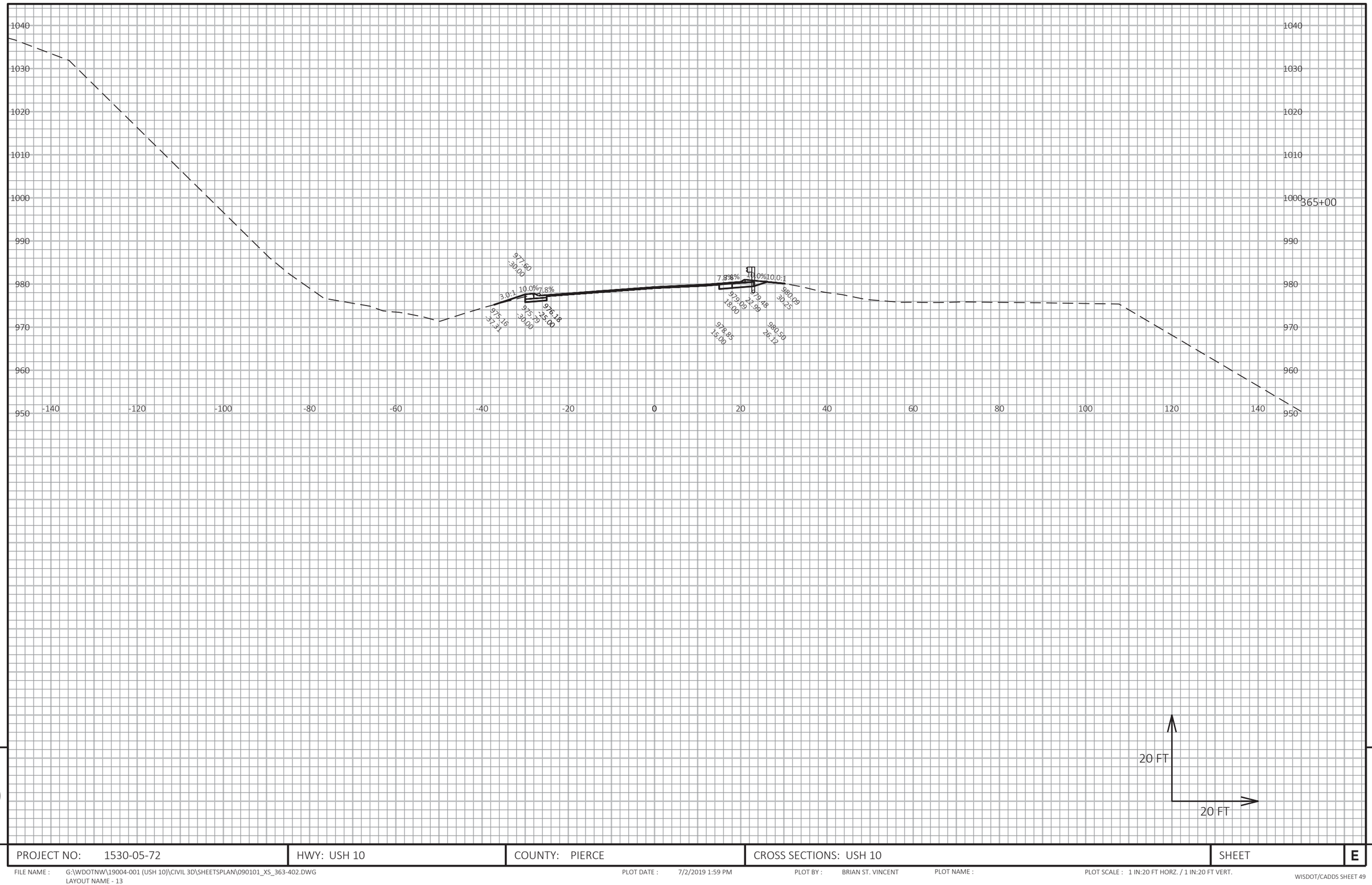
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 12

PLOT DATE : 7/2/2019 1:59 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

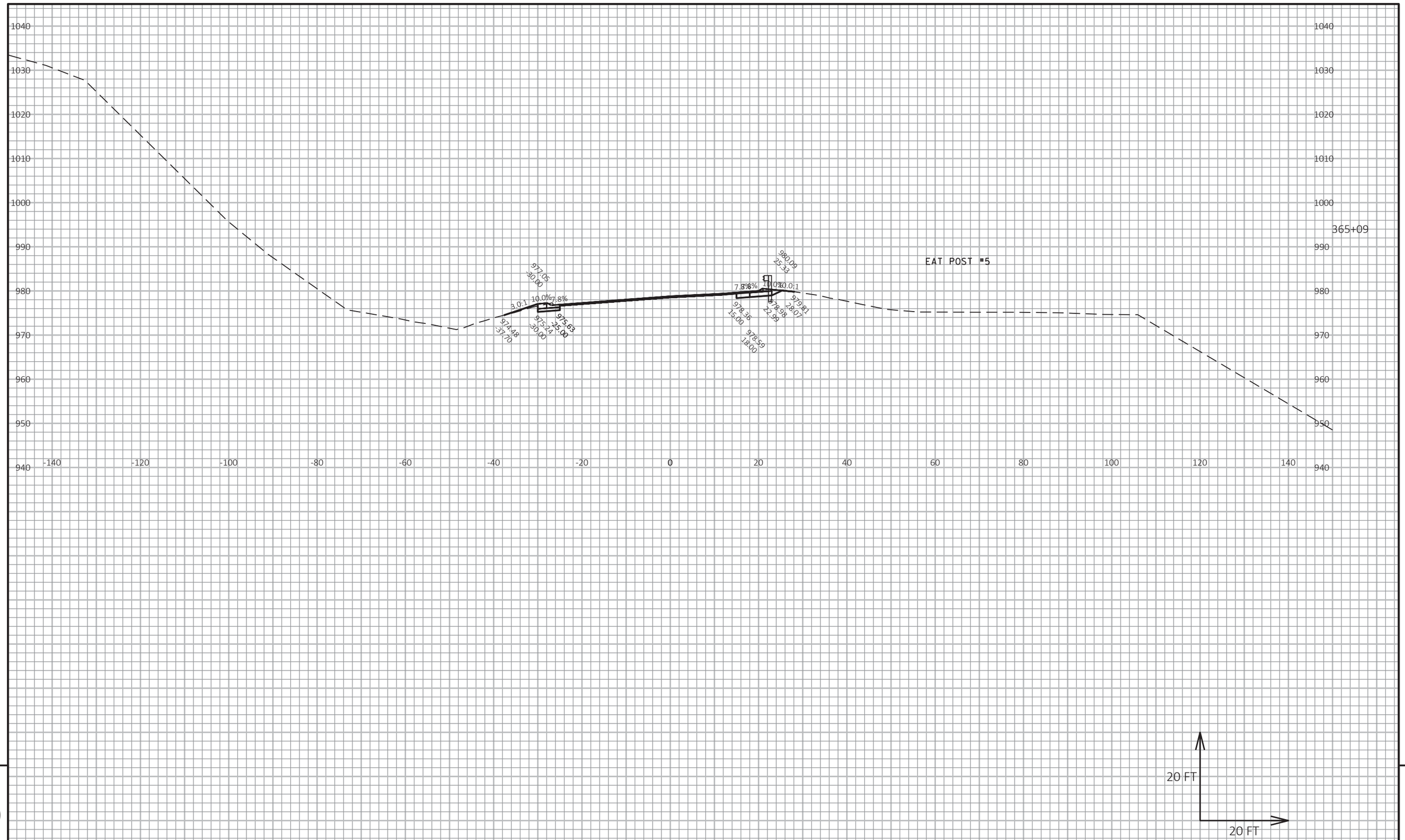
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 13

PLOT DATE : 7/2/2019 1:59 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

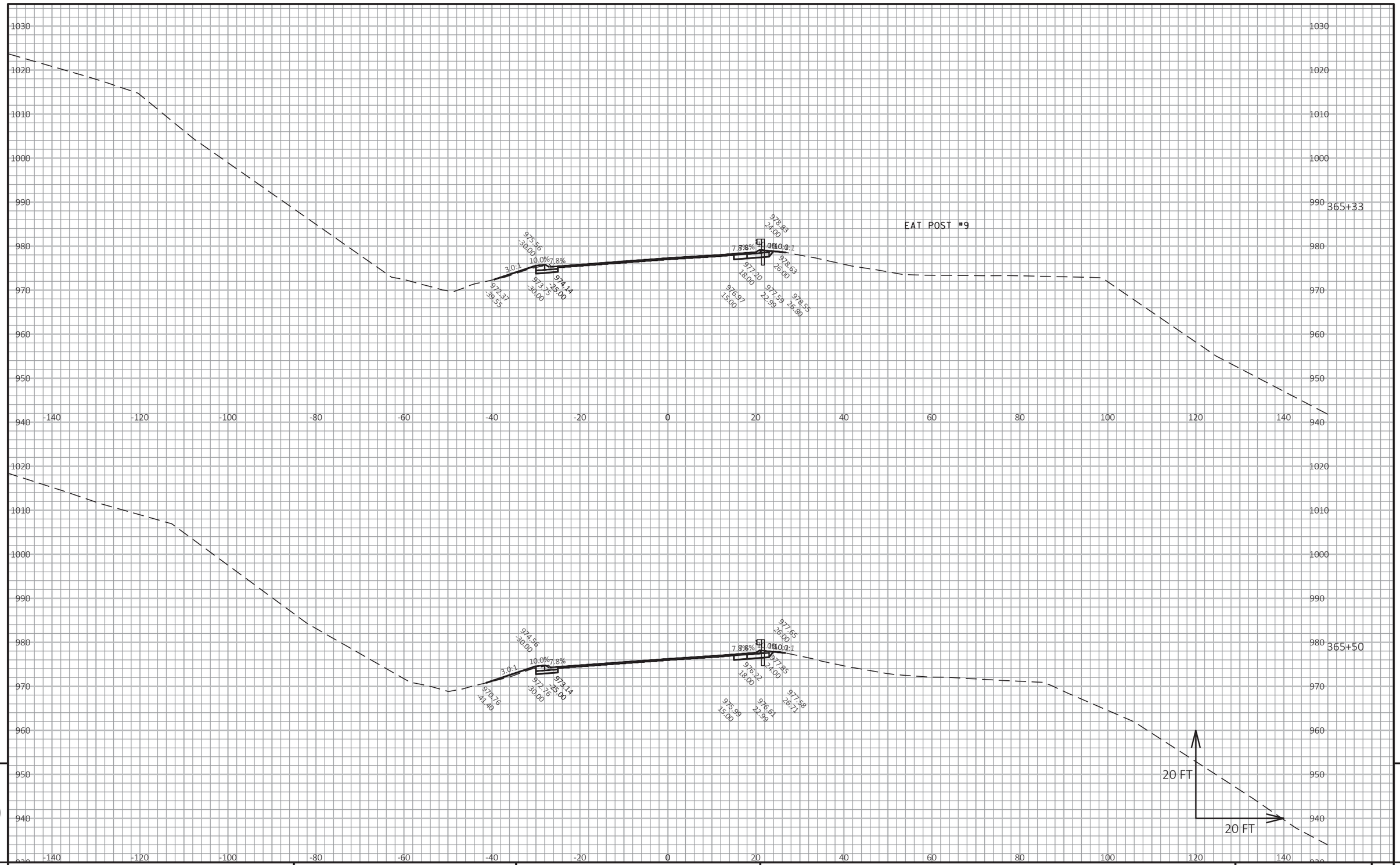
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 14

PLOT DATE : 7/2/2019 1:59 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



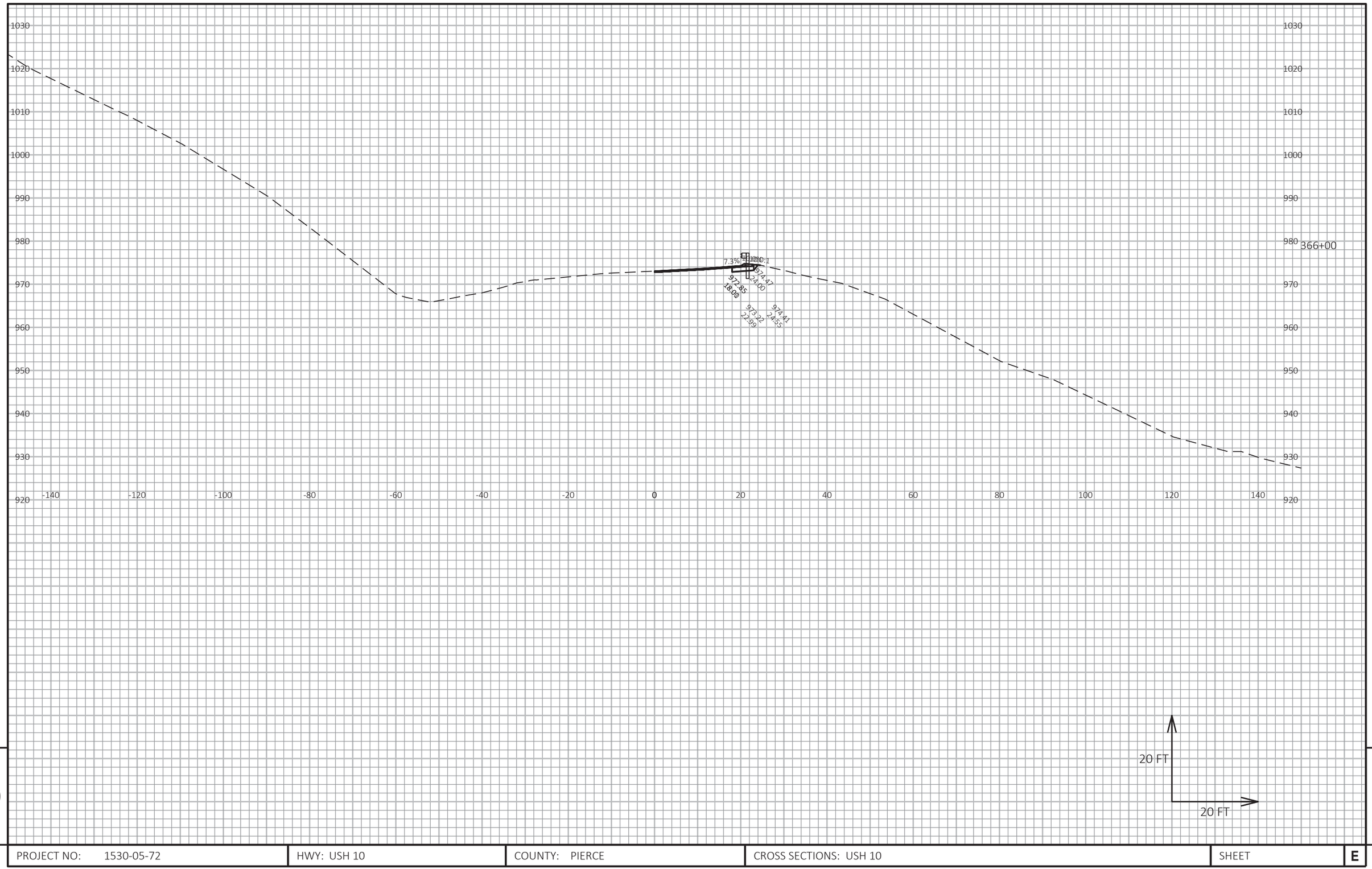
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 15

PLOT DATE : 7/2/2019 2:00 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



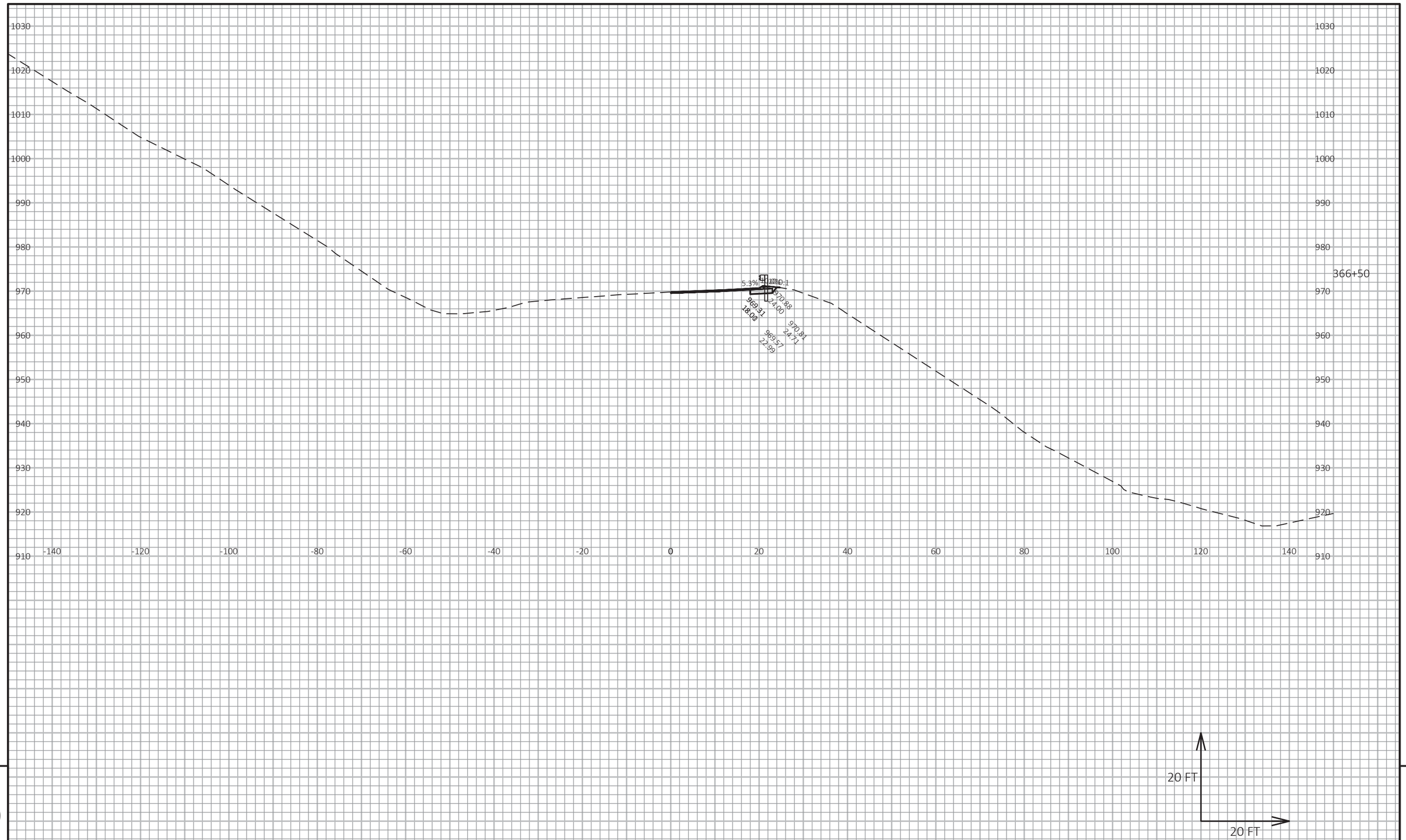
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 16

PLOT DATE : 7/2/2019 2:00 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

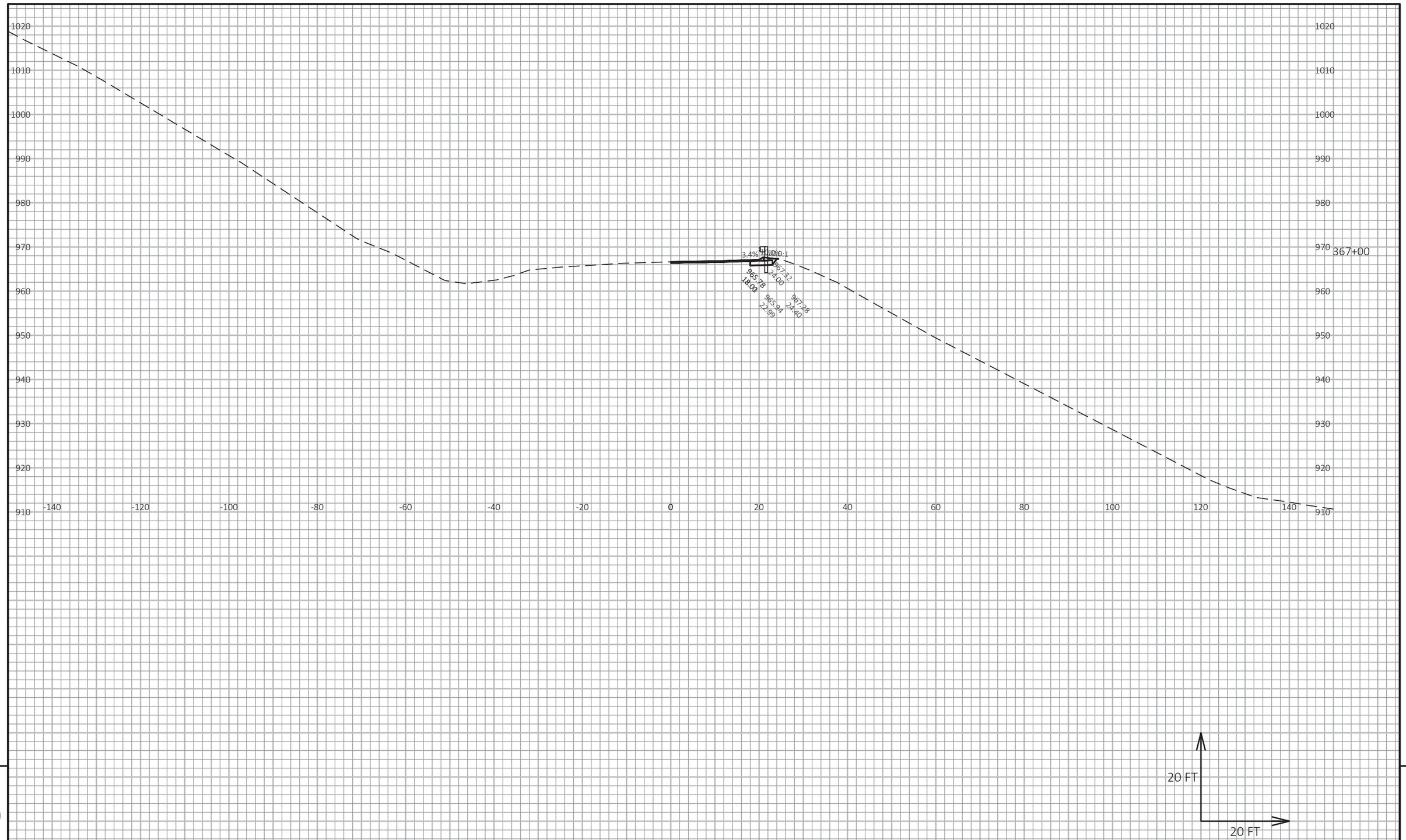
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 17

PLOT DATE : 7/2/2019 2:01 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



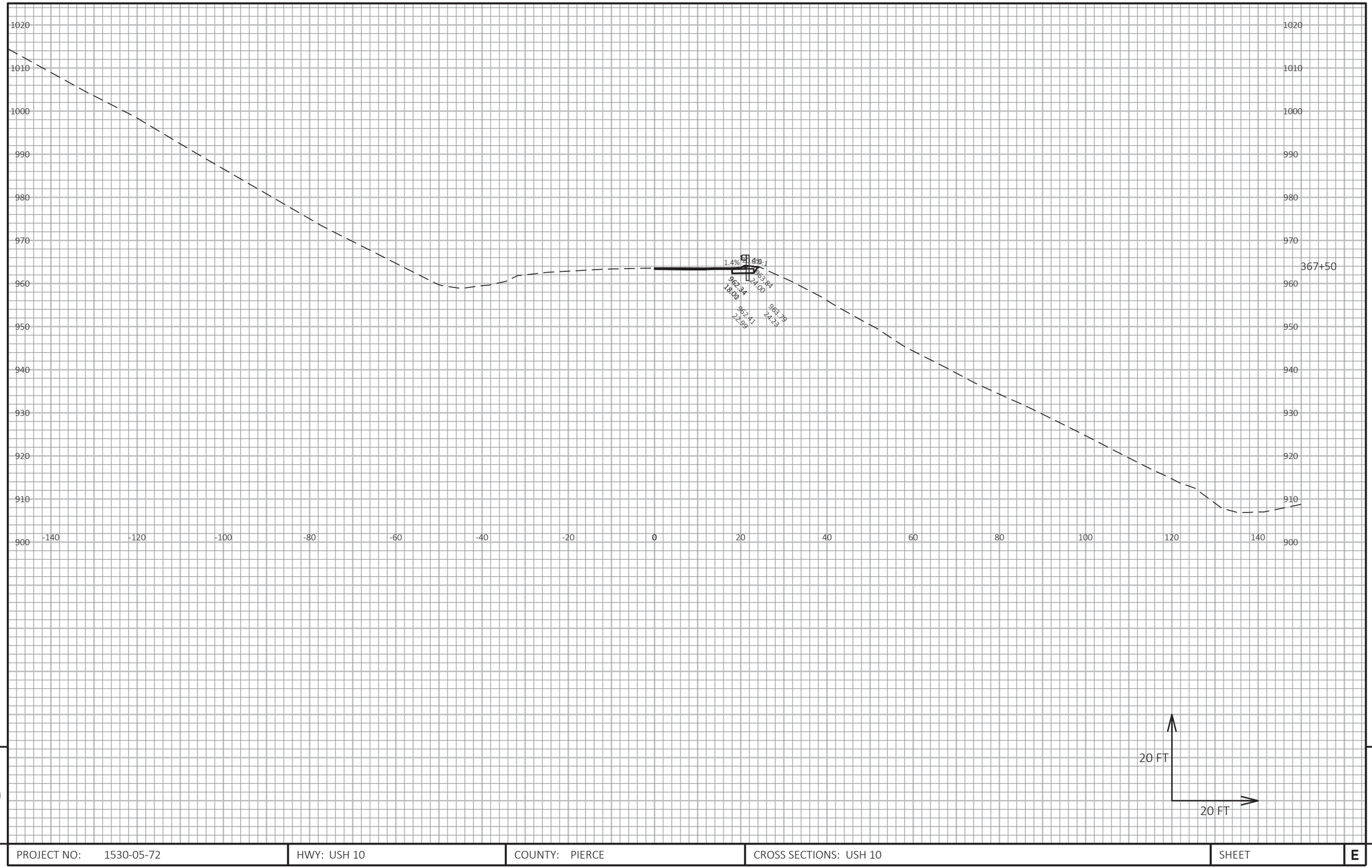
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 18

PLOT DATE : 7/2/2019 2:01 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

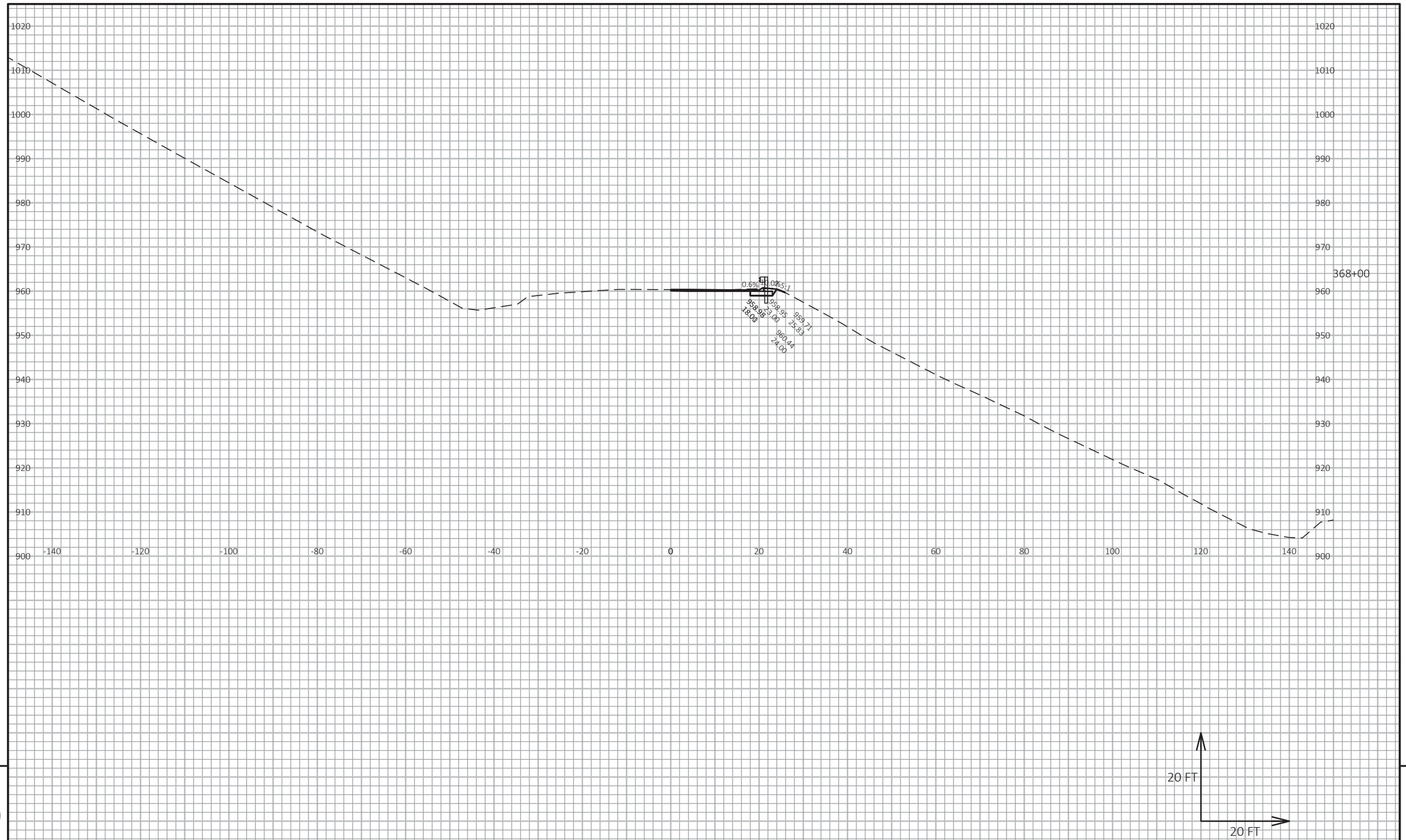
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 19

PLOT DATE : 7/2/2019 2:01 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

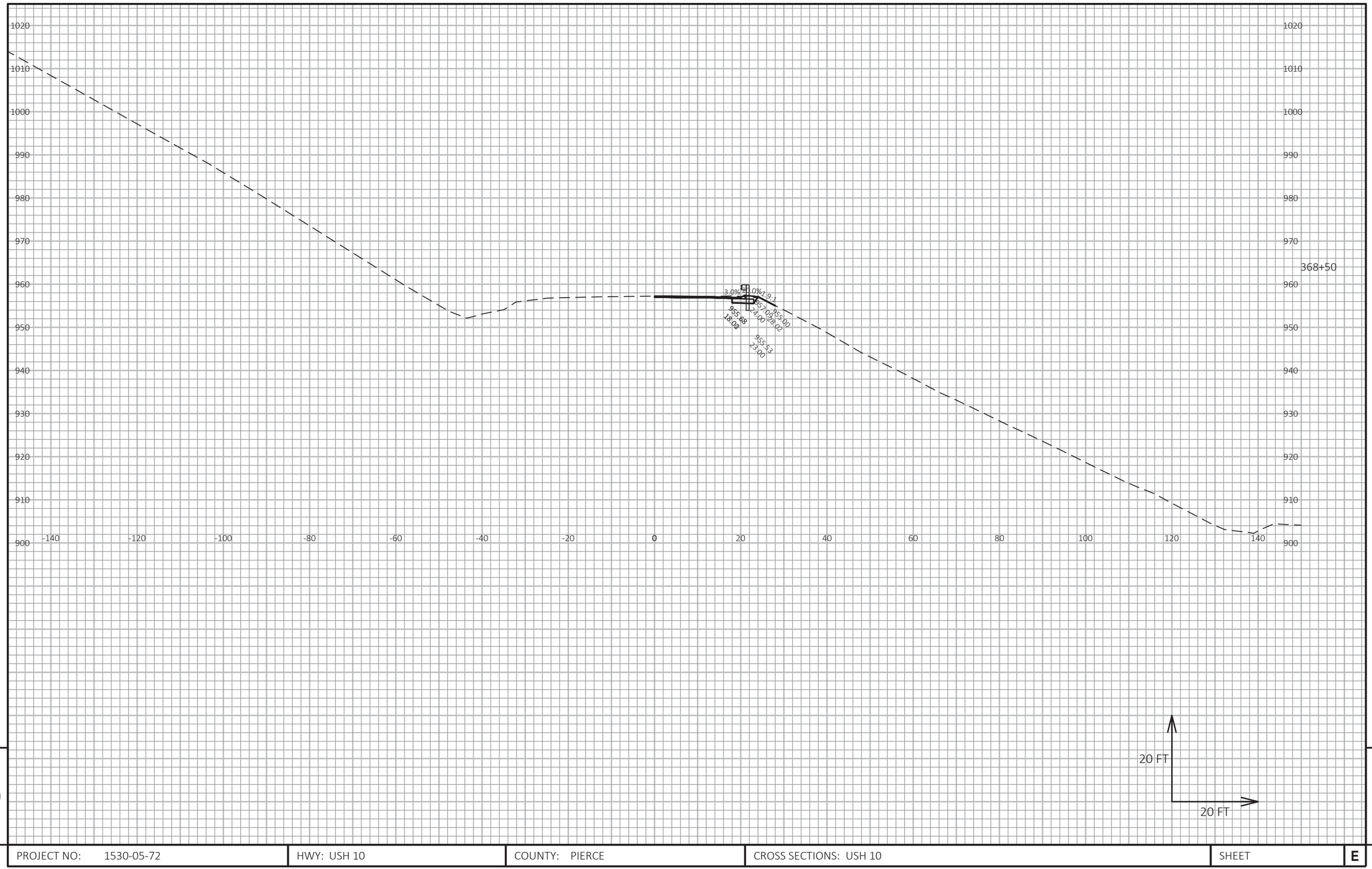
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 20

PLOT DATE : 7/2/2019 2:02 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

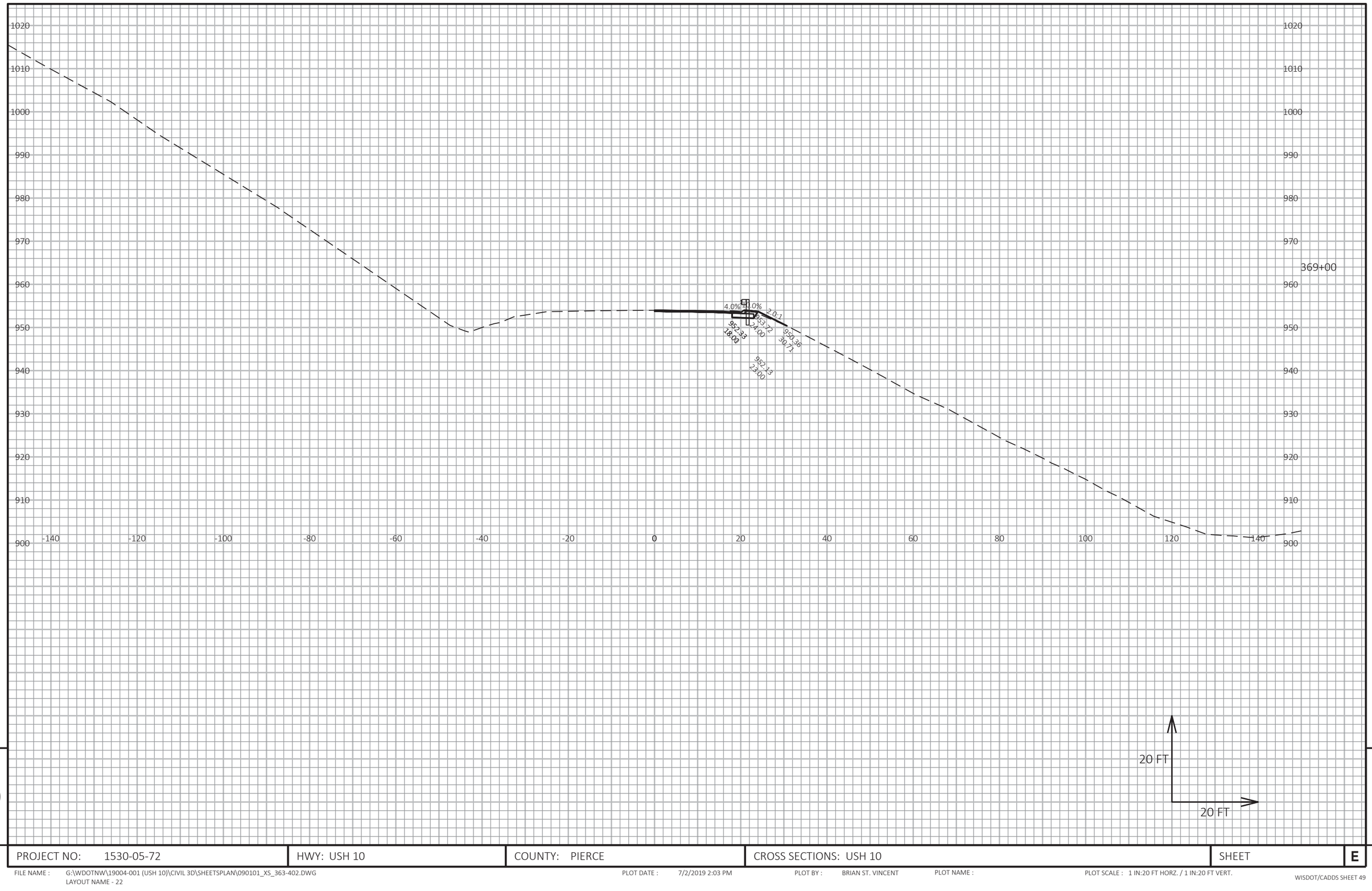
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 21

PLOT DATE : 7/2/2019 2:02 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



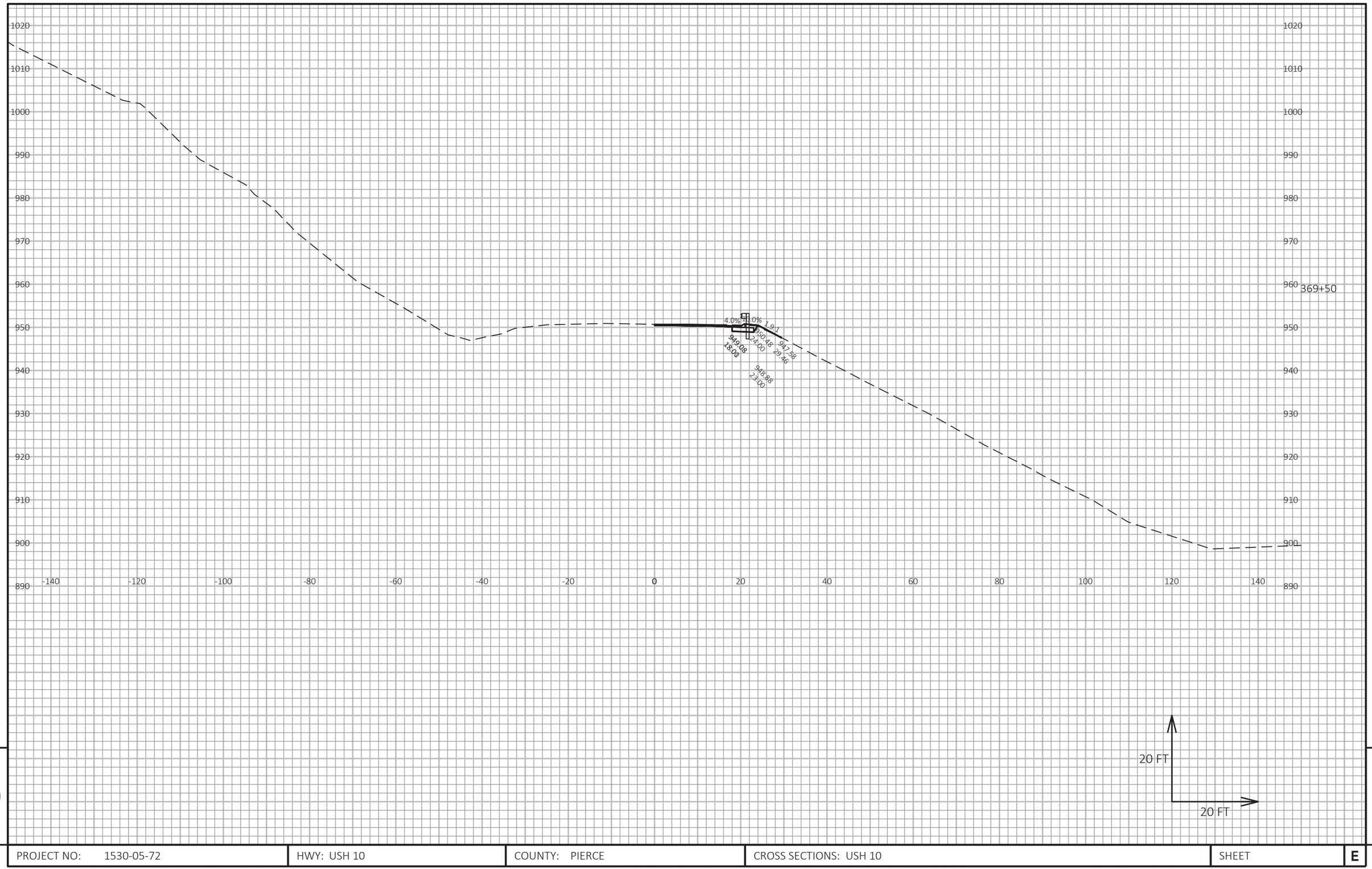
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 22

PLOT DATE : 7/2/2019 2:03 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

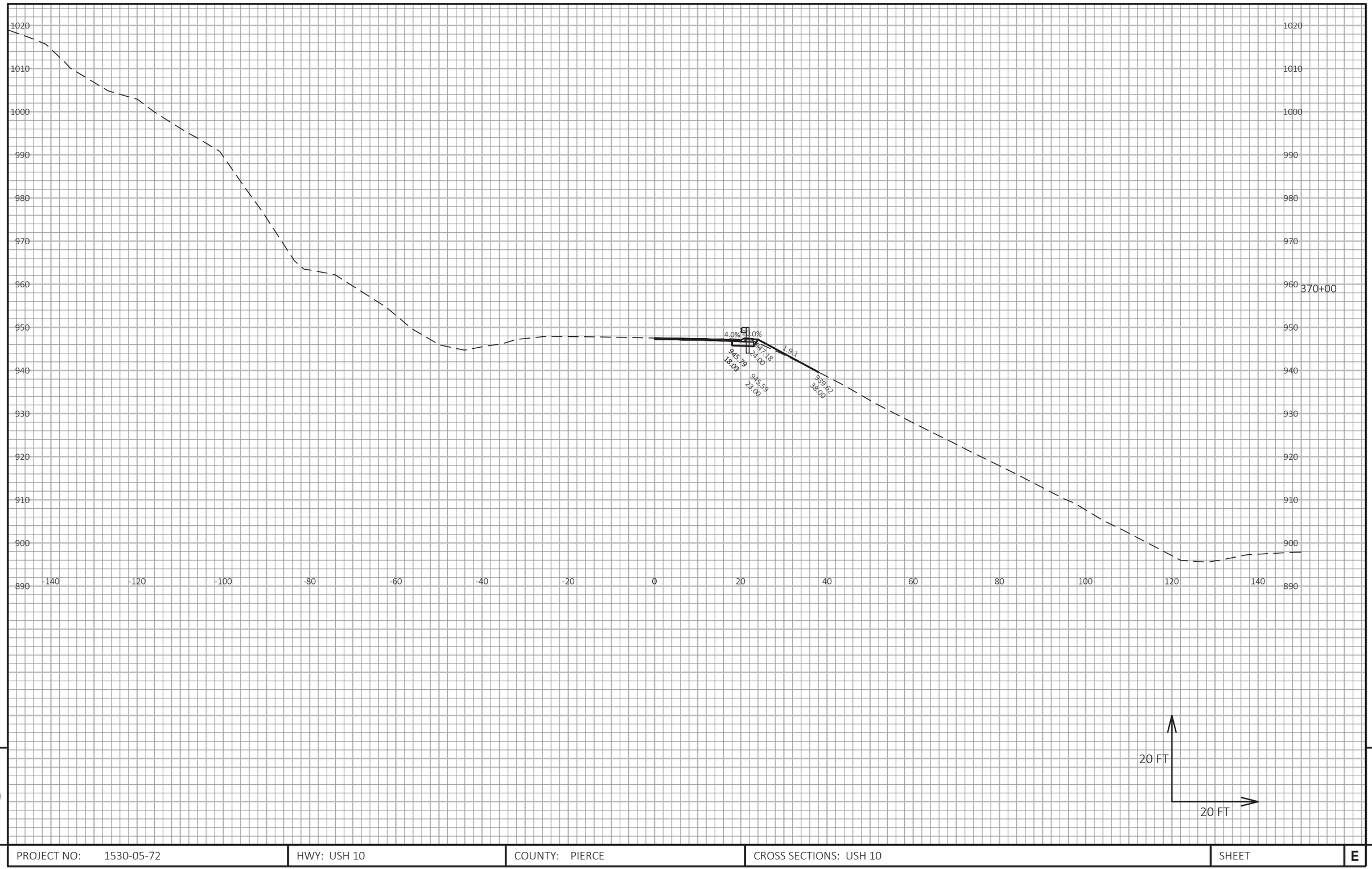
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 23

PLOT DATE : 7/2/2019 2:03 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



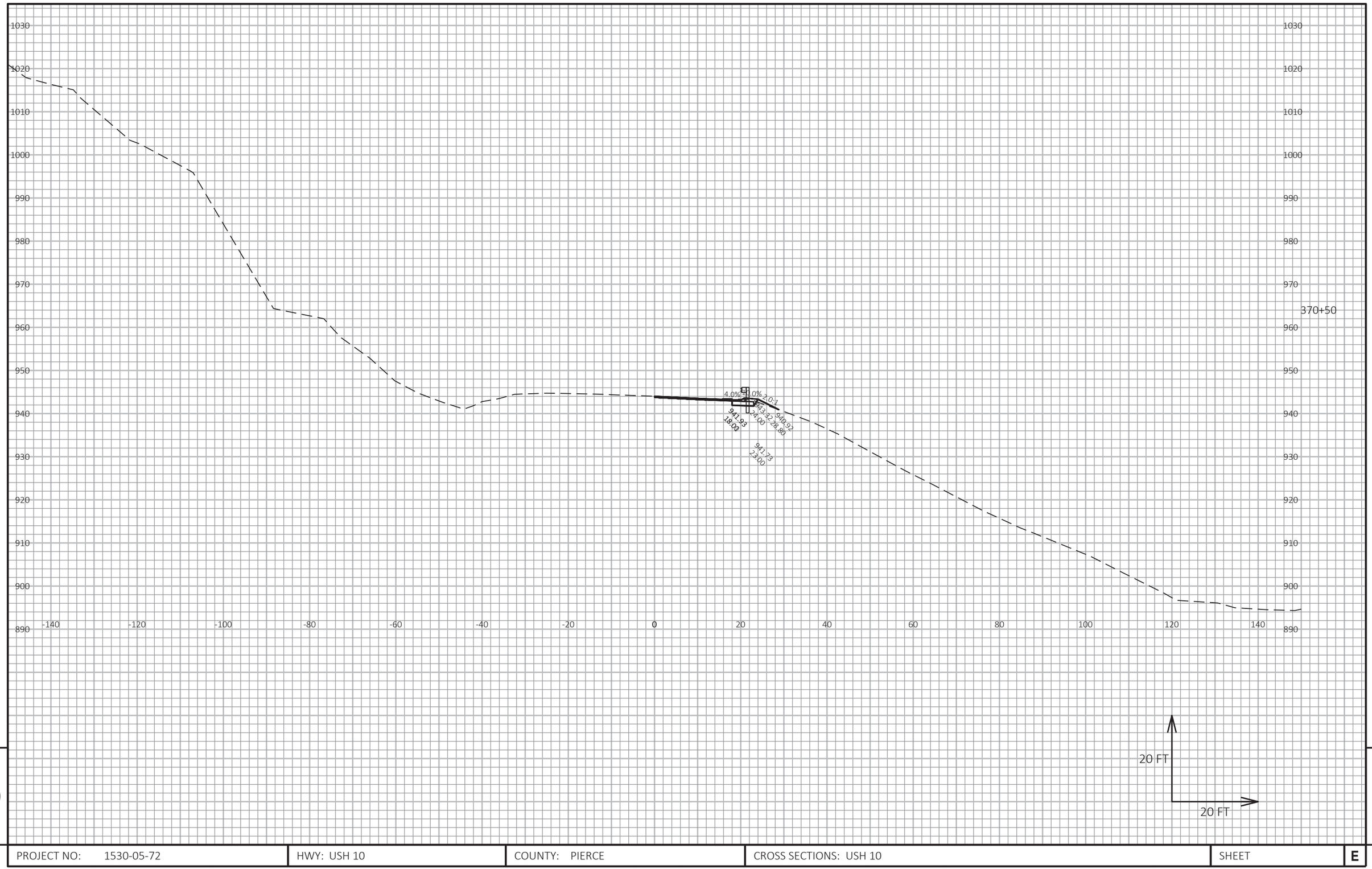
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 24

PLOT DATE : 7/2/2019 2:03 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



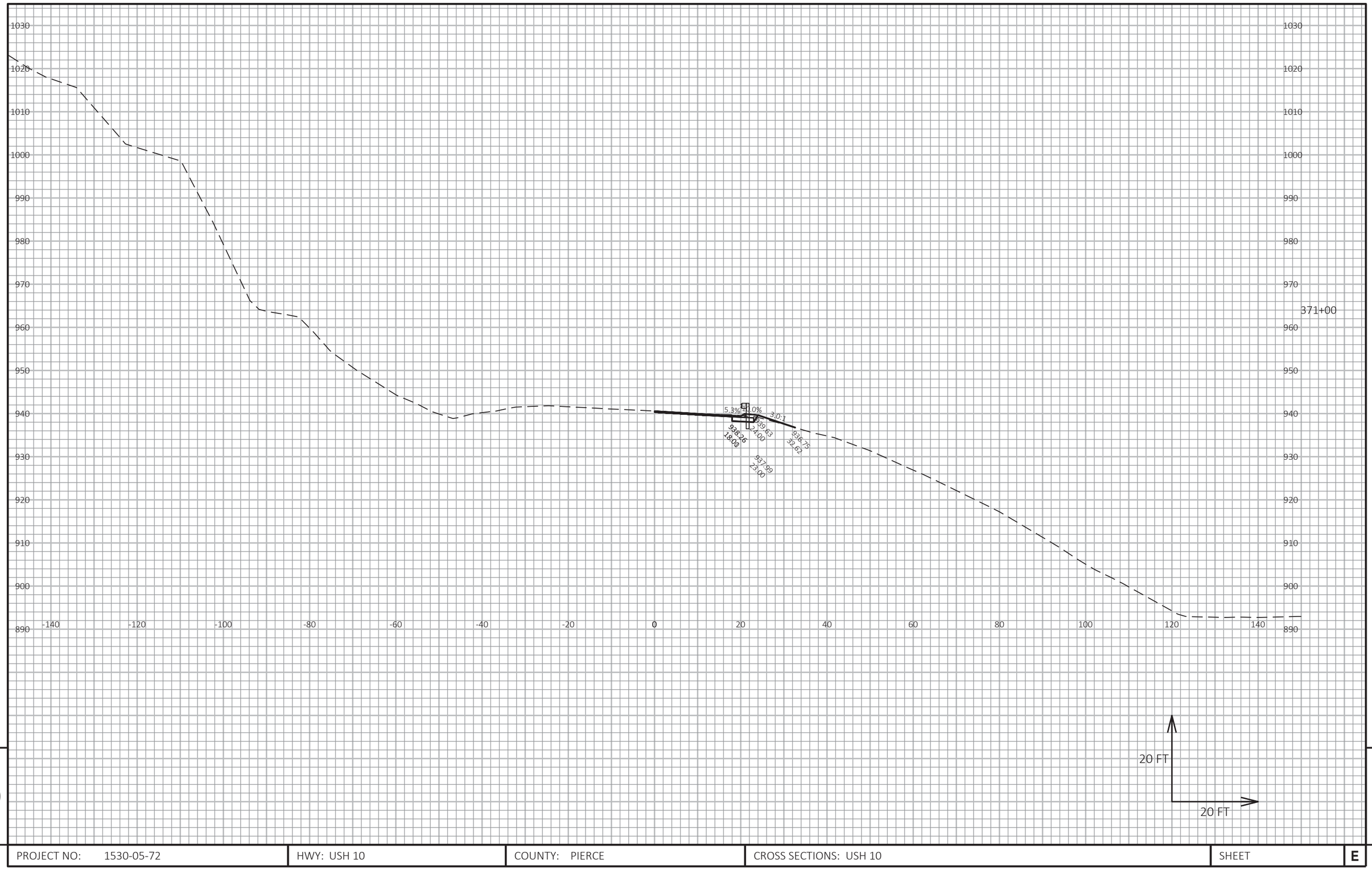
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 25

PLOT DATE : 7/2/2019 2:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



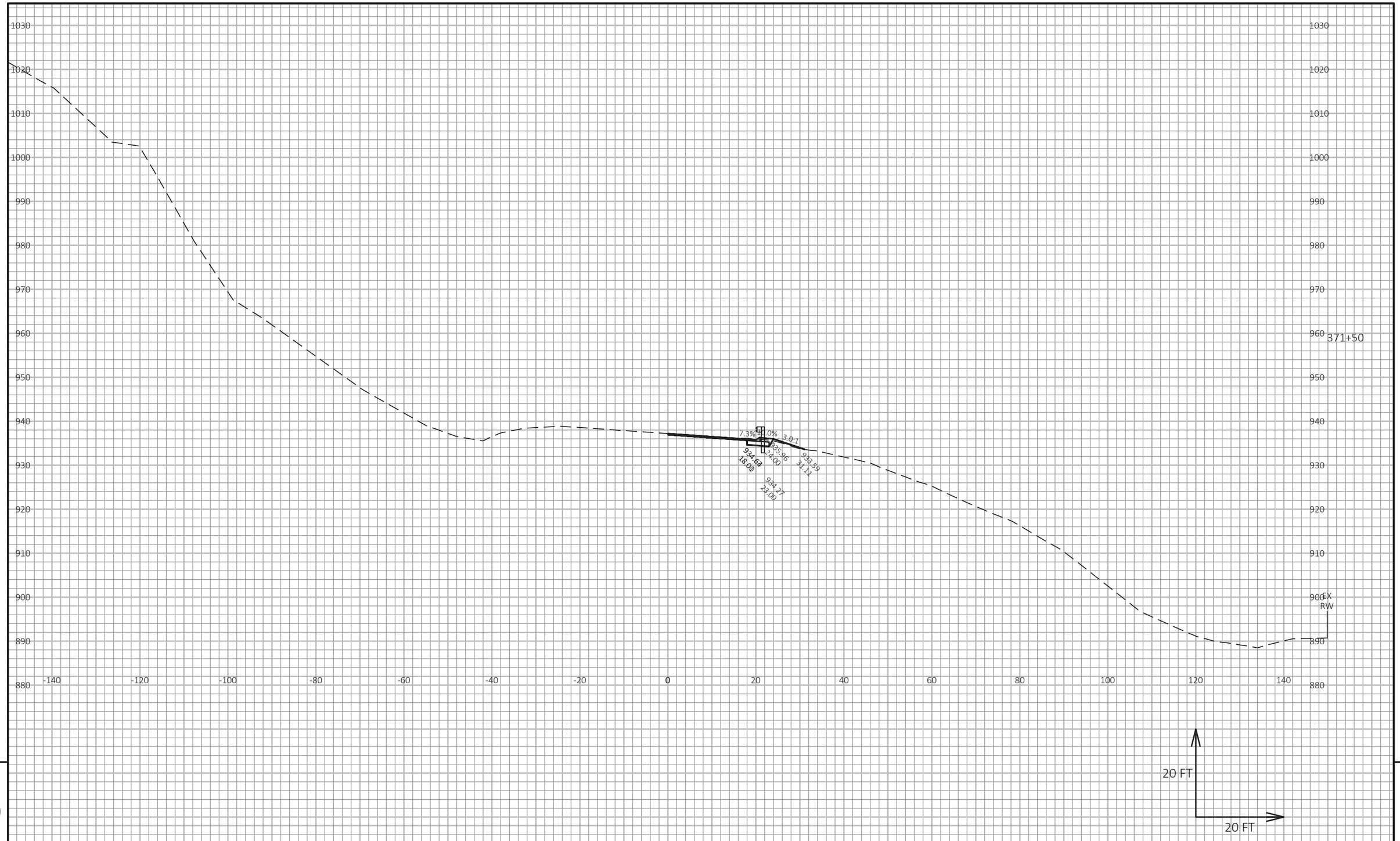
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 26

PLOT DATE : 7/2/2019 2:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

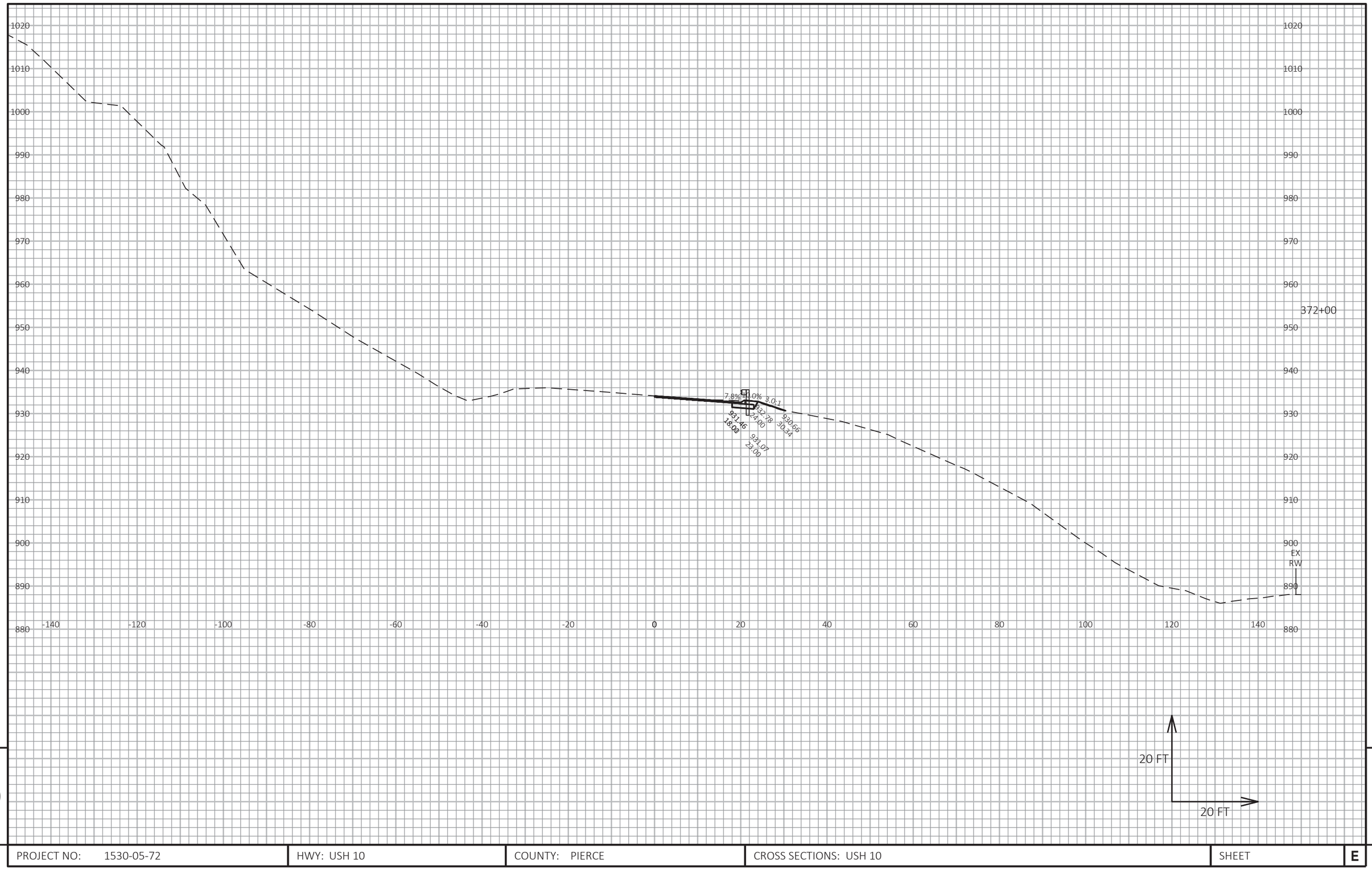
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 27

PLOT DATE : 7/2/2019 2:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



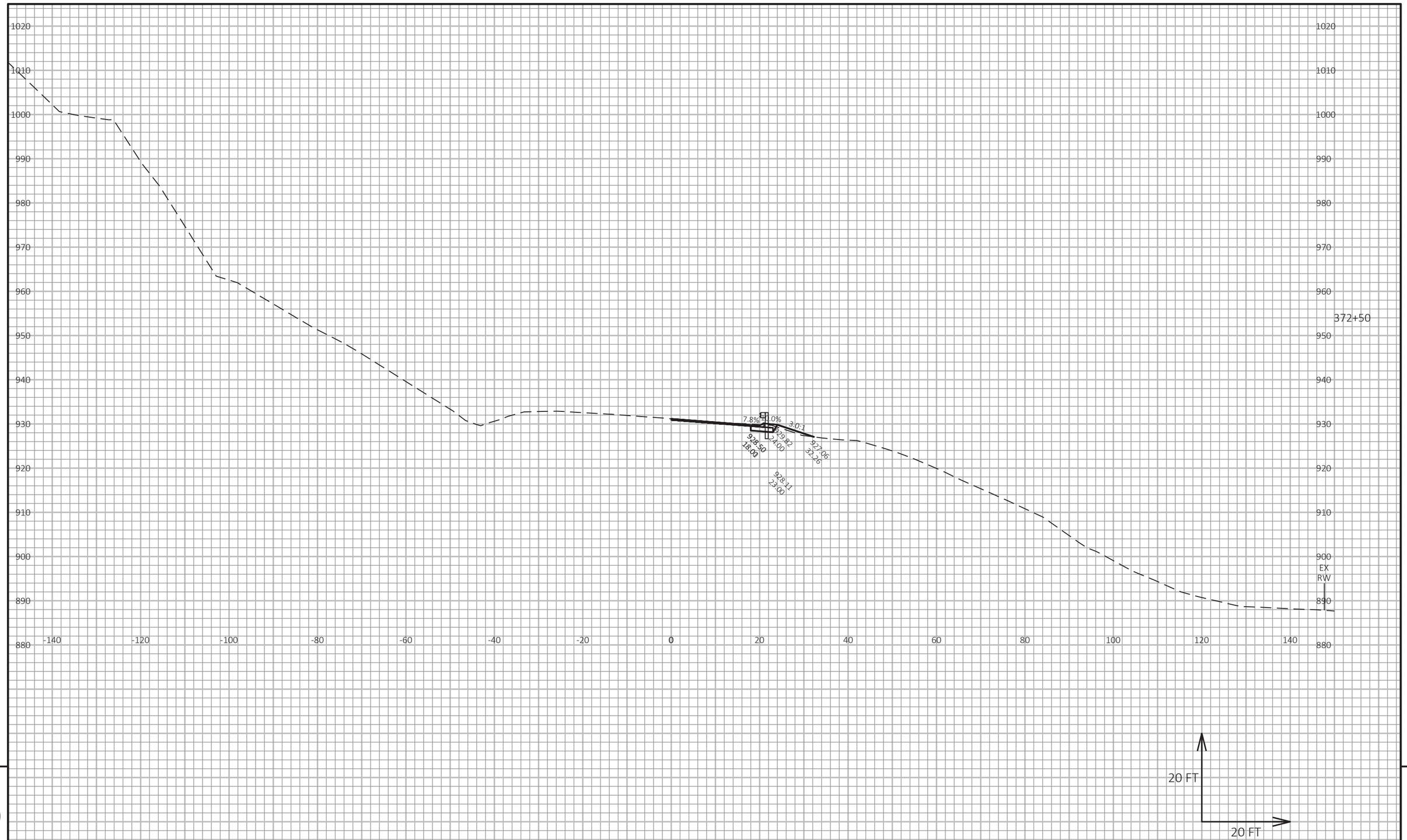
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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 28

PLOT DATE : 7/2/2019 2:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



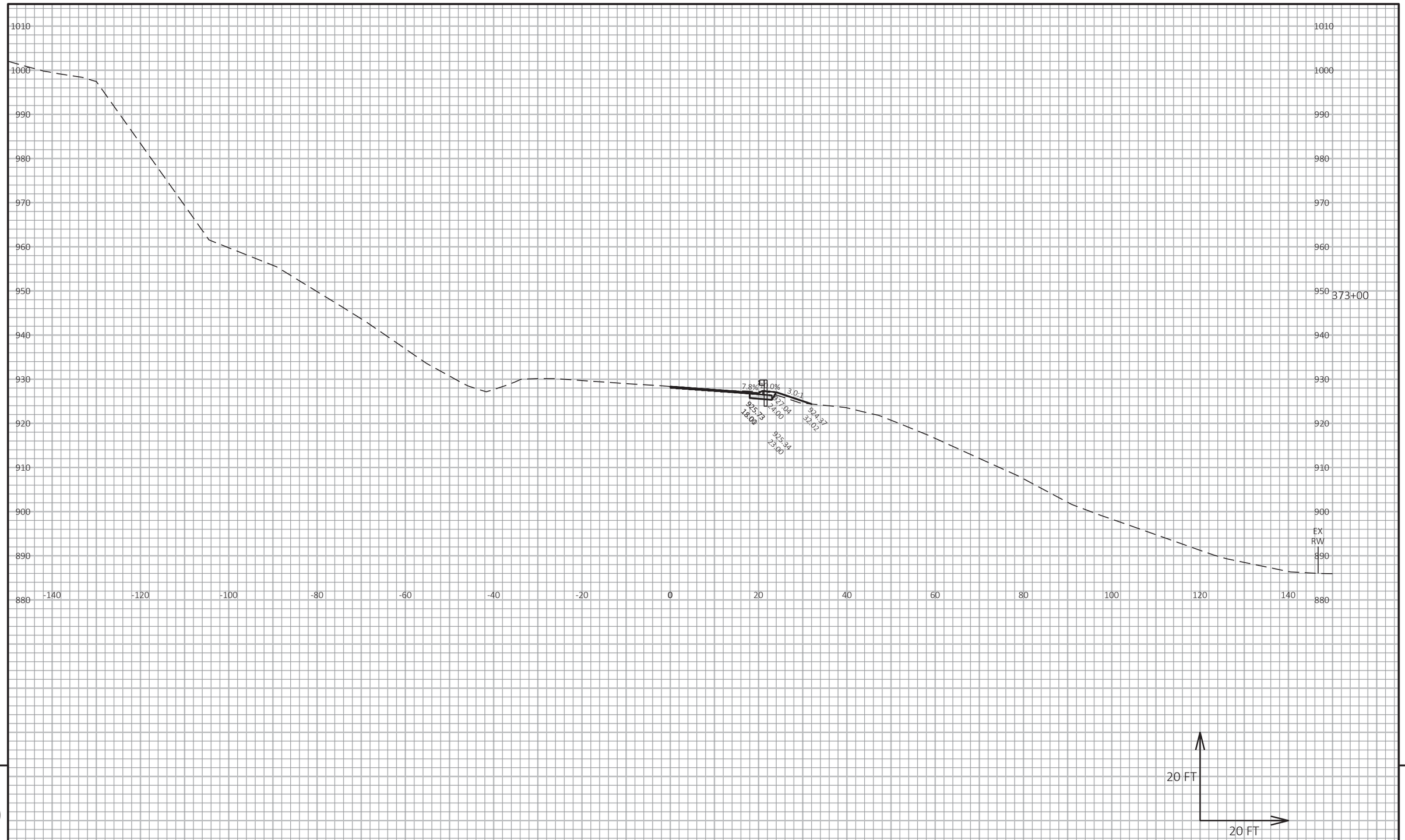
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 29

PLOT DATE : 7/2/2019 2:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 30

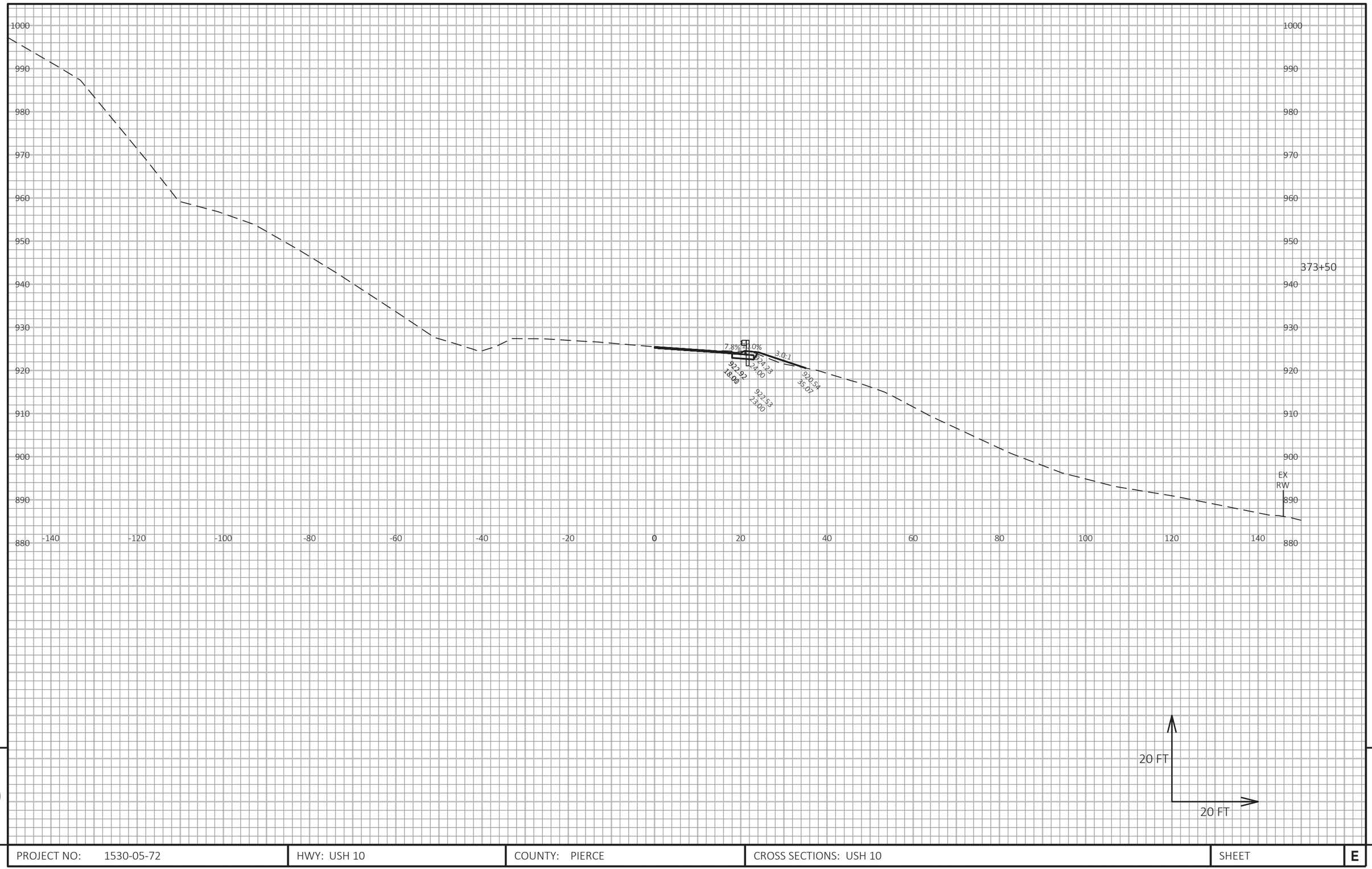
PLOT DATE : 7/2/2019 2:06 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



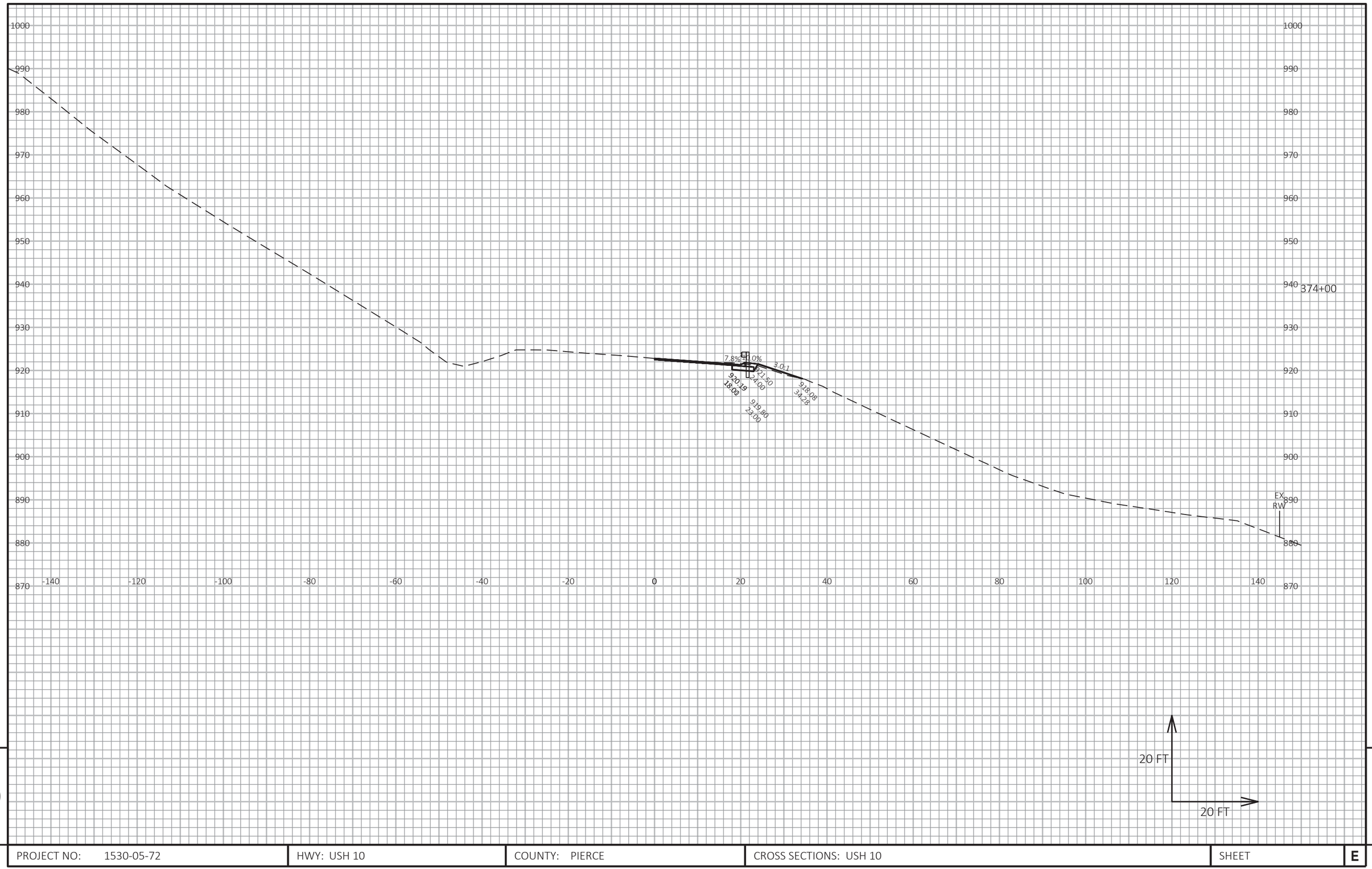
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 31

PLOT DATE : 7/2/2019 2:06 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

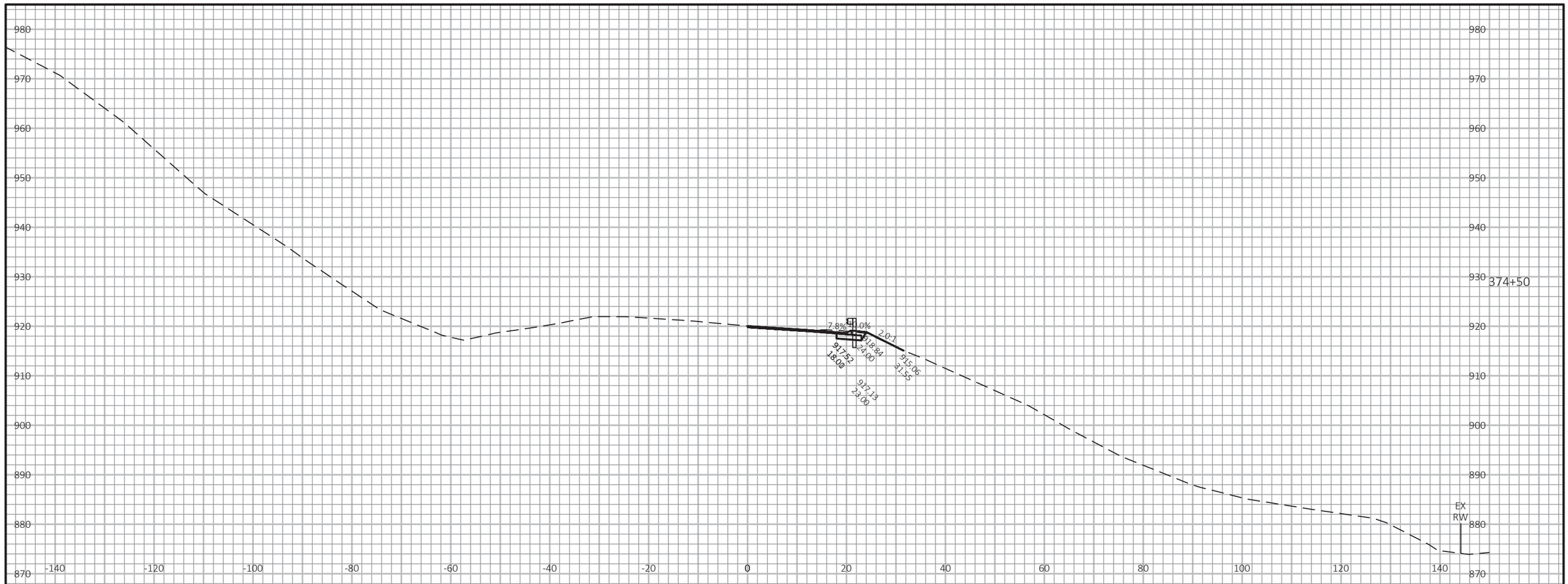
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 32

PLOT DATE : 7/2/2019 2:06 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



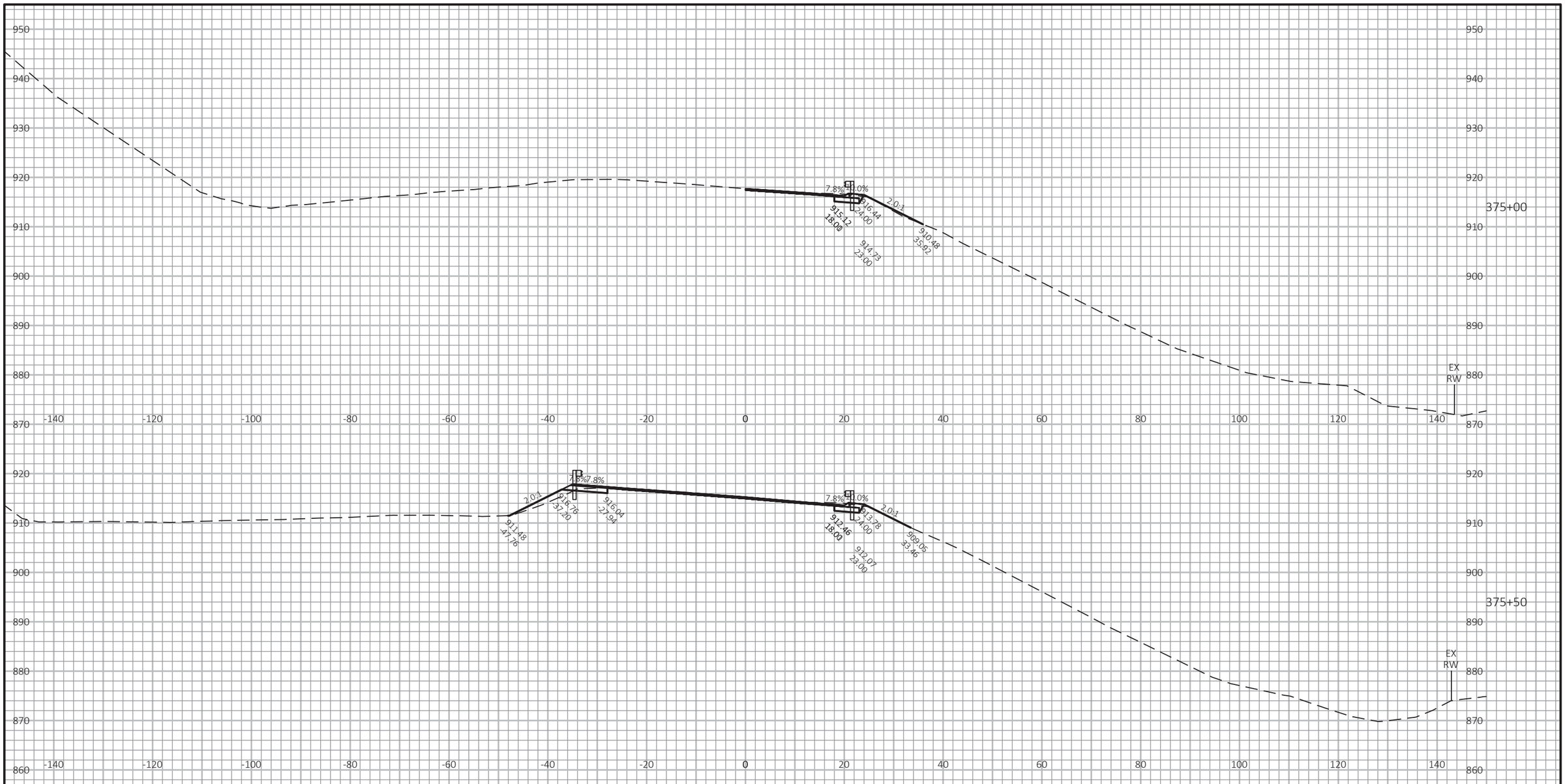
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 33

PLOT DATE : 7/2/2019 2:07 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

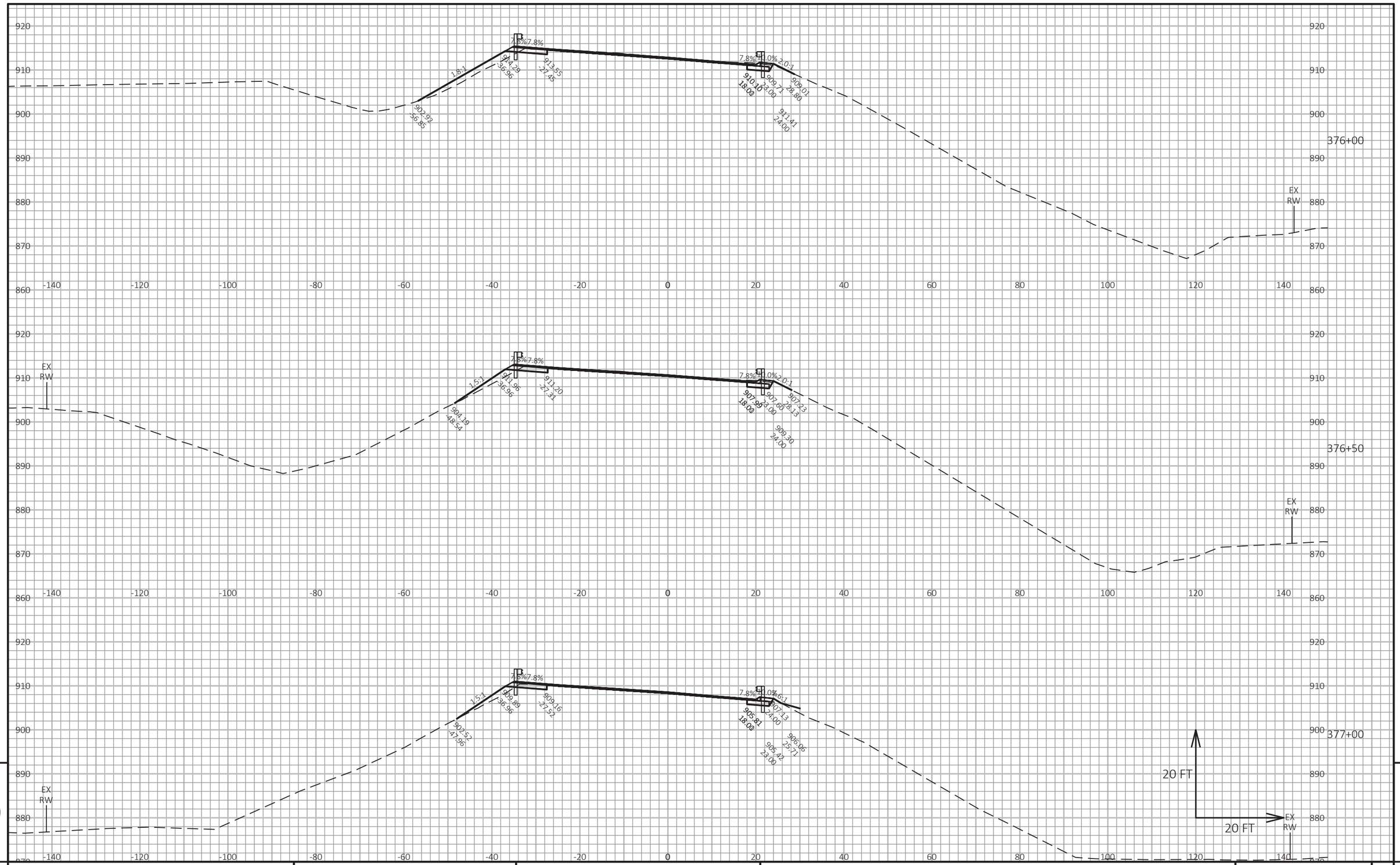


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 34

PLOT DATE : 7/2/2019 2:07 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

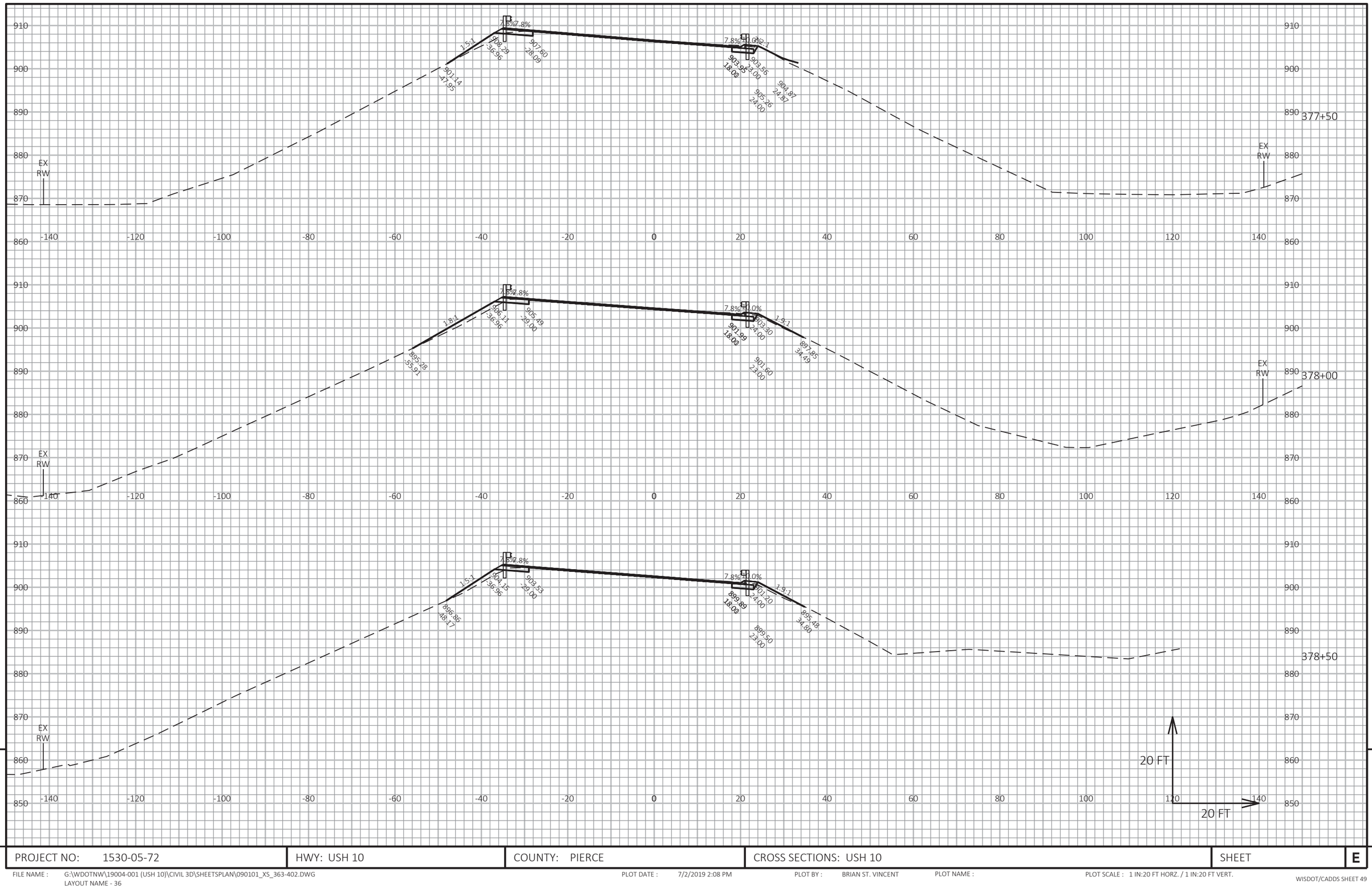
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 35

PLOT DATE : 7/2/2019 2:07 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

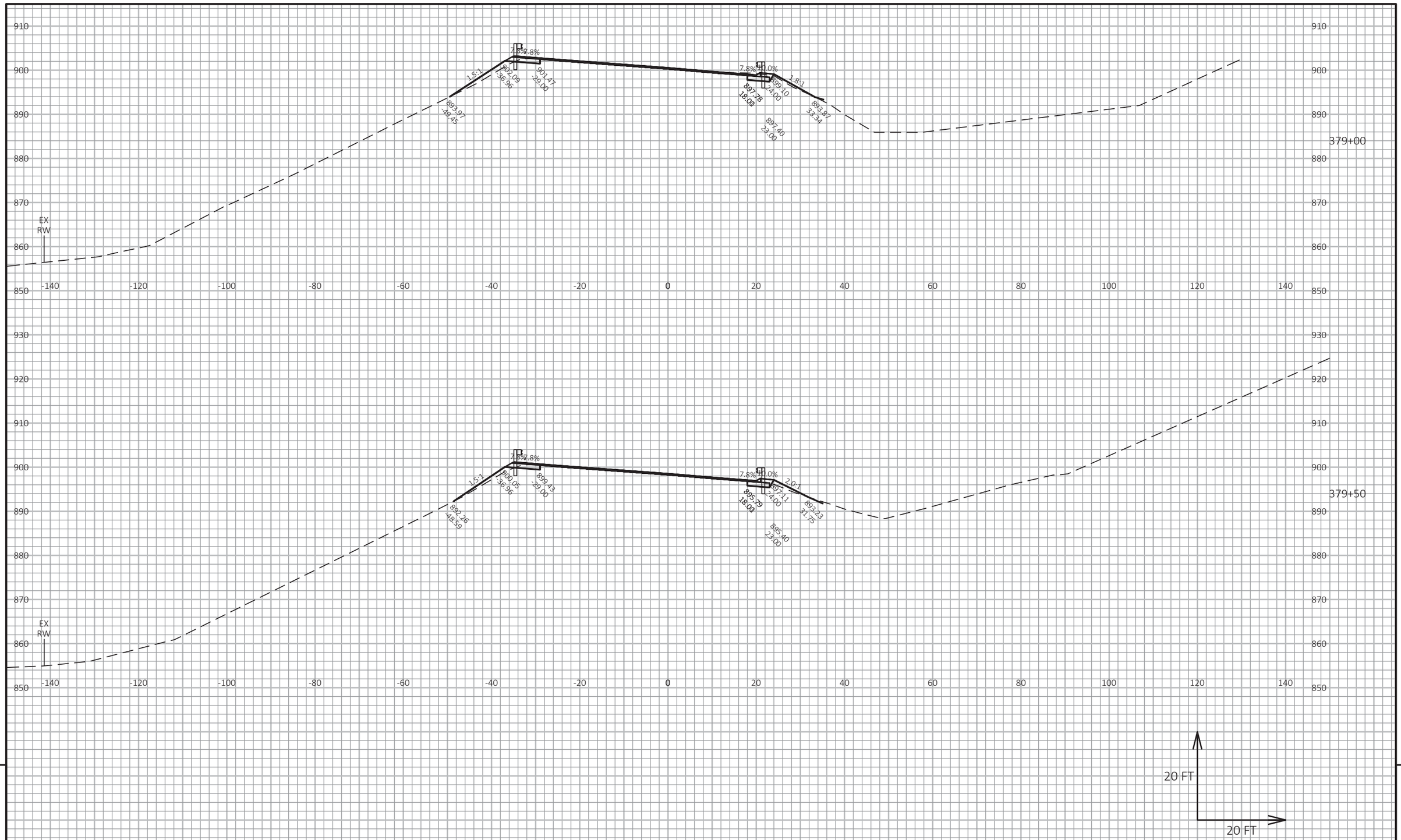


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 36

PLOT DATE : 7/2/2019 2:08 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

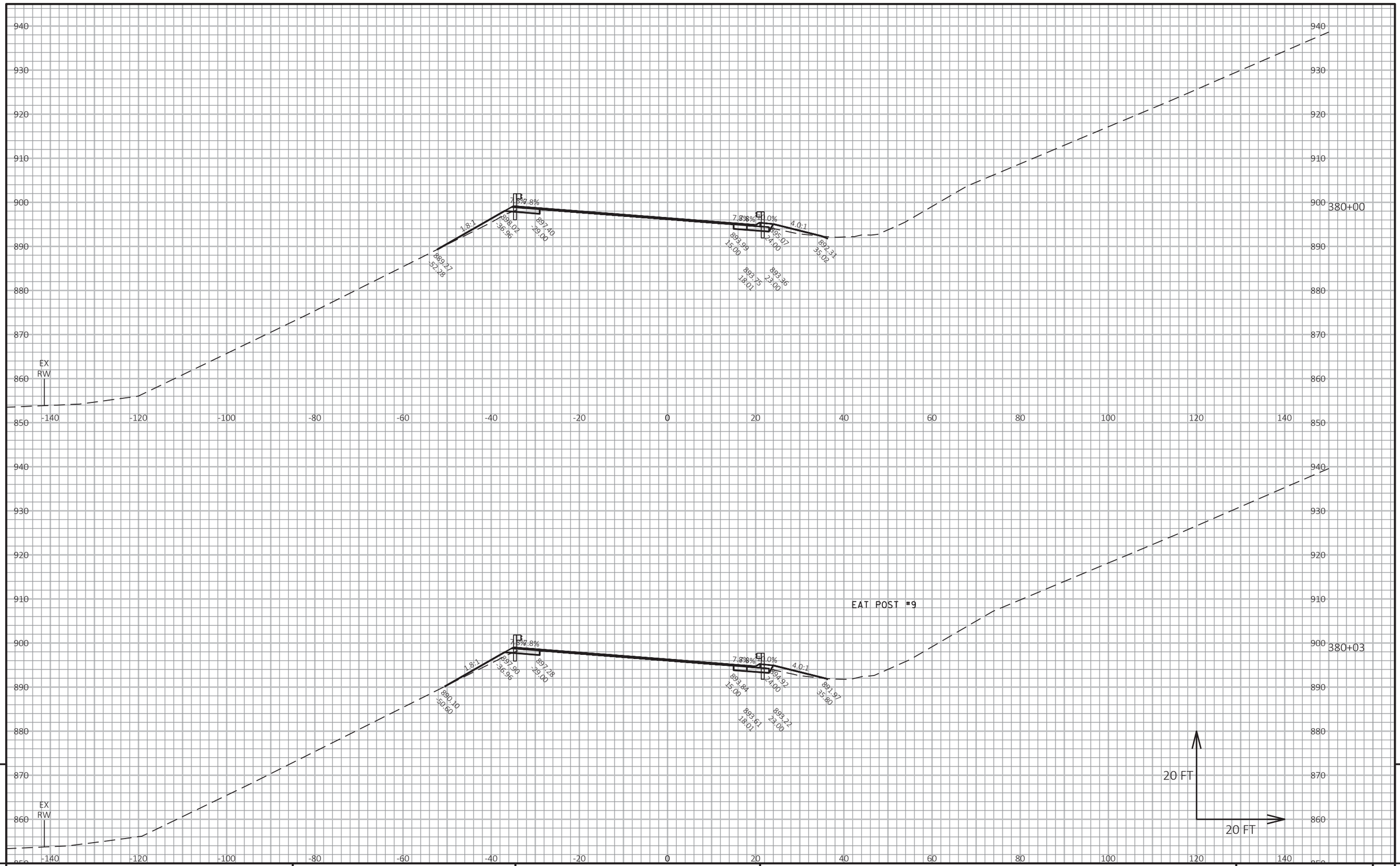
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 37

PLOT DATE : 7/2/2019 2:08 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

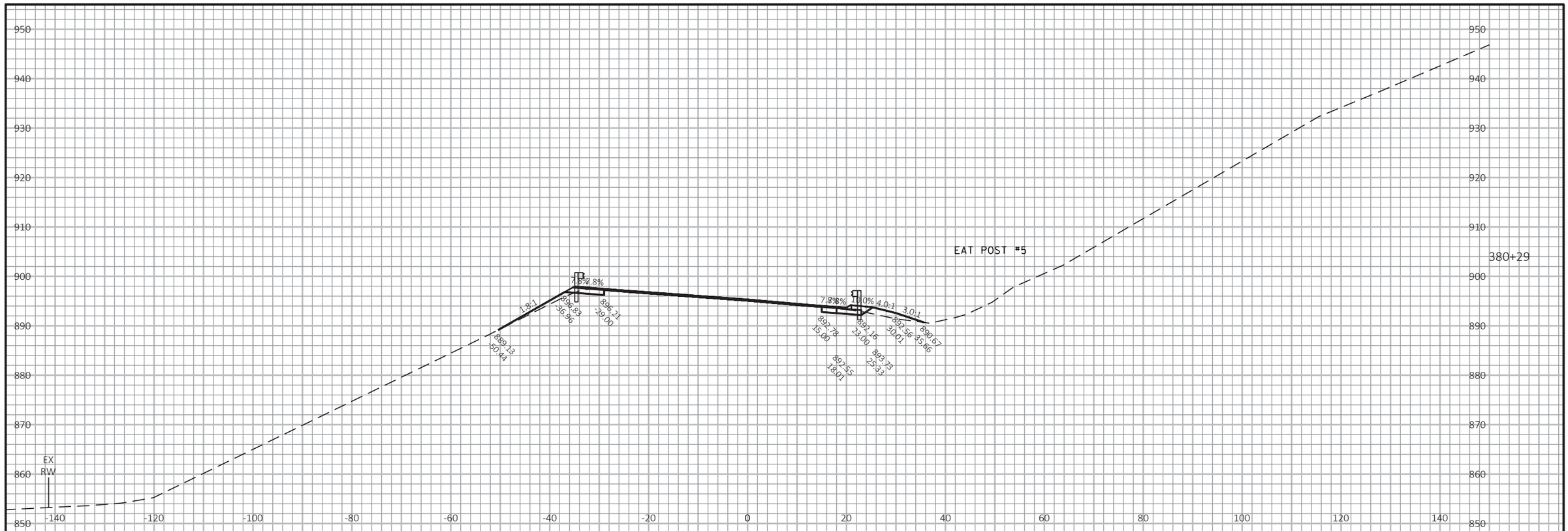
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 38

PLOT DATE : 7/2/2019 2:09 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

9

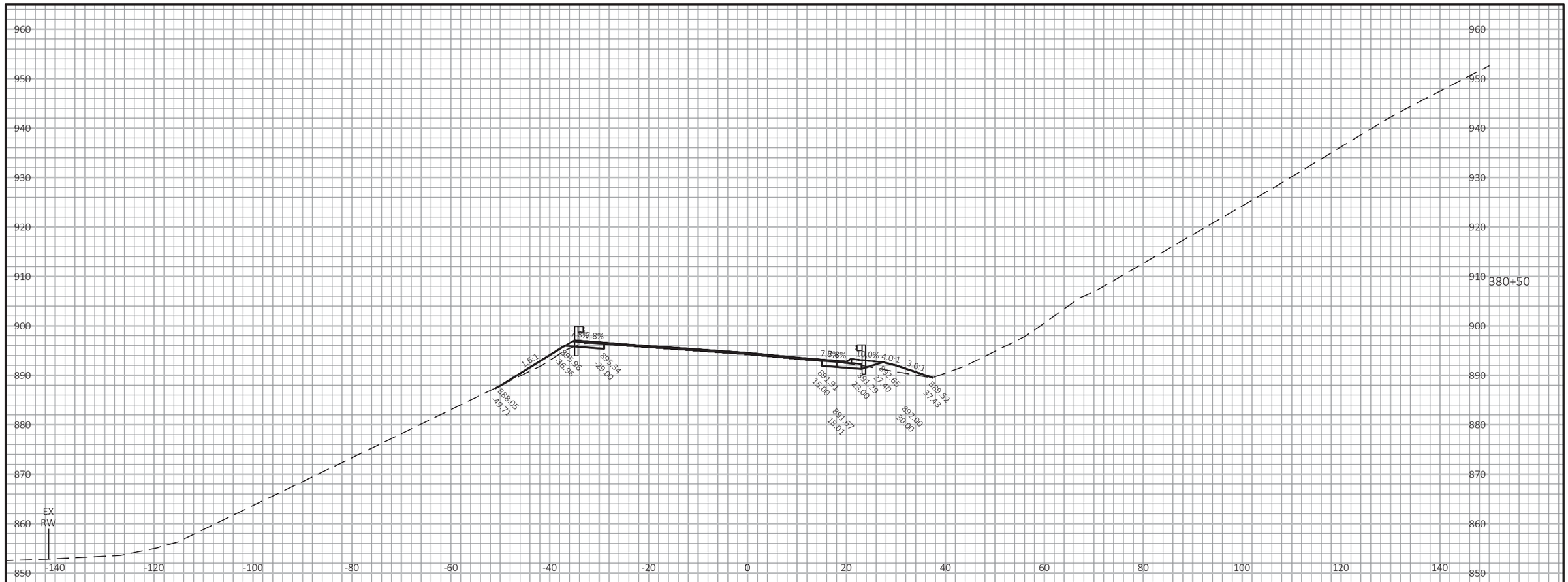
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 39

PLOT DATE : 7/2/2019 2:09 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

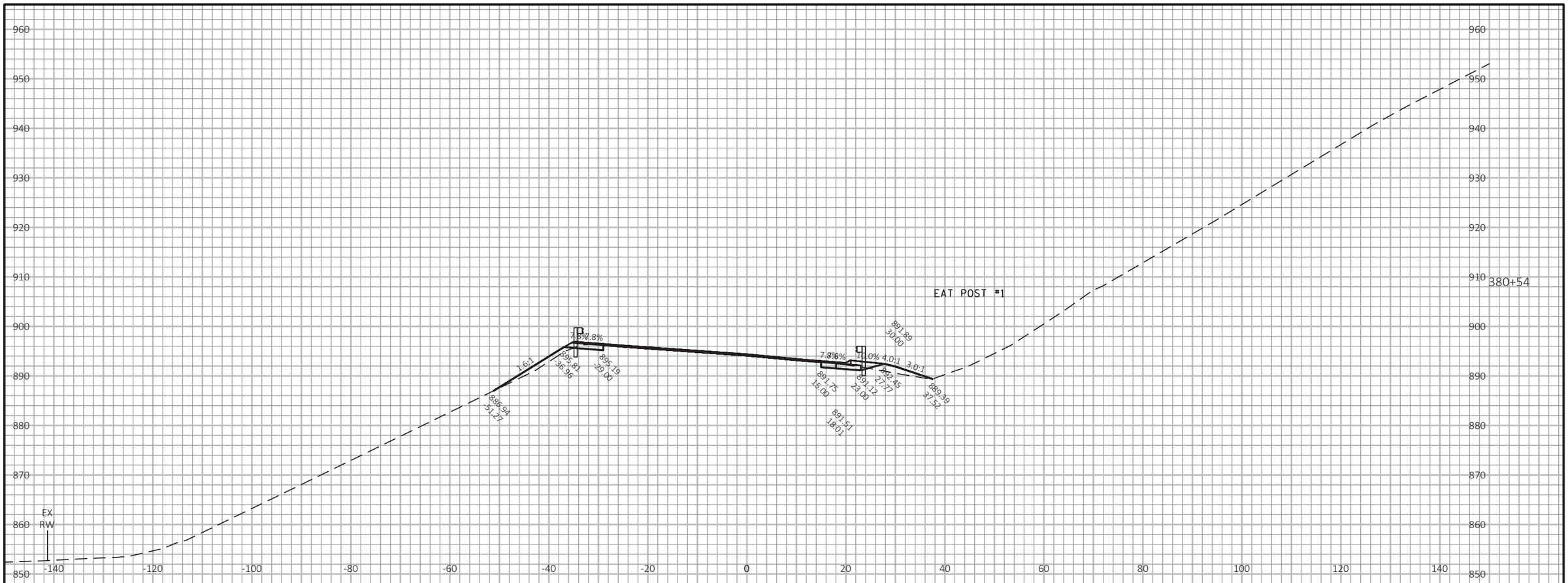
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 40

PLOT DATE : 7/2/2019 2:09 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 41

PLOT DATE : 7/2/2019 2:10 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

960
950
940
930
920
910
900
890
880
870
860
850

EX RW

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

381+00

7.8% 7.8% 7.8% 7.8%

4.0:1

894.19
-52.08

894.03
-36.96

893.41
-29.00

889.96
15.00

887.86
35.21

888.62
32.19

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 42

PLOT DATE : 7/2/2019 2:10 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

960
950
940
930
920
910
900
890
880
870
860
850

EX
RW

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

381+50

7.8%
7.8%
5:1
5:1
892.03
-36.96
891.41
-29.00
883.48
-50.11
7.8%
7.8%
6.0:1
887.86
15.00
886.77
28.91
886.30
31.77

20 FT
20 FT

9

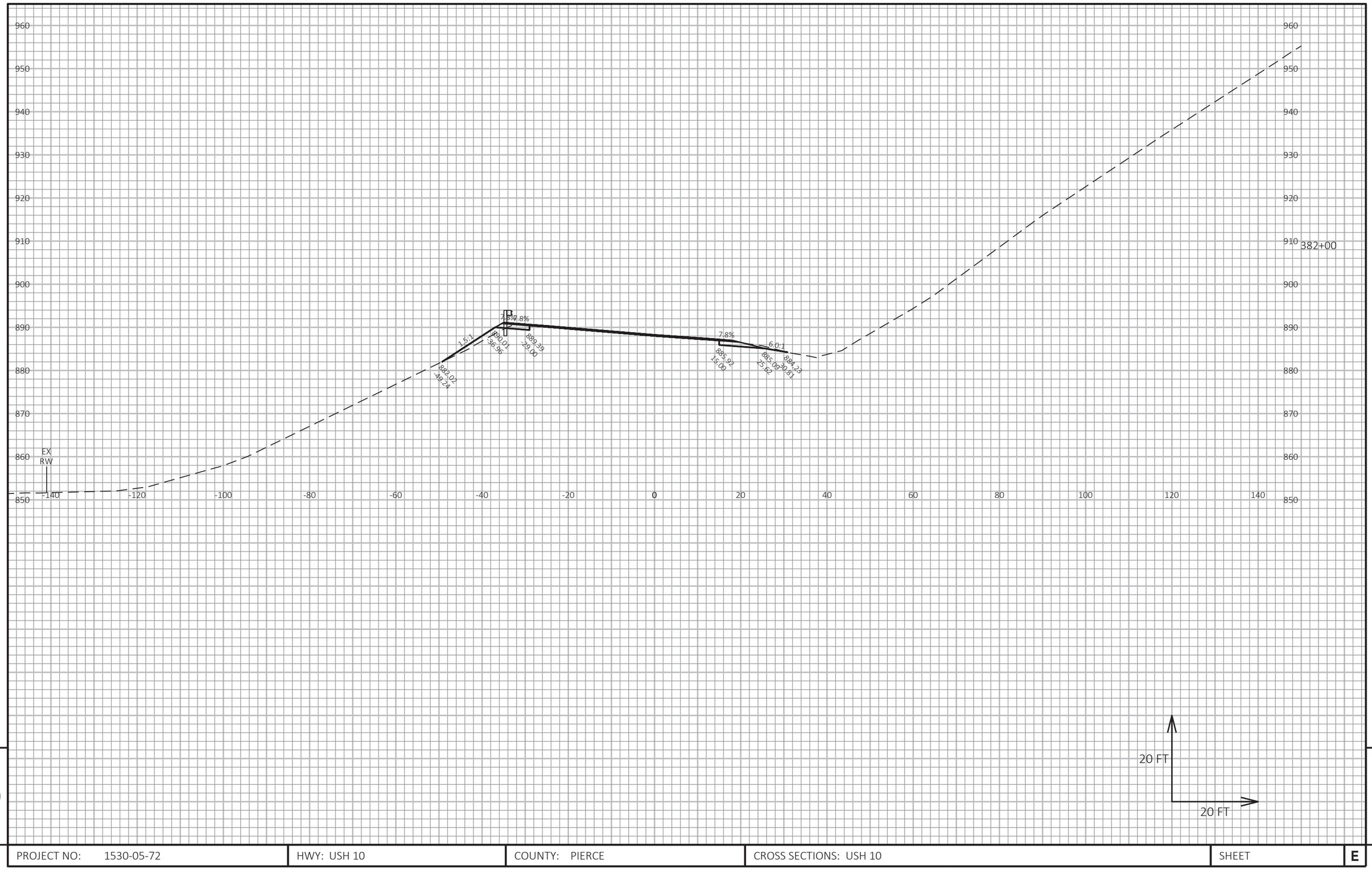
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 43

PLOT DATE : 7/2/2019 2:11 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 44

PLOT DATE : 7/2/2019 2:11 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

960
950
940
930
920
910
900
890
880
870
860
850

EX RW

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

382+03

BEGIN EAT TAPER

7.8%
-2.5:1
886.87
36.96
7.8%
889.25
29.00
7.8%
6.0:1
885.79
15.00
884.98
25.39
884.03
31.07
382.05
48.97

20 FT
20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 45

PLOT DATE : 7/2/2019 2:11 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

960
950
940
930
920
910
900
890
880
870
860
850

EX
RW

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

382+50

878.29
-54.10

7.8%
-7.8%
888.08
-36.96

887.46
29.00

20 FT
20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 46

PLOT DATE : 7/2/2019 2:12 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

950
940
930
920
910
900
890
880
870
860
850

EX
RW

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

383+00

879.65
47.71

7.8%
36.9%

885.79
36.96

885.17
29.00

20 FT
20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 47

PLOT DATE : 7/2/2019 2:12 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

950
940
930
920
910
900
890
880
870
860
850

EX
RW

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

383+50

879.61
-44.28

883.85
-36.85

883.23
-28.90

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 48

PLOT DATE : 7/2/2019 2:13 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

950
940
930
920
910
900
890
880
870
860
850

EX
RW

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

384+00

7.8%
881.13
-28.22
881.25
-36.17
876.55
-41.78

20 FT
20 FT

9

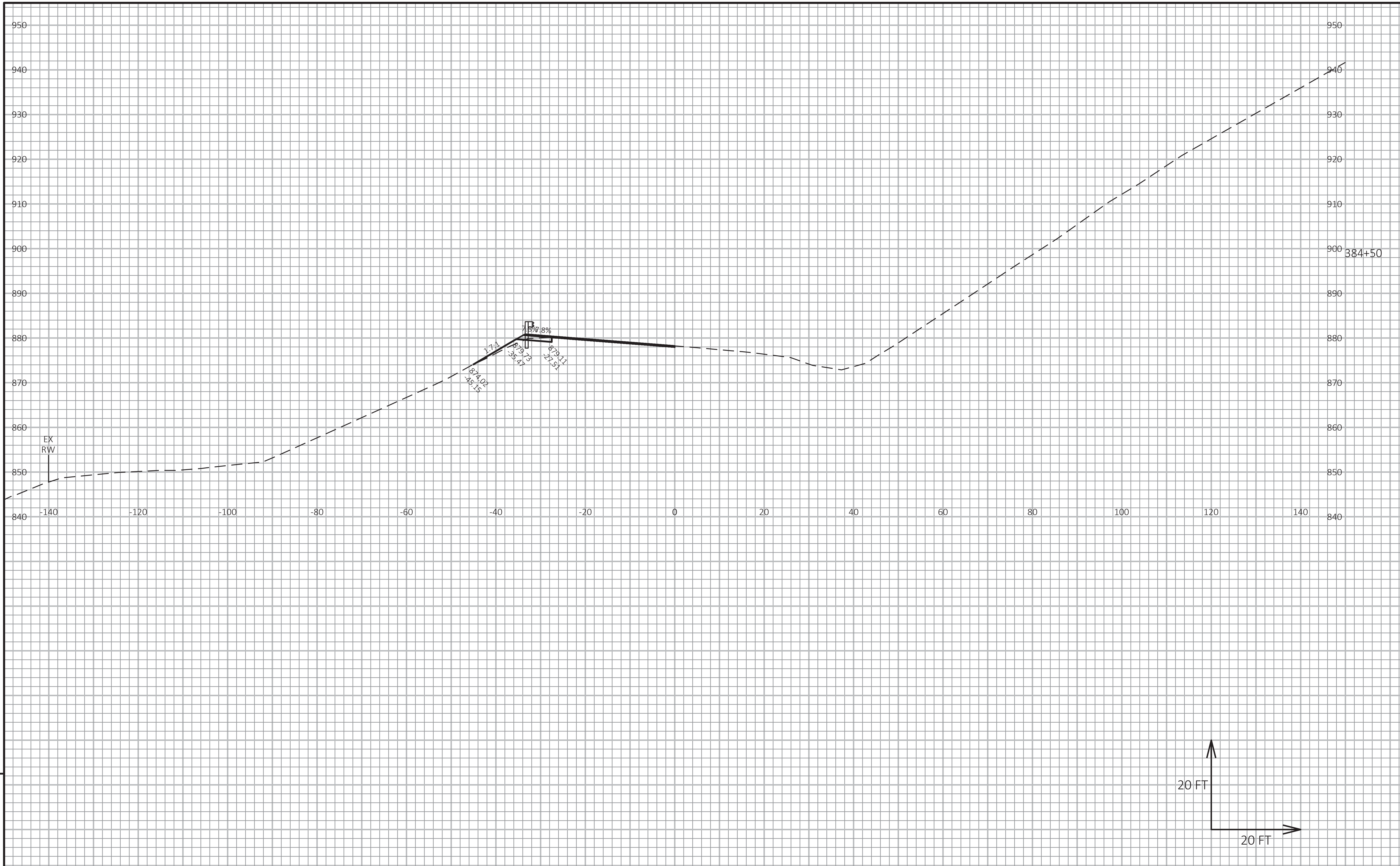
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 49

PLOT DATE : 7/2/2019 2:13 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

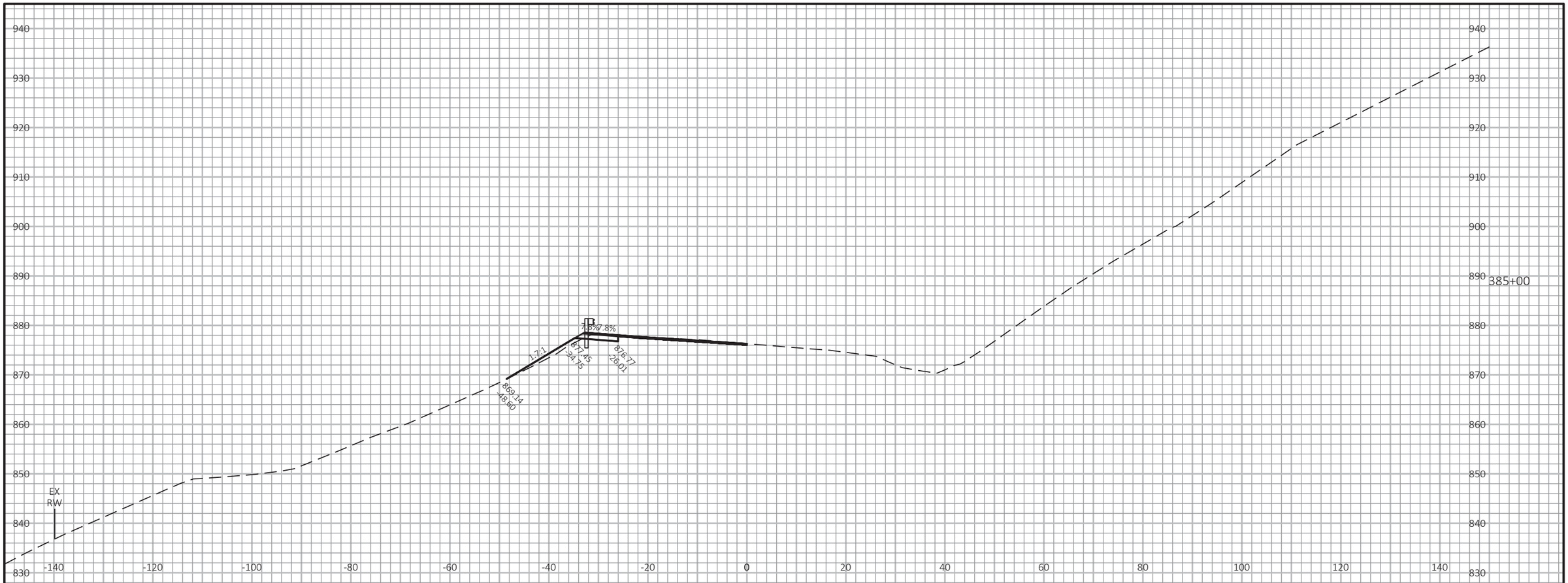


9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 50
PLOT DATE : 7/2/2019 2:14 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

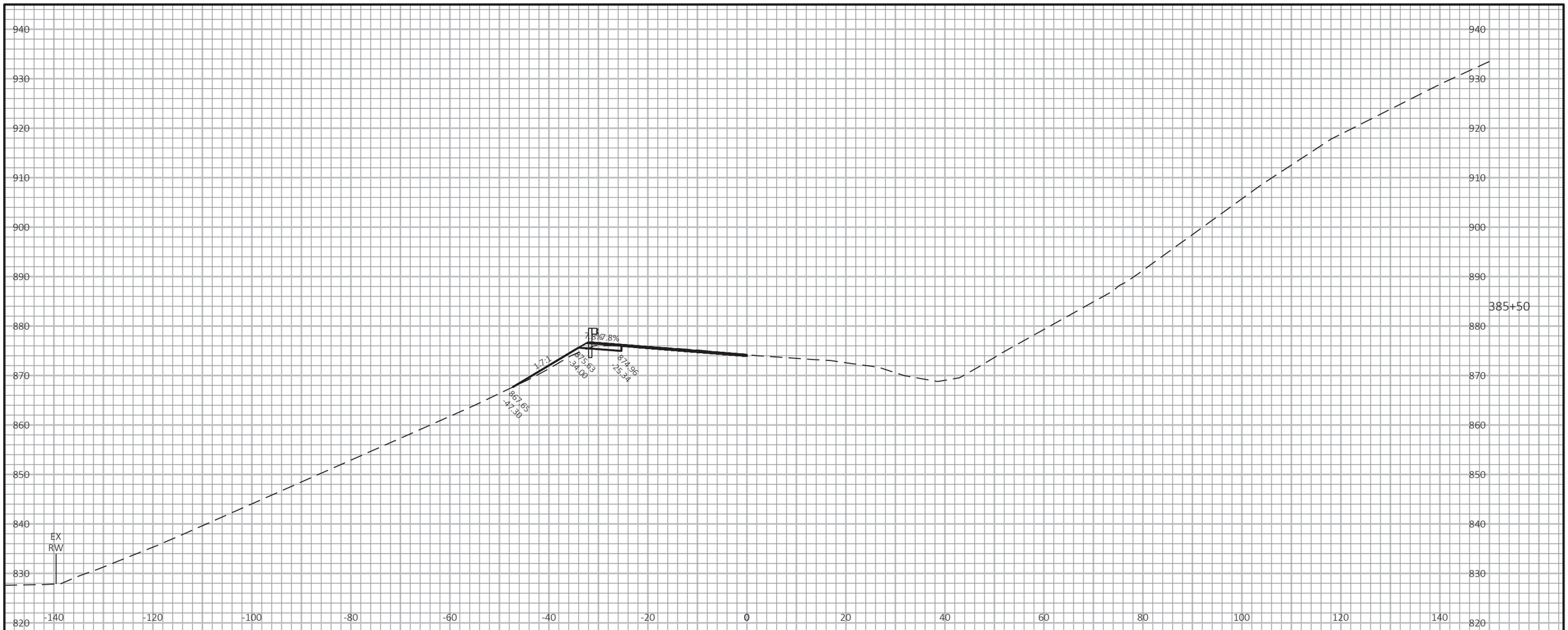
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 51

PLOT DATE : 7/2/2019 2:14 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 52

PLOT DATE : 7/2/2019 2:14 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

930
920
910
900
890
880
870
860
850
840
830
820

EX
RW

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

386+00

872.42
39.60

872.16
25.51

873.71
31.24

20 FT

20 FT

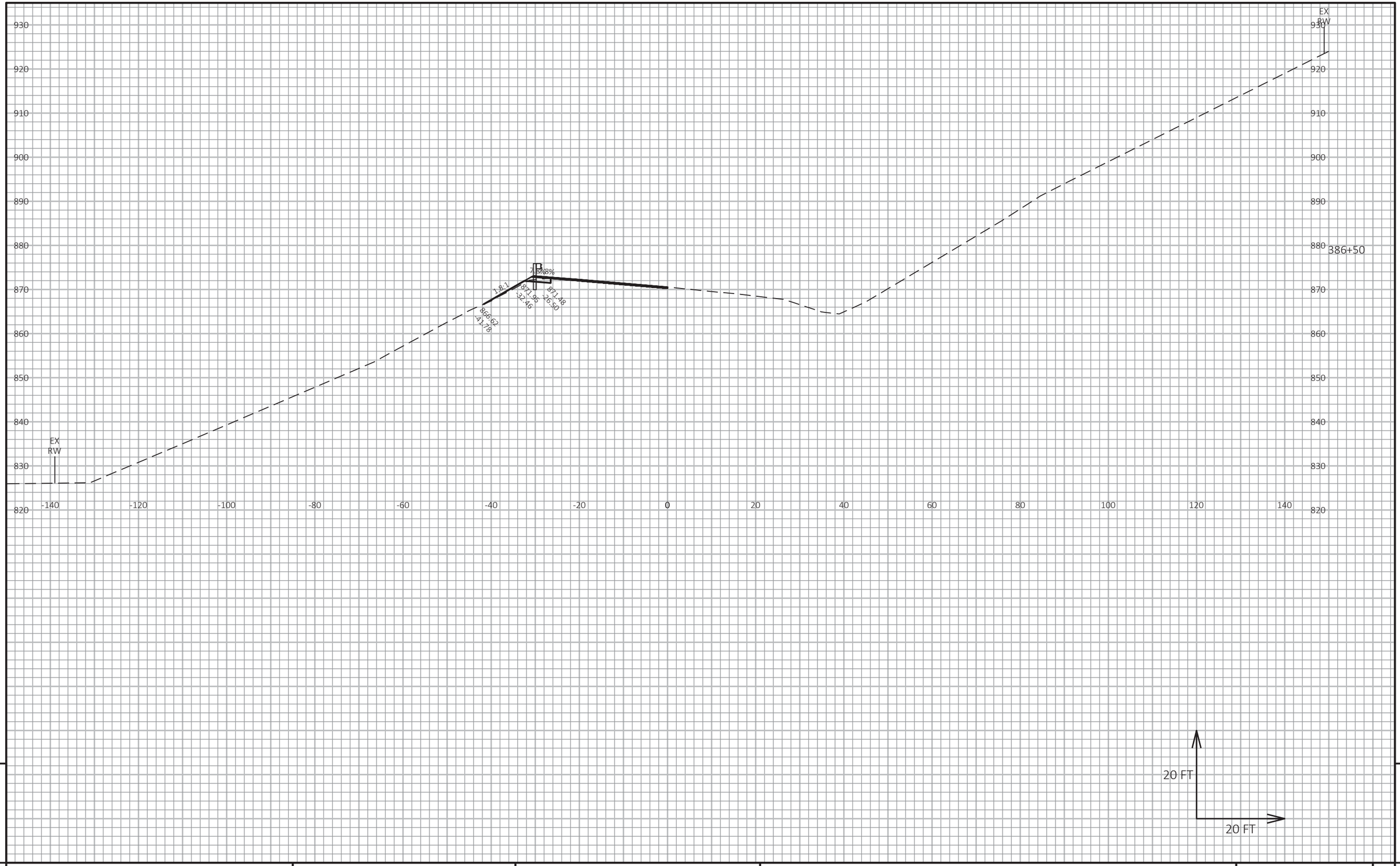
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 53

PLOT DATE : 7/2/2019 2:15 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 54

PLOT DATE : 7/2/2019 2:15 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

930
920
910
900
890
880
870
860
850
840
830
820

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

EX RW

387+00

2.0%
869.54
-31.90
867.27
-36.45
869.05
25.70

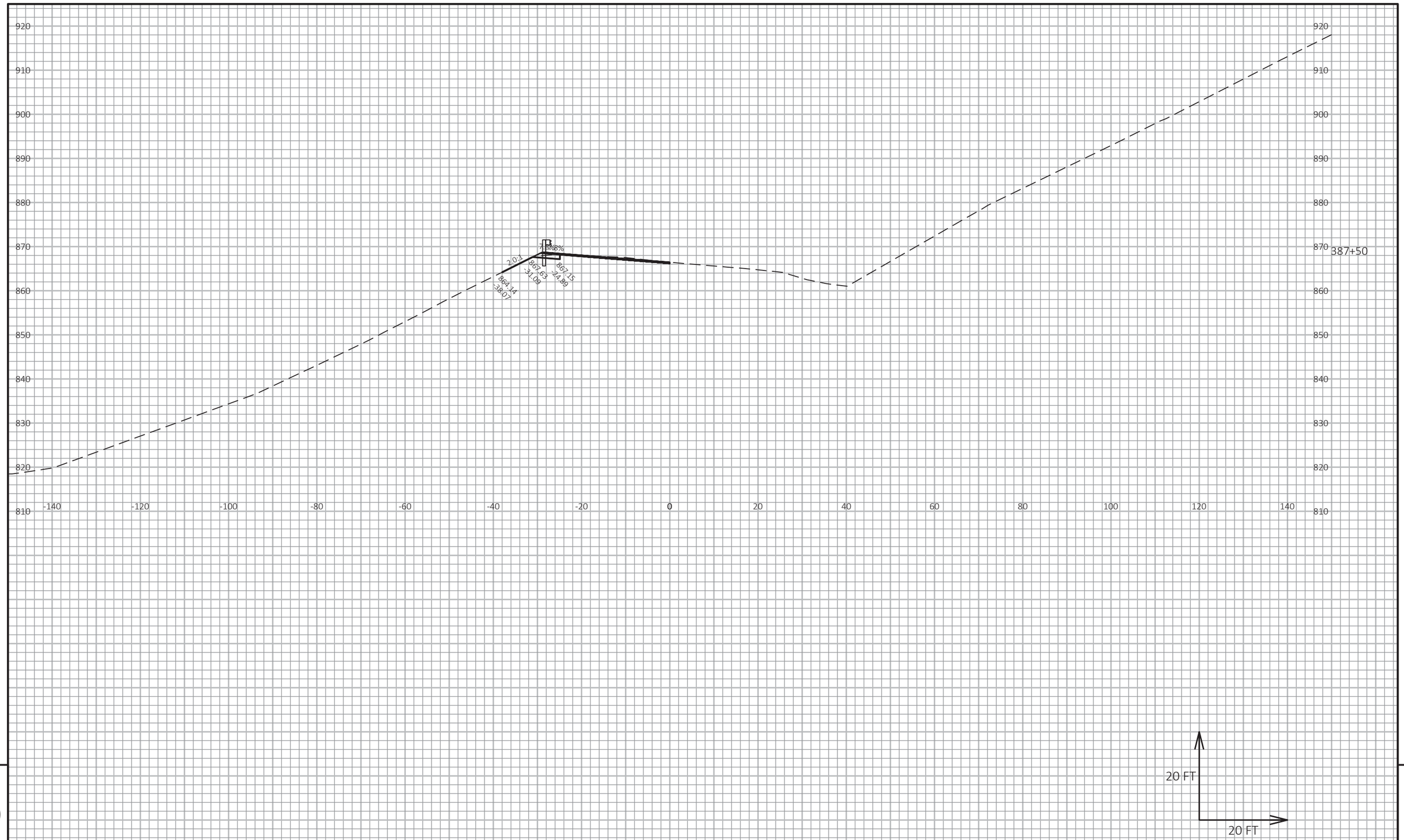
20 FT
20 FT

9 9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 55

PLOT DATE : 7/2/2019 2:16 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

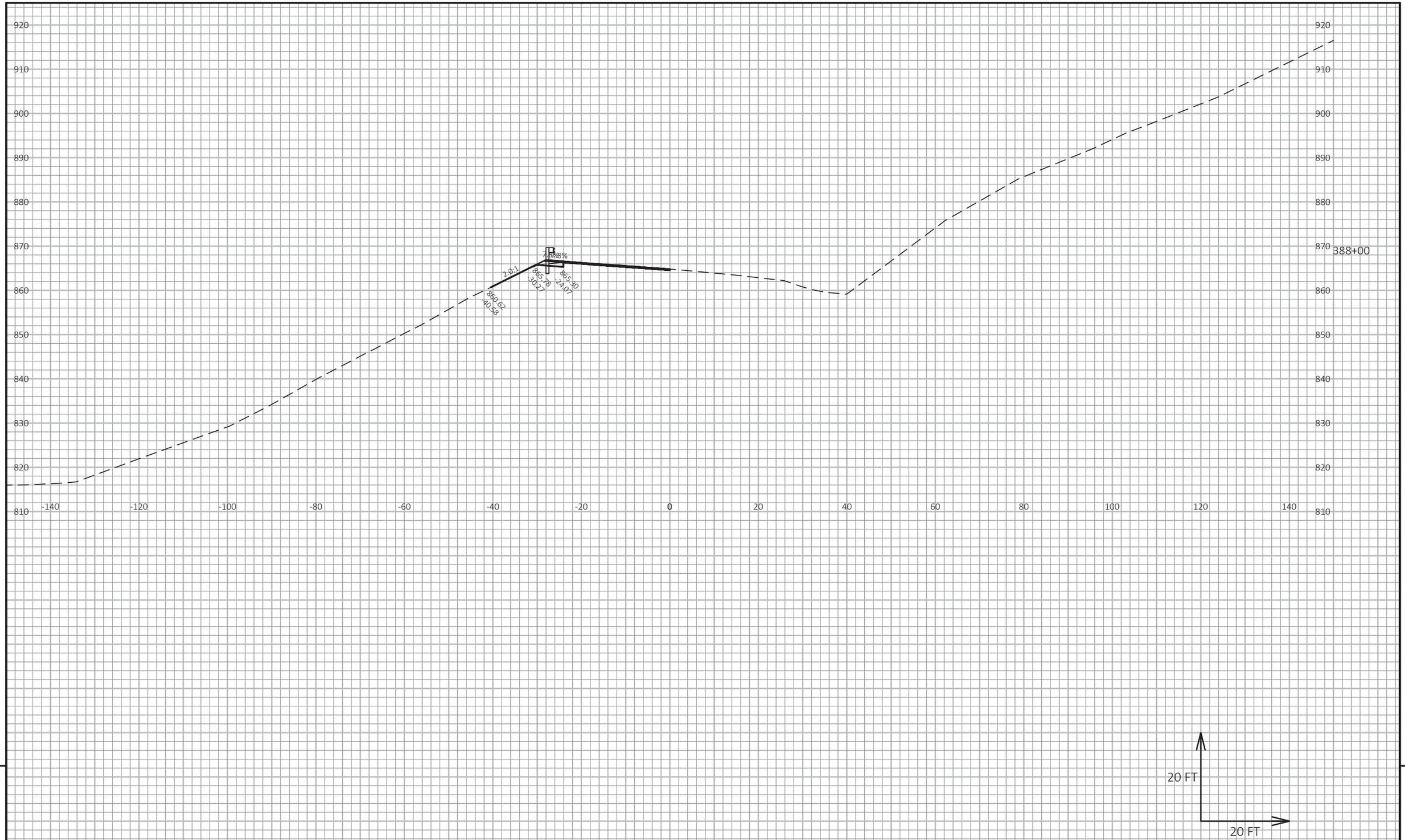
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 56

PLOT DATE : 7/2/2019 2:16 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

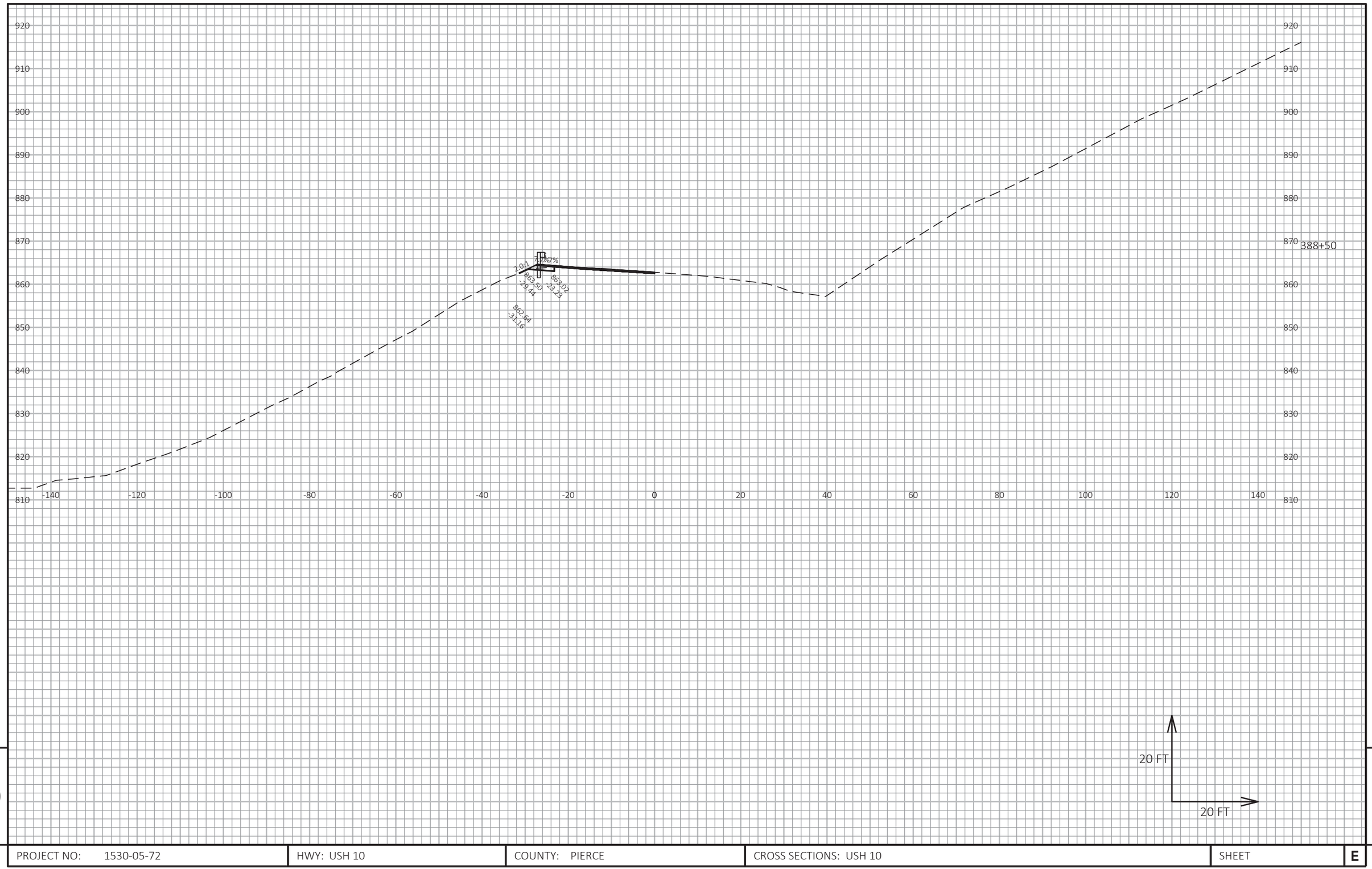
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 57

PLOT DATE : 7/2/2019 2:16 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



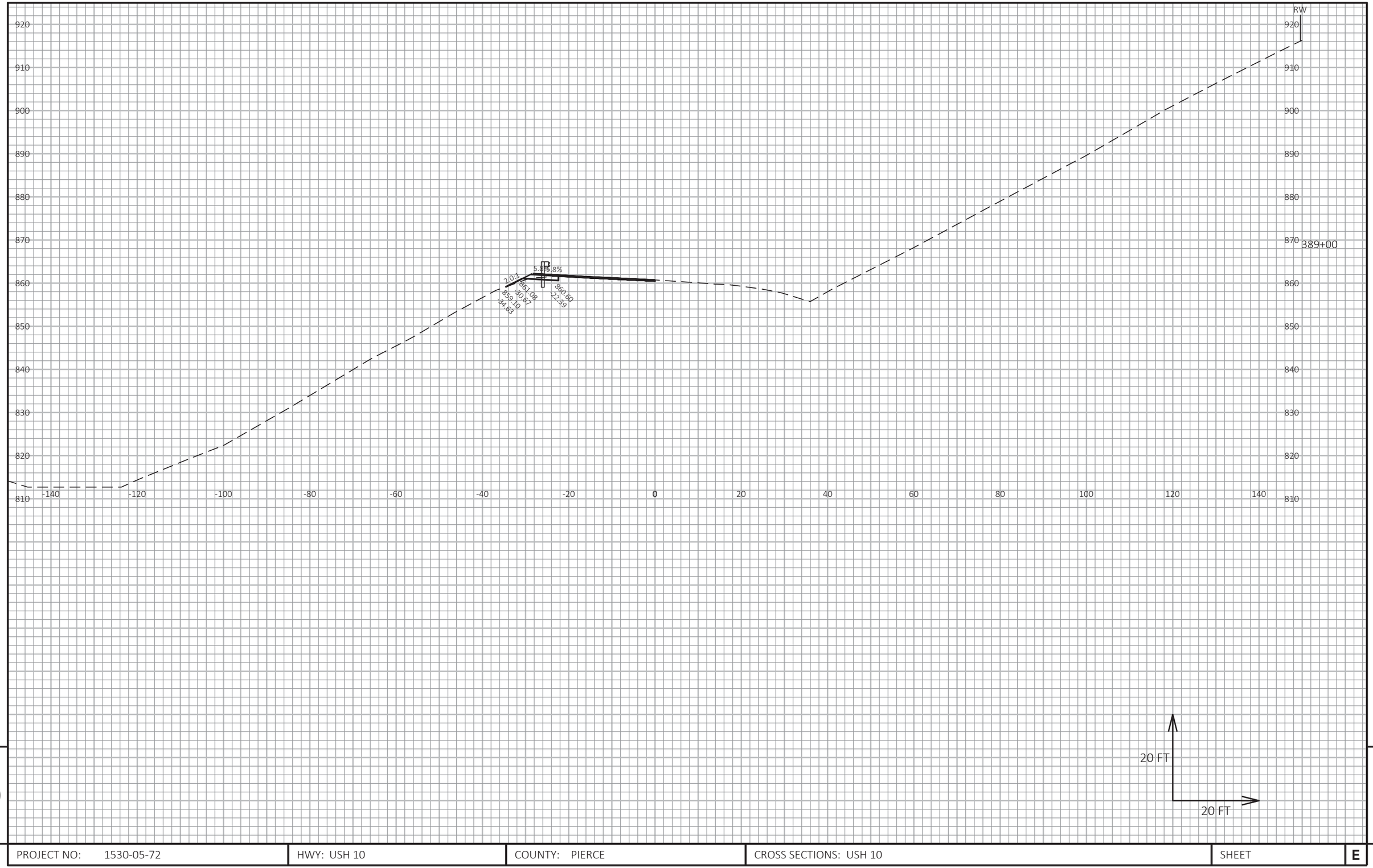
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 58

PLOT DATE : 7/2/2019 2:17 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



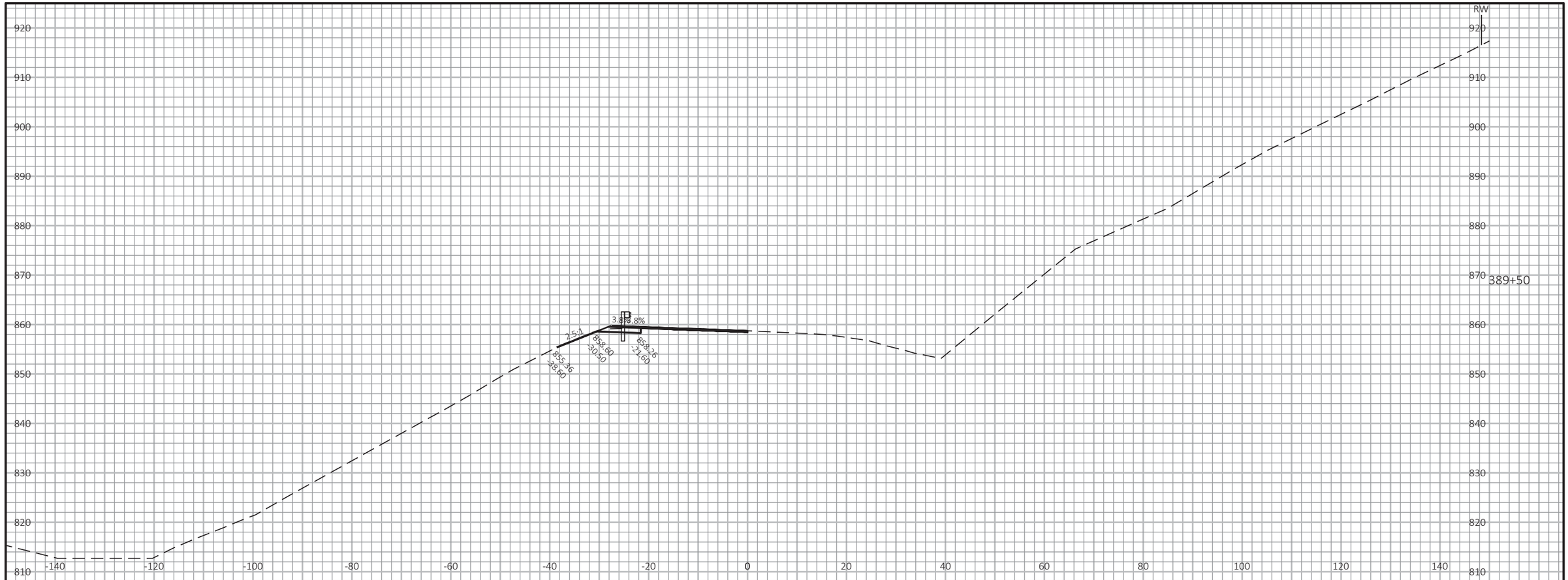
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 59

PLOT DATE : 7/2/2019 2:17 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



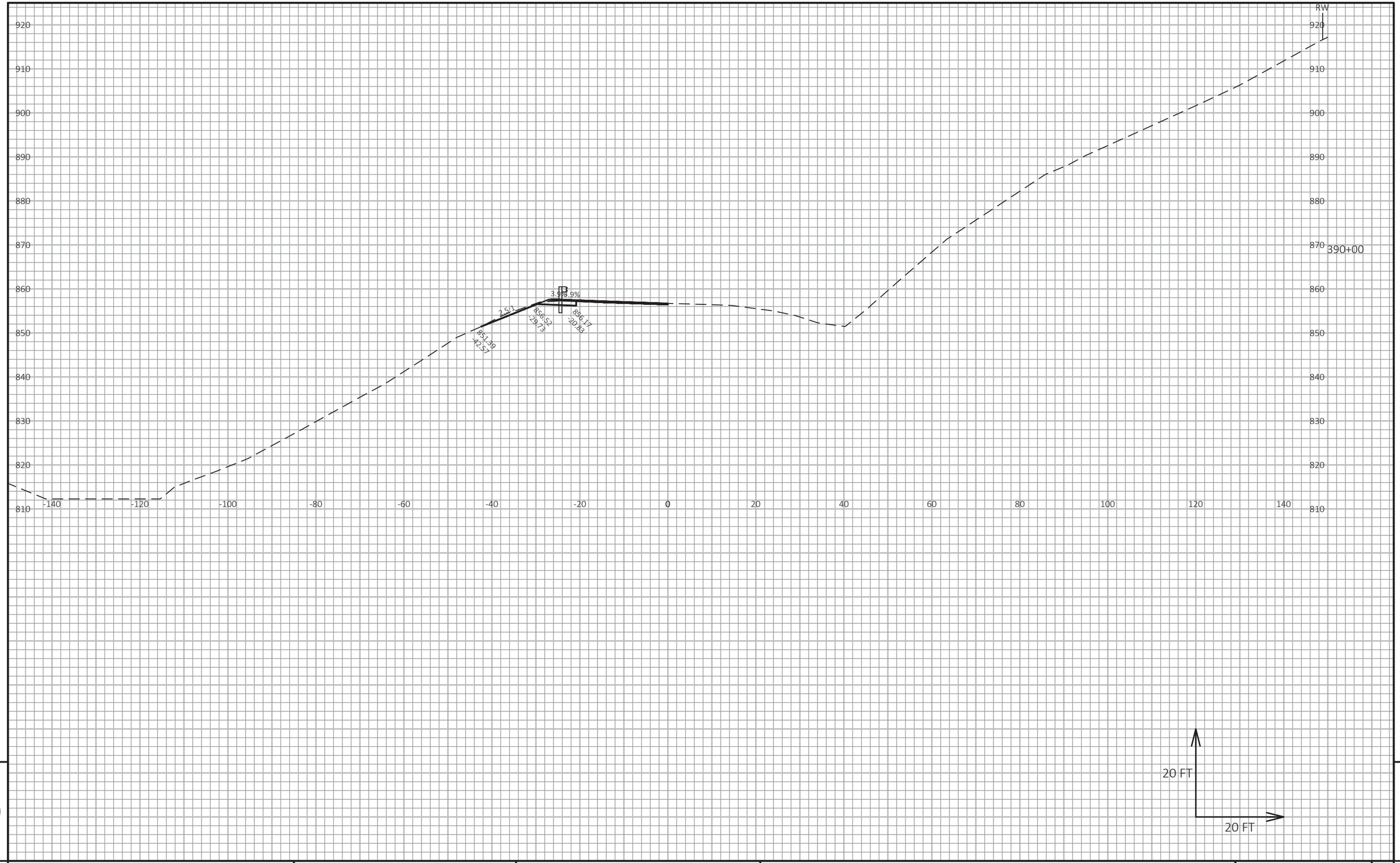
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 60

PLOT DATE : 7/2/2019 2:17 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



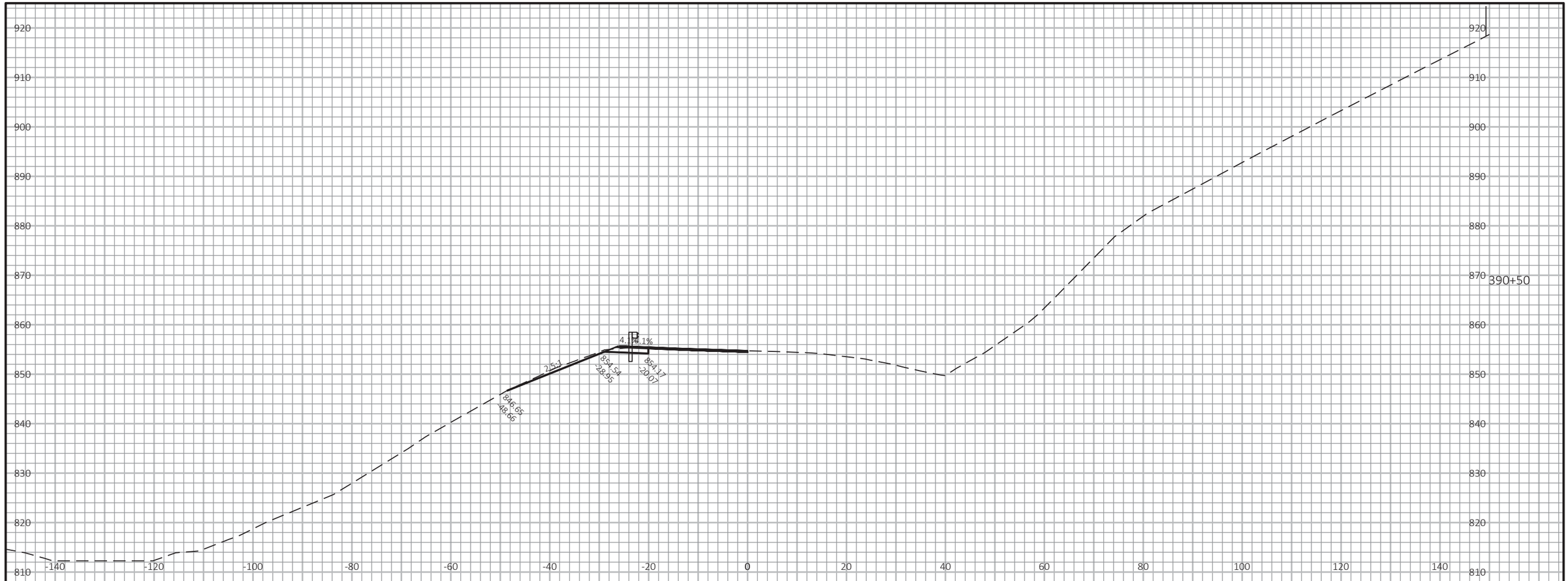
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 61

PLOT DATE : 7/2/2019 2:18 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



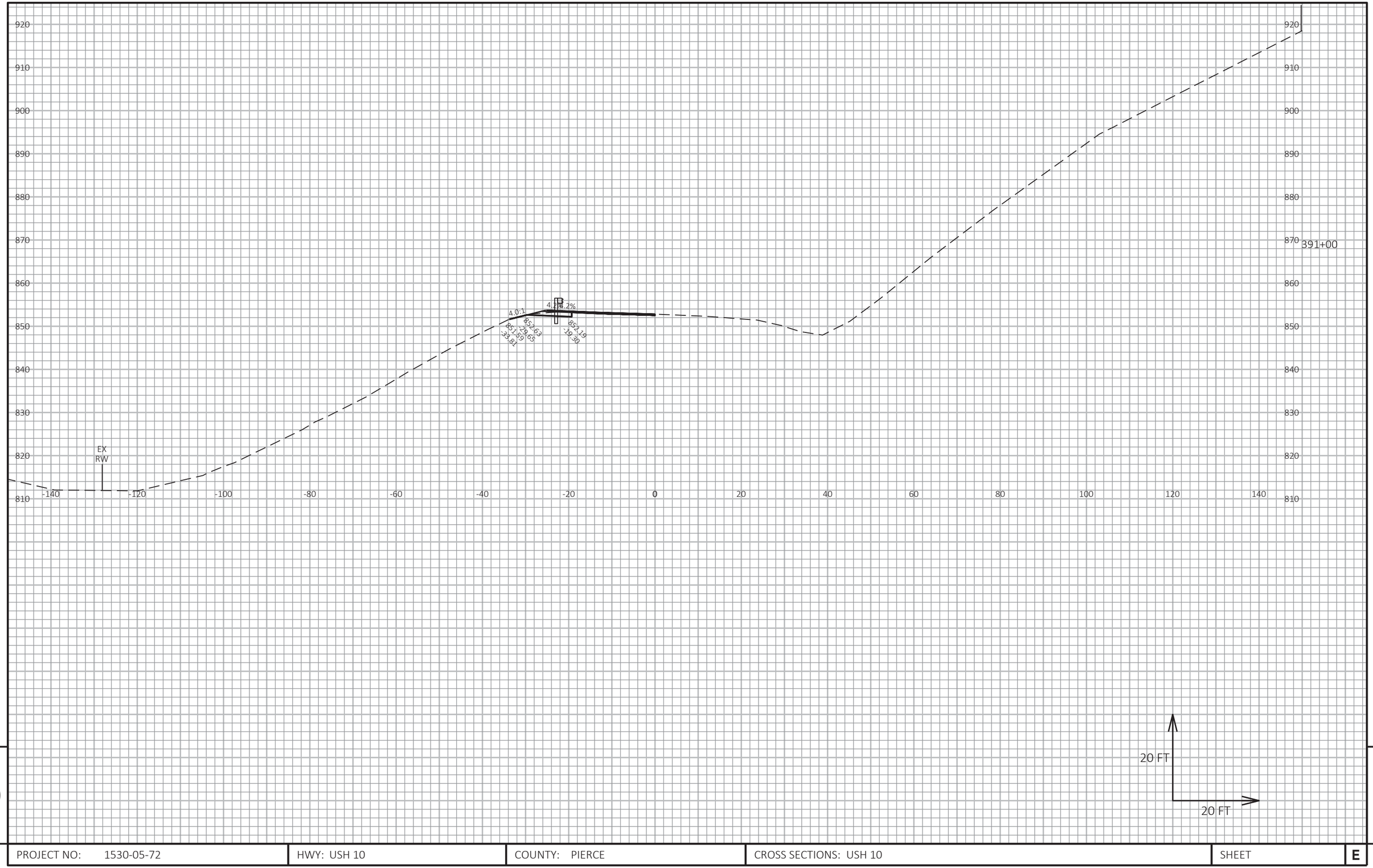
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 62

PLOT DATE : 7/2/2019 2:18 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

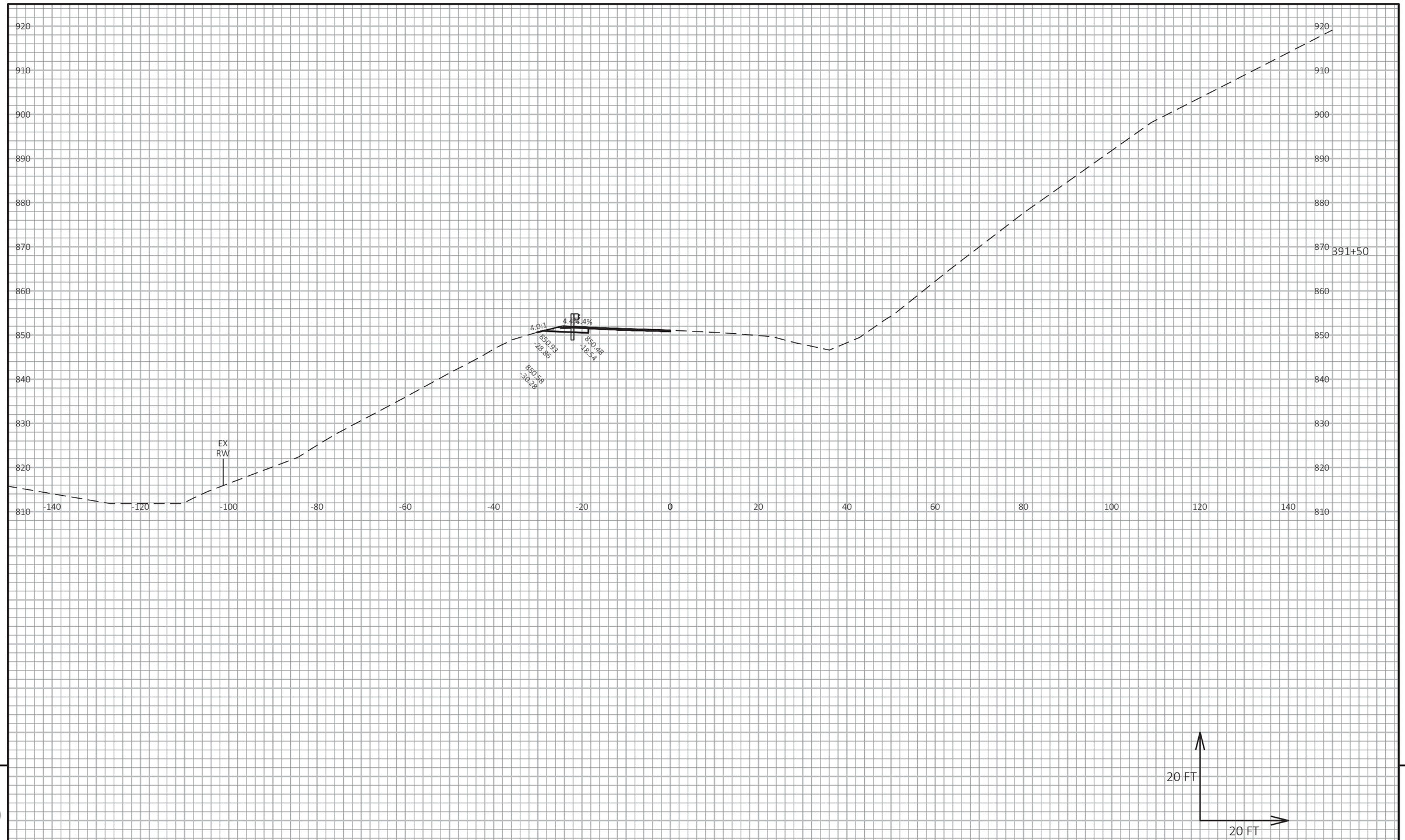


9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 63

PLOT DATE : 7/2/2019 2:19 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



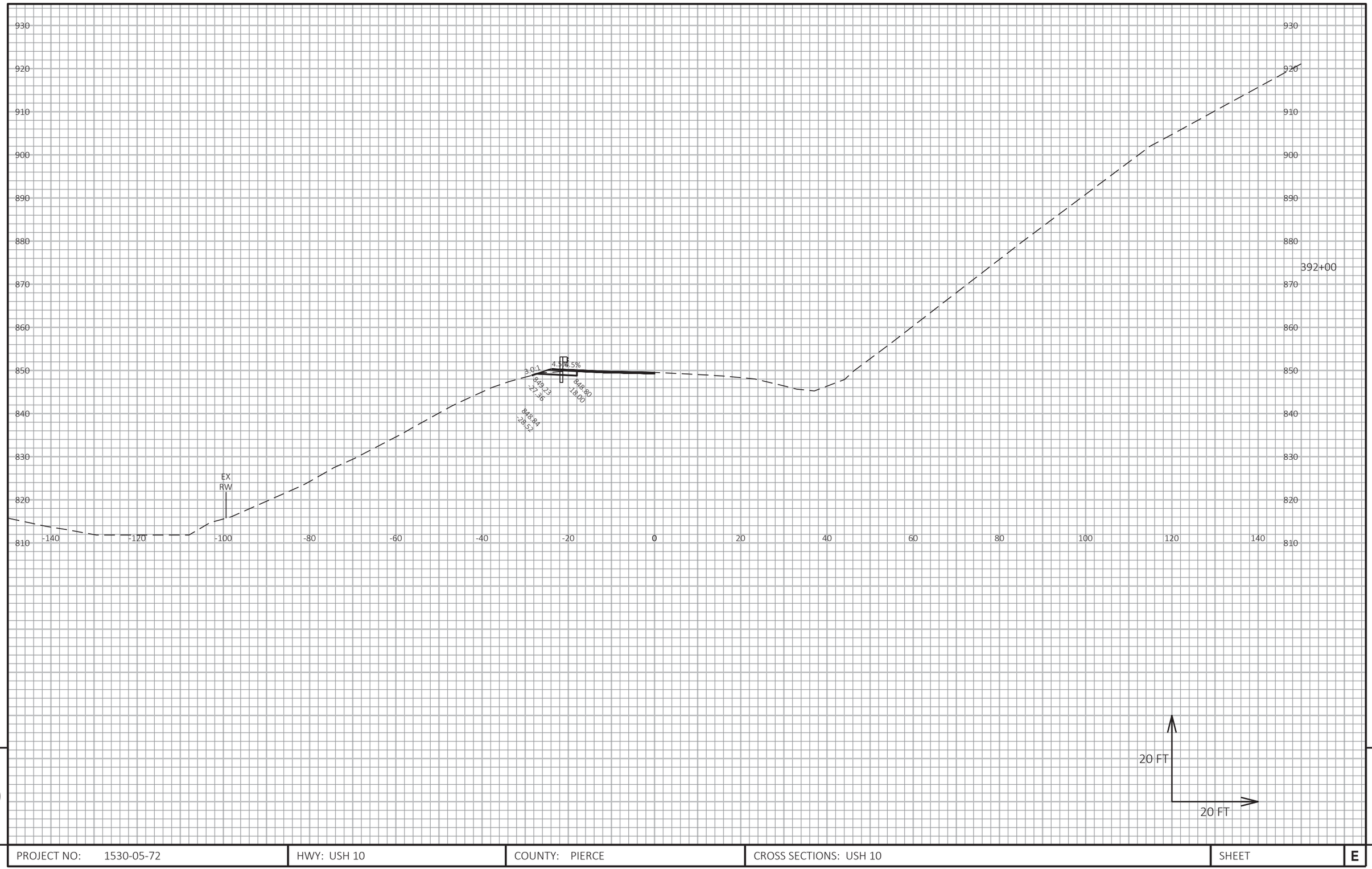
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 64

PLOT DATE : 7/2/2019 2:19 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



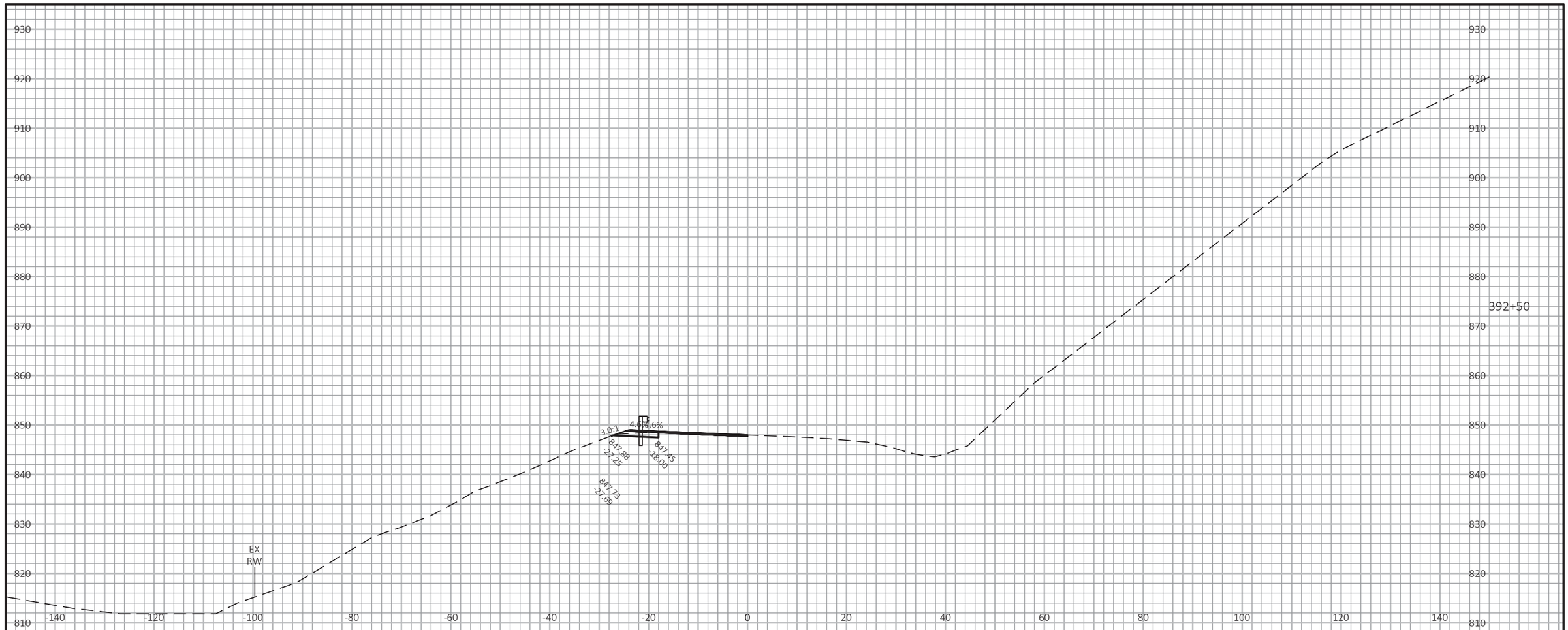
9

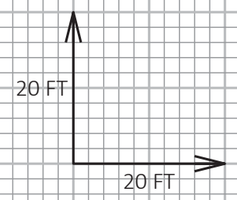
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 65

PLOT DATE : 7/2/2019 2:19 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





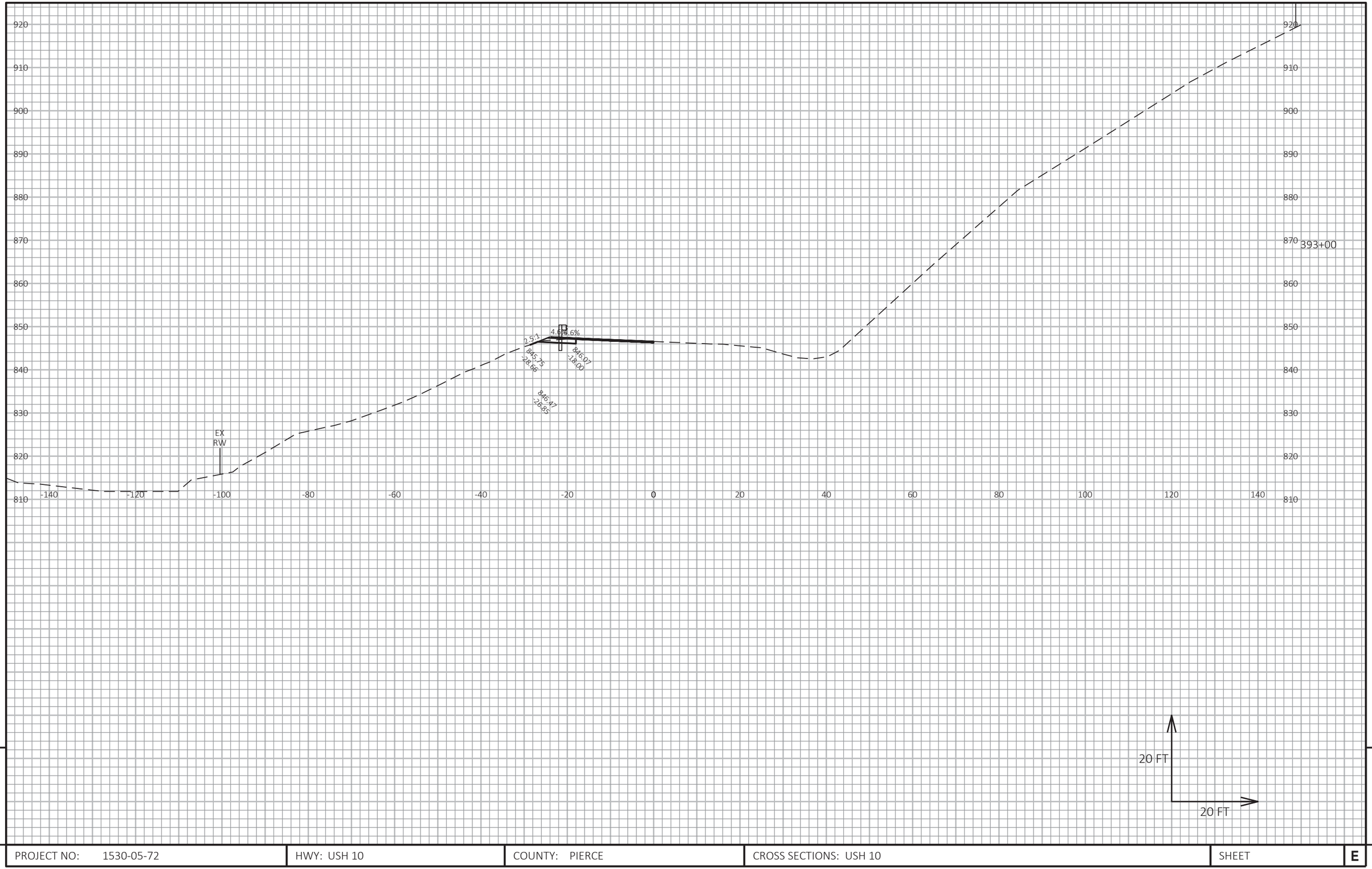
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 66

PLOT DATE : 7/2/2019 2:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



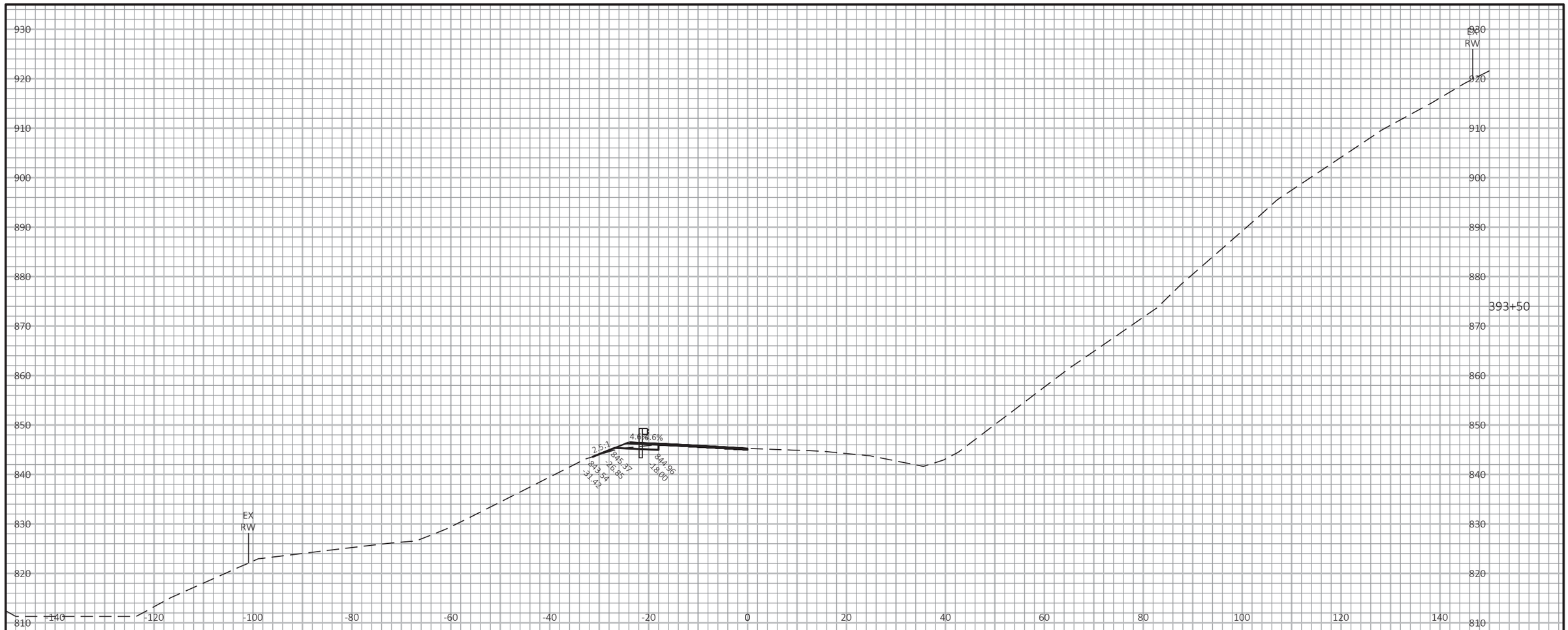
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 67

PLOT DATE : 7/2/2019 2:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



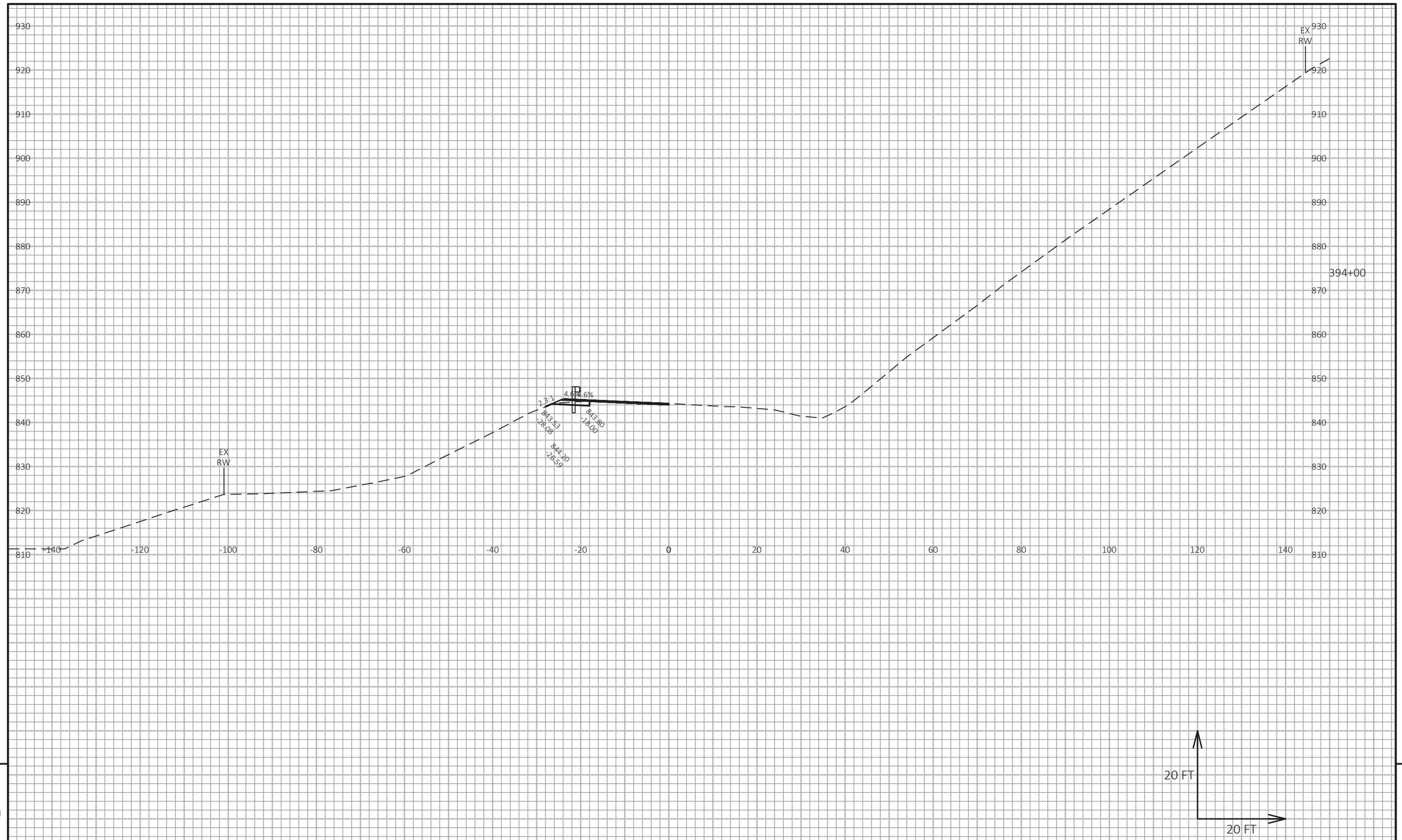
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 68

PLOT DATE : 7/2/2019 2:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



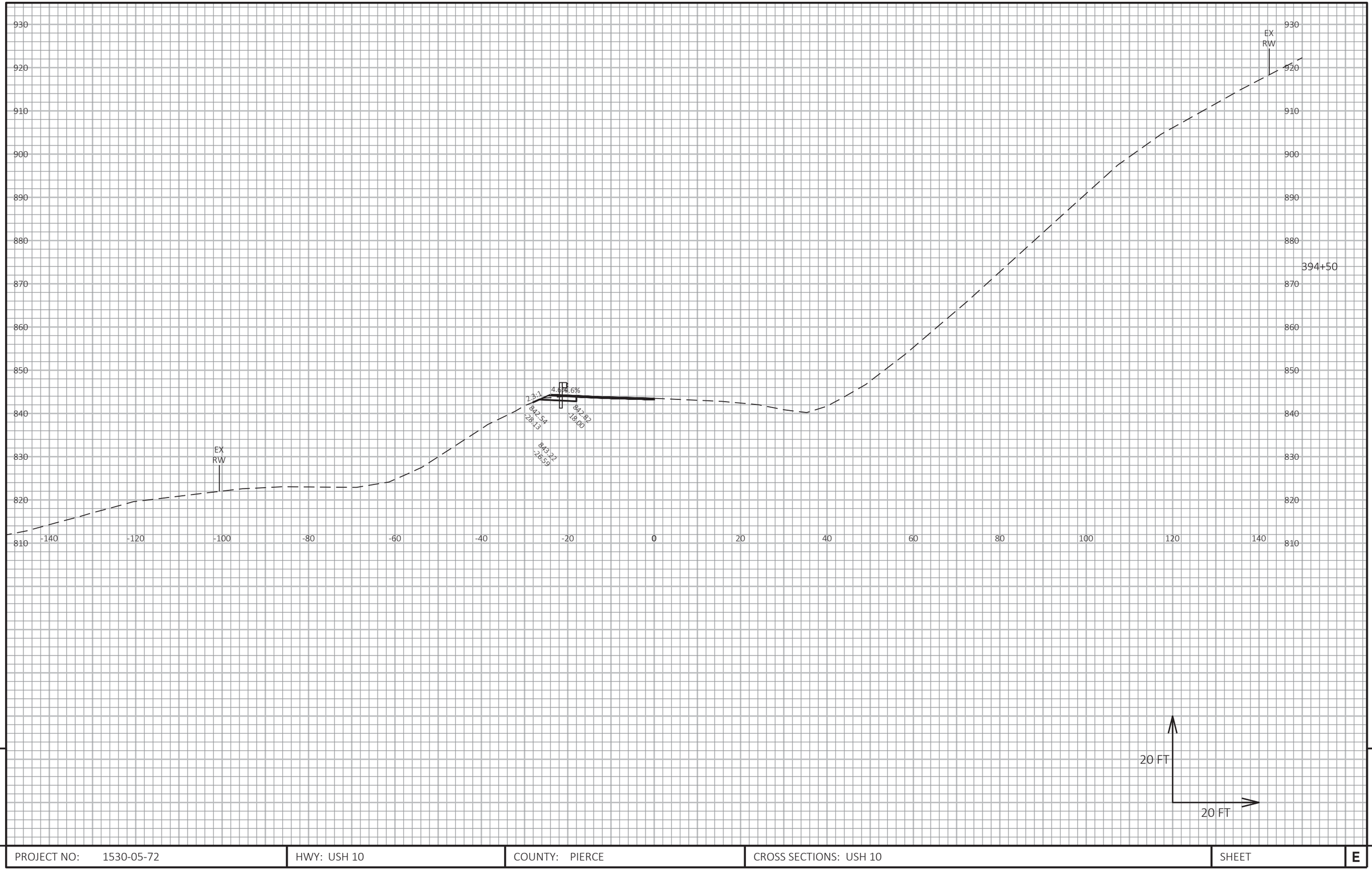
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 69

PLOT DATE : 7/2/2019 2:21 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

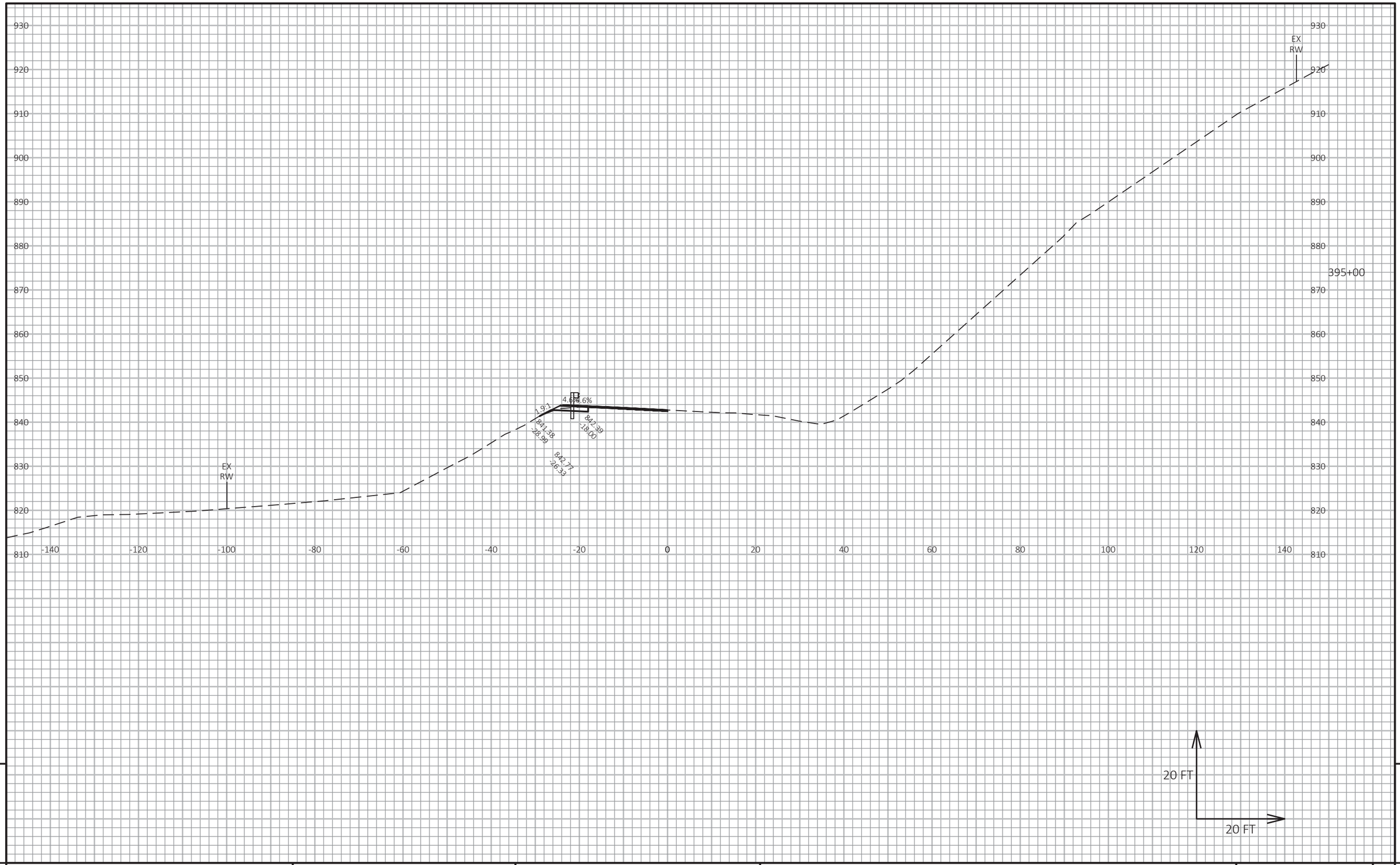


9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 70

PLOT DATE : 7/2/2019 2:21 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



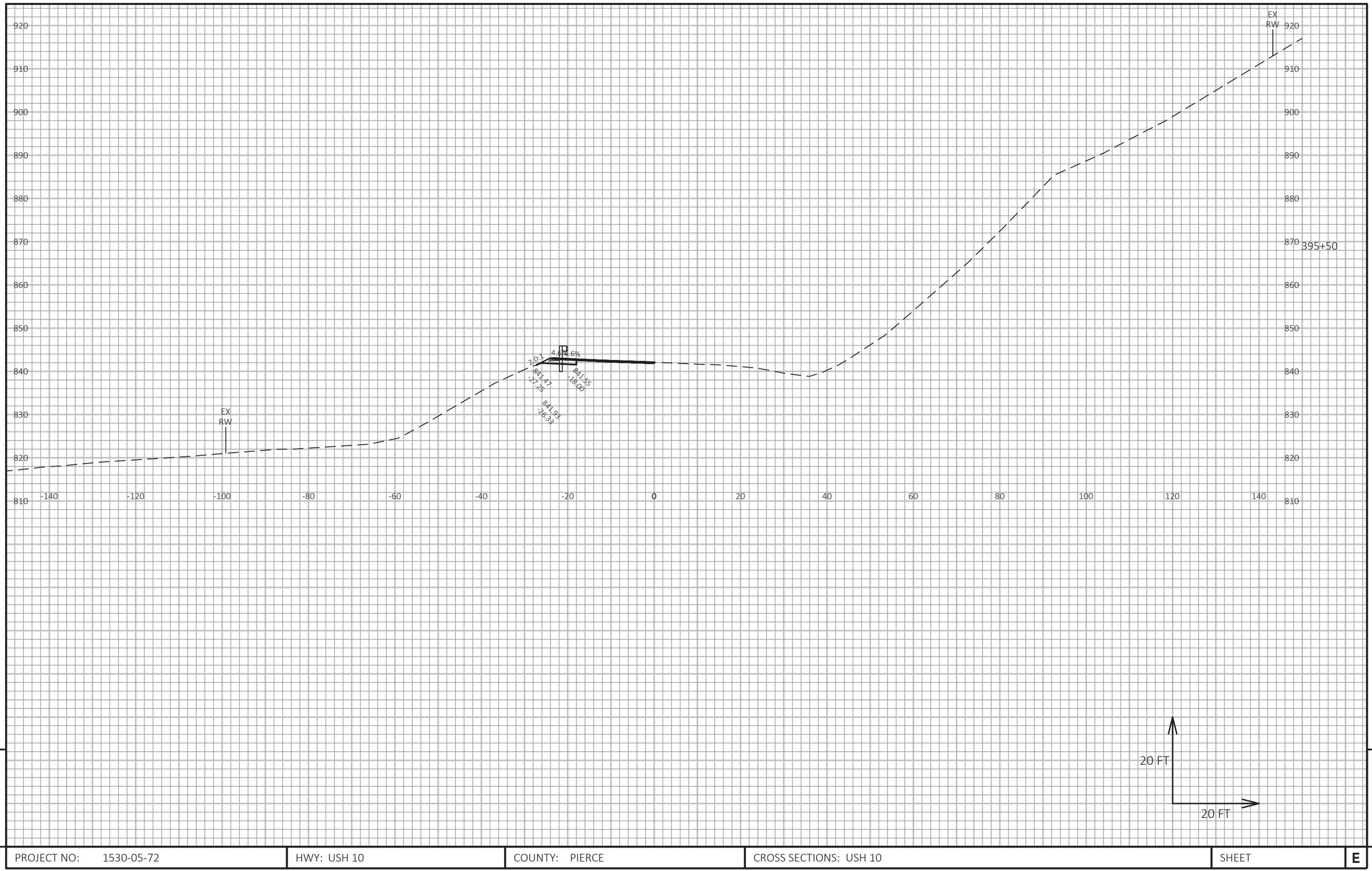
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 71

PLOT DATE : 7/2/2019 2:22 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

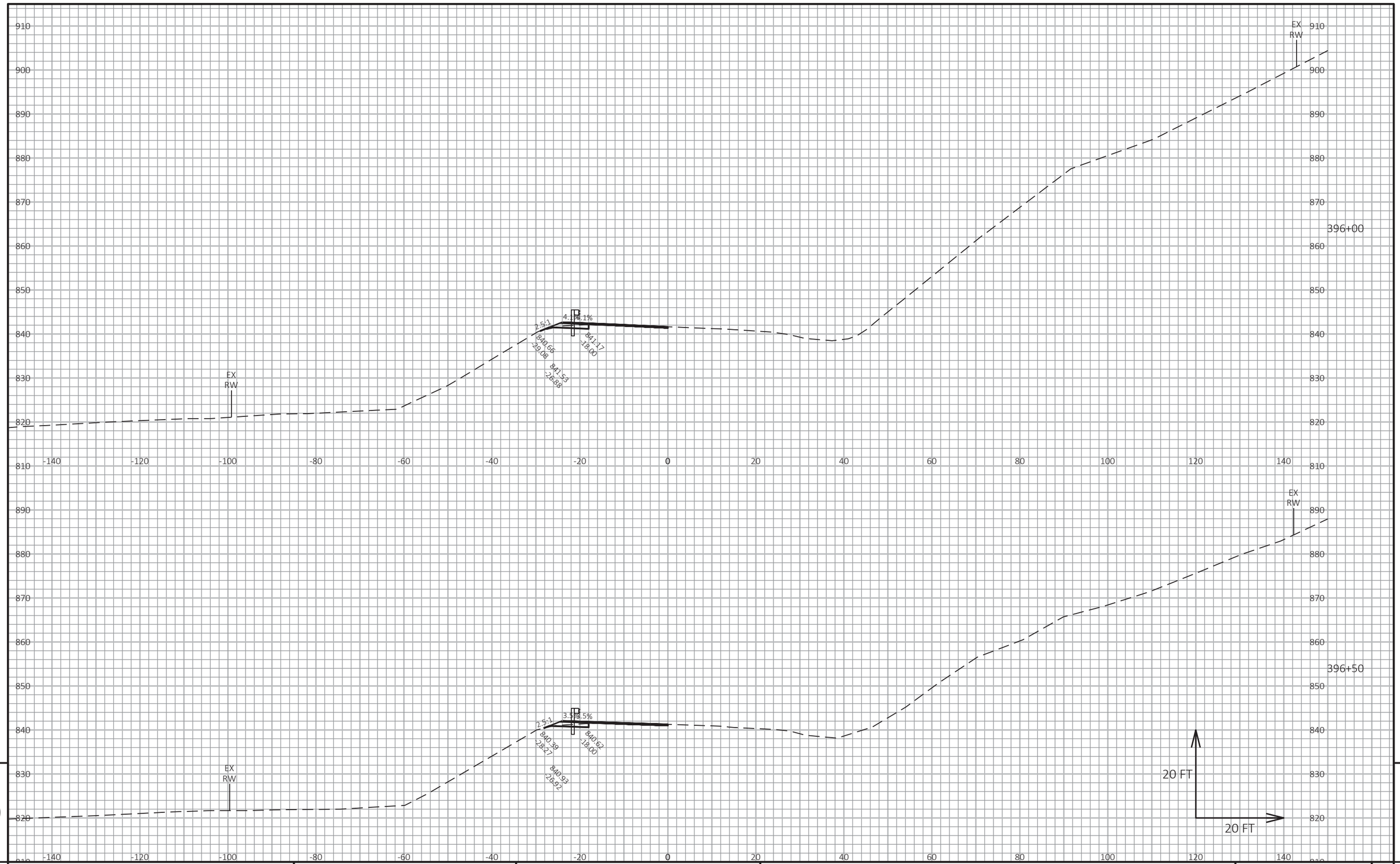
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 72

PLOT DATE : 7/2/2019 2:22 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

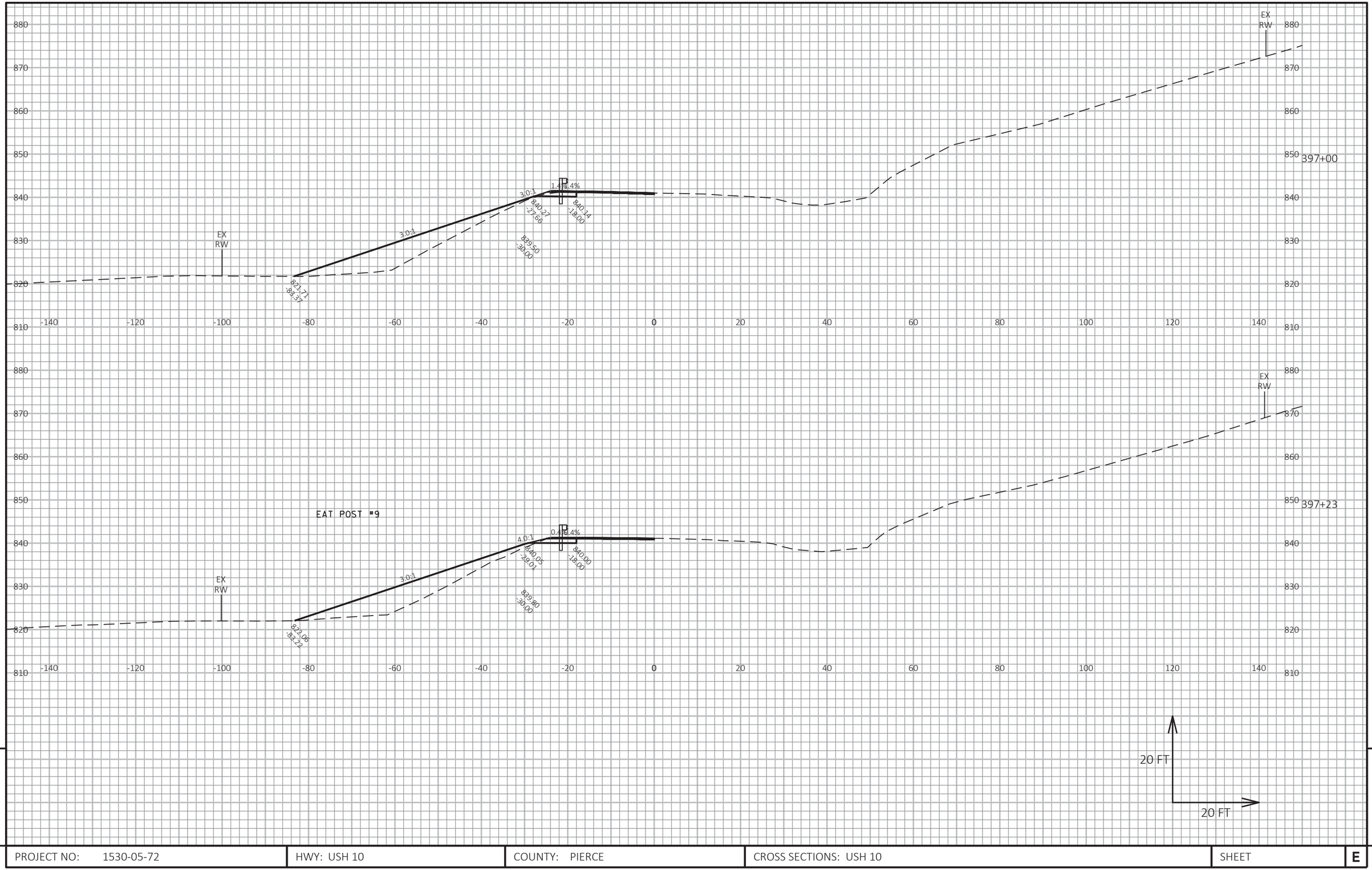
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 73

PLOT DATE : 7/2/2019 2:22 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 74

PLOT DATE : 7/2/2019 2:23 PM

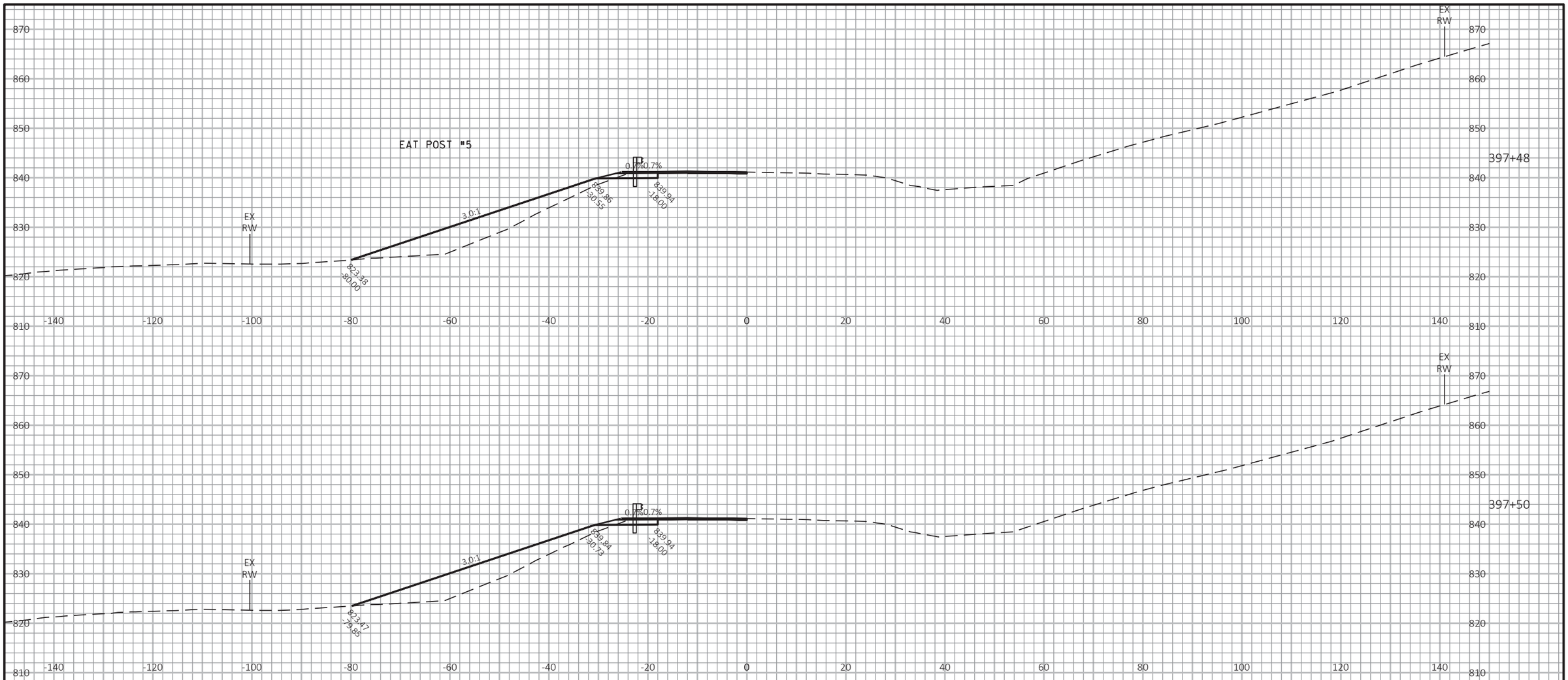
PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 75

PLOT DATE : 7/2/2019 2:23 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

EAT POST #1

397+73

EX RW

1.7% 1.7%

3.0:1

824.12
-79.80

829.64
-35.23

829.90
-18.00

398+00

EX RW

2.0% 2.0%

3.0:1

829.98
-60.48

829.63
-31.52

829.90
-18.00

398+50

EX RW

2.8%

4.0:1

4.0:1

834.52
-48.69

829.60
-28.37

829.19
-30.00

829.96
-15.00

20 FT

20 FT

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

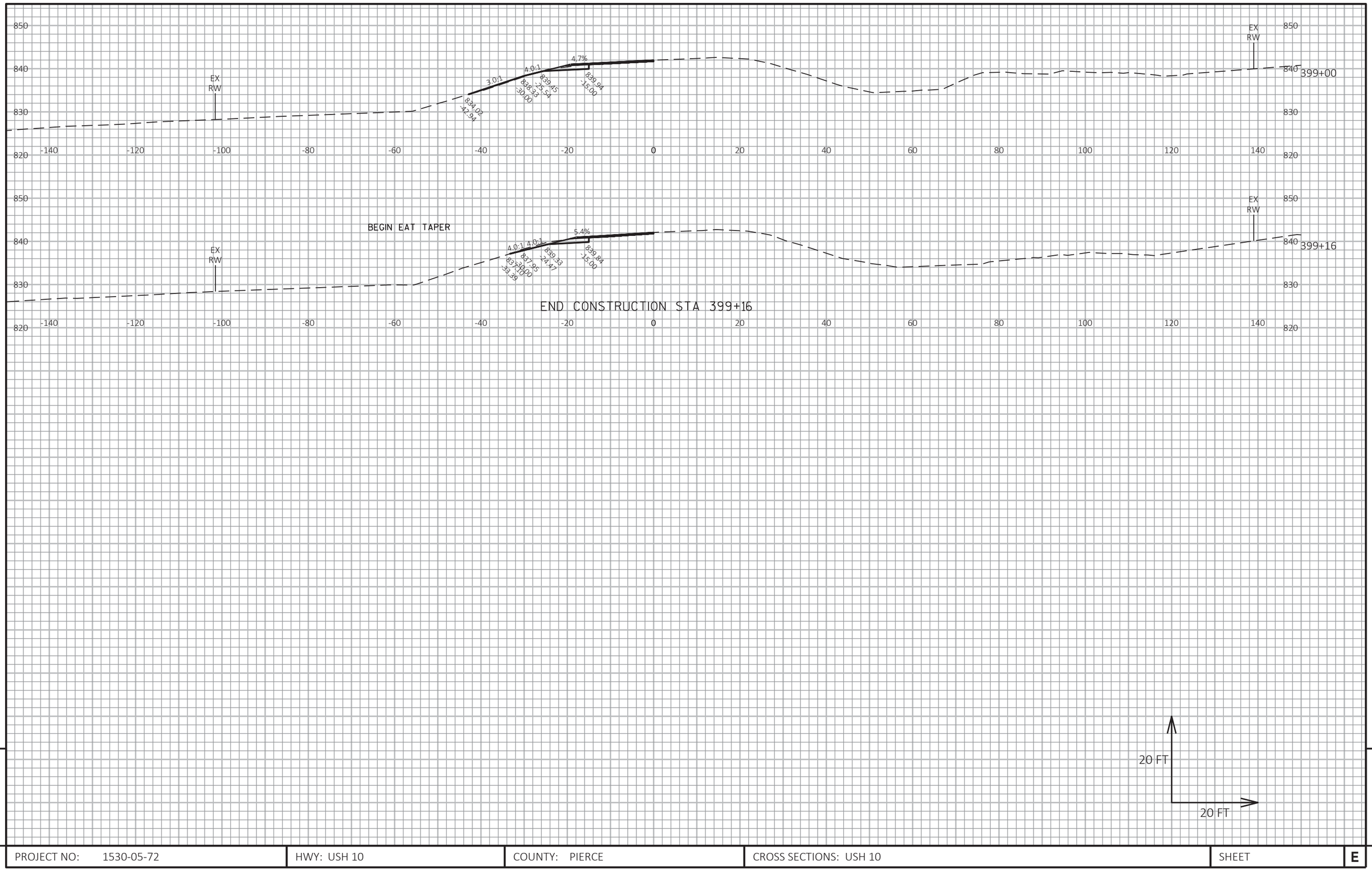
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 76

PLOT DATE : 7/2/2019 2:24 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

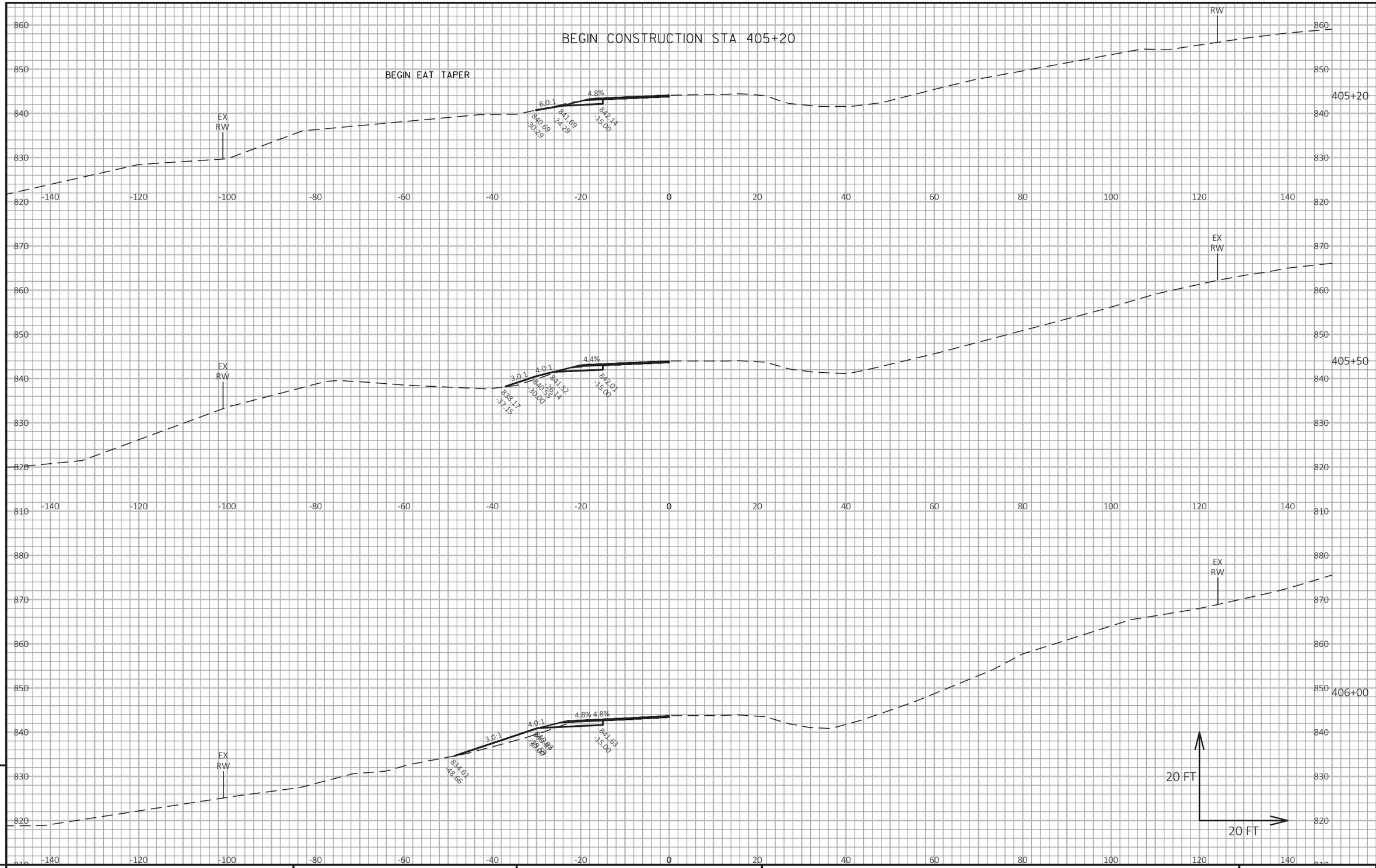
9

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_363-402.DWG
LAYOUT NAME - 77

PLOT DATE : 7/2/2019 2:24 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

BEGIN CONSTRUCTION STA 405+20

BEGIN EAT TAPER



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

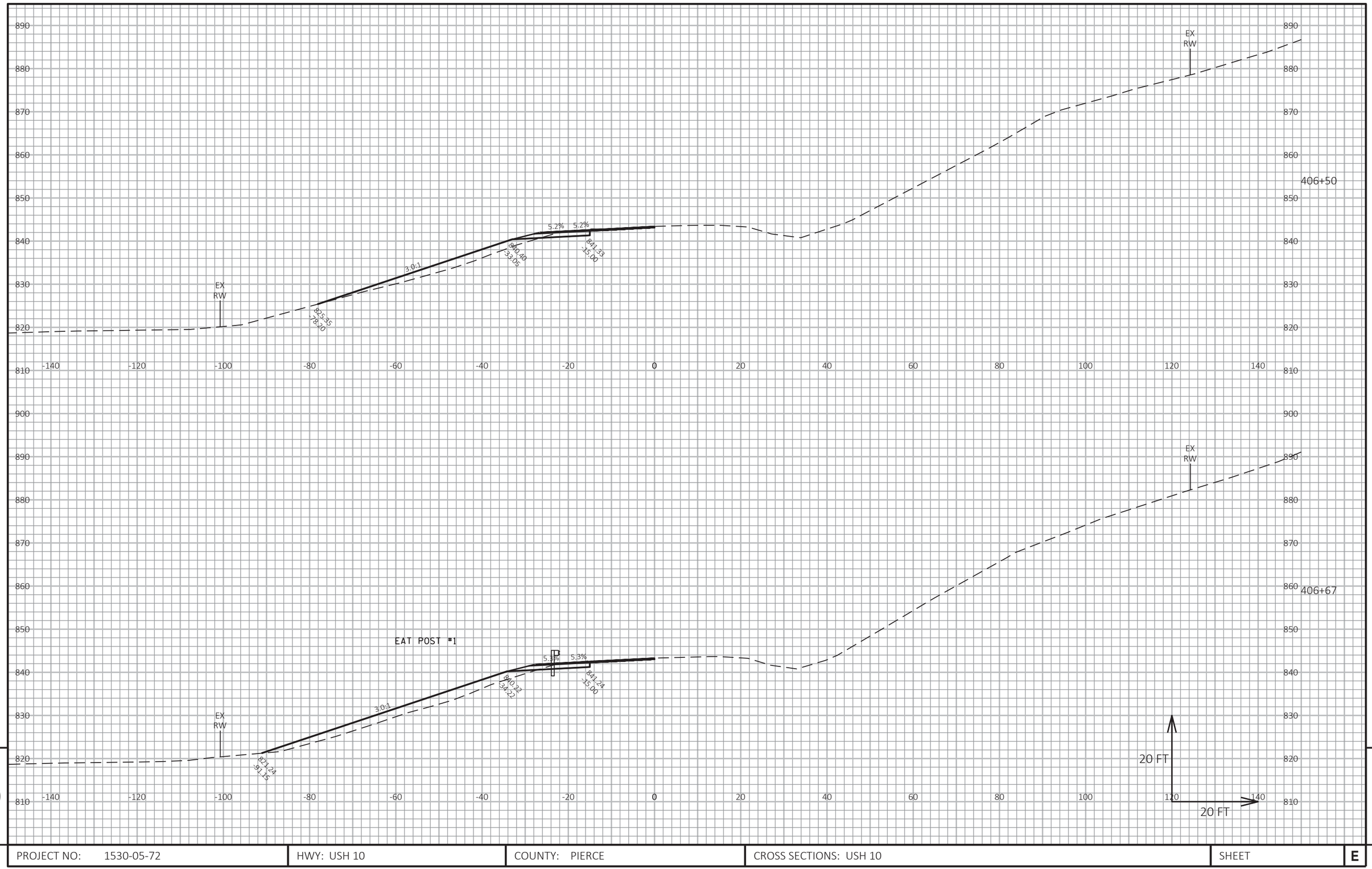
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 10

PLOT DATE : 7/2/2019 2:09 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

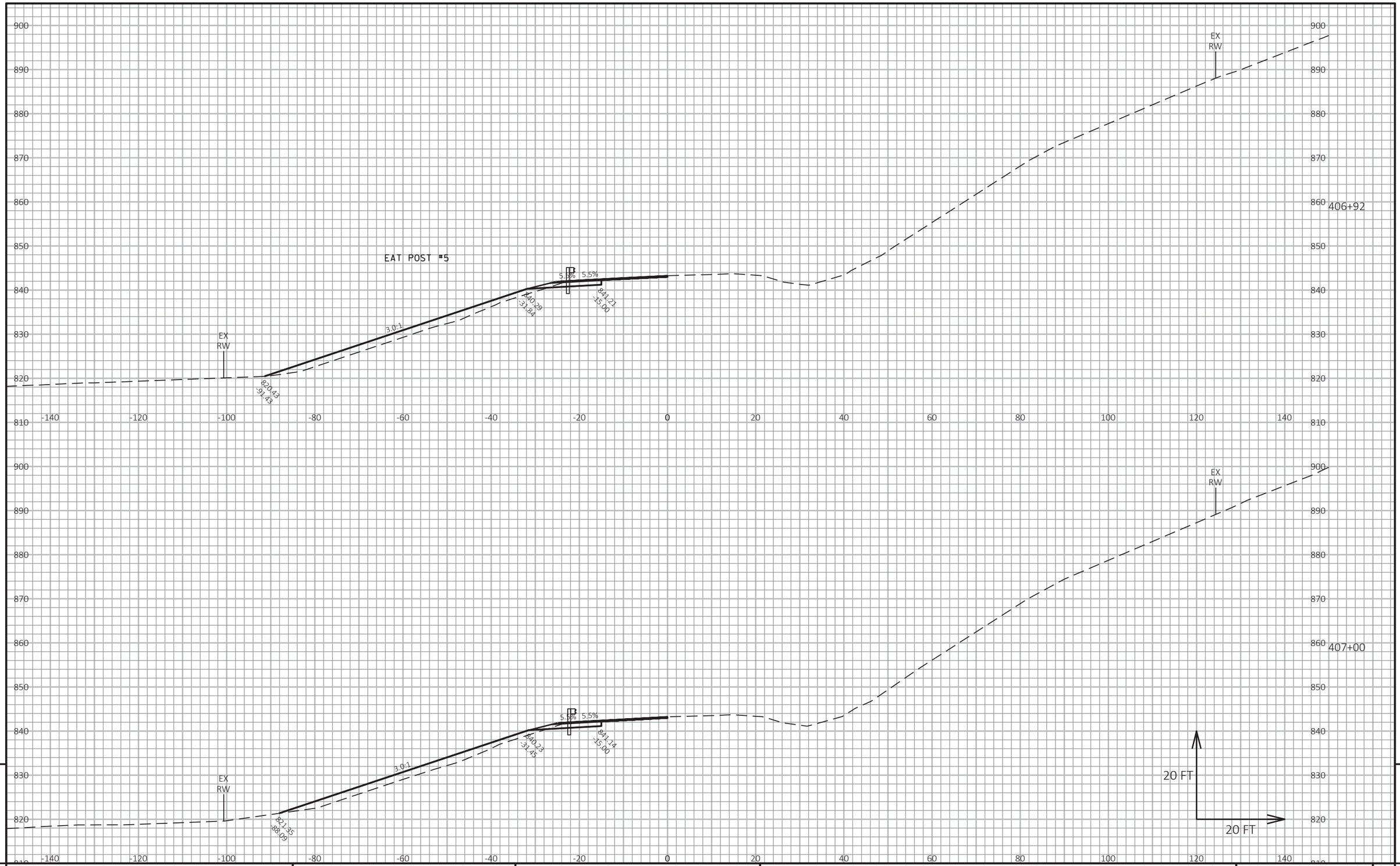
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 11

PLOT DATE : 7/2/2019 2:10 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 12

PLOT DATE : 7/2/2019 2:10 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

910
900
890
880
870
860
850
840
830
820
810

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

EAT POST #9

EX RW

EX RW

823.38
-30.14

3.0:1

840.10
-30.57

5.7% 5.7%

840.98
-15.00

407+17

20 FT

20 FT

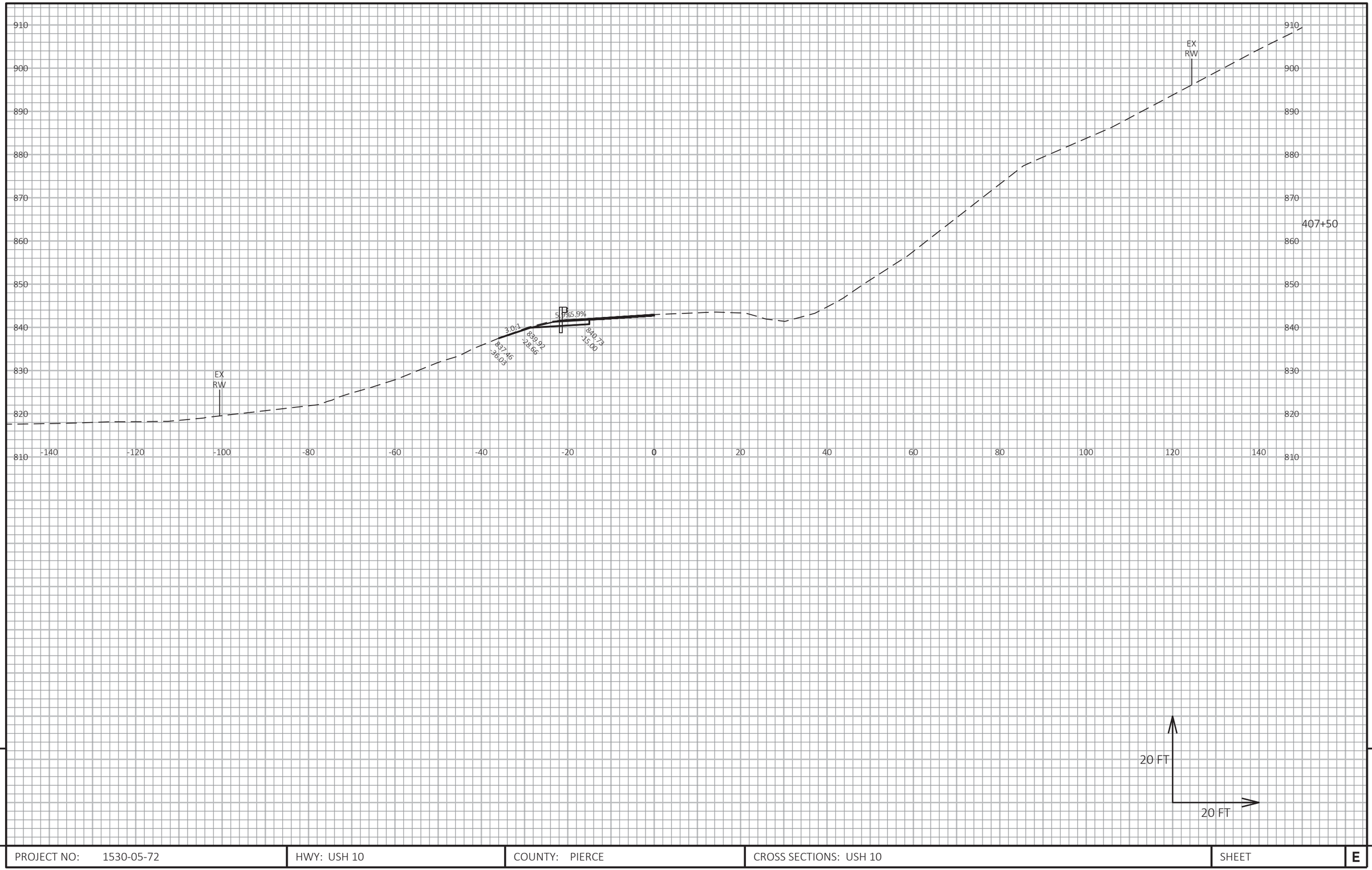
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 13

PLOT DATE : 7/2/2019 2:10 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

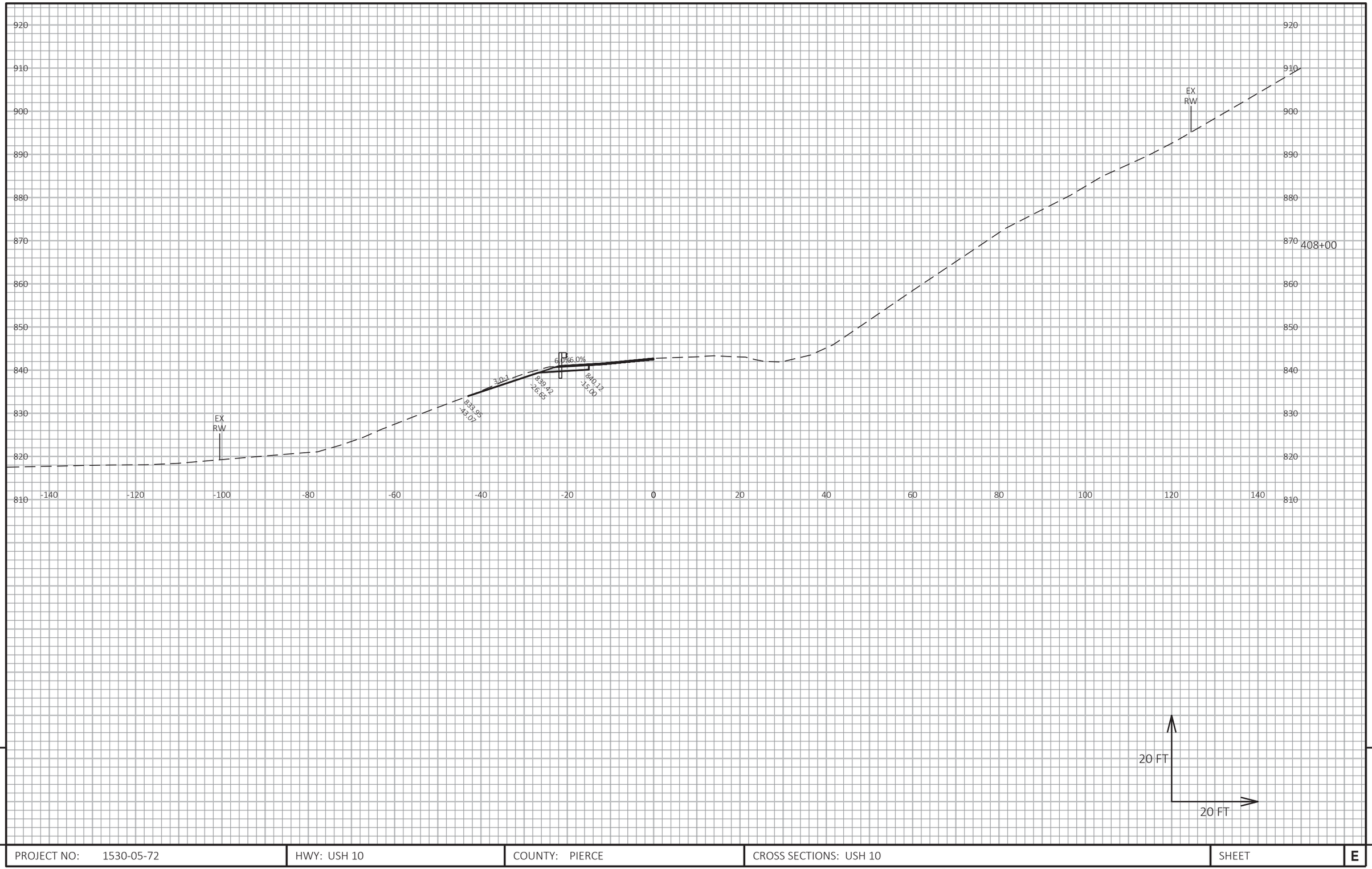
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 14

PLOT DATE : 7/2/2019 2:11 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



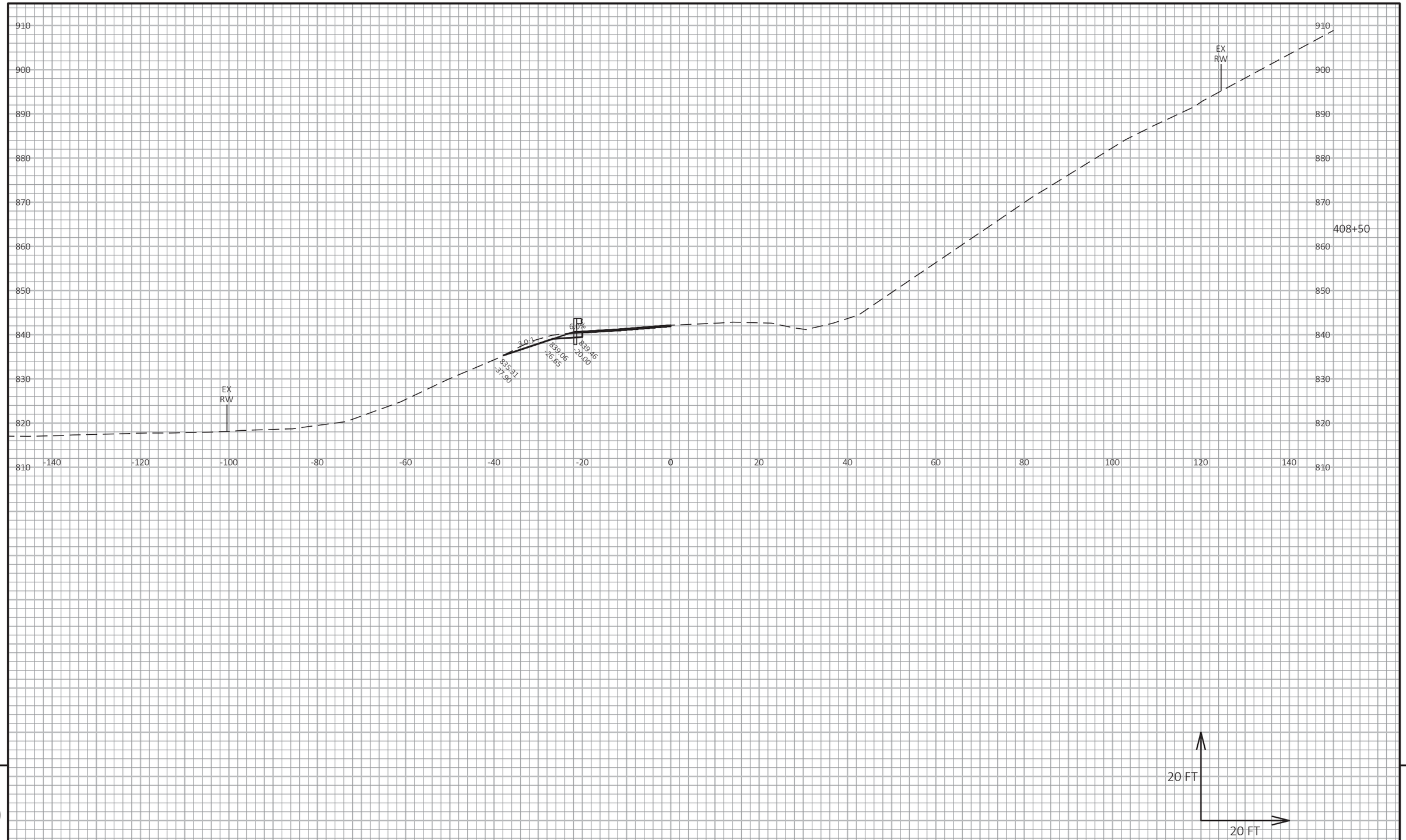
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 15

PLOT DATE : 7/2/2019 2:11 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



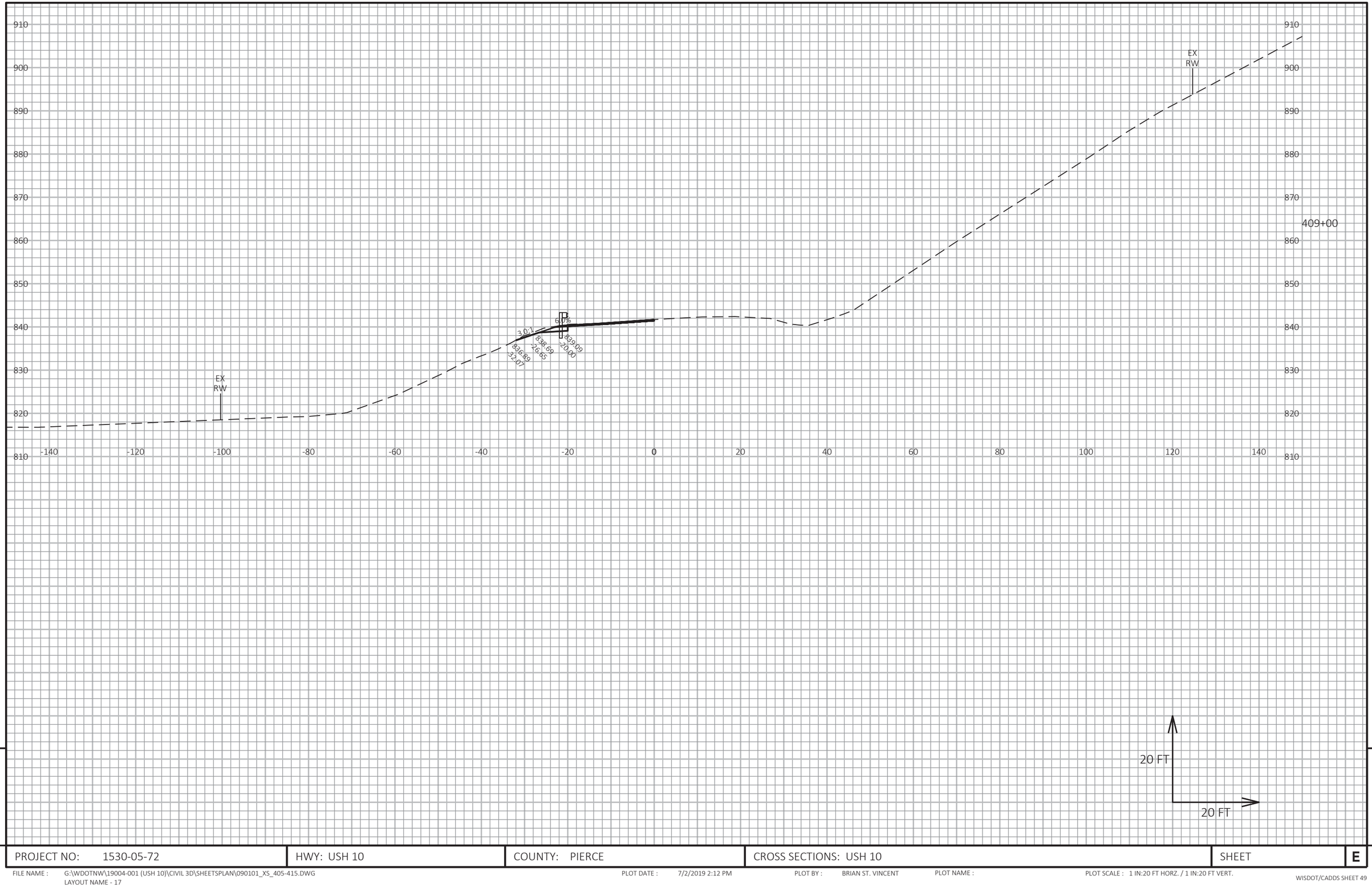
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 16

PLOT DATE : 7/2/2019 2:11 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

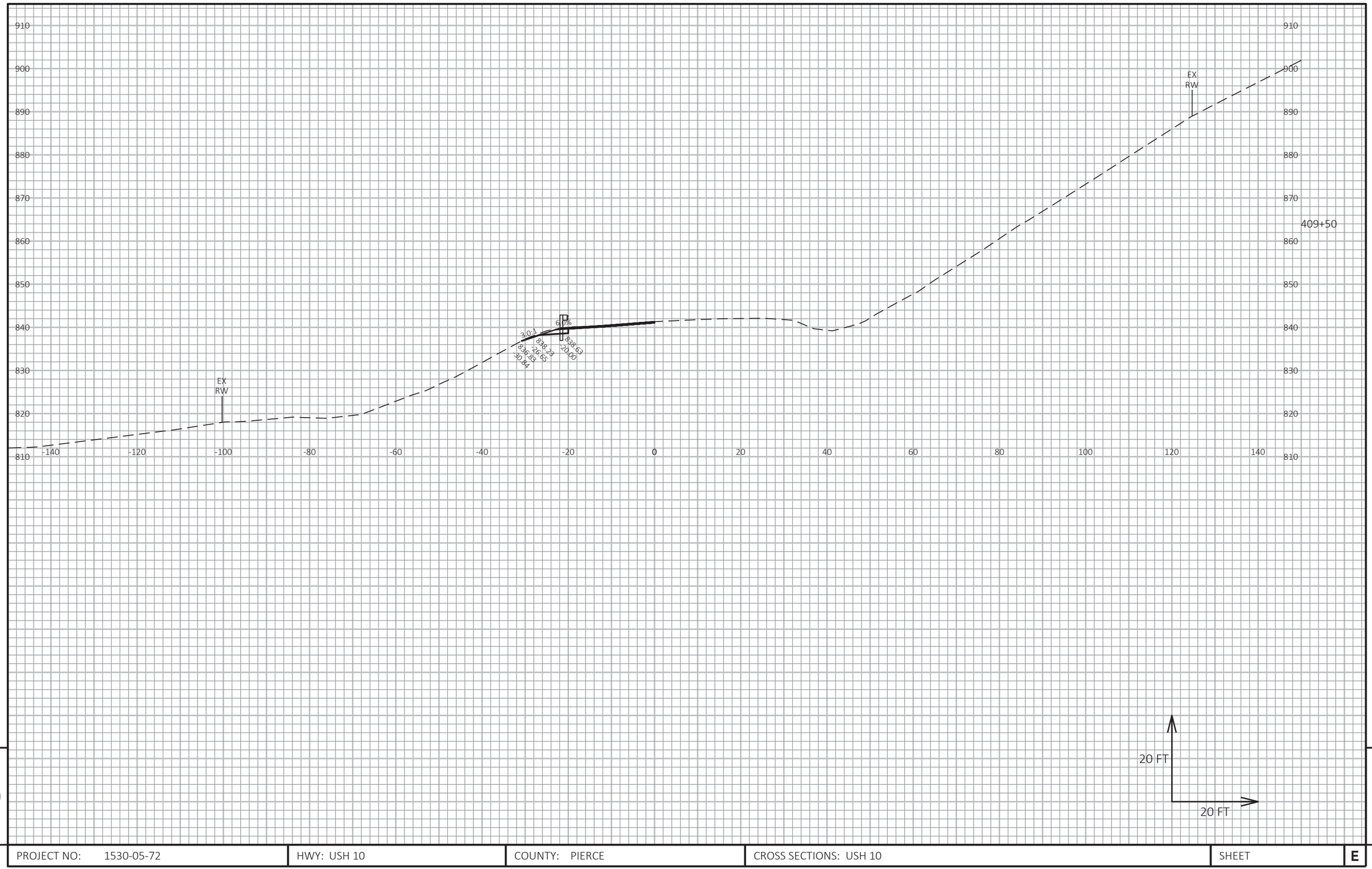
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 17

PLOT DATE : 7/2/2019 2:12 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



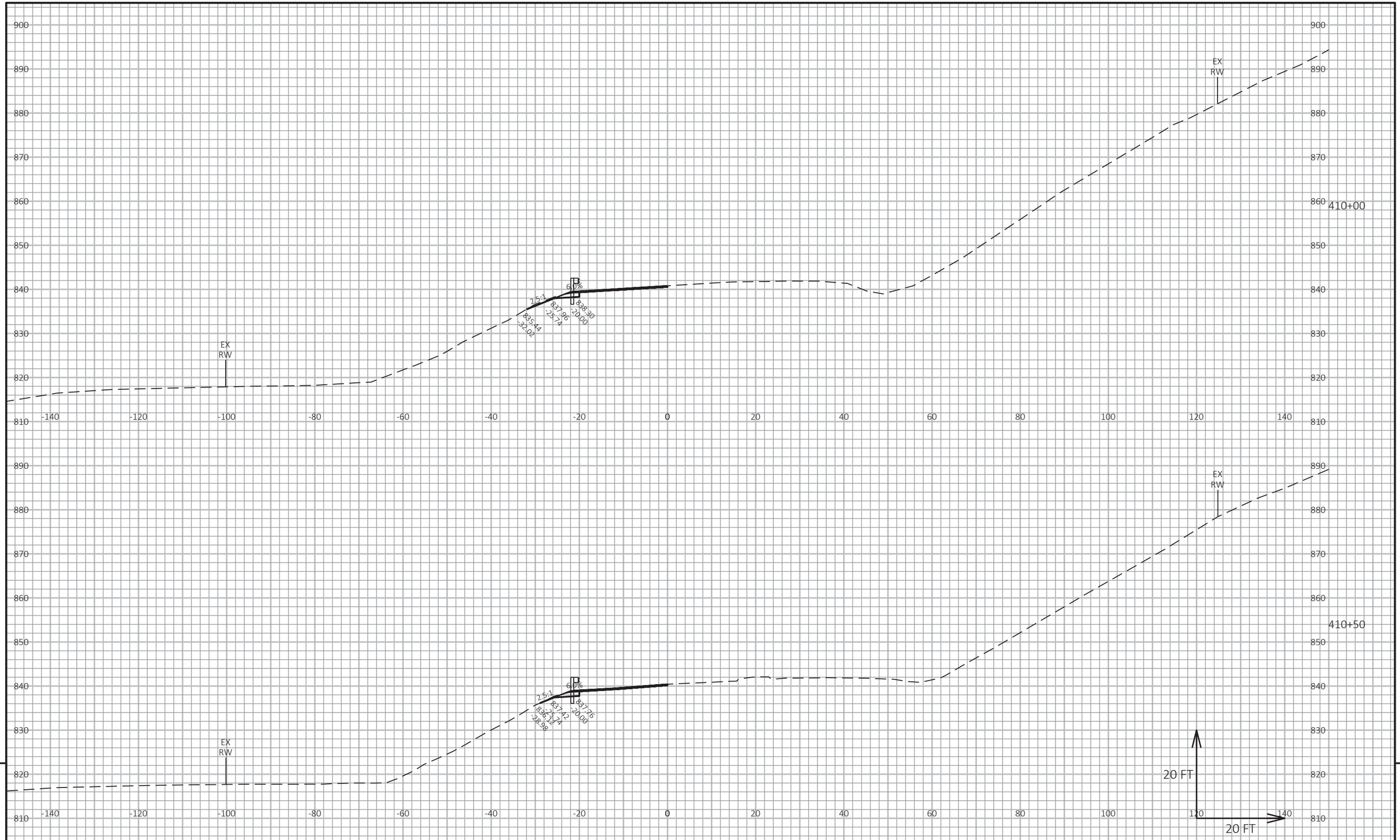
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 18

PLOT DATE : 7/2/2019 2:12 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

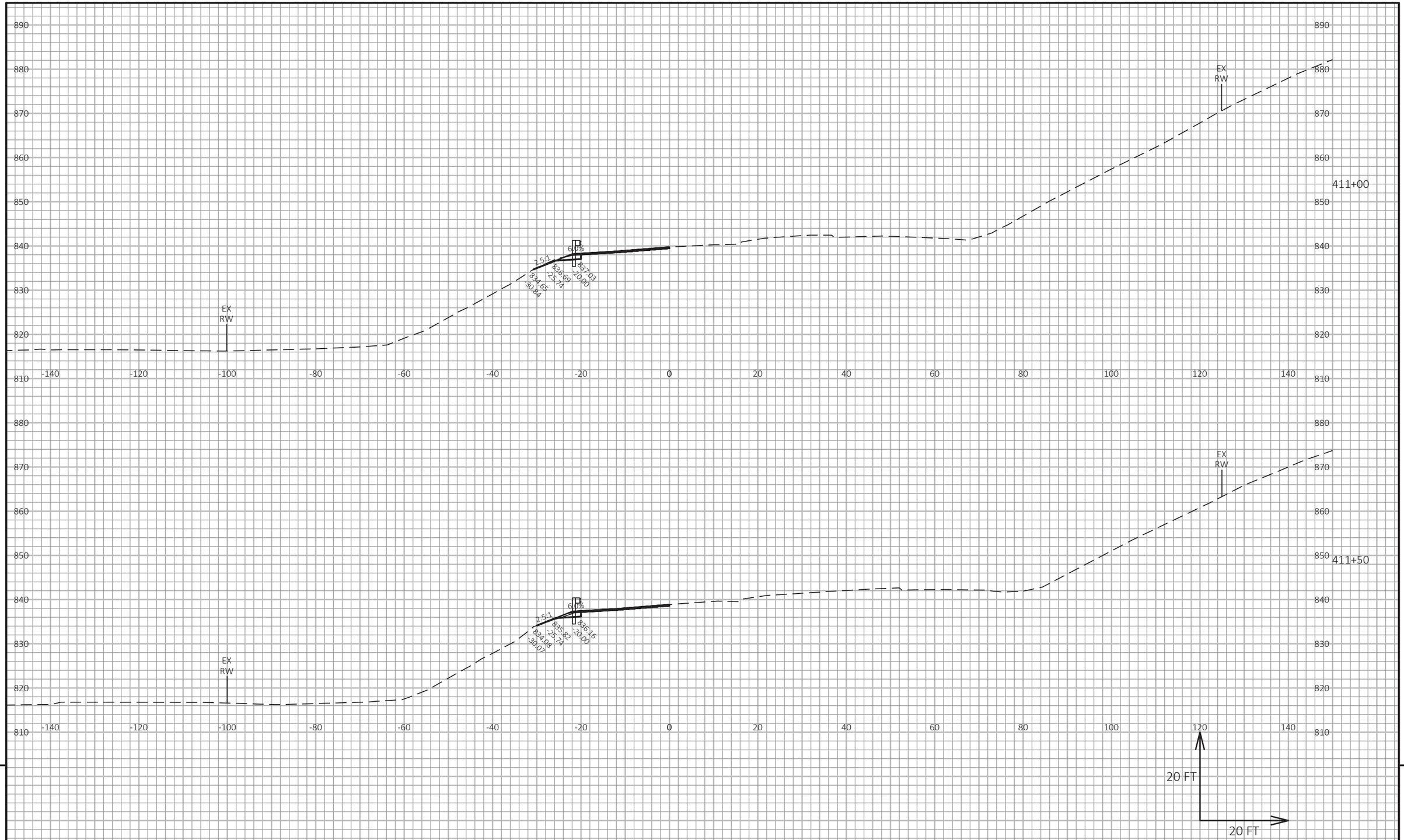
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 19

PLOT DATE : 7/2/2019 2:13 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

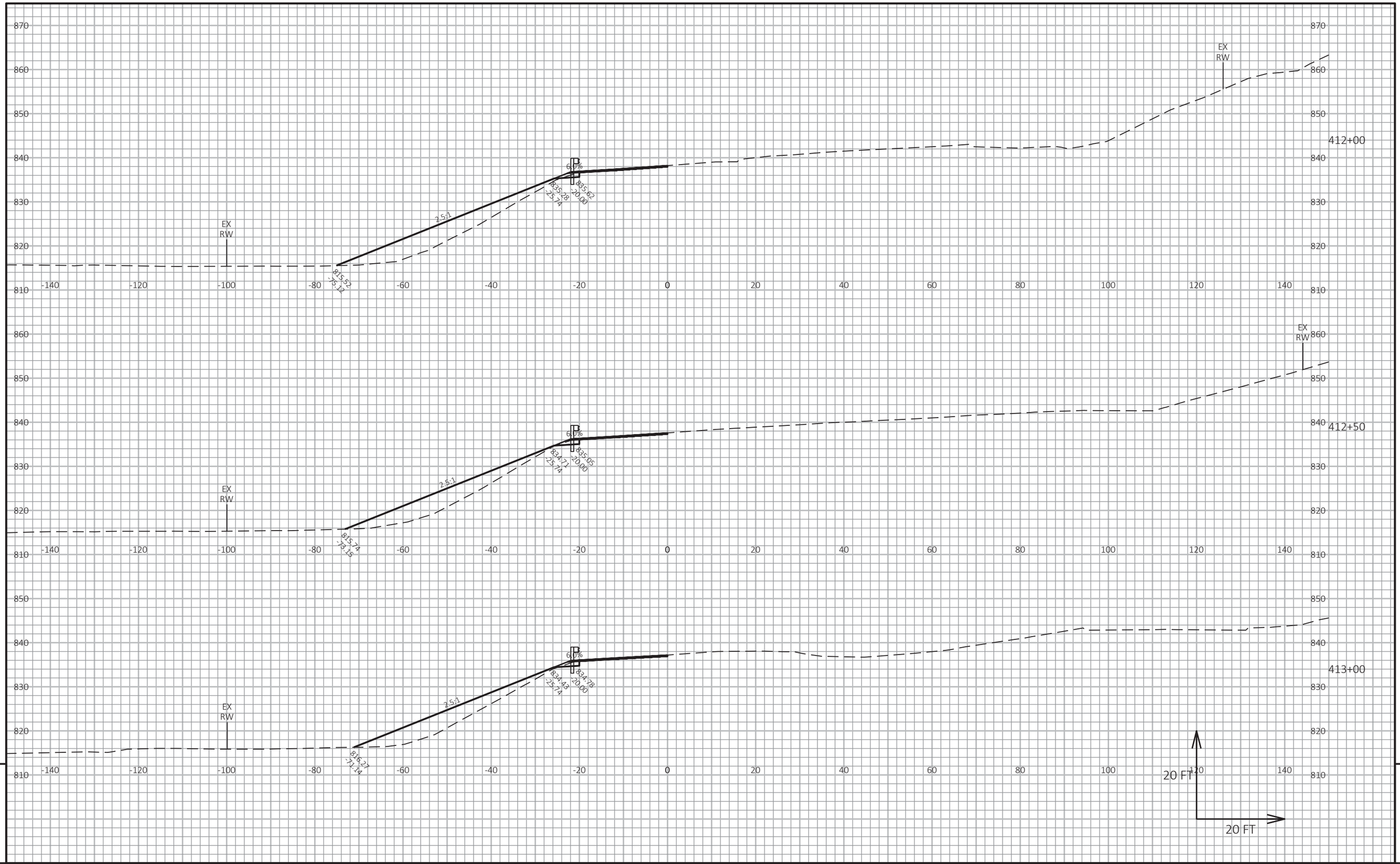
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 20

PLOT DATE : 7/2/2019 2:13 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

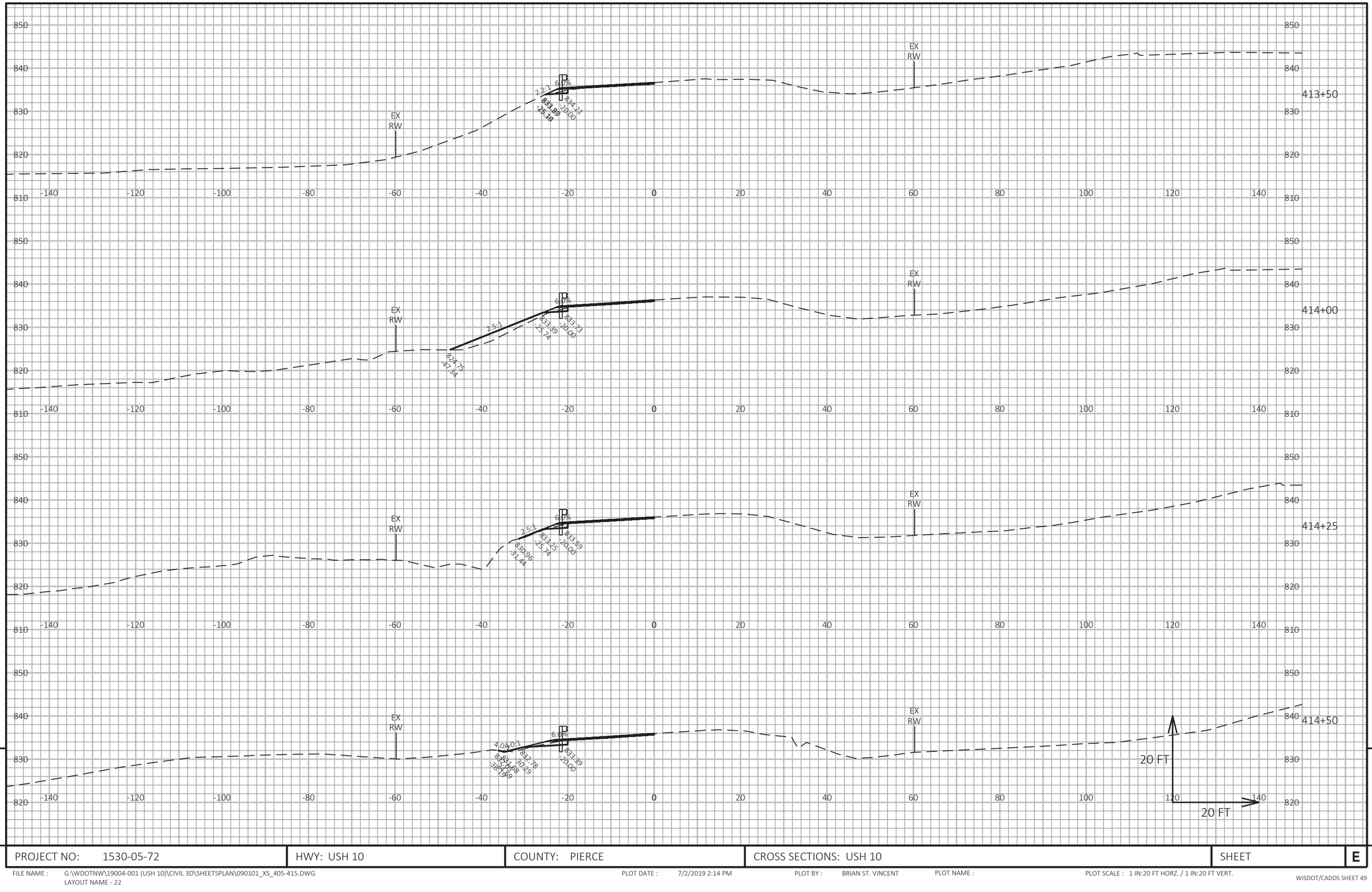
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 21

PLOT DATE : 7/2/2019 2:14 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 22

PLOT DATE : 7/2/2019 2:14 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

EAT POST #9

EX RW

4.0:1

6.0%

6.0%

833.65

833.29

20.00

414+57

EAT POST #5

EX RW

20.0:1

6.0%

6.0%

833.35

15.00

414+83

EAT POST #3

EX RW

4.0:1

6.0%

6.0%

832.08

833.21

15.00

415+00

EAT POST #1

EX RW

4.0:1

6.0%

6.0%

831.97

833.14

15.00

415+08

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

820 830 840 850

810

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

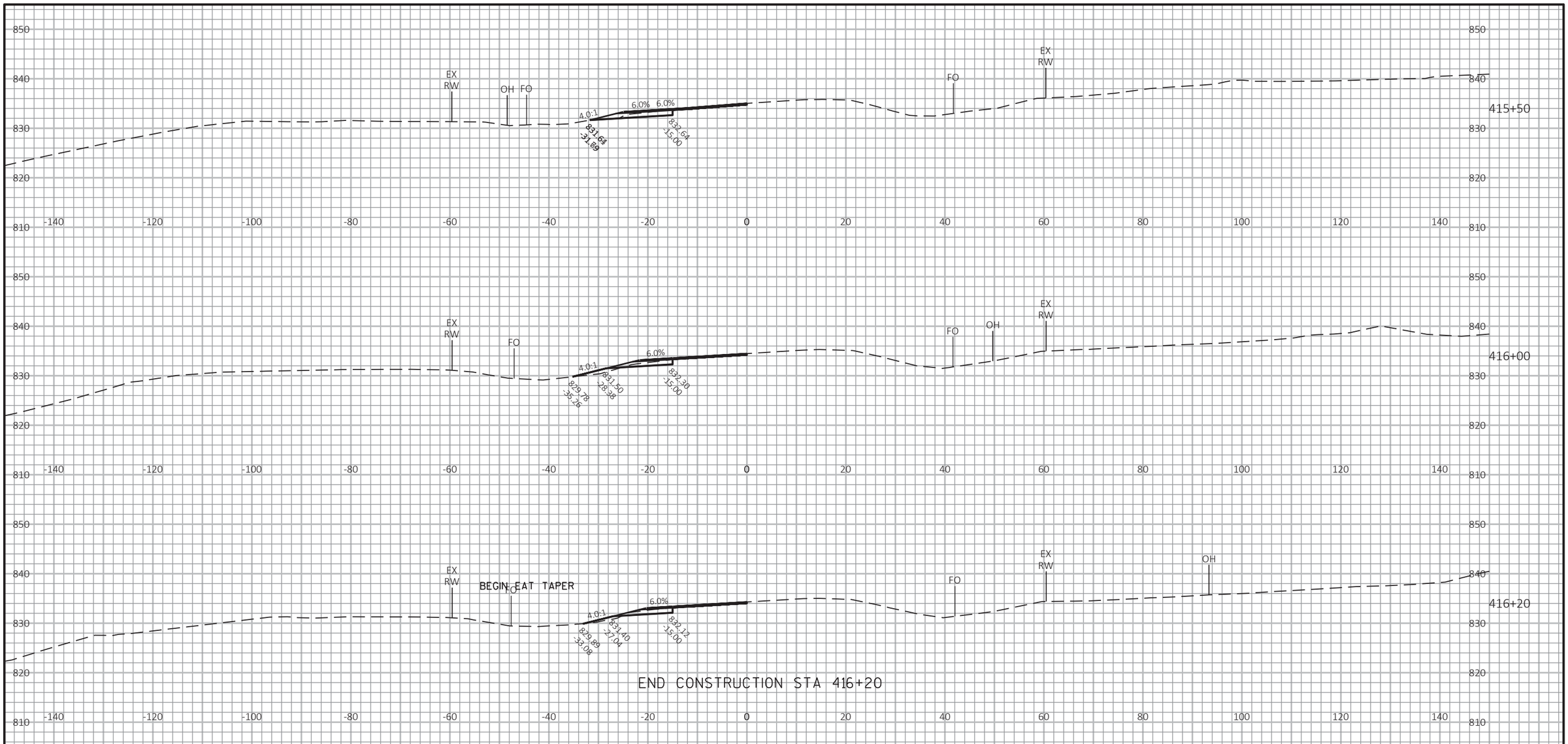
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 23

PLOT DATE : 7/2/2019 2:14 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_405-415.DWG
LAYOUT NAME - 24

PLOT DATE : 7/2/2019 2:15 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

BEGIN CONSTRUCTION STA 429+43

429+50

EX RW

6.0% 6.0%

2.5:1

807.16 -60.37

816.74 -26.74

817.61 -26.74

818.14 -19.00

430+00

EX RW

6.0% 6.0%

2.5:1

805.49 -56.01

816.74 -26.74

817.20 -26.74

817.72 -18.00

430+50

EX RW

FO

6.0% 6.0%

2.5:1

806.63 -52.02

816.74 -26.74

816.74 -26.74

817.27 -18.00

431+00

EX RW

FO

6.0% 6.0%

2.8:1

807.00 -52.46

816.74 -27.19

816.19 -27.19

816.74 -18.00

431+50

EX RW

FO

6.0% 6.0%

3.0:1

807.38 -52.49

816.74 -27.69

815.65 -27.69

816.23 -18.00

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_1.DWG
LAYOUT NAME - 10

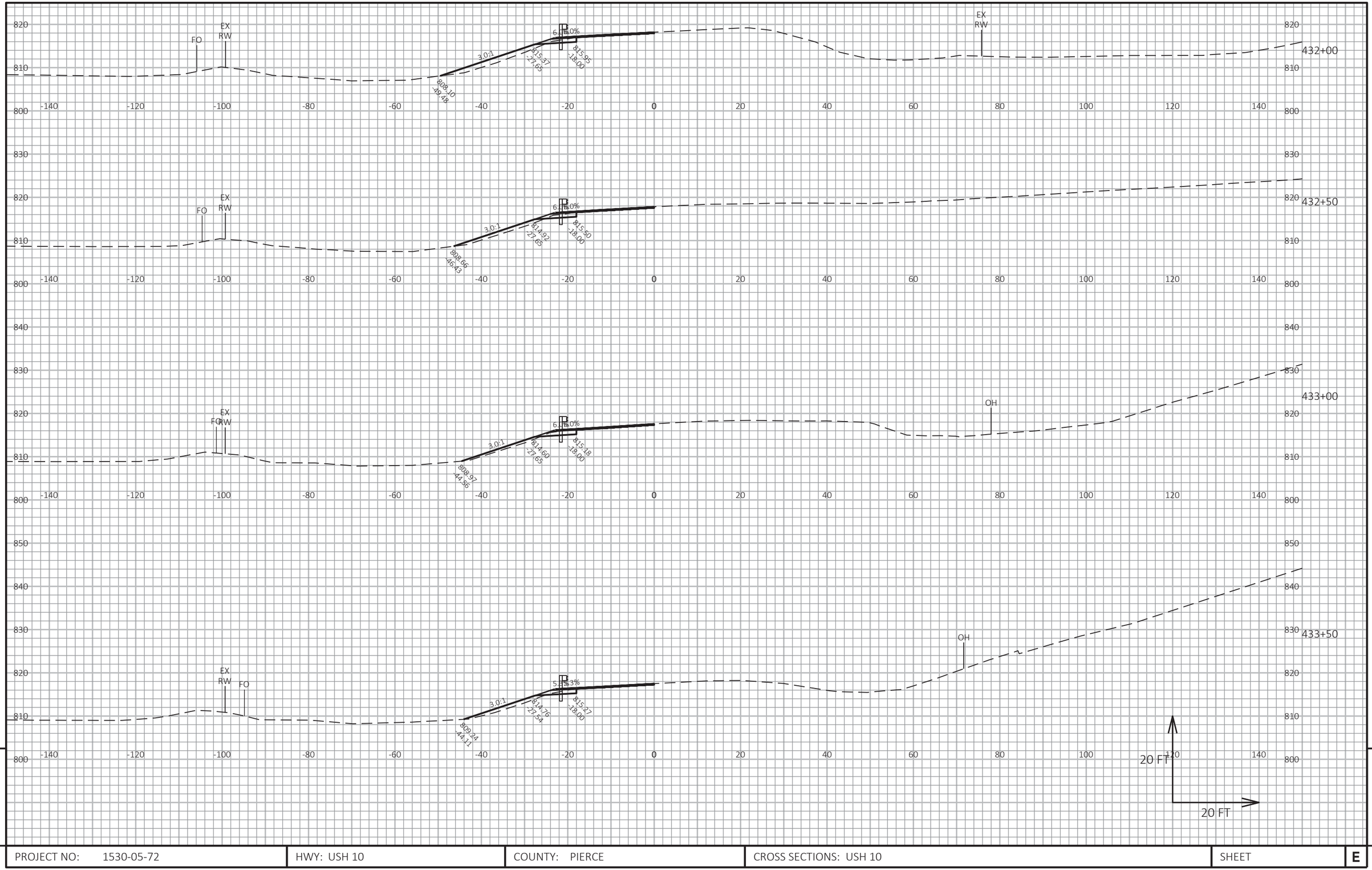
PLOT DATE : 7/2/2019 2:21 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_1.DWG
LAYOUT NAME - 11

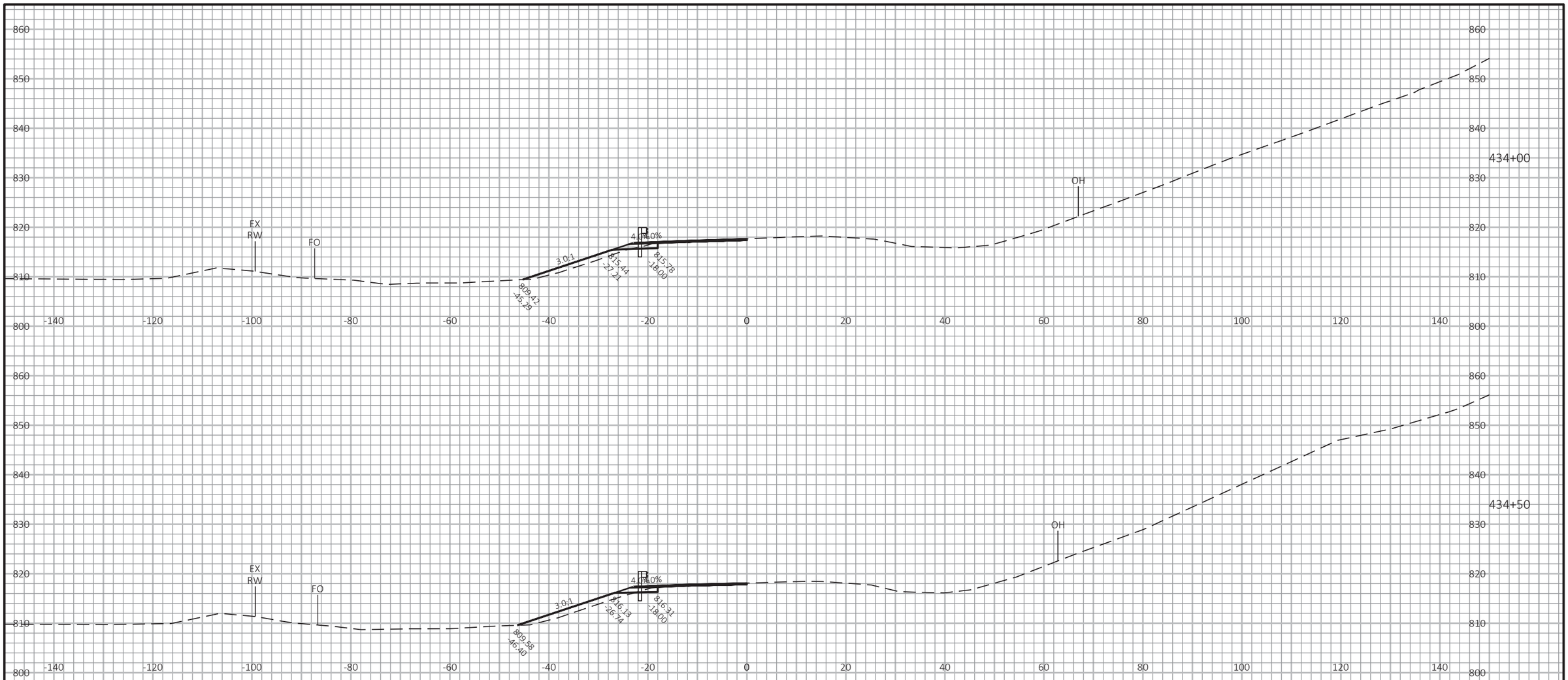
PLOT DATE : 7/2/2019 2:21 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

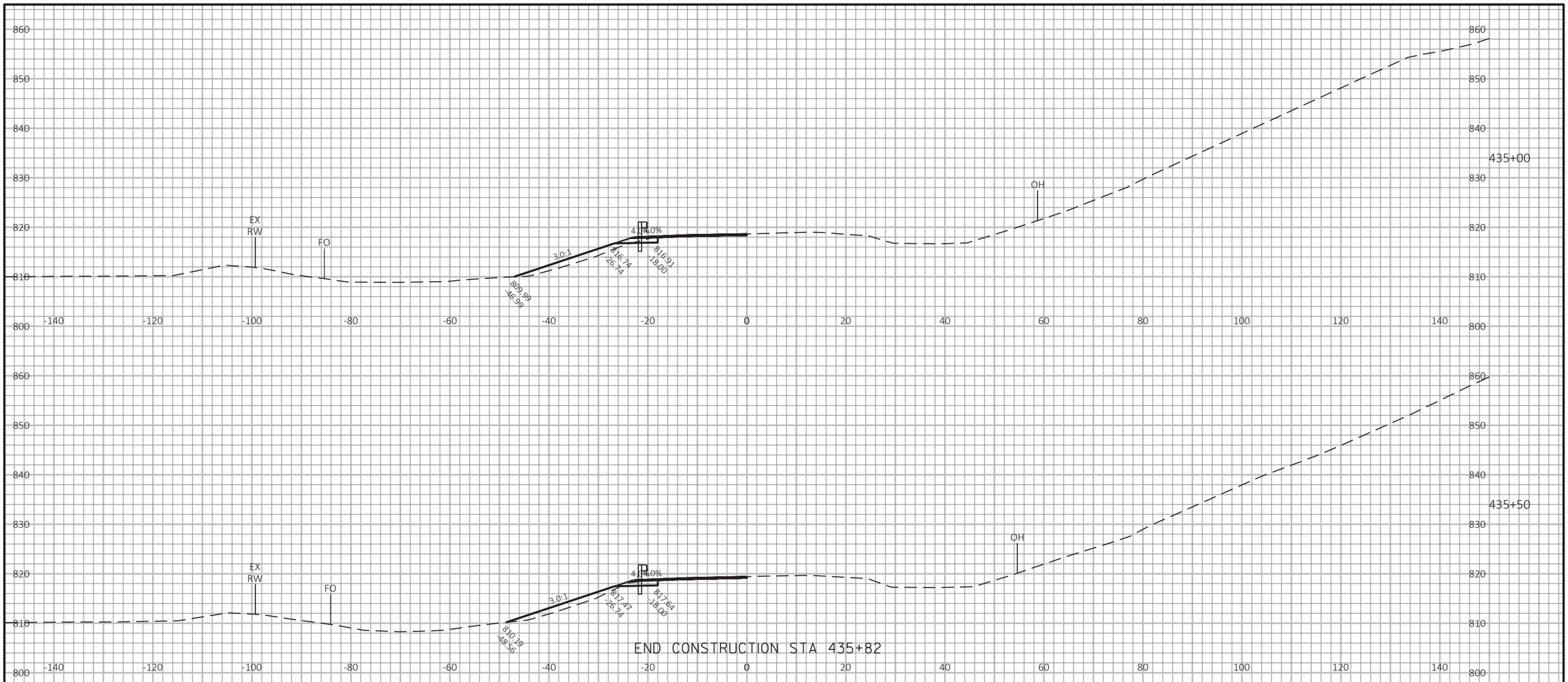


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_1.DWG
LAYOUT NAME - 12

PLOT DATE : 7/2/2019 2:21 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

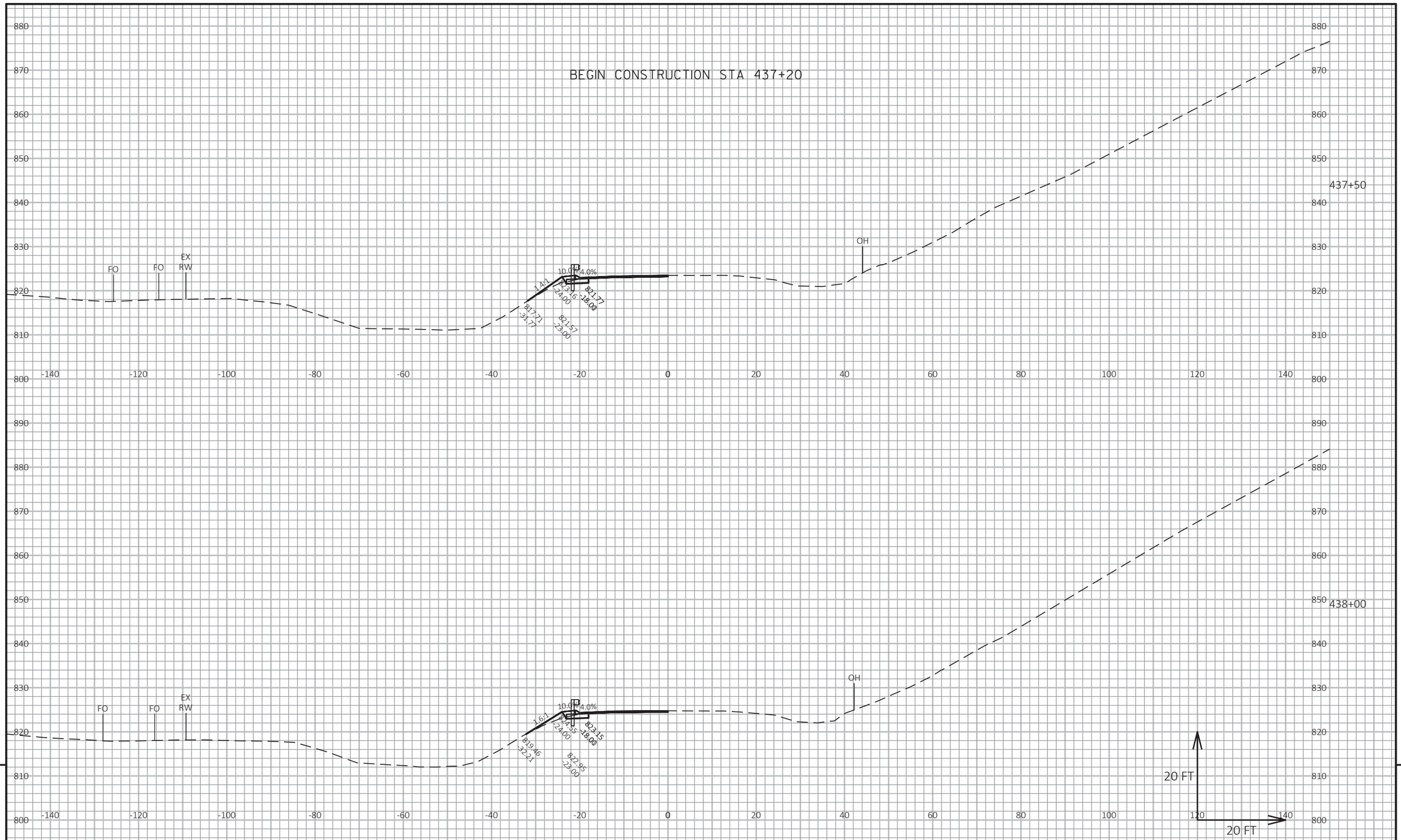


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_1.DWG
LAYOUT NAME - 13

PLOT DATE : 7/2/2019 2:22 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

9

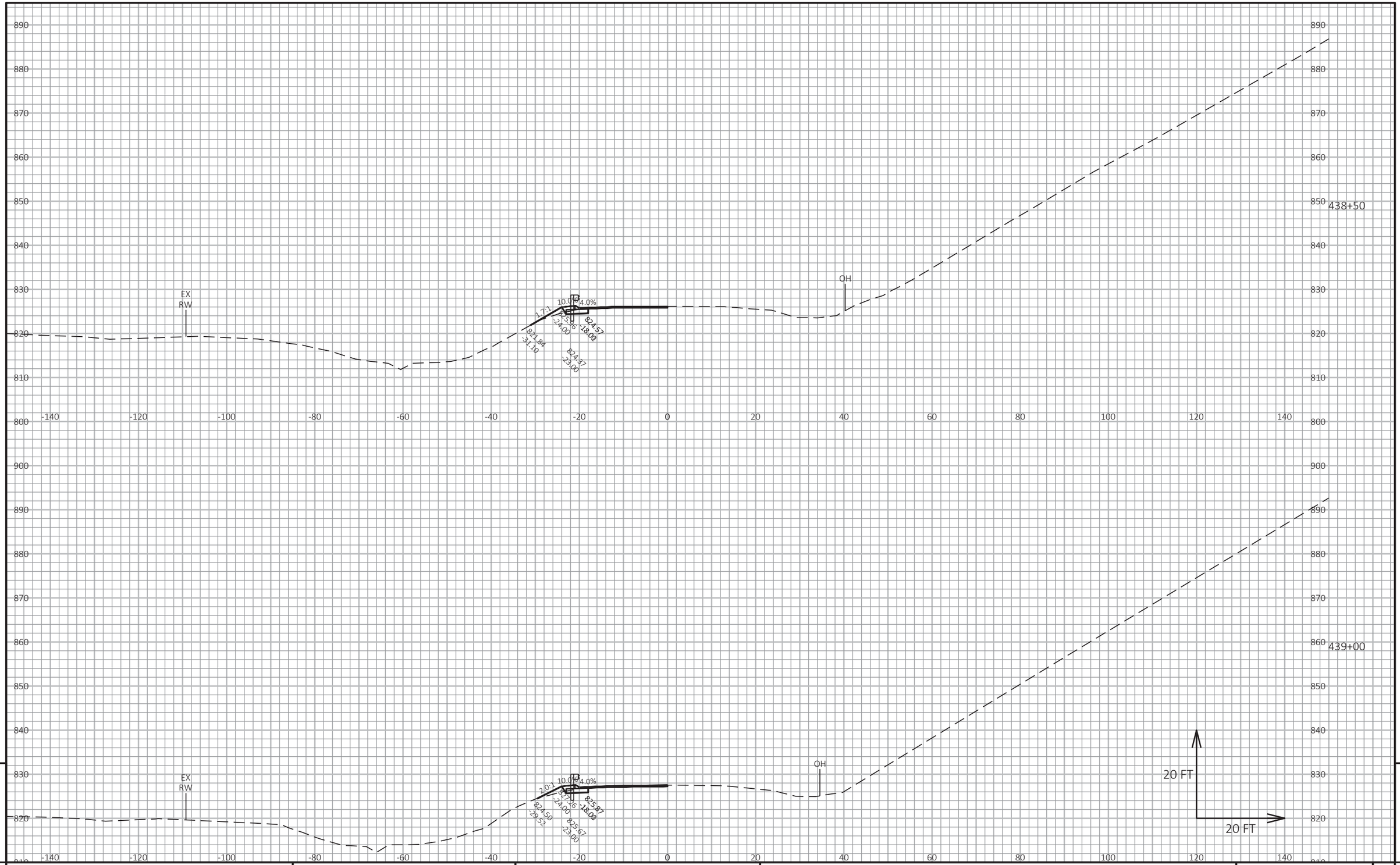
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 10

PLOT DATE : 7/2/2019 2:29 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

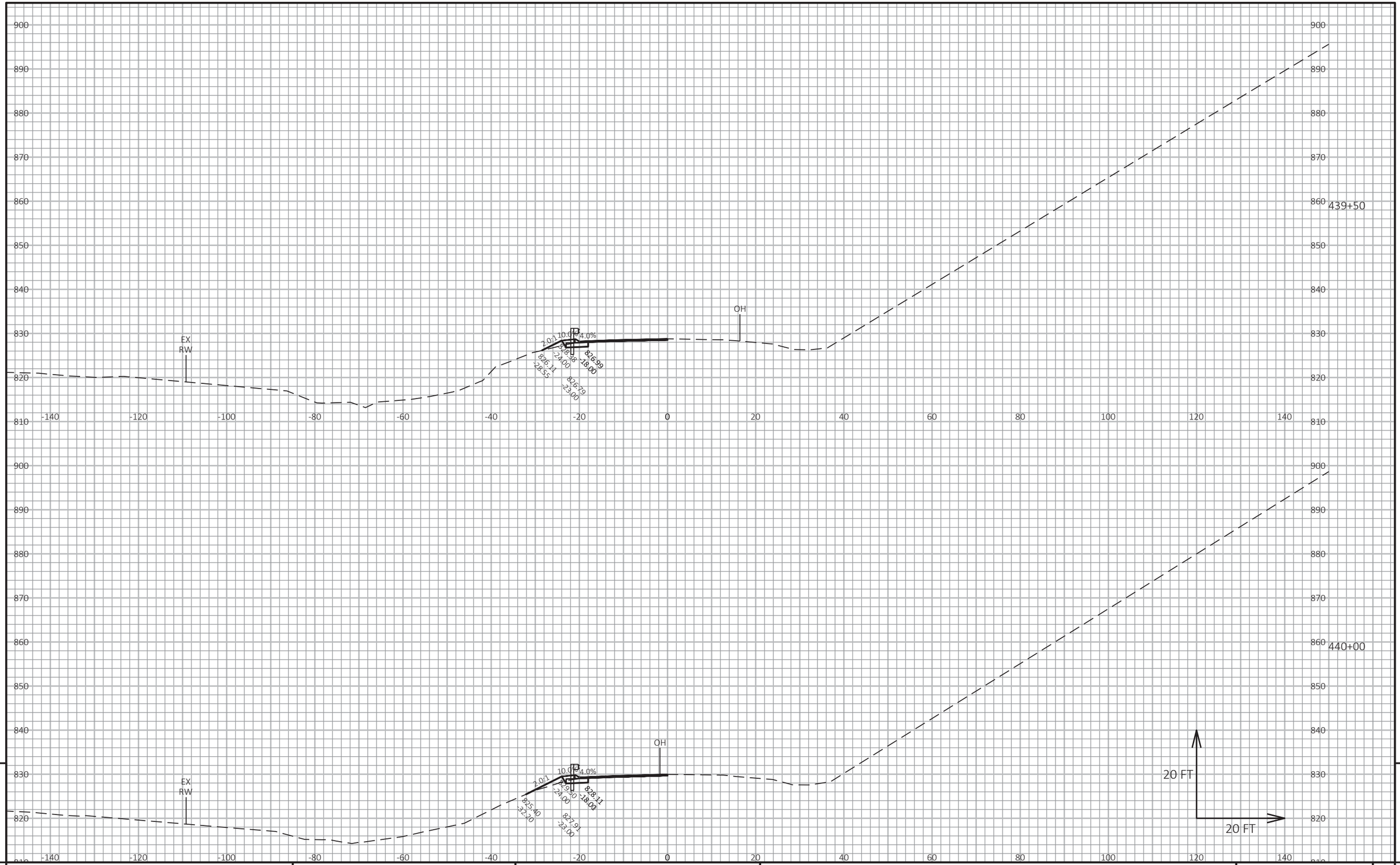
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 11

PLOT DATE : 7/2/2019 2:30 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 12

PLOT DATE : 7/2/2019 2:30 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

900
890
880
870
860
850
840
830
820
810

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

EX
RW

OH

10.0%

4.0%

1.0:1

2.0:1

929.33
18.00

925.59
24.00

929.13
23.00

924.68

440+50

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 13

PLOT DATE : 7/2/2019 2:31 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

910
900
890
880
870
860
850
840
830
820
810

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

441+00

EX
RW

OH

10.0
4.0%
7.8:1
830.49
-18.00
830.18
-24.00
823.52
-26.64
830.29
-23.00

20 FT
20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 14

PLOT DATE : 7/2/2019 2:31 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

910
900
890
880
870
860
850
840
830
820
810

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

441+50

EX
RW

OH

10.0
7.81
-24.00
833.04
-18.00
833.65
-23.00
831.45
825.80
-36.52

4.0%

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 15

PLOT DATE : 7/2/2019 2:31 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

910
900
890
880
870
860
850
840
830
820
810

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

EX
RW

OH

822.64
-47.11

2.0%

10.0%

4.0%

834.19
-24.00

832.80
-18.00

832.60
-23.00

442+00

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 16

PLOT DATE : 7/2/2019 2:32 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

910
900
890
880
870
860
850
840
830
820
810

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

EX
RW

OH

2.0:1

10.0

4.0%

835.14
-24.00

833.72
-22.00

833.95
-18.00

833.81
-47.07

442+50

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 17

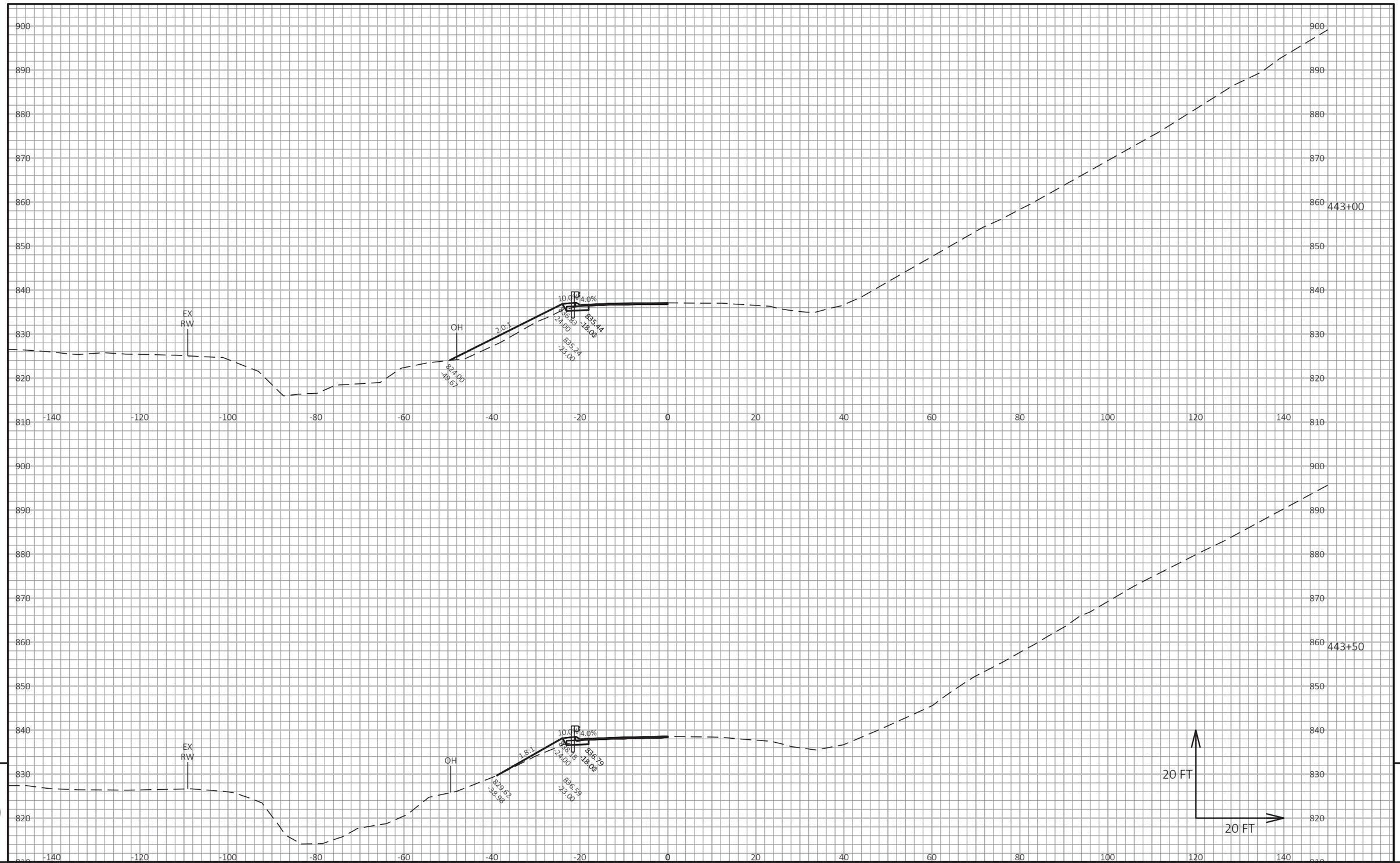
PLOT DATE : 7/2/2019 2:32 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

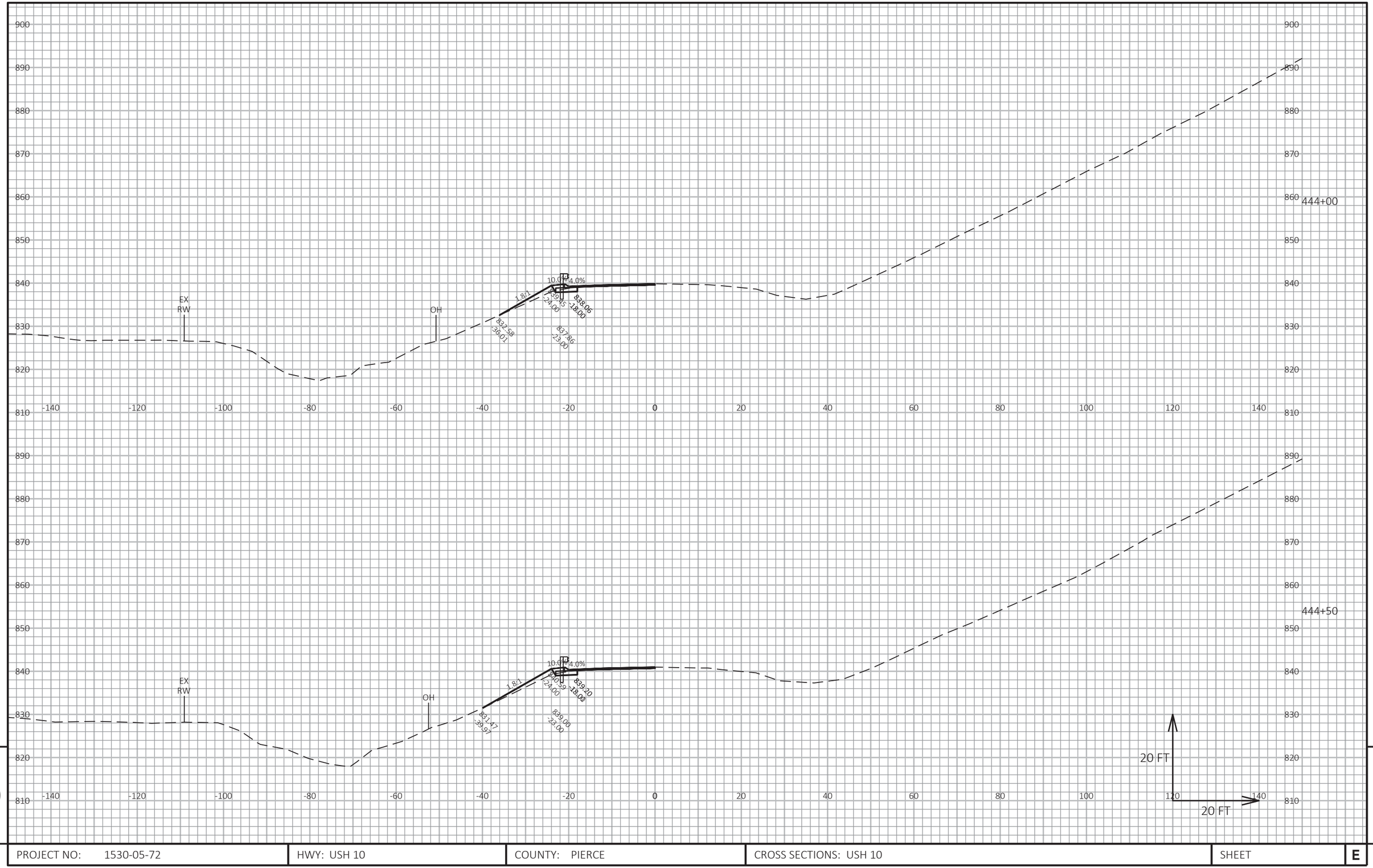
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 18

PLOT DATE : 7/2/2019 2:33 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 19

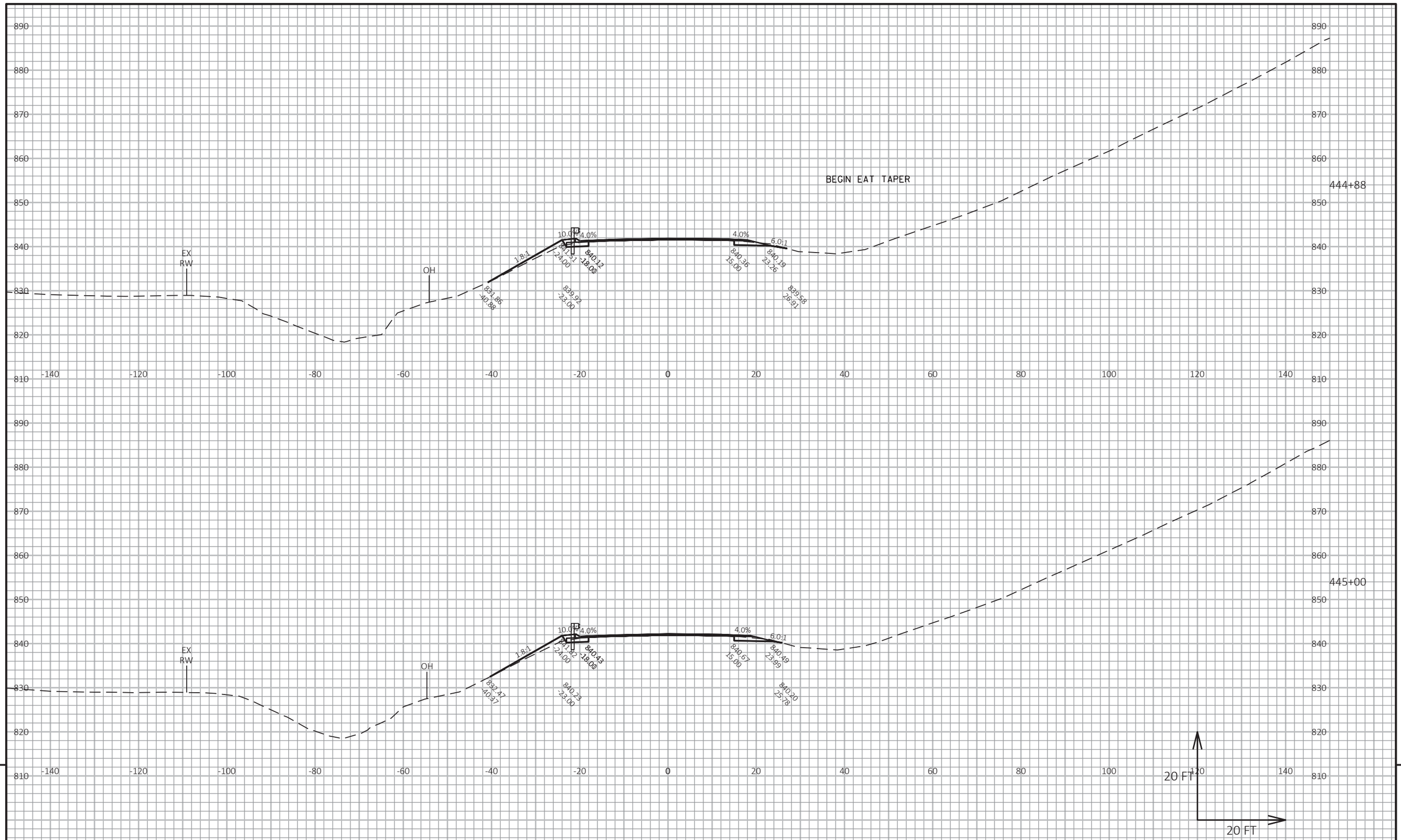
PLOT DATE : 7/2/2019 2:33 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



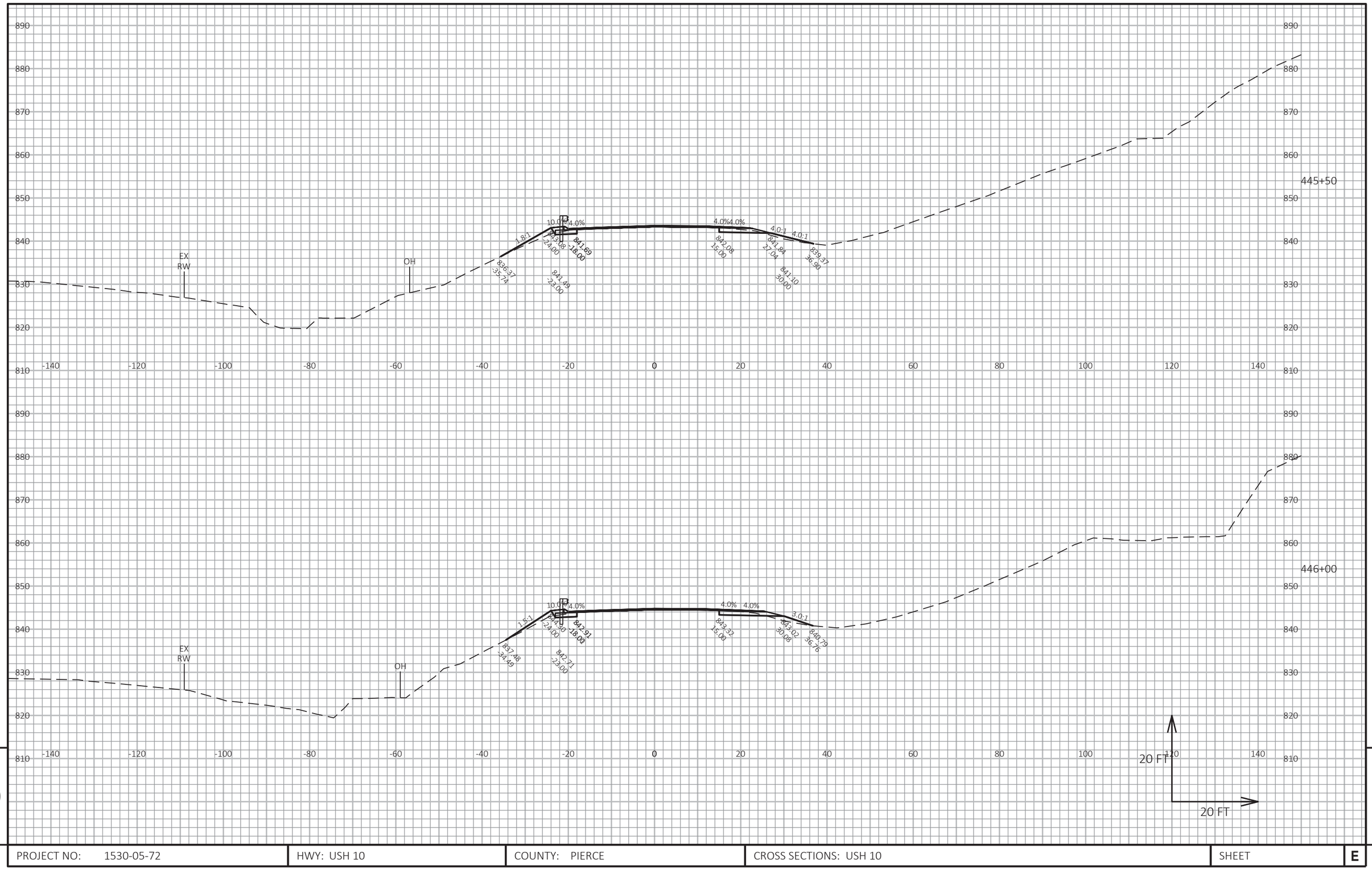
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 20

PLOT DATE : 7/2/2019 2:33 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 21

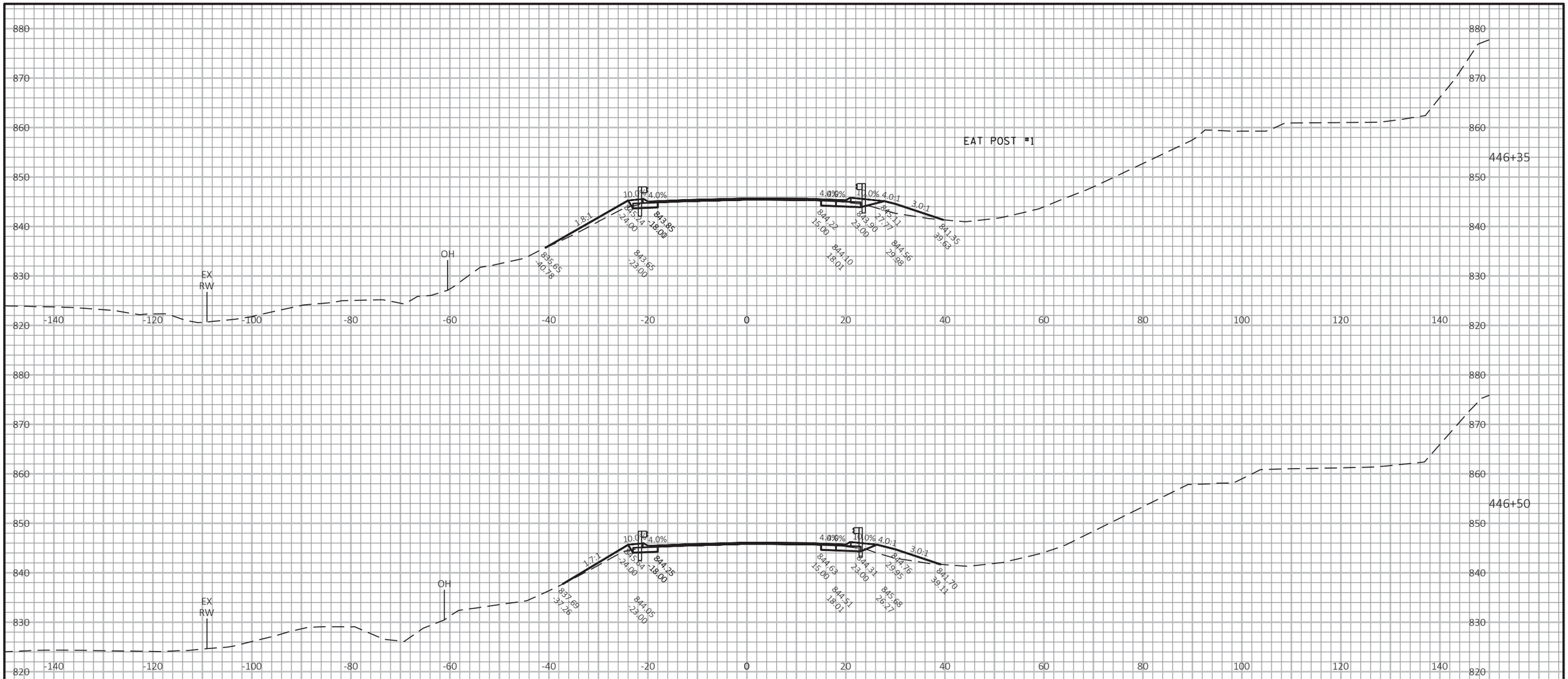
PLOT DATE : 7/2/2019 2:34 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 22

PLOT DATE : 7/2/2019 2:34 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

EAT POST #5

446+60

EX RW

OH

10.0% 4.0% 1:7.1 844.50 18.00 844.30 23.00 838.89 35.66 4.0% 4.0% 10.0% 4.0:1 3.0:1 844.89 15.00 844.57 23.00 844.89 29.93 844.82 39.11 844.77 18.01 846.08 25.33

EAT POST #9

446+85

EX RW

OH

10.0% 4.0% 1:7.1 845.14 18.00 844.94 23.00 841.03 35.17 4.0% 4.0% 10.0% 4.0:1 3.0:1 845.52 15.00 845.20 23.00 845.40 30.00 842.42 38.63 845.40 18.01 846.80 24.00

447+00

EX RW

OH

10.0% 4.0% 1:8.1 845.56 18.00 845.36 23.00 839.59 36.88 4.0% 4.0% 10.0% 3.0:1 845.91 15.00 845.59 23.00 843.27 35.71 845.79 18.01 847.19 24.00

20 FT

20 FT

9

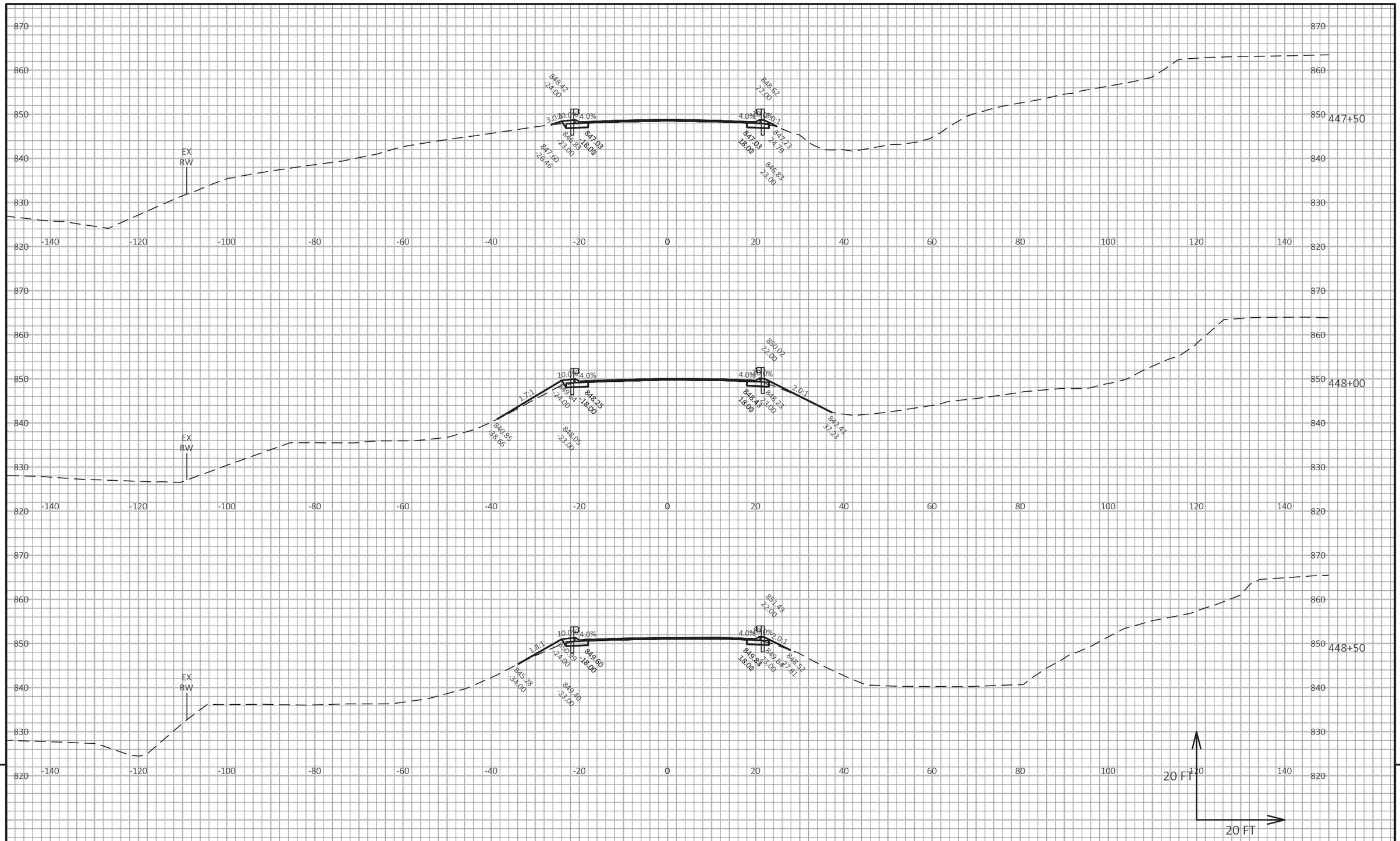
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 23

PLOT DATE : 7/2/2019 2:35 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



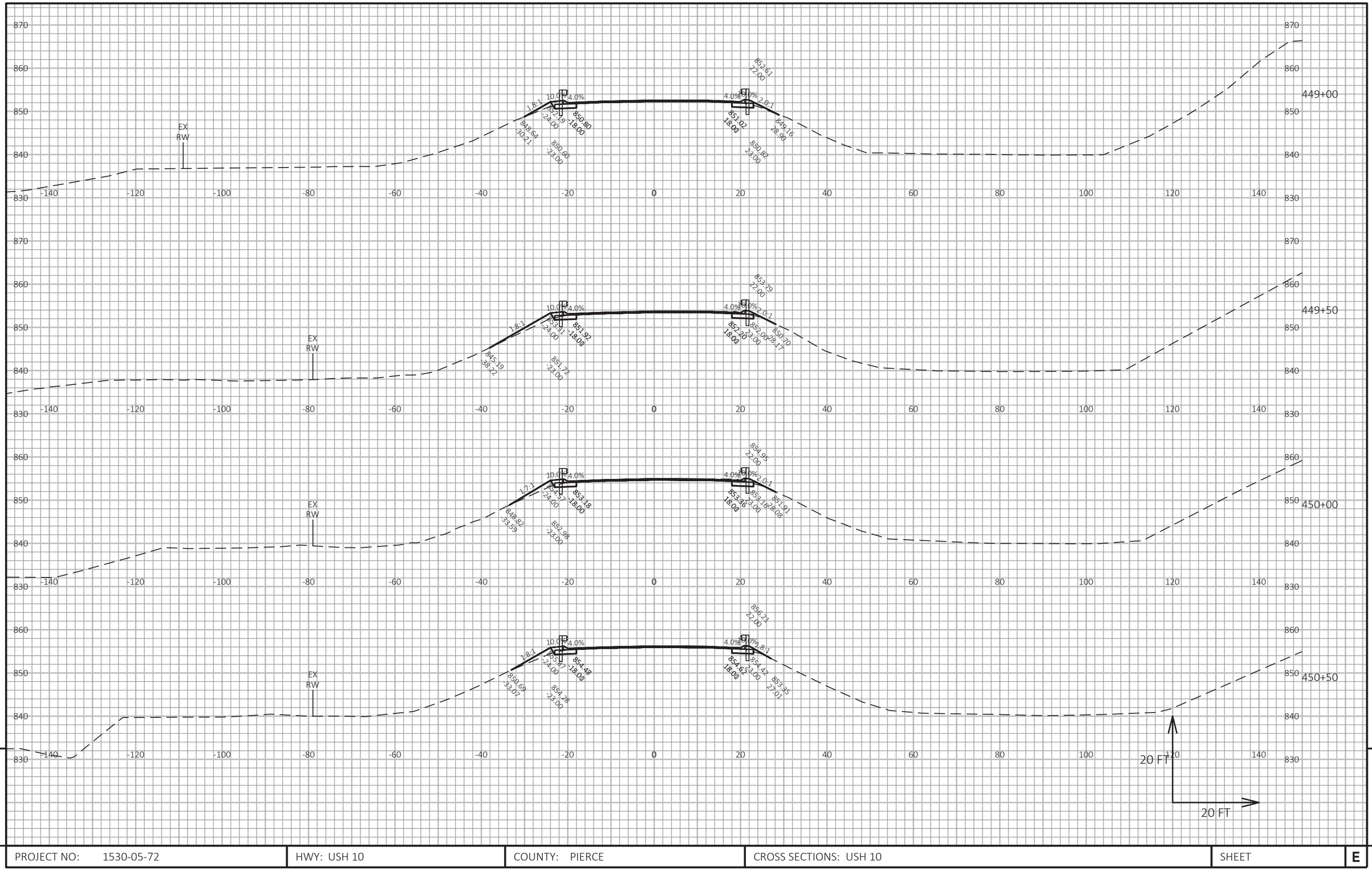
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 24

PLOT DATE : 7/2/2019 2:35 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

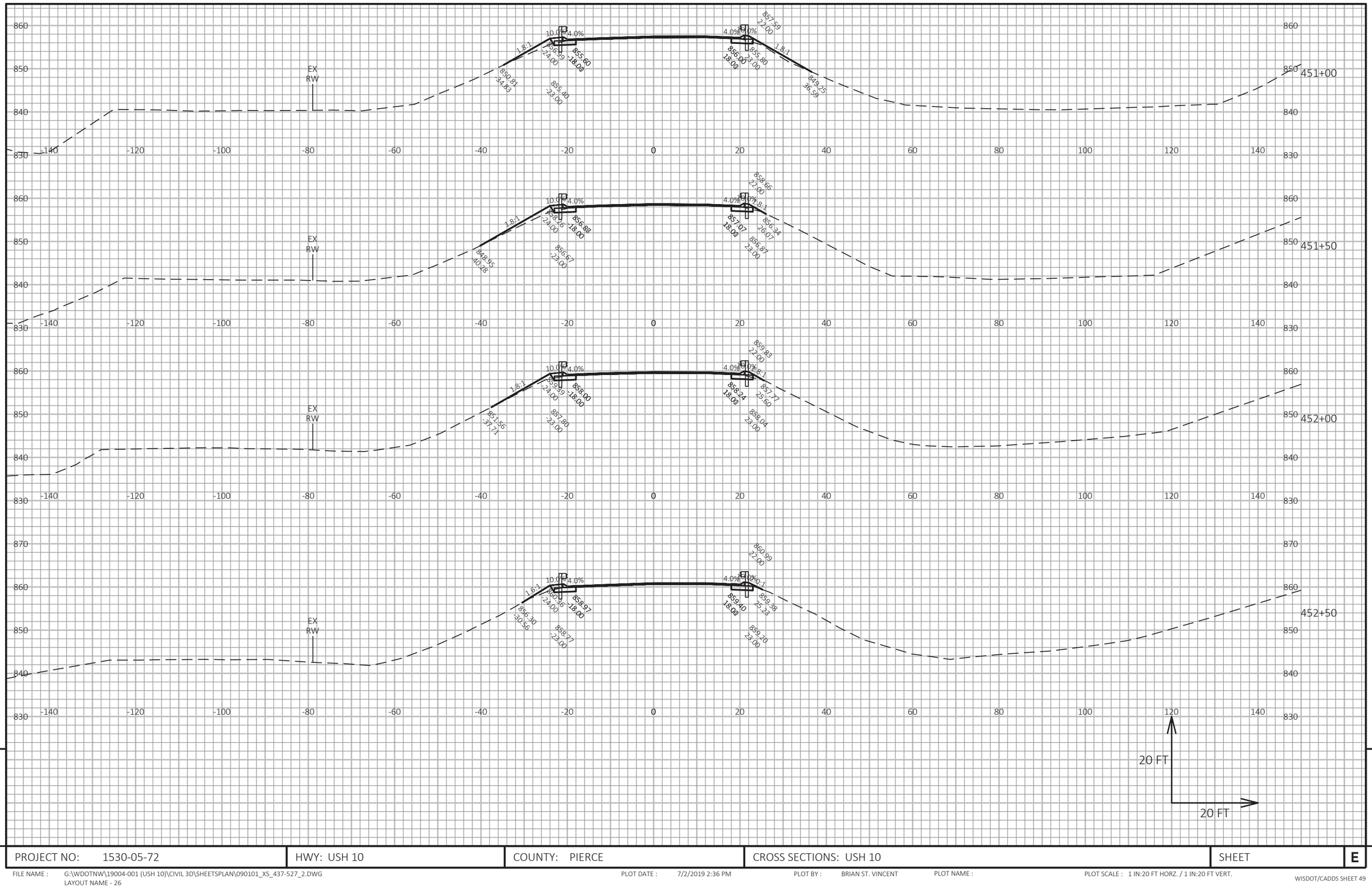
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 25

PLOT DATE : 7/2/2019 2:36 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

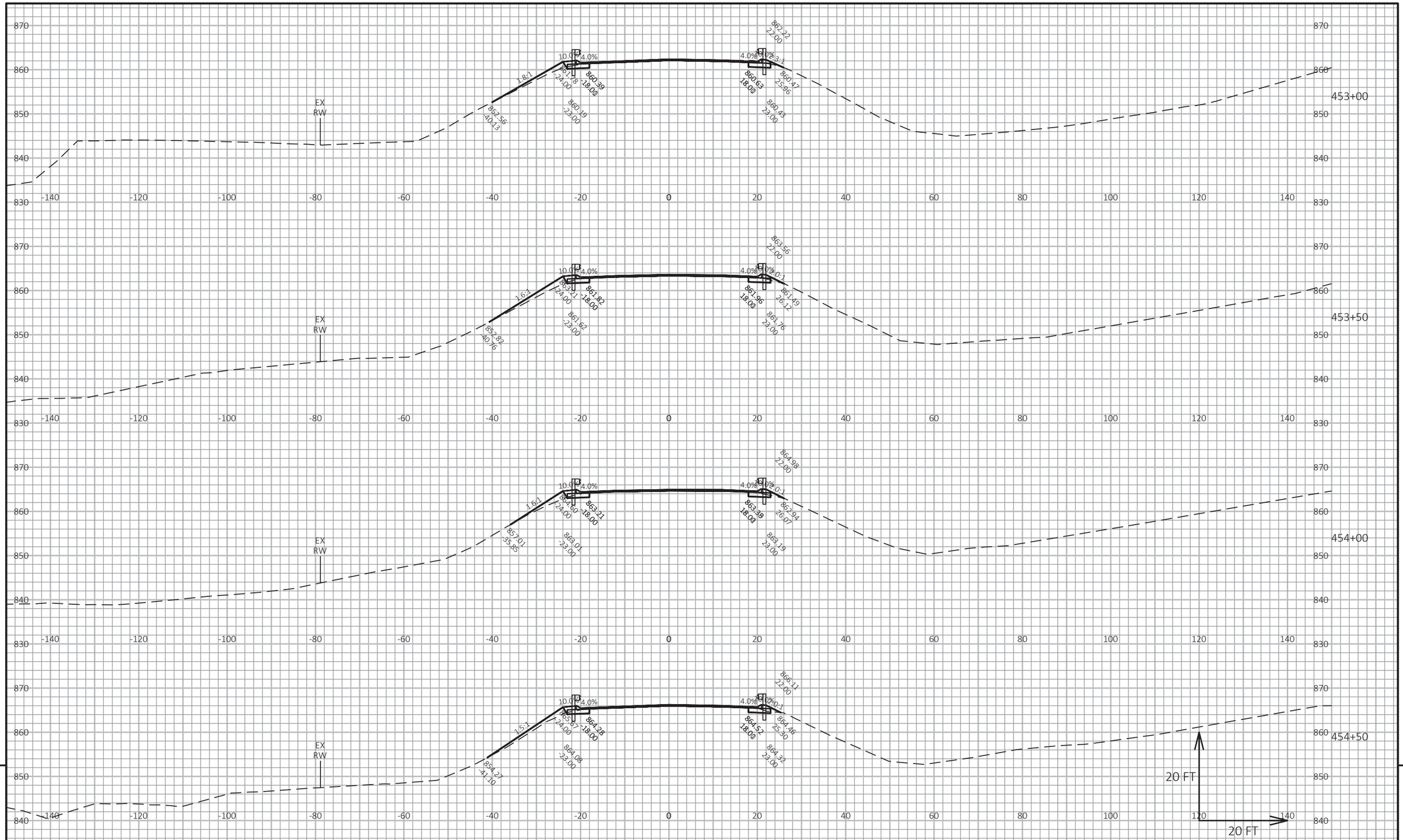


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 26

PLOT DATE : 7/2/2019 2:36 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 27

PLOT DATE : 7/2/2019 2:36 PM

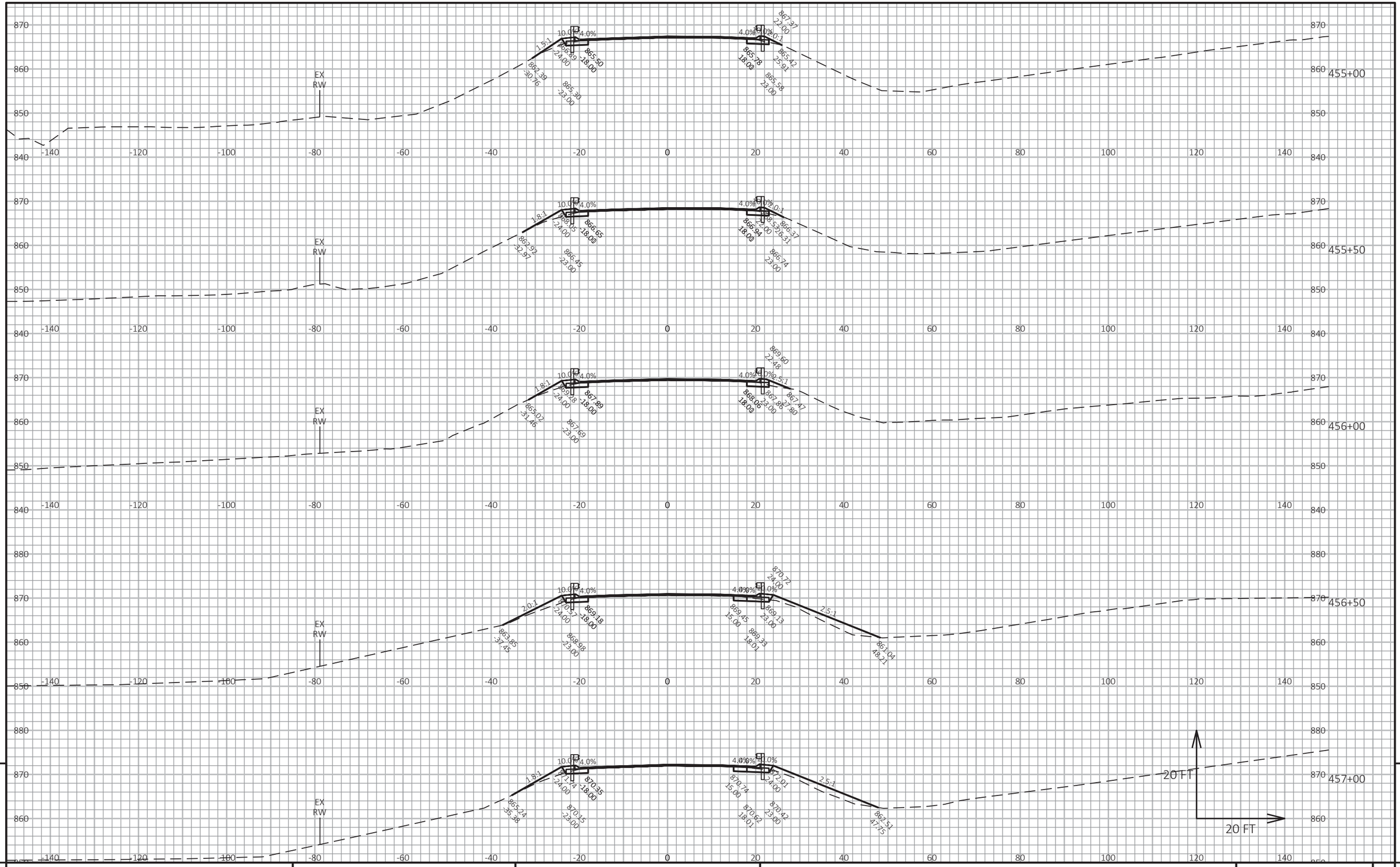
PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 28

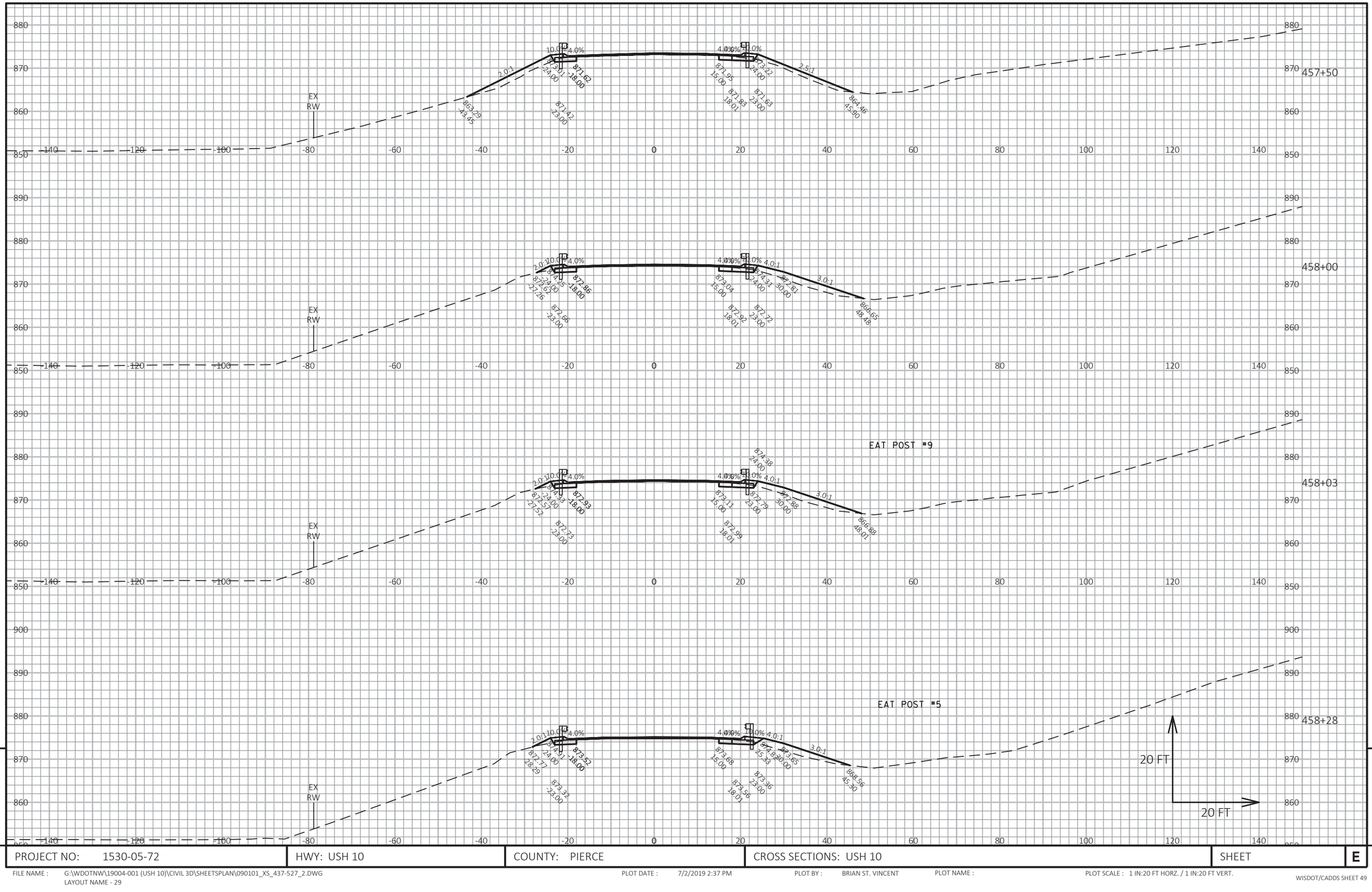
PLOT DATE : 7/2/2019 2:37 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 29

PLOT DATE : 7/2/2019 2:37 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

458+50

EX RW

458+53

EAT POST #1

459+00

EX RW

20 FT

20 FT

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 30

PLOT DATE : 7/2/2019 2:38 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

459+50

EX RW

10.0:1 4.0% 4.0% 4.0% 10.0:1

2.41:1 874.17 -35.95 877.33 -24.00 875.44 -18.00 876.44 -15.00 876.22 -26.30 875.02 -21.07

875.94 -22.00

460+00

EX RW

10.0:1 4.0% 4.0% 10.0:1

2.0:1 874.92 -31.42 877.33 -24.00 877.23 -18.00 877.55 -15.00 877.58 -23.26 877.01 -27.00

877.03 -22.00

20 FT

20 FT

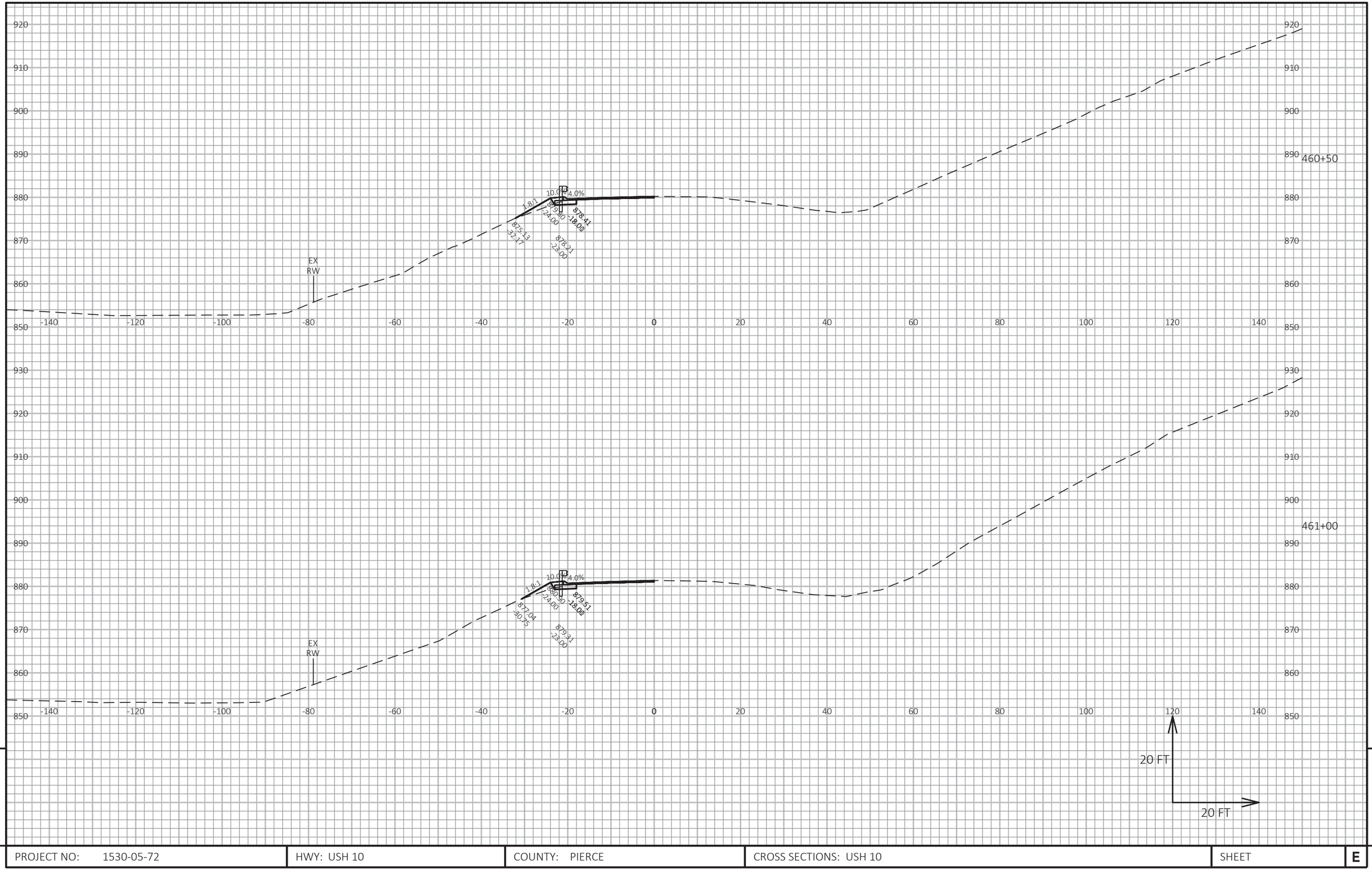
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 31

PLOT DATE : 7/2/2019 2:38 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 32

PLOT DATE : 7/2/2019 2:38 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

950
940
930
920
910
900
890
880
870
860
850

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

EX
RW

875.80
-35.19

7.87

10.00
4.0%

882.10
-24.00

880.60
-23.00

880.80
-18.00

461+50

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 33

PLOT DATE : 7/2/2019 2:39 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

960
950
940
930
920
910
900
890
880
870
860
850

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

462+00

EX
RW

10.0
4.0%
1:7
883.17
24.00
881.77
18.00
878.90
31.11
881.57
23.00

20 FT
20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 34

PLOT DATE : 7/2/2019 2:39 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

960
950
940
930
920
910
900
890
880
870
860
850

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

462+50

EX
RW

877.63
-35.39

882.51
-23.00

882.71
-18.00

882.10
-24.00

10.0%

4.0%

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 35

PLOT DATE : 7/2/2019 2:40 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

960
950
940
930
920
910
900
890
880
870
860
850

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

462+73

EAT POST #9

EX
RW

10.0
4.0%
7.8%
884.24
224.00
883.24
-15.00
876.80
-38.24
883.04
-22.00

20 FT
20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 36

PLOT DATE : 7/2/2019 2:40 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

960
950
940
930
920
910
900
890
880
870
860
850

EAT POST #5

EX
RW

10.0%
4.0%
1.8%
865.18
-24.00
863.79
-18.00
869.78
-34.72
863.59
-23.00

462+98

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

20 FT
20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 37

PLOT DATE : 7/2/2019 2:40 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

960
950
940
930
920
910
900
890
880
870
860
850

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

463+00

EX
RW

4.0% 4.0%

876.23
43.40

2.37
263.71
863.65
18.00
883.82

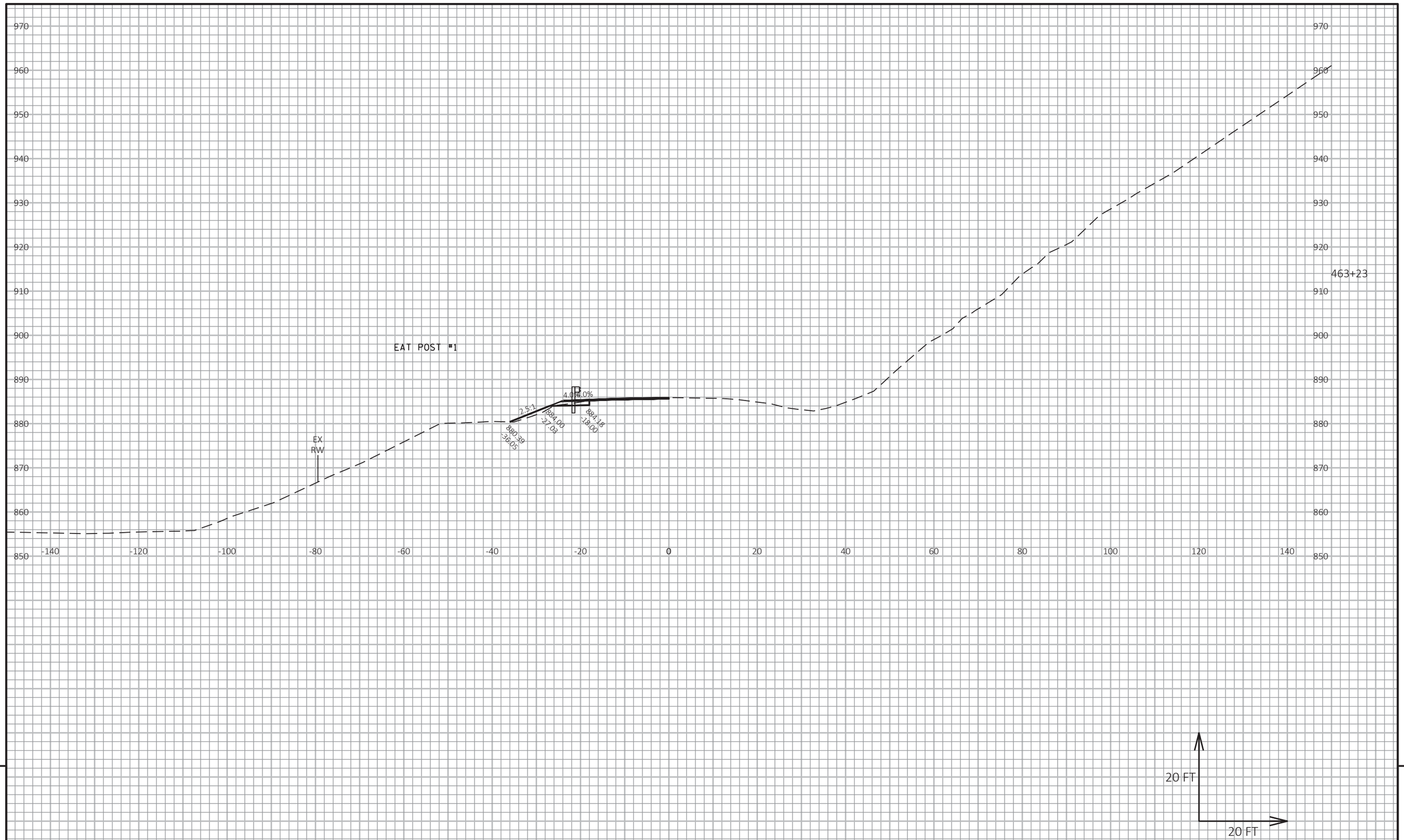
20 FT
20 FT

9 9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 38

PLOT DATE : 7/2/2019 2:41 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 39

PLOT DATE : 7/2/2019 2:41 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

970
960
950
940
930
920
910
900
890
880
870
860
850

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

463+50

10.0%

883.99
22.99

884.59
18.00

884.86
28.00

EX
RW

20 FT

20 FT

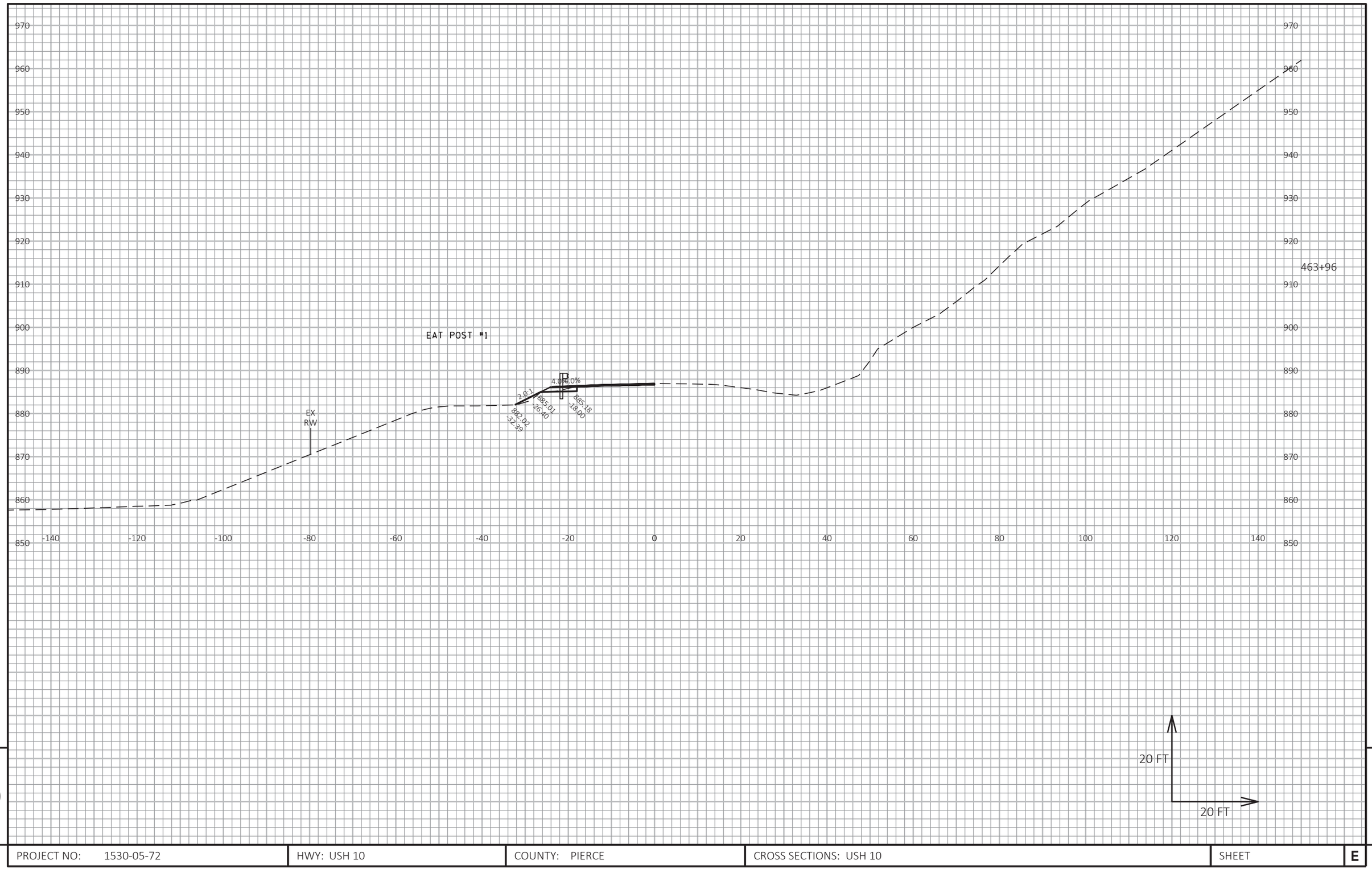
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_2.DWG
LAYOUT NAME - 40

PLOT DATE : 7/2/2019 2:42 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

9

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 10

PLOT DATE : 7/2/2019 3:10 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

970
960
950
940
930
920
910
900
890
880
870
860
850

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

464+00

EX
RW

2.0%
4.0%
4.0%
2.0%
881.39
-33.76
885.07
-26.40
885.24
-18.00

20 FT
20 FT

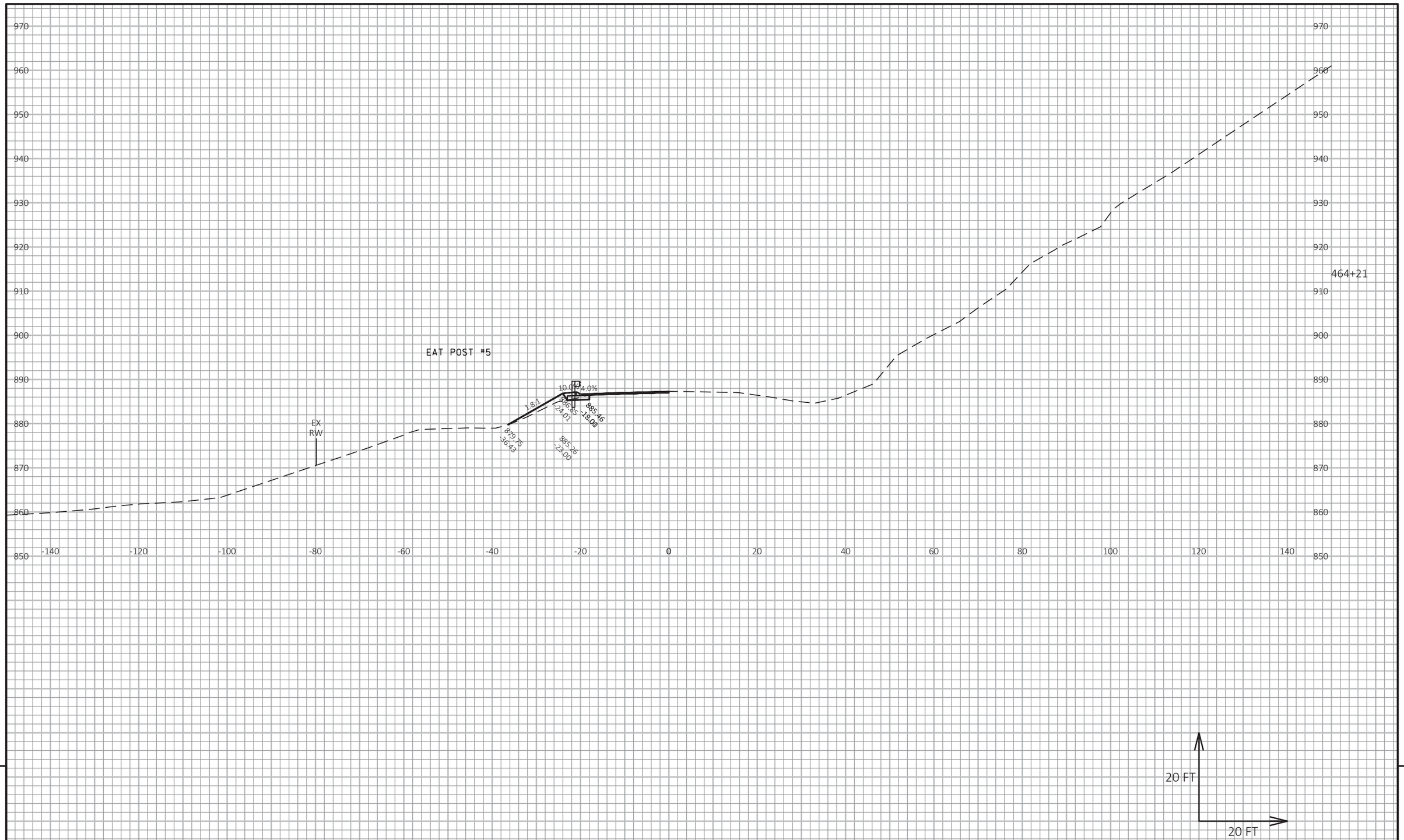
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 11

PLOT DATE : 7/2/2019 3:10 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 12

PLOT DATE : 7/2/2019 3:10 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

9

960
950
940
930
920
910
900
890
880
870
860

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

EAT POST #9

EX
RW

879.62
-37.00

1:8:1

887.05
-24.00

10.0%

4.0%

885.46
-18.01

4.0%

885.90
-12.00

885.45
-23.00

464+45

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 13

PLOT DATE : 7/2/2019 3:11 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

960
950
940
930
920
910
900
890
880
870
860
-140
-120
-100
-80
-60
-40
-20
0
20
40
60
80
100
120
140
464+50
EX
RW
879.69
-36.92
885.50
-22.00
887.09
-24.00
885.70
-18.01
885.94
-12.00
10.0%
4.0%
6.0%
1:3
20 FT
20 FT
9
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 14

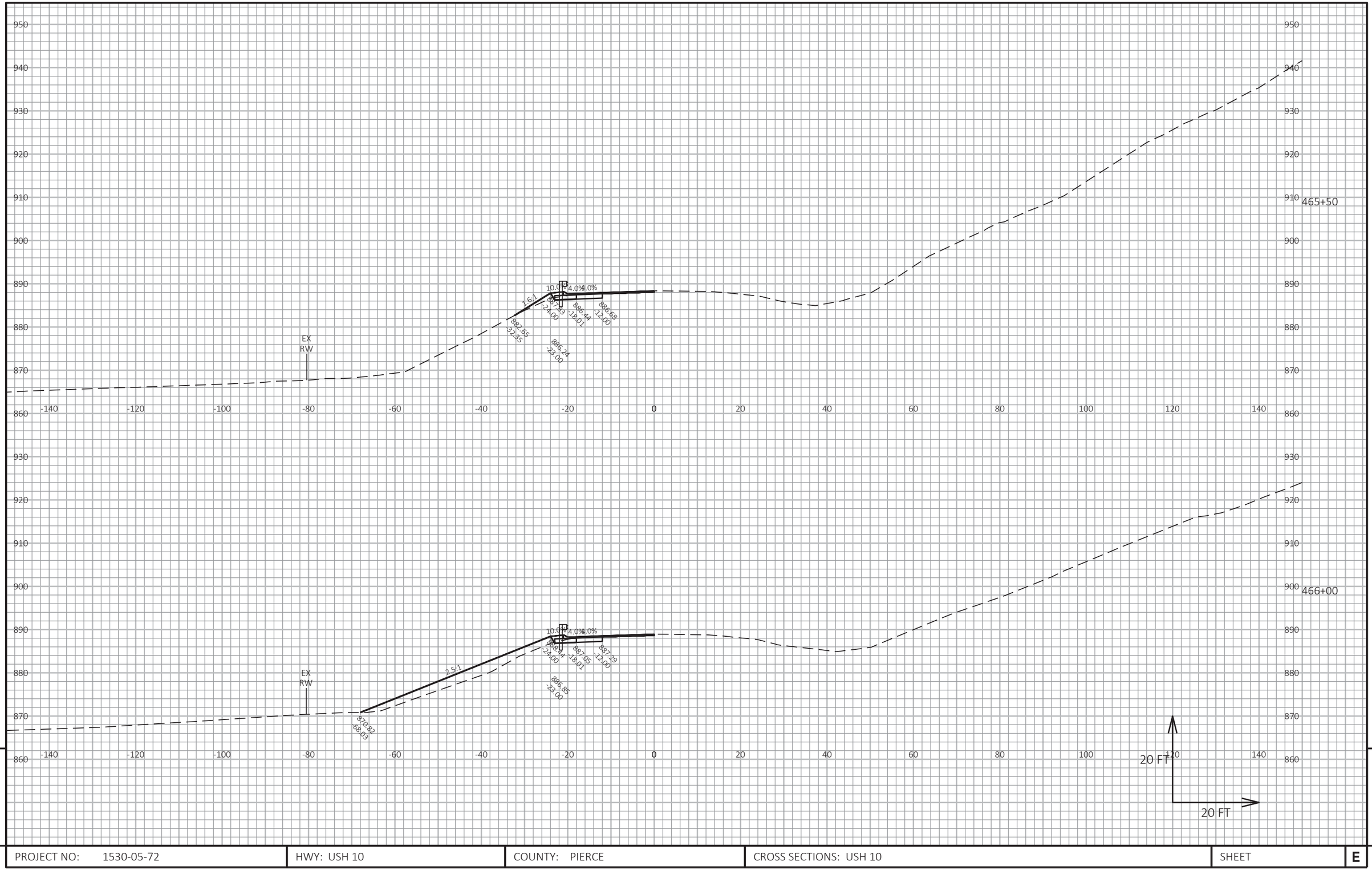
PLOT DATE : 7/2/2019 3:11 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

960
950
940
930
920
910
900
890
880
870
860
-140
-120
-100
-80
-60
-40
-20
0
20
40
60
80
100
120
140
465+00
EX
RW
10.0
4.0%
4.0%
7.1%
880.12
-36.28
883.49
-24.00
885.90
-23.00
886.10
-19.01
886.34
-12.00
20 FT
20 FT
9
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 15

PLOT DATE : 7/2/2019 3:12 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 16

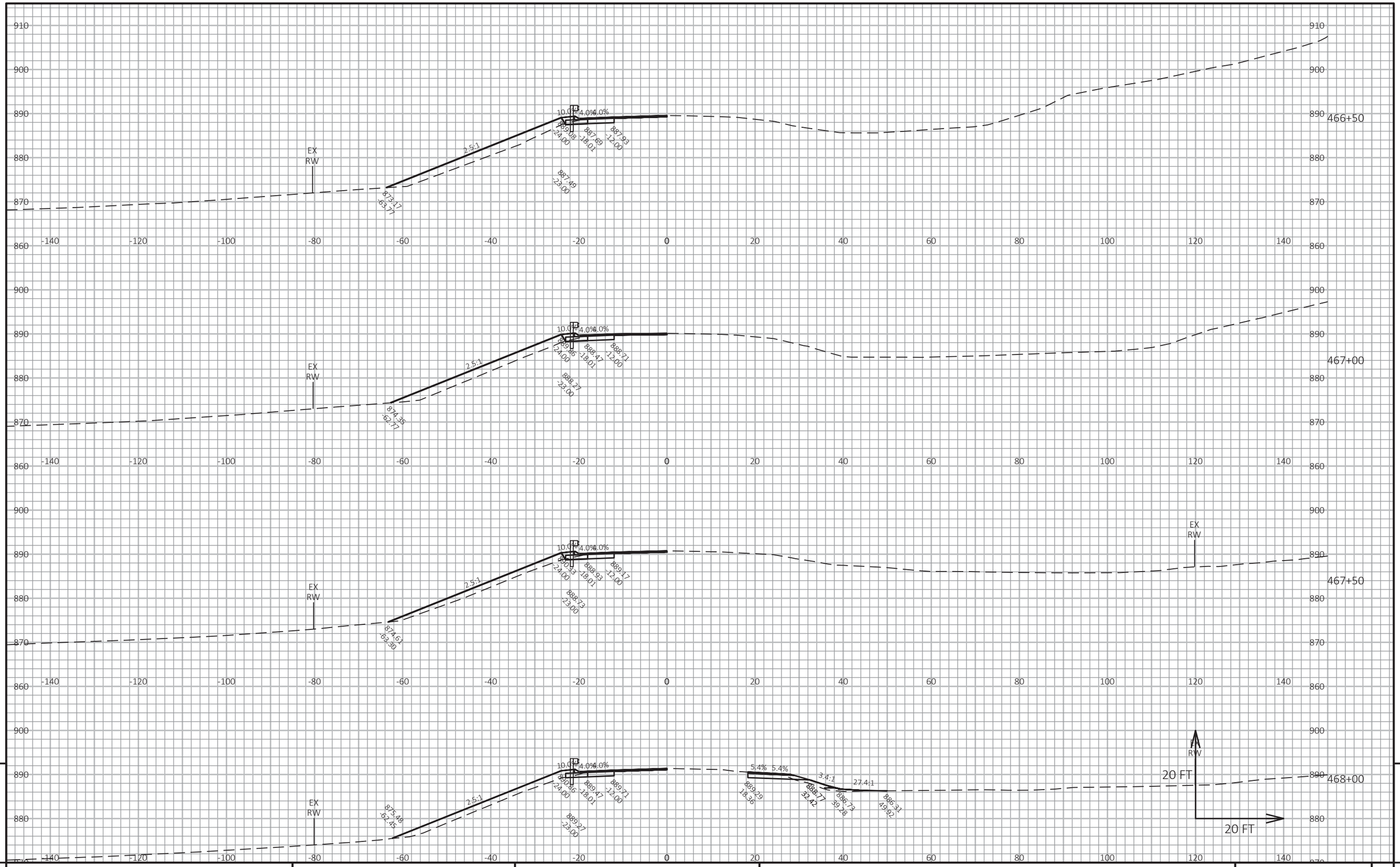
PLOT DATE : 7/2/2019 3:12 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

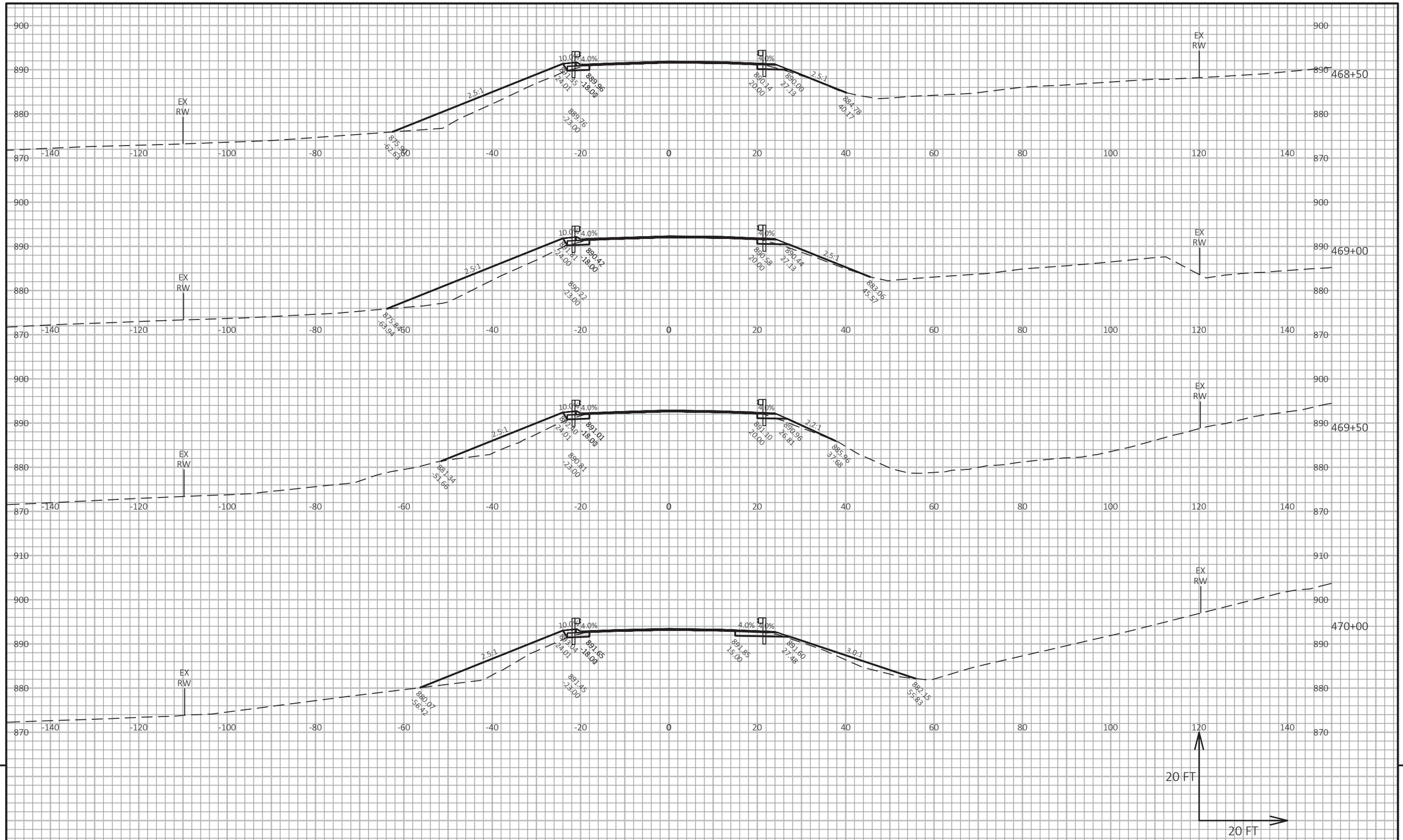
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 17

PLOT DATE : 7/2/2019 3:12 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 18

PLOT DATE : 7/2/2019 3:13 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

EAT POST #9

EX RW

470+14

10.00 4.0% 4.0% 4.0% 4.0% 4.0:1 3.0:1 2.5:1

891.80 -18.00 892.00 15.00 891.41 30.00 891.73 28.74 892.52 56.08 891.60 22.00 879.49 -58.26

EAT POST #5

EX RW

470+39

10.00 4.0% 4.0% 4.0% 4.0% 4.0:1 3.0:1 2.5:1

892.08 -18.00 892.28 15.00 891.97 30.00 891.98 29.96 893.53 55.31 891.88 22.00 877.83 -63.09

EX RW

470+50

10.00 4.0% 4.0% 4.0% 4.0% 4.0:1 3.0:1 2.5:1

892.19 -18.00 892.39 15.00 892.07 30.93 893.90 55.44 891.98 22.00 878.17 -62.68

20 FT

20 FT

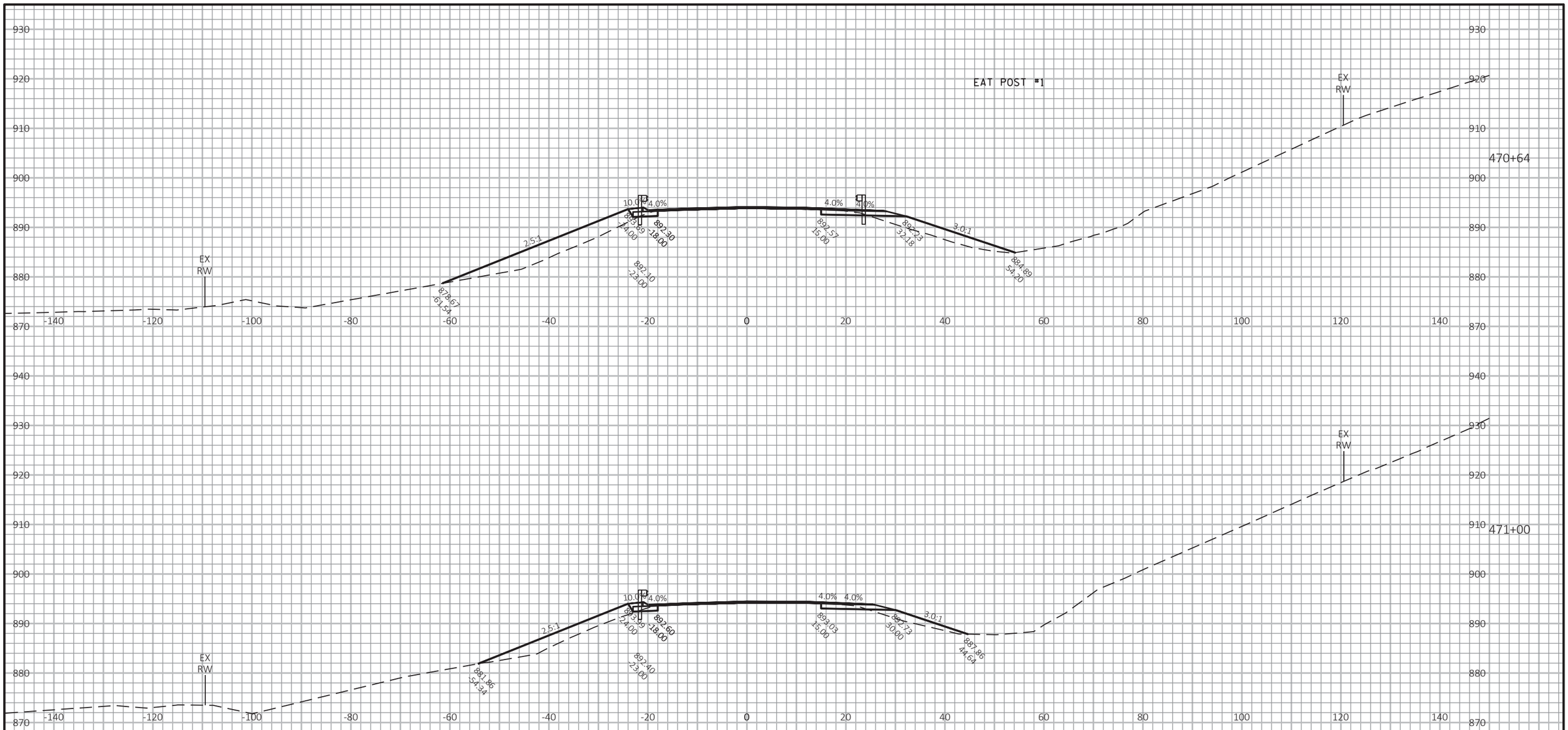
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 19

PLOT DATE : 7/2/2019 3:13 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 20

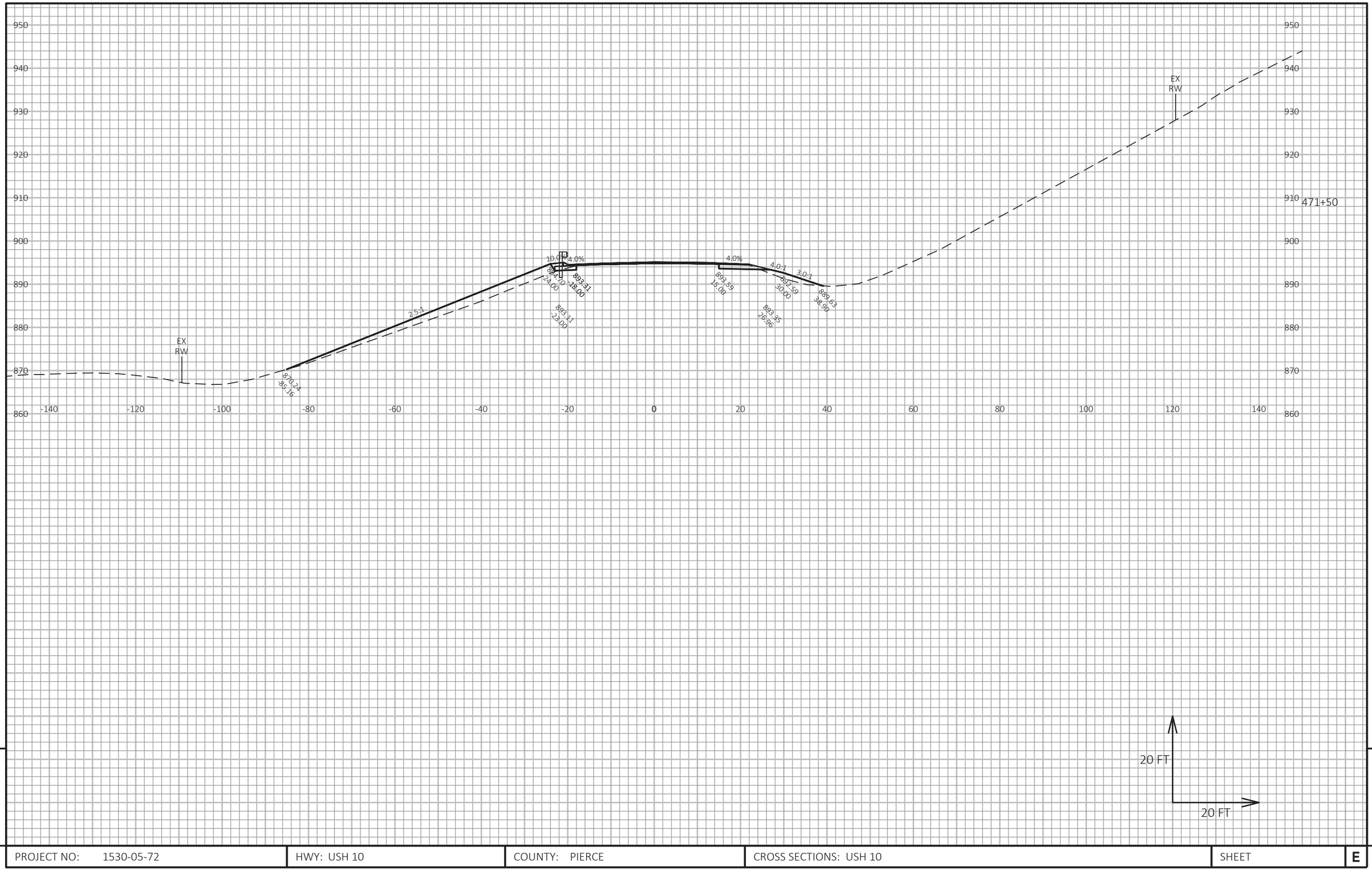
PLOT DATE : 7/2/2019 3:13 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

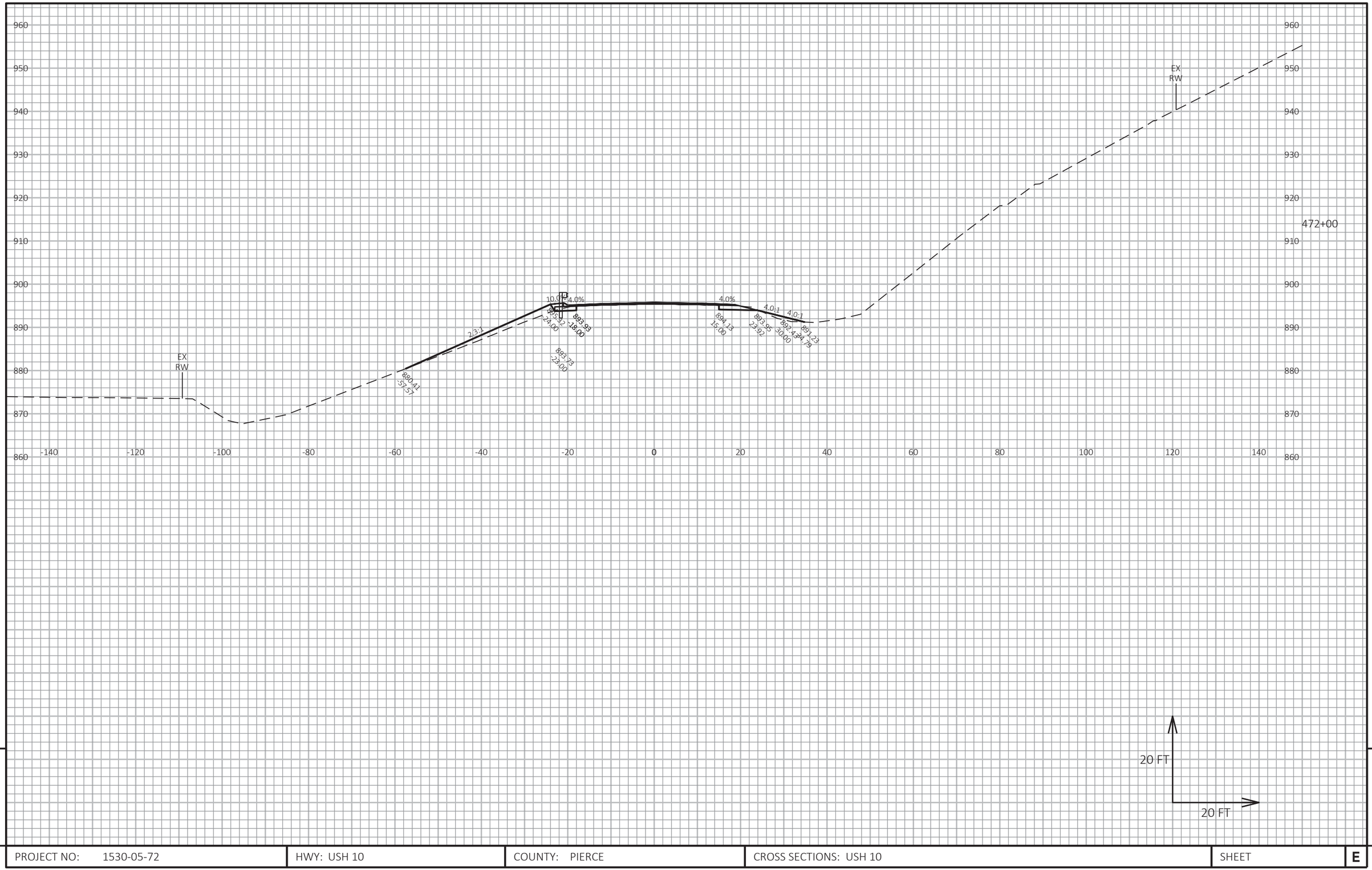
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 21

PLOT DATE : 7/2/2019 3:14 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

9

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 22

PLOT DATE : 7/2/2019 3:14 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

960
950
940
930
920
910
900
890
880
870
860

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

EX RW

EX RW

472+11

BEGIN EAT TAPER

10.00

4.0%

4.0%

2.3:1

4.0:1

4.0:1

891.11
-56.23

894.04
-18.00

894.24
15.00

894.07
23.26

892.39
30.00

891.70
32.73

893.84
-22.00

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 23

PLOT DATE : 7/2/2019 3:15 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

970
960
950
940
930
920
910
900
890
880
870
-140
-120
-100
-80
-60
-40
-20
0
20
40
60
80
100
120
140

EX RW

EX RW

472+50

10.0
4.0%
2.5:1
894.46
-18.00
894.47
-18.00
894.22
-22.00
884.86
-51.50

20 FT
20 FT

9

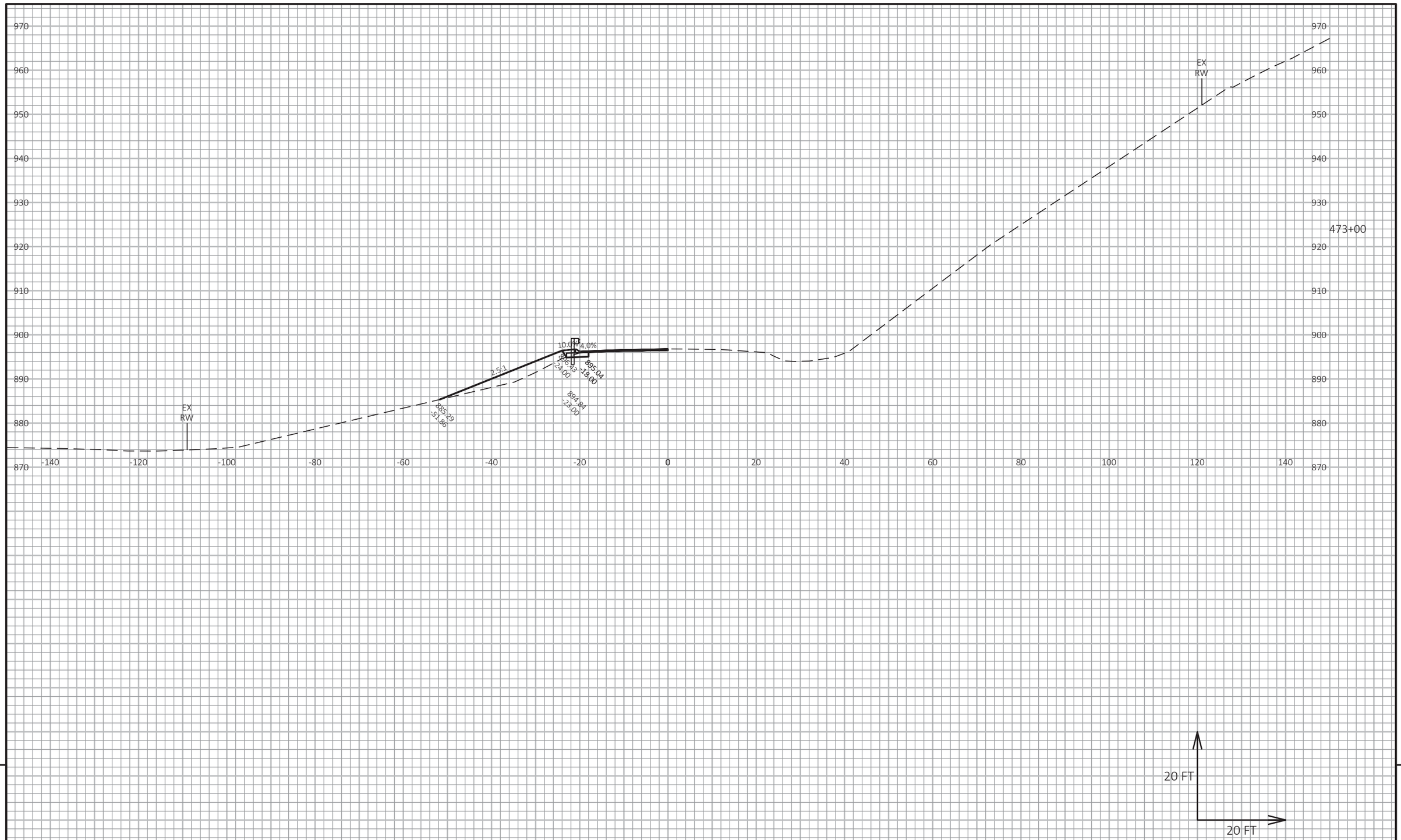
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 24

PLOT DATE : 7/2/2019 3:15 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 25

PLOT DATE : 7/2/2019 3:15 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

970
960
950
940
930
920
910
900
890
880
870
-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

EX RW

EX RW

473+50

10.0 @ 4.0%

2.5:1

895.60 -18.00

890.59 -40.00

895.40 -23.00

-24.00

20 FT

20 FT

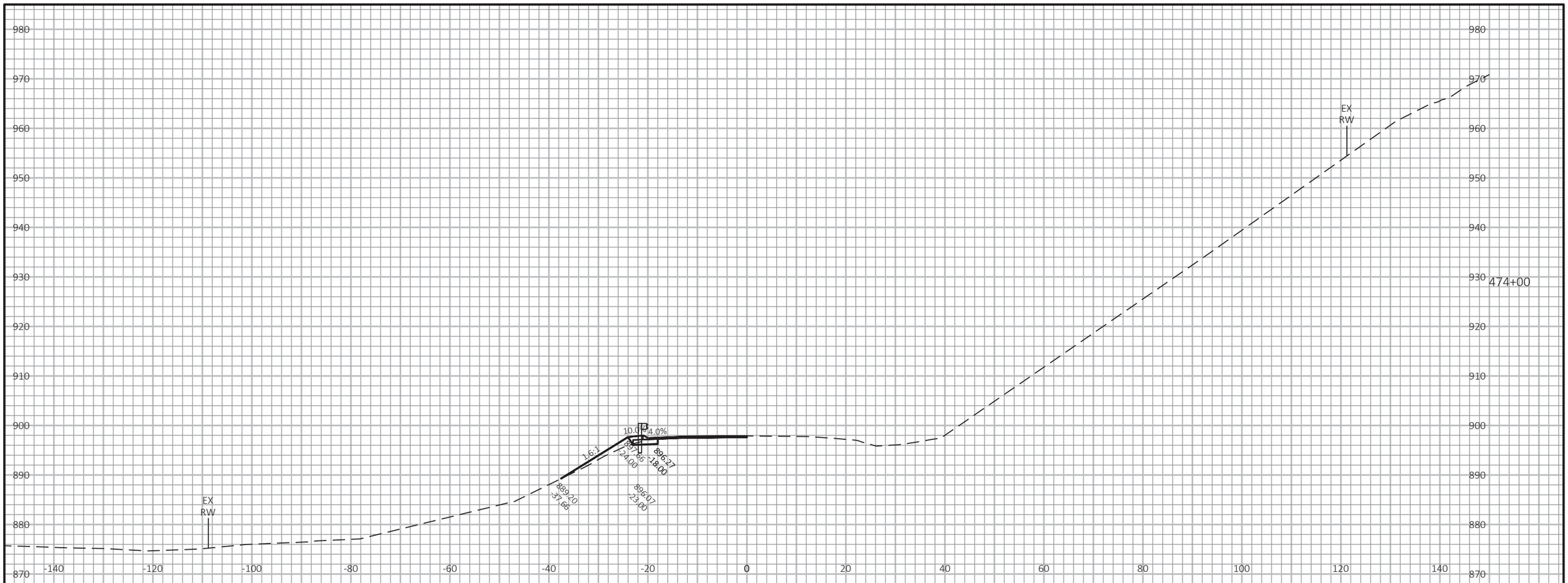
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 26

PLOT DATE : 7/2/2019 3:16 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 27

PLOT DATE : 7/2/2019 3:16 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

980
970
960
950
940
930
920
910
900
890
880
870

EX
RW

EX
RW

474+50

10.0
4.0%
7.67
888.04
-24.00
890.75
-35.77
896.45
-22.00
896.65
-18.00

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

20 FT
20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 28

PLOT DATE : 7/2/2019 3:16 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

970
960
950
940
930
920
910
900
890
880
870

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

EX RW

EX RW

475+00

10.0 @ 4.0%

-1.5%

898.30
-24.00

897.01
-18.00

889.81
-27.86

886.81
-22.99

20 FT

20 FT

9

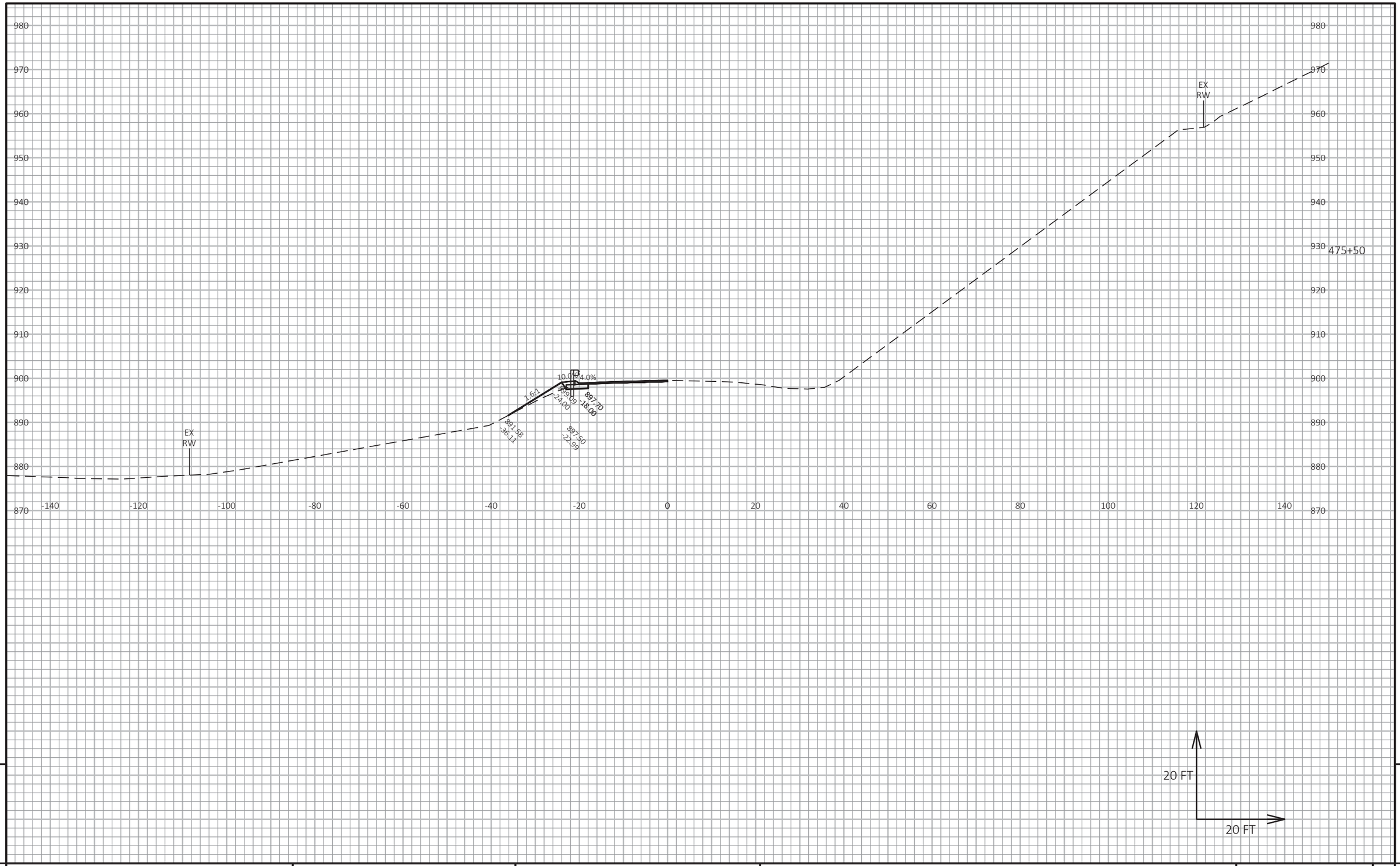
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 29

PLOT DATE : 7/2/2019 3:17 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



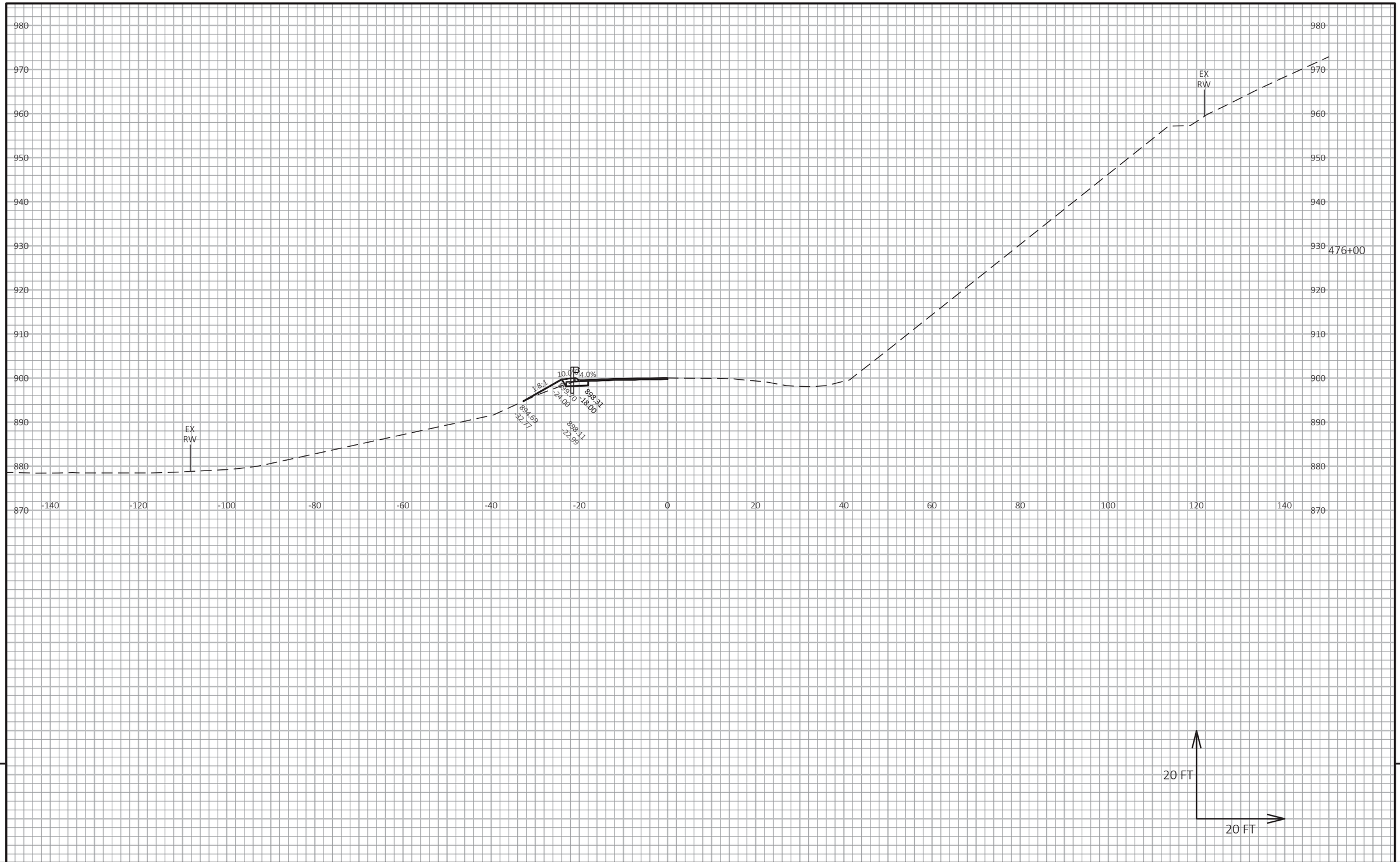
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 30

PLOT DATE : 7/2/2019 3:17 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 31

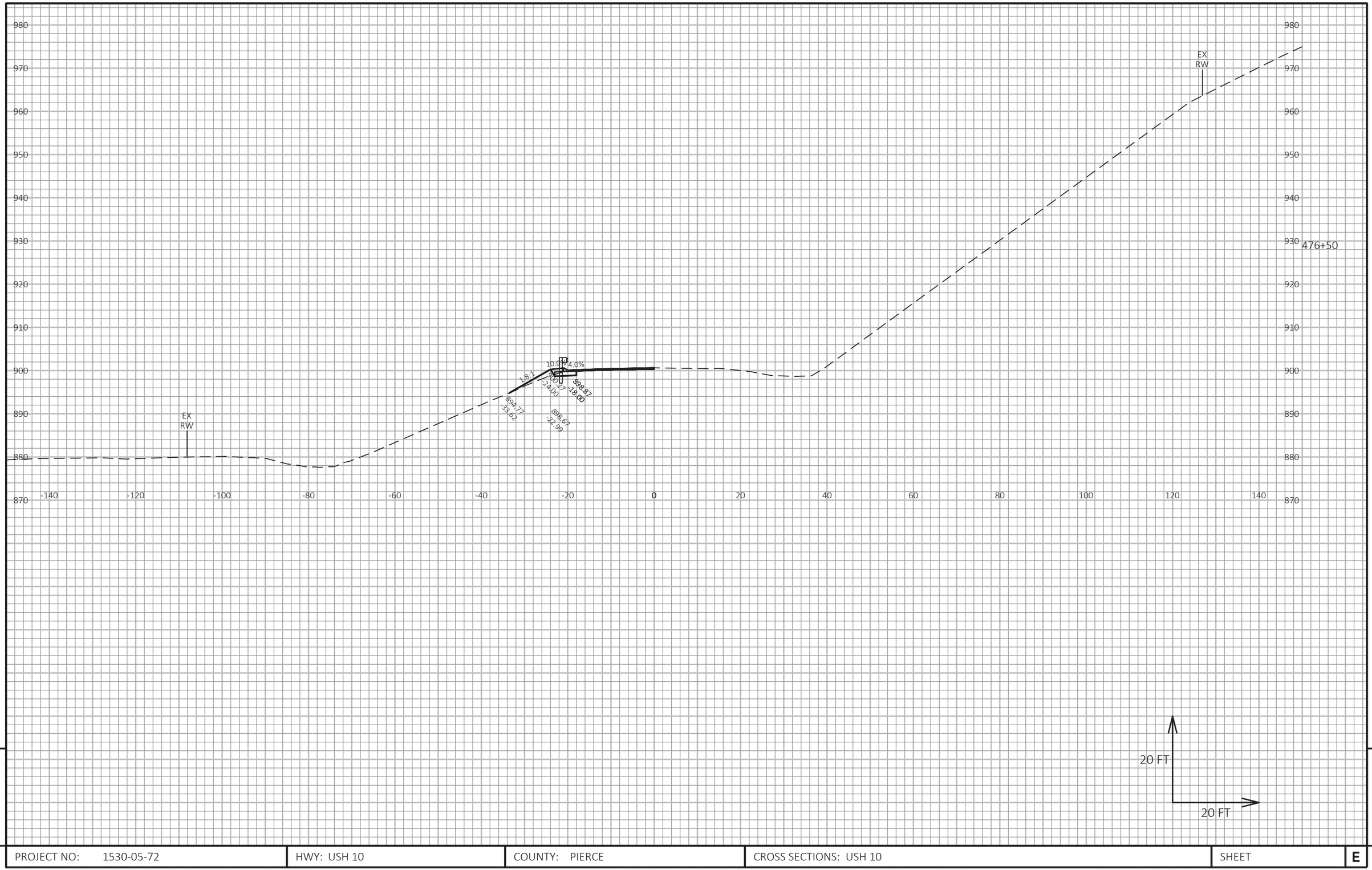
PLOT DATE : 7/2/2019 3:17 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



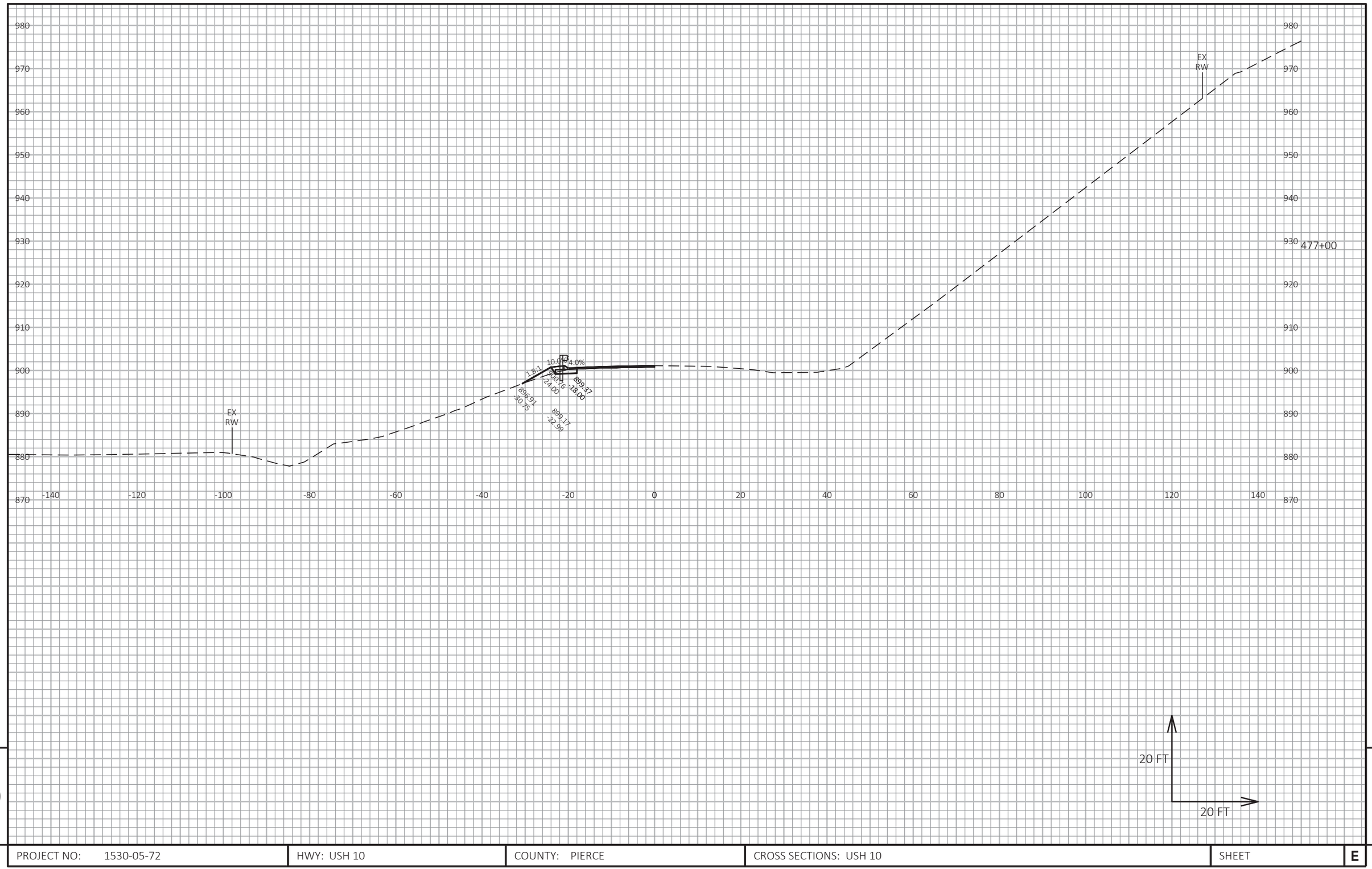
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 32

PLOT DATE : 7/2/2019 3:18 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 33

PLOT DATE : 7/2/2019 3:18 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

980
970
960
950
940
930
920
910
900
890
880

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

EX RW

EX RW

477+50

10.0 @ 4.0%

2.0:1

2.0:1

-24.00

-18.00

889.71

889.25

-39.68

889.51

-22.99

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 34

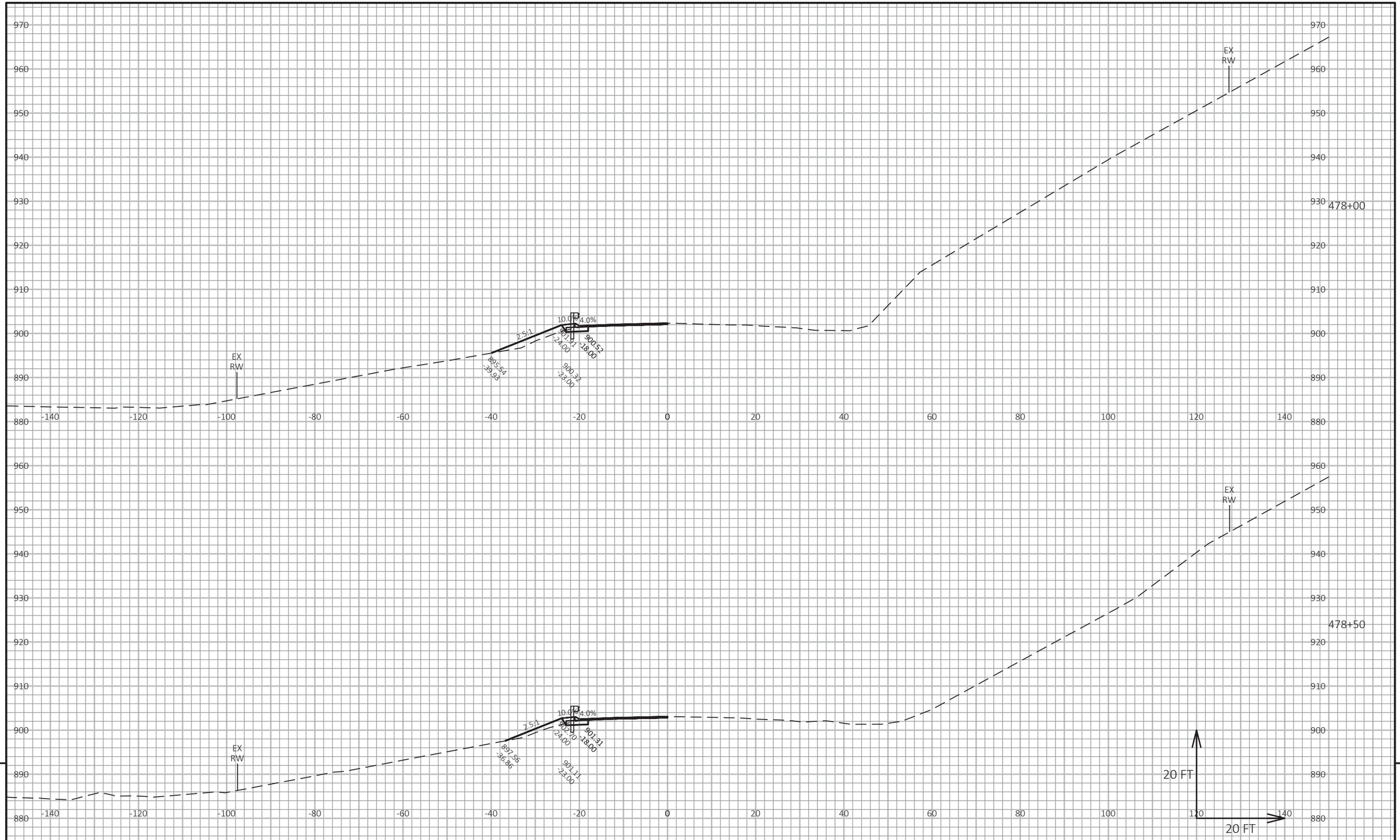
PLOT DATE : 7/2/2019 3:18 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

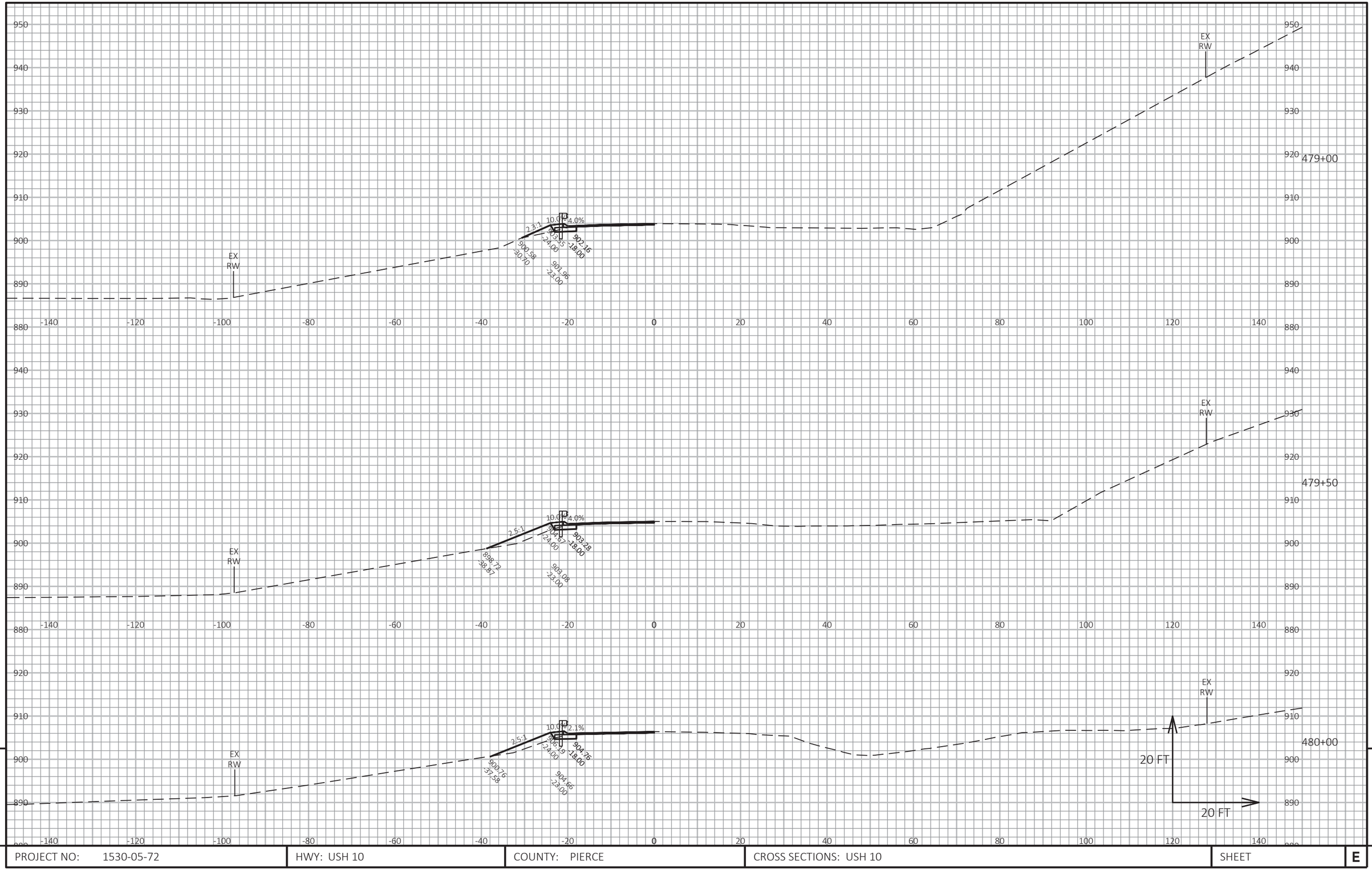
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 35

PLOT DATE : 7/2/2019 3:19 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

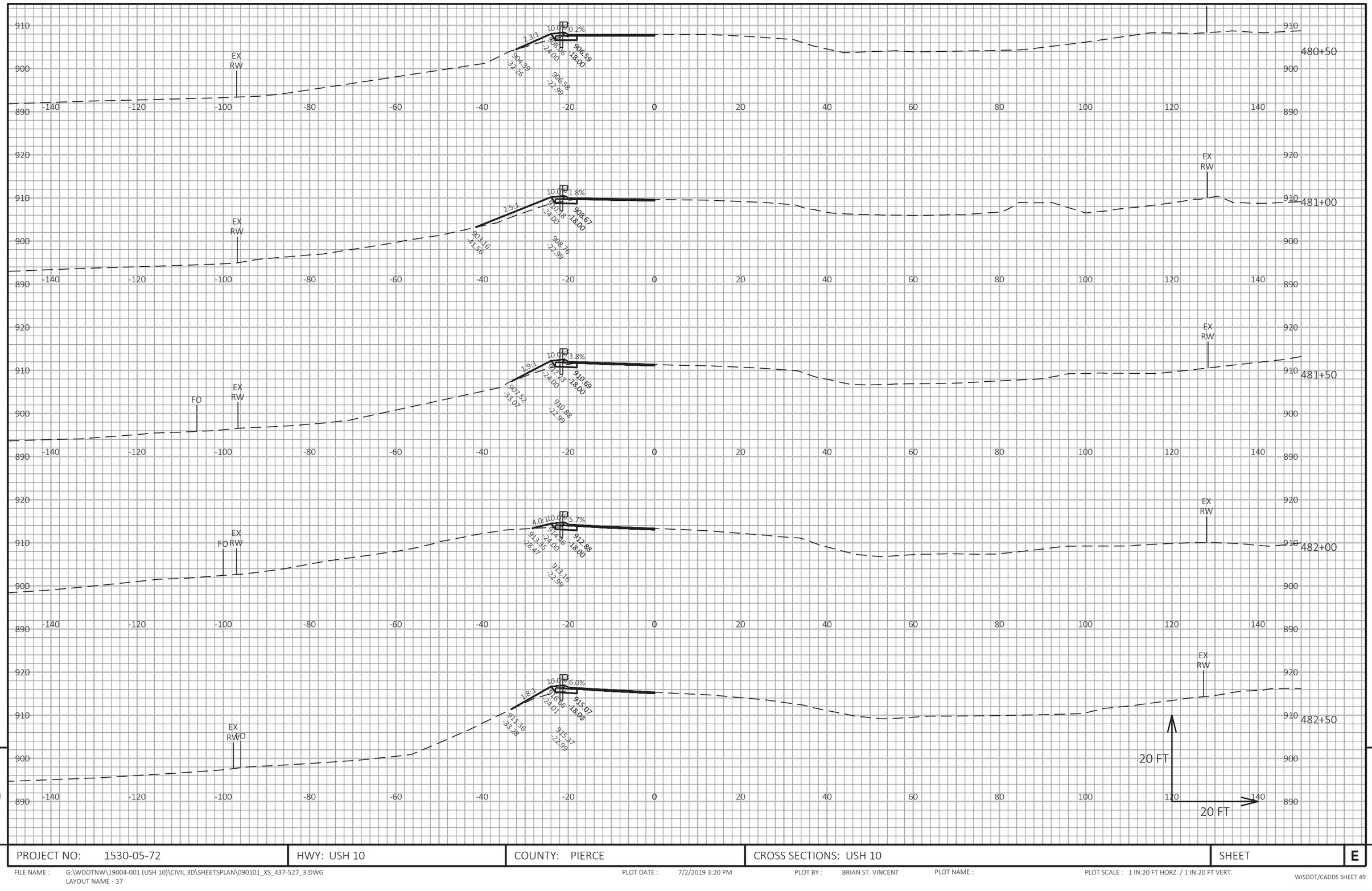
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 36

PLOT DATE : 7/2/2019 3:19 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

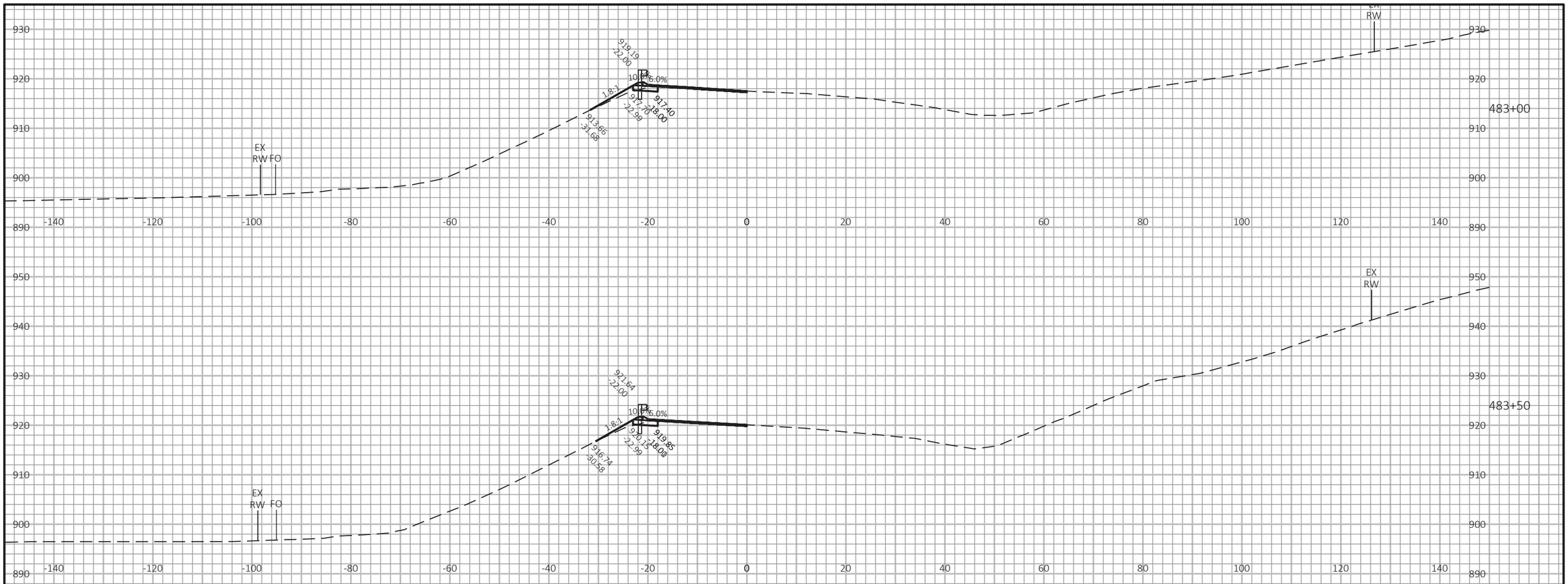
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 37

PLOT DATE : 7/2/2019 3:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 38

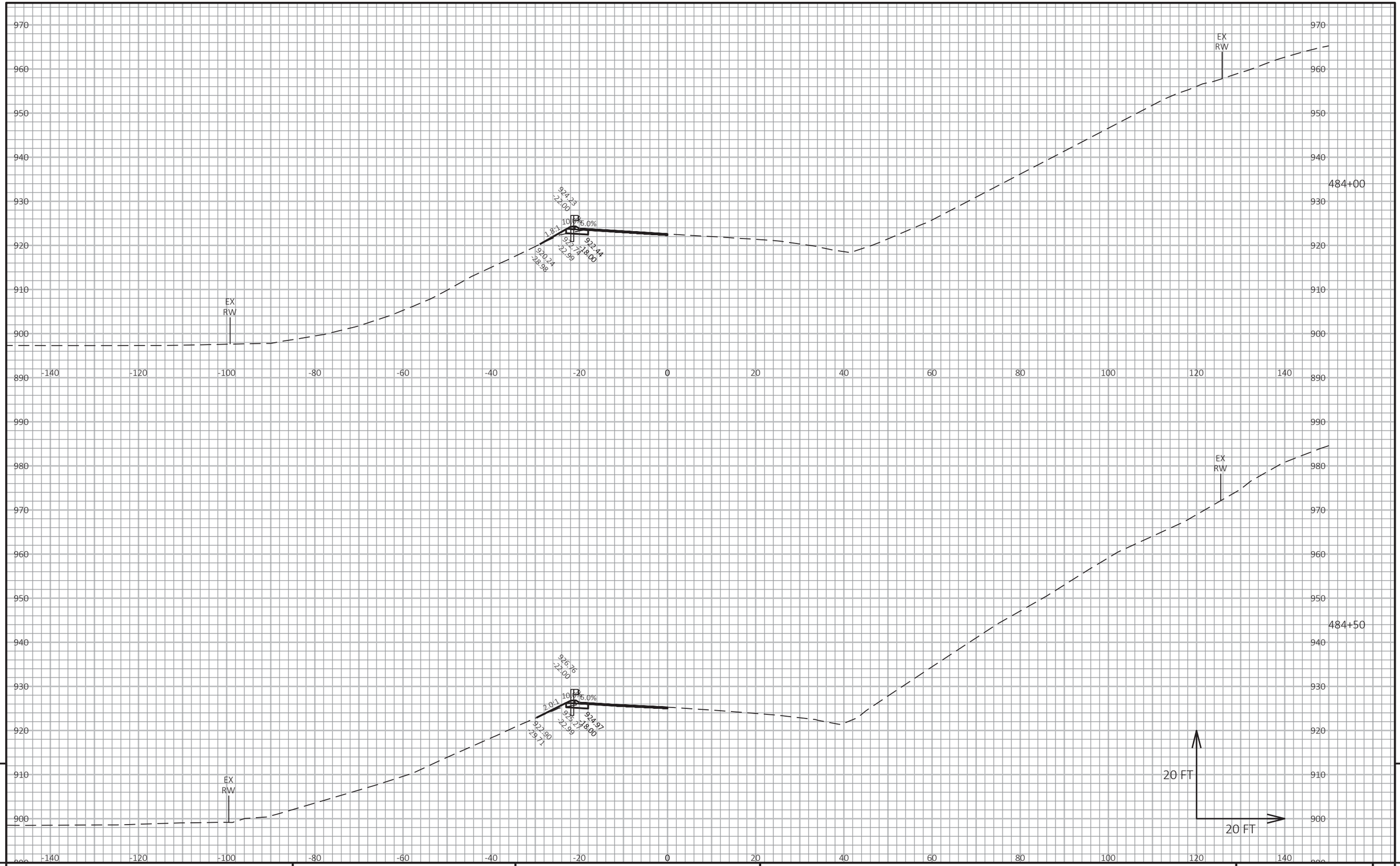
PLOT DATE : 7/2/2019 3:20 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 39

PLOT DATE : 7/2/2019 3:20 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

1000
990
980
970
960
950
940
930
920
910
900
890

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

EX RW

EX RW

485+00

929.38
22.00
10
6.0%
2.37
927.49
28.00
925.74
26.97
927.75
22.99

20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 40

PLOT DATE : 7/2/2019 3:21 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

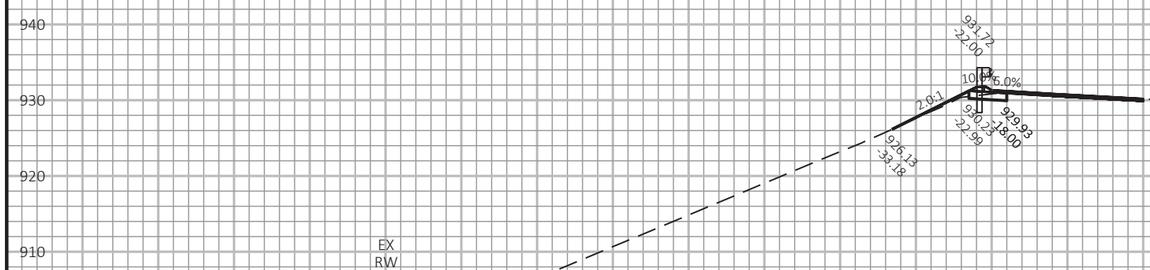
1000
990
980
970
960
950
940
930
920
910
900

EX RW

EX RW

485+50

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140



20 FT

20 FT

9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 41

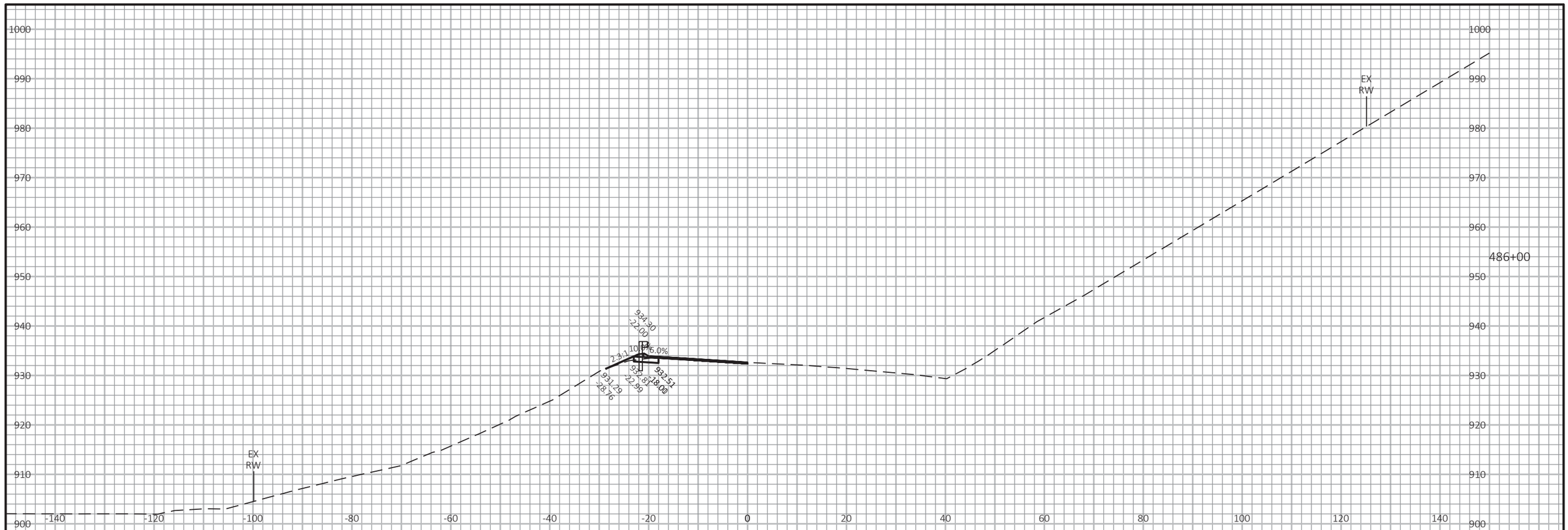
PLOT DATE : 7/2/2019 3:21 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

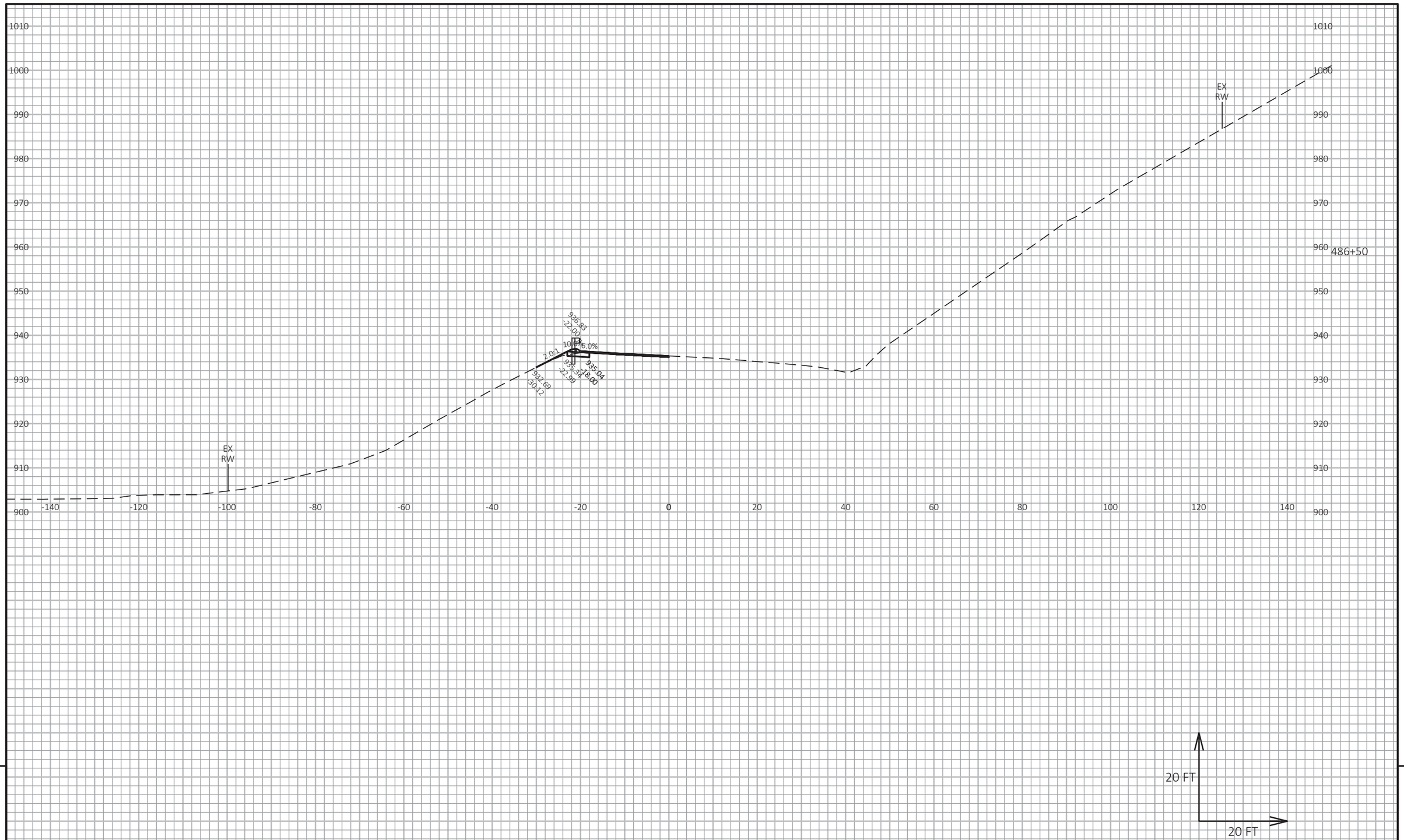
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 42

PLOT DATE : 7/2/2019 3:21 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 43

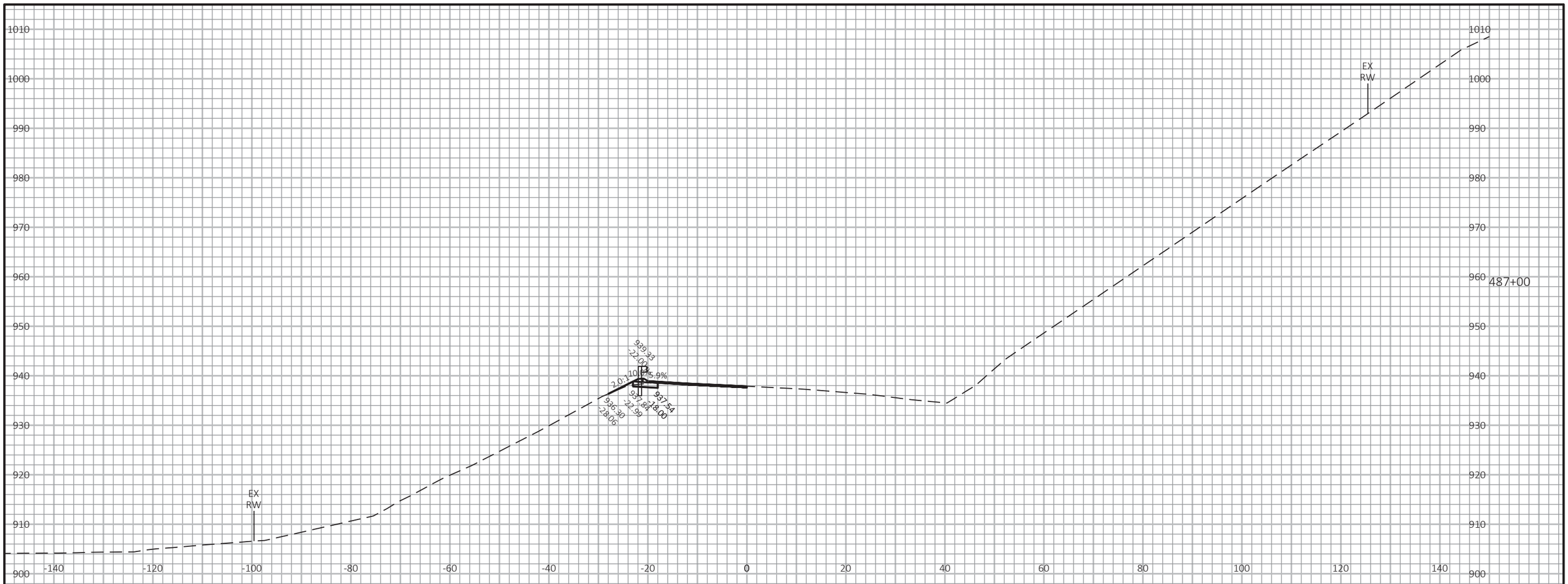
PLOT DATE : 7/2/2019 3:22 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 44

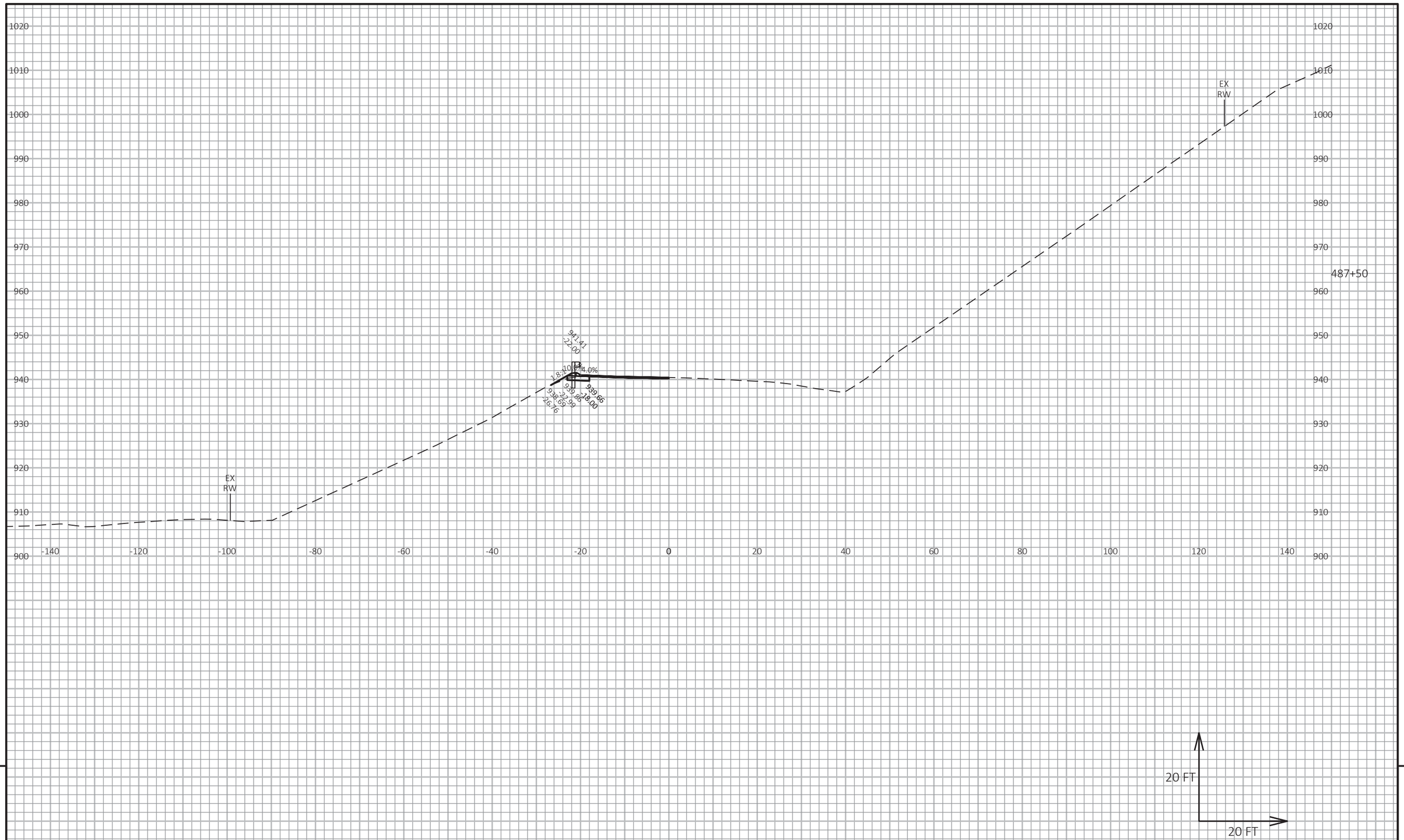
PLOT DATE : 7/2/2019 3:22 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

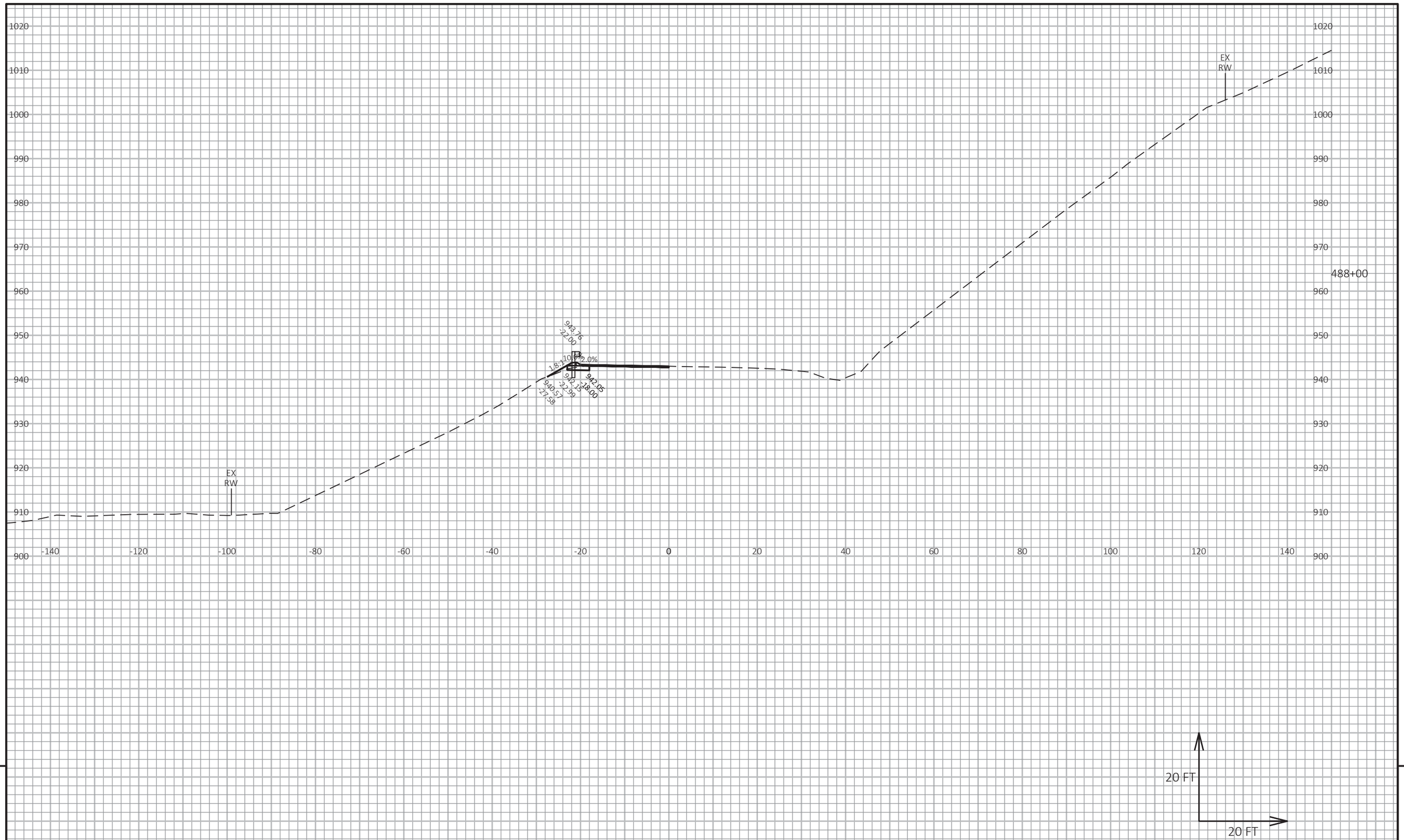
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 45

PLOT DATE : 7/2/2019 3:23 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



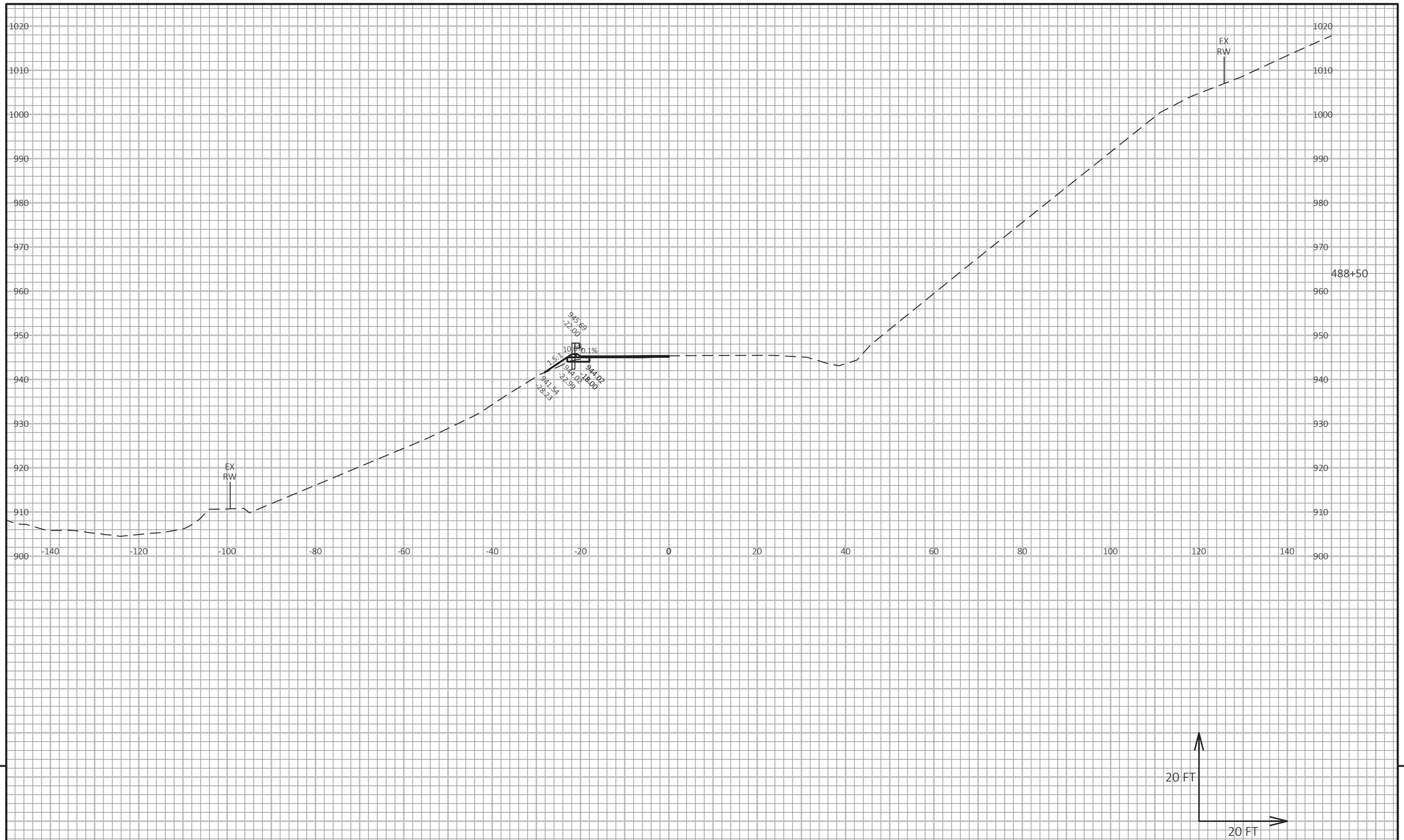
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 46

PLOT DATE : 7/2/2019 3:23 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

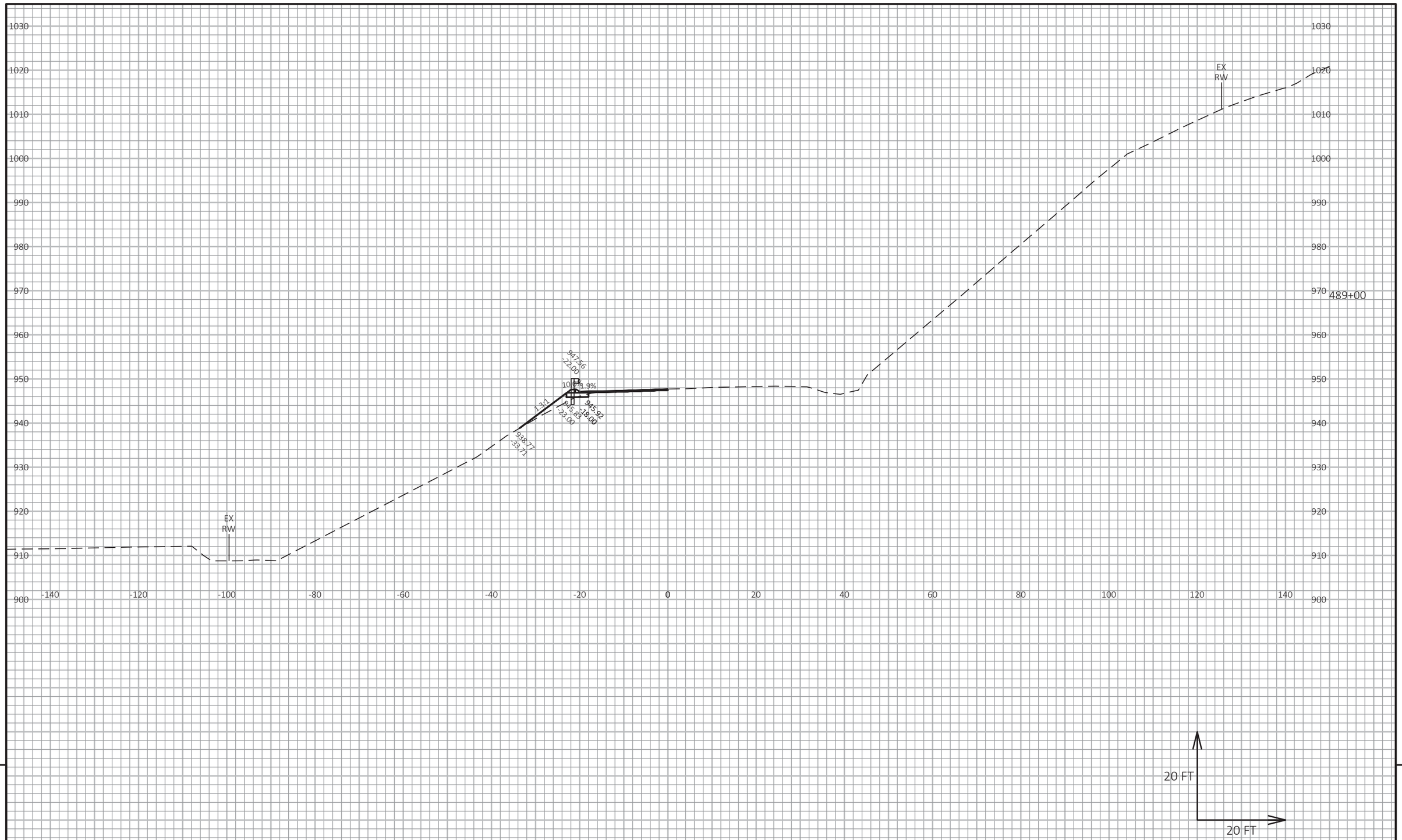
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 47

PLOT DATE : 7/2/2019 3:23 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

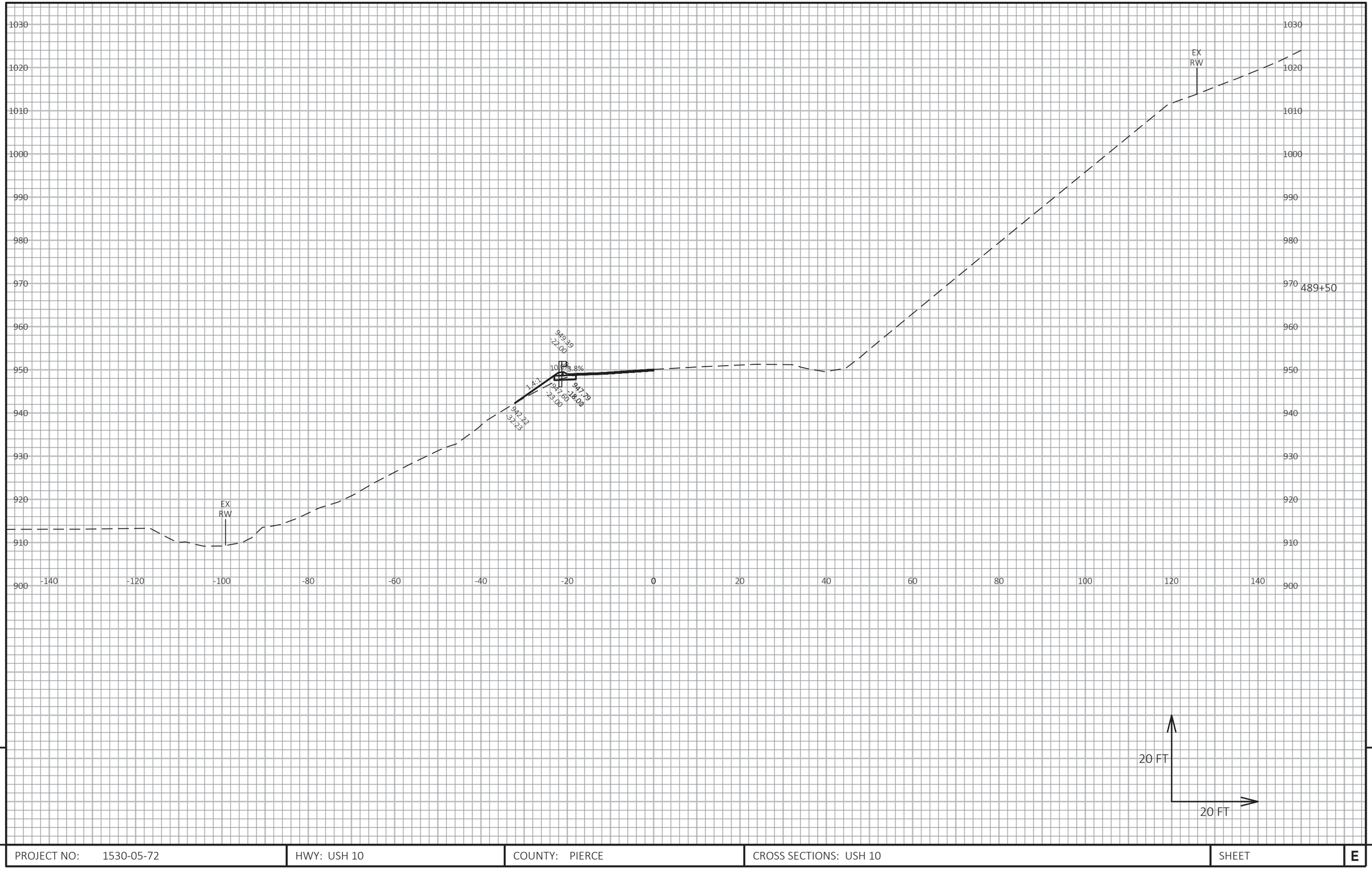
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 48

PLOT DATE : 7/2/2019 3:24 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 49

PLOT DATE : 7/2/2019 3:24 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

1030
1020
1010
1000
990
980
970
960
950
940
930
920
910

EX RW

490+00

946.07
-30.57

949.56
-23.00

1.61%

10.00

5.1%

949.81
-18.00

984.38
-22.00

EX RW

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

20 FT

20 FT

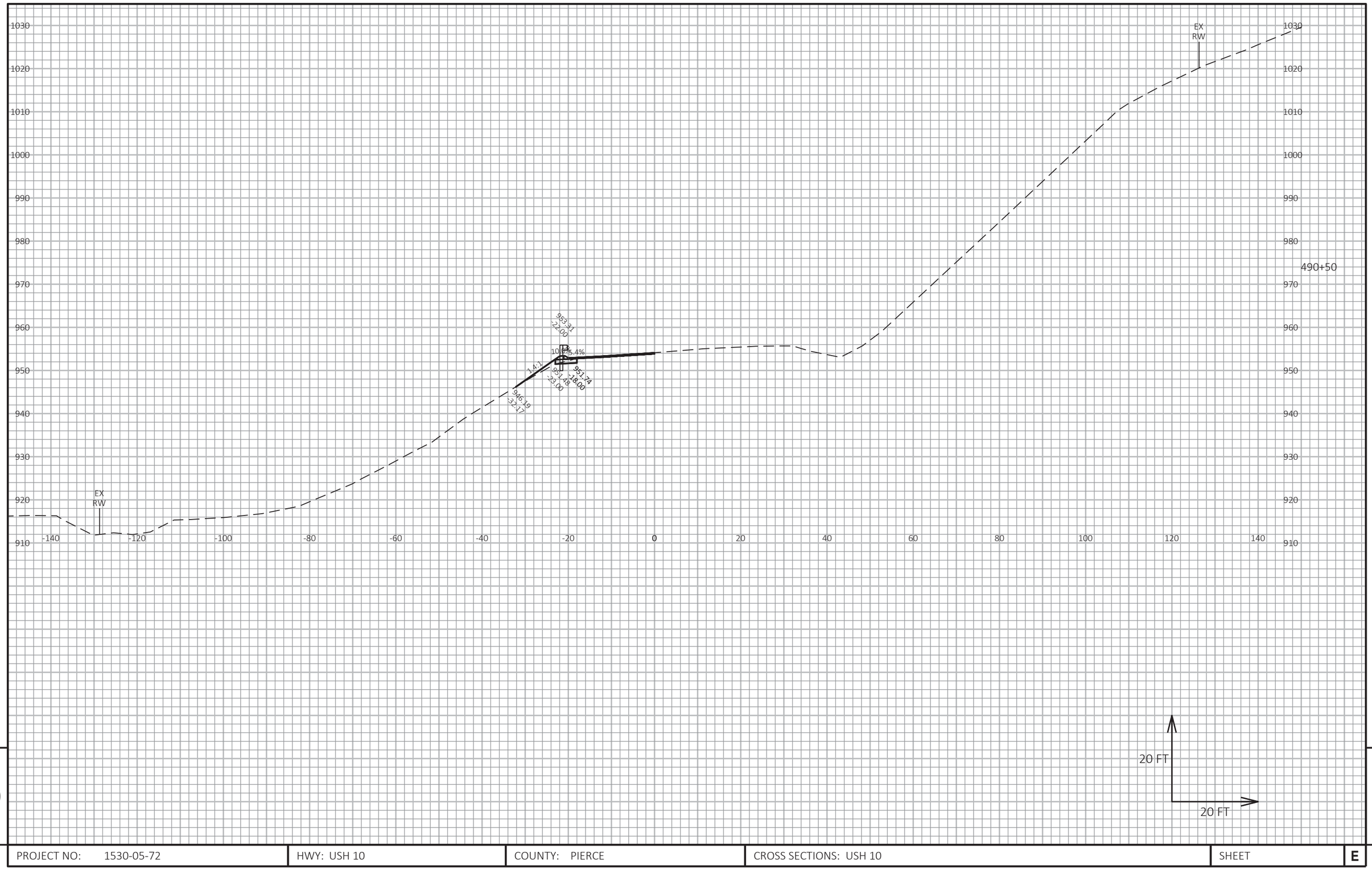
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 50

PLOT DATE : 7/2/2019 3:24 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 51

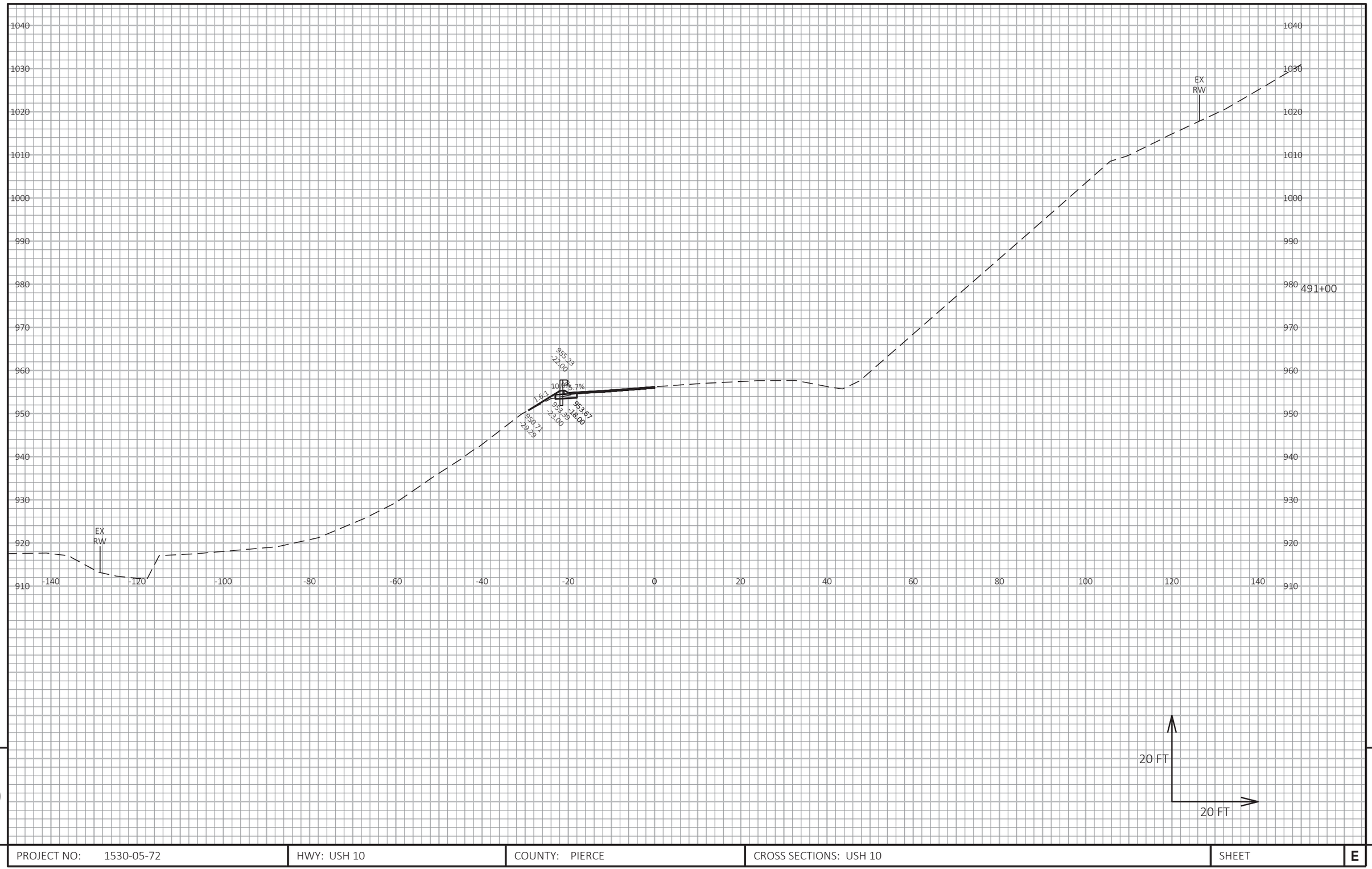
PLOT DATE : 7/2/2019 3:25 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

9

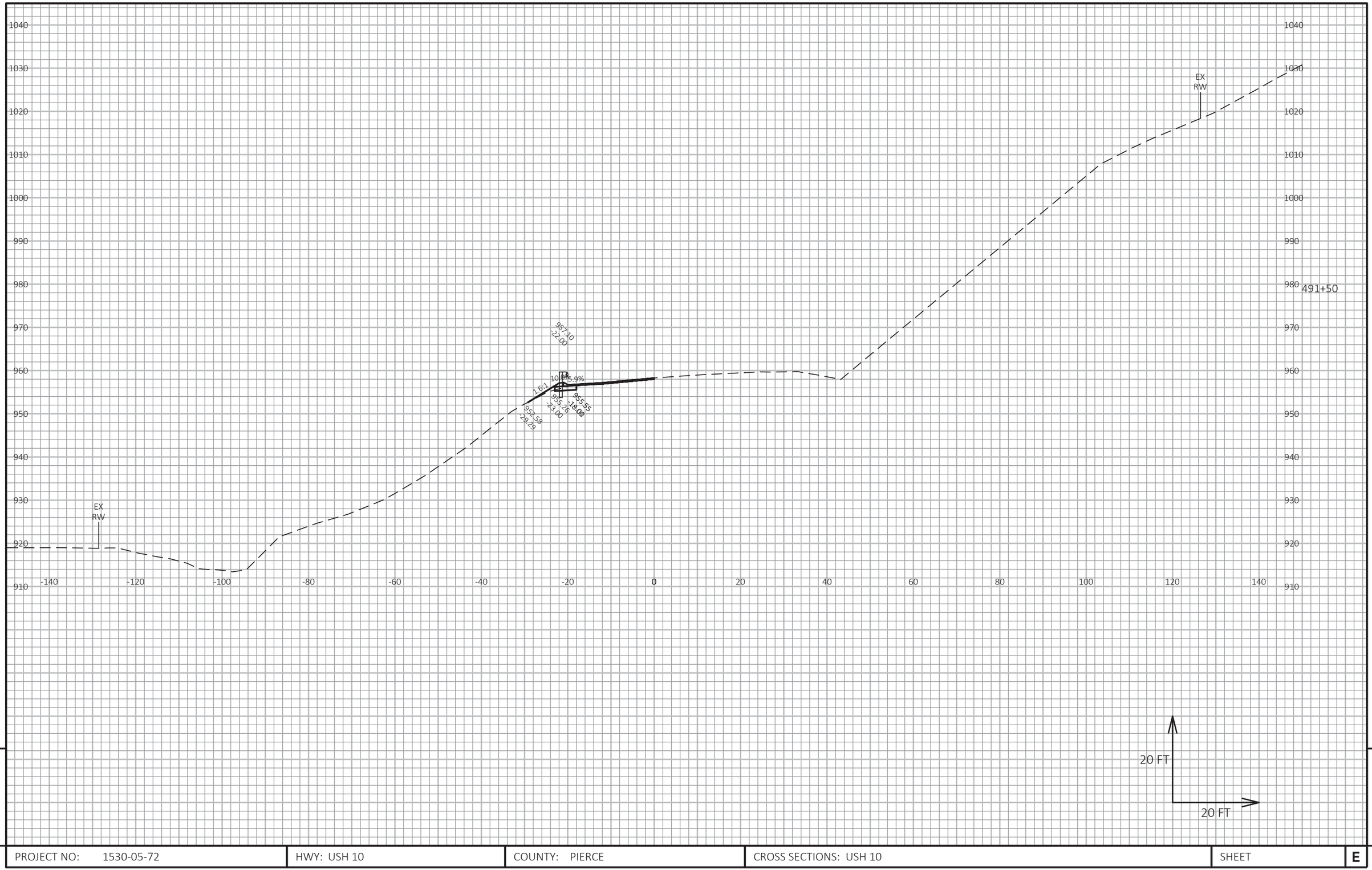
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 52

PLOT DATE : 7/2/2019 3:25 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

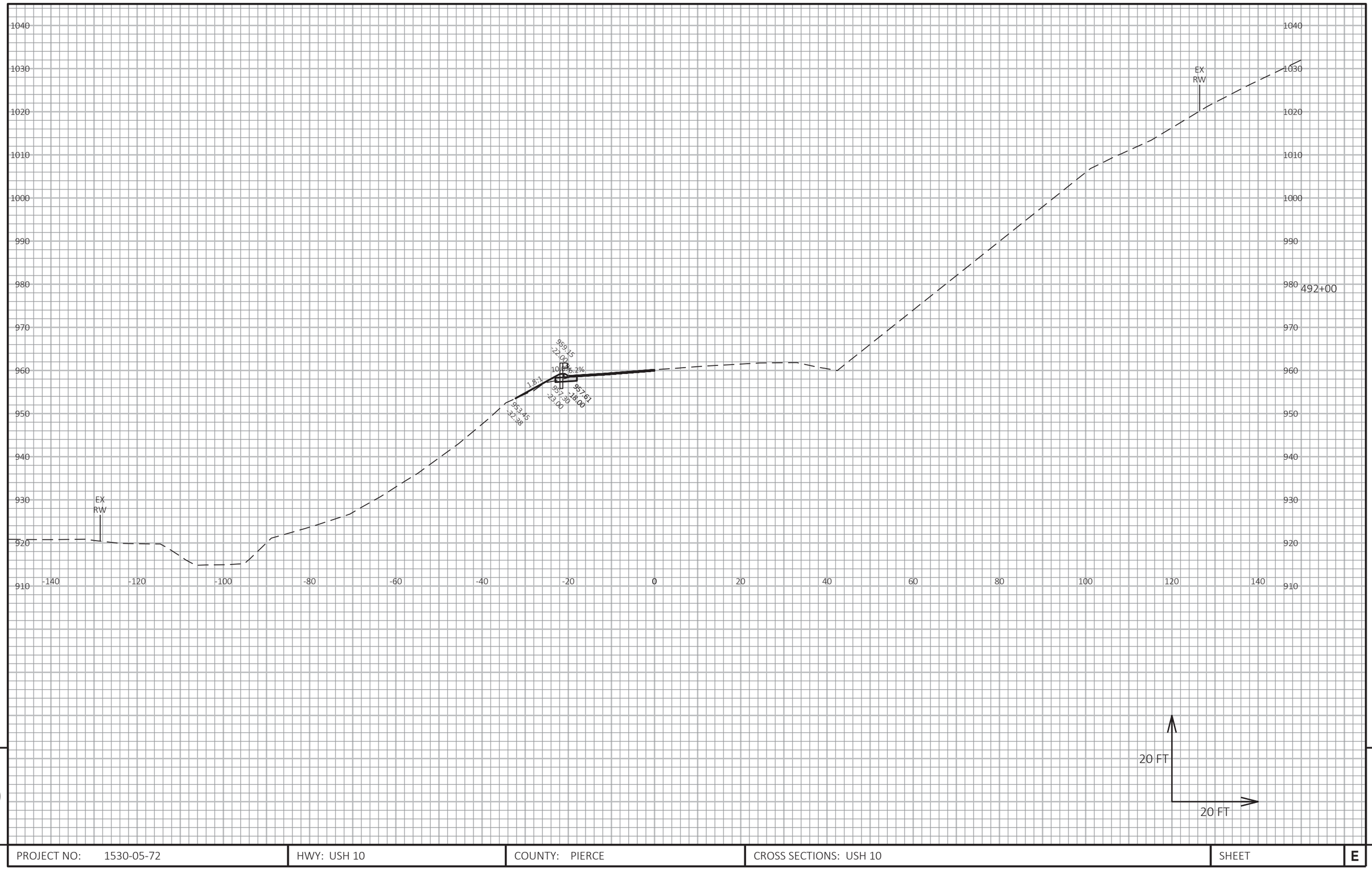
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 53

PLOT DATE : 7/2/2019 3:26 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

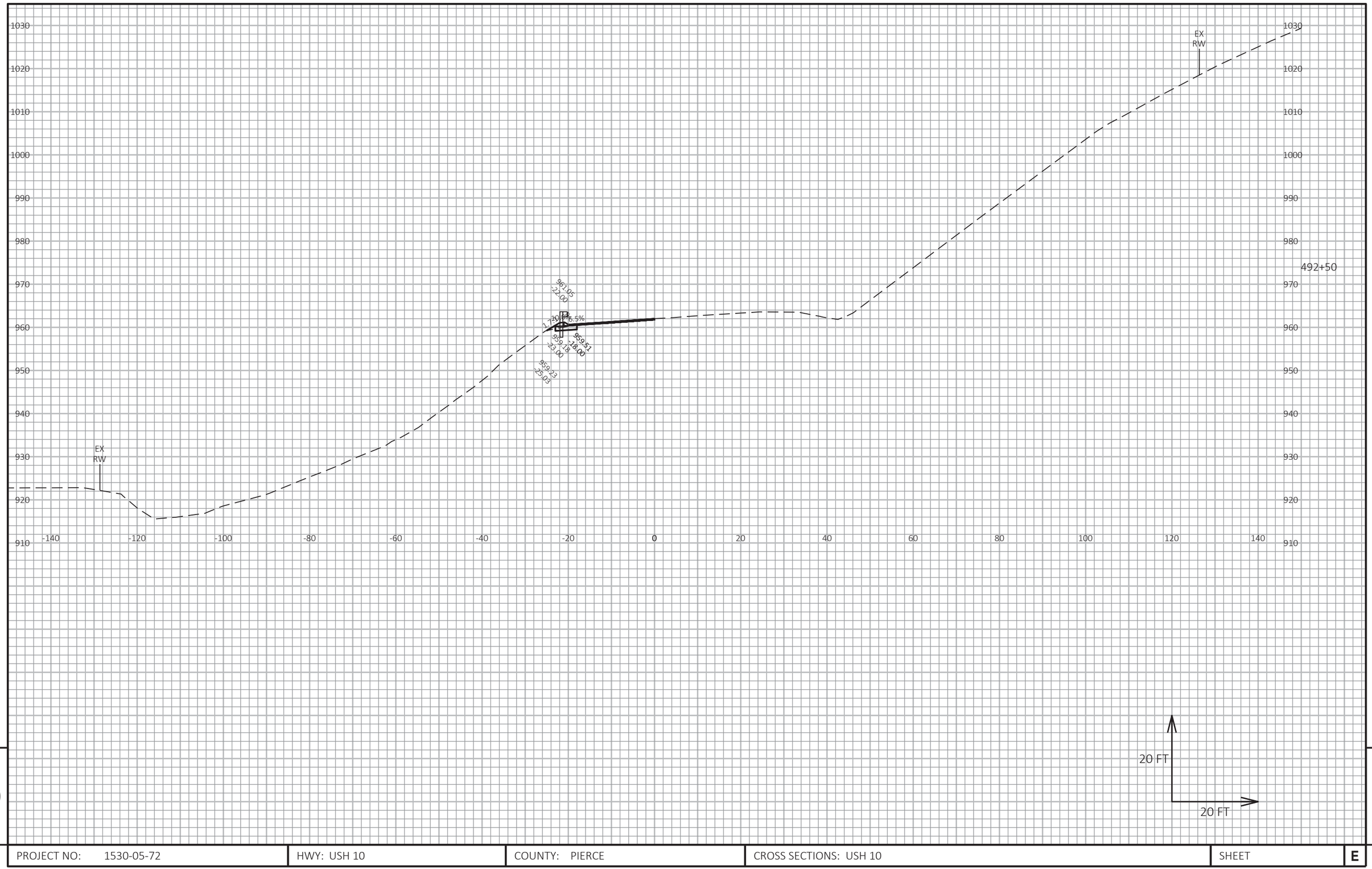


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 54

PLOT DATE : 7/2/2019 3:26 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 55

PLOT DATE : 7/2/2019 3:26 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

1030
1020
1010
1000
990
980
970
960
950
940
930
920
910

EX
RW

493+00

962.93
22.00

10
6.8%

7.71

961.40
18.00

961.05
23.00

957.41
31.21

EX
RW

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

20 FT

20 FT

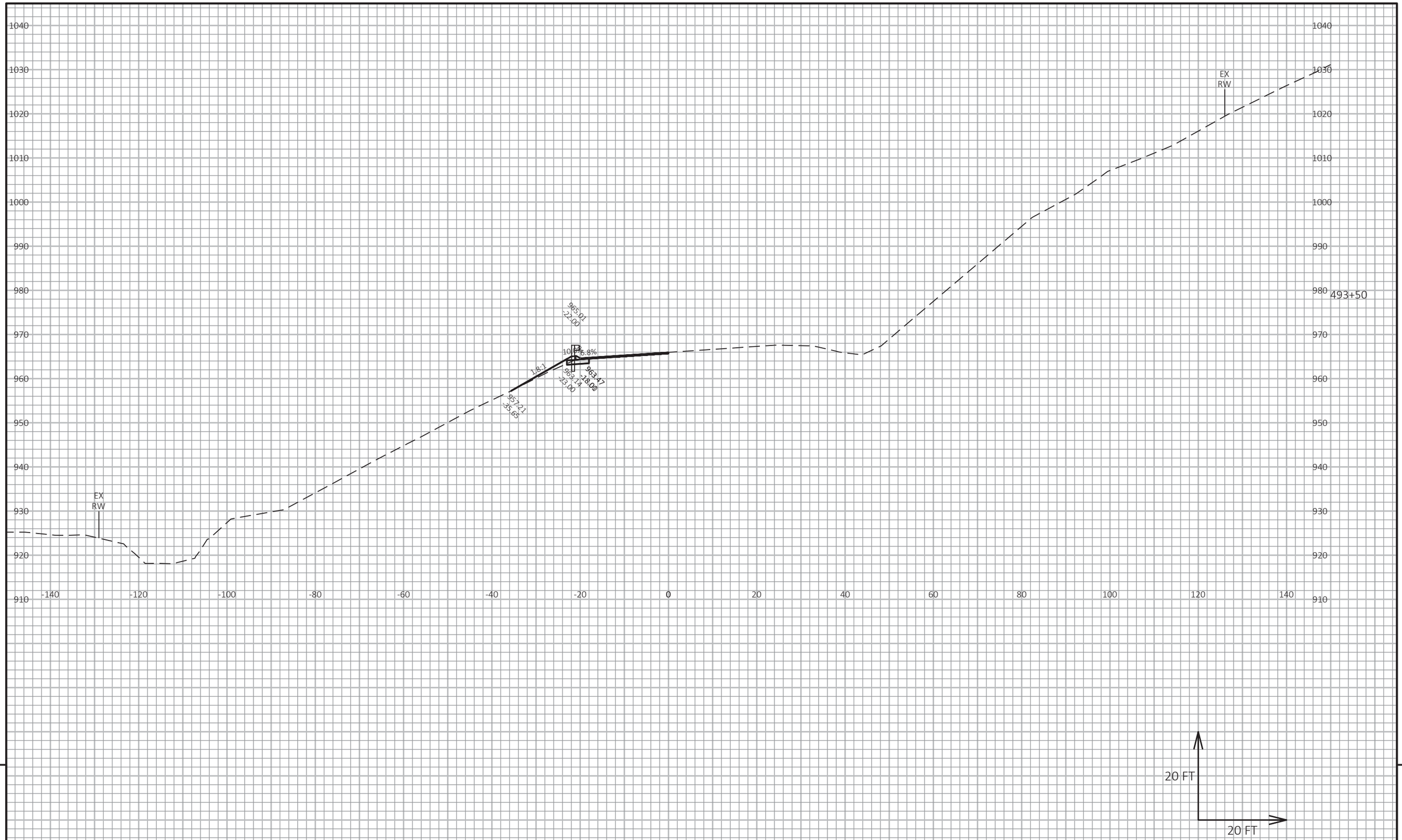
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 56

PLOT DATE : 7/2/2019 3:27 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

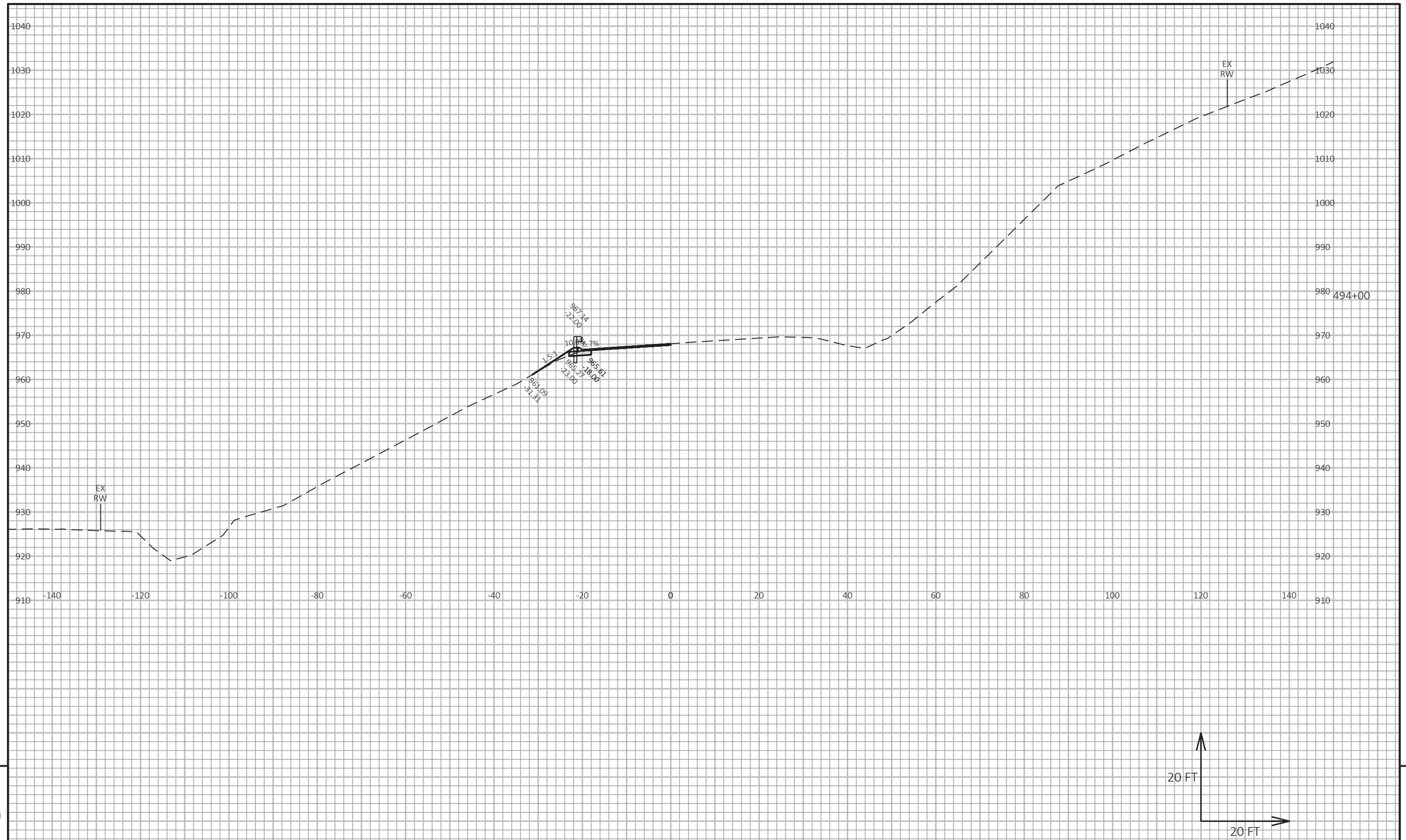
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 57

PLOT DATE : 7/2/2019 3:27 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

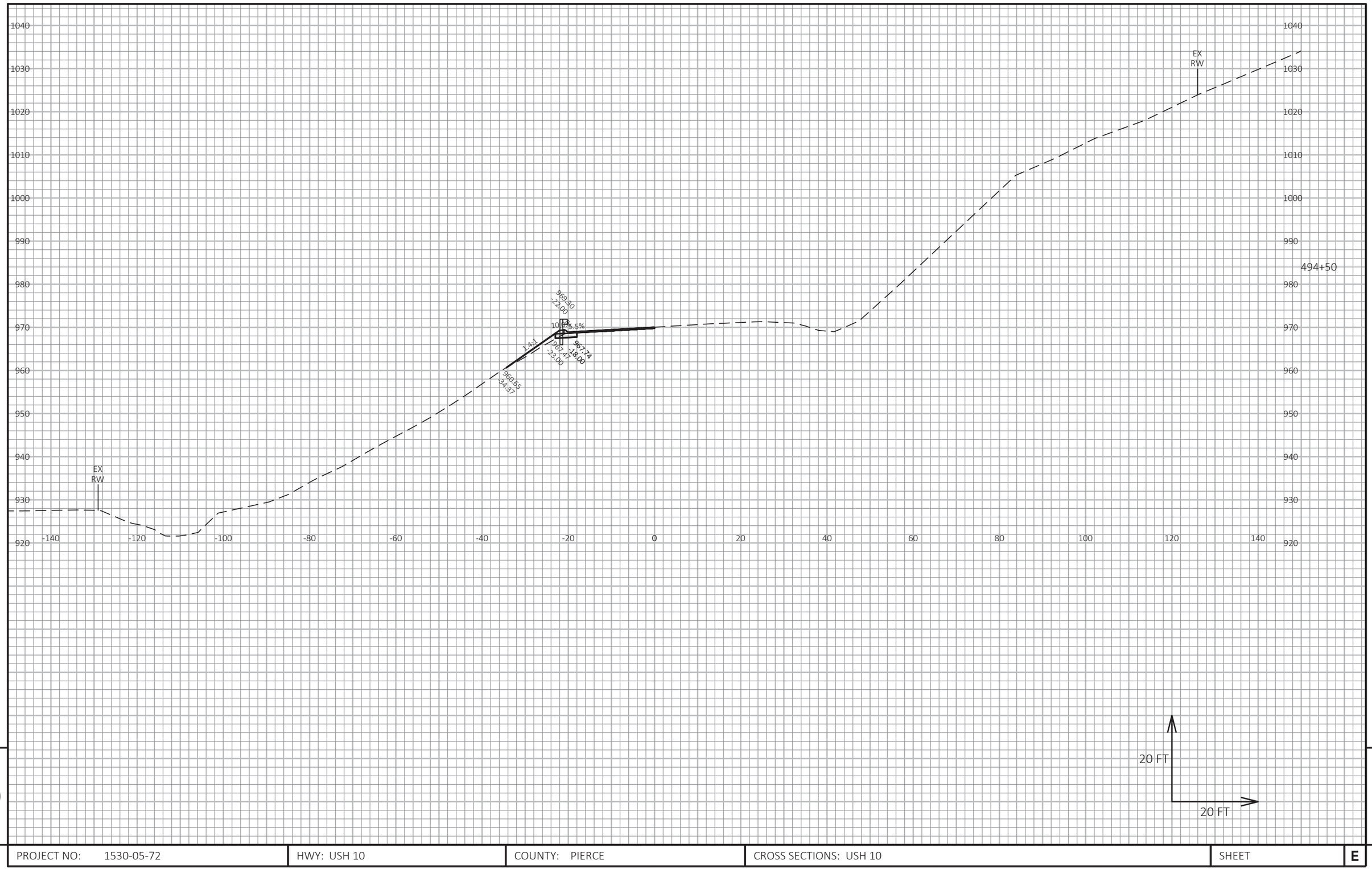
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 58

PLOT DATE : 7/2/2019 3:28 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

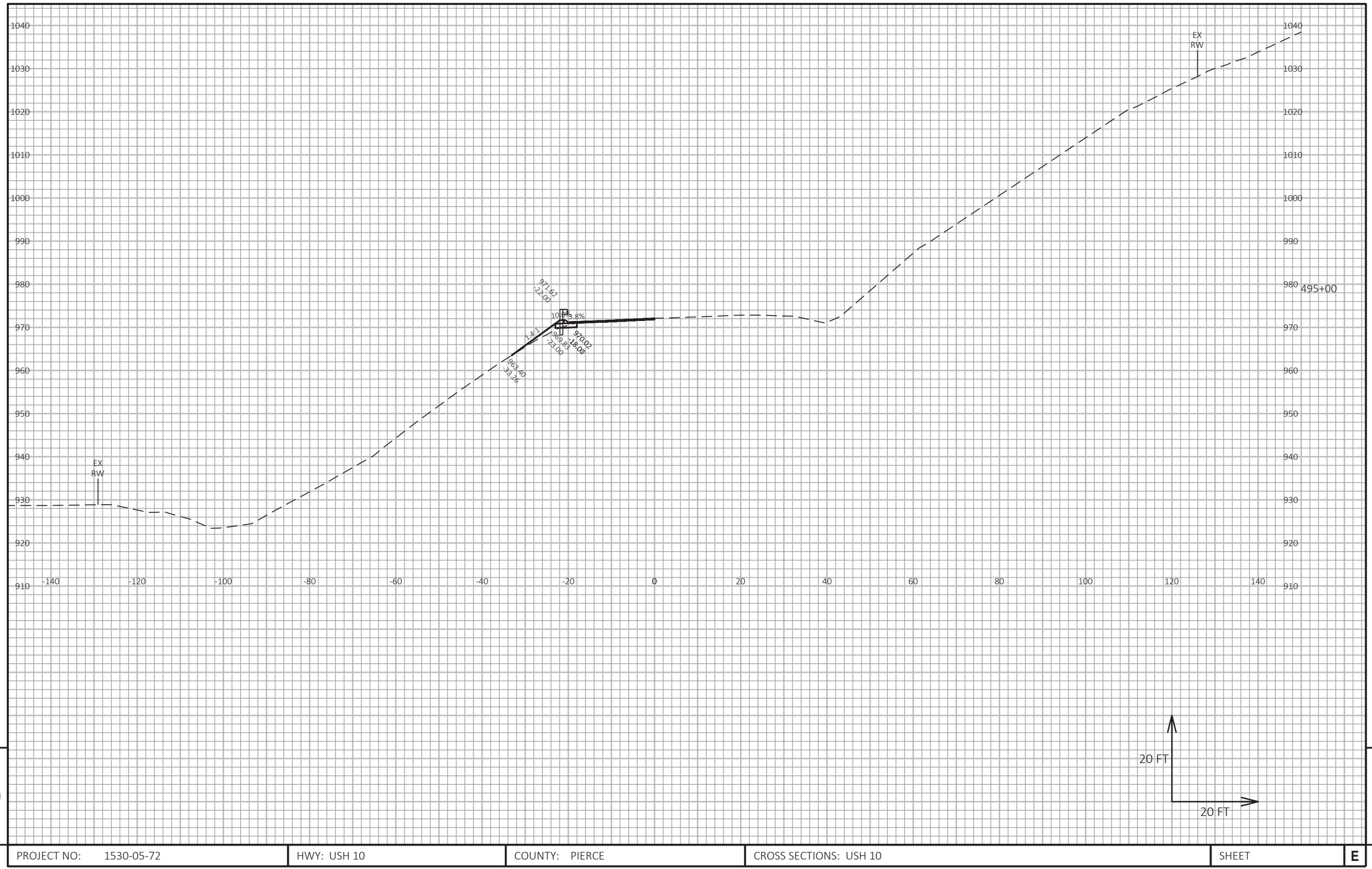
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_3.DWG
LAYOUT NAME - 59

PLOT DATE : 7/2/2019 3:28 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

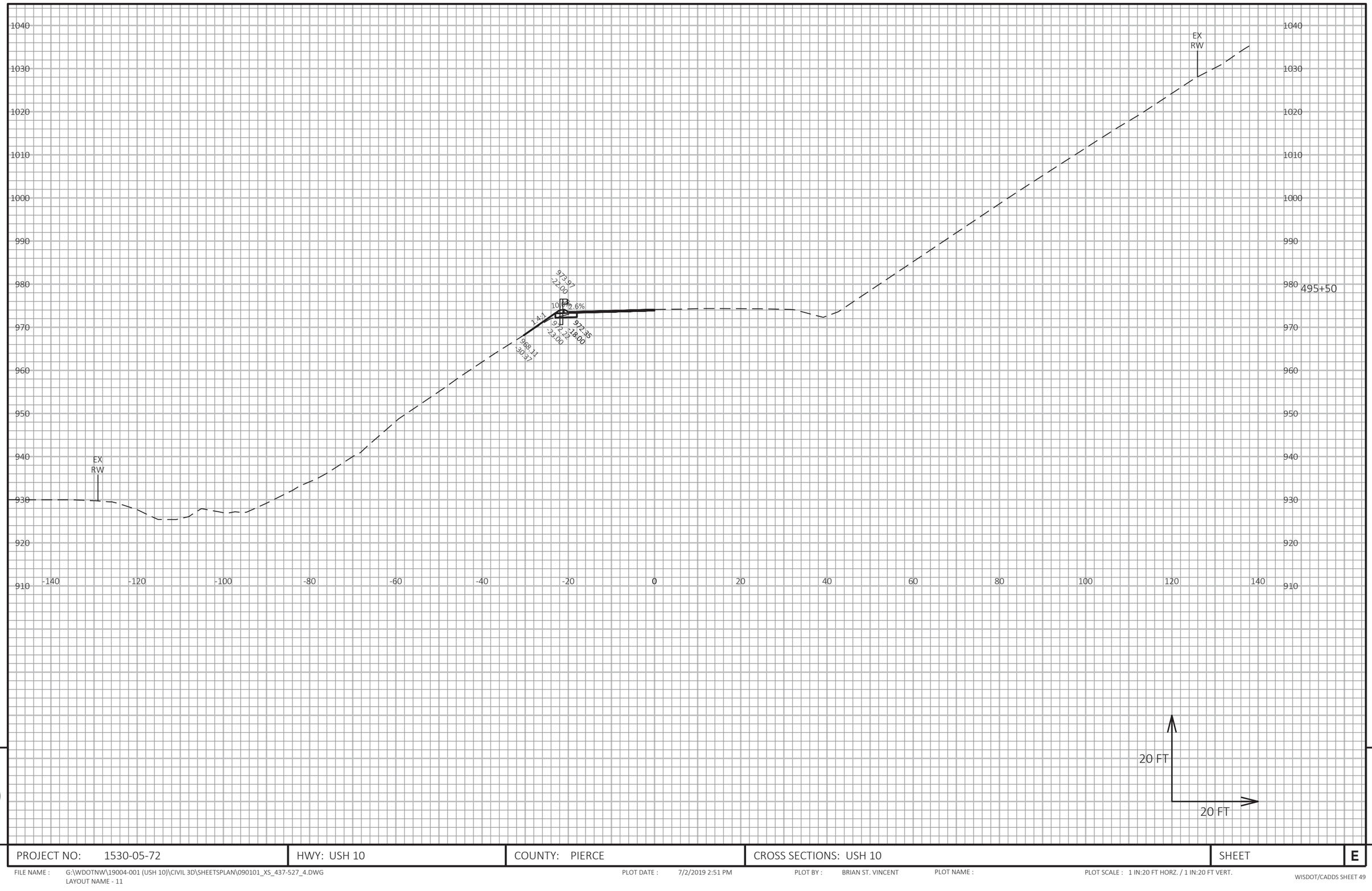
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 10

PLOT DATE : 7/2/2019 2:50 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

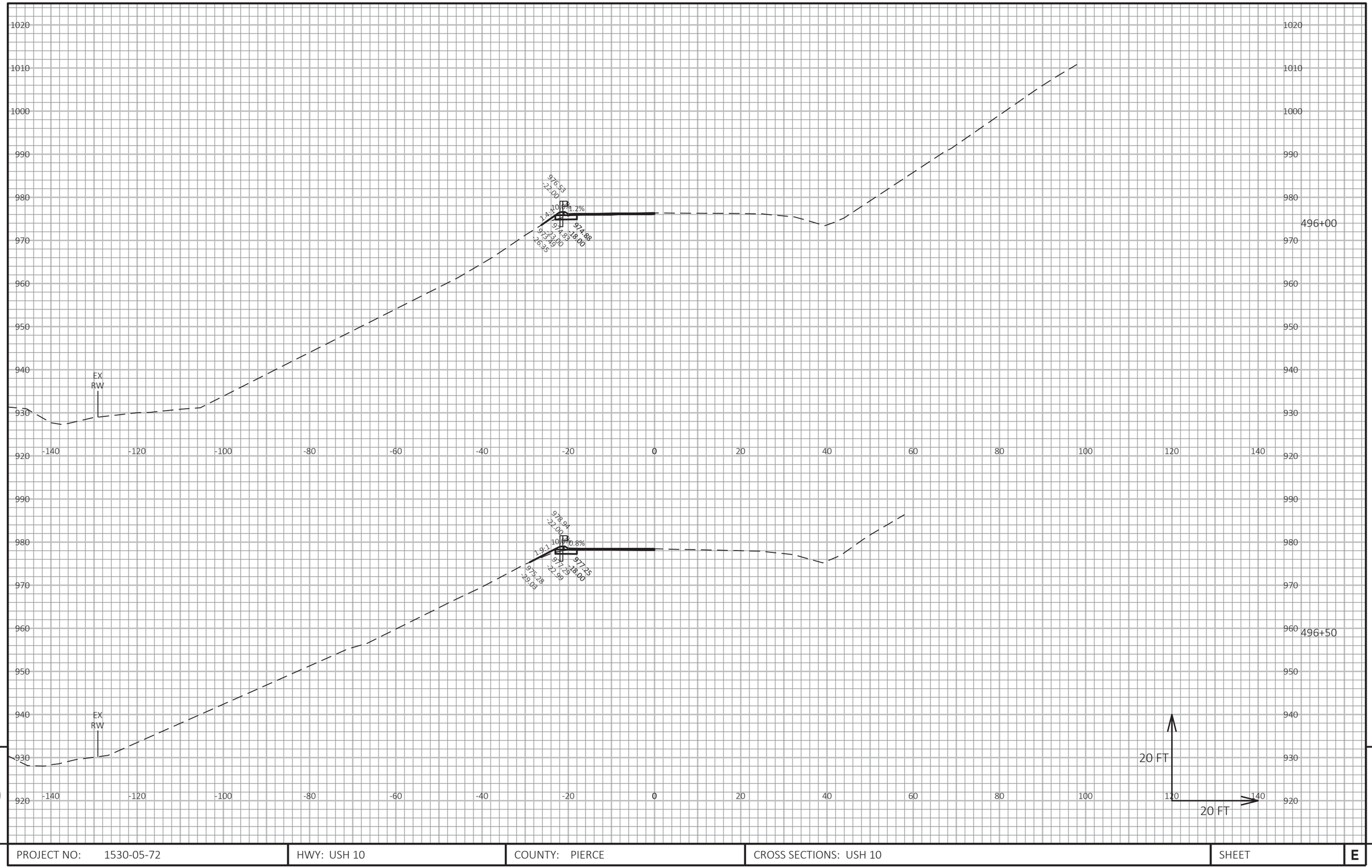
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 11

PLOT DATE : 7/2/2019 2:51 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

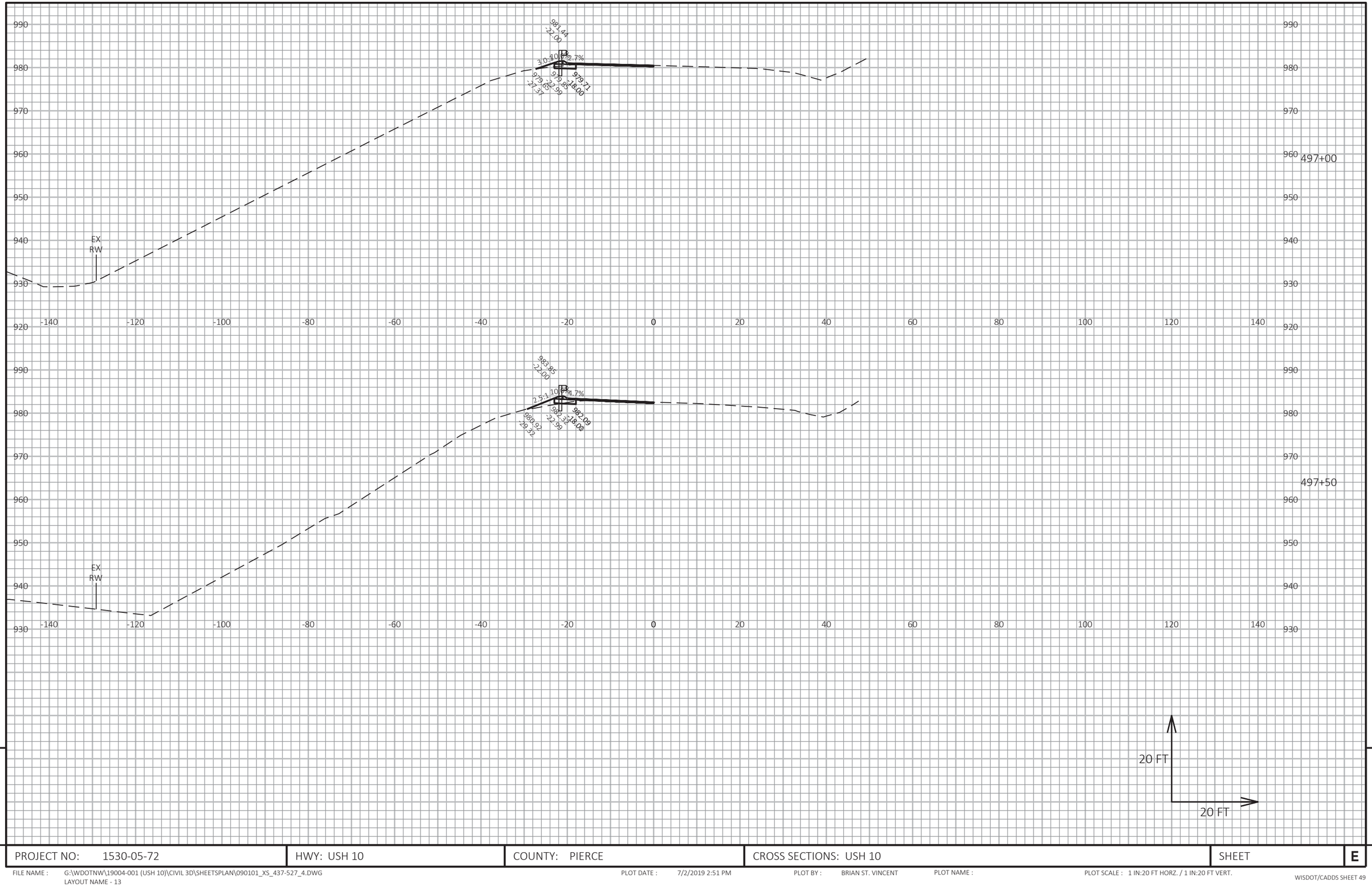


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 12

PLOT DATE : 7/2/2019 2:51 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

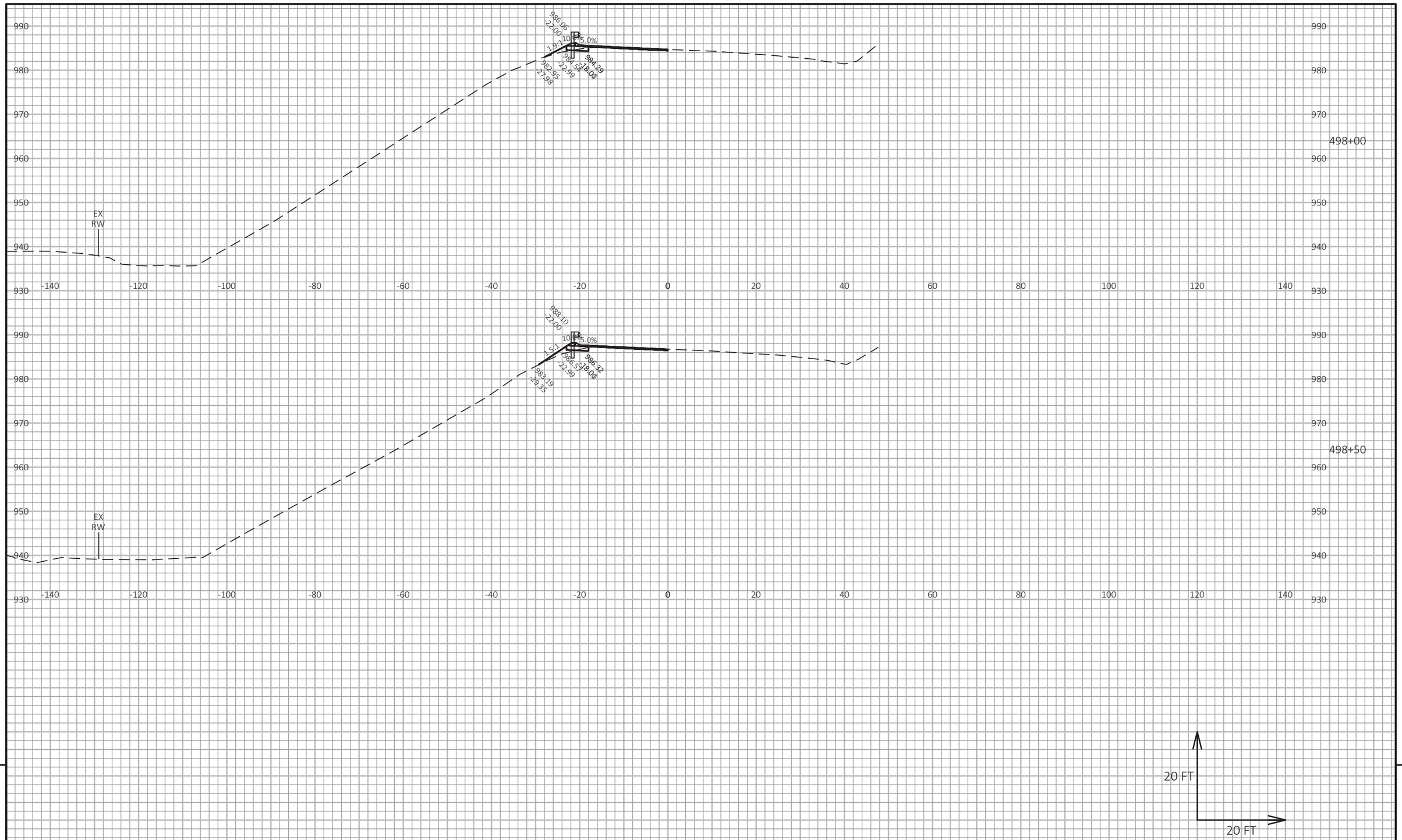
WISDOT/CADDS SHEET 49



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 13

PLOT DATE : 7/2/2019 2:51 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 14

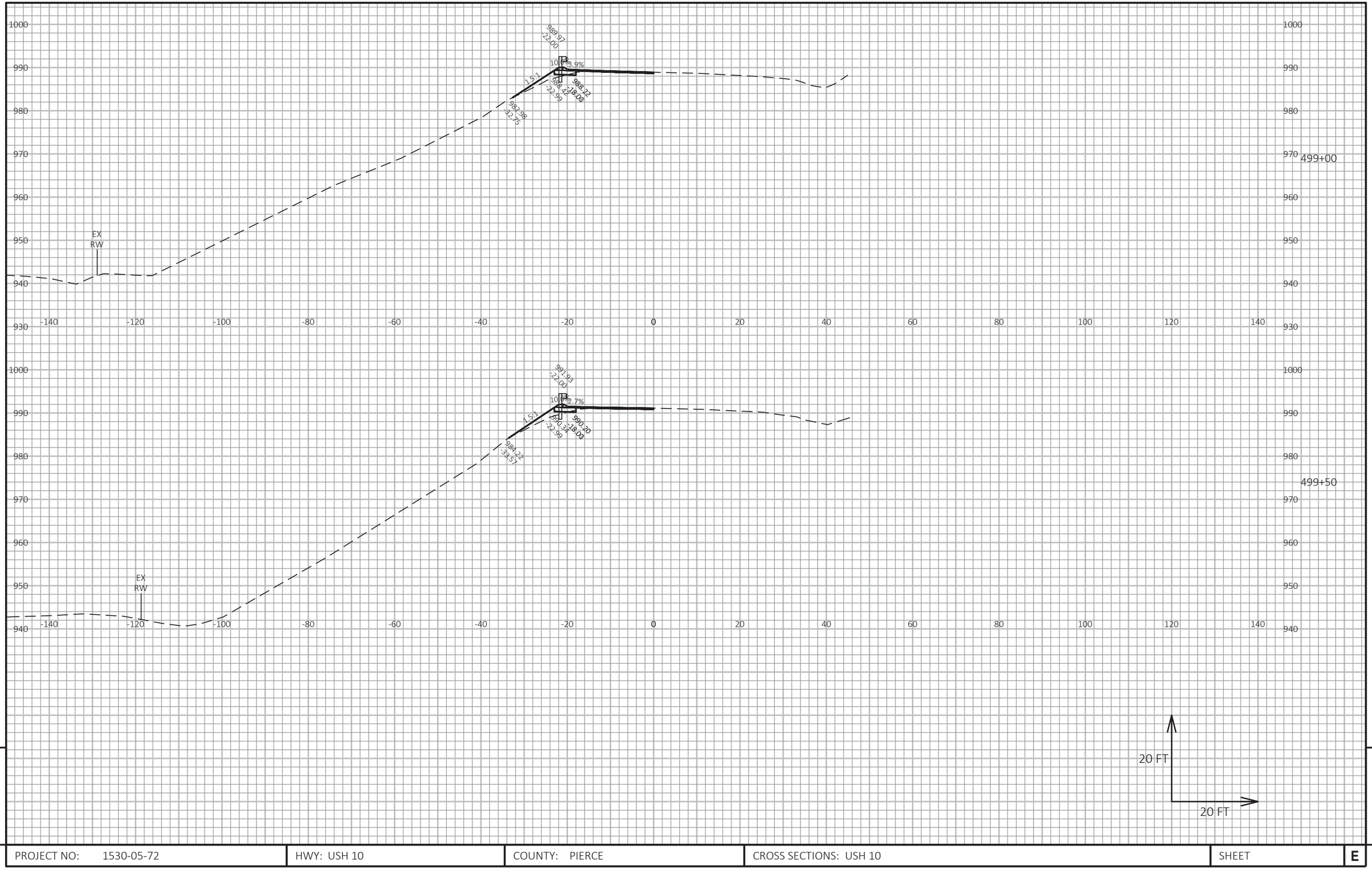
PLOT DATE : 7/2/2019 2:52 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



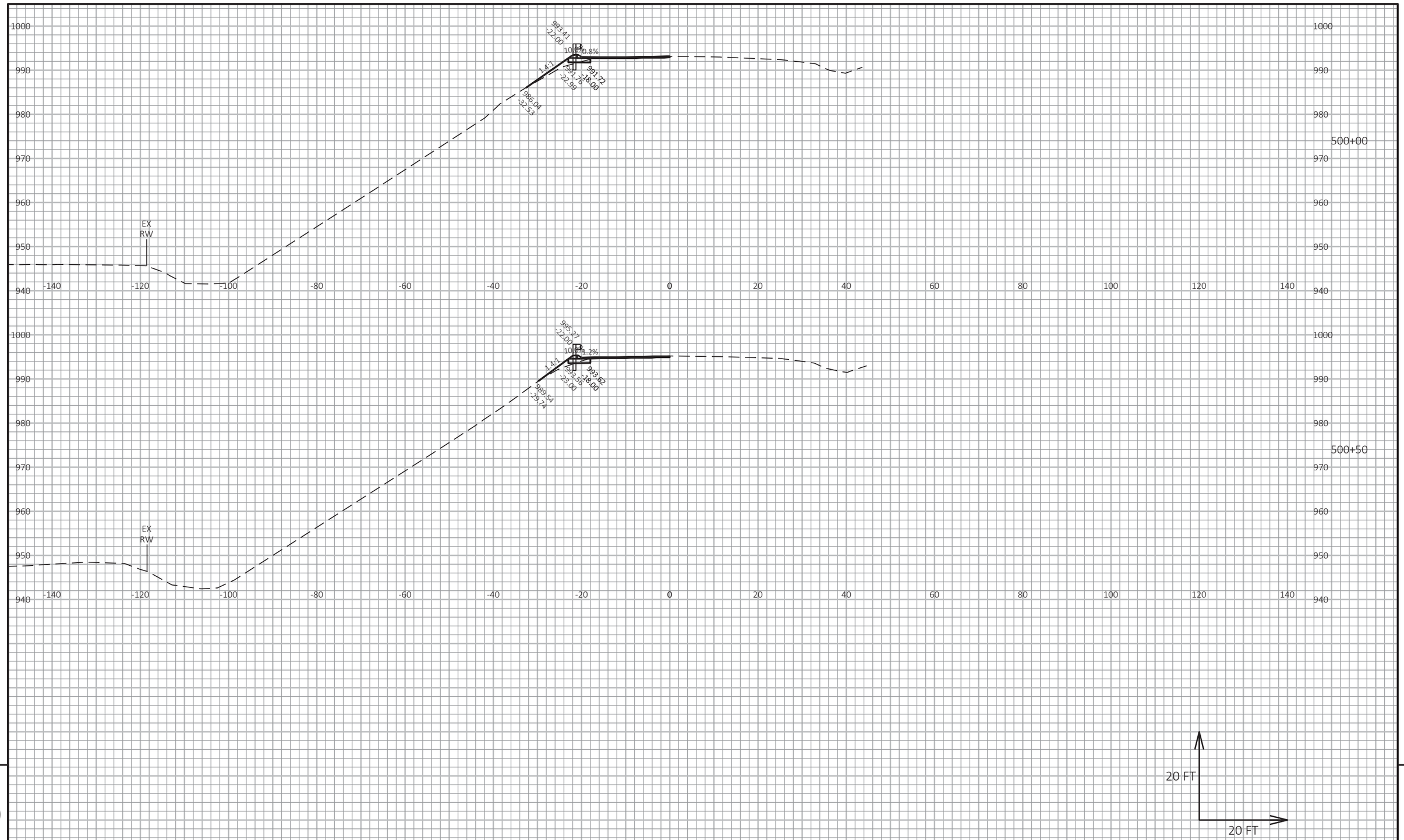
9

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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 15

PLOT DATE : 7/2/2019 2:52 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

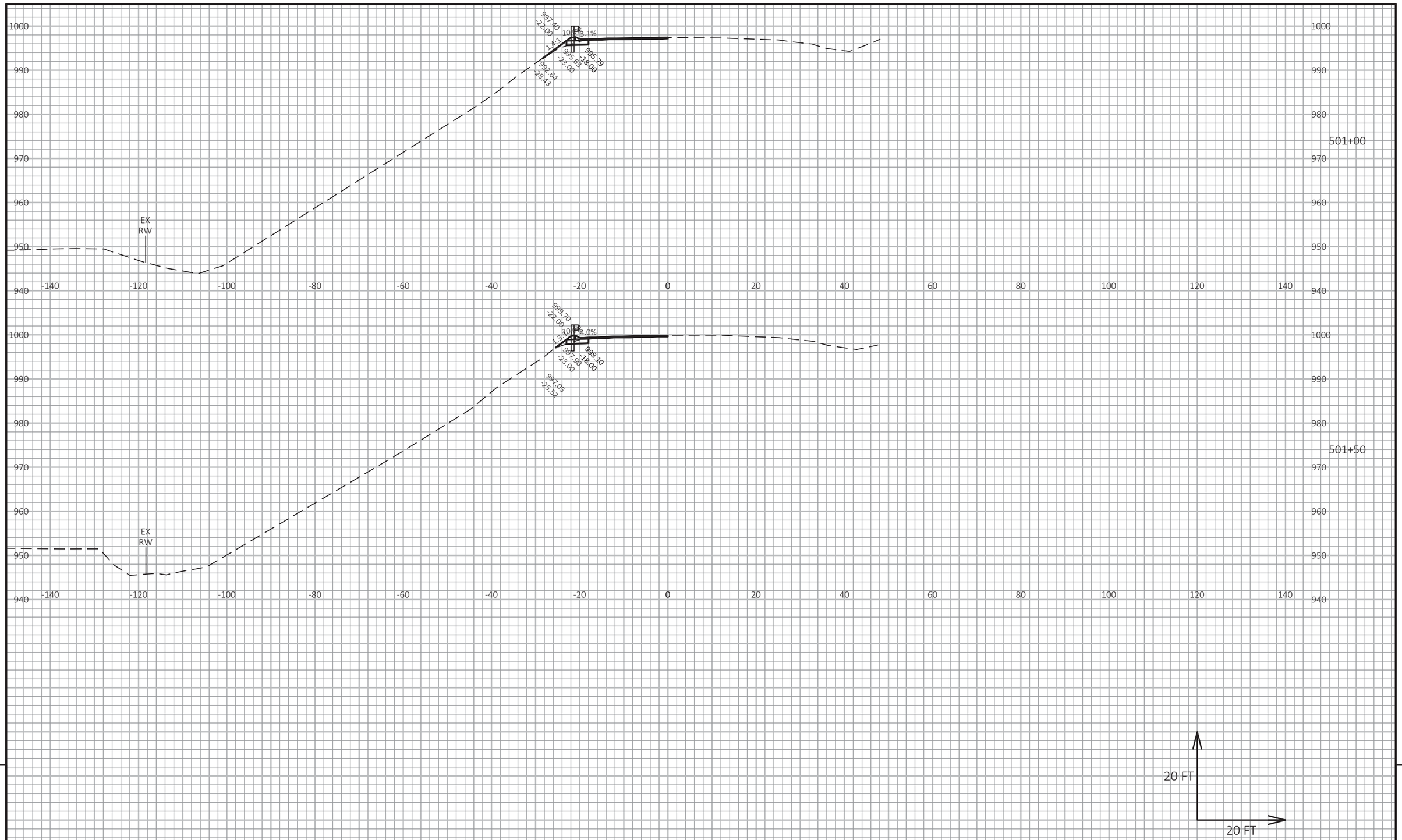
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 16

PLOT DATE : 7/2/2019 2:53 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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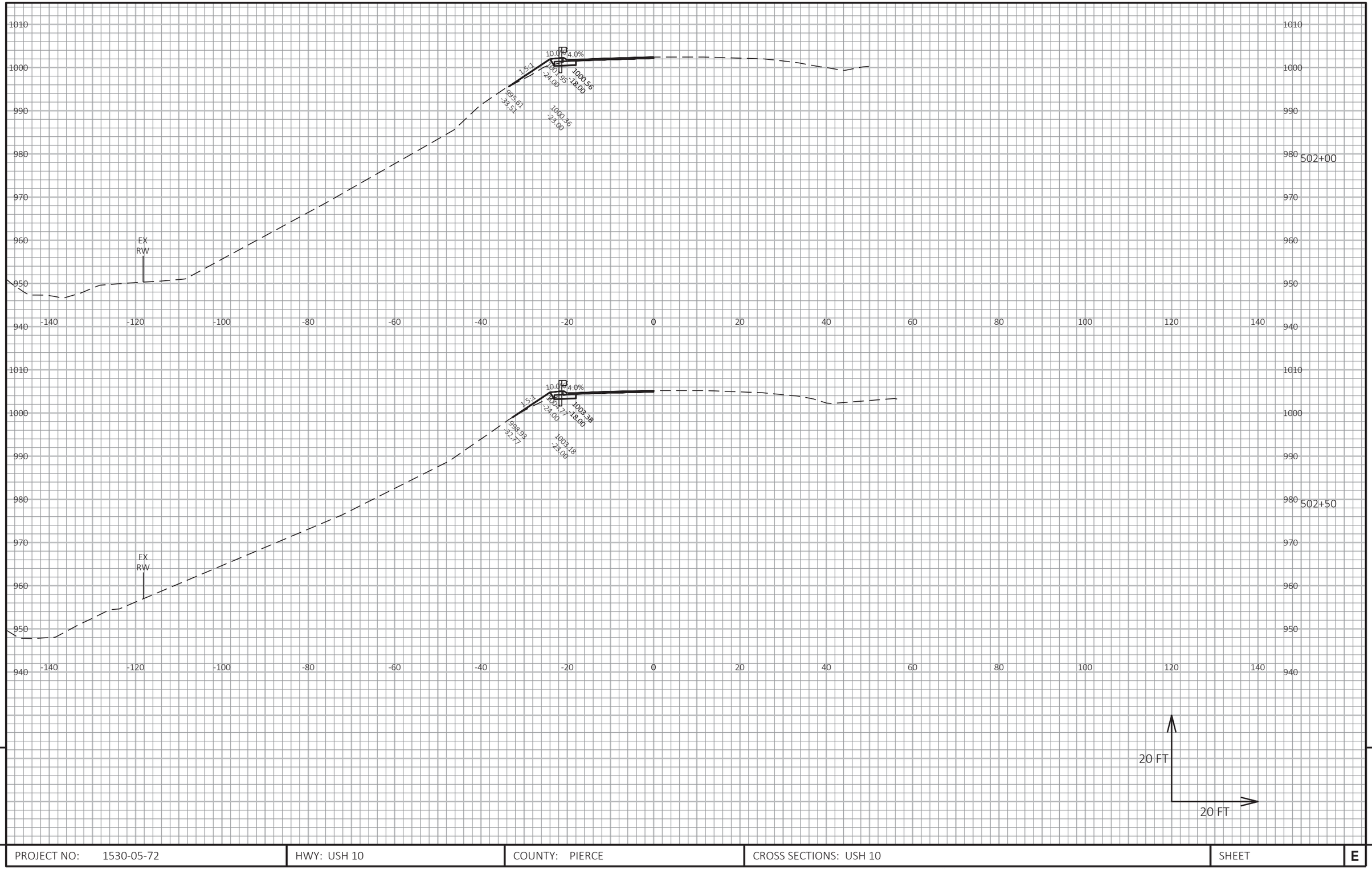
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 17

PLOT DATE : 7/2/2019 2:53 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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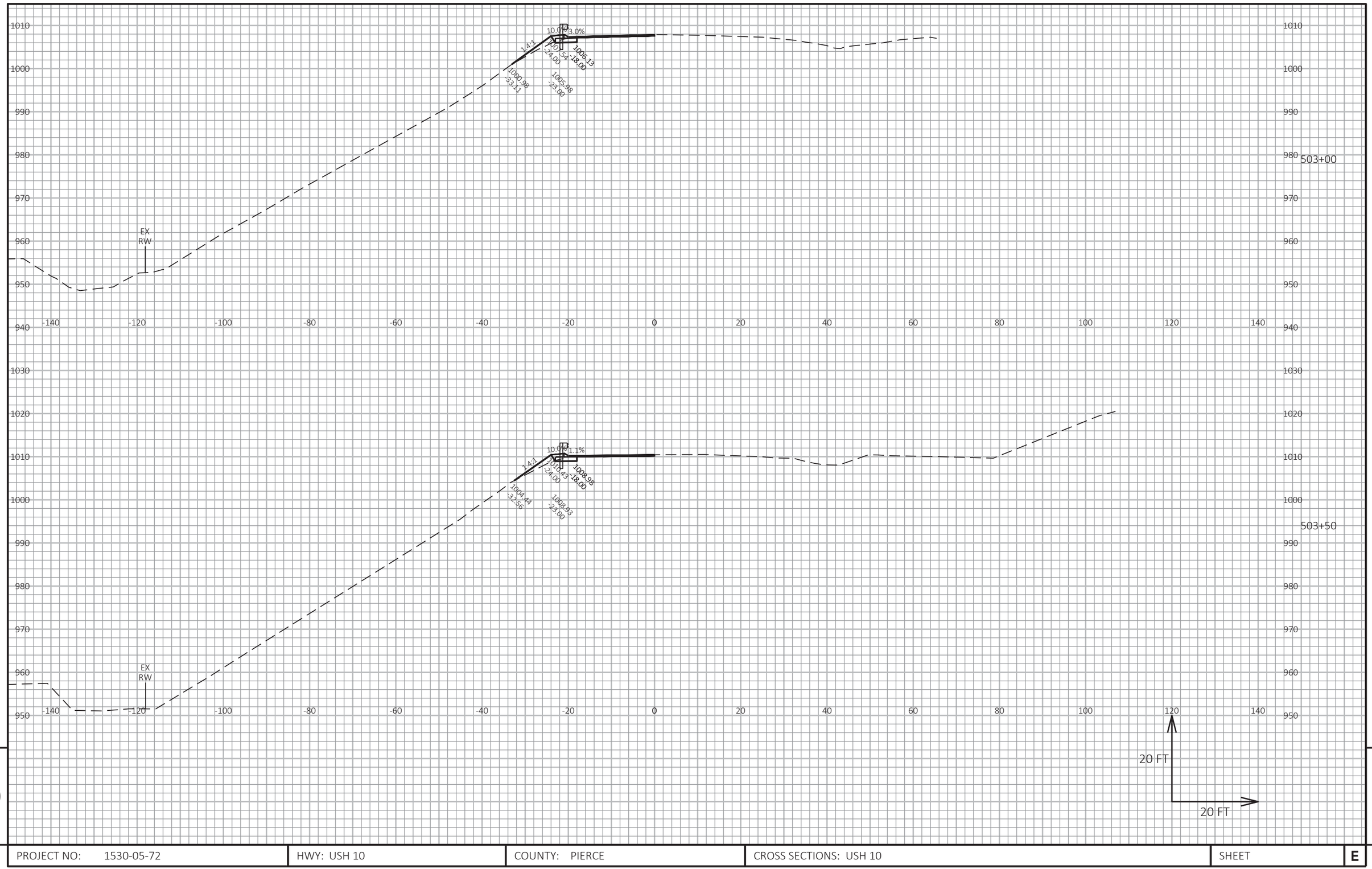
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 18

PLOT DATE : 7/2/2019 2:53 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

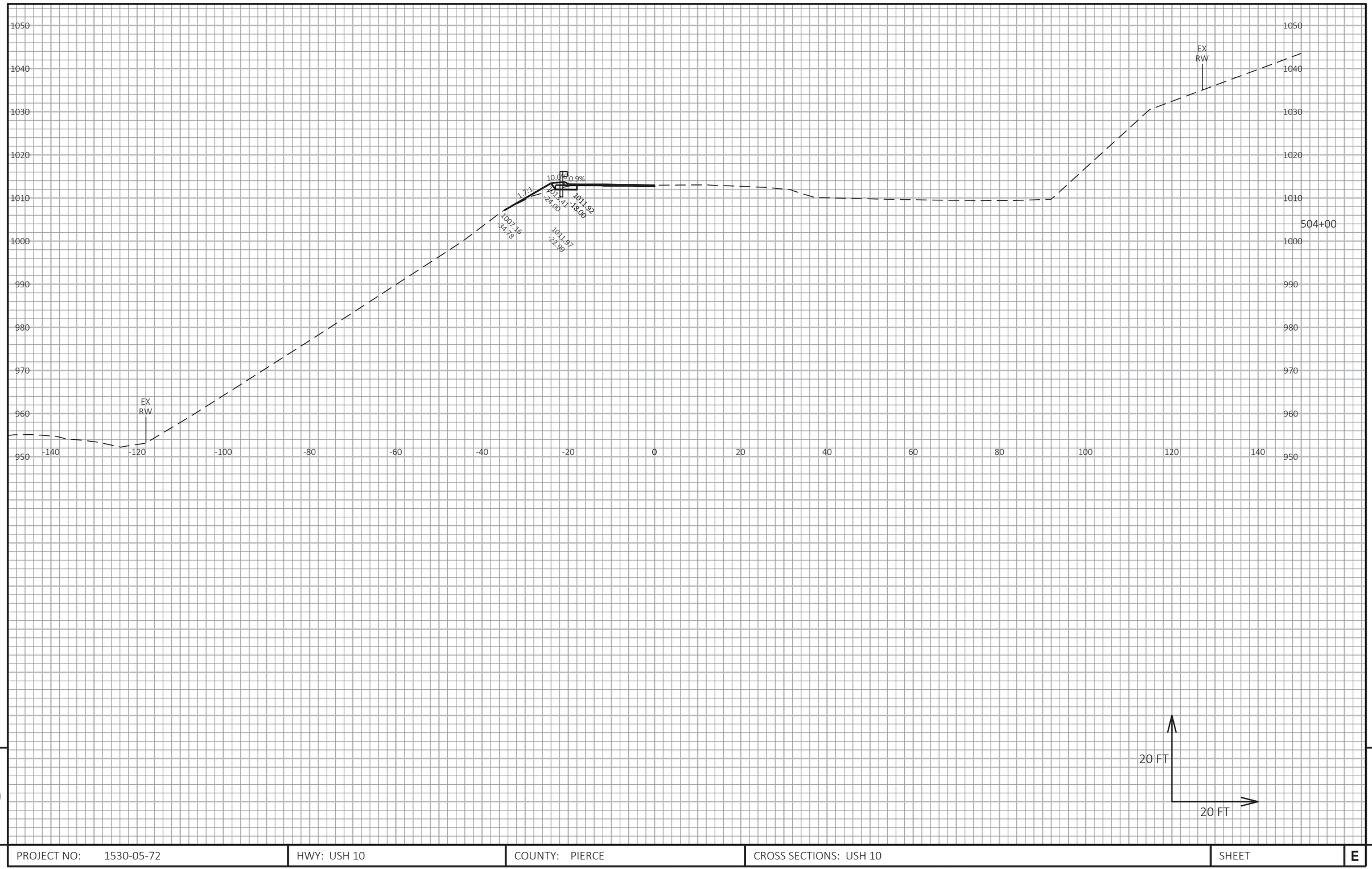
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 19

PLOT DATE : 7/2/2019 2:54 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



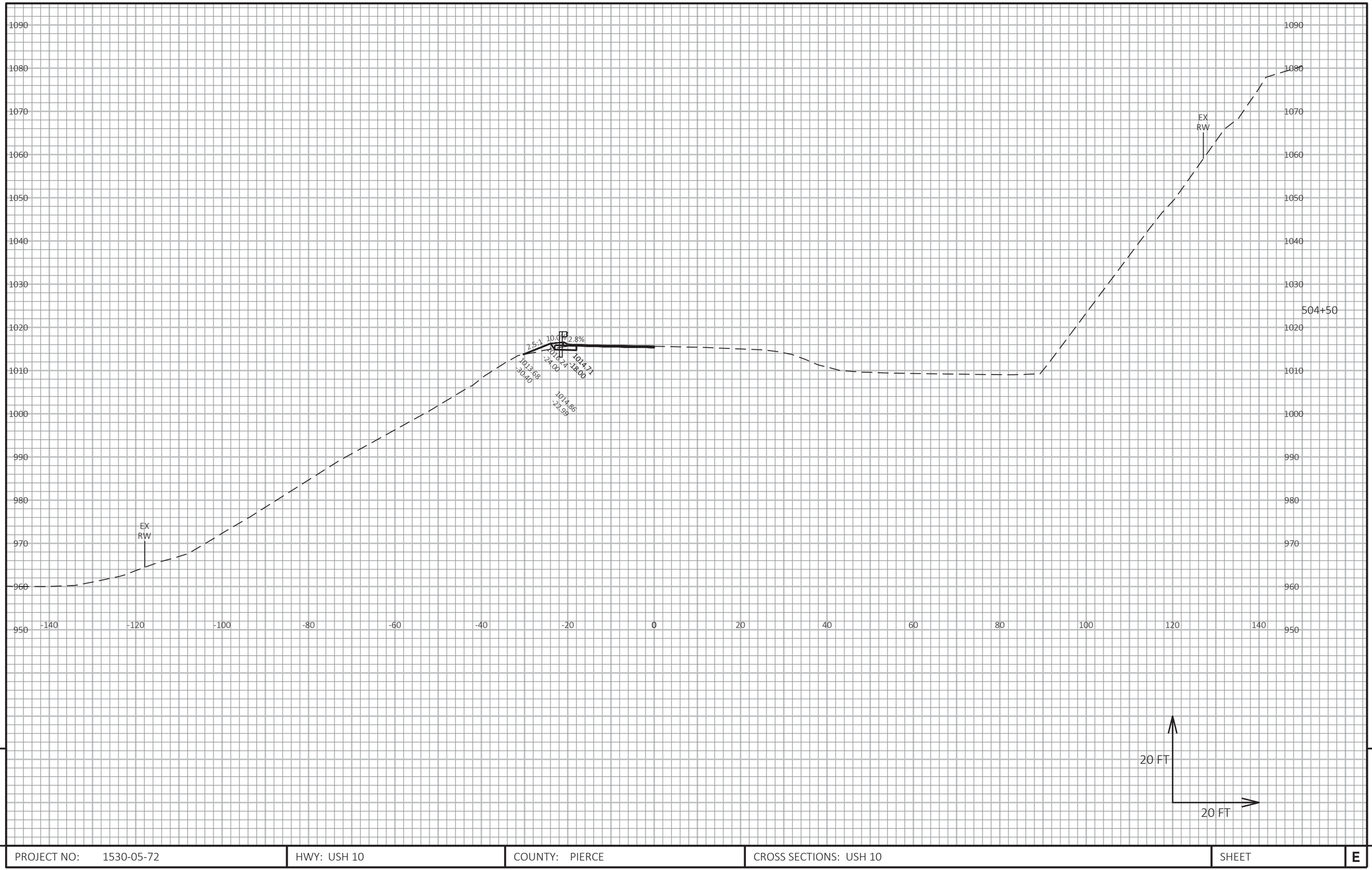
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

9

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 20

PLOT DATE : 7/2/2019 2:54 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

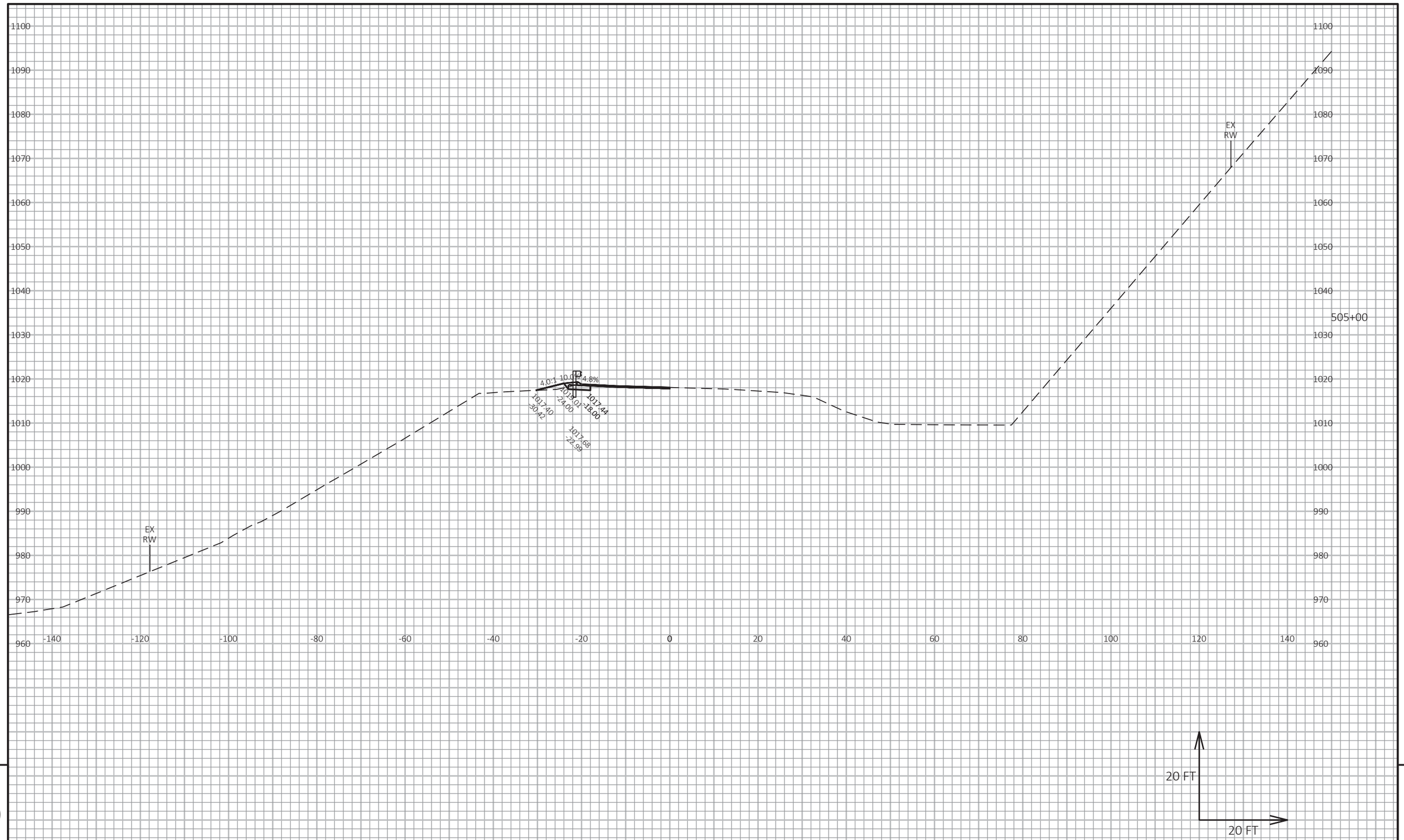
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 21

PLOT DATE : 7/2/2019 2:54 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



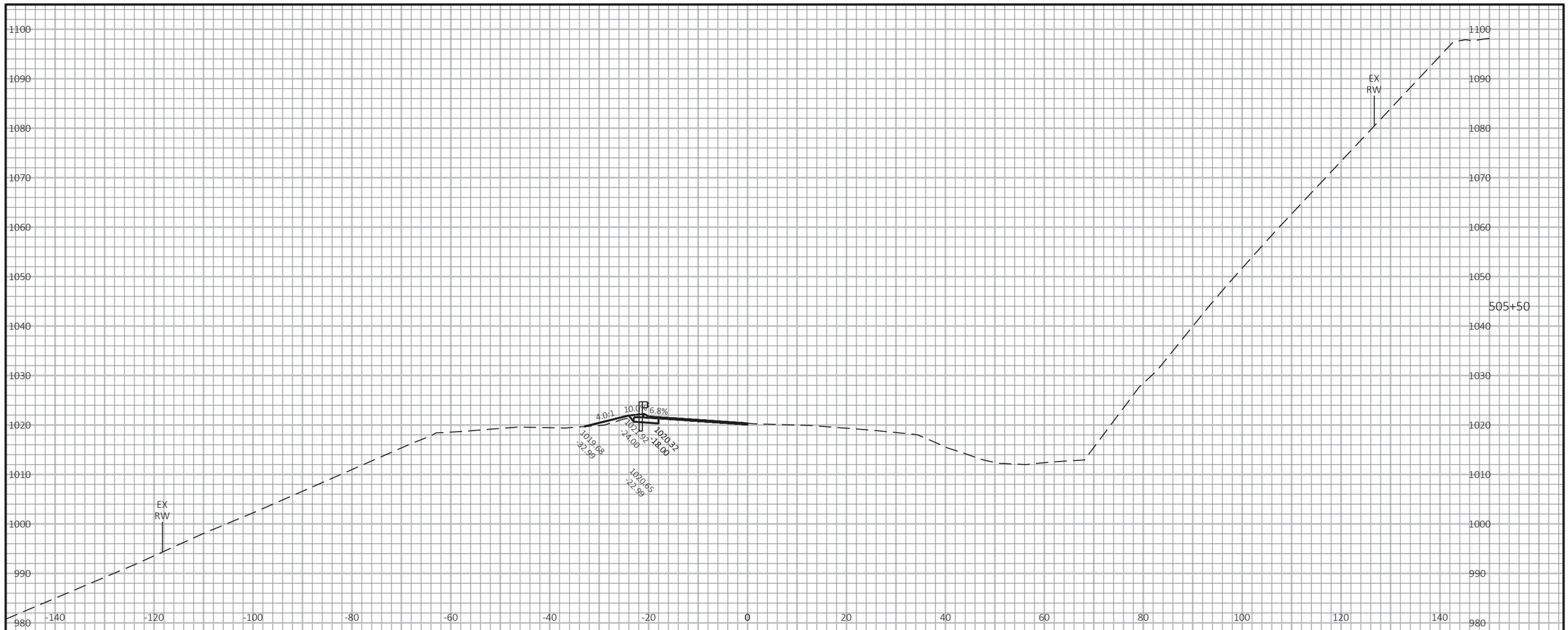
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 22

PLOT DATE : 7/2/2019 2:55 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

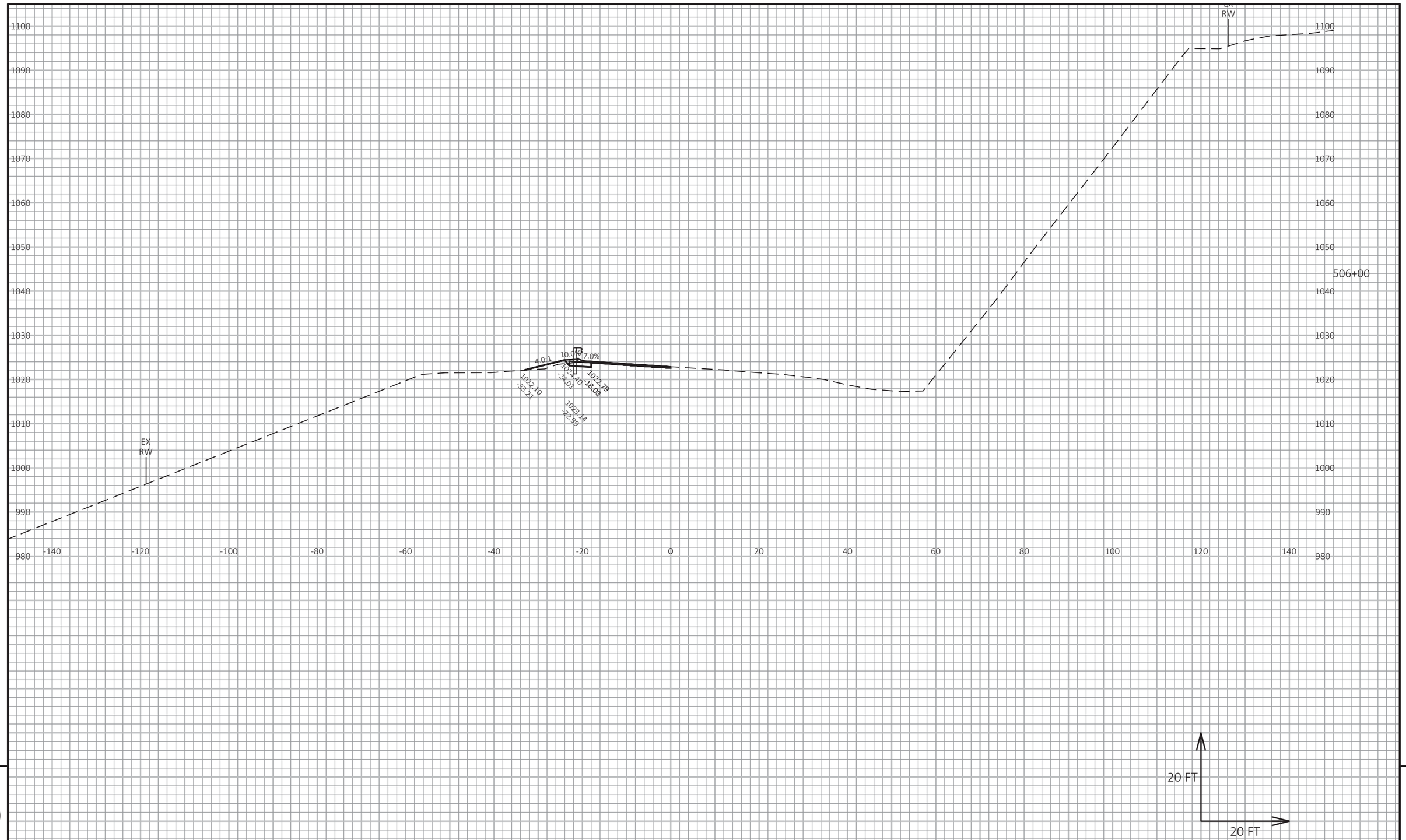
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 23

PLOT DATE : 7/2/2019 2:55 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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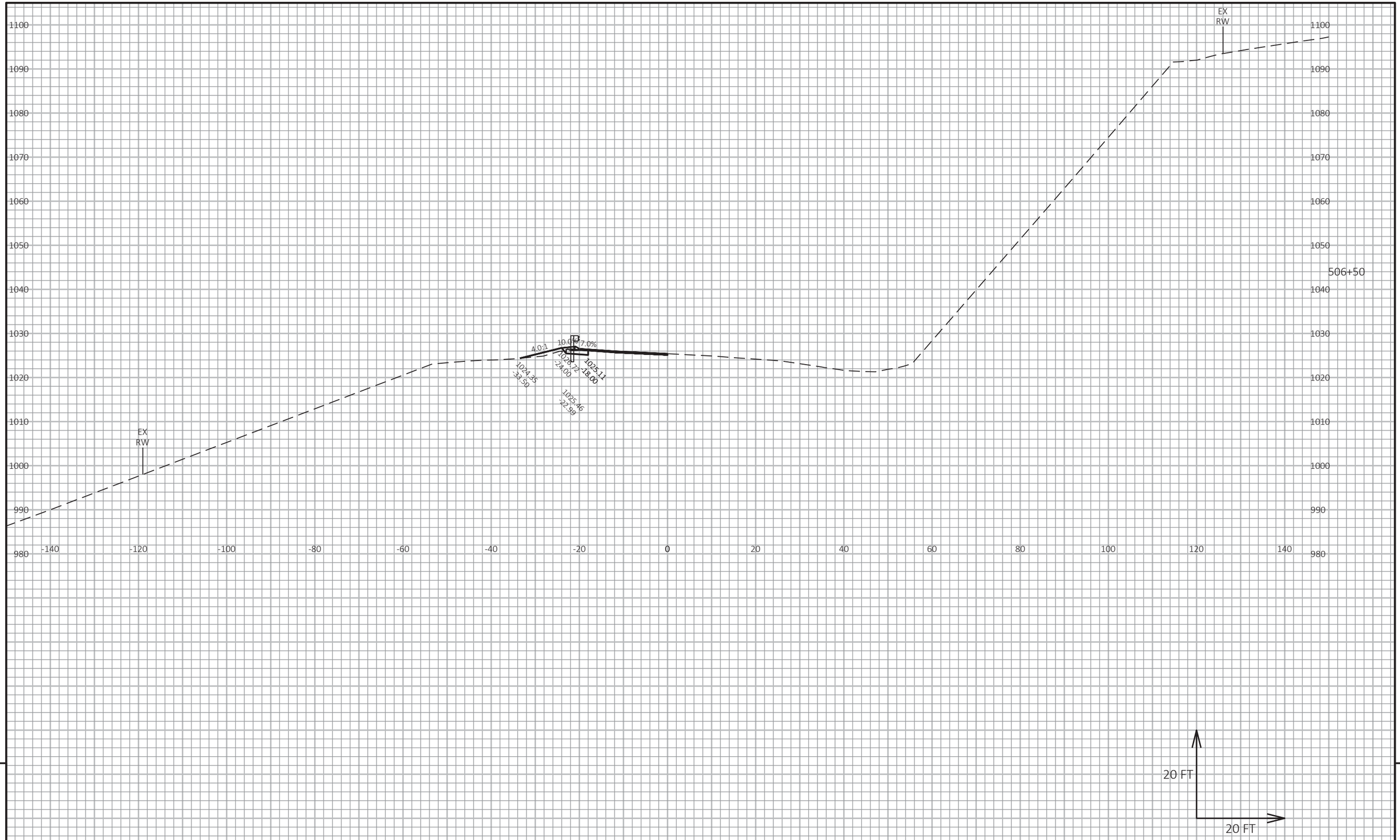
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 24

PLOT DATE : 7/2/2019 2:55 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 25

PLOT DATE : 7/2/2019 2:56 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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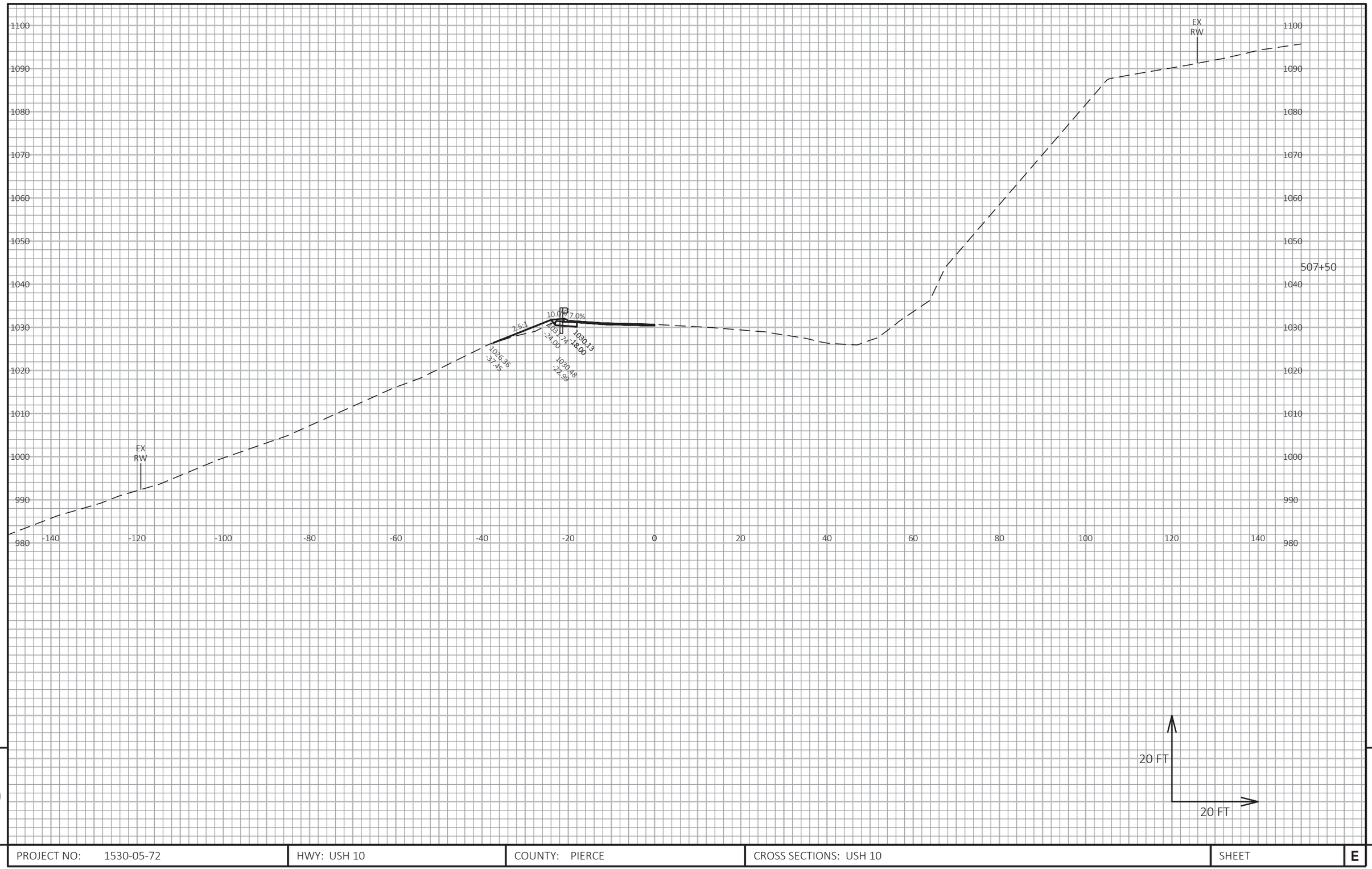
PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 26

PLOT DATE : 7/2/2019 2:56 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

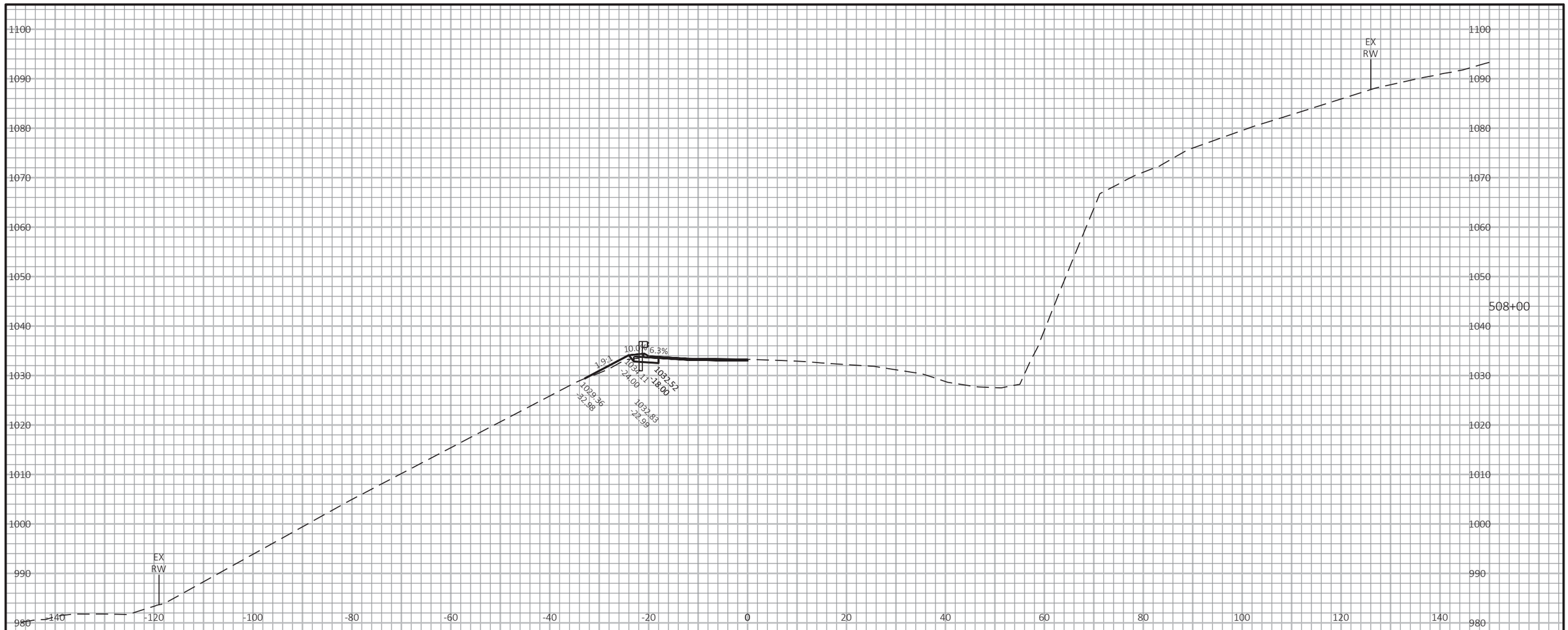
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 27

PLOT DATE : 7/2/2019 2:57 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

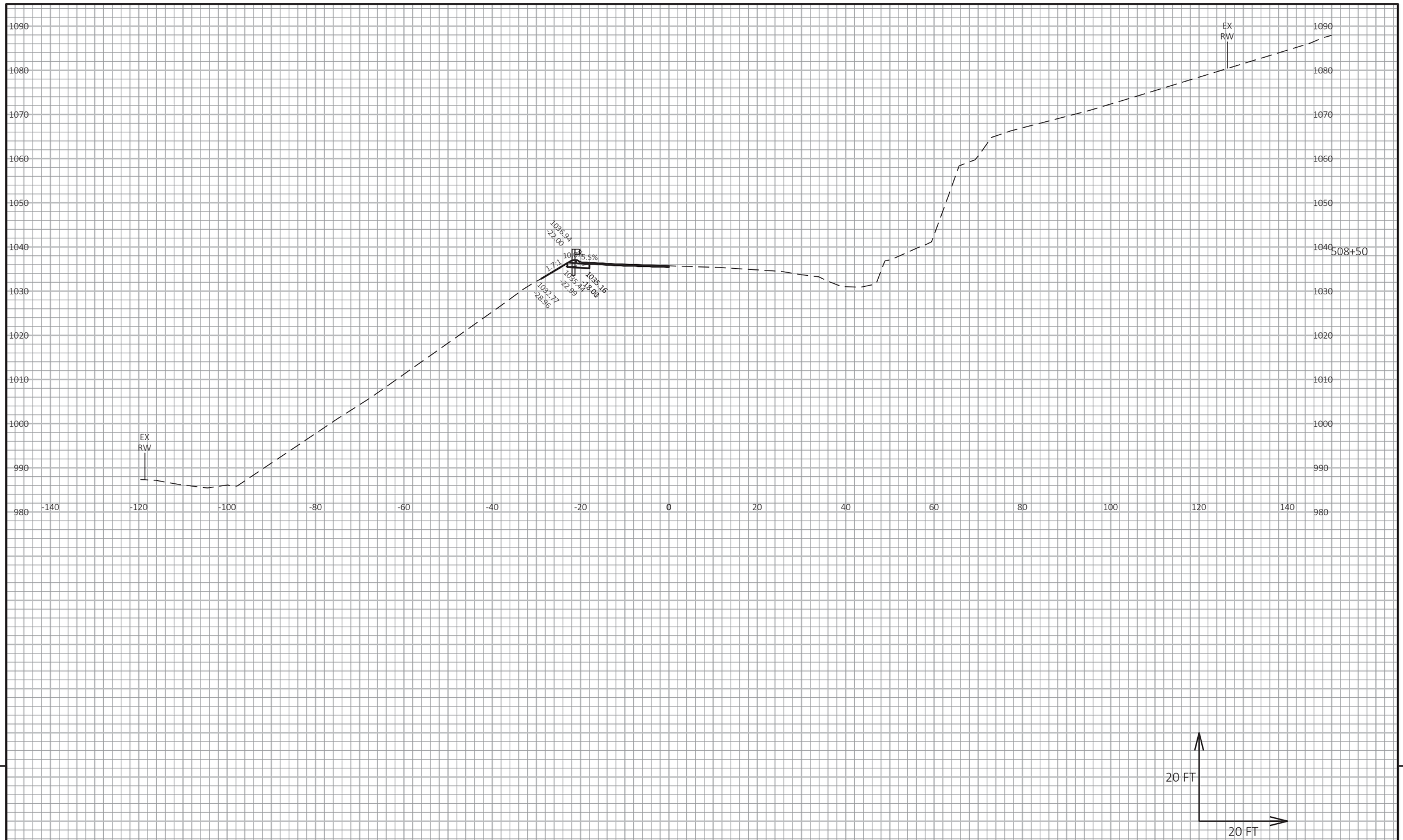
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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 28

PLOT DATE : 7/2/2019 2:57 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 29

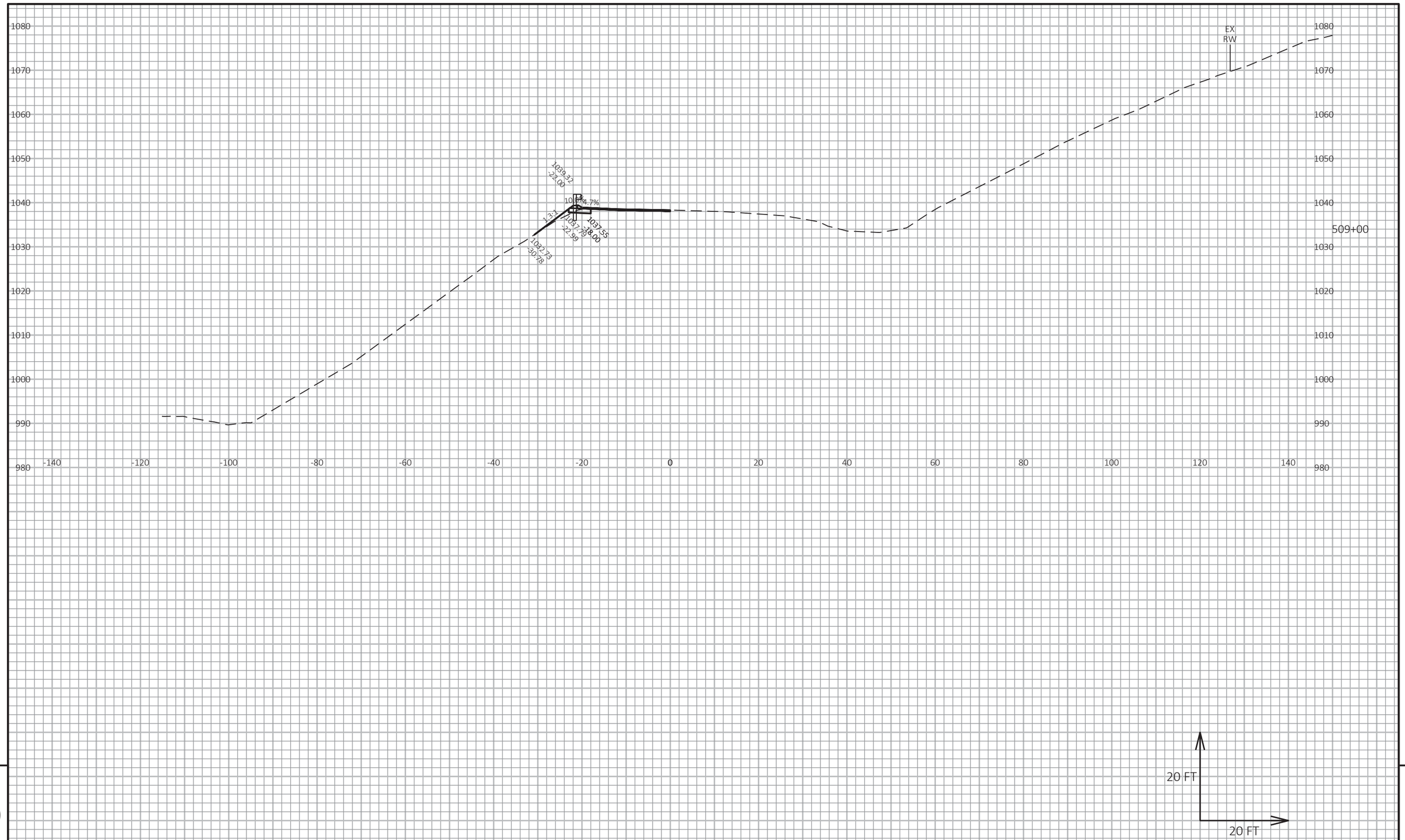
PLOT DATE : 7/2/2019 2:57 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



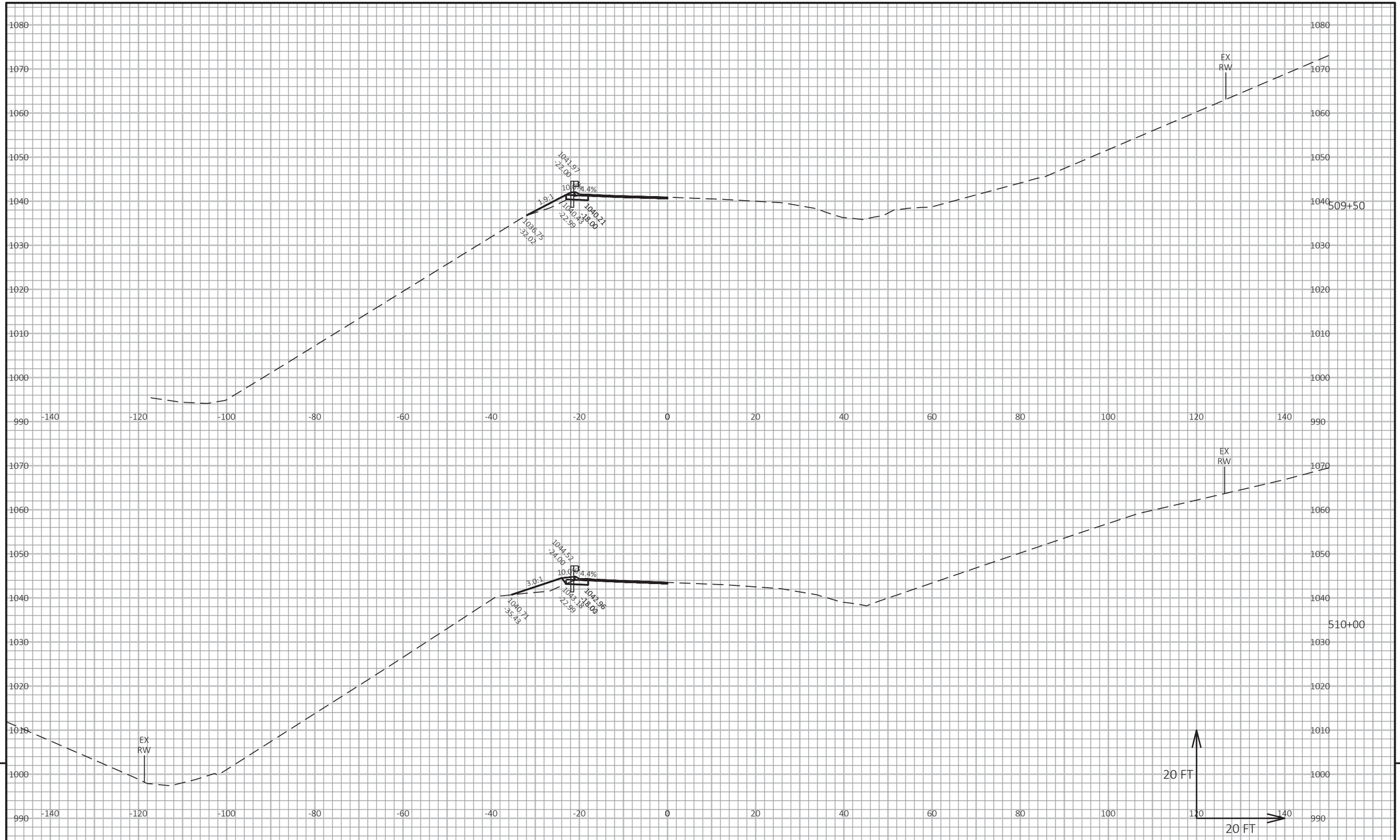
9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 30

PLOT DATE : 7/2/2019 2:58 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 31

PLOT DATE : 7/2/2019 2:58 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 32

PLOT DATE : 7/2/2019 2:58 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

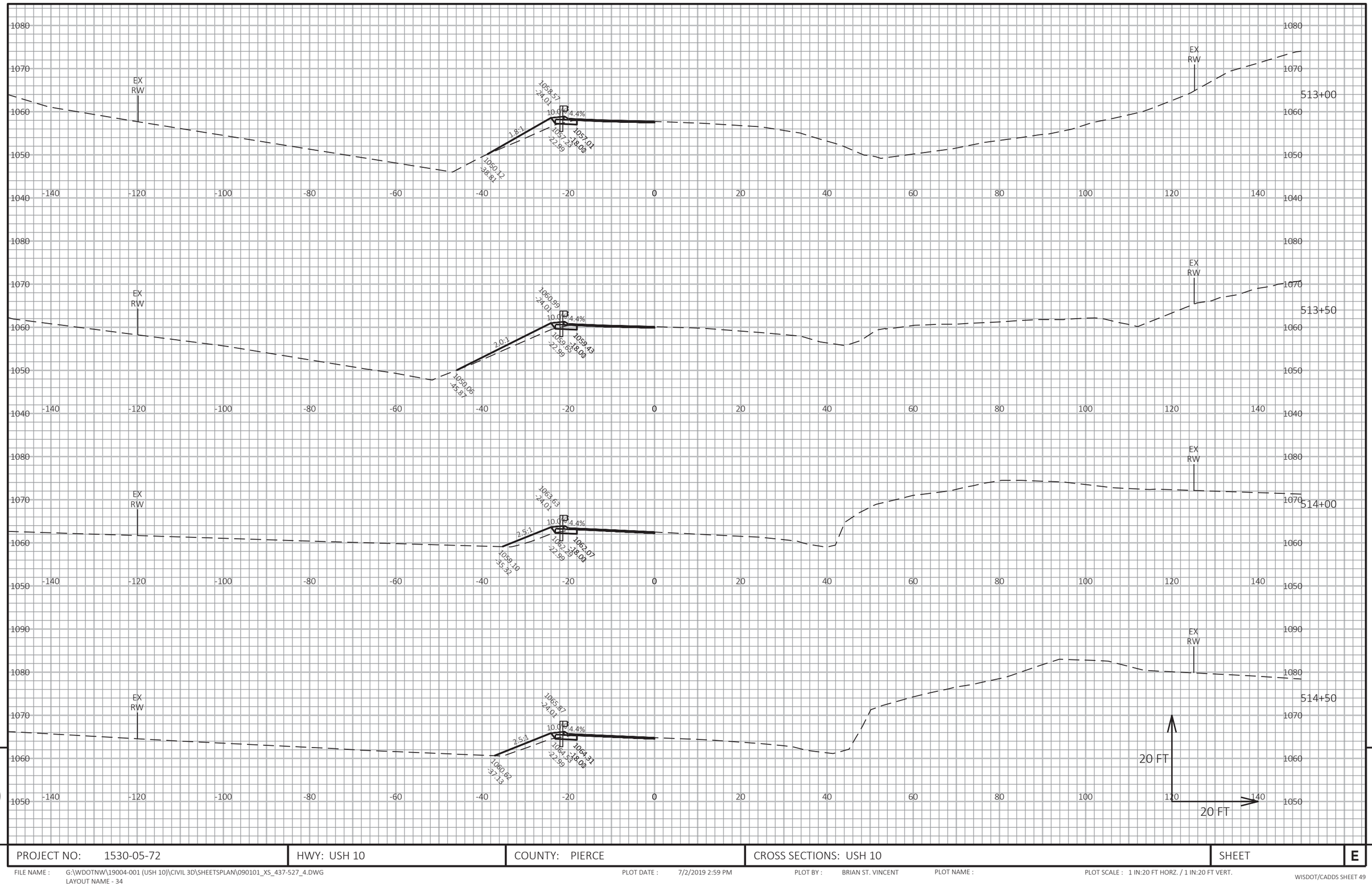


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 33

PLOT DATE : 7/2/2019 2:59 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

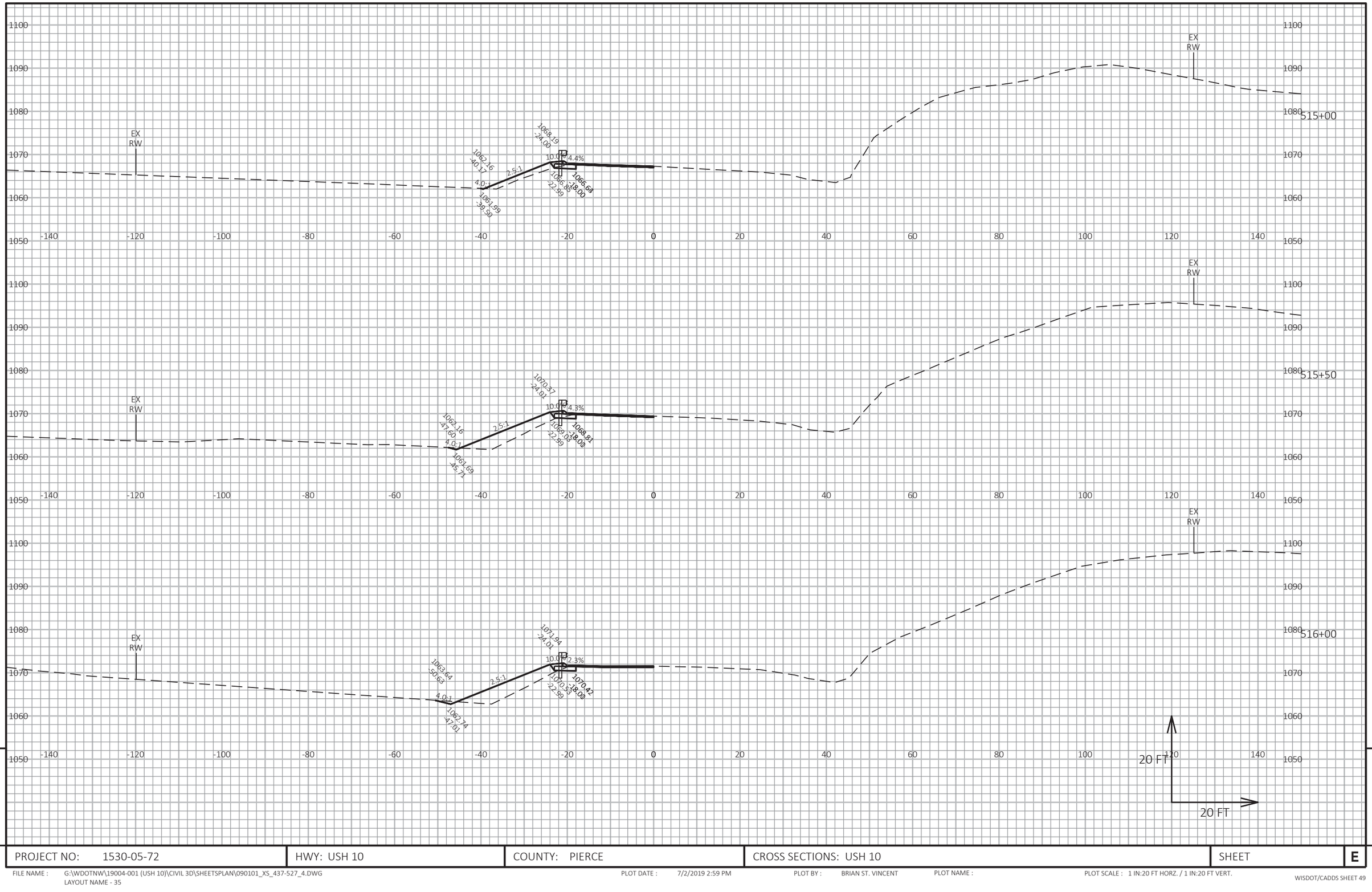
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 34

PLOT DATE : 7/2/2019 2:59 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

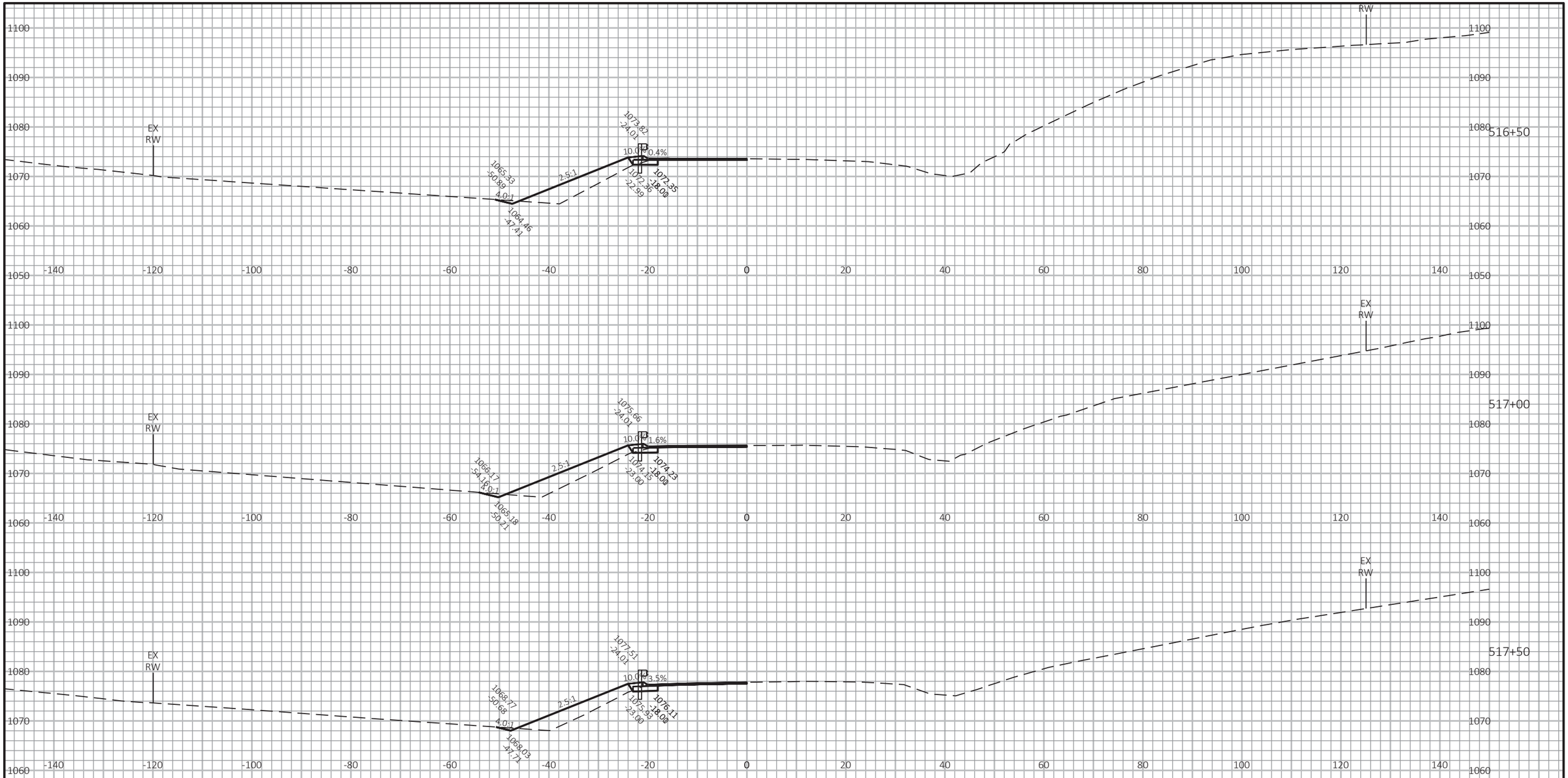


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 35

PLOT DATE : 7/2/2019 2:59 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

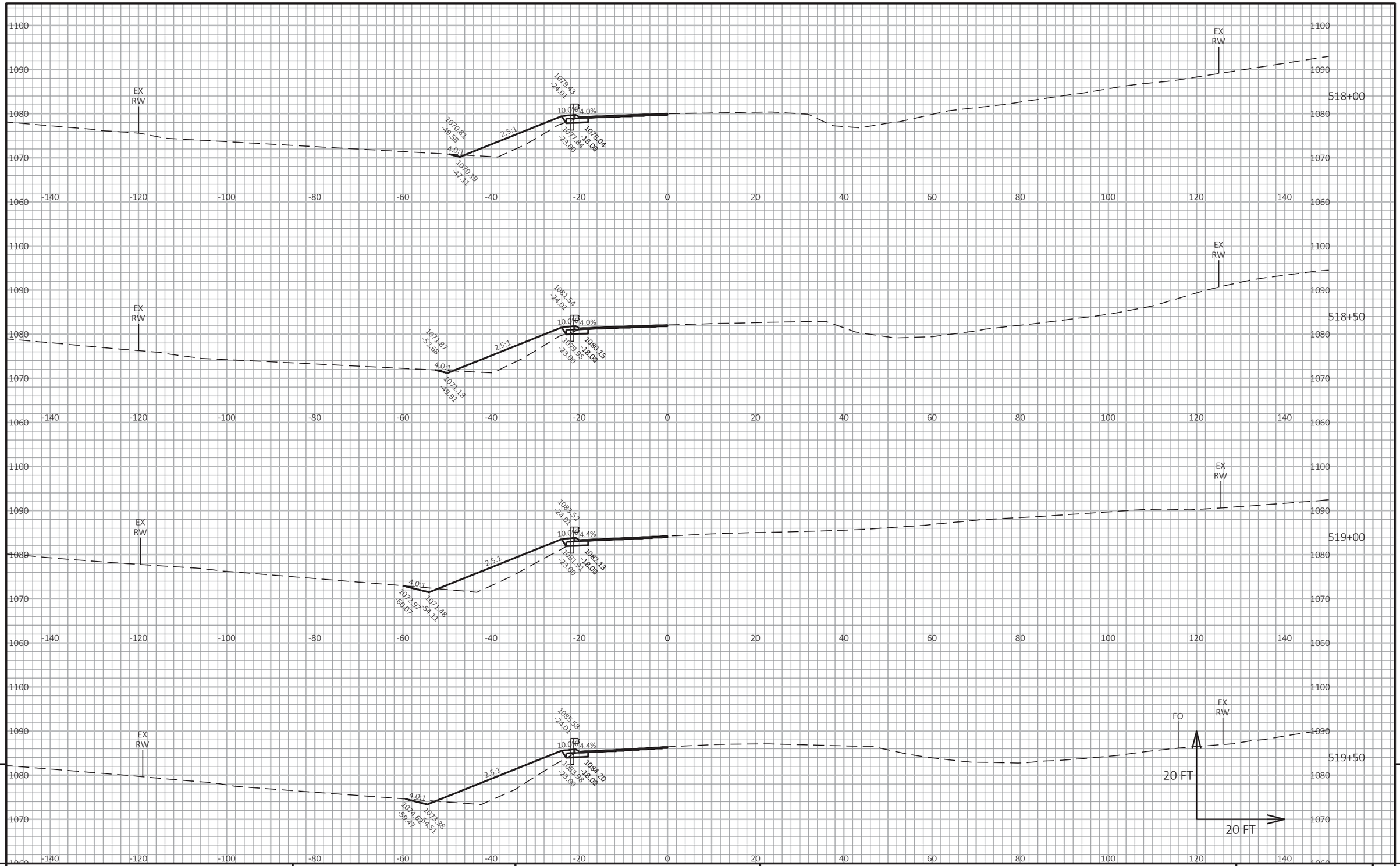


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 36

PLOT DATE : 7/2/2019 3:00 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

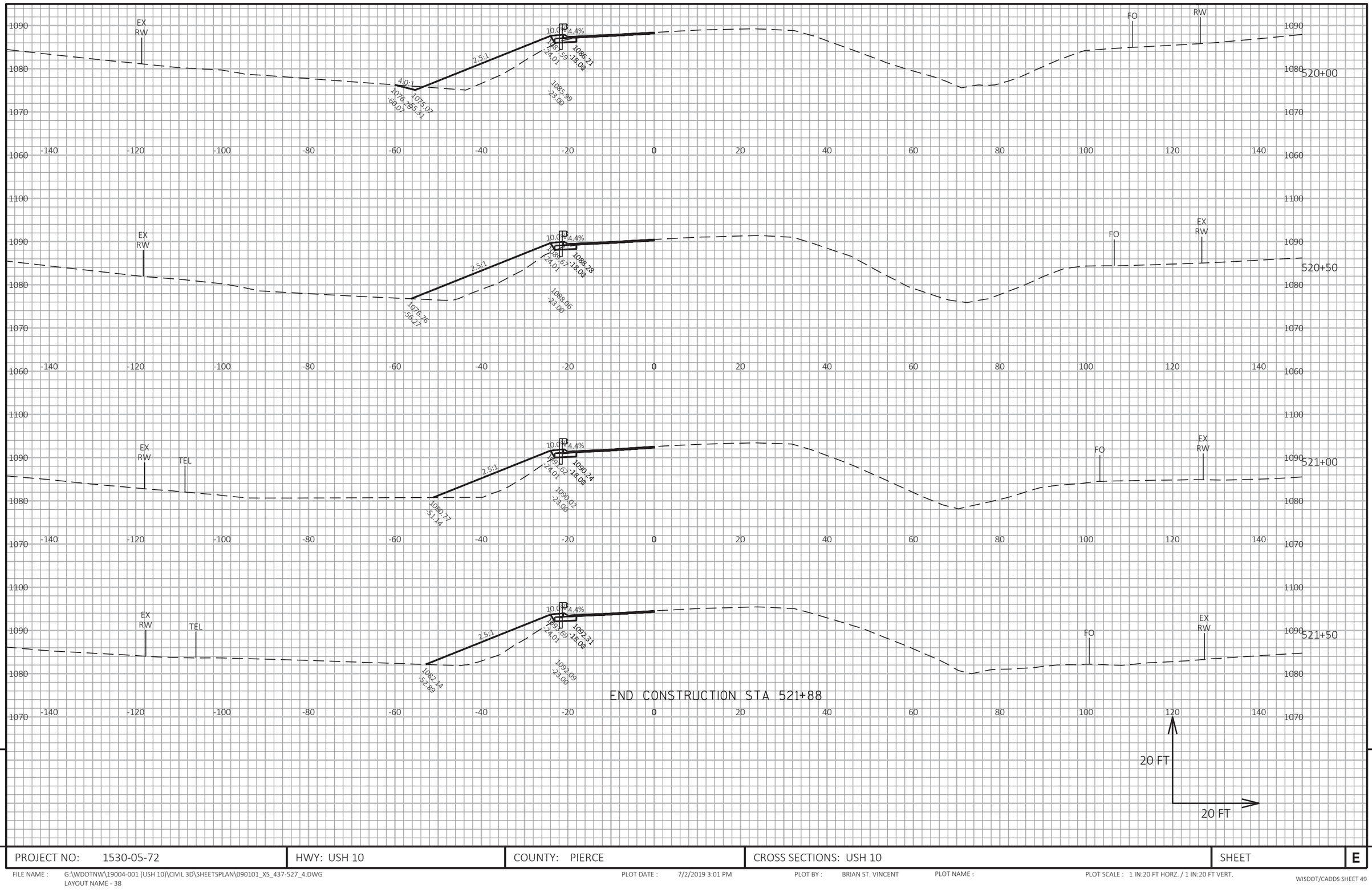
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 37

PLOT DATE : 7/2/2019 3:00 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

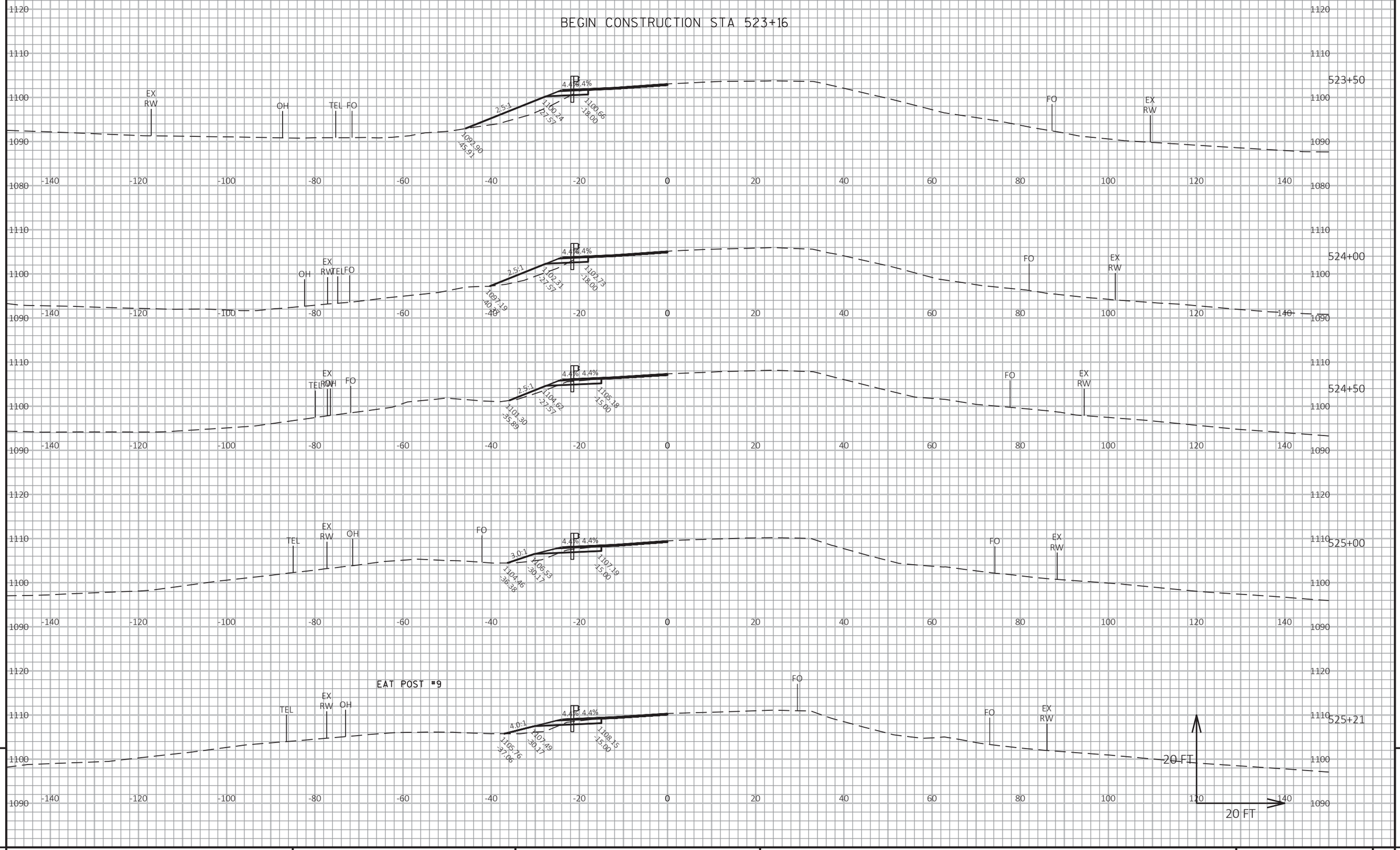


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_4.DWG
LAYOUT NAME - 38

PLOT DATE : 7/2/2019 3:01 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

BEGIN CONSTRUCTION STA 523+16



PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_5.DWG
LAYOUT NAME - 10

PLOT DATE : 7/2/2019 2:58 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

EAT POST #5

TEL
EX RW
OH
4.4%
4.4%
4.0:1
1107.16
-36.57
1108.42
-31.50
1109.15
-15.00
FO
EX RW
525+46

TEL
EX RW
OH
4.4%
4.4%
4.0:1
1107.36
-36.66
1108.55
-31.89
1109.30
-15.00
FO
EX RW
525+50

EAT POST #1

TEL
EX RW
OH
4.4%
4.4%
4.0:1
1108.14
-38.58
1109.30
-33.94
1110.13
-15.00
FO
EX RW
525+71

TEL
EX RW
4.4%
4.4%
4.0:1
1109.57
-37.30
1110.74
-32.62
1111.52
-15.00
FO
EX RW
526+00

TEL
EX OH RW
4.4%
4.0:1
1112.93
-32.93
1113.58
-15.00
FO
EX RW
526+50

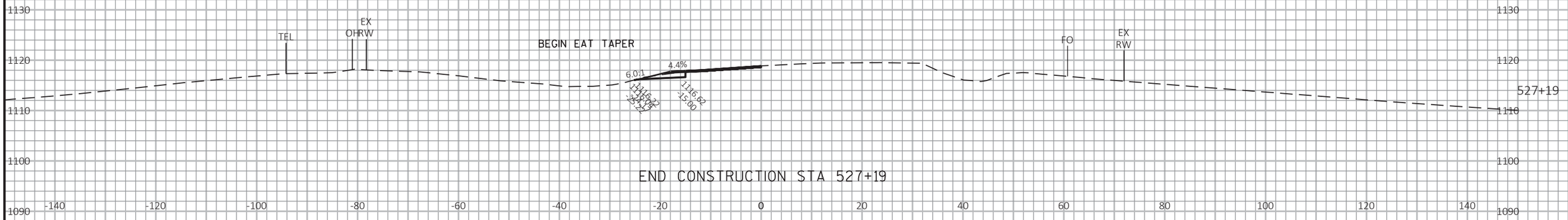
TEL
EX OH RW
4.4%
4.0:1
1114.36
-30.09
1115.40
-26.85
1115.88
-15.00
FO
EX RW
20 FT
20 FT
527+00

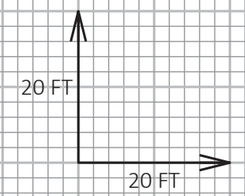
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_5.DWG
LAYOUT NAME - 11

PLOT DATE : 7/2/2019 2:59 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_437-527_5.DWG
LAYOUT NAME - 12

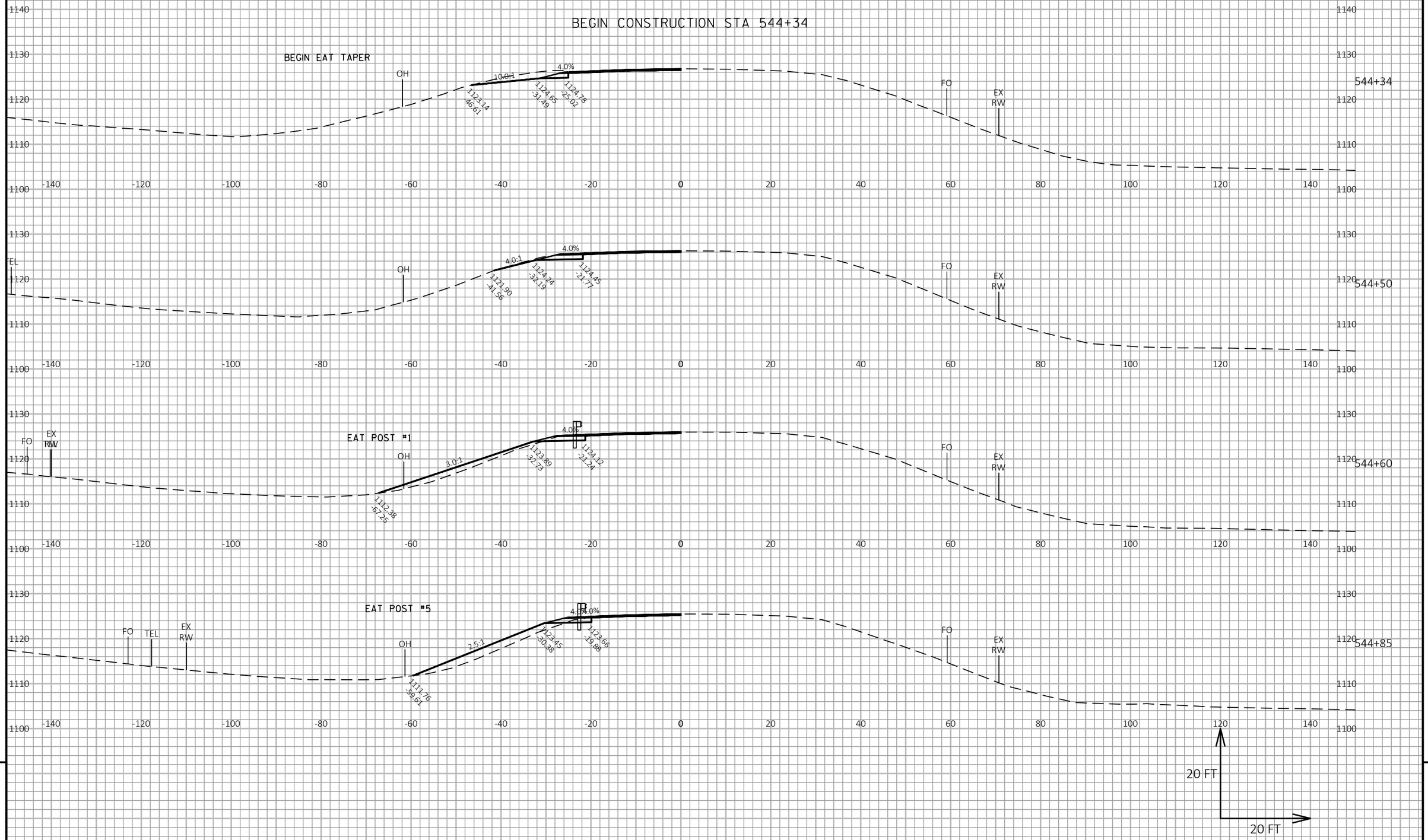
PLOT DATE : 7/2/2019 2:59 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

BEGIN CONSTRUCTION STA 544+34

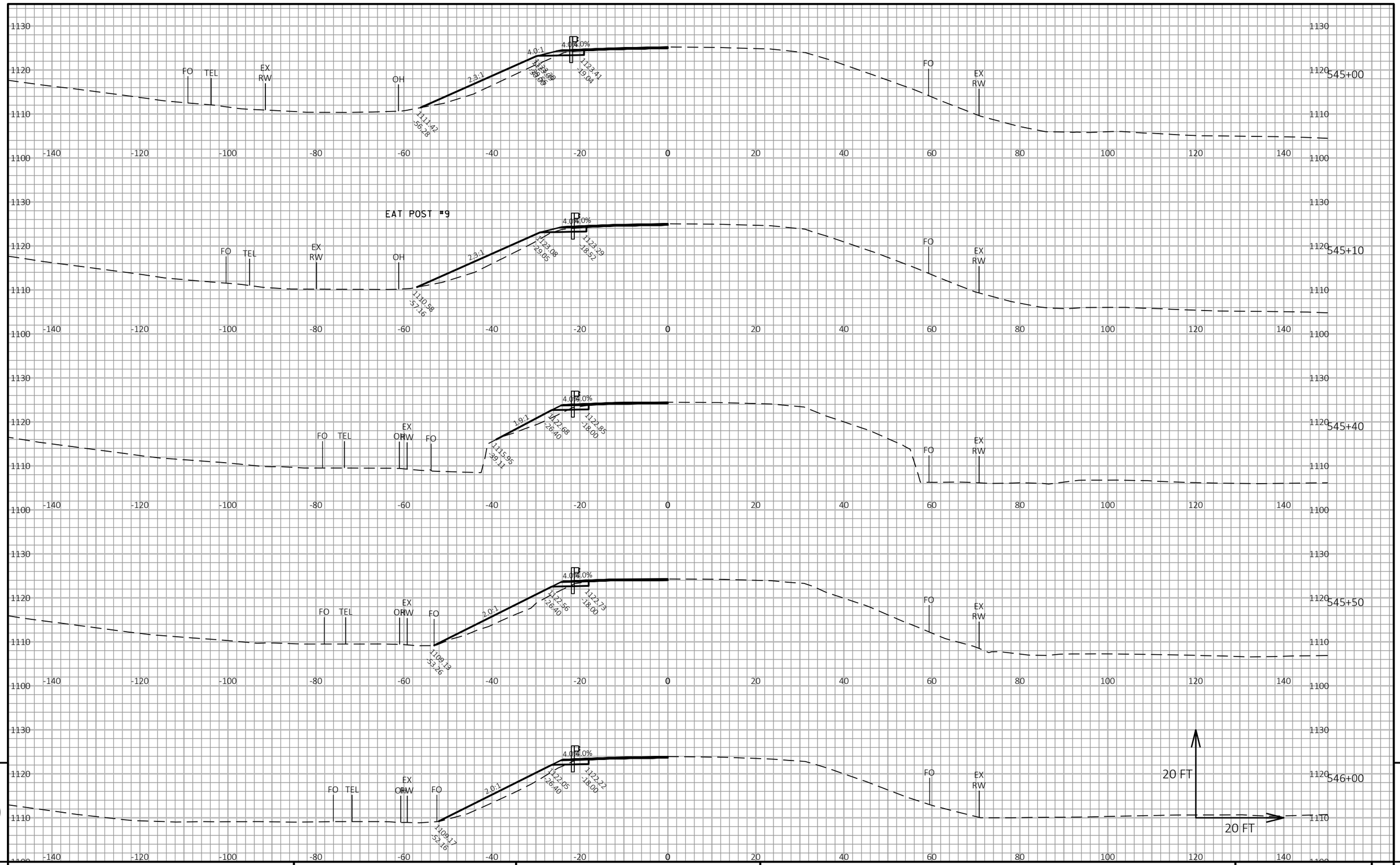


PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_544-552.DWG
LAYOUT NAME - 10

PLOT DATE : 7/3/2019 12:59 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

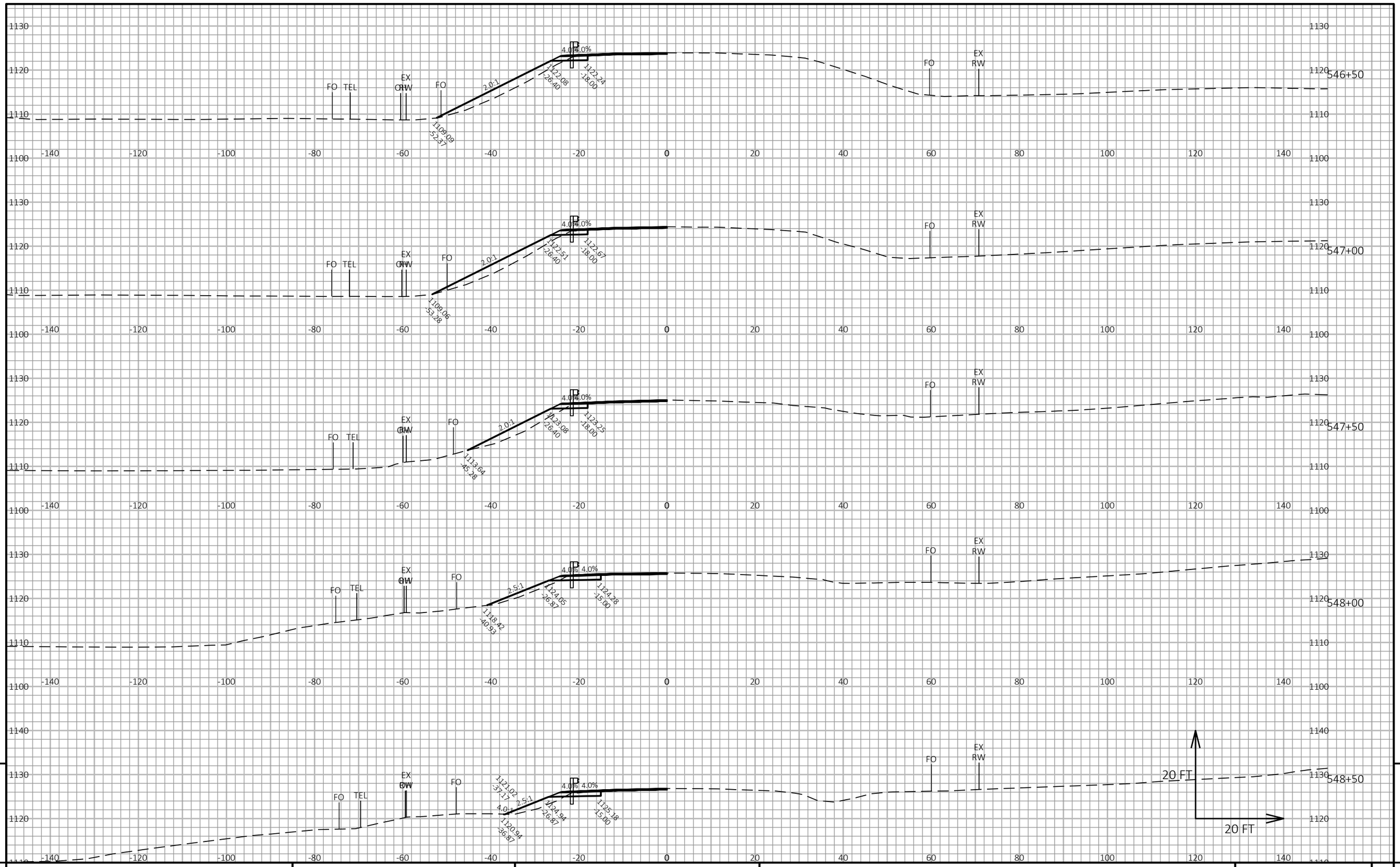


9 9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_544-552.DWG
LAYOUT NAME - 11

PLOT DATE : 7/3/2019 12:59 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_544-552.DWG
LAYOUT NAME - 12

PLOT DATE : 7/3/2019 1:00 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

STA 549+39 (SKEWED SECTION)
SKEW 2.64° RHF
1-56 LF 24-INCH CPRC CLASS IV REQ'D
2-APRON ENDWALLS REQ'D

STA 549+37, 26.5' LT
ELEV 1124.54'

STA 549+40, 29.1' RT
ELEV 1125.75'

549+00

549+39

549+50

550+00

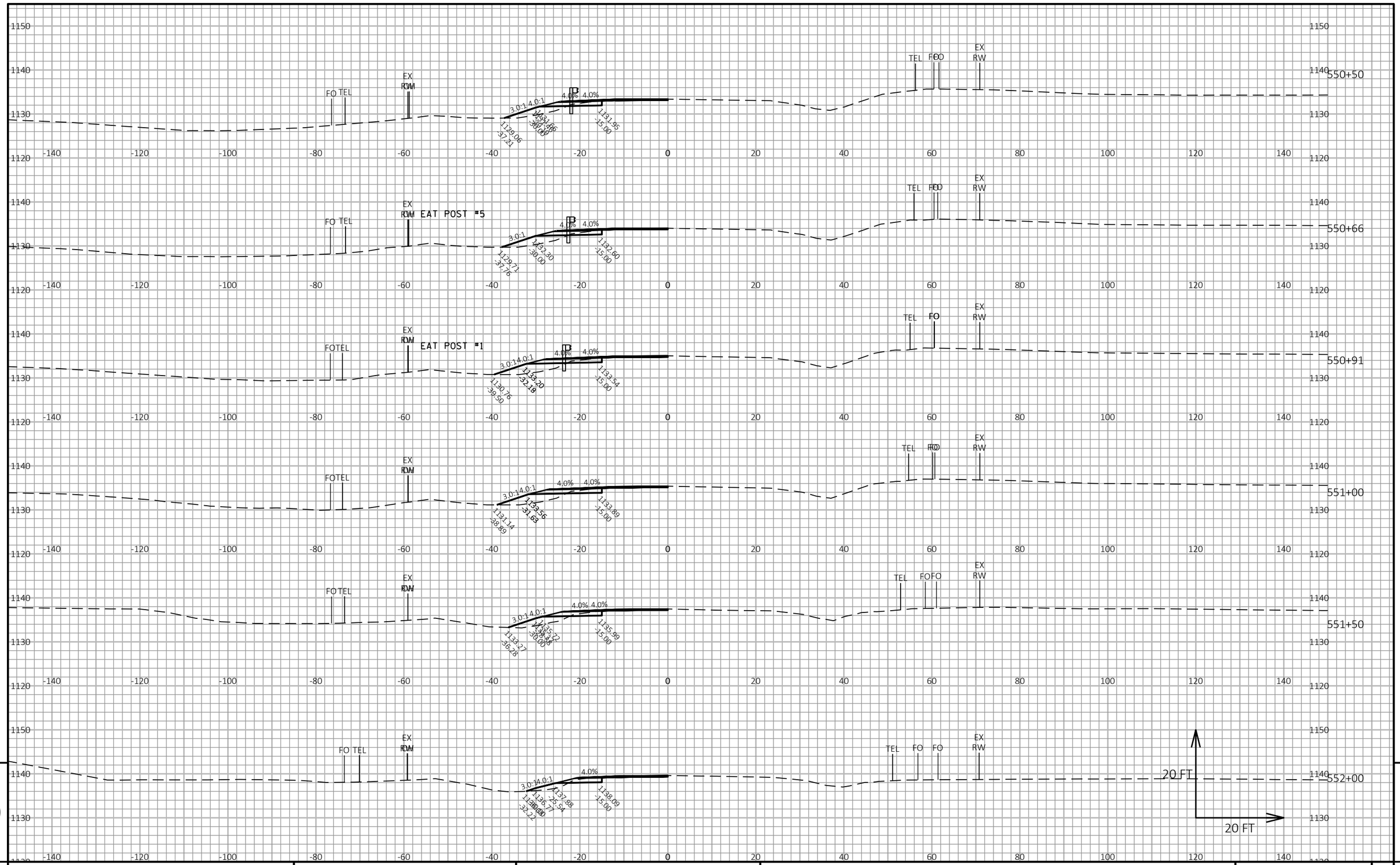
550+41

20 FT

20 FT

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_544-552.DWG
LAYOUT NAME - 13
PLOT DATE : 7/3/2019 1:00 PM
PLOT BY : BRIAN ST. VINCENT
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

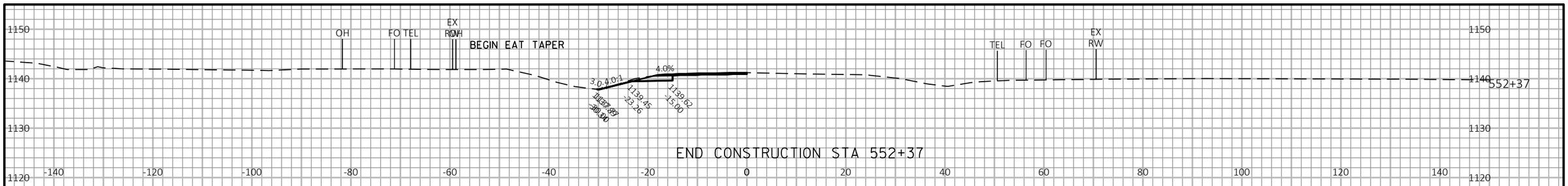
FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_544-552.DWG
LAYOUT NAME - 14

PLOT DATE : 7/3/2019 1:00 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: USH 10	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_544-552.DWG
LAYOUT NAME - 15

PLOT DATE : 7/3/2019 1:01 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

BEGIN CONSTRUCTION STA 0+20'S'

1+00'S'

EAT POST #9

1+15'S'

EAT POST #5

1+40'S'

1+50'S'

20 FT

20 FT

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: 190TH STREET 'S'	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_285-296.DWG
LAYOUT NAME - 190-1

PLOT DATE : 7/3/2019 1:00 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

EAT POST #1

1+65'S'

EX RW
FO
4.0%
3:0:1
1126.33
-41.32
1131.40
-26.10
1131.70
-11.00

2+00'S'

EX RW
FO
3.0:1
4.0:1
4.0%
1131.64
-24.03
1131.96
-11.00
1132.03
-25.15
1131.70
-23.78

2+50'S'

EX RW
FO
14.3:1
4.0%
1132.40
-20.46
1132.59
-11.00
1132.43
-20.99

3+00'S'

EX RW
10.0:1
4.0%
1133.16
-18.35
1133.30
-11.00
1133.03
-19.66

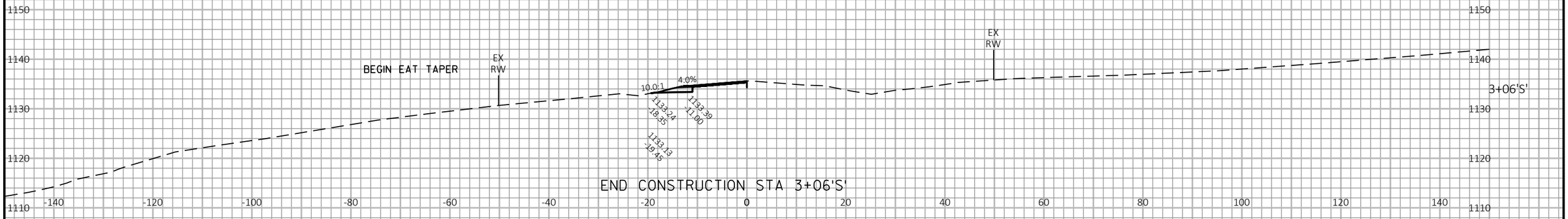
20 FT
20 FT

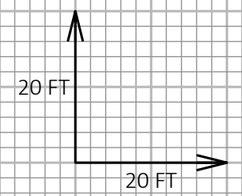
9

PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: 190TH STREET 'S'	SHEET E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_285-296.DWG
LAYOUT NAME - 190-2

PLOT DATE : 7/3/2019 1:01 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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PROJECT NO: 1530-05-72	HWY: USH 10	COUNTY: PIERCE	CROSS SECTIONS: 190TH STREET 'S'	SHEET	E

FILE NAME : G:\WDOTNW\19004-001 (USH 10)\CIVIL 3D\SHEETSPLAN\090101_XS_285-296.DWG
LAYOUT NAME - 190-3

PLOT DATE : 7/3/2019 1:01 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49