PROJECT ID: 5255-05-70
WITH: N/A

COUNTY: GRANT

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 5255-05-70

A.A.D.T.	2023	=	3,900
A.A.D.T.	2043	=	4,900
D.H.V		=	T.B.D.
D.D.		=	60/40
T.		=	7.0%
DESIGN SPEED		=	55 MPH
ESALS		=	740,000

CONVENTIONAL SYMBOLS

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

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

LANCASTER - PLATTEVILLE

STH 61 TO E JCT OLD LANCASTER RD

STH 81

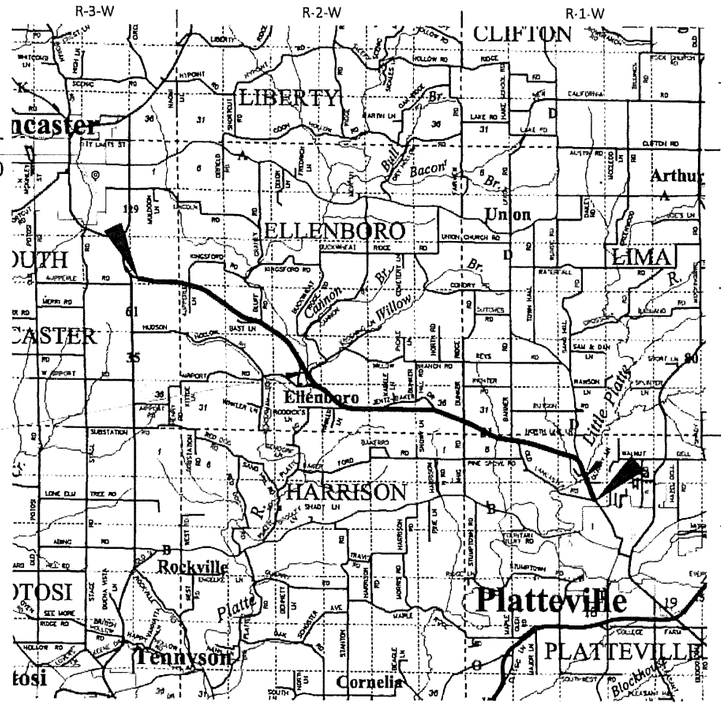
GRANT COUNTY

STATE PROJECT NUMBER
5225-05-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5225-05-70		

BEGIN PROJECT
STA 198+50.00
Y = 511699.484
X = 827349.914

STRUCTURE B-22-228
STA 416+93 - STA 419+97



STRUCTURE B-22-227
STA 767+77 - STA 769+23

END PROJECT
STA 807+49.49
Y = 487006.769
X = 878792.566

LAYOUT
SCALE 0 3 MI

TOTAL NET LENGTH OF CENTERLINE = 11.534 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), GRANT COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ORIGINAL PLANS PREPARED BY
AECOM

WISCONSIN
ZACHARY R. LARSON
E-43030
MADISON
WI
PROFESSIONAL ENGINEER

11/1/2019 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	AECOM
Designer	AECOM
Project Manager	ROBERT KNORR
Regional Examiner	SW REGION
Regional Supervisor	BRANDON LAMERS

APPROVED FOR THE DEPARTMENT
DATE 11/1/19 (Signature)

E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\010101_TI.DWG
PLOT DATE : 10/16/2019 9:17 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :

GENERAL NOTES

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

BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.

EXCAVATION BELOW SUBGRADE (EBS), FOR REMOVAL OF UNSUITABLE MATERIAL, AS SHOWN ON THE PLANS IS MEASURED AND PAID FOR AS EXCAVATION COMMON. EXACT LOCATIONS FOR REMOVING UNSUITABLE MATERIAL WILL BE DETERMINED BY THE ENGINEER.

SALVAGED TOPSOIL, SEEDING, MULCHING, AND FERTILIZER HAVE BEEN COMPUTED BY A DIRECT MEASUREMENT ON THE CROSS SECTIONS PLUS FIVE (5) FEET BEYOND THE TOE OF SLOPE.

RADII, ELEVATIONS, AND DIMENSIONS ARE GIVEN AT THE PAVEMENT EDGES, UNLESS OTHERWISE NOTED IN THE PLANS.

THE CONTRACTOR SHALL NOT OPERATE BEYOND THE SLOPE INTERCEPTS AS SHOWN IN THE PLANS WHEN ADJACENT TO WETLANDS OR ENVIRONMENTALLY SENSITIVE AREAS.

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

ADJUST TRAFFIC CONTROL DEVICE LOCATIONS TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

EROSION CONTROL ITEMS SHOWN IN THE MISCELLANEOUS QUANTITIES ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS TO FIT FIELD CONDITIONS.

WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.

THE HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON A UNIT WEIGHT OF 112 LBS/SY/IN OF DEPTH.

THE BASE AGGREGATE DENSE (BAD) CALCULATIONS ARE BASED ON A UNIT WEIGHT OF 2.1 TONS/CY FOR 3/4-INCH B.A.D., 2.0 TONS/CY FOR 1 1/4-INCH B.A.D., AND 1.9 TONS/CY FOR SELECT CRUSHED.

RIGHT OF WAY LINES IN THIS PLAN WERE APPROXIMATED FROM PREVIOUS AS-BUILTS.

*4.5-INCH HMA PAVEMENT

LAYER	THICKNESS	BID ITEM
UPPER	2.0-INCHES	4 LT 58-28 S
LOWER	2.5-INCHES	3 LT 58-28 S

ABBREVIATIONS

(100')	RECORDED AS
A.A.D.T.	ANNUAL AVERAGE DAILY TRAFFIC
AC	ACRES
AH	AHEAD
AP	ACCESS POINT/DRIVEWAY CONNECTION
AR	ACCESS RIGHTS
ASPH.	ASPHALTIC
ET. AL.	AND OTHERS
B.A.D.	BASE AGGREGATE DENSE
BK	BACK
BM	BENCH MARK
C & G	CURB AND GUTTER
℄ OR CL	CENTERLINE
C.A.B.C.	CRUSHED AGGREGATE BASE COURSE
C.P.	CULVERT PIPE
C.P.C.S.	CULVERT PIPE CORRUGATED STEEL
C.P.R.C.	CULVERT PIPE REINFORCED CONCRETE
C.T.H.	COUNTY TRUNK HIGHWAY
CE	COMMERCIAL ENTRANCE
C.M.C.P.	CORRUGATED METAL CULVERT PIPE
CONC.	CONCRETE
COR.	CORNER
CSM	CERTIFIED SURVEY MAP
CWT.	HUNDREDWEIGHT
CY	CUBIC YARD
D	DEGREE OF CURVE
D.D.	DIRECTIONAL DISTRIBUTION
D.H.V.	DESIGN HOUR VOLUME
DIA.	DIAMETER
DOC.	DOCUMENT
E.	EAST
EAT	ENERGY ABSORBING TERMINAL
E.B.S.	EXCAVATION BELOW SUBGRADE
E.S.A.L.	EQUIVALENT SINGLE AXLE LOAD
EASE.	EASEMENT
EB	EASTBOUND
EL OR ELEV	ELEVATION
ELEC.	ELECTRIC (AL)
EXC.	EXCAVATION
EXIST.	EXISTING
F.E.	FIELD ENTRANCE
F.L. OR F/L	FLOW LINE
FT.	FOOT
H.E.	HIGHWAY EASEMENT
HMA	HOT MIX ASPHALT
HWY	HIGHWAY
INL.	INLET
INV.	INVERT
IP OR I.P.	IRON PIN
L	LENGTH OF CURVE
LF	LINEAL FOOT
L.H.F.	LEFT-HAND FORWARD
L.S.	LUMP SUM
LB.	POUND
LN	LANE
LT. OR LT	LEFT
M.L. OR M/L	MATCH LINE
MATL.	MATERIAL
MAX.	MAXIMUM
MGS	MIDWEST GUARDRAIL SYSTEM
MH.	MANHOLE
MI	MILE
MIN.	MINIMUM
MON.	MONUMENT
MP	ROADWAY MILEAGE
N.	NORTH
N/A	NOT APPLICABLE
N.C.	NORMAL CROWN
NB	NORTH BOUND
NO:	NUMBER
OBLIT	OBLITERATE
P.	PAGE
P.A.S.P.	PIPE ARCH STRUCTURAL PLATE
P.C.	POINT OF CURVATURE
P.C.C.	POINT OF COMPOUND CURVE
P.E.	PRIVATE ENTRANCE
P.I.	POINT OF INTERSECTION
P.L.	PROPERTY LINE
P.L.E.	PERMANENT LIMITED EASEMENT
P.T.	POINT OF TANGENCY

ABBREVIATIONS CONT.

PAVT.	PAVEMENT
PROJ.	PROJECT
PT.	POINT
PWL	PERCENT WITHIN LIMITS
R	RADIUS
R.H.F.	RIGHT-HAND FORWARD
℟ OR R/L OR RL	REFERENCE LINE
R/W OR RW	RIGHT-OF-WAY
R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
RD.	ROAD
REBAR.	REINFORCEMENT BAR
REINF	REINFORCING OR REINFORCEMENT
REM.	REMAINING
REQ'D	REQUIRED
ROR	RELEASE OF RIGHTS
RR.	RAILROAD
RRSP	RAILROAD SPIKE
RT OR RT.	RIGHT
S.	SOUTH
S.D.D.	STANDARD DETAIL DRAWINGS
S.E.	SUPERELEVATION
S.F. OR SQ.FT.	SQUARE FEET
S.S.	STORM SEWER
S.S.P.R.C.	STORM SEWER PIPE REINFORCED CONCRETE
S.T.H.	STATE TRUNK HIGHWAYS
S.Y. OR SQ.YD.	SQUARE YARD
SALV.	SALVAGED
SB	SOUTHBOUND
SEC.	SECTION
SHLD OR SHLDR.	SHOULDER
SPECS.	SPECIFICATIONS
STA.	STATION
STD.	STANDARD
T	TANGENT
T. %	TRUCKS (PERCENT OF)
TC	TRAFFIC CONTROL
T.L.E.	TEMPORARY LIMITED EASEMENT
T.P.M.	TEMPORARY PAVEMENT MARKING
T.P.M.R.T.	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE
TEL.	TELEPHONE
TEMP.	TEMPORARY
TYP.	TYPICAL
U.S.H.	UNITED STATES HIGHWAY
UG.	UNDERGROUND
V	VOLUME
V.C.	VERTICAL CURVE
W.	WEST
WB	WESTBOUND
W/	WITH
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE

DETAIL SHEET INDEX

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLANS
INTERSECTION DETAILS
GUARDRAIL LAYOUT
EROSION CONTROL
PERMANENT SIGNING AND MARKING
TRAFFIC CONTROL
DETOUR PLANS
ALIGNMENT DATA
CONTROL POINT DETAILS

2

UTILITIES

COMMUNICATION LINE

CENTURYLINK
KEVIN ZICKERT
224 INDUSTRIAL DR
NORTH PRAIRIE, WI 53153
PHONE: (262) 392-5200
Kevin.Zickert@centurylink.com

TDS TELECOM
KEN KLAAS
140 N MONROE ST
P.O. BOX 467
LANCASTER, WI 53813
PHONE: (608) 723-3633
Kenneth.Klaas@tdstelecom.com

ELECTRICITY

ALLIANT ENERGY
ALLAN MUMM
2200 E CAMPION BLVD
PRAIRIE DU CHIEN, WI 53821
PHONE: (608) 326-9481
Allanmumm@alliantenergy.com

DAIRYLAND POWER COOPERATIVE
ROB MALY
3200 EAST AVE S
P.O. BOX 817
LA CROSSE, WI 54602-0817
PHONE: (608) 788-4000
Rob.Maly@DairylandPower.com

SCENIC RIVERS ENERGY COOPERATIVE
CHAD OLMSTEAD
231 N SHERIDAN ST
LANCASTER, WI 53813
PHONE: (608) 723-2121
colmstead@srec.net

WATER

CITY OF PLATTEVILLE
HOWARD CROFOOT
75 N BONSON ST
P.O. BOX 780
PLATTEVILLE, WI 53818-0780
PHONE: (608) 348-9741
crofooth@platteville.org

GAS/PETROLEUM

NORTHERN NATURAL GAS COMPANY
LENNY KLASS
5557 COUNTY HIGHWAY D
PLATTEVILLE, WI 53818
PHONE: (608) 778-8514
Leonard.Klass@nngco.com

WISDOT

WisDOT DESIGN PROJECT MANAGER
ROBERT KNORR
2101 WRIGHT ST.
MADISON, WI 53704
PHONE: (608) 246-5444
robert.knorr@dot.wi.gov

WISDNR

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
(SOUTH CENTRAL REGION)
GRANT COUNTY
ANDY BARTA
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 275-3308
andrew.barta@wisconsin.gov

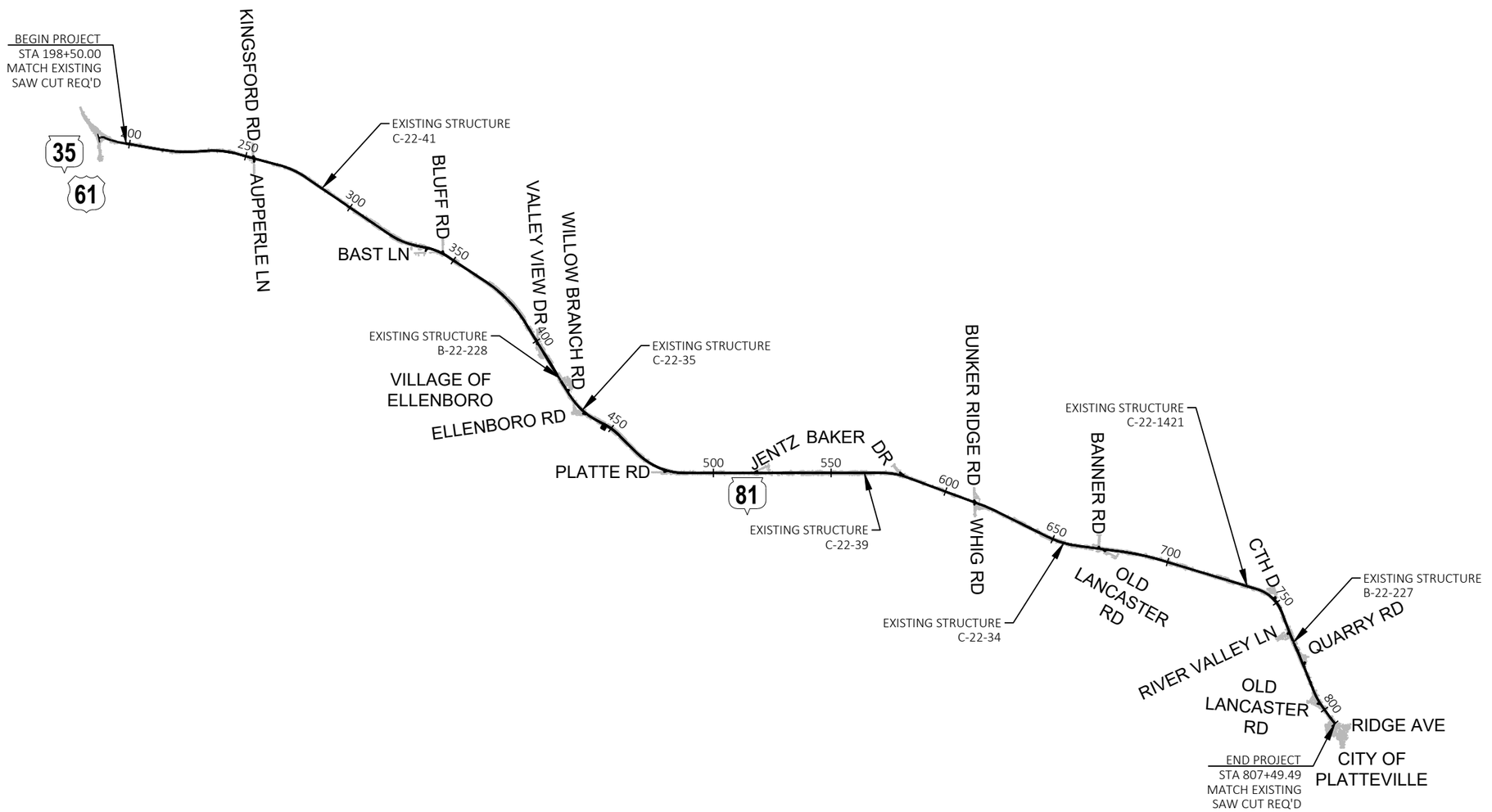
DESIGN CONTACT (ROADWAY)

AECOM
ZACH LARSON
1350 DEMING WAY
SUITE 100
MIDDLETON, WI 53562
PHONE: (608) 828-8165
zachary.larson@aecom.com

OTHER AGENCIES

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

2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PROJECT OVERVIEW	SHEET	E

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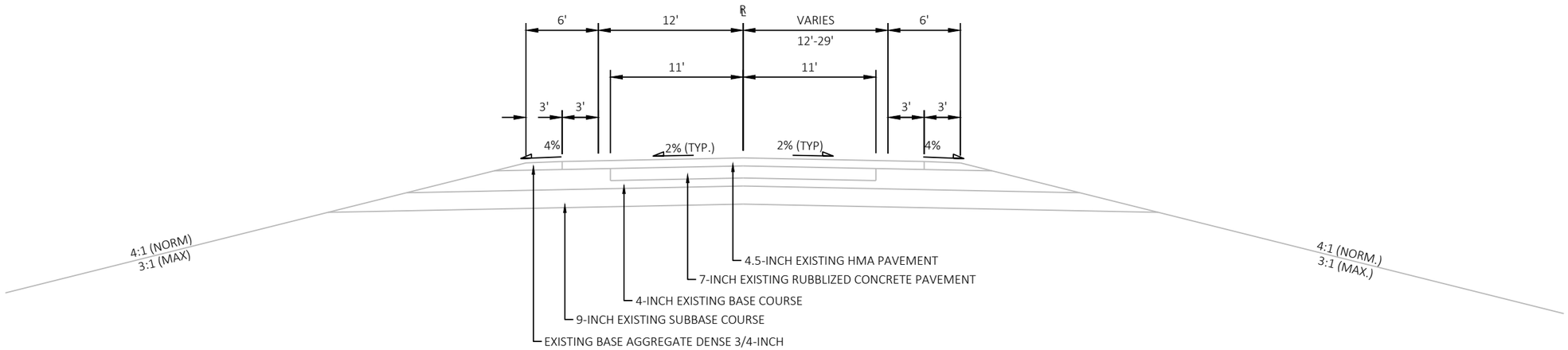
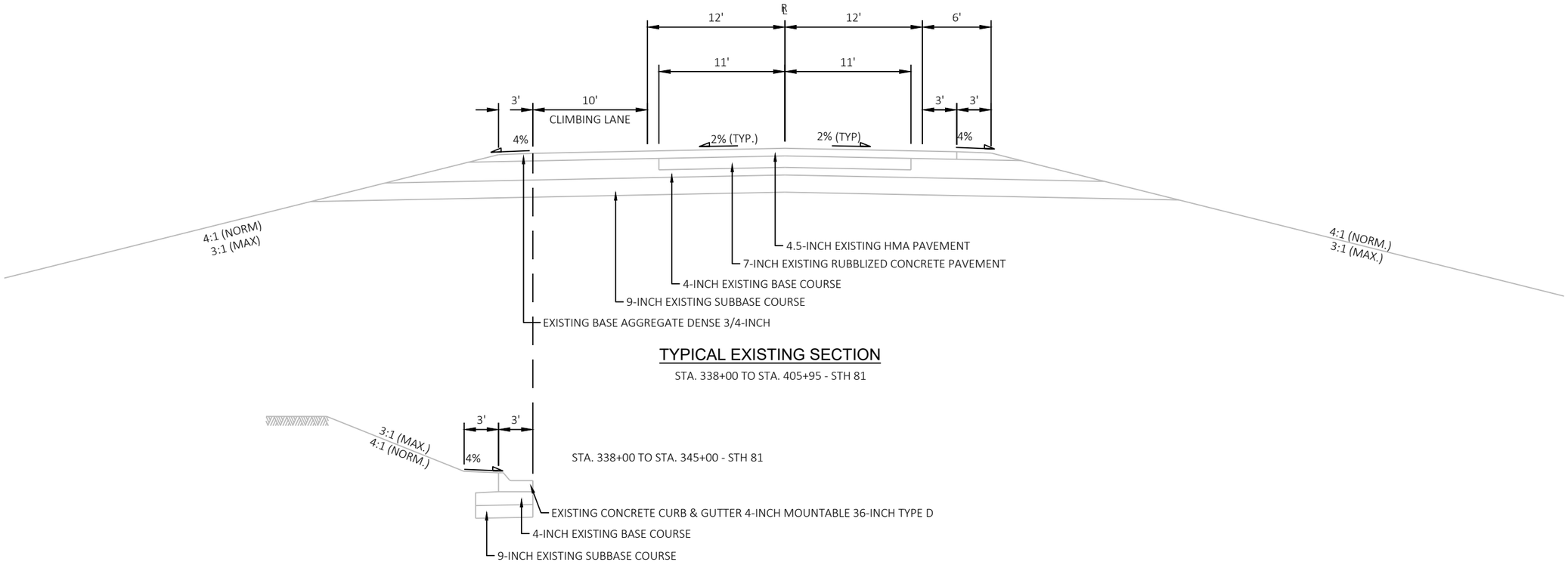
LAYOUT NAME - 01

PLOT DATE : 10/30/2019 8:20 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:1 MI



TYPICAL EXISTING SECTION

STA. 198+50 TO STA. 338+00 - STH 81
STA. 405+95 TO STA. 416+88 - STH 81
STA. 419+25 TO STA. 423+25 - STH 81
STA. 431+25 TO STA. 633+00 - STH 81
STA. 644+00 TO STA. 748+42 - STH 81



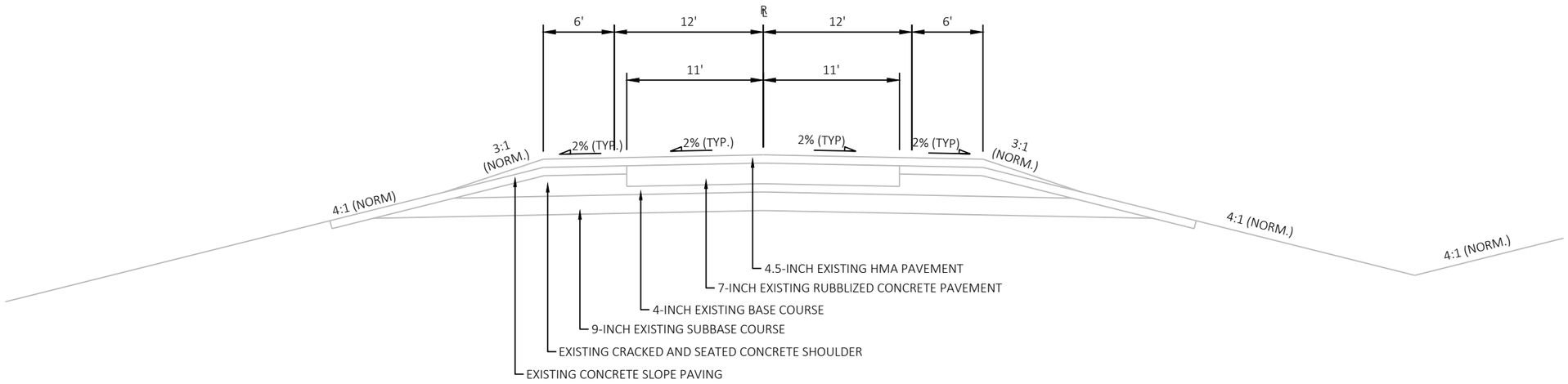
TYPICAL EXISTING SECTION

STA. 338+00 TO STA. 405+95 - STH 81

STA. 338+00 TO STA. 345+00 - STH 81

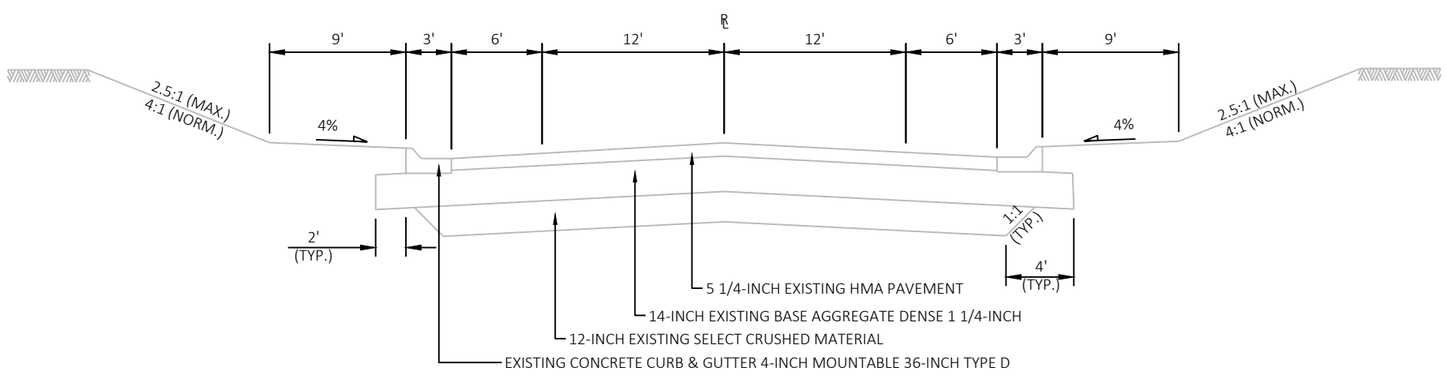
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E

2



TYPICAL EXISTING SECTION

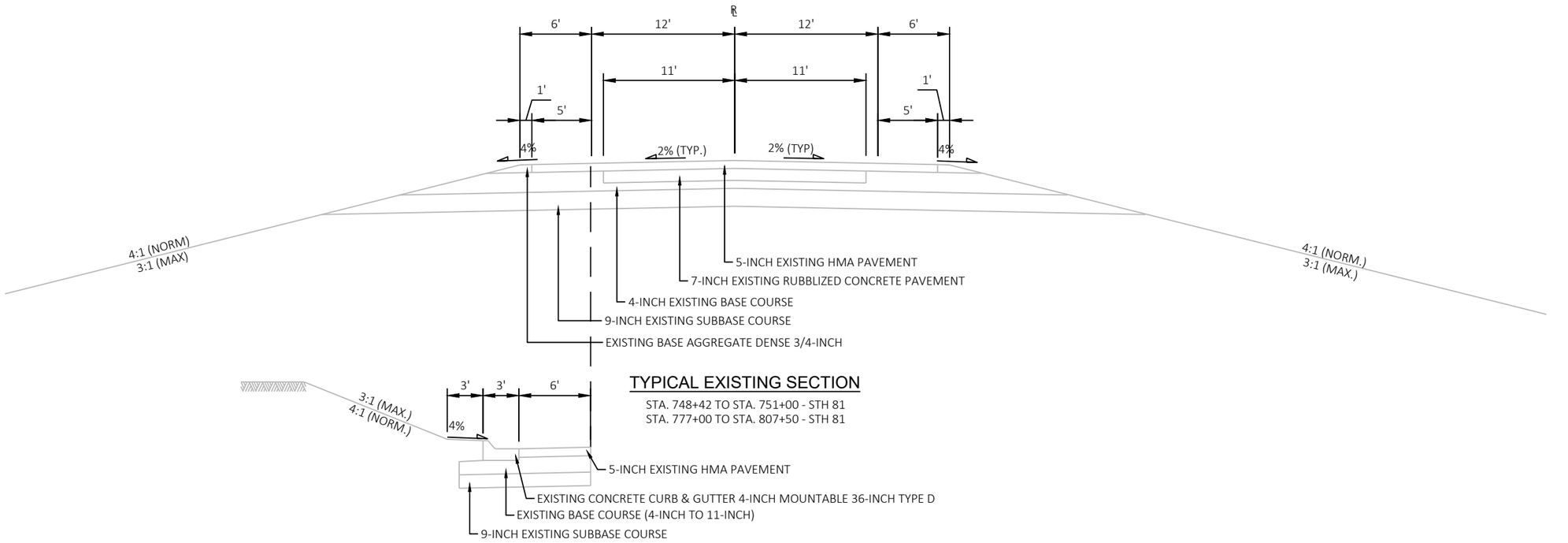
STA. 423+25 TO STA. 431+25 - STH 81



TYPICAL EXISTING SECTION

STA. 633+00 TO STA. 644+00 - STH 81

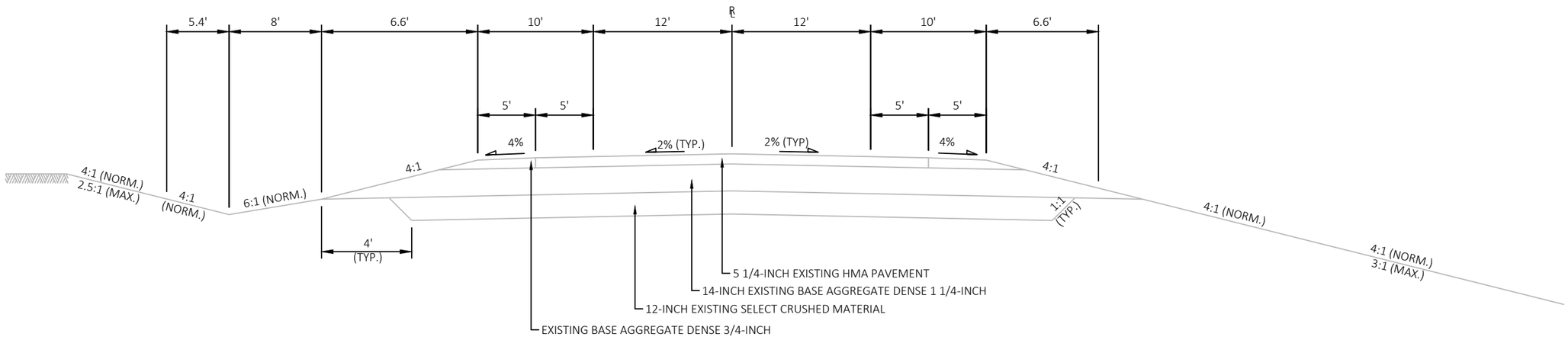
PROJECT NO: 5225-05-70	HWY:	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E



TYPICAL EXISTING SECTION

STA. 748+42 TO STA. 751+00 - STH 81
STA. 777+00 TO STA. 807+50 - STH 81

STA. 780+00 TO STA. 790+00 - STH 81

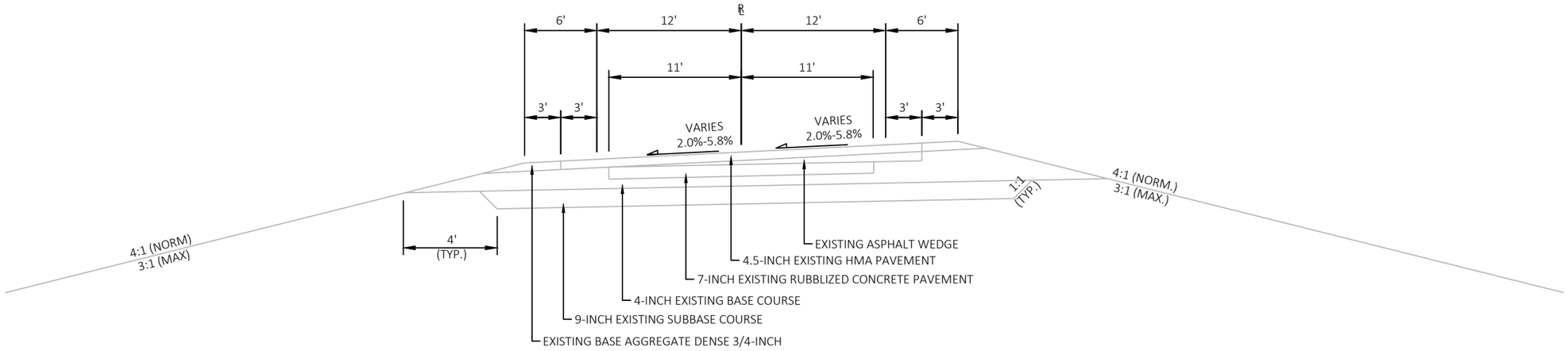


TYPICAL EXISTING SECTION

STA. 751+00 TO STA. 777+00 - STH 81

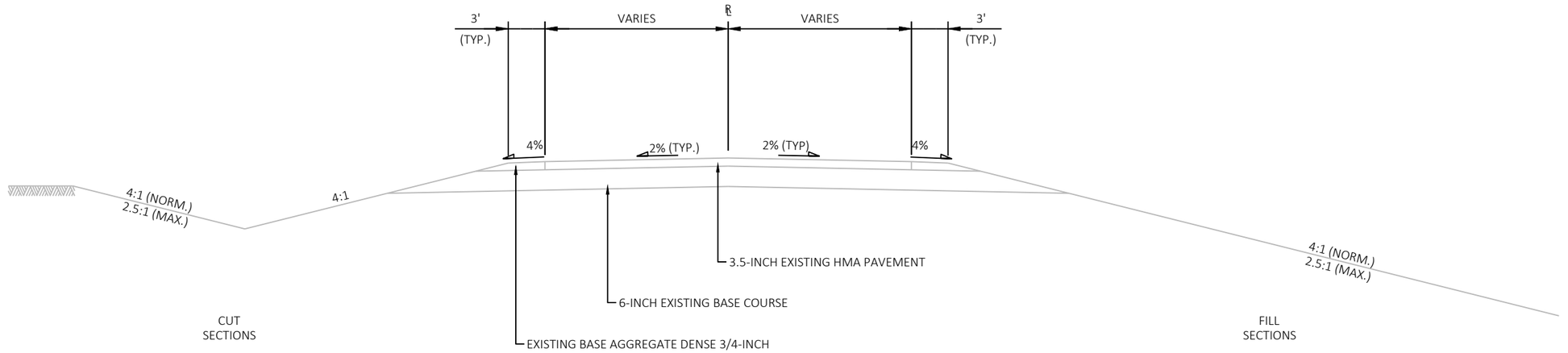
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E

2



TYPICAL EXISTING SUPERELEVATED SECTION

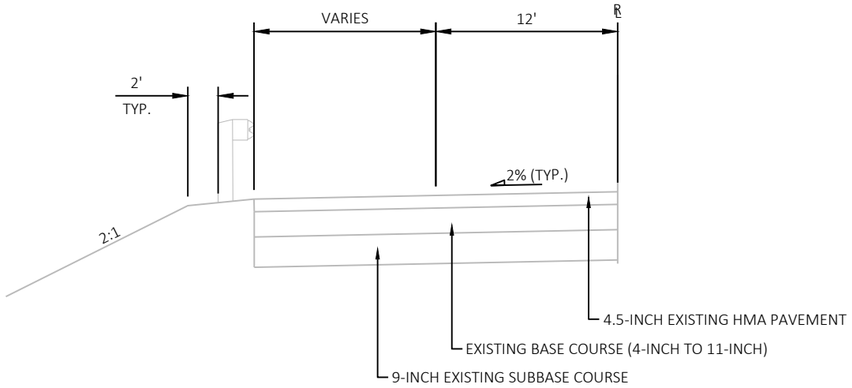
STH 81



TYPICAL SIDEROAD EXISTING SECTION

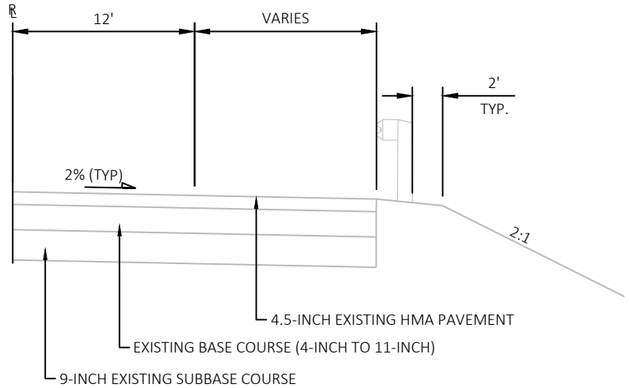
KINGSFORD ROAD
AUPPERLE LANE
BAST LANE
BLUFF ROAD
VALLEY VIEW DRIVE
ELLENBORO ROAD
WILLOW BRANCH ROAD
PLATTE ROAD
JENTZ-BAKER DRIVE
BUNKER RIDGE ROAD
WHIG ROAD
BANNER ROAD
OLD LANCASTER ROAD
CTH D
RIVER VALLEY LANE
QUARRY ROAD

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E



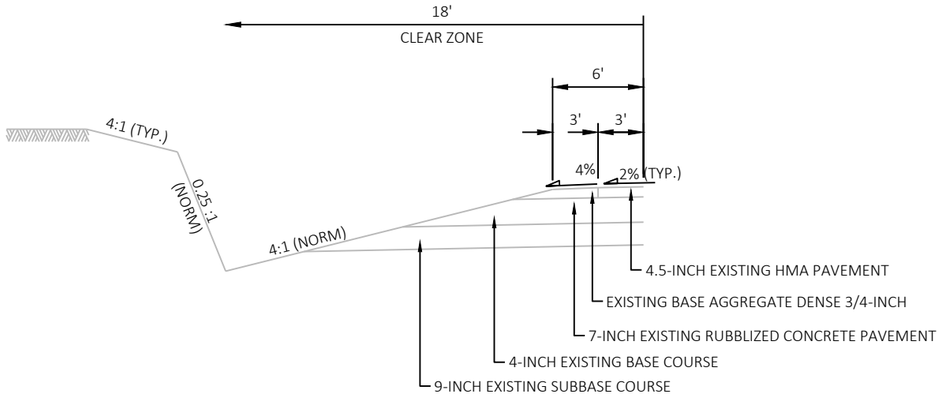
TYPICAL EXISTING GUARDRAIL HALF SECTION

STA. 308+53 TO STA. 311+08, LT
STA. 321+85 TO STA. 325+68, LT
STA. 331+85 TO STA. 336+64, LT
STA. 381+55 TO STA. 391+42, LT
STA. 410+00 TO STA. 417+00, LT
STA. 419+90 TO STA. 423+02, LT
STA. 529+66 TO STA. 532+95, LT
STA. 536+68 TO STA. 538+64, LT
STA. 543+80 TO STA. 546+84, LT
STA. 563+55 TO STA. 568+33, LT
STA. 653+27 TO STA. 657+83, LT
STA. 680+50 TO STA. 686+30, LT
STA. 764+50 TO STA. 766+25, LT



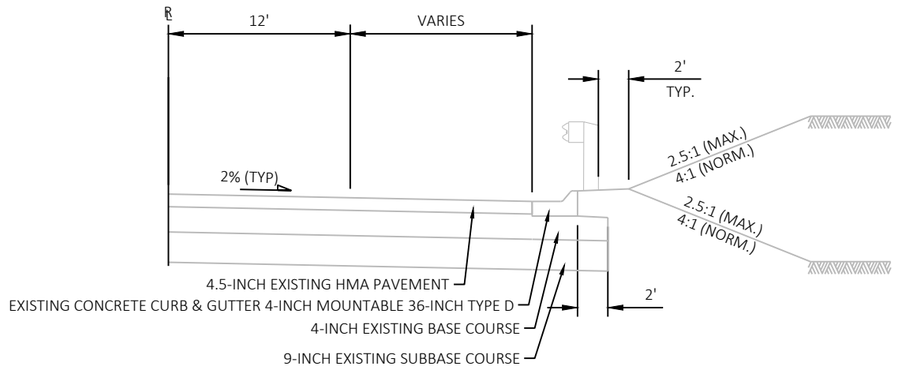
TYPICAL EXISTING GUARDRAIL HALF SECTION

STA. 205+88 TO STA. 210+15, RT
STA. 240+18 TO STA. 244+35, RT
STA. 299+22 TO STA. 310+71, RT
STA. 321+18 TO STA. 324+71, RT
STA. 332+14 TO STA. 336+18, RT
STA. 393+46 TO STA. 399+50, RT
STA. 411+33 TO STA. 417+10, RT
STA. 419+90 TO STA. 421+78, RT
STA. 484+77 TO STA. 488+65, RT
STA. 518+40 TO STA. 521+93, RT
STA. 529+85 TO STA. 532+88, RT
STA. 536+30 TO STA. 538+72, RT
STA. 543+20 TO STA. 546+20, RT
STA. 560+29 TO STA. 566+05, RT
STA. 652+24 TO STA. 658+00, RT
STA. 680+25 TO STA. 686+30, RT
STA. 765+45 TO STA. 766+25, RT



TYPICAL EXISTING ROCK CUT HALF SECTION

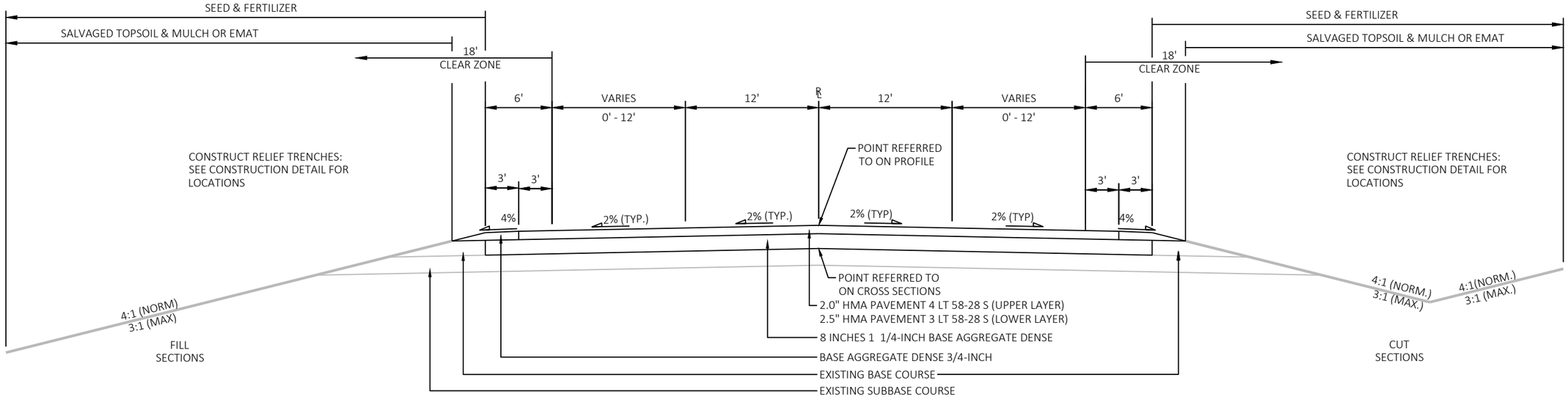
STA. 294+00 - 298+00, LT/RT
STA. 312+00 - 321+00, LT/RT
STA. 325+00 - 330+50, LT/RT
STA. 443+00 - 457+00, LT
STA. 461+00 - 468+00, LT
STA. 547+00 - 553+00, LT/RT
STA. 555+00 - 560+00, LT/RT
STA. 569+00 - 572+00, RT
STA. 574+00 - 577+00, LT/RT
STA. 774+00 - 777+00, LT/RT



TYPICAL EXISTING GUARDRAIL HALF SECTION

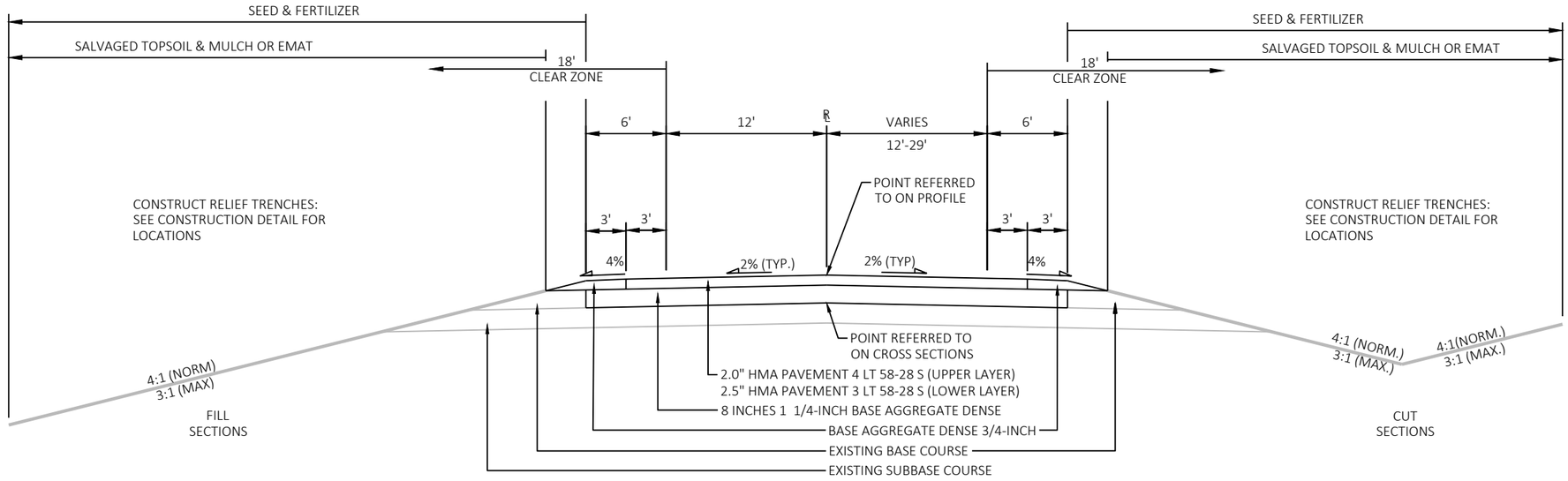
STA. 406+30 TO STA. 411+33, RT
STA. 439+00 TO STA. 459+65, RT

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

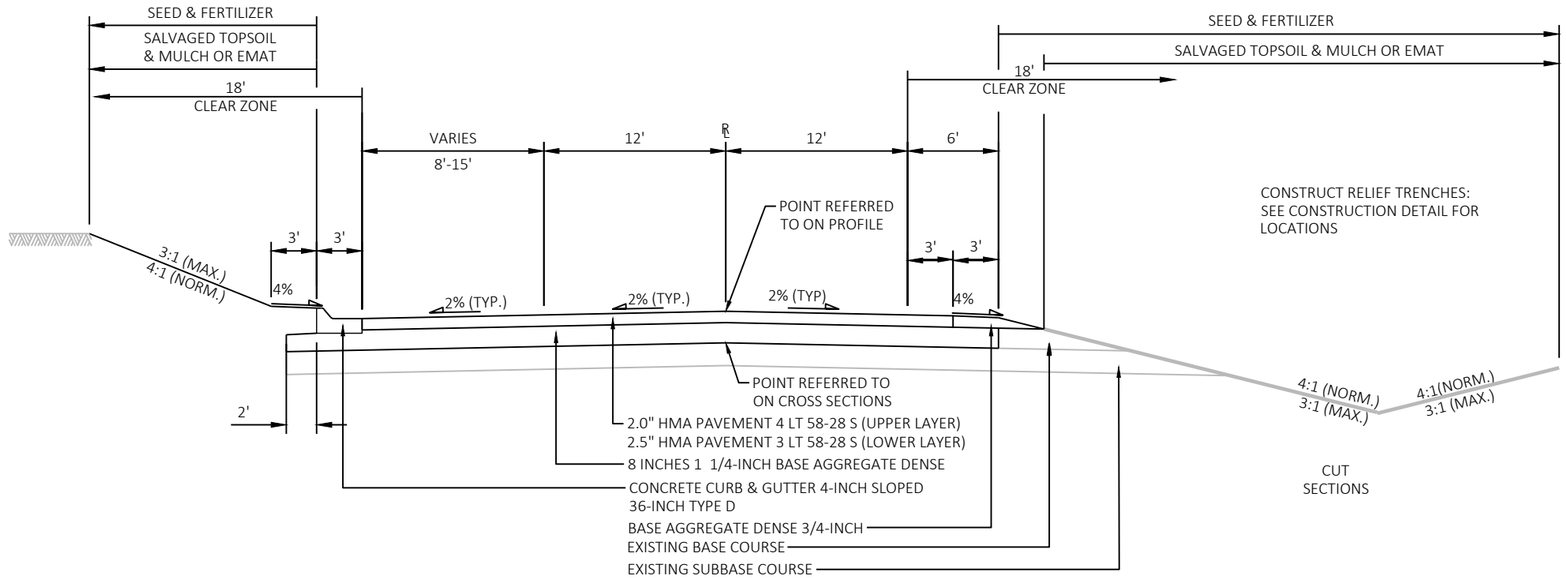
STA. 198+50 TO STA. 201+00 - STH 81



TYPICAL FINISHED SECTION

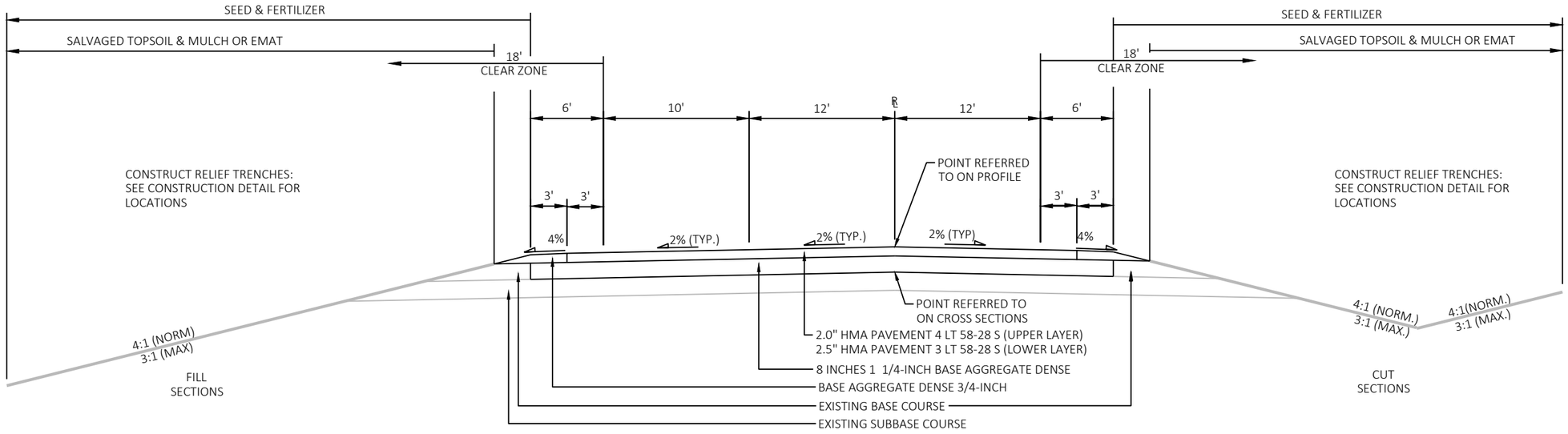
STA. 201+00 TO STA. 338+00 - STH 81
STA. 431+25 TO STA. 435+50 - STH 81
STA. 484+50 TO STA. 635+75 - STH 81
STA. 643+25 TO STA. 745+75 - STH 81

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

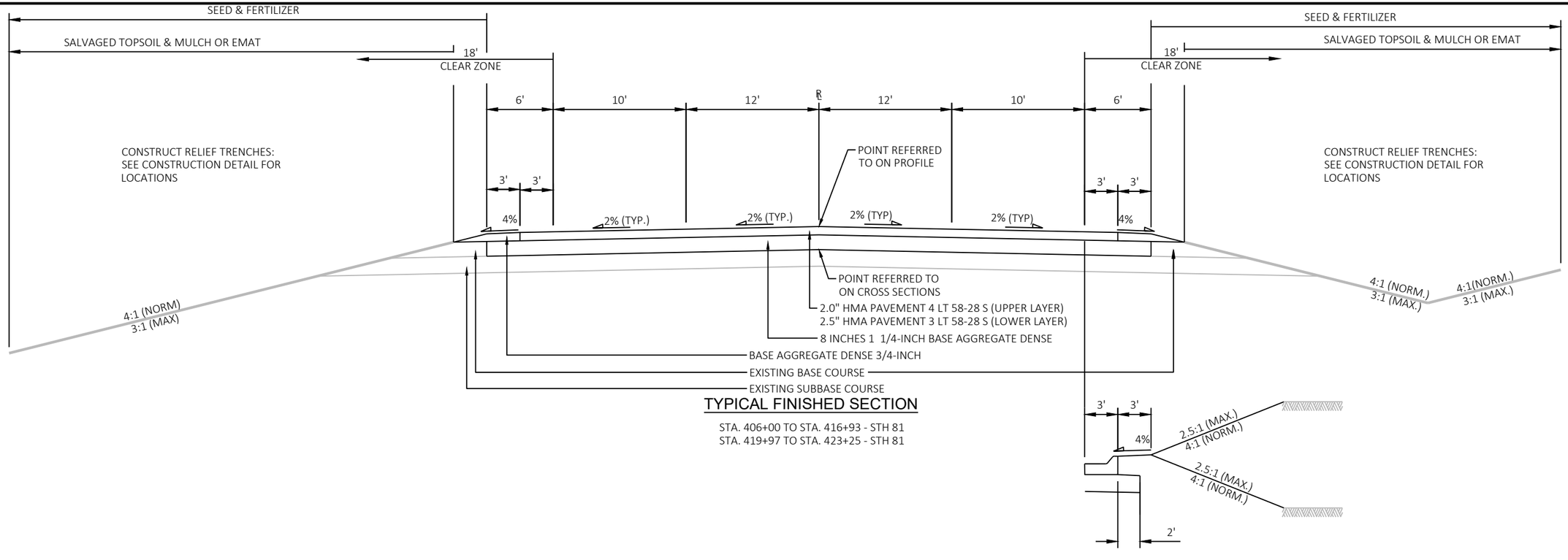
STA. 338+00 TO STA. 345+00 - STH 81



TYPICAL FINISHED SECTION

STA. 345+00 TO STA. 406+00 - STH 81

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E

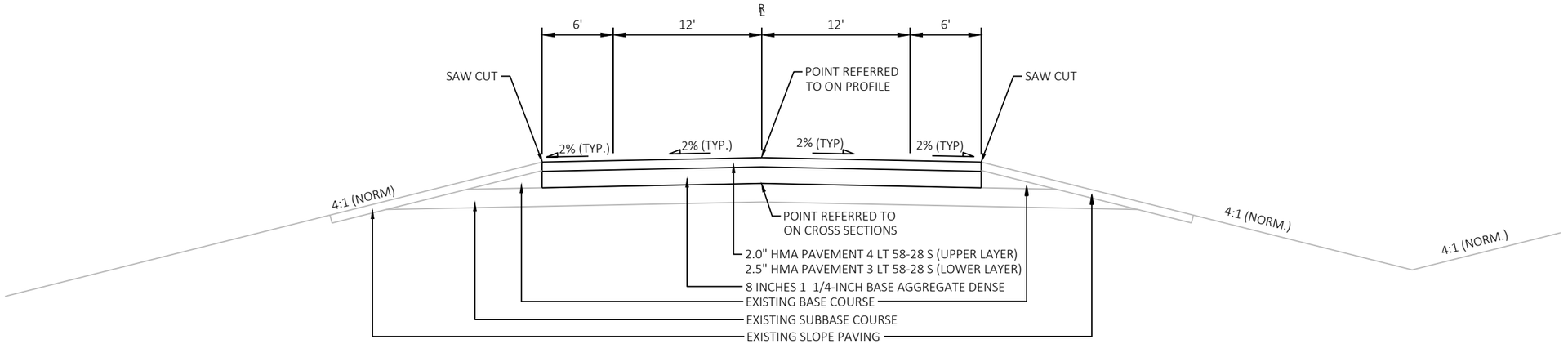


TYPICAL FINISHED SECTION

STA. 406+00 TO STA. 416+93 - STH 81
STA. 419+97 TO STA. 423+25 - STH 81

TYPICAL CURB FINISHED SECTION

STA. 406+45 TO STA. 411+35

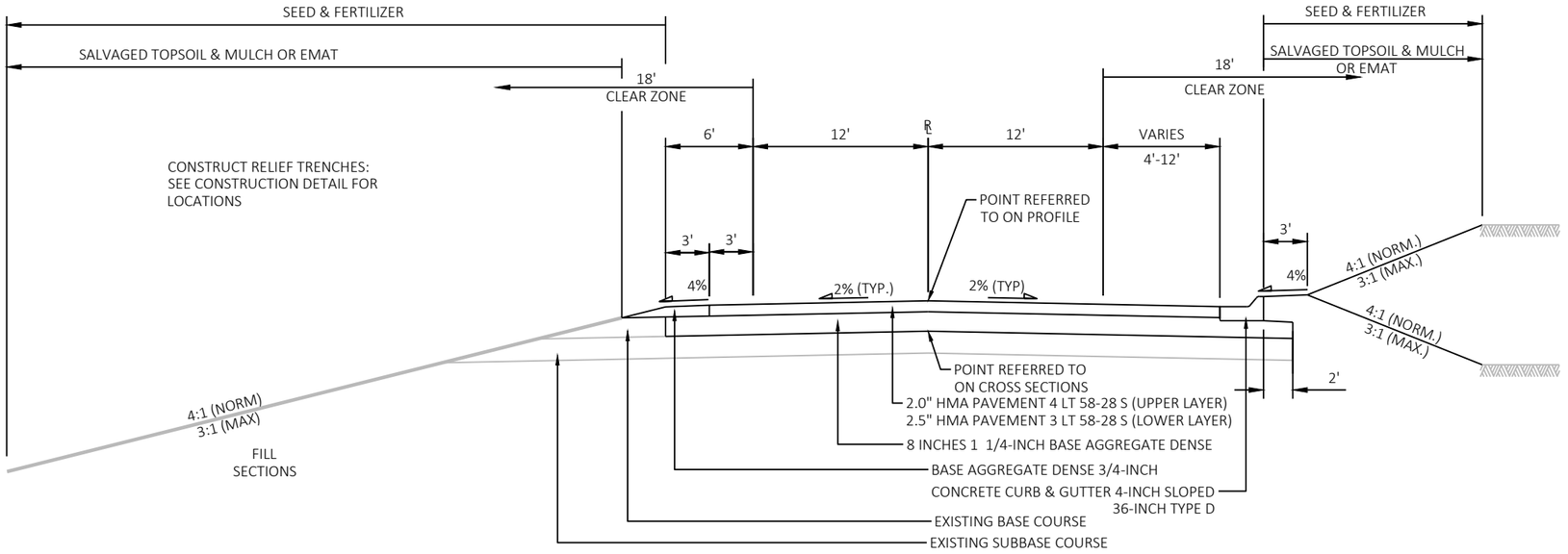


TYPICAL FINISHED SECTION

STA. 423+25 TO STA. 431+25 - STH 81

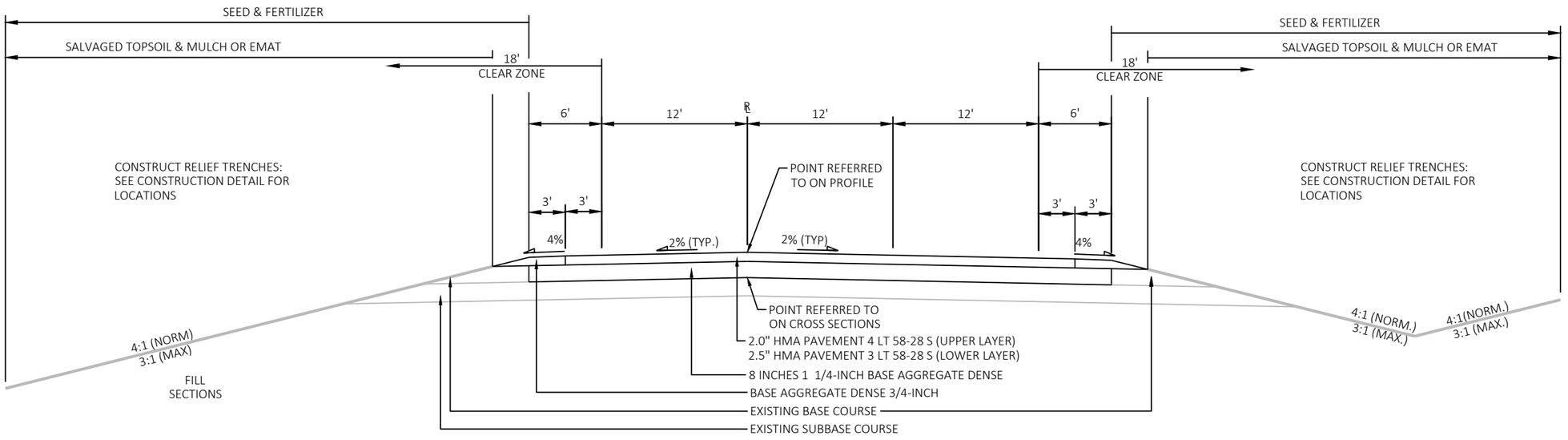
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION

STA. 435+50 TO STA. 459+65 - STH 81
STA. 745+75 TO STA. 752+00 - STH 81
STA. 756+50 TO STA. 759+75 - STH 81

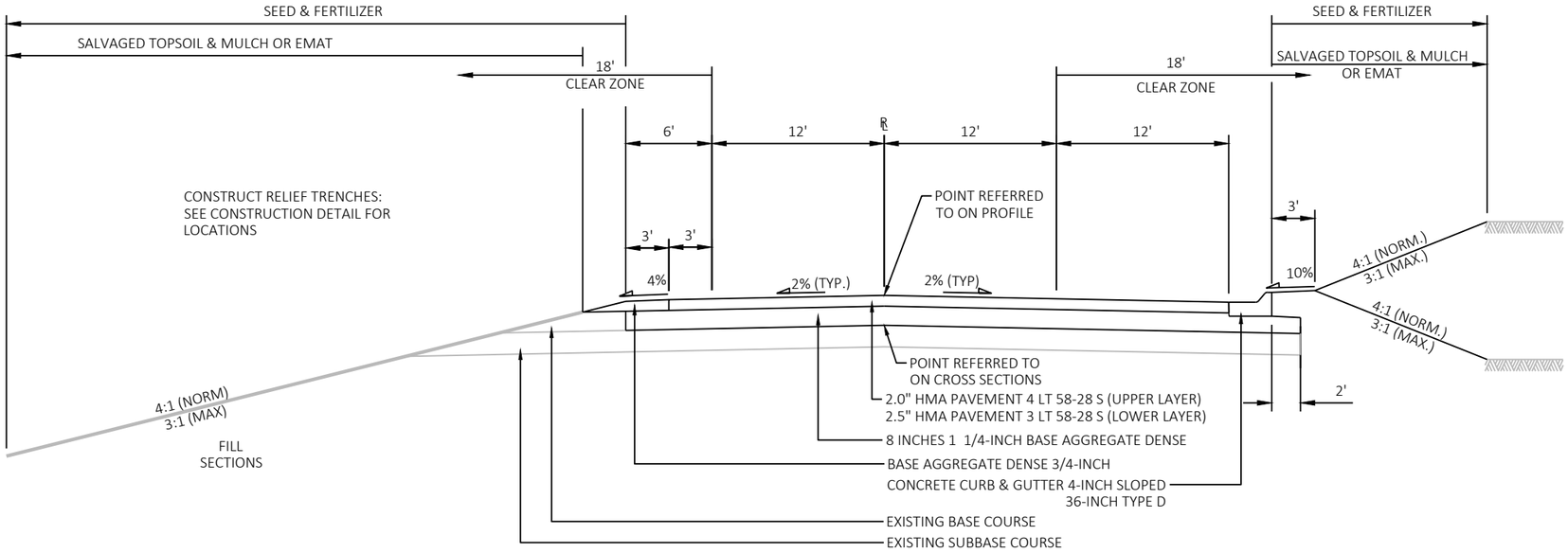


TYPICAL FINISHED SECTION

STA. 459+65 TO STA. 479+00 - STH 81

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E

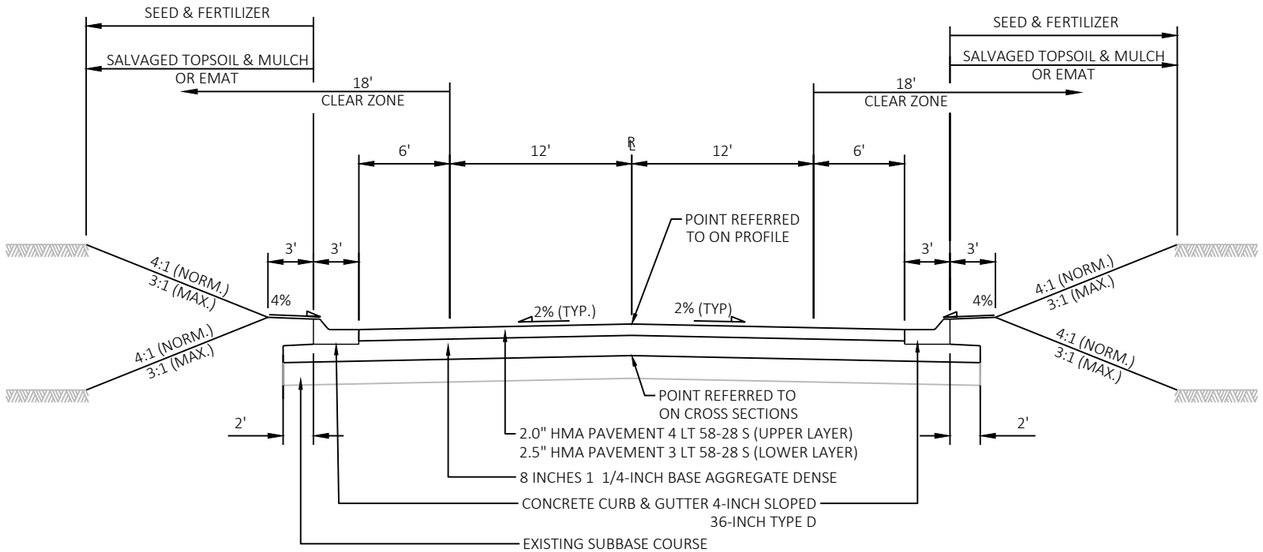
2



TYPICAL FINISHED SECTION

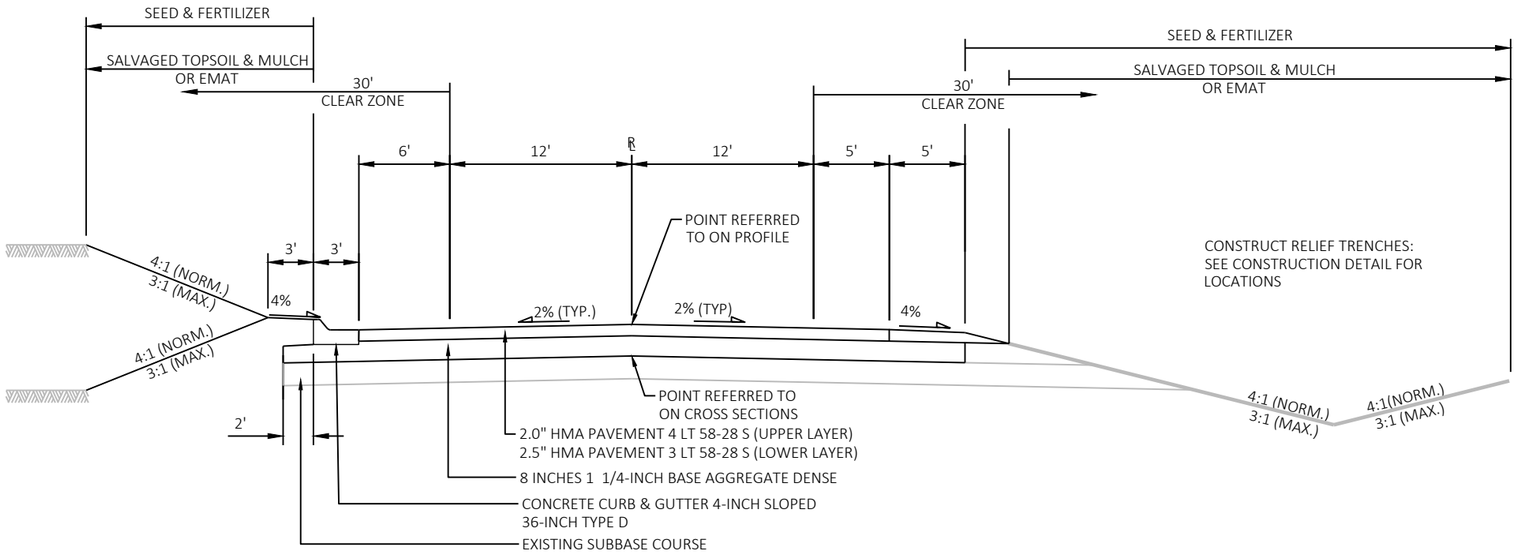
STA. 479+00 TO STA. 484+50 - STH 81

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

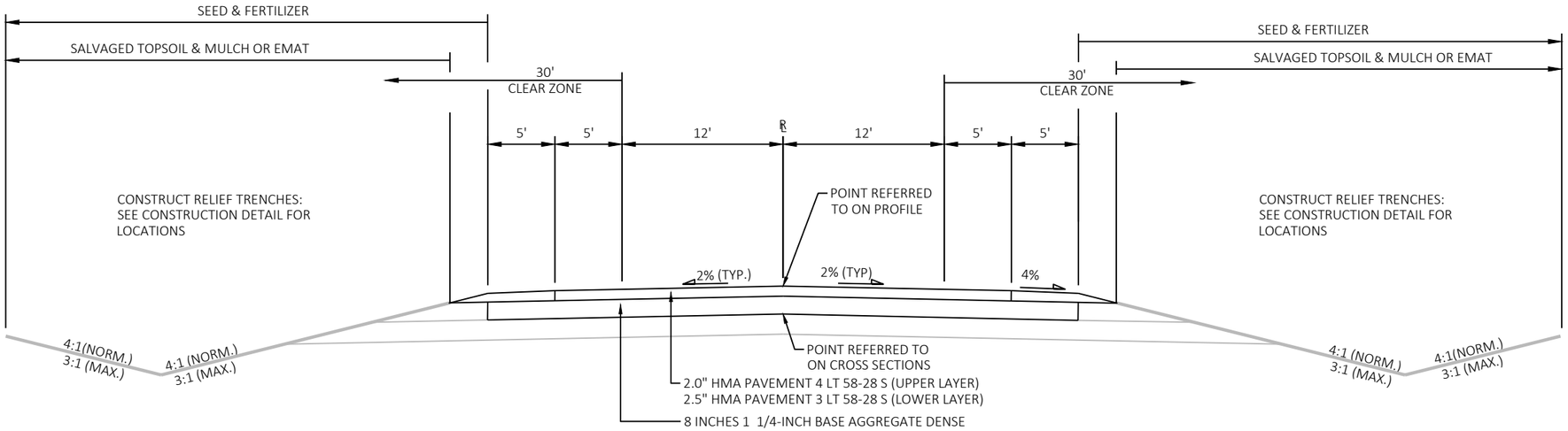
STA. 635+75 TO STA. 643+25 - STH 81



TYPICAL FINISHED SECTION

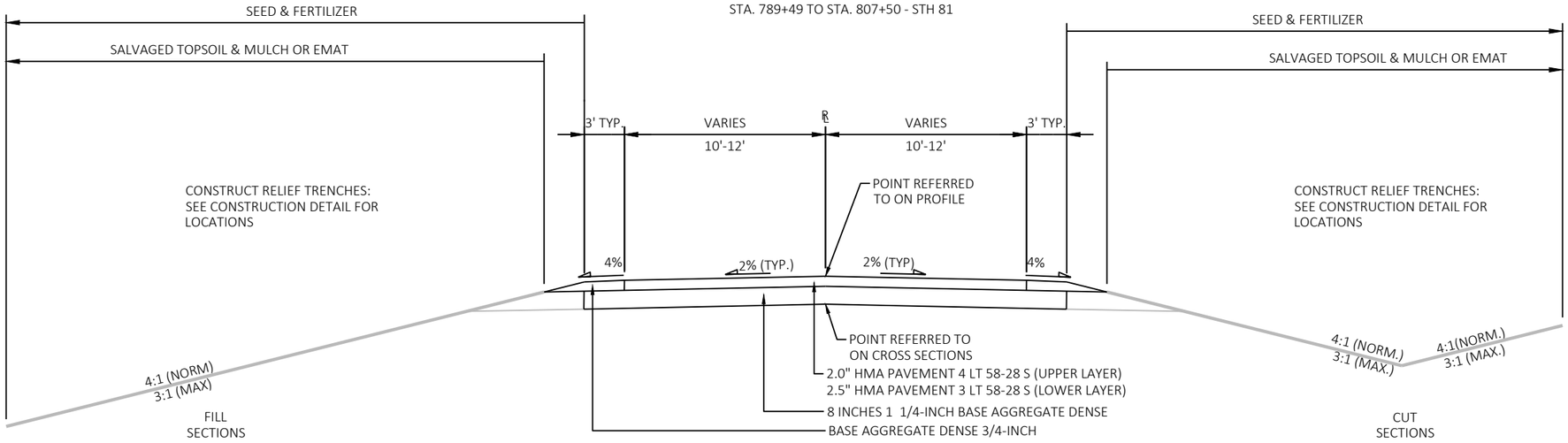
STA. 778+27 TO STA. 789+49 - STH 81

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

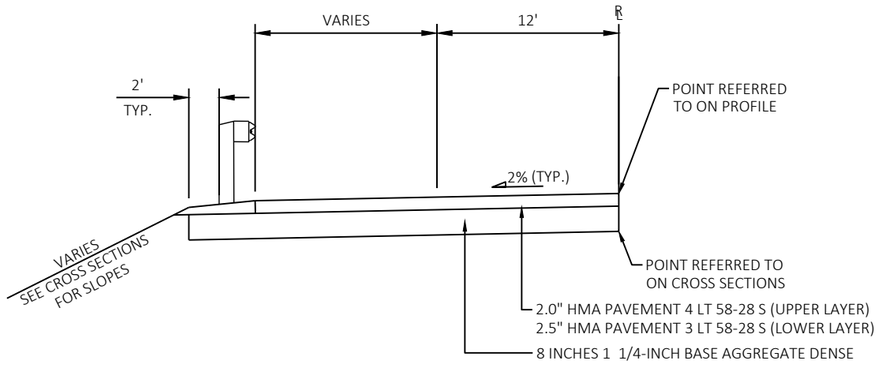
STA. 752+00 TO STA. 756+50 - STH 81
STA. 759+75 TO STA. 767+77 - STH 81
STA. 769+24 TO STA. 778+27 - STH 81
STA. 789+49 TO STA. 807+50 - STH 81



TYPICAL FINISHED SECTION - SIDEROADS

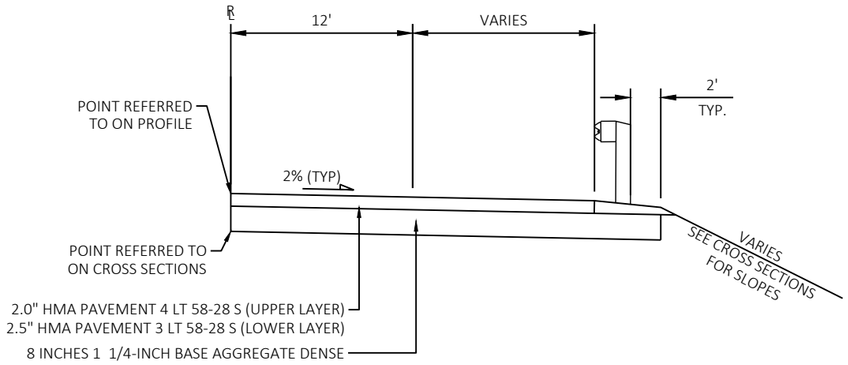
KINGSFORD ROAD
AUPPERLE LANE
BAST LANE
BLUFF ROAD
VALLEY VIEW DRIVE
ELLENBORO ROAD
WILLOW BRANCH ROAD
PLATTE ROAD
JENTZ-BAKER DRIVE
BUNKER RIDGE ROAD
WHIG ROAD
BANNER ROAD
OLD LANCASTER ROAD
CTH D
RIVER VALLEY LANE
QUARRY ROAD

2



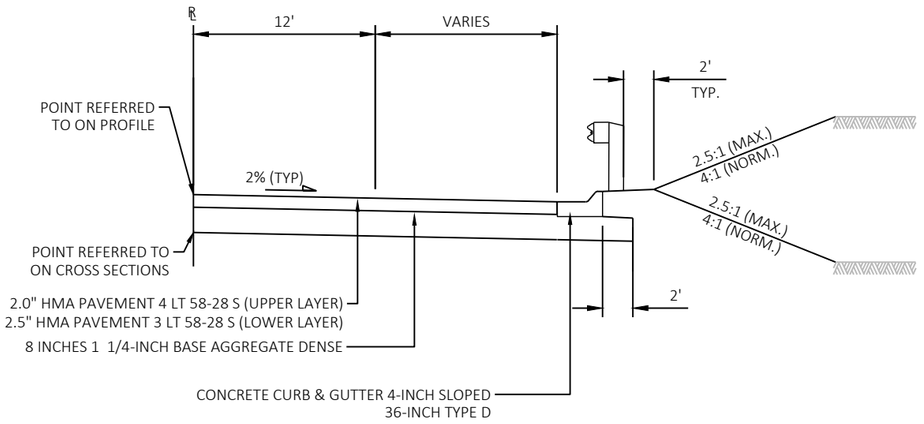
TYPICAL FINISHED GUARDRAIL HALF SECTION

STA. 308+48 TO STA. 312+29, LT
STA. 312+83 TO STA. 326+30, LT
STA. 331+72 TO STA. 337+28, LT
STA. 381+49 TO STA. 394+76, LT
STA. 410+07 TO STA. 416+98, LT
STA. 419+91 TO STA. 422+62, LT
STA. 433+93 TO STA. 437+77, LT
STA. 529+60 TO STA. 533+29' LT
STA. 536+60 TO STA. 539+29' LT
STA. 543+73 TO STA. 547+29' LT
STA. 563+52 TO STA. 568+33' LT
STA. 653+23 TO STA. 657+82' LT
STA. 680+48 TO STA. 686+28' LT
STA. 733+37 TO STA. 737+05, LT
STA. 764+43 TO STA. 767+61' LT
STA. 769+39 TO STA. 772+32' LT



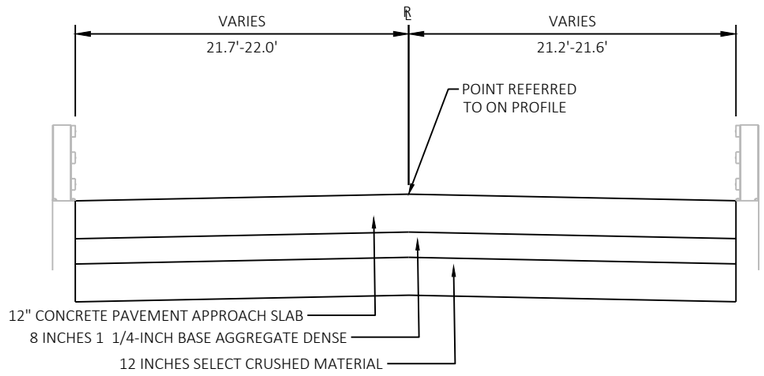
TYPICAL FINISHED GUARDRAIL HALF SECTION

STA. 204+71 TO STA. 210+20, RT
STA. 238+70 TO STA. 244+42, RT
STA. 299+20 TO STA. 310+76, RT
STA. 321+18 TO STA. 324+72, RT
STA. 331+71 TO STA. 336+27, RT
STA. 392+71 TO STA. 399+52, RT
STA. 411+35 TO STA. 416+98, RT
STA. 419+91 TO STA. 421+37, RT
STA. 433+55 TO STA. 436+47, RT
STA. 484+72 TO STA. 489+76, RT
STA. 518+41 TO STA. 521+97, RT
STA. 529+71 TO STA. 533+02, RT
STA. 535+70 TO STA. 538+77, RT
STA. 542+71 TO STA. 546+27, RT
STA. 559+71 TO STA. 566+15, RT
STA. 652+22 TO STA. 658+00, RT
STA. 680+21 TO STA. 686+28, RT
STA. 733+72 TO STA. 737+41, RT
STA. 765+94 TO STA. 767+60, RT
STA. 769+41 TO STA. 771+71, RT



TYPICAL FINISHED GUARDRAIL HALF SECTION

STA. 406+31 TO STA. 411+35, RT
STA. 438+83 TO STA. 459+69, RT



CONCRETE PAVEMENT APPROACH SLAB

STA. 767+62 TO STA. 767+77
STA. 769+23 TO STA. 769+38

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E

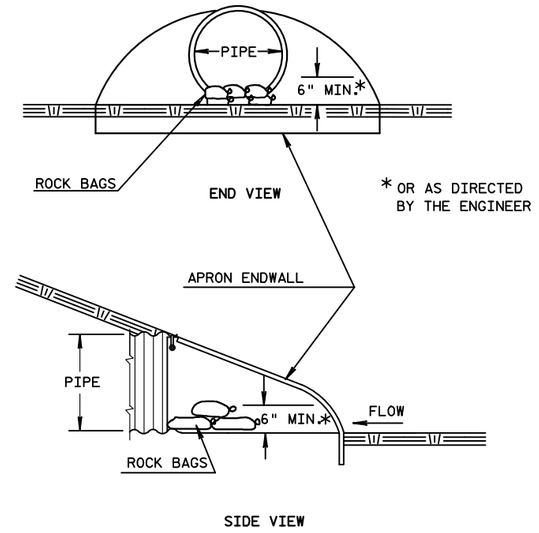
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\020301_TS.DWG
LAYOUT NAME - 17
PLOT DATE : 10/31/2019 8:38 AM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 42

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 66.2 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 66.2 ACRES

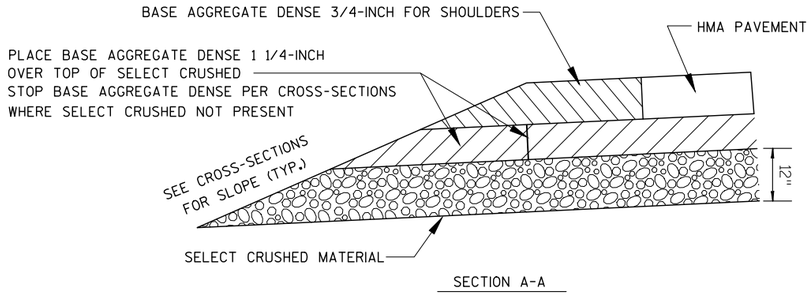
ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NO. OF BAGS
12"	1
18"	2
24"	3
30"	5
36"	7
42"	8
48"	10
60"	14



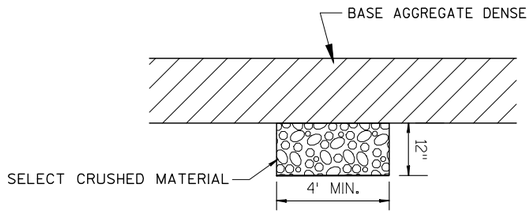
CULVERT PIPE CHECK

2

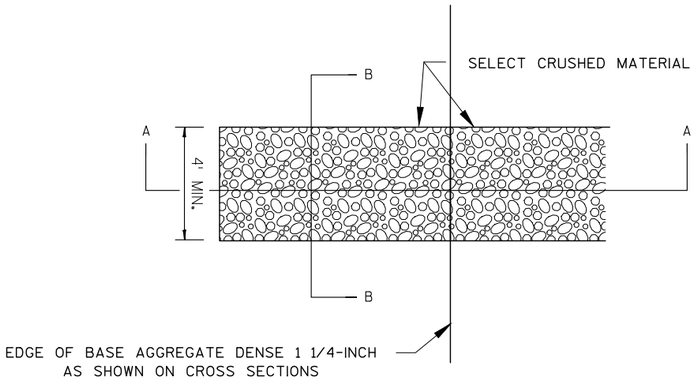
2



SECTION A-A



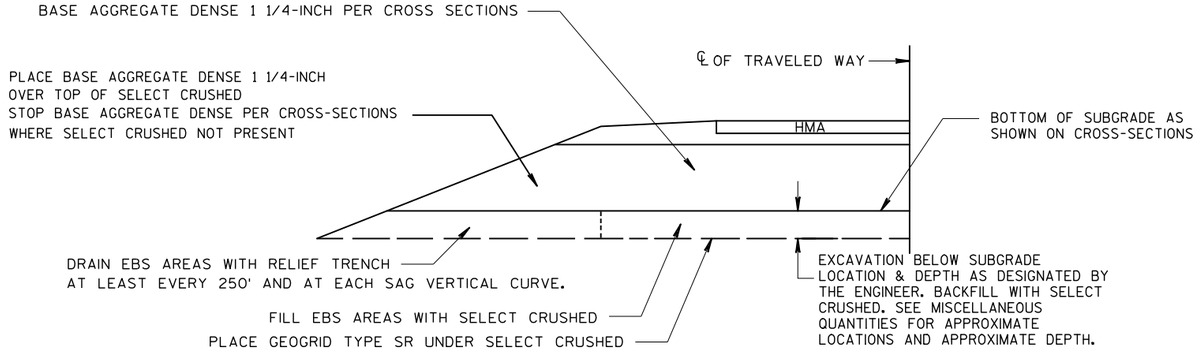
SECTION B-B



RELIEF TRENCH DETAIL

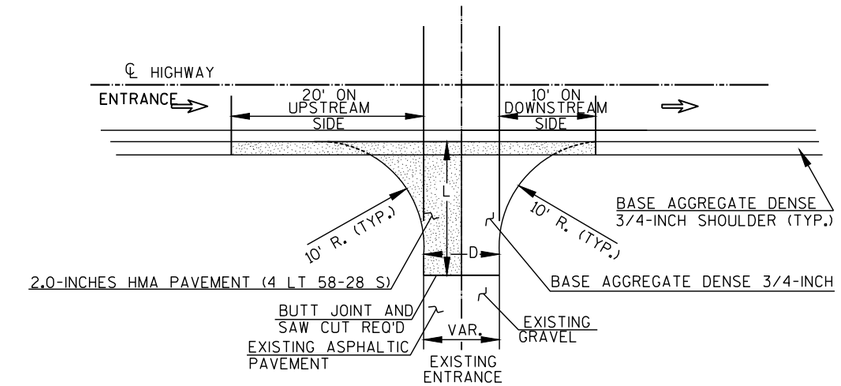
CONSTRUCT RELIEF TRENCHES AT LEAST EVERY 250' AND AT EACH SAG VERTICAL CURVE IN THE PROFILE.

(LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER)



DETAIL FOR EXCAVATION BELOW SUBGRADE (EBS)

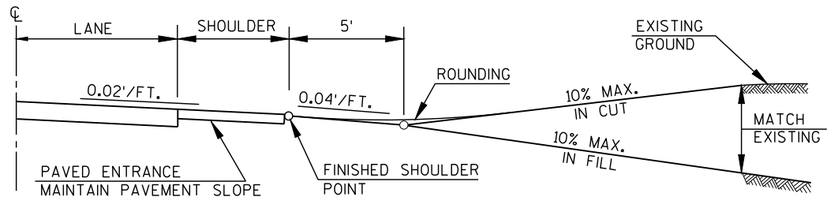
(SEE MISCELLANEOUS QUANTITIES FOR APPROXIMATE LOCATIONS. SPECIFIC LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER)



L=SEE CROSS SECTIONS

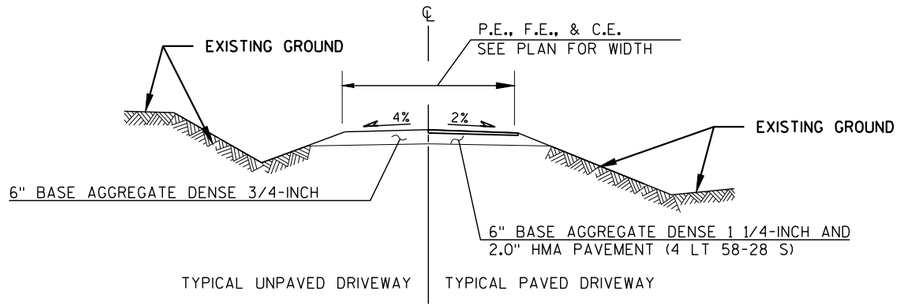
D=DRIVEWAY WIDTH (SEE PLAN FOR STATION/OFFSETS)

PLAN VIEW



PROFILE VIEW

RURAL DRIVEWAY INTERSECTION DETAIL
(PE's, FE's & CE'S)
(FOR NEW CONSTRUCTION)



TYPICAL CROSS SECTION

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CONSTRUCTION DETAILS	SHEET	E

2

2

565'STH 81'

EXISTING STRUCTURE C-22-39

ENCROACHING CATTLE FENCE

EXISTING RIGHT OF WAY LINE

A

A

16'

12'

27'

ENCROACHING CATTLE FENCE

INSTALL HEAVY RIPRAP 2' DEEP OVER GEOTEXTILE TYPE HR

MIN 12"

2'

RIPRAP HEAVY

GEOTEXTILE FABRIC, TYPE "HR" REQ'D.

SECTION A-A

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CONSTRUCTION DETAILS: C-22-39	SHEET	E

2

2

RIPRAP

RIPRAP

735'STH 81'

EXISTING STRUCTURE C-22-1421

ENCROACHING CATTLE FENCE

20'

30'

35'

A

A

INSTALL HEAVY RIPRAP 2' DEEP OVER GEOTEXTILE TYPE HR

MIN 12"

2'

RIPRAP HEAVY

GEOTEXTILE FABRIC, TYPE "HR" REQ'D.

SECTION A-A

EXISTING RIGHT OF WAY LINE

EXISTING RIGHT OF WAY LINE

RIPRAP

RIPRAP

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CONSTRUCTION DETAILS: C-22-1421	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021002_CD.DWG
LAYOUT NAME - 02

PLOT DATE : 10/30/2019 11:43 AM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

WISDOT/CADDS SHEET 42

NOTE: SOIL BORING SUMMARY STATION EQUATION -
STA. 372+67 ON SOIL BORING SUMMARY = STA. 186+50 ON PLANS

Soil Boring Summary

			2018 Borings						
			2002 Borings						
Log Mile	Station	Offset	2002 Boring #	2018 Boring #	Bit. Depth (IN)	Concrete Depth (IN)	Base Depth (IN)	Subgrade	Comments
11.5	987+93								E Old Lancaster Road
11.36	980+54	4' RT		B-50	6.75	5.5	3.5	Sand	
	975+00	4' LT	B-1		4	7	7	Clay	
11.08	965+75	12' RT		B-49	5.25		7	Sand	
	958+00	6' RT	B-2		4.5	8	18	Base	
10.83	952+55	6' RT		B-48	16			Sand	
	946+00	11' LT	B-3		5.5		9	Silty Sand	
10.59	939+88								CTH D
10.54	937+24	11.5' LT		B-47	7.25	7	8.5	Silt	
	931+50	11' RT	B-4		5		12	Silt	
10.33	926+15	9' LT		B-46	11		9	Sand	
10.13	915+59	3.5' RT		B-45	5	7.25	6	Sand	
	912+00	6' LT	B-5		4.5	7	18	Silt	
9.93	905+03	12' RT		B-44	5.75		15.5	Silt	
	895+00	10' RT	B-6		4	7	4	Silt	
9.72	893+94	4' RT		B-43	6.5	6	6.5	Silt	
9.51	882+86	9' RT		B-42	6.75	7.5	7.5	Sand	
	877+90	6' LT	B-7		5	7	5	Sand	
9.31	872+30	6' RT		B-41	6.5	7	5.5	Sand	
9.16	864+38								W Old Lancaster Road
9.13	862+79	6' LT		B-40	6.5		15.5	Clay	
	858+00	13' RT	B-8		4		18	Silt	
8.93	852+23	14' LT		B-39	4			Sand	
	840+00	6' LT	B-9		4	7	0	Sand	
8.68	839+03	9' LT		B-38	4.25	6	7.5	Clay	
	826+00	6' RT	B-10		4.5	8	5	Silt	
8.41	824+78	3' LT		B-37	5.25	6	6	Sand	
8.17	812+10	8' RT		B-36	6	7	17	Sand	
8.04	805+24								Whig Road
	803+90	12' LT	B-11		4.5		2	Silt	
7.92	798+90	4' RT		B-35	6	6	8	Sand	
	785+90	6' RT	B-12		3.5	8	10	Silt	
7.67	785+70	14' RT		B-34	5.5		12.5	Silt	
7.47	775+14	6.5' RT		B-33	5.25	7.5	12	Sand	
7.42	772+50								Jentz Baker Drive
	765+00	6' LT	B-13		5.5	8	0	Weath Rock	
7.26	764+06	3.5' LT		B-32	5.5	7	5	Weathered Bedrock	
7.05	752+97	12' LT		B-31	4.75		10	Base w/ large agg. (3")	
	744+70	13' RT	B-14		4.5		15	Rock	
6.85	742+41	6' LT		B-30	5.25	7	6	Sand	

NOTE: SOIL BORING SUMMARY STATION EQUATION -
STA. 372+67 ON SOIL BORING SUMMARY = STA. 186+50 ON PLANS

Soil Boring Summary (Continued)

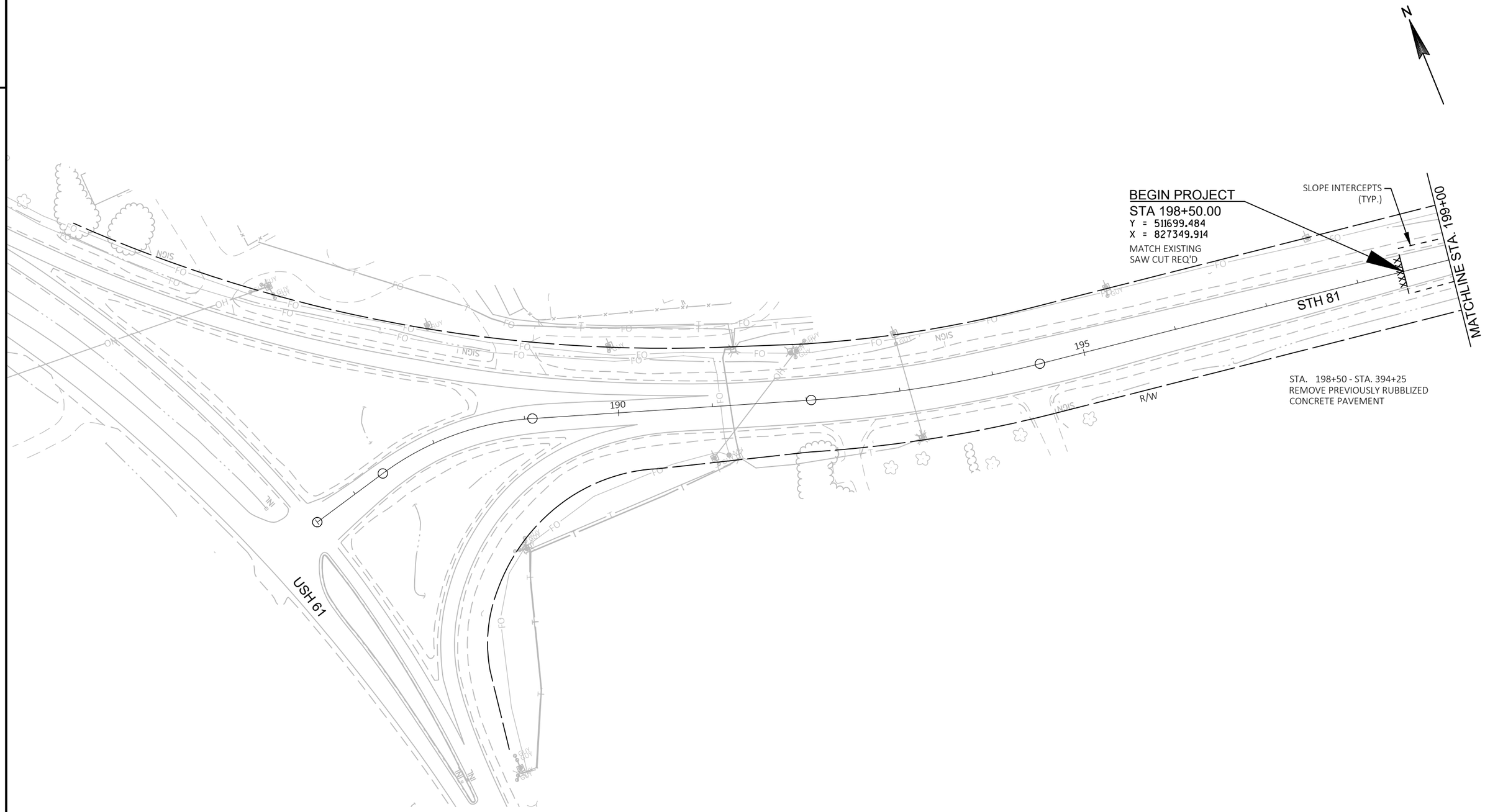
Log Mile	Station	Offset	2002 Boring #	2018 Boring #	Bit. Depth (IN)	Concrete Depth (IN)	Base Depth (IN)	Subgrade	Comments
6.66	732+38	6' RT		B-29	5.75	4		Sand	
	730+00	10' LT	B-15		3.5	8	8	Sand	
6.41	719+18	9' RT		B-28	5	7.5		Sand	
	711+90	6' RT	B-16		4	8	9	Silt	
6.25	710+73								Jentz Baker Drive
6.2	708+09	3.5' RT		B-27	4.75	6	5.5	Sand	
5.96	695+42	6' LT		B-26	10		8	Sand	
	693+90	6' LT	B-17		3.5	7.5	12	Silt	
5.72	682+74	14' LT		B-25	5		9.5	Silt	
	678+00	6' RT	B-18		4.5	7	15	Silt	
5.53	668+48								Platte Road
	667+00	6' LT	B-19		4.5	7	12	Silt	
5.43	663+20	3.5' LT		B-24	9		5	Sand	
	663+00	18' RT	B-20		4.5		27	Silt	
	655+90	13' LT	B-21		4.5		11	Sand	
5.17	649+47	5.5' RT		B-23	5	6	3	Sand	
	645+00	6' RT	B-22		4	8	10	Sand	
	639+00	6' LT	B-23		6	7	27	Rock	
4.95	637+86	19' RT		B-22	21.5			Sand	
	629+80	20' RT	B-24		4.5		10	Sand	
4.72	625+72								Ellenboro Road
4.71	625+19	6' LT		B-21	6	7	5.5	Sand	
4.49	613+58	6' RT		B-20	6	7	4	Sand	
	601+50	18' LT	B-25		5		7	Sand	
4.23	599+85	15' RT		B-19	5.75		12	Sand	
	595+70	10' RT	B-26		4.5	7.5	6	Sand	
	592+84	22' LT	B-27		5		8	Sand	
4.04	589+82								Ellenboro Road
4.02	588+76	12' LT		B-18	5.25		11.5	Sand	
	585+00	6' RT	B-28		5		11	Sand	
3.74	573+98	20' LT		B-17	26			Sand	
	567+65	18' LT	B-29		3.5		13	Sand	
3.5	561+30	8.5' RT		B-16	6.5	5.5	8	Sand	
	554+04	6' RT	B-30		3	7	6	Sand	
3.3	550+74	18' LT		B-15	18.5		5	Sand	
	540+00	18' LT	B-31		4		6	Sand	
3.06	538+07	7' LT		B-14	4.5		5.5	Sand	
2.85	526+98								Bast Lane
2.82	525+40	14' RT		B-13	16.25		6	Silt	
	525+00	6' RT	B-32		5	7	5	Sand	
2.54	510+62	3.5' RT		B-12	6	6	6	Sand	
	505+00	10' LT	B-33		3	6.5	7	Silt	

NOTE: SOIL BORING SUMMARY STATION EQUATION -
STA. 372+67 ON SOIL BORING SUMMARY = STA. 186+50 ON PLANS

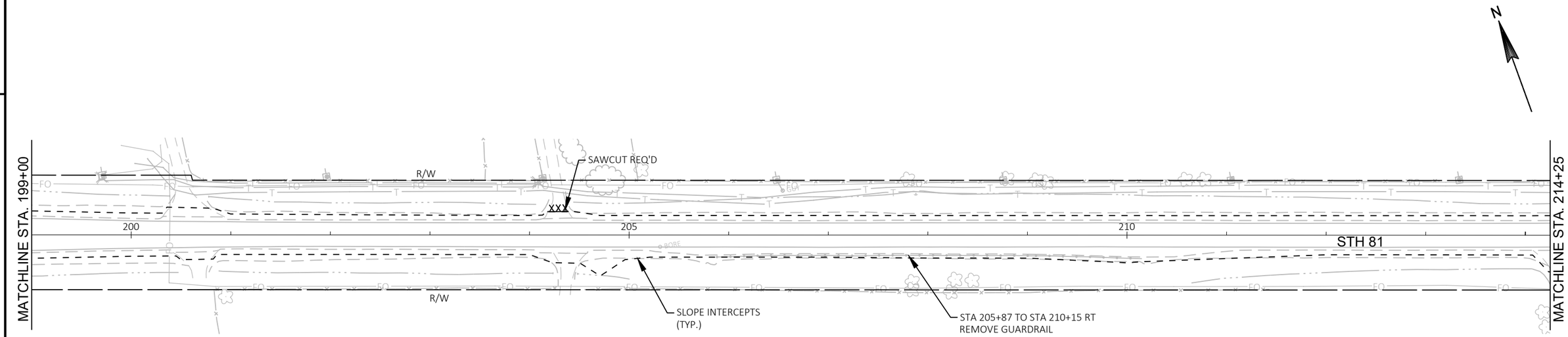
Soil Boring Summary (Continued)

Log Mile	Station	Offset	2002 Boring #	2018 Boring #	Bit. Depth (IN)	Concrete Depth (IN)	Base Depth (IN)	Subgrade	Comments
2.37	501+64	9' RT		B-11	5	6	4	Gravel-Weathered Bedrock	
2.1	487+38	6' LT		B-10	5.5	8	4	Gravel-Weathered Bedrock	
	485+00	6' RT	B-34		3.5	7.5	6	Sand	
1.9	476+82	6' RT		B-9	5	8	2	Sand	
1.65	463+62	14' RT		B-8	4.75		9.5	Sand	
	460+00	6' LT	B-35		5.5	7	0	Sand	
1.41	450+95	3' RT		B-7	5.75	6	2.5	Sand	
1.26	439+20								Kingsford Road
1.22	437+09	9' LT		B-6	5.5	5	7.5	Sand	
	436+00	6' RT	B-36		4	8	10	Silt	
1.01	426+00	4.5' LT		B-5	5	7	5	Sand	
0.82	415+97	7' LT		B-4	4.5	5.5	4	Sand	
	415+00	10' LT	B-37		4	6.5	8	Silt	
0.58	403+30	3' RT		B-3	5.25	6.5	5	Sand	
	400+00	10' RT	B-38		5	7	12	Silt	
0.37	392+21	12' RT		B-2	5.75		8.5	Sand	
0.18	382+18	5' RT		B-1	7.5		9.5	Sand	
0	372+67								USH 61/STH 81

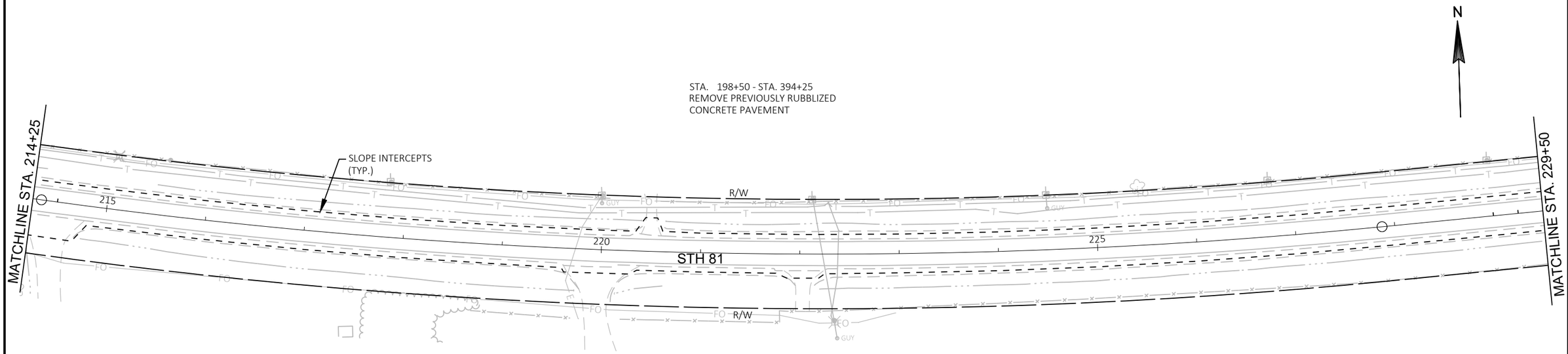
2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E



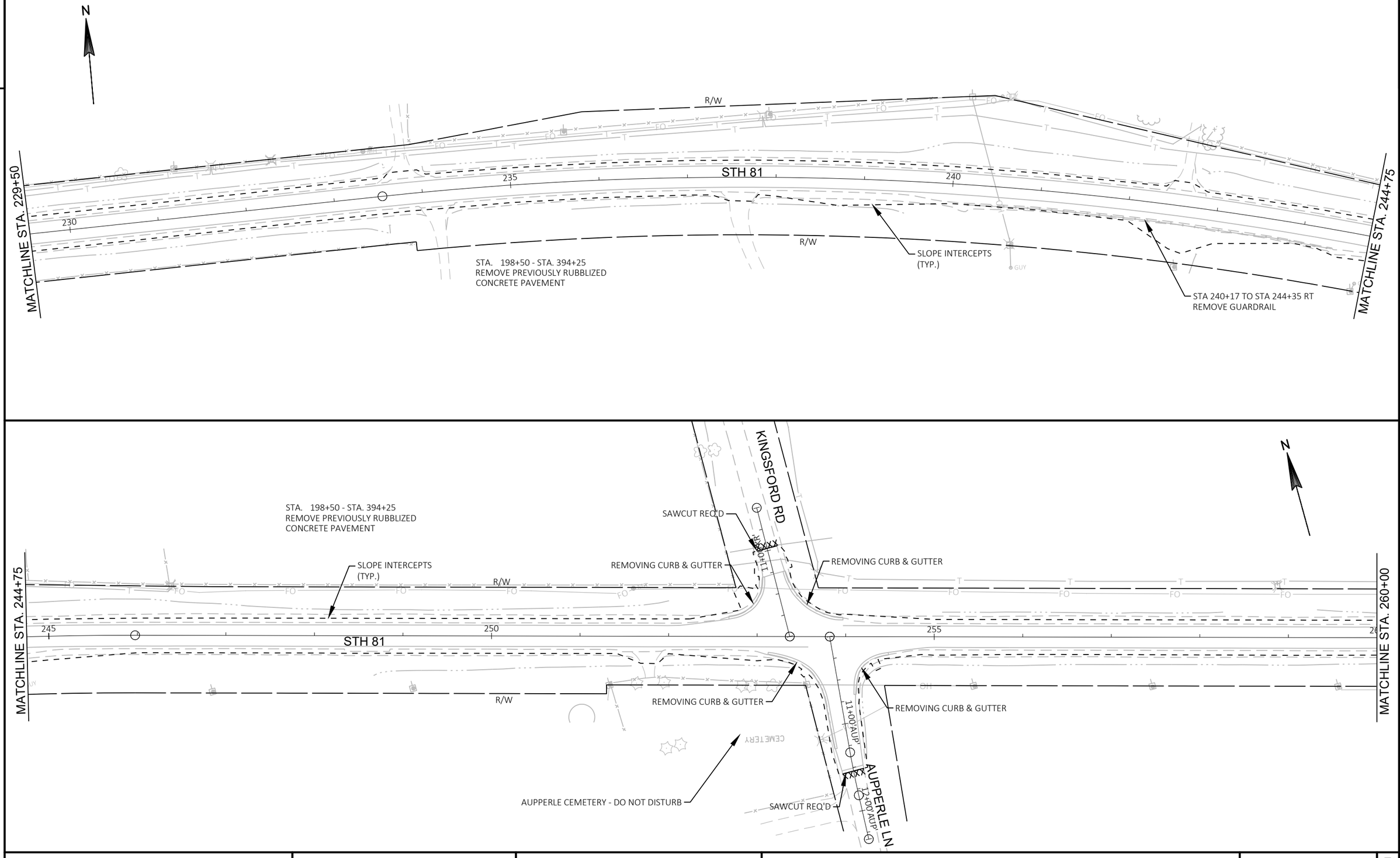
STA. 198+50 - STA. 394+25
REMOVE PREVIOUSLY RUBBLIZED
CONCRETE PAVEMENT



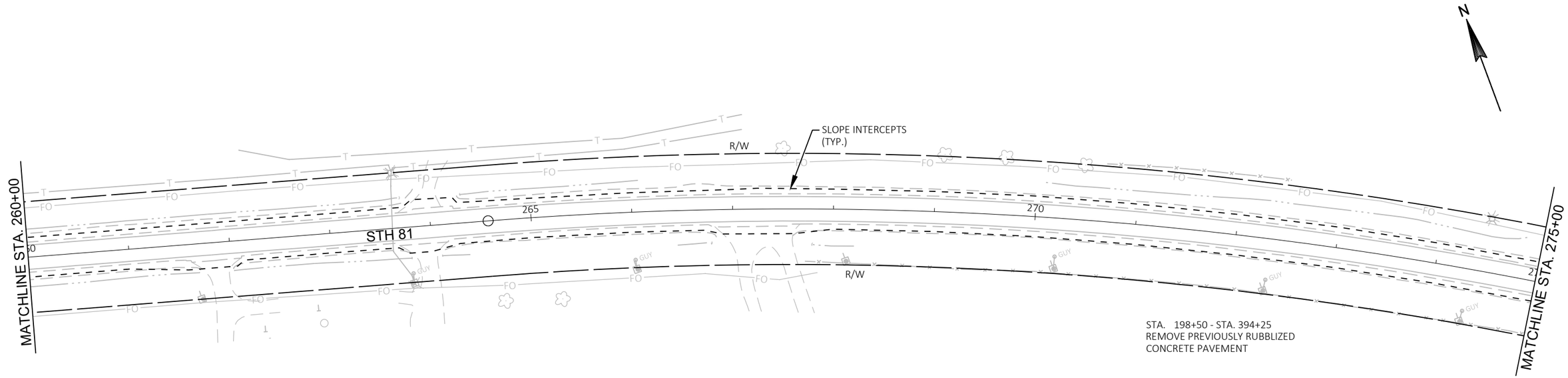
STA. 198+50 - STA. 394+25
REMOVE PREVIOUSLY RUBBLIZED
CONCRETE PAVEMENT

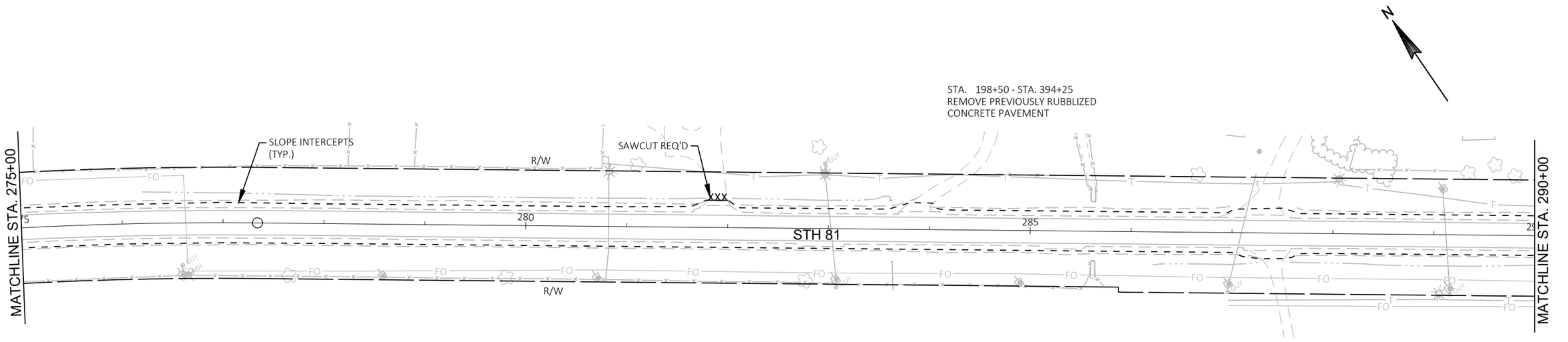
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

2

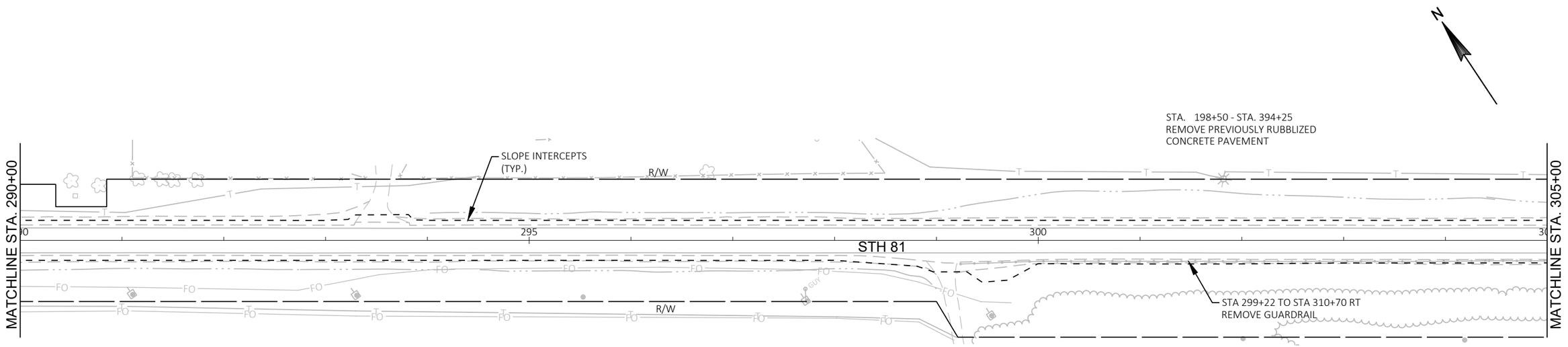


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E



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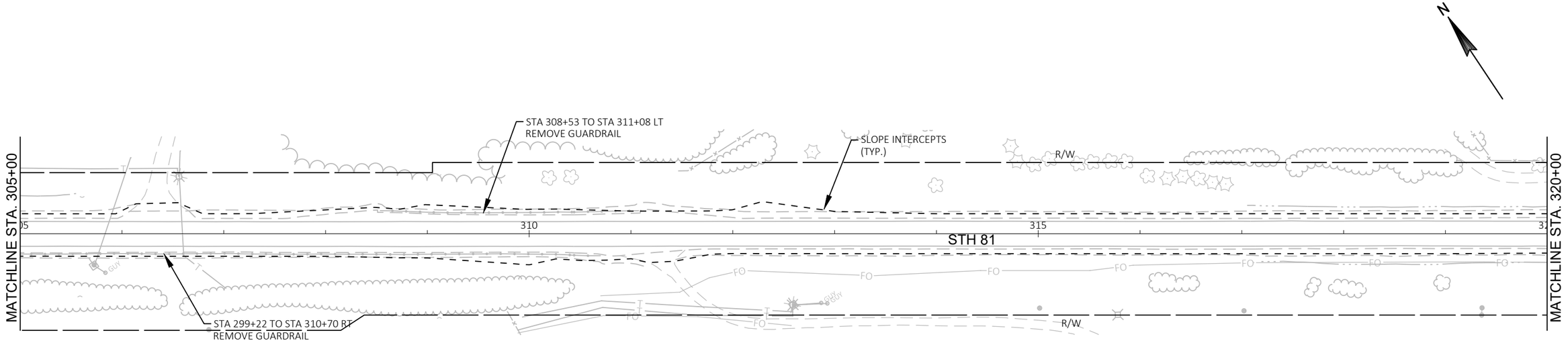
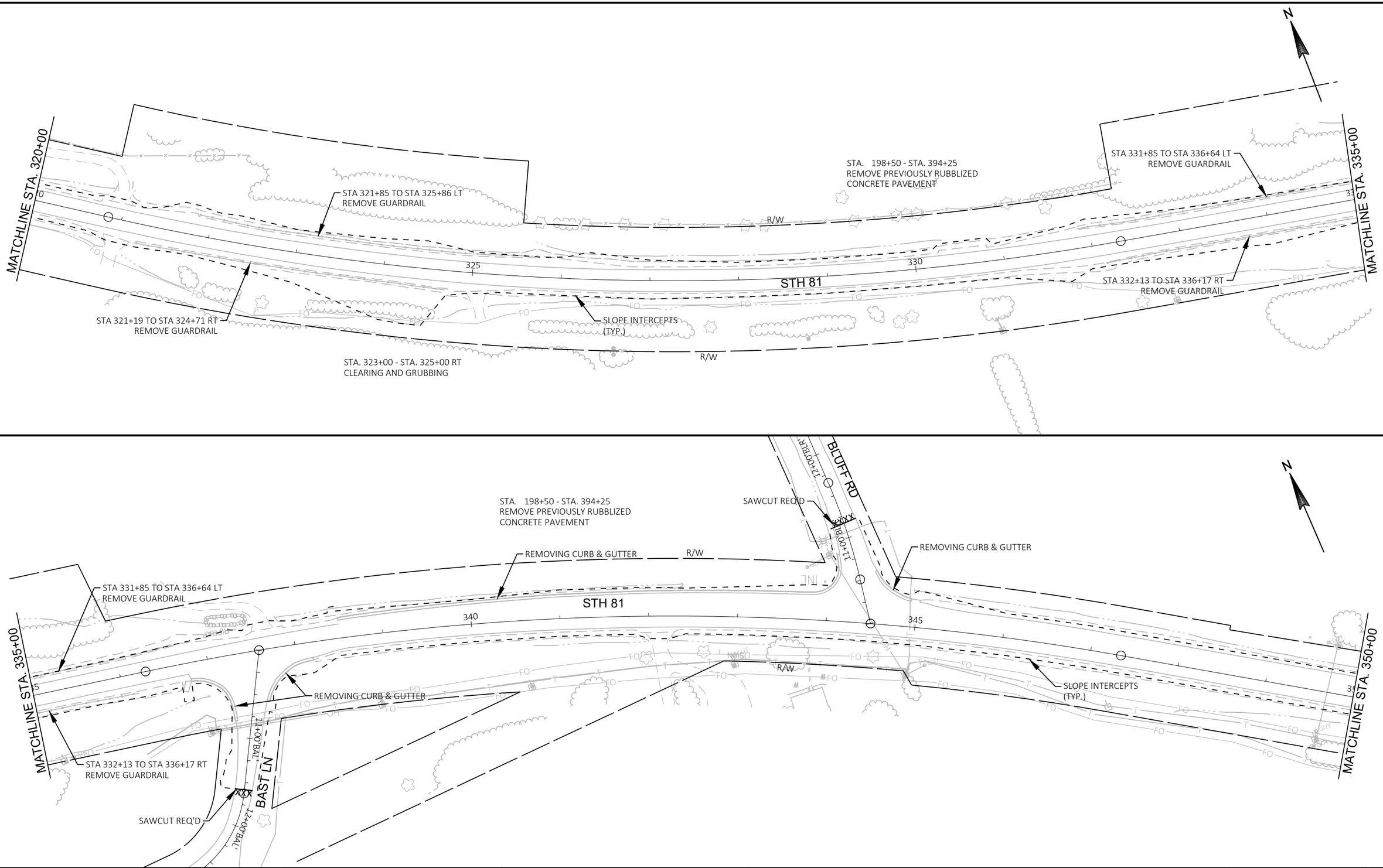


STA. 198+50 - STA. 394+25
REMOVE PREVIOUSLY RUBBLIZED
CONCRETE PAVEMENT

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

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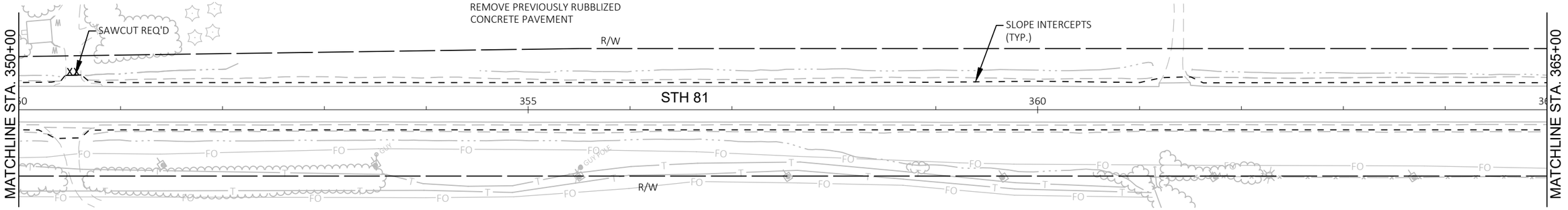

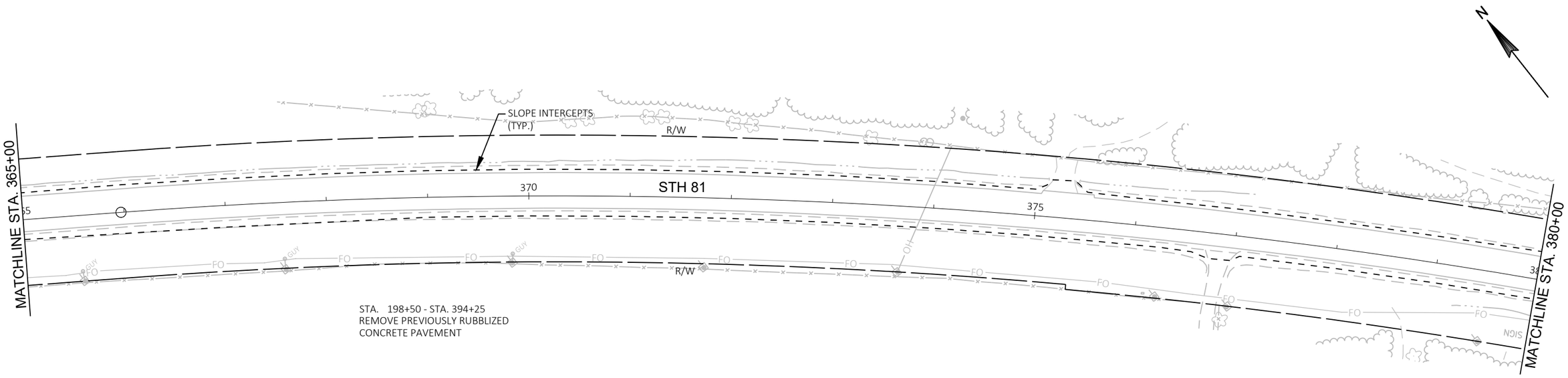

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

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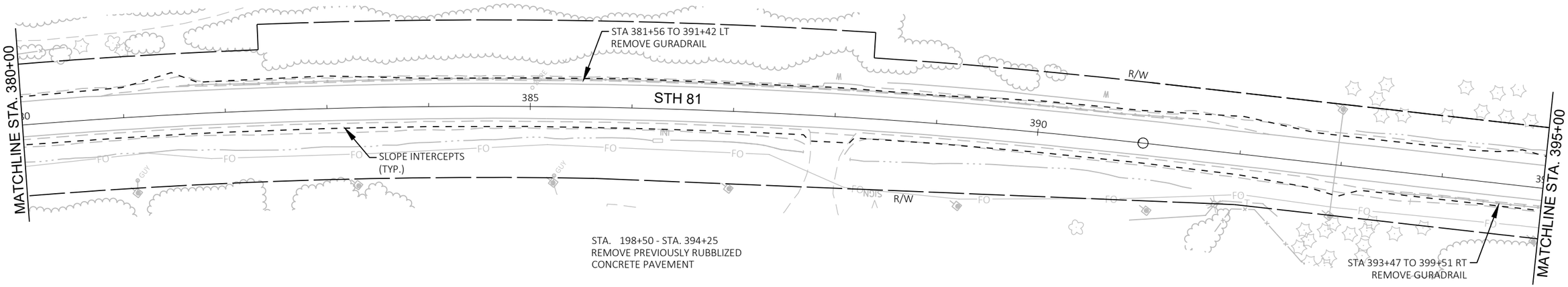

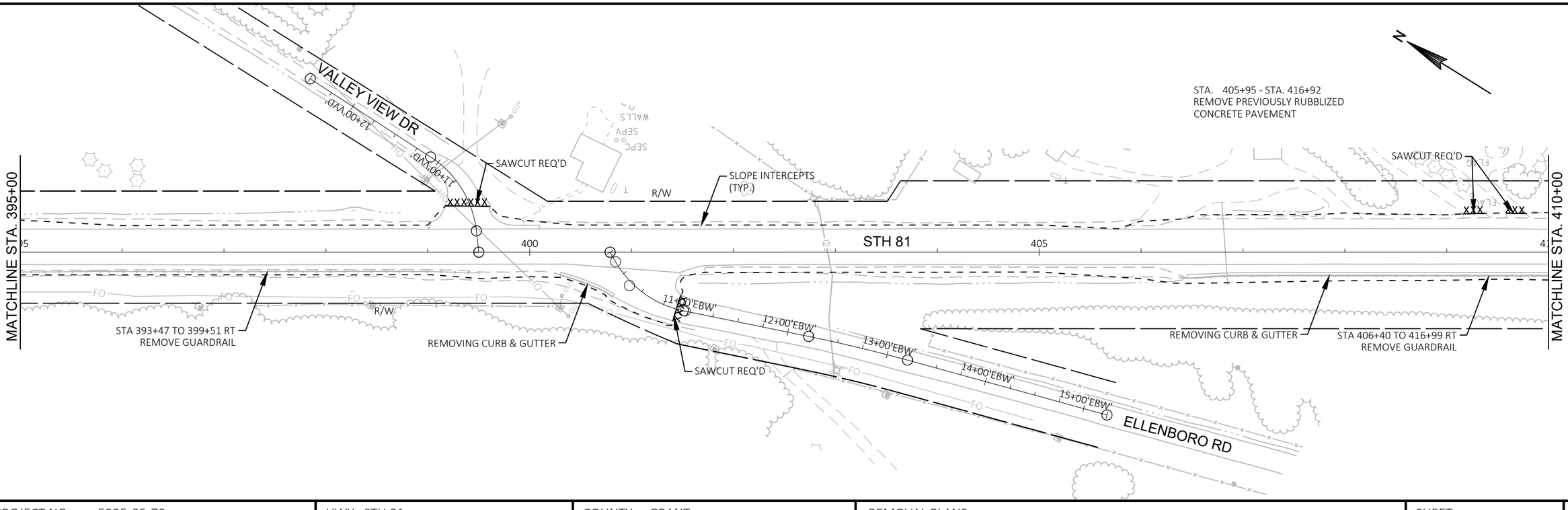

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

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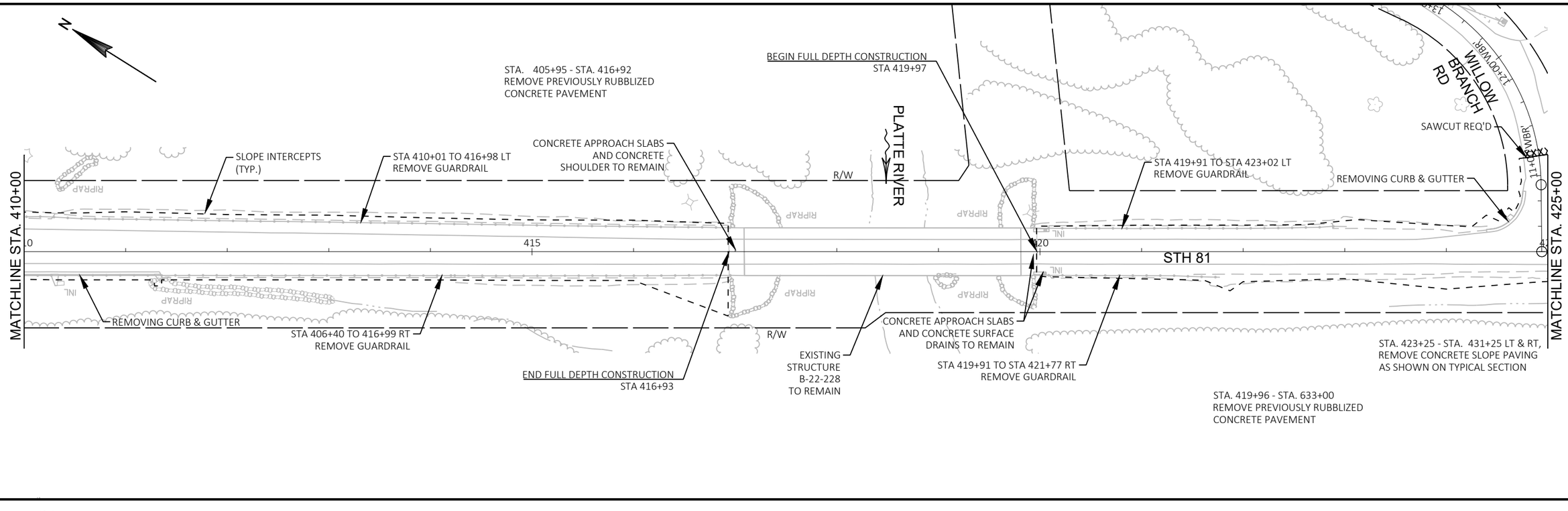
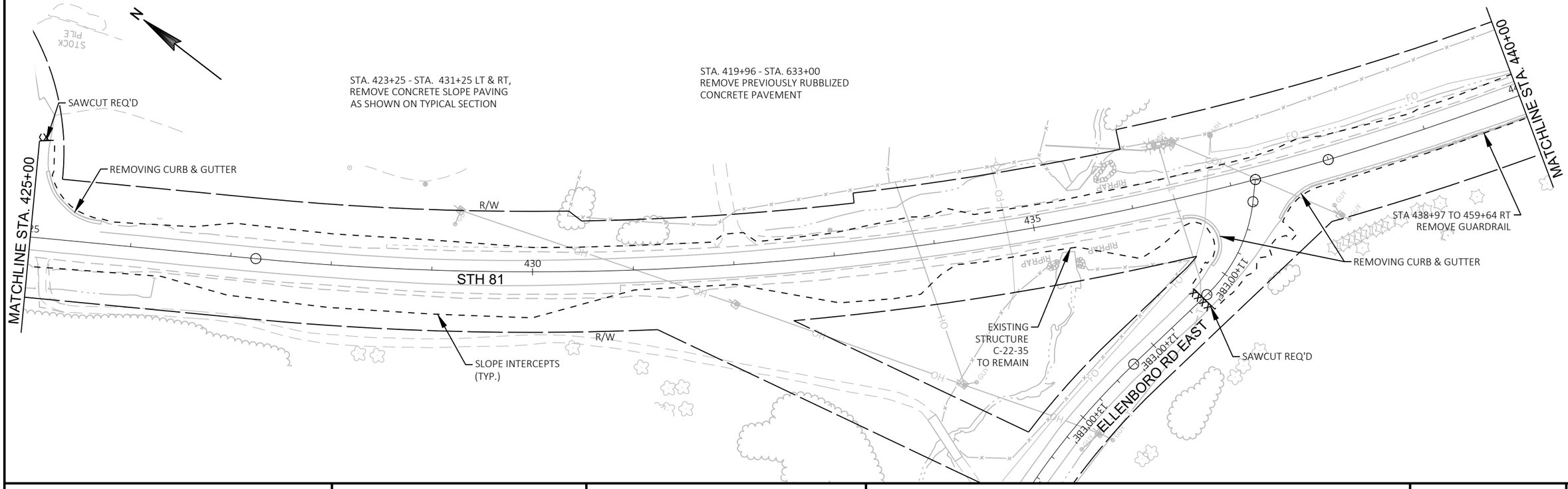
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

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LAYOUT NAME - 09
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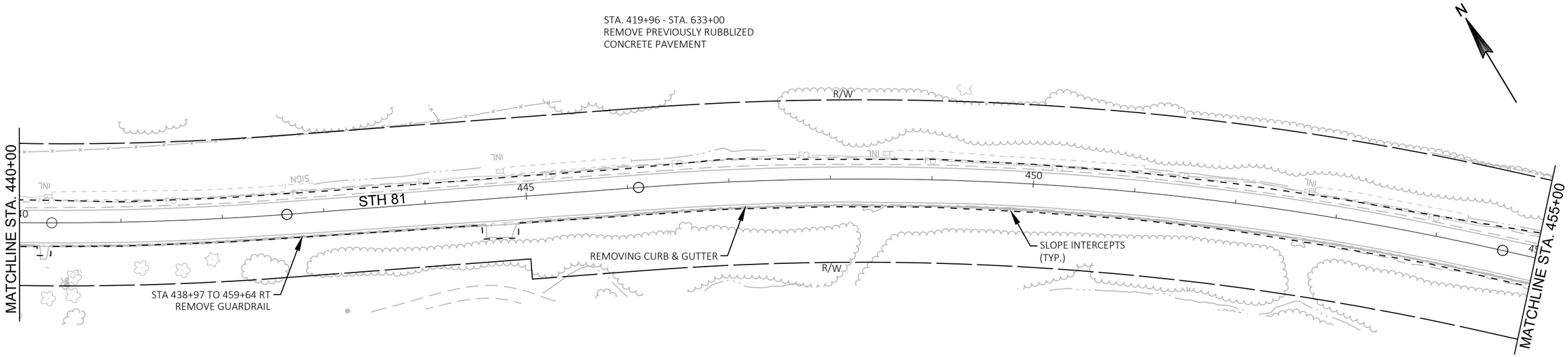
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 44

STA. 419+96 - STA. 633+00
REMOVE PREVIOUSLY RUBBLIZED
CONCRETE PAVEMENT



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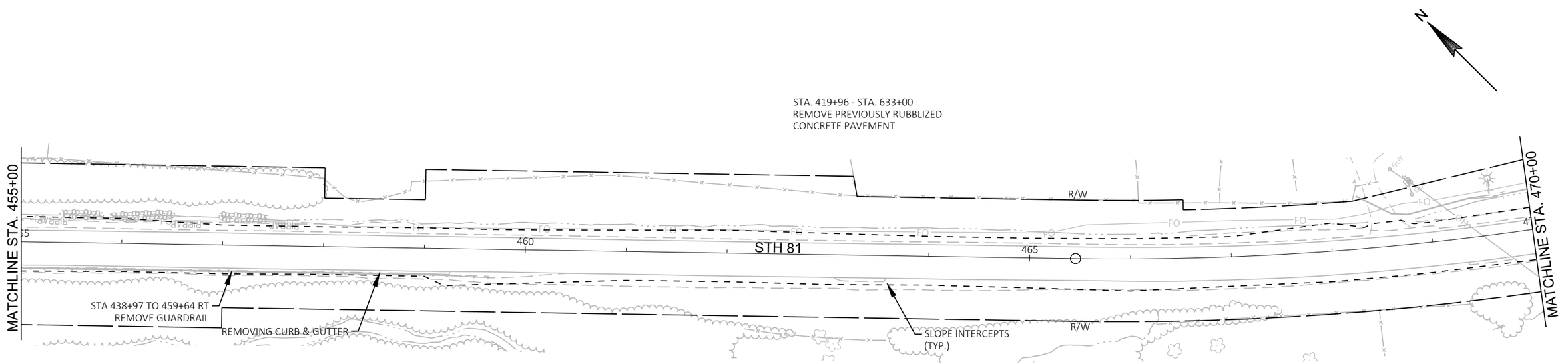
STA. 419+96 - STA. 633+00
REMOVE PREVIOUSLY RUBBLIZED
CONCRETE PAVEMENT



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

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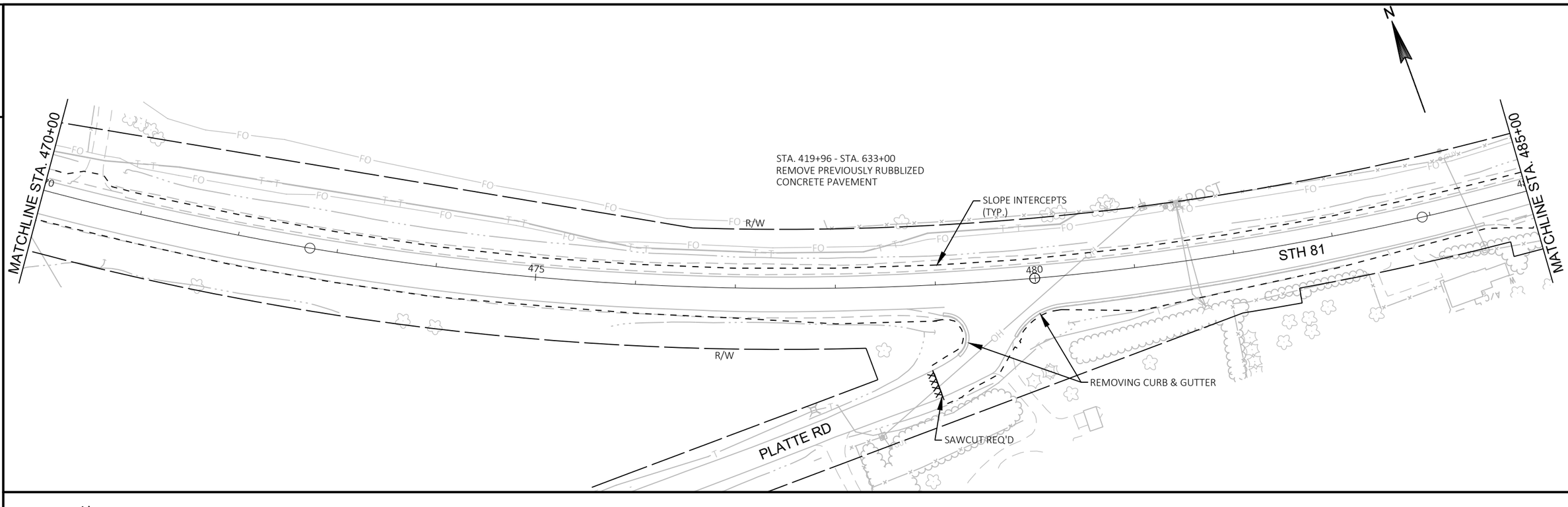

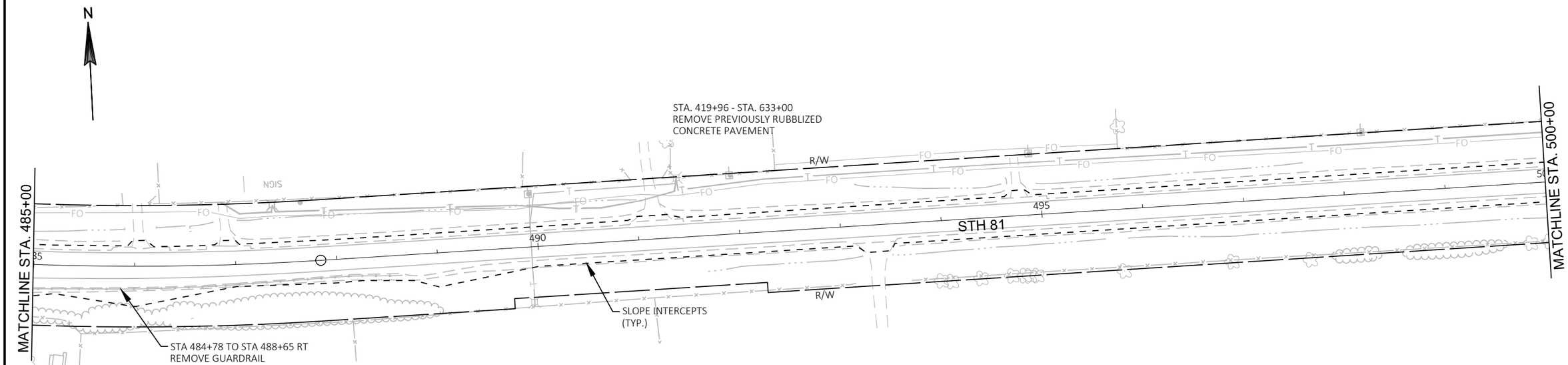

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

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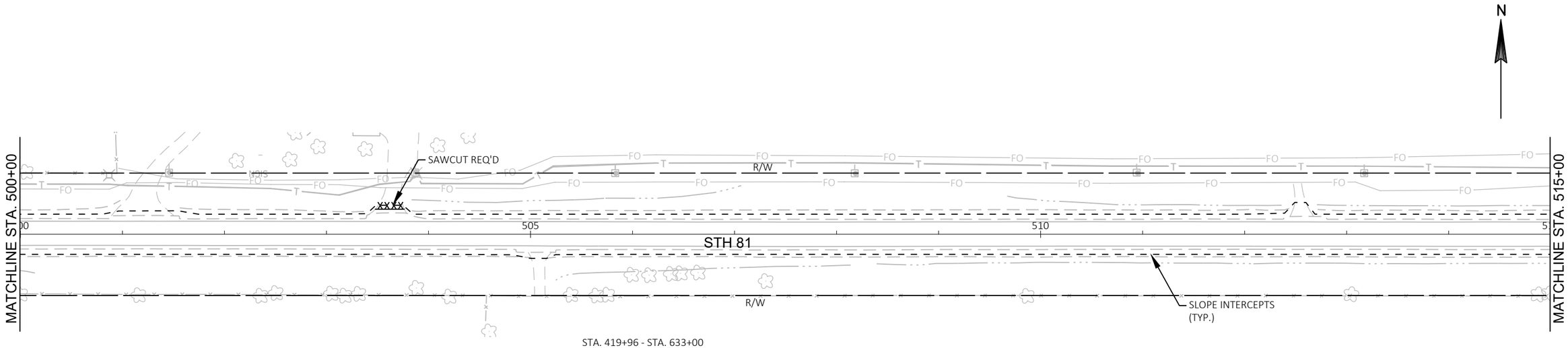
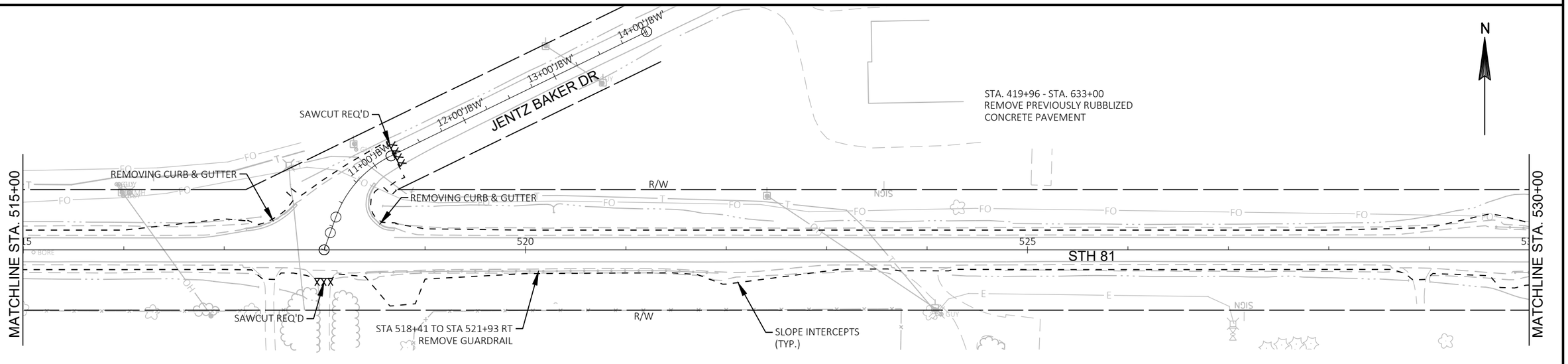


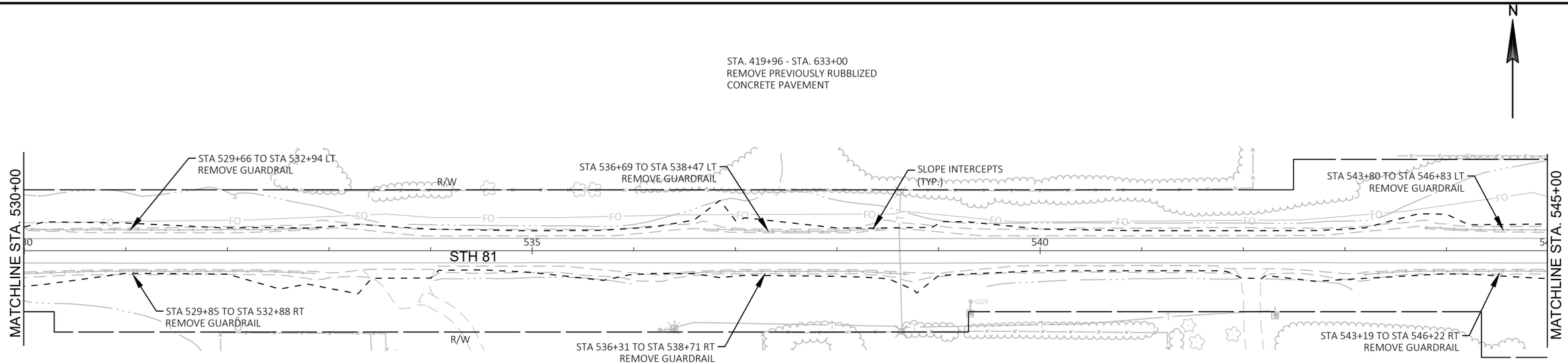
STA. 419+96 - STA. 633+00
REMOVE PREVIOUSLY RUBBLIZED
CONCRETE PAVEMENT



STA. 419+96 - STA. 633+00
REMOVE PREVIOUSLY RUBBLIZED
CONCRETE PAVEMENT

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

STA. 419+96 - STA. 633+00
REMOVE PREVIOUSLY RUBBLIZED
CONCRETE PAVEMENT



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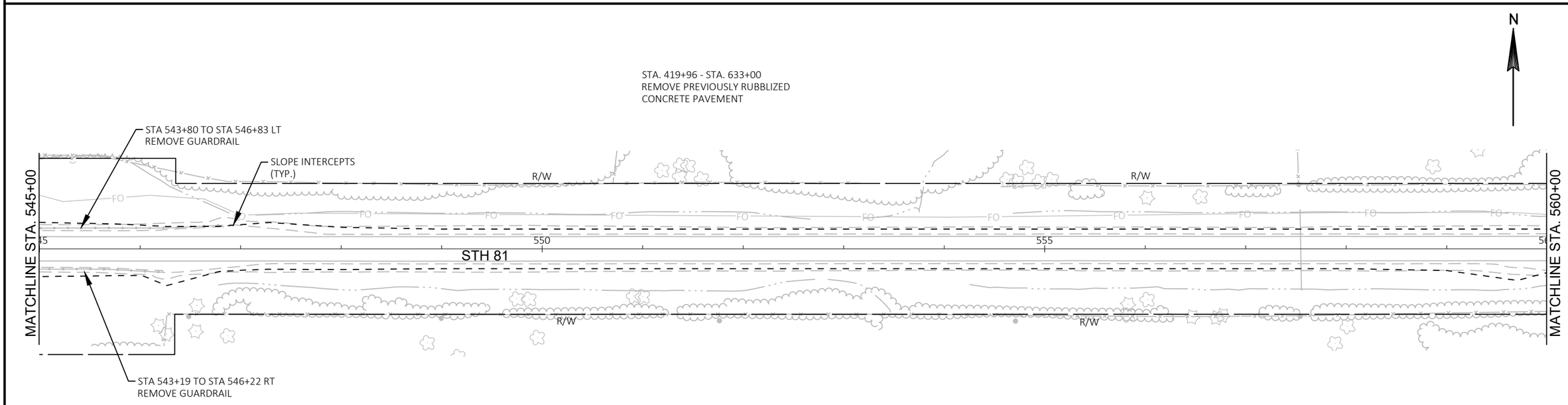
STA. 419+96 - STA. 633+00
REMOVE PREVIOUSLY RUBBLIZED
CONCRETE PAVEMENT



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

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PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

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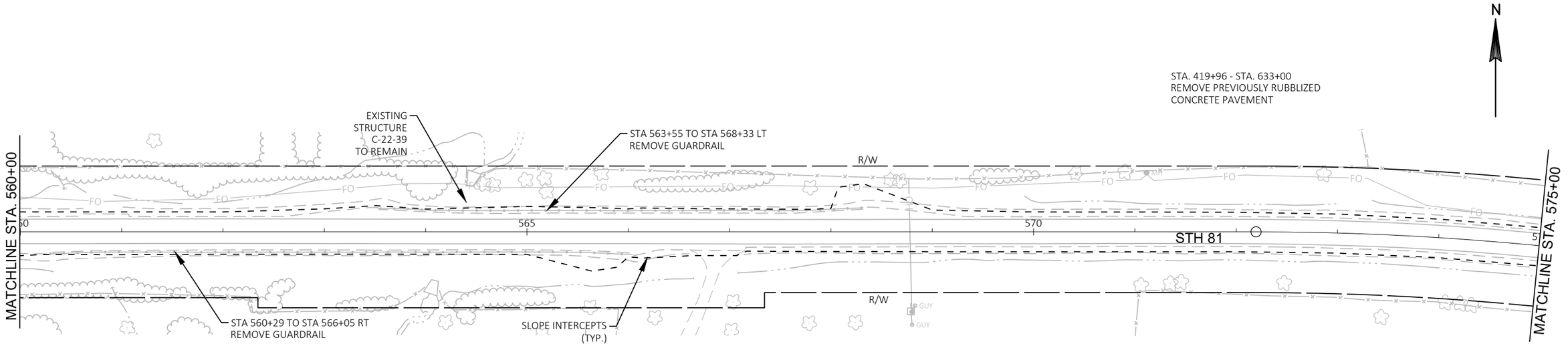
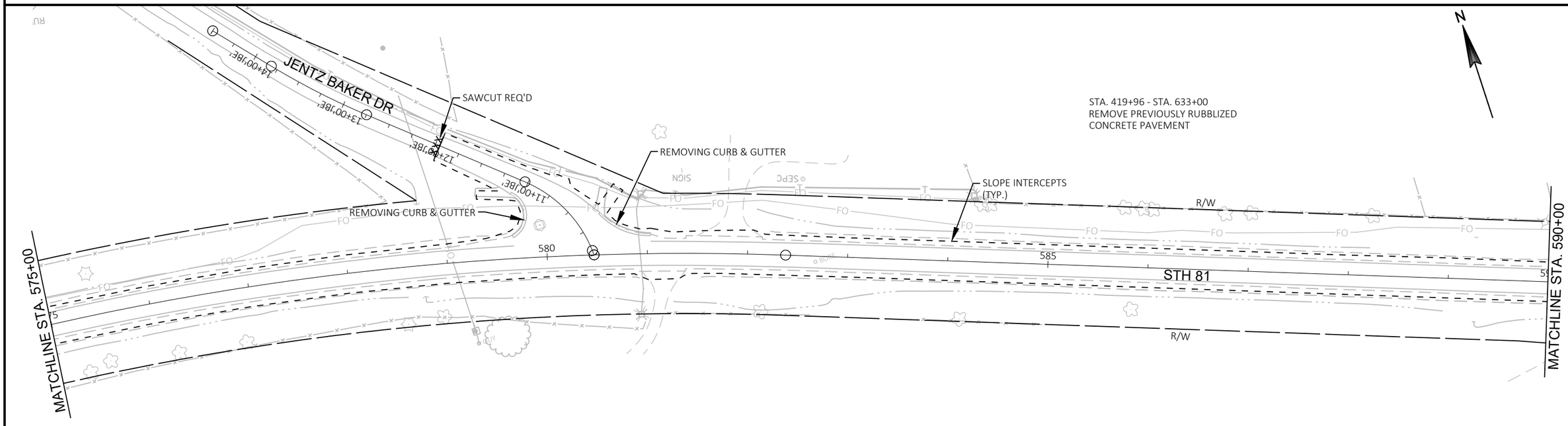
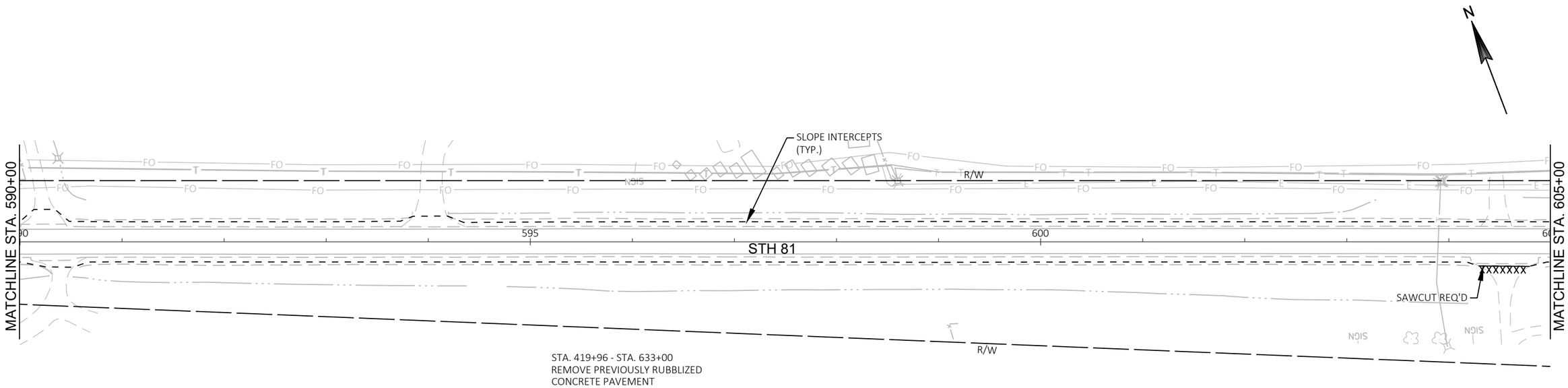
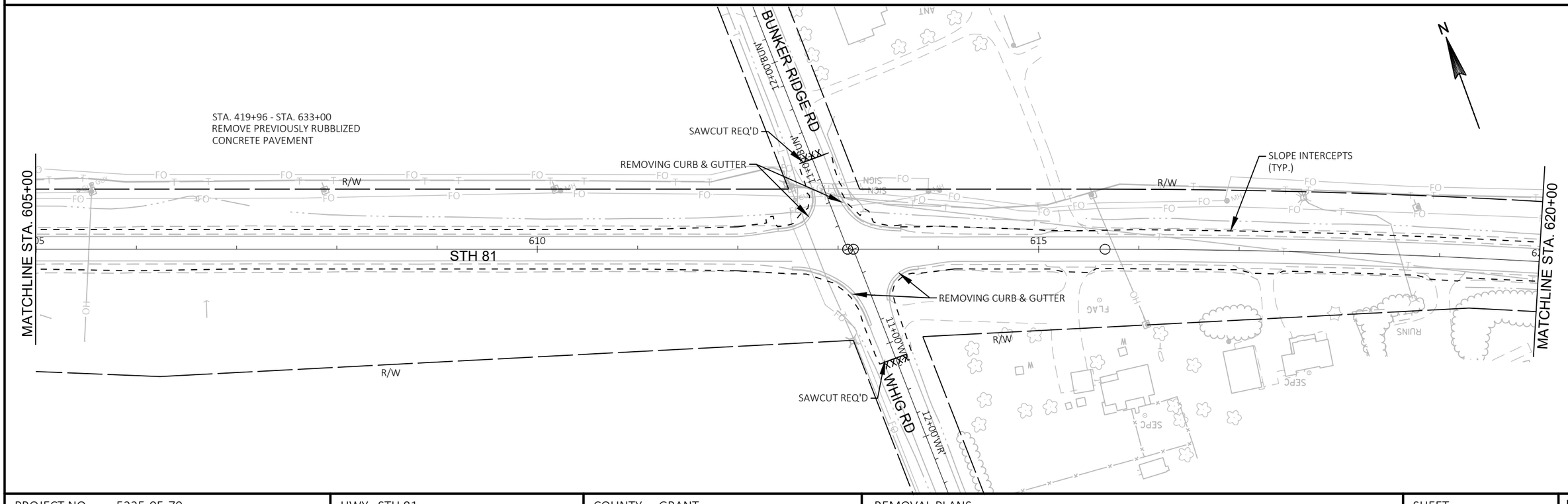




PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

2





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

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PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

STA. 419+96 - STA. 633+00
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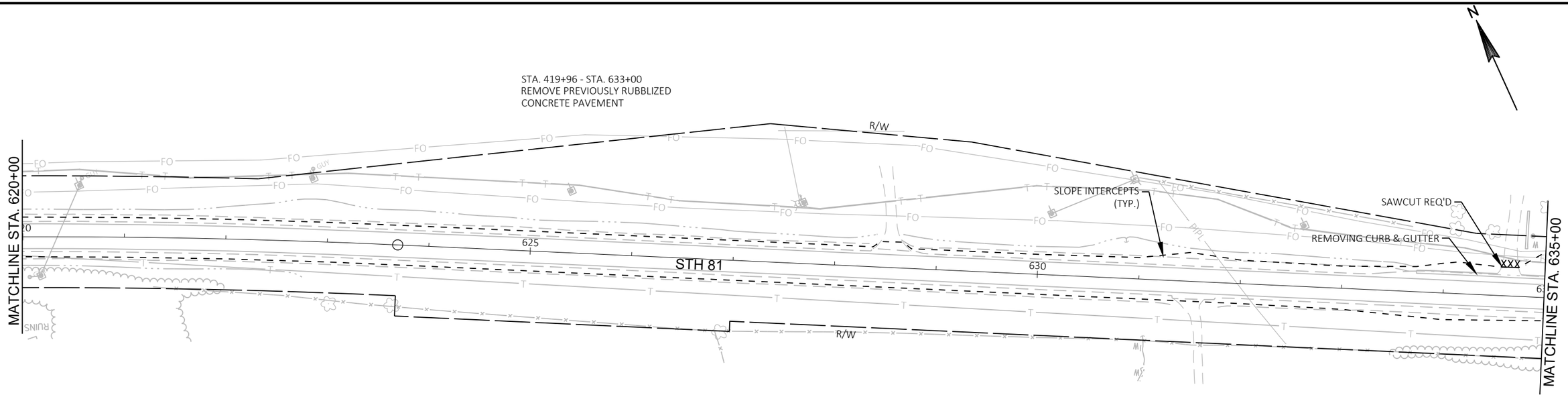
CONCRETE PAVEMENT



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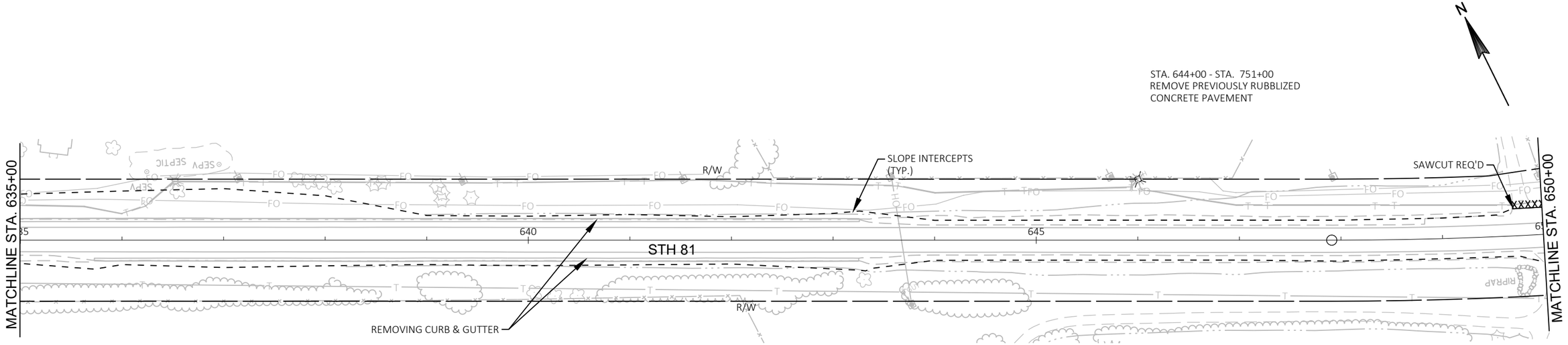
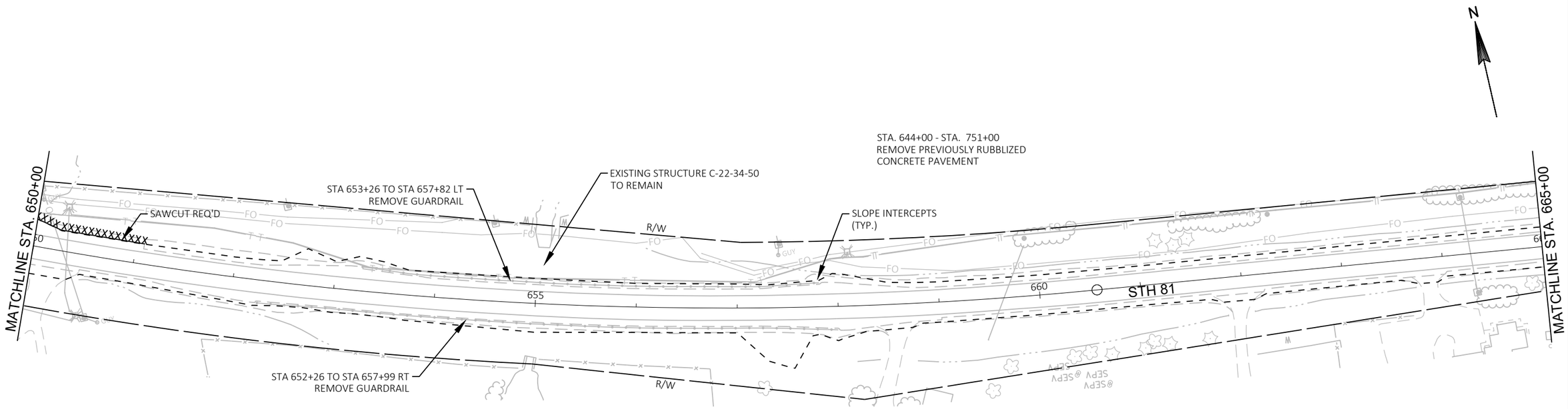
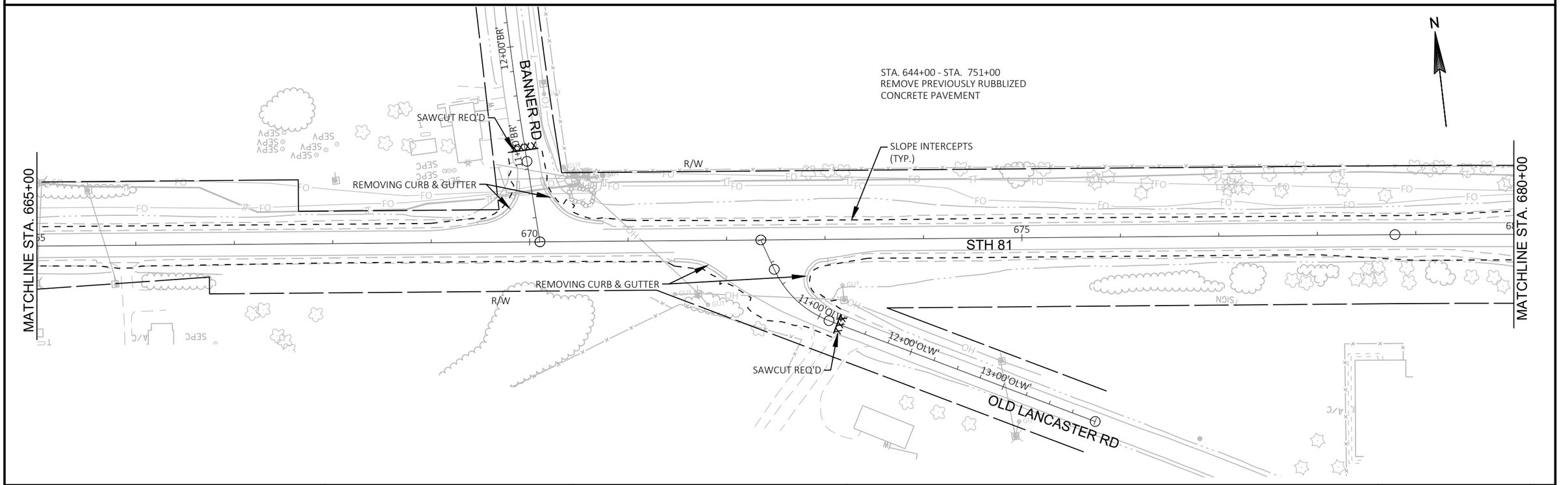
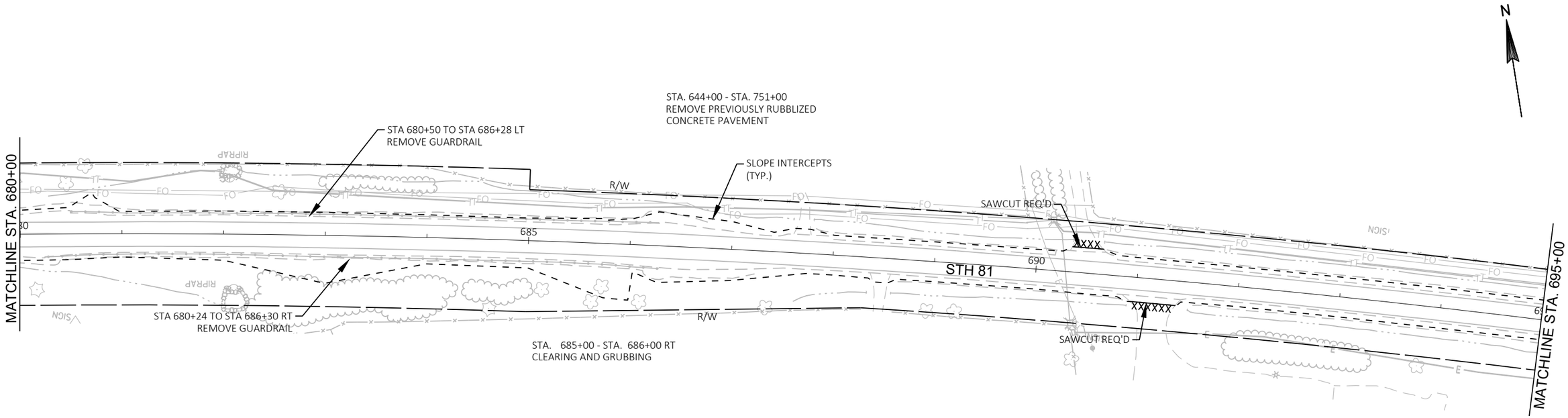


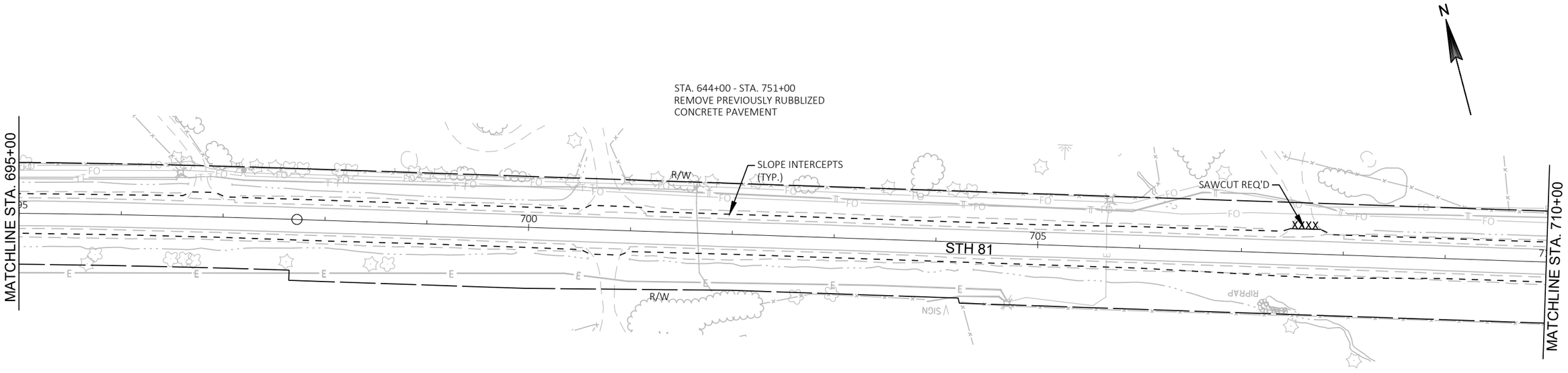
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

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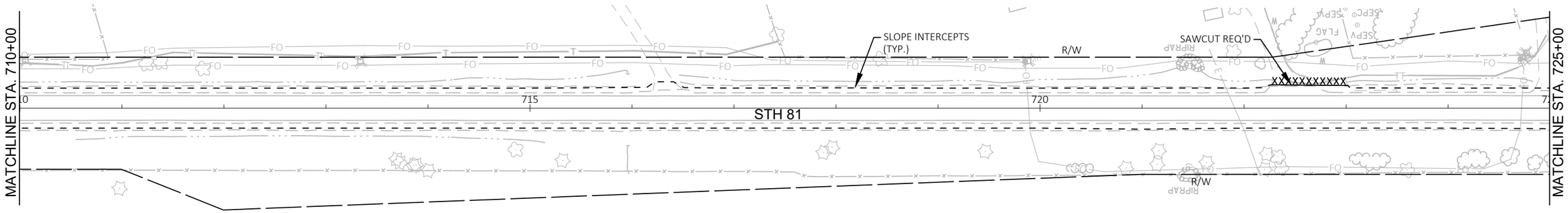
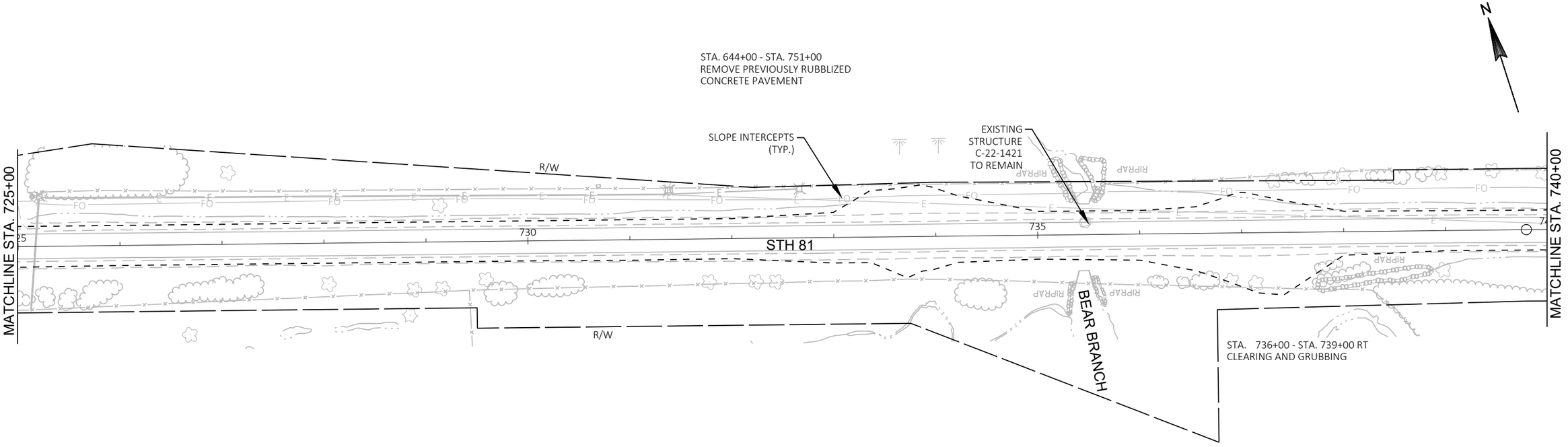
STA. 644+00 - STA. 751+00
REMOVE PREVIOUSLY RUBBLIZED
CONCRETE PAVEMENT

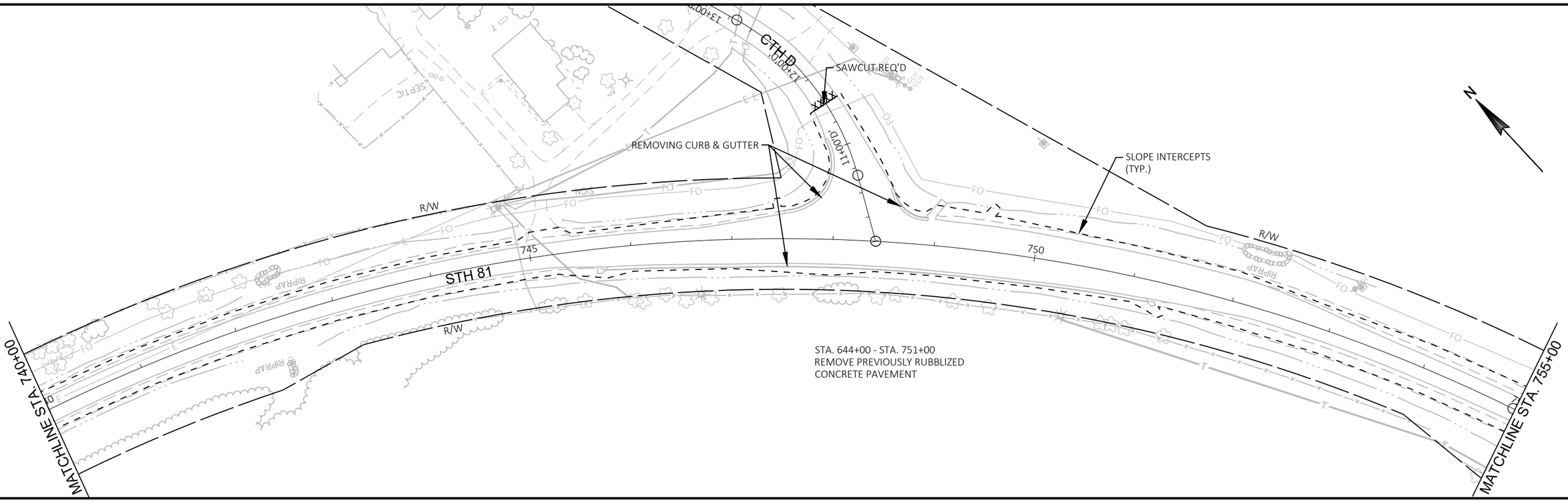


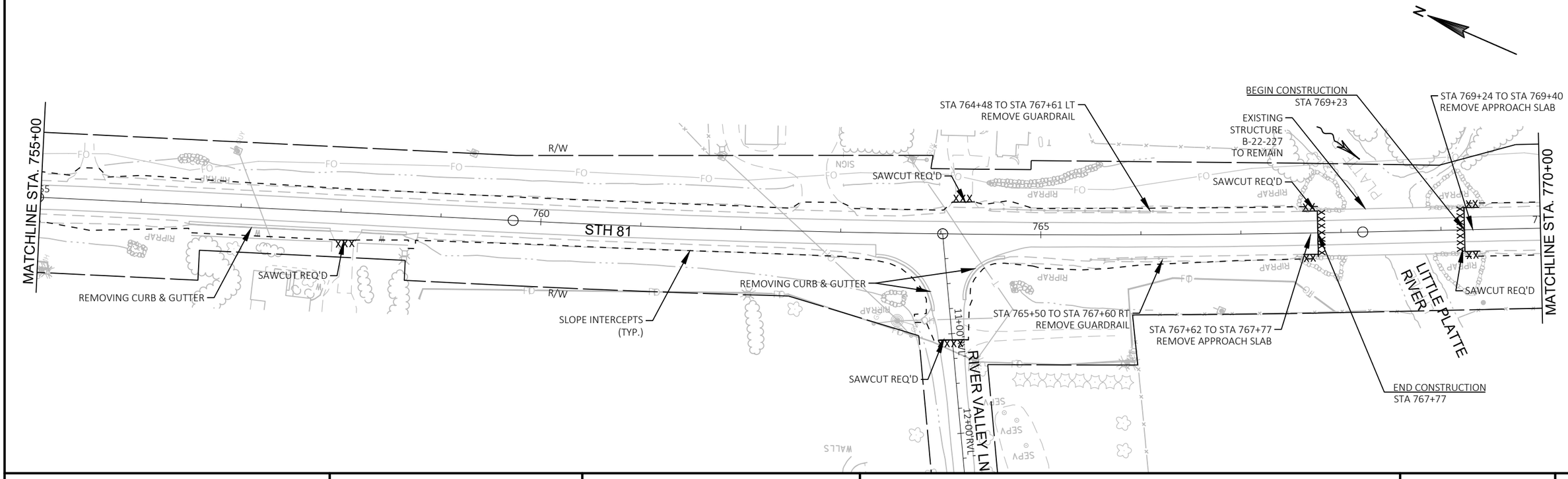
STA. 644+00 - STA. 751+00
REMOVE PREVIOUSLY RUBBLIZED
CONCRETE PAVEMENT



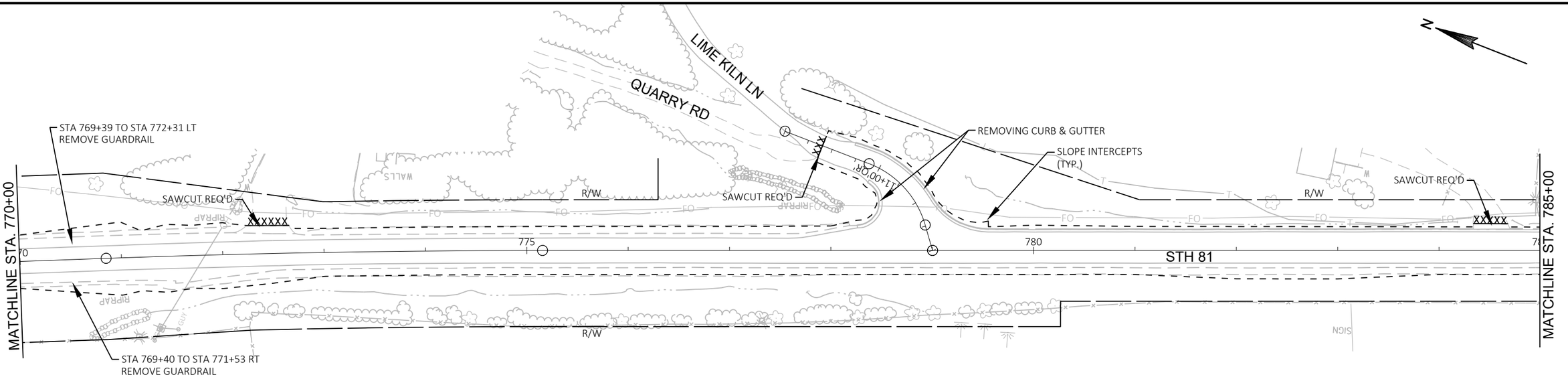
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

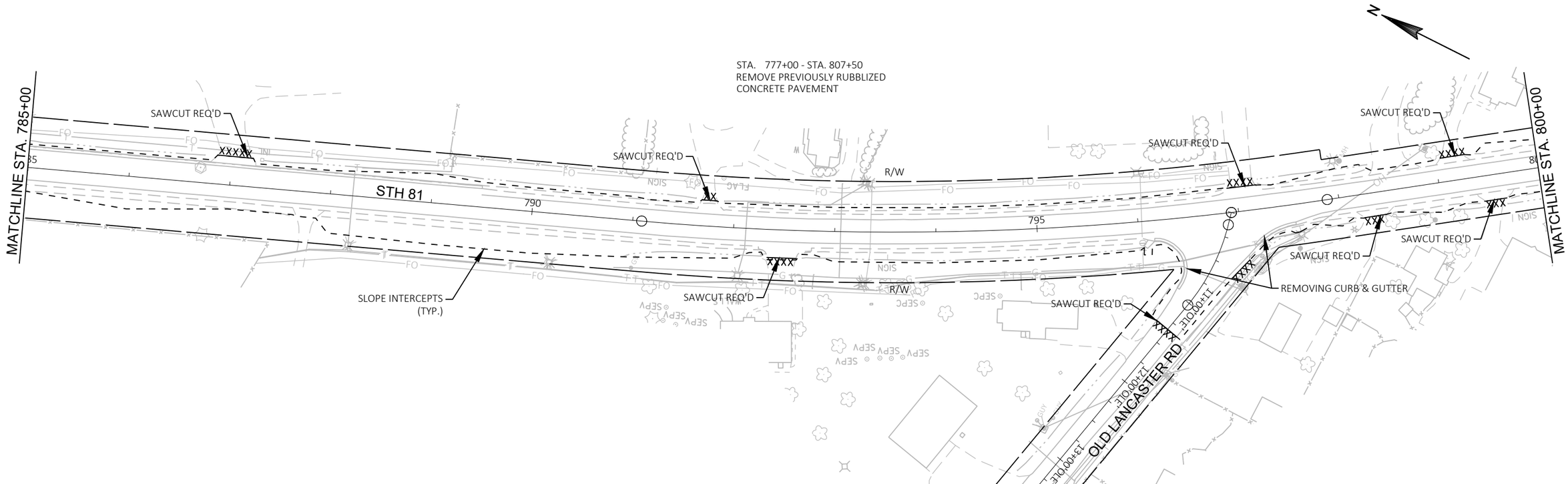
2





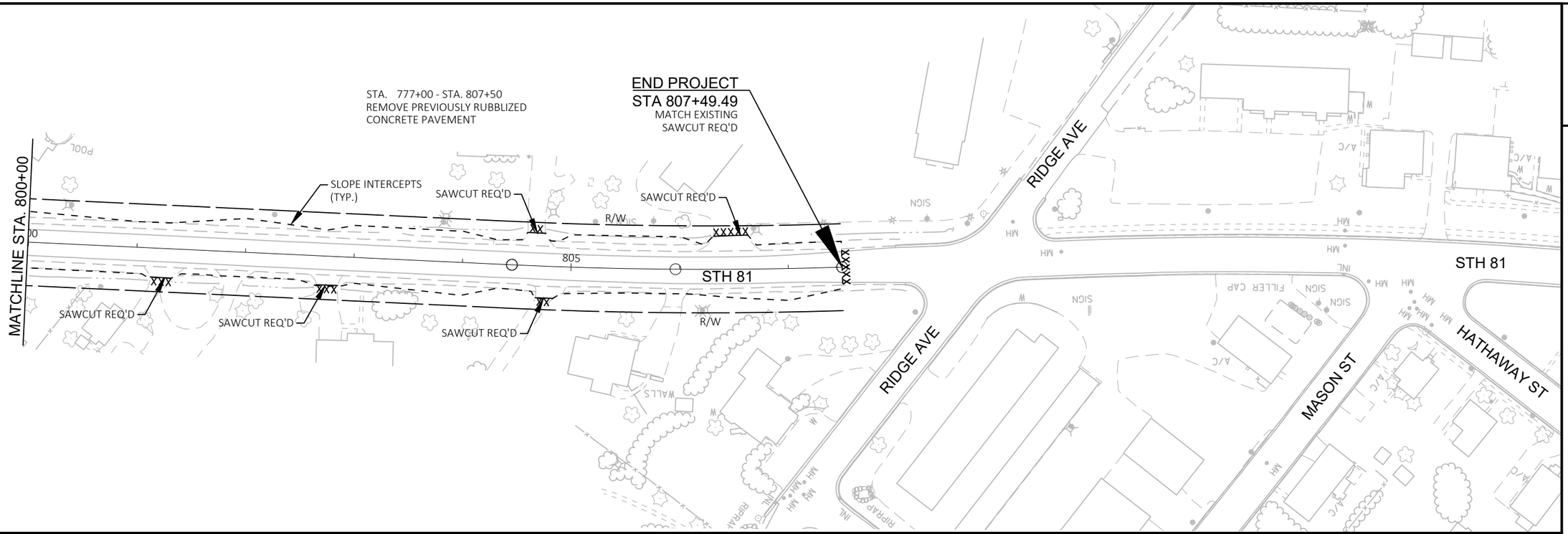
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E





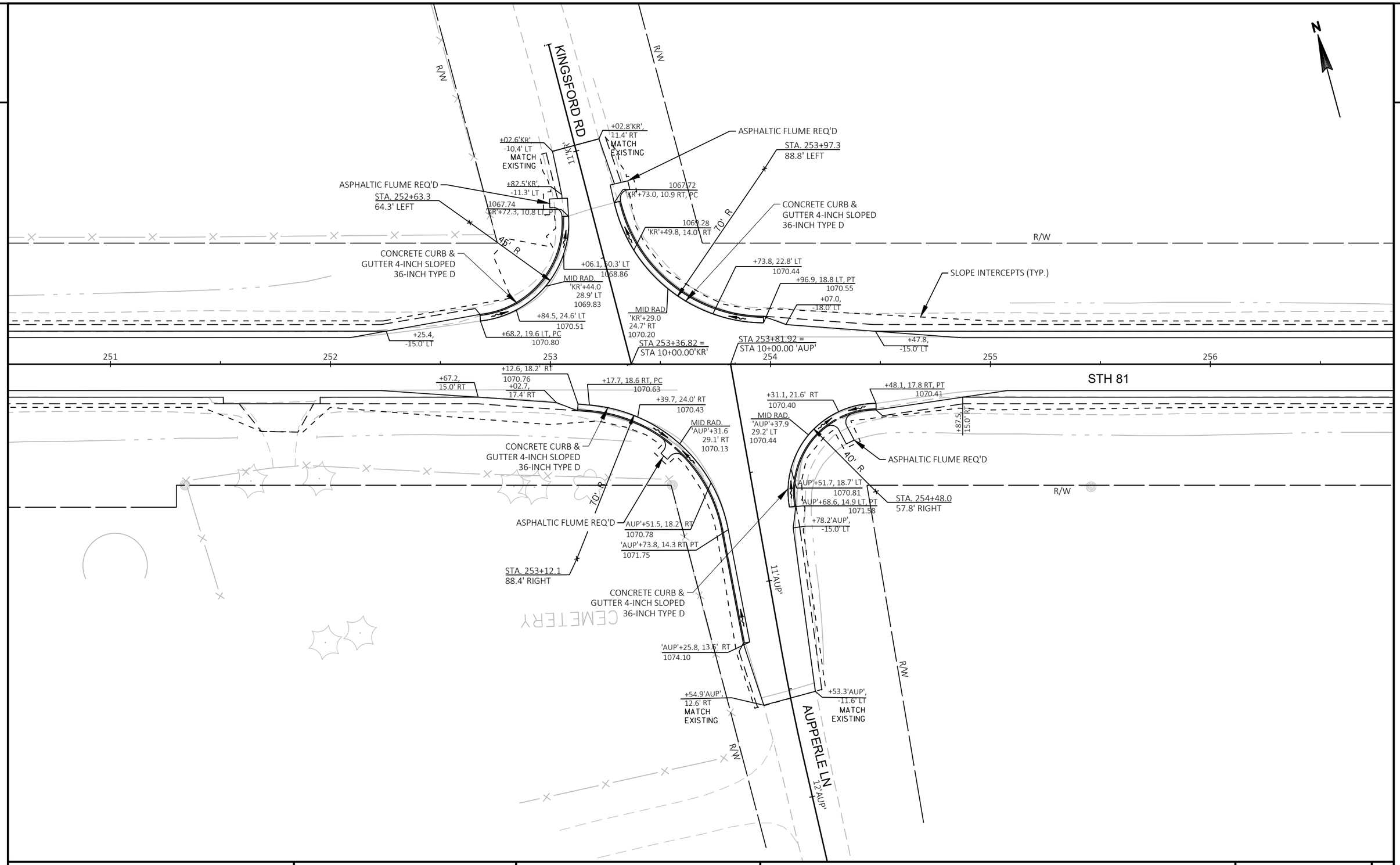
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	REMOVAL PLANS	SHEET	E

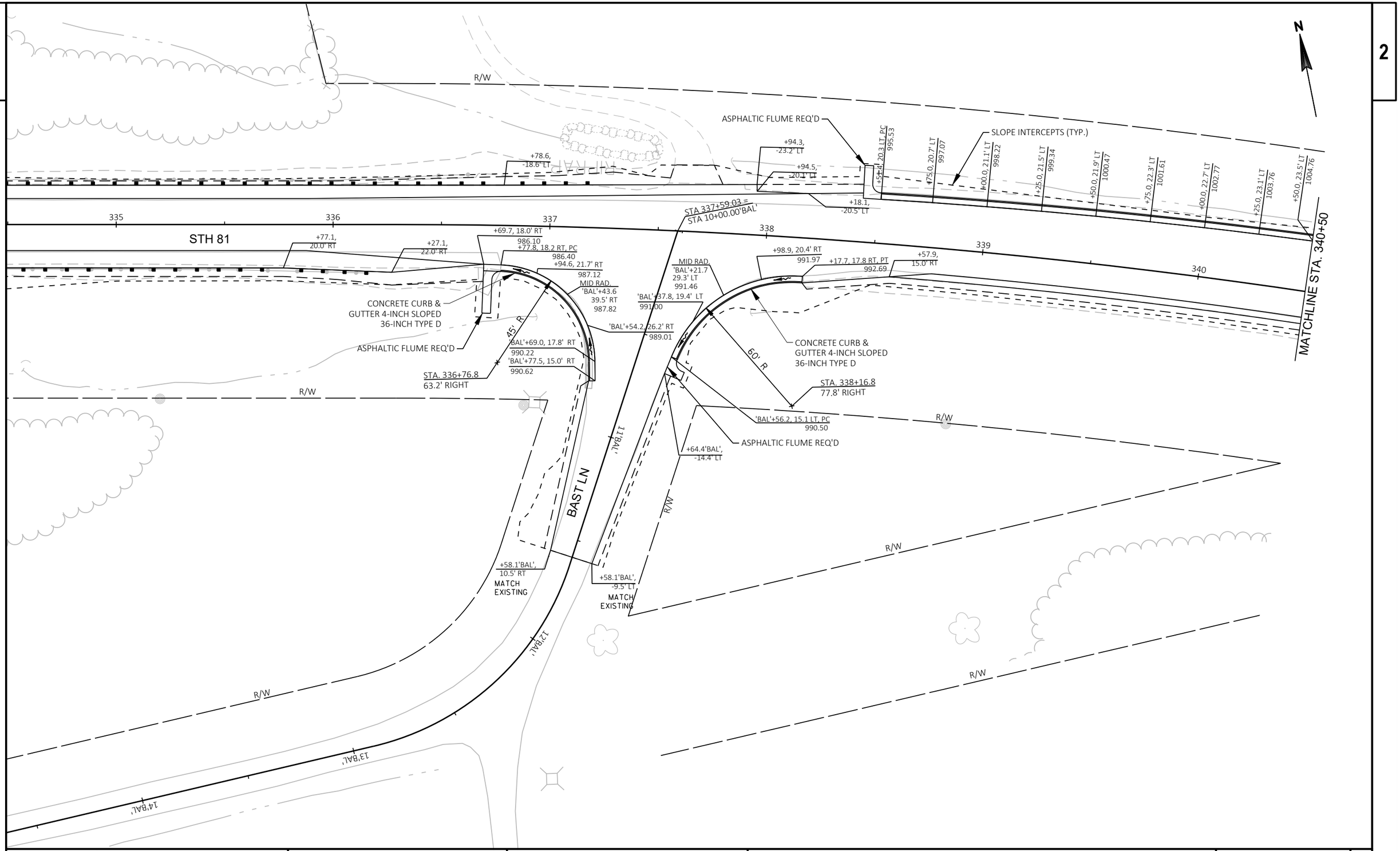
2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - KINGSFORD RD AND AUPPERLE LN	SHEET	E

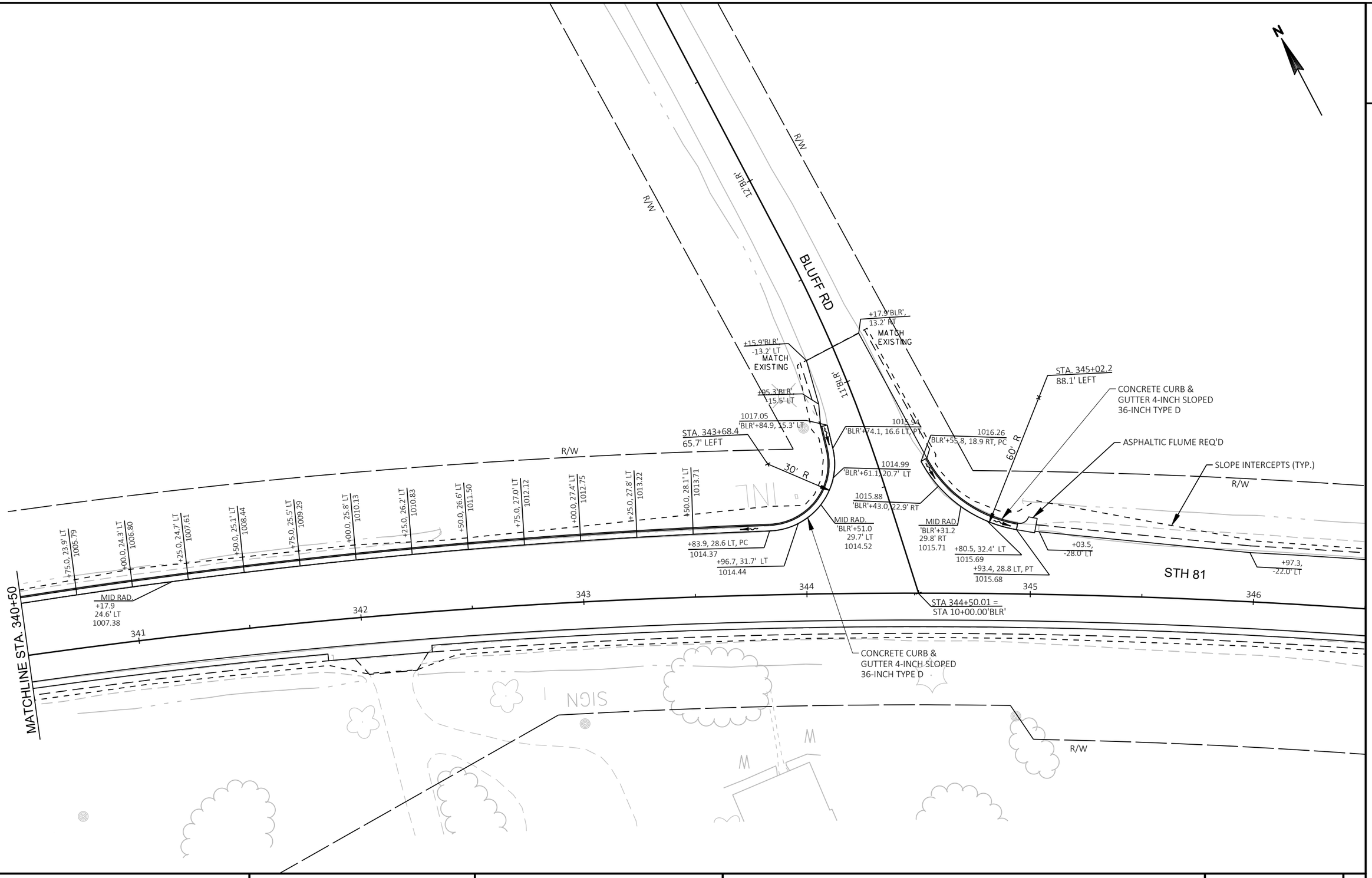
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 01
PLOT DATE : 10/31/2019 1:40 PM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - BAST LN	SHEET	E

2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - BLUFF RD	SHEET	E

2

2

VALLEY VIEW DR

12'VVD'

11'VVD'

R/W

R/W

+57.7'VVD',
22.1' LT
MATCH
EXISTING

+00.8,
-22.0' LT

+00.8,
-30.0' LT

+40.0'VVD',
18.2' RT
MATCH
EXISTING

+70.5,
-30.0' LT

38' R

STA. 399+86.7
64.4' LEFT

+86.3,
-26.4' LT

+09.4,
-26.5' LT

+09.8,
-22.0' LT

SLOPE INTERCEPTS (TYP.)

224.6' R

STA. 401+92.9
151.1' LEFT

N

STH 81

397

398

399

400

401

402

STA 399+50.00 =
STA 10+00.00'VVD'

STA 400+78.84 =
STA 10+00.00'EBW'

+30.8, 18.8' RT, PC
826.03

+44.5, 23.04' RT
825.84

MID RAD.
EBW'+13.3
32.5' RT
825.61

'EBW'+22.8'
25.1' RT
825.37

'EBW'+33.6'
20.1' RT, PT
825.12

+02.1,
18.0' RT

+52.1,
20.0' RT

+20.5,
18.8' RT

+63.3, 15.0' RT
821.60

+52.0, 18.8' RT
821.96

13.5' R

MID RAD.
'EBW'+79.1
22.6' LT
823.41

STA. 401+56.8
31.5' RIGHT

R/W

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

11'EBW'

ELLENBORO RD WEST

12'EBW'

+88.1'EBW',
17.1' RT
MATCH
EXISTING

'EBW'+88.6,
825.07

14.5' LT
MATCH
EXISTING

R/W

175' R

STA. 399+91.1
190.2' RIGHT

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - VALLEY VIEW DR AND ELLENBORO RD WEST	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 04

PLOT DATE : 10/31/2019 1:42 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ############

2

2

N

R/W

SLOPE INTERCEPTS (TYP.)

STA. 410+26 - STA. 410+34 RT
DRIVEWAY CURB REQ'D

STH 81

406 407 408 409 410 411

+45.5, 21.9' RT 794.72
+75.0, 20.8' RT 792.76
+00.0, 20.0' RT 791.11
+25.0, 20.0' RT 789.43
+50.0, 20.0' RT 787.75
+75.0, 20.0' RT 786.07
+00.0, 20.0' RT 784.40
+25.0, 20.0' RT 782.73
+50.0, 20.0' RT 781.06
+75.0, 20.0' RT 779.39
+00.0, 20.0' RT 777.72
+25.0, 20.0' RT 776.14
+50.0, 19.9' RT 774.57
+75.0, 19.9' RT 773.08
+00.0, 19.9' RT 771.59
+25.0, 19.9' RT 770.18
+50.0, 19.9' RT 768.81
+75.0, 19.9' RT 767.50
+00.0, 19.9' RT 766.21
+26.2, 19.9' RT 764.92

MGS GUARDRAIL 3

ASPHALTIC FLUME REQ'D

ASPHALTIC FLUME REQ'D

R/W

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

RIPRAP

RIPRAP

FLAG

FLAG

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - STA. 406+45 - STA. 411+33, CURB SECTION	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 05

PLOT DATE : 10/31/2019 1:42 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ############

2

2

R/W

R/W

R/W

R/W

R/W

R/W

RIPRAP

RIPRAP

RIPRAP

RIPRAP

+93.8, 19.6' LT
739.89
MATCH
EXISTING

+09.0, 19.7' LT
738.90

MGS GUARDRAIL 3

INL

416

417

418

419

420

421

422

STH 81

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

INL

+93.8, 20.0' RT
739.74
MATCH
EXISTING

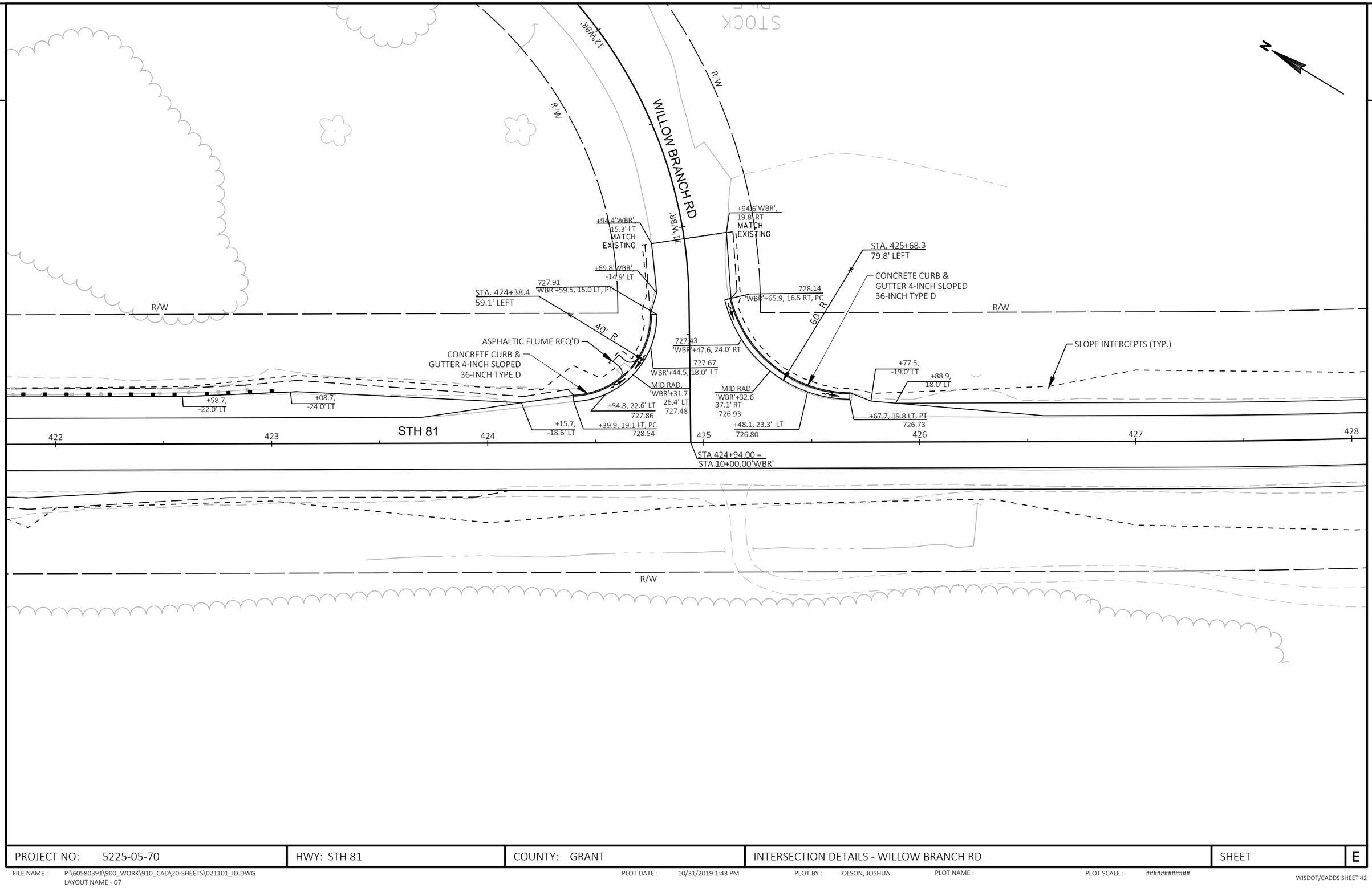
+06.1, 20.0' RT
739.16

SLOPE INTERCEPTS (TYP.)

MGS GUARDRAIL 3

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - STA. 419+94 - STA. 420+09, CURB SECTION	SHEET	E

2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - WILLOW BRANCH RD	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 07

PLOT DATE : 10/31/2019 1:43 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ############

2

2

STA. 434+22.4
234.5' LEFT

N

413.4' R

R/W

R/W

SLOPE INTERCEPTS (TYP.)

MATCHLINE STA. 439+50

RIPRAP

RIPRAP

RIPRAP

434

435

STH 81

436

437

438

439

+26.7,
-18.0' LT

+77.0,
-20.0' LT

+25.9,
-14.7' LT

STA 437+25.02 =
STA 10+00.00'EBE'

+27.6,
18.0' RT

+91.9,
19.4' RT

+46.9, 18.2 RT, PC
739.56

+65.2, 23.4' RT
740.20

+71.2, 19.9' RT
745.88

+84.7, 18.2 RT, PT
746.69

MID RAD.
'EBE'+10.9
40.3' LT
745.06

'EBE'+22.2, 32.5' LT
744.18

'EBE'+33.0, 28.0 LT, PC
743.22

+00.0, 18.1' RT
747.64

+25.0, 18.1' RT
749.24

+50.0, 18.0' RT
750.84

+75.0, 18.0' RT
752.44

+00.0, 18.0' RT
754.06

+25.0, 18.0' RT
755.68

+50.0, 18.0' RT
757.30

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

HIGH PNT
+62.9
22.0' RT
740.53

30' R

MID RAD.
'EBE'+61.0
28.2' RT
739.84

'EBE'+78.9, 16.5' RT
738.09

60' R

STA. 436+48.5
48.2' RIGHT

R/W

'EBE'+00.1, 13.9 RT, PT
735.50

+39.7'EBE',
-26.7' LT

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

STA. 437+83.96 - STA. 438+95.75 RT
DRIVEWAY CURB REQ'D

R/W

ASPHALTIC FLUME REQ'D

STA. 437+85.3
78.2' RIGHT

ASPHALTIC FLUME REQ'D

11'EBE'

+32.4'EBE',
12.5' RT
MATCH
EXISTING

R/W

ELLENBORO RD EAST

MID RAD.
'EBE'+83.8
14.6' LT
737.65

R/W

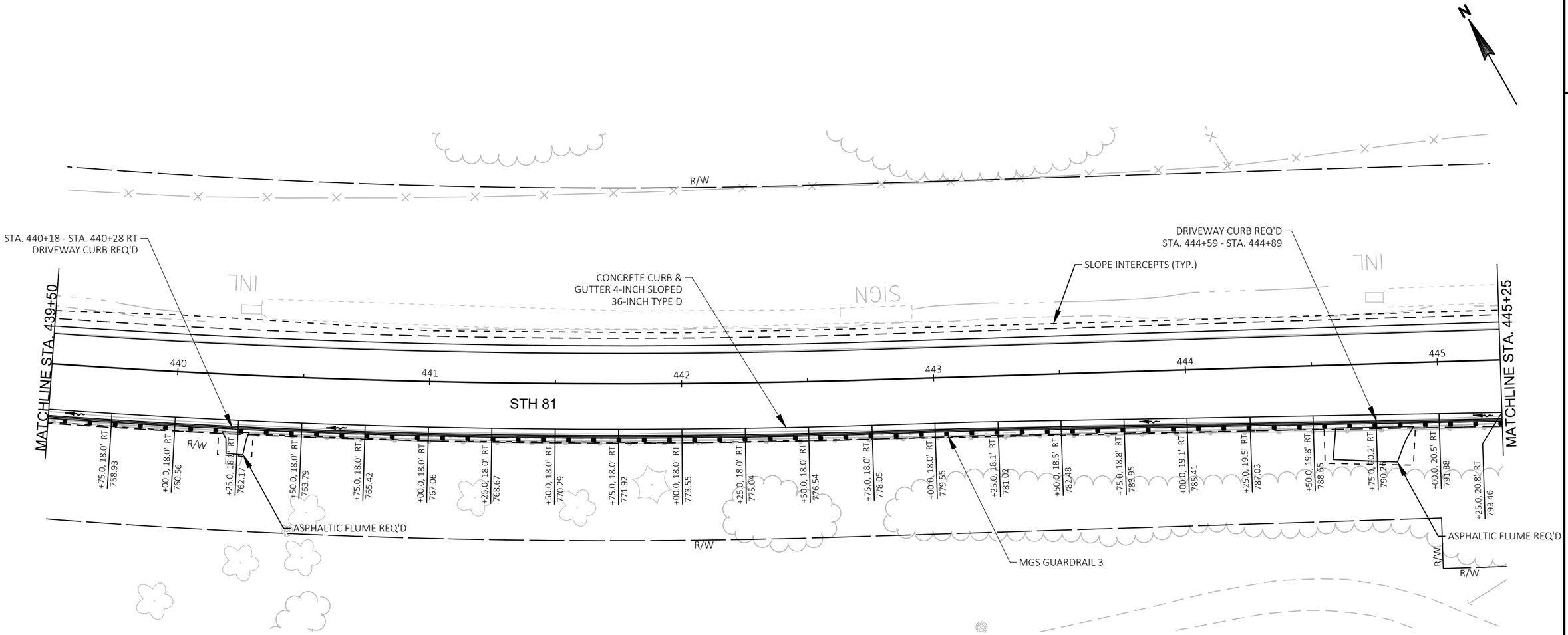
+31.5'EBE',
-11.5' LT
MATCH
EXISTING

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - ELLENBORO RD EAST	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 08

PLOT DATE : 10/31/2019 1:44 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ############

2

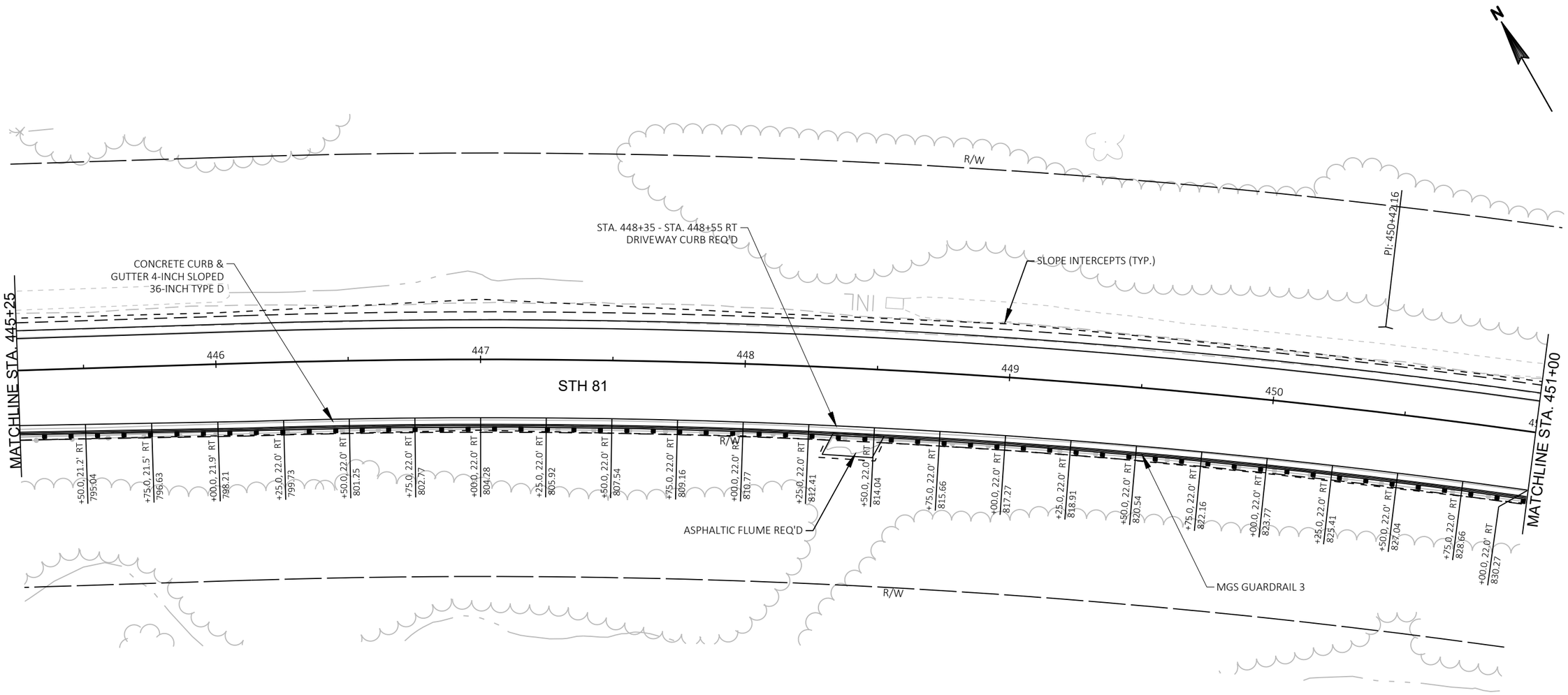


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - STA. 438+83 - STA. 459+69 RT, CURB SECTION	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 09

PLOT DATE : 10/31/2019 1:44 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ############

2

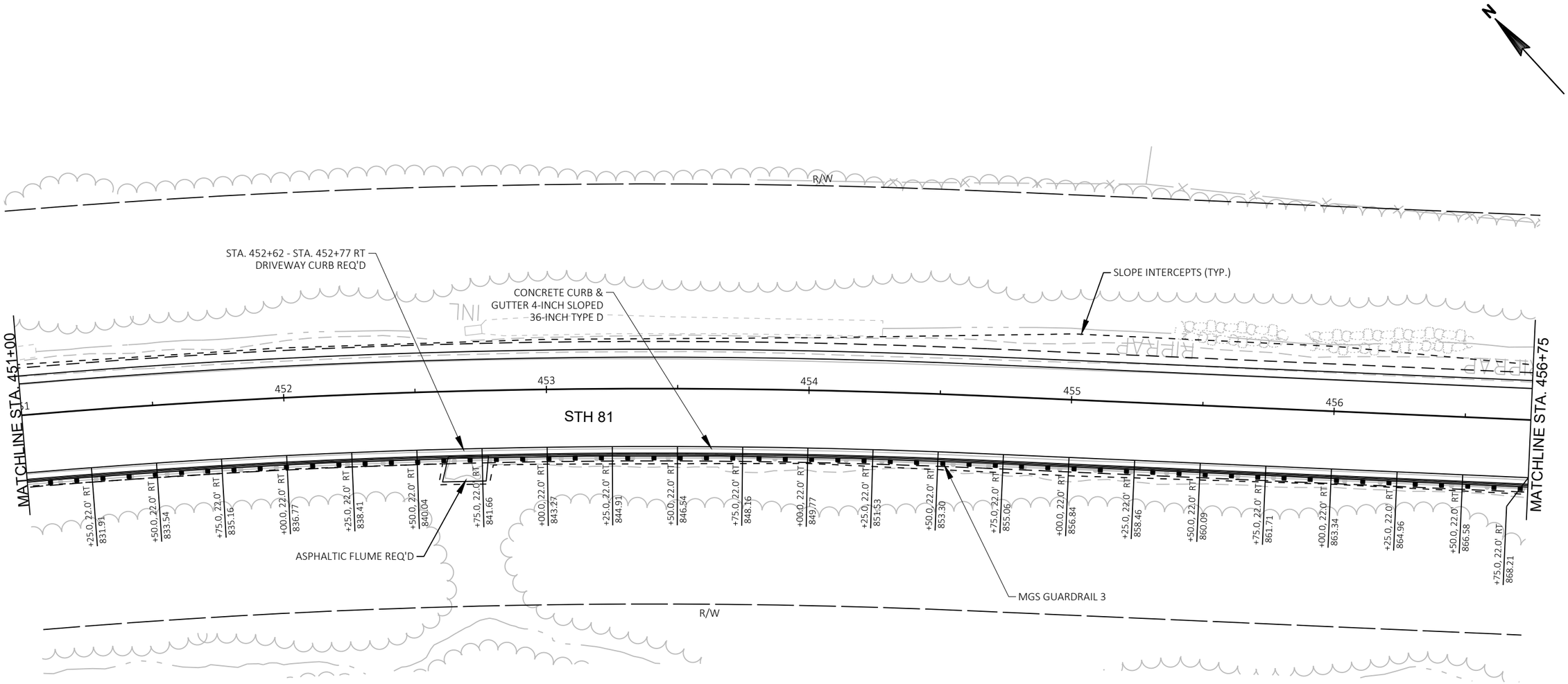


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - STA. 438+83 - STA. 459+69 RT, CURB SECTION	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 10

PLOT DATE : 10/31/2019 1:45 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ############

2

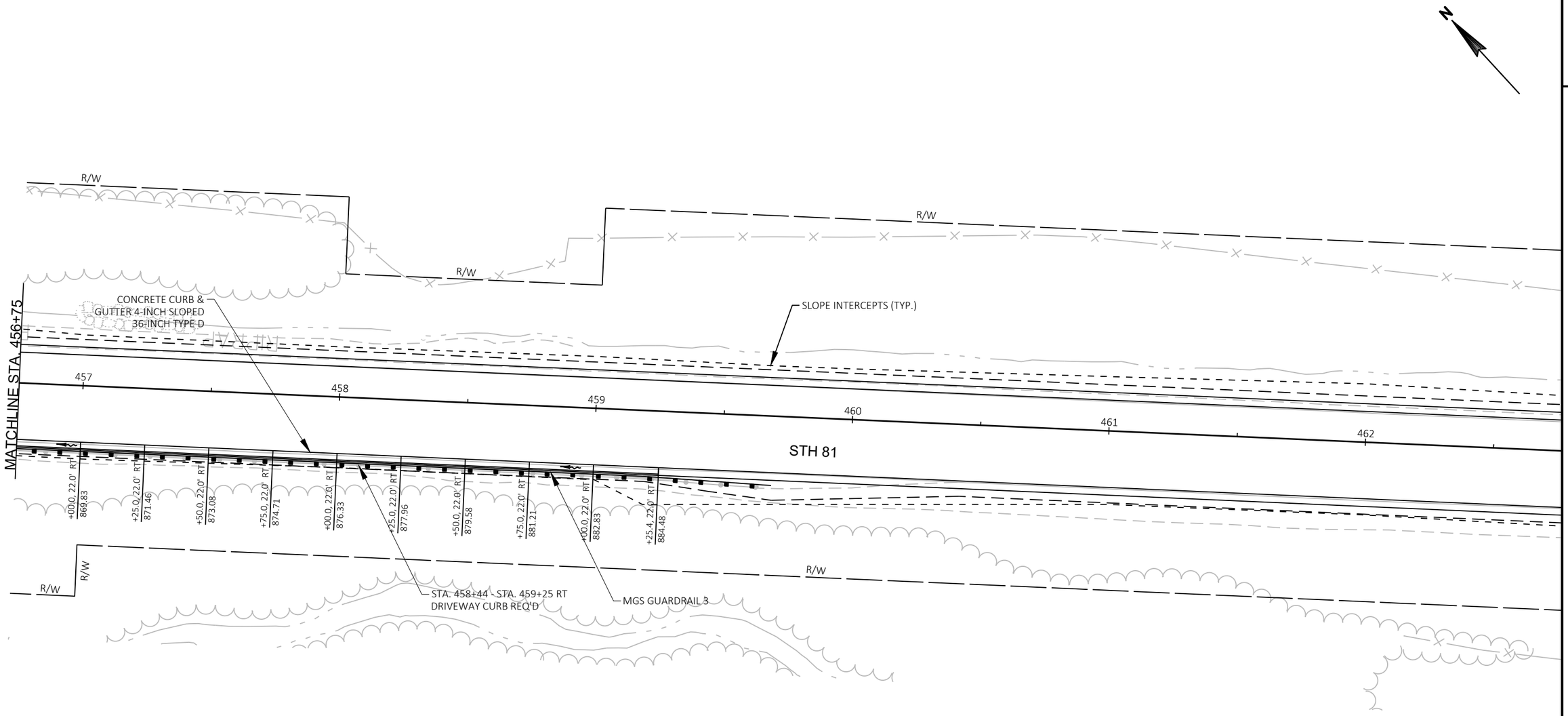


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - STA. 438+83 - STA. 459+69 RT, CURB SECTION	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 11

PLOT DATE : 10/31/2019 1:45 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ############

2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - STA. 438+83 - STA. 459+69 RT, CURB SECTION	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 12

PLOT DATE : 10/31/2019 1:46 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ############

2

N

STA. 465+34.6
2783.0' LEFT

2827.3' R

SLOPE INTERCEPTS (TYP.)

STA. 464+37.3
2916.0' LEFT

2992.1' R

R/W

479

480

481

482

483

484

STH 81

+96.2
27.5' RT

+06.4, 28.2 RT, PC
995.38

+20.7, 33.1 RT
993.87

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

STA 479+81.29 =
STA 10+00.00'PR'

STA. 479+05.9
53.2' RIGHT

25' R

MID RAD.
'PR'+70.6
25.2' RT
994.78

996.28
'PR'+83.6, 15.0' RT

997.11
'PR'+99.9, 11.7' RT, PT

+32.9'PR',
16.7' RT
MATCH
EXISTING

PLATTE RD

STA. 10+83.8'PR'
1.1' LT

11'PR'

22' R

'PR'+37.8, 20.5' LT
996.06

'PR'+50.6, 18.6 LT, PC
995.51

MID RAD.
'PR'+26.6
27.0' LT
996.51

60' R

+80.1'PR',
-22.9' LT

MID RAD.
'PR'+84.5
23.3' LT
996.41

+37.0'PR',
-11.5' LT
MATCH
EXISTING

+89.0'PR',
-22.6' LT

+59.1'PR',
-19.7' LT

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

STA. 480+25.0
88.0' RIGHT

ASPHALTIC FLUME REQ'D

R/W

+08.8, 30.1 RT
996.93

+23.0, PRC
997.31

+50.0, 27.5' RT
998.00

+75.0, 27.0' RT
998.88

+00.0, 26.6' RT
999.33

+25.0, 26.1 RT
999.85

+50.0, 25.7 RT
1000.36

+75.0, 25.2 RT
1000.88

+00.0, 24.6 RT
1001.40

+25.0, 24.2 RT
1001.72

+47.8, PCC
1002.03

+75.0, 23.1' RT
1002.40

+00.0, 22.7' RT
1002.75

+25.0, 22.2' RT
1002.90

+50.0, 21.8' RT
1003.07

+75.0, 21.3' RT
1003.24

+00.0, 20.8' RT
1003.42

+25.0, 20.4' RT
1003.51

+50.0, 19.9 RT, PT
1003.62

R/W

W

A/C

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - PLATTE RD	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 13

PLOT DATE : 11/1/2019 9:04 AM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

PLOT SCALE : ############

2

N

R/W

13'JBW'

12'JBW'

JENTZ BAKER DR WEST

R/W

+21.8'JBW'
-10.5' LT
MATCH
EXISTING

997.95
'JBW'+00.0, 11.3' LT

998.12
'JBW'+75.0, 17.1'LT

11'JBW'

+22.4'JBW',
13.2' RT
MATCH
EXISTING

STA. 517+19.0
88.8' LEFT

998.22
'JBW'+50.0, 29.3' LT

R/W

R/W

997.91
'JBW'+87.6, 12.9' RT

+39.6'JBW'
-36.8' LT

997.93
'JBW'+80.6, 14.3 RT, PC

997.86
'JBW'+65.6, 19.3' RT

27' R

STA. 518+68.7
46.5' LEFT

70' R

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

998.59
'JBW'+32.7, 40.3 LT, PT

MID RAD.
'JBW'+52.8
28.7' RT
998.05

SLOPE INTERCEPTS (TYP.)

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

998.78
'JBW'+19.4, 46.7' LT

+52.6, 24.5' LT
998.15

MID RAD.
'JBW'+07.7
55.7' LT
998.93

+21.3, 18.8 LT, PC
999.00

+69.2, 19.3 LT, PT
998.26

+79.6,
-18.6' LT

+22.6,
-15.0' LT

+80.1,
-15.0' LT

+35.9, 21.0' LT
998.98

516 517 518 519 520 521

STH 81

STA 518+00.00 =
STA 10+00.00'JBW'

612.9' R

R/W

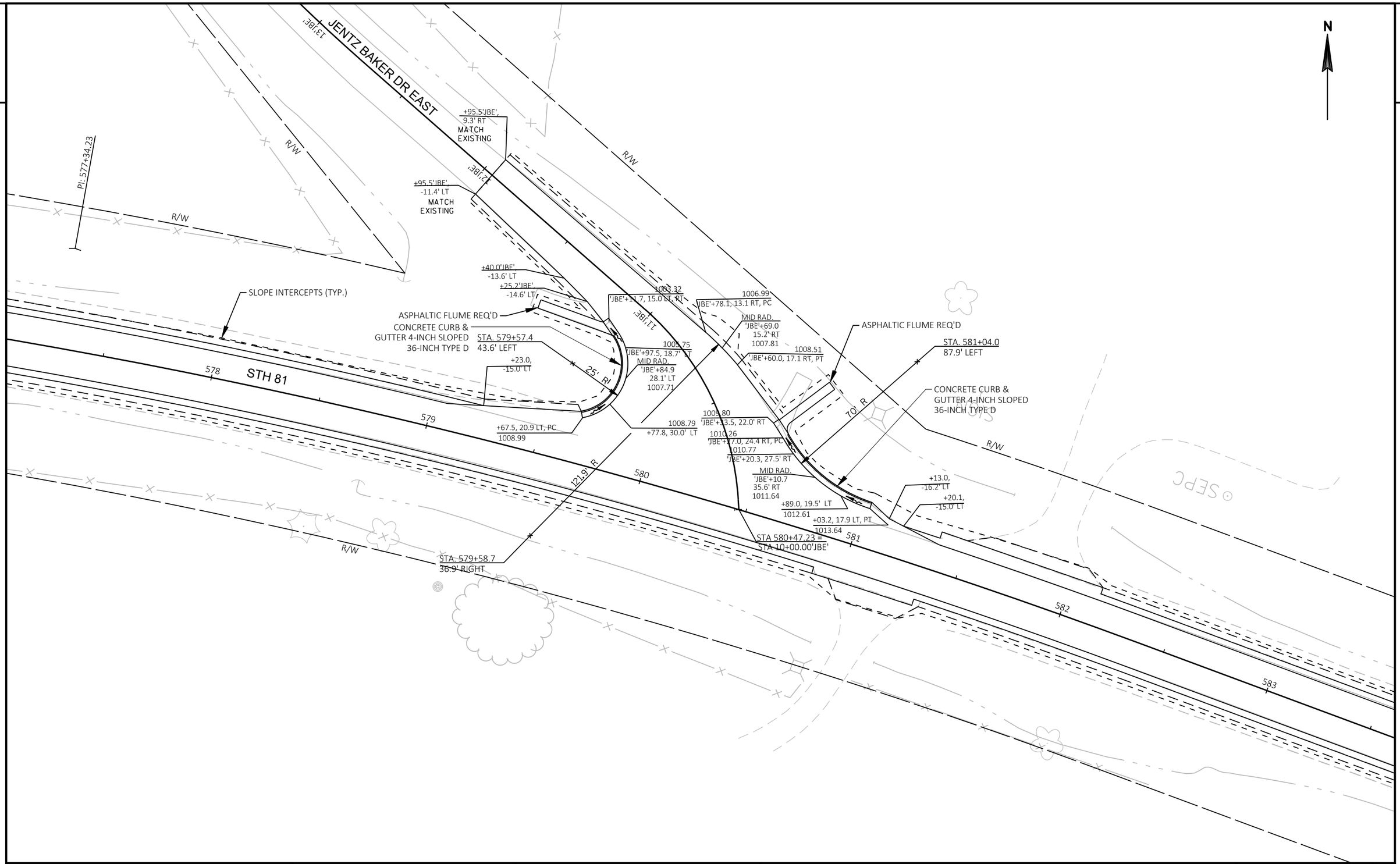
STA. 521+44.9
440.8' RIGHT

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - JENTZ BAKER DR WEST	SHEET	E

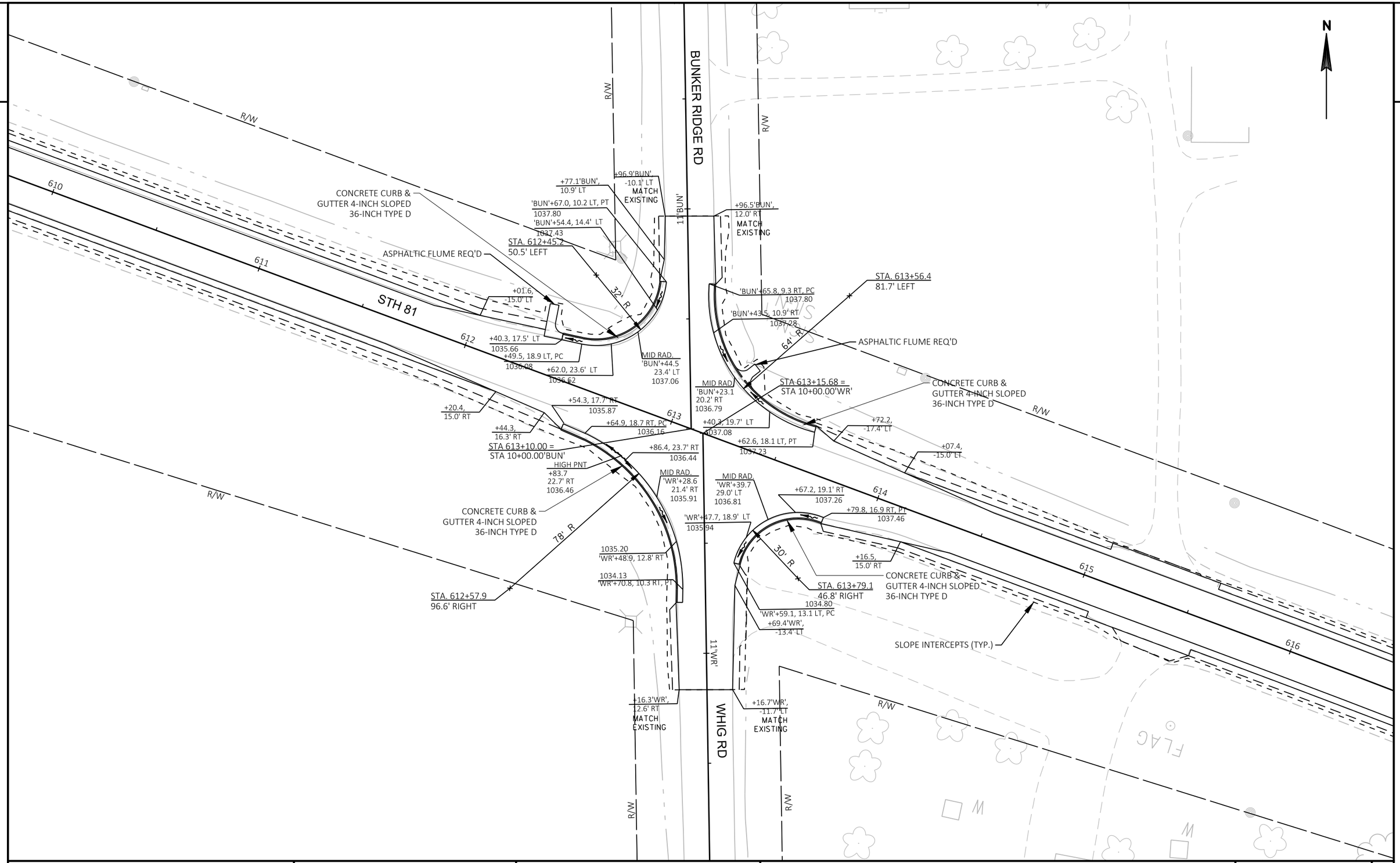
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 14

PLOT DATE : 10/31/2019 1:47 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ############

2

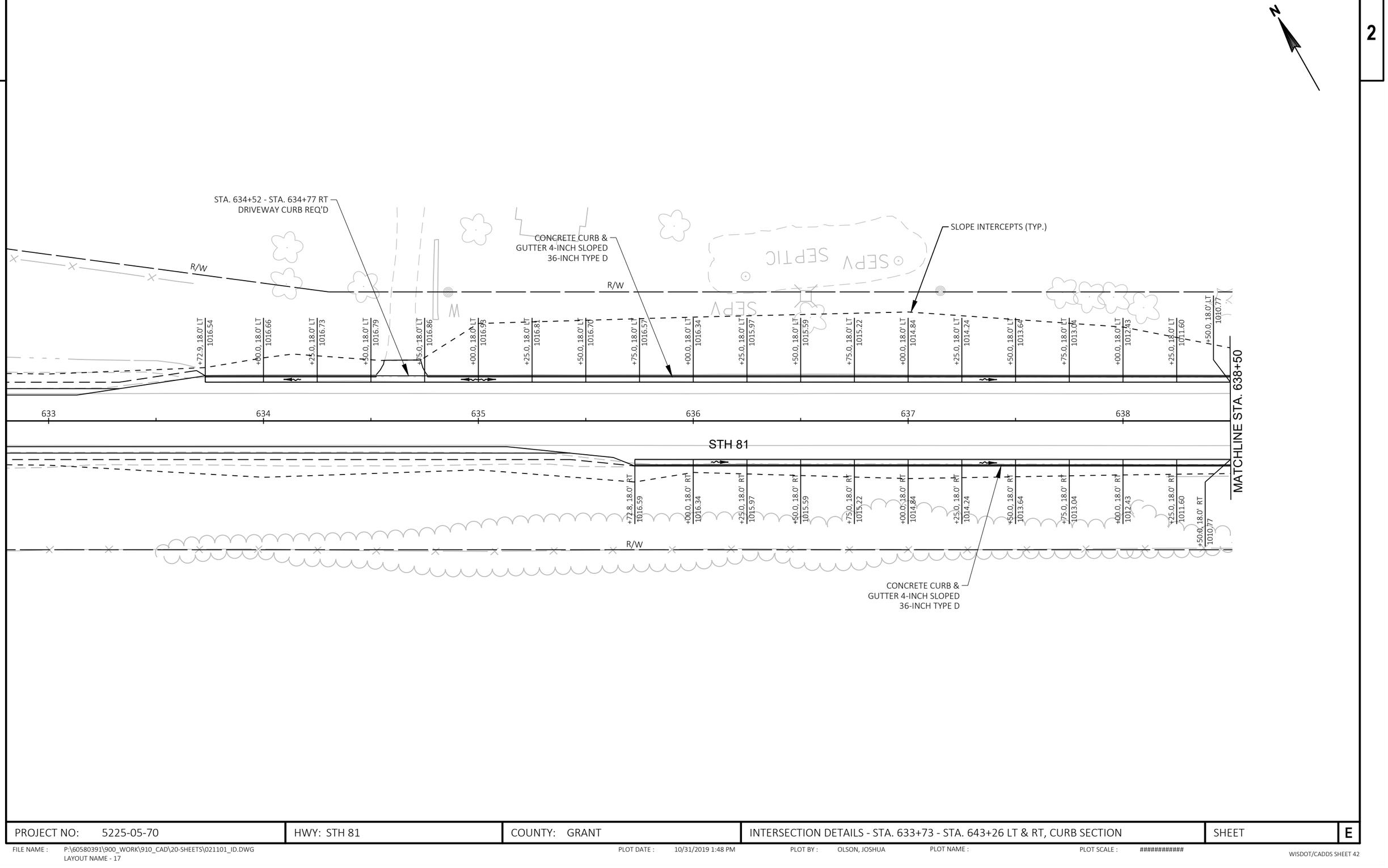


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - JENTZ BAKER DR EAST	SHEET	E



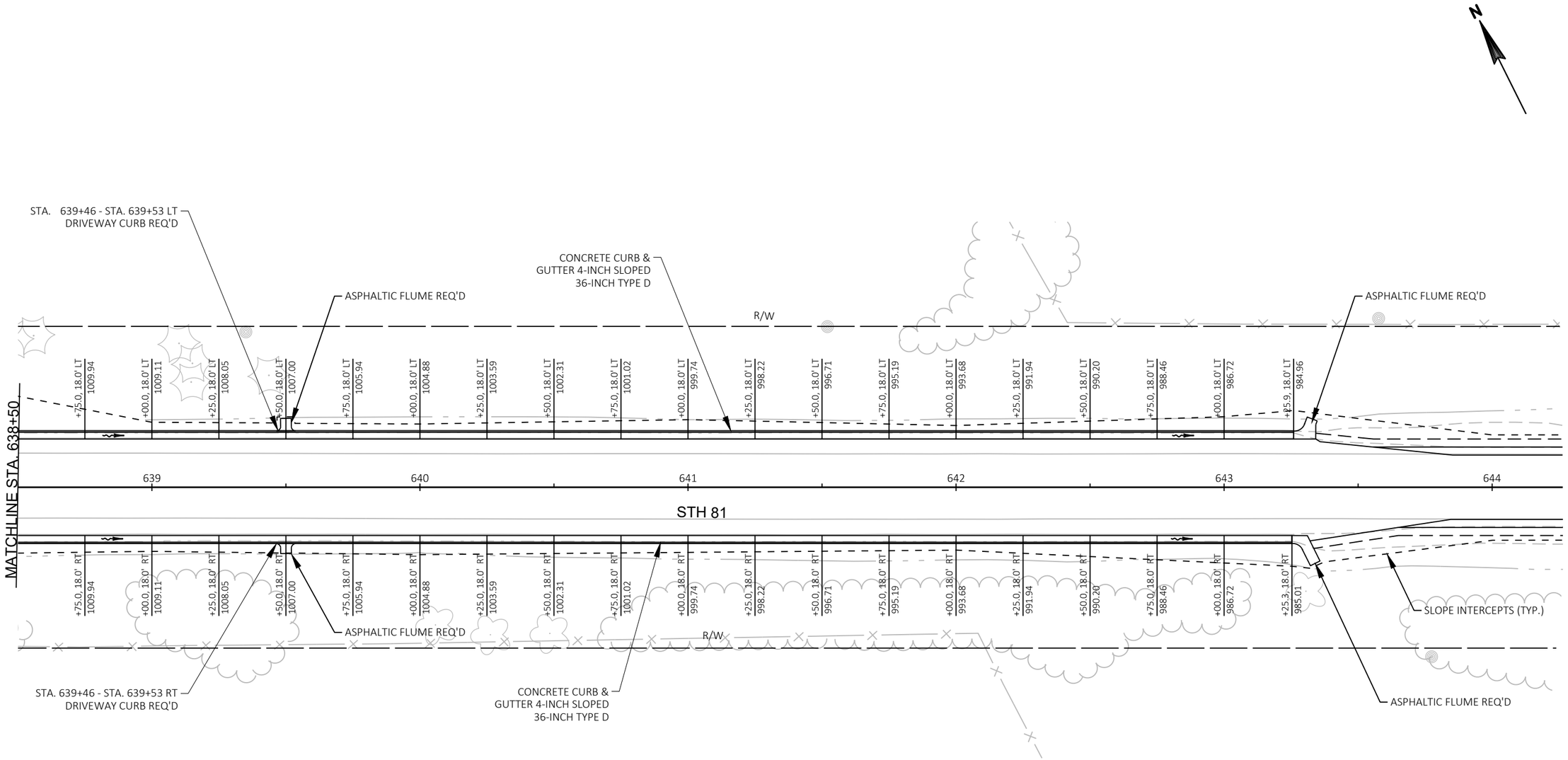
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - BUNKER RIDGE RD AND WHIG RD	SHEET	E

2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - STA. 633+73 - STA. 643+26 LT & RT, CURB SECTION	SHEET	E

2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - STA. 633+73 - STA. 643+26 LT & RT, CURB SECTION	SHEET	E

2

N

BANNER RD

R/W

11'BR'

+94.5'BR', -13.5' LT MATCH EXISTING

+84.1'BR', -13.7' LT

STA. 252+63.3
64.3' LEFT

'BR'+63.9, 10.8 LT, PT
978.32

+66.8'BR', -16.5' LT

'BR'+48.9, 17.3' LT
977.12

48' R

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D

+07.0, -15.0 LT

MID RAD.
'BR'+36.9
28.5' LT
976.04

+47.6, 18.1 LT, PC
974.27

+63.4, 22.6' LT
975.15

669

STH 81

670

STA 670+10.91 =
STA 10+00.00'BR'

671

672

673

674

SLOPE INTERCEPTS (TYP.)

+94.0'BR', 12.4' RT MATCH EXISTING

'BR'+64.3, 10.7 RT, PC
978.98

STA. 670+70.3
77.3' LEFT

'BR'+43.4, 15.7' RT
978.40

60' R

ASPHALTIC FLUME REQ'D

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D

MID RAD.
'BR'+25.6
27.7' RT
978.05

+84.7, -17.4' LT

+20.1, -15.0' LT

+53.2, 19.9' LT
978.37

+74.7, 17.8 LT, PT
979.06

+98.2, 15.0' RT

+36.4, 17.7' RT

+46.8, 18.4 RT, PC
981.73

+61.3, 18.8' RT
982.40

MID RAD.
'OLW'+00.9
58.4' RT
982.83

'OLW'+07.0, 53.8' RT
982.96

'OLW'+19.7, 46.8 RT, PT
983.00

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D

70' R

STA. 671+52.8
88.2' RIGHT

STA 672+35.29 =
STA 10+00.00'OLW'

986.31
+88.2, 23.2' RT

987.41
+02.4, 19.3 RT, PT

+44.0, 15.0' RT

MID RAD.
'OLW'+56.1
24.5' LT
985.03

22.5' R

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D

STA. 673+01.5
41.7' RIGHT

983.80

'OLW'+70.3, 15.1' LT

982.90

'OLW'+87.2, 12.5 LT, PC

11'OLW'

+19.9'OLW', -10.3' LT MATCH EXISTING

+19.9'OLW', 10.1' RT MATCH EXISTING

OLD LANCASTER RD WEST

12'OLW'

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - BANNER RD AND OLD LANCASTER RD WEST	SHEET E

2

2

N

STA. 741+51.1
151.8' RIGHT

746

747

748

749

704.4' R

R/W

ASPHALTIC FLUME REQ'D

STA. 747+52.5
75.4' LEFT

CTH D

12'CTH D'

11'CTH D'

50' R

MID RAD.
'CTH D'+64.8
29.7' LT
928.37

MID RAD.
'CTH D'+22.5
33.6' RT
927.69

+45.5'CTH D'
-13.8' LT
MATCH
EXISTING

+45.5'CTH D',
13.5' RT
MATCH
EXISTING

'CTH D'+13.6, 13.8' LT
929.26

'CTH D'+09.9, 13.8 LT, PT
929.24

'CTH D'+86.0, 17.8' LT
929.03

+51.9, 24.7' LT
926.63

+60.3, 26.2 LT, PC
926.92

+80.8, 35.3' LT
927.68

929.34
'CTH D'+25.0, 14.3' RT

929.05
'CTH D'+00.0, 16.8' RT

928.67
'CTH D'+75.0, 21.1' RT

927.80
CTH D'+47.6, 23.5 RT, PC

927.75
'CTH D'+34.4, 26.8' RT

927.63
+78.5, 26.3' LT

927.58
+91.8, 24.1 LT, PT

927.53
+20.6, 23.9' LT

927.41
+49.4, 24.1' LT

ASPHALTIC FLUME REQ'D

STA 748+42.50 =
STA 10+00.00'CTH D'

STA. 748+93.1
74.1' LEFT

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

SLOPE INTERCEPTS (TYP.)

STH 81

MATCHLINE STA. 750+00

+31.0, 15.0' RT

+64.2, 17.9' RT

+44.3, 18.6' RT
920.06

+00.0, 19.2' RT
920.75

+25.0, 21.0' RT
921.30

+50.0, 22.0' RT
921.85

+75.0, 22.8' RT
922.38

+00.0, 23.5' RT
922.89

+25.0, 24.0' RT
923.35

+50.0, 24.4' RT
923.58

+75.0, 24.6' RT
923.91

+00.0, 24.7' RT
924.22

+25.0, 24.1' RT
924.44

+50.0, 24.5' RT
924.56

+75.0, 24.6' RT
924.62

+00.0, 24.5' RT
924.67

+25.0, 24.3' RT
924.92

+50.0, 24.0' RT
924.77

+75.0, 23.5' RT
924.61

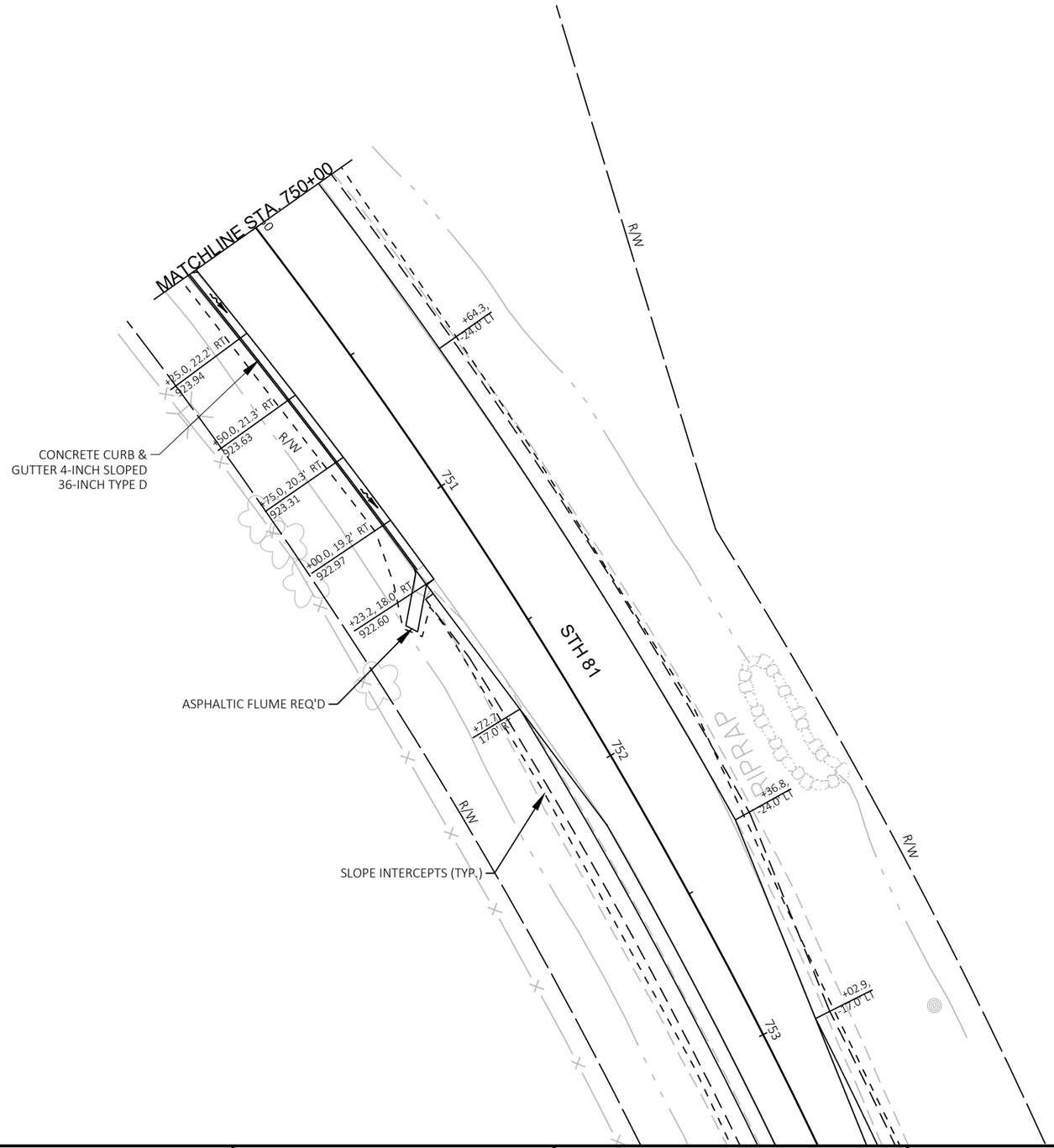
+00.0, 22.9' RT
924.23

+75.8
15.0' LT

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - CTH D	SHEET	E

2

N



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - STA. 745+75 - STA. 751+24 RT, CURB SECTION	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 21
PLOT DATE : 10/31/2019 1:51 PM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 42

2

2

N

R/W

R/W

RIPRAP

755

756

757

758

759

760

761

STH 81

RIPRAP

+48.8, 17.0' RT
910.51

+75.0, 17.0' RT
909.47

+00.0, 19.5' RT
908.68

+25.0, 17.0' RT
907.35

+50.0, 17.0' RT
906.23

R/W

+75.0, 17.0' RT
905.11

+00.0, 17.0' RT
903.99

+25.0, 17.0' RT
902.77

+50.0, 17.0' RT
901.54

+68.3, 17.0' RT
900.74

SLOPE INTERCEPTS (TYP.)

R/W

R/W

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

STA. 757+90 - STA. 758+22 RT
DRIVEWAY CURB REQ'D

ASPHALTIC FLUME REQ'D

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - STA. 756+49 - STA. 758+75 RT, CURB SECTION	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 22

PLOT DATE : 10/31/2019 1:51 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ############

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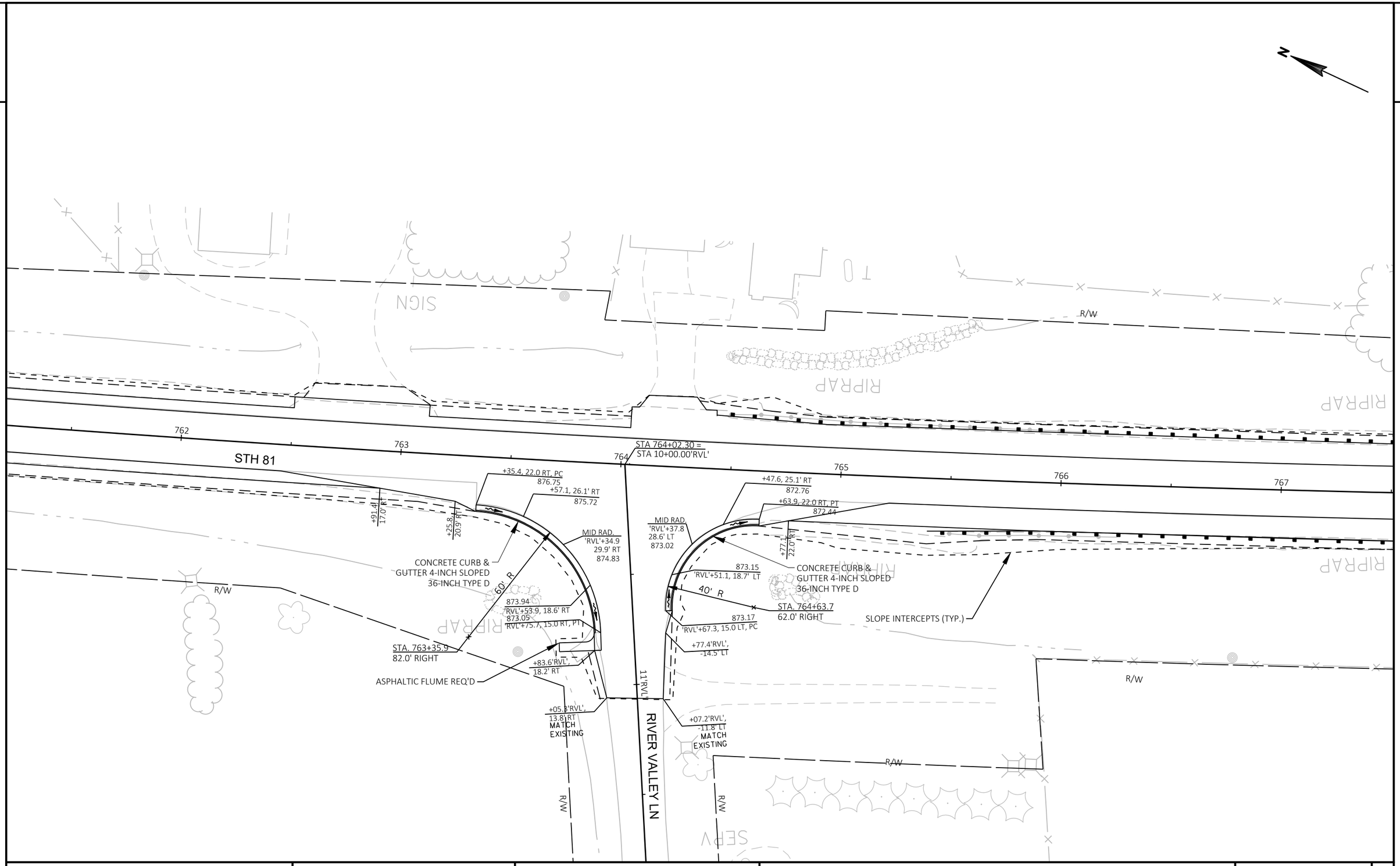
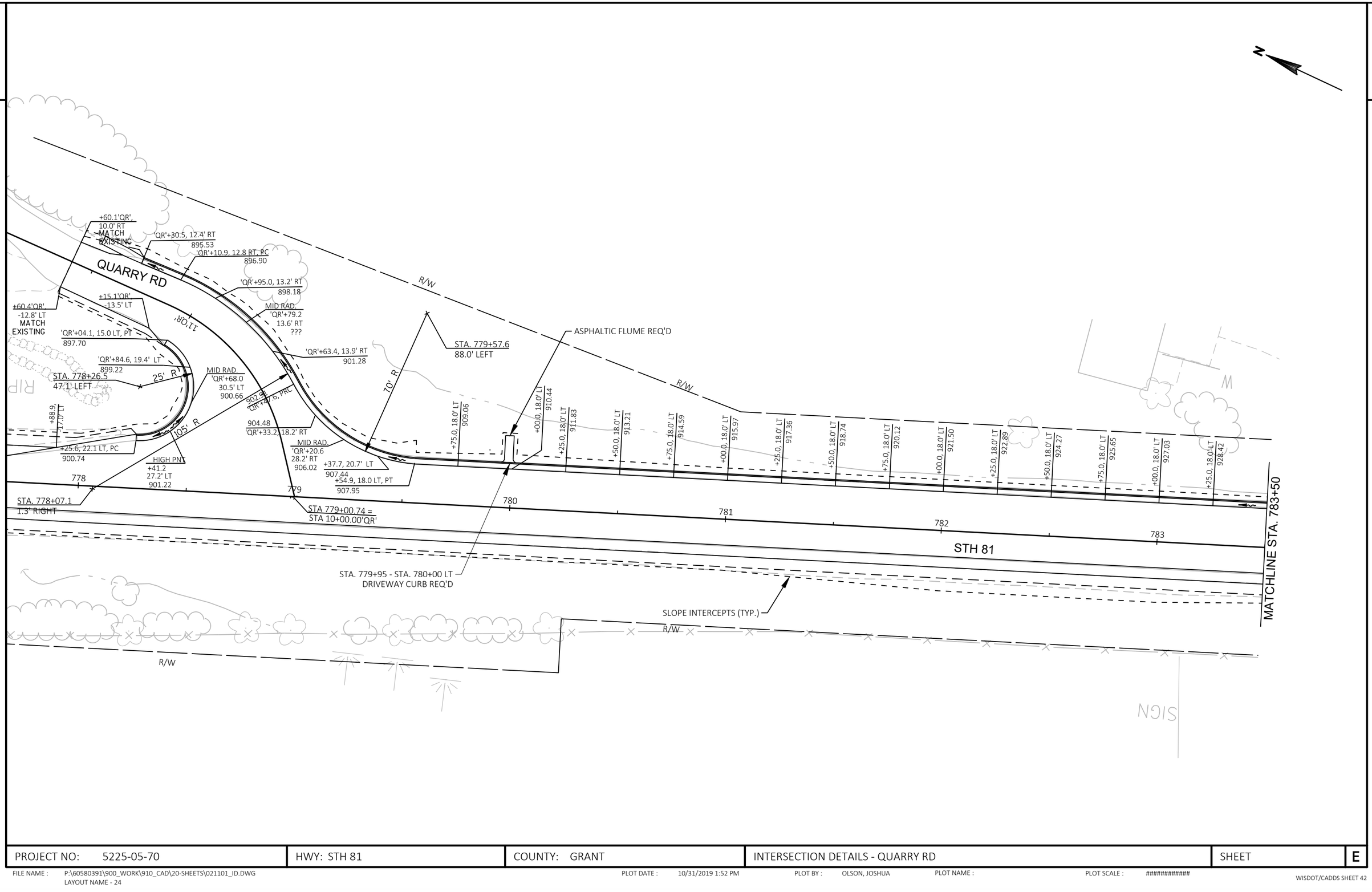


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - RIVER VALLEY LN	SHEET	E

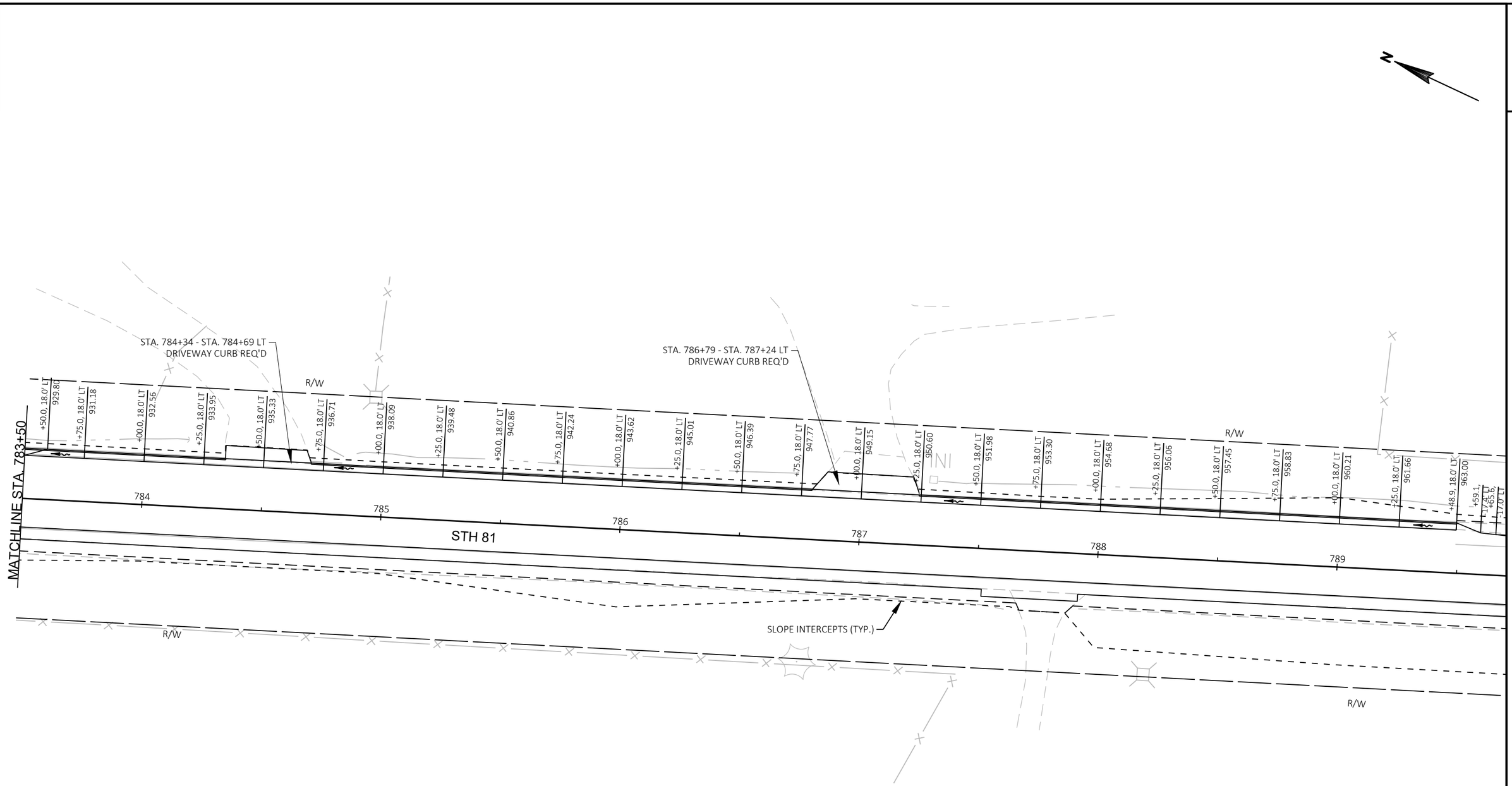
2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - QUARRY RD	SHEET	E

2

2



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - QUARRY RD	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 25
PLOT DATE : 10/31/2019 1:53 PM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 42

2

2

STH 81

OLD LANCASTER RD EAST

794

795

796

797

798

799

R/W

SIGN

SEPC

SEPV

STA 796+93.29 =
STA 10+00.00'OLE'

+07.2, 16.9' RT
997.86

+15.1, 17.7 RT, PC
998.04

+31.7, 23.2' RT
998.44

MID RAD.
'OLE'+60.0
30.2' RT
998.70

+07.2,
17.0' RT

30' R

STA. 796+15.1
47.7' RIGHT
998.73

OLE'+75.7, 19.2' RT
998.68

OLE'+94.8, 16.4 RT, PT

P.I. 794+50.16

SLOPE INTERCEPTS (TYP.)

R/W

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

+33.3'OLE',
14.0' RT

MATCH
EXISTING

+33.3'OLE',
-11.5' LT

MATCH
EXISTING

12'OLE'

11'OLE'

+44.9, 18.4' RT
1001.47

+57.3, 17.4 RT, PT
1001.84

MID RAD.
'OLE'+05.7
45.4' LT
1001.07

'OLE'+14.5, 36.9' LT
1000.61

'OLE'+23.6, 30.4 LT, PC
1000.13

70' R

CONCRETE CURB &
GUTTER 4-INCH SLOPED
36-INCH TYPE D

STA. 797+57.0
87.4' RIGHT

+77.5'OLE',
-13.0' LT

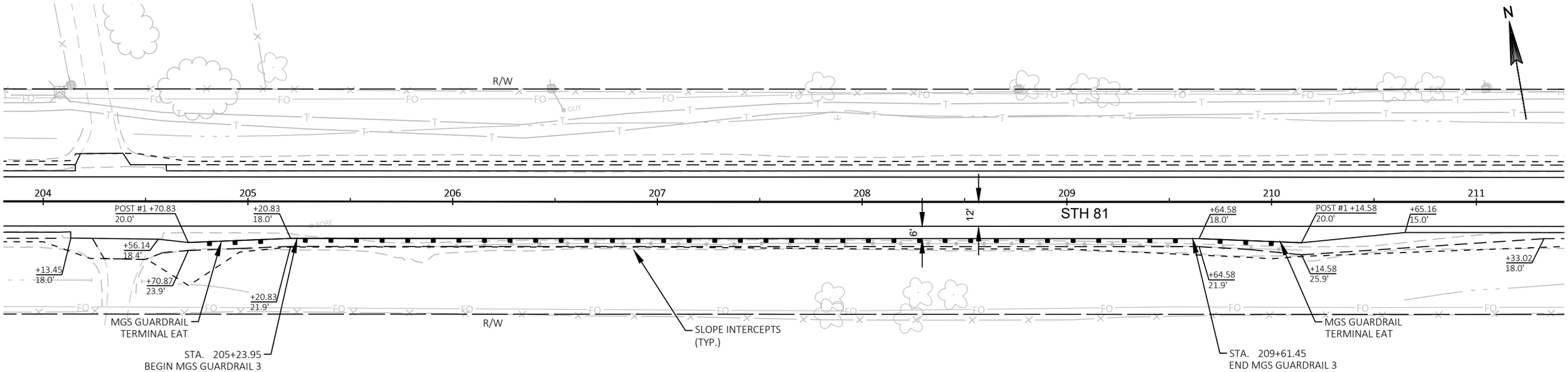
HIGH PNT
'OLE'+69.3
22.4' RT
998.74

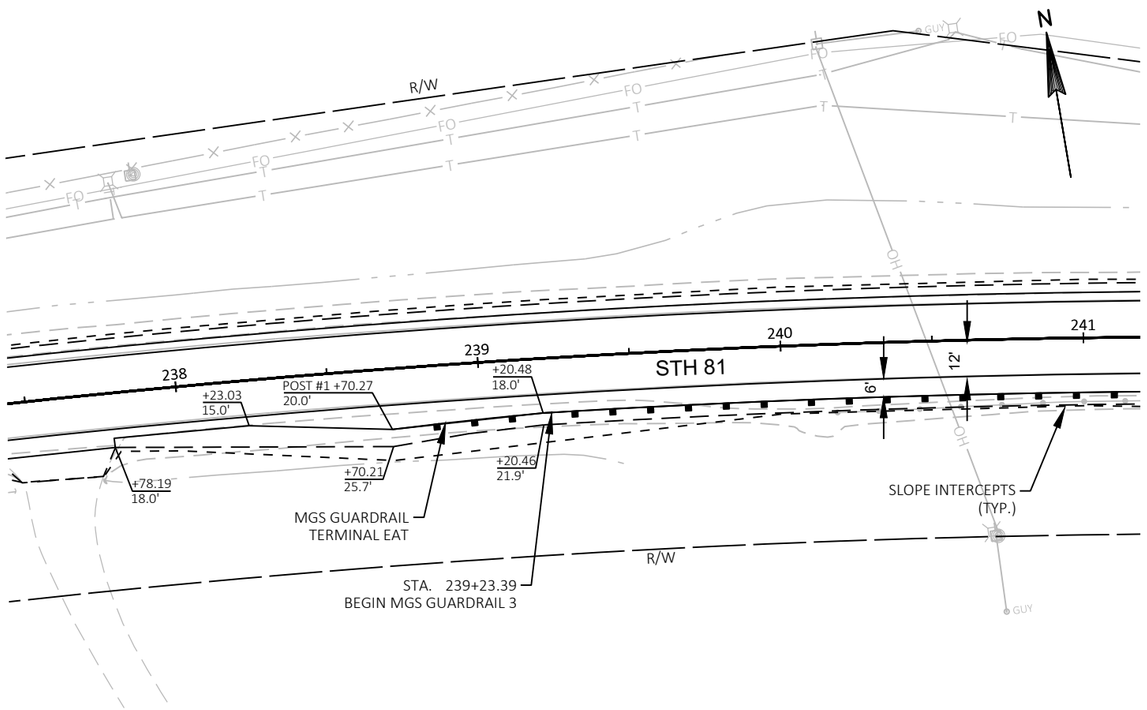
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	INTERSECTION DETAILS - OLD LANCASTER RD EAST	SHEET	E

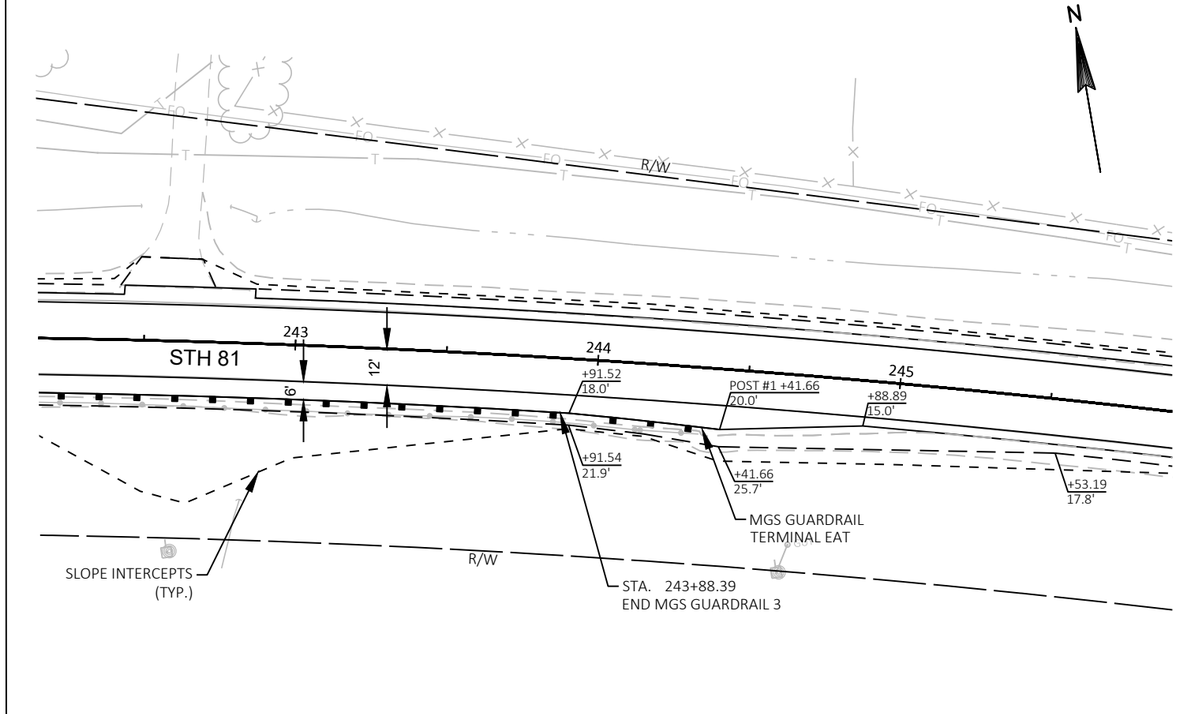
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021101_ID.DWG
LAYOUT NAME - 26

PLOT DATE : 10/31/2019 1:53 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

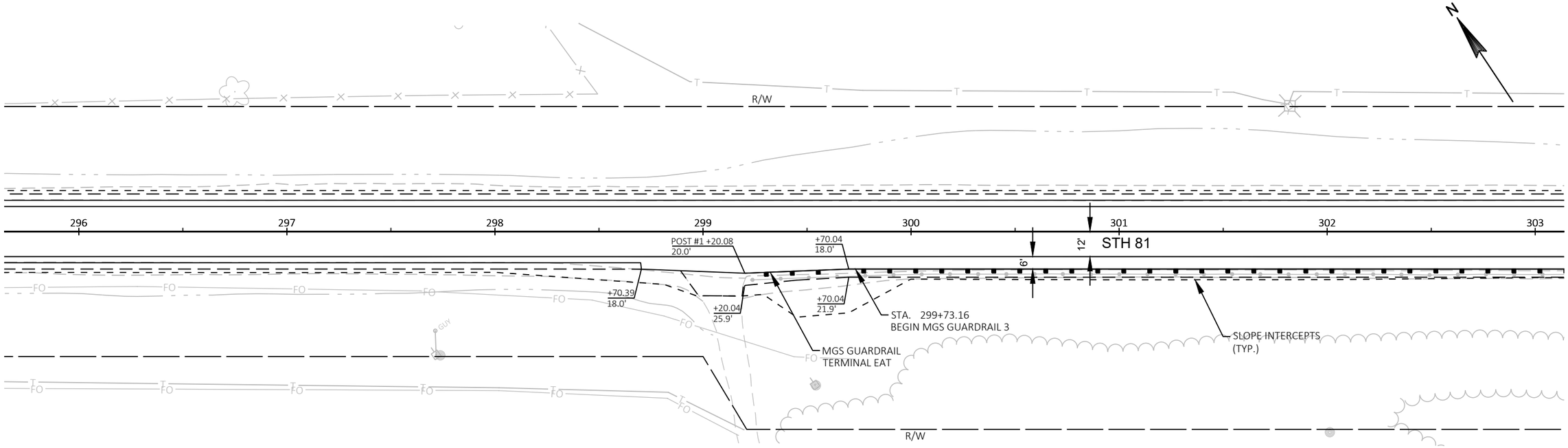


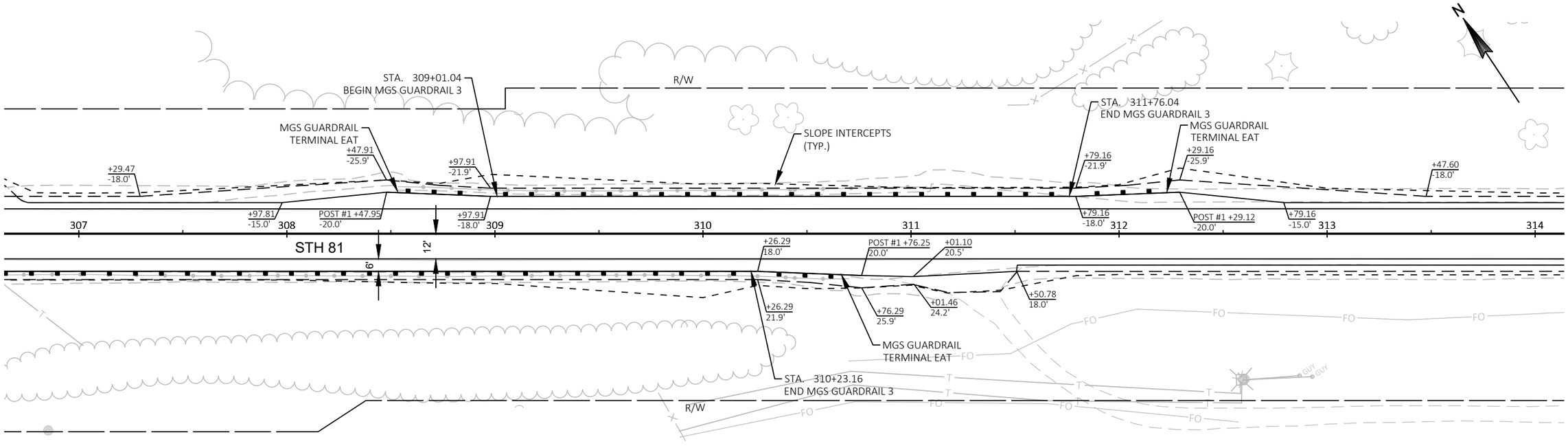




PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - GUARDRAIL LAYOUT	SHEET	E

2

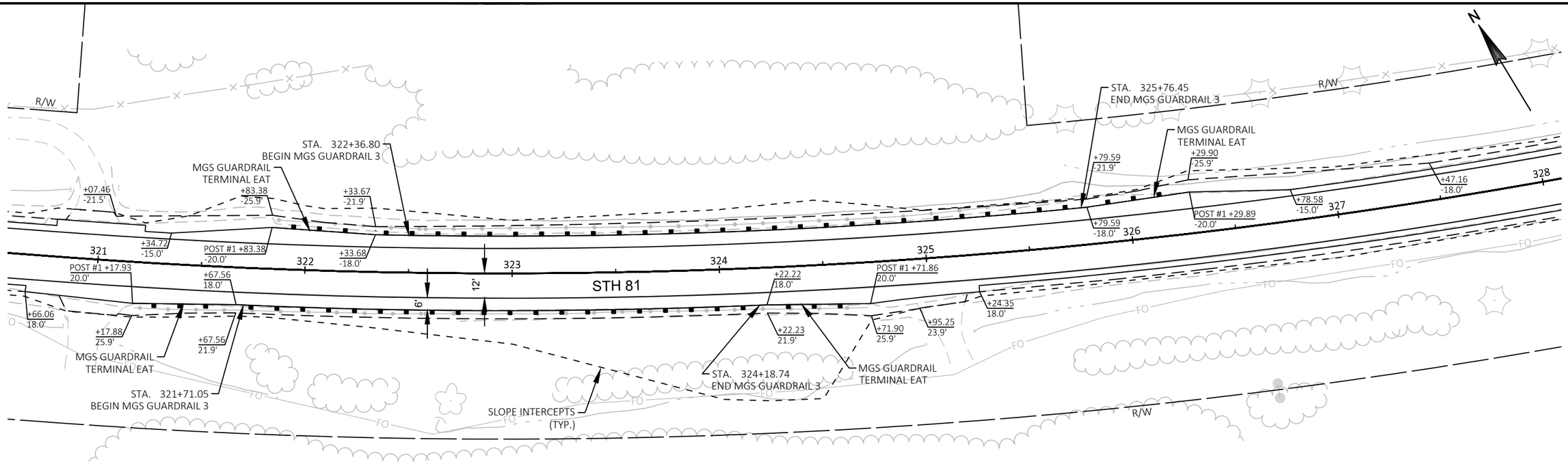




PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - GUARDRAIL LAYOUT	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021201_PD.DWG
LAYOUT NAME - 02

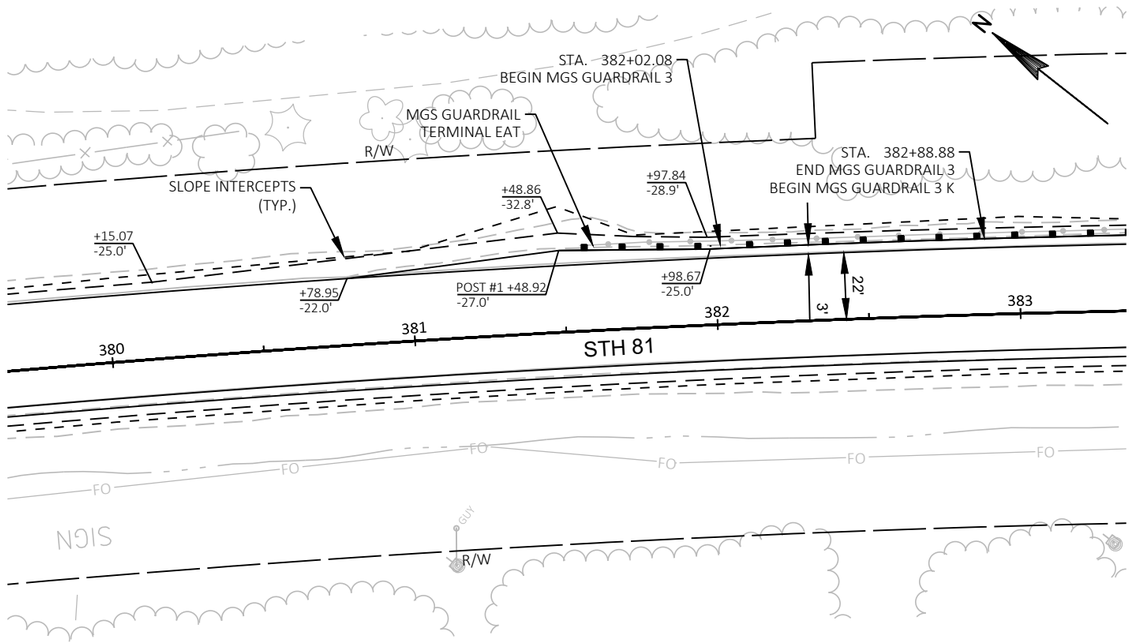
PLOT DATE : 10/31/2019 1:24 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ############

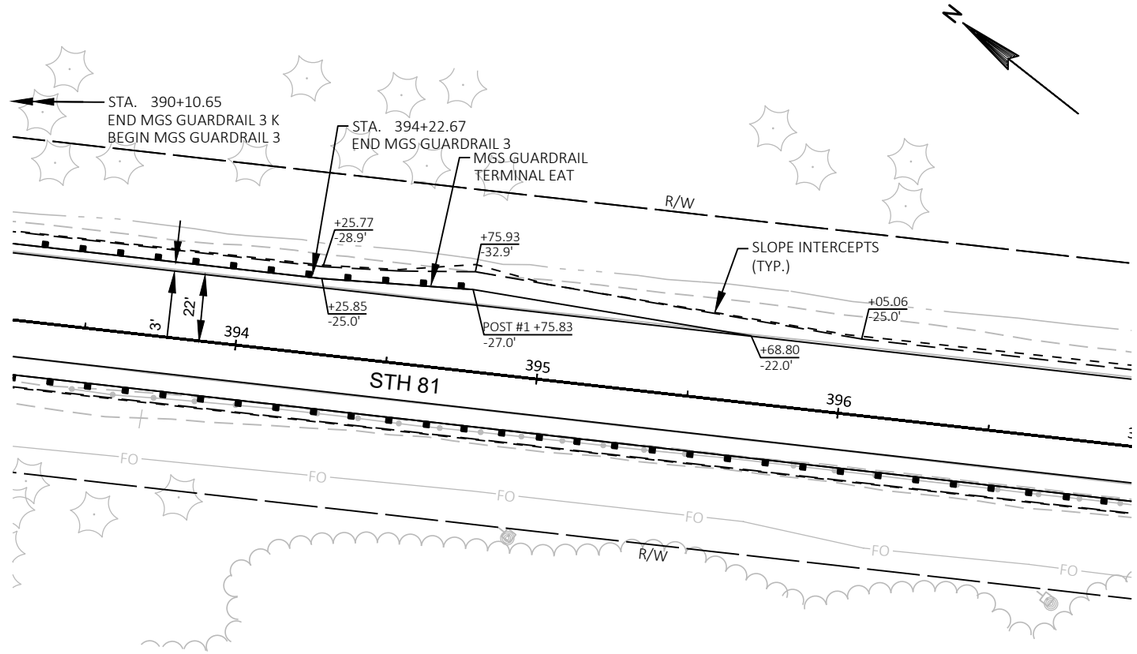


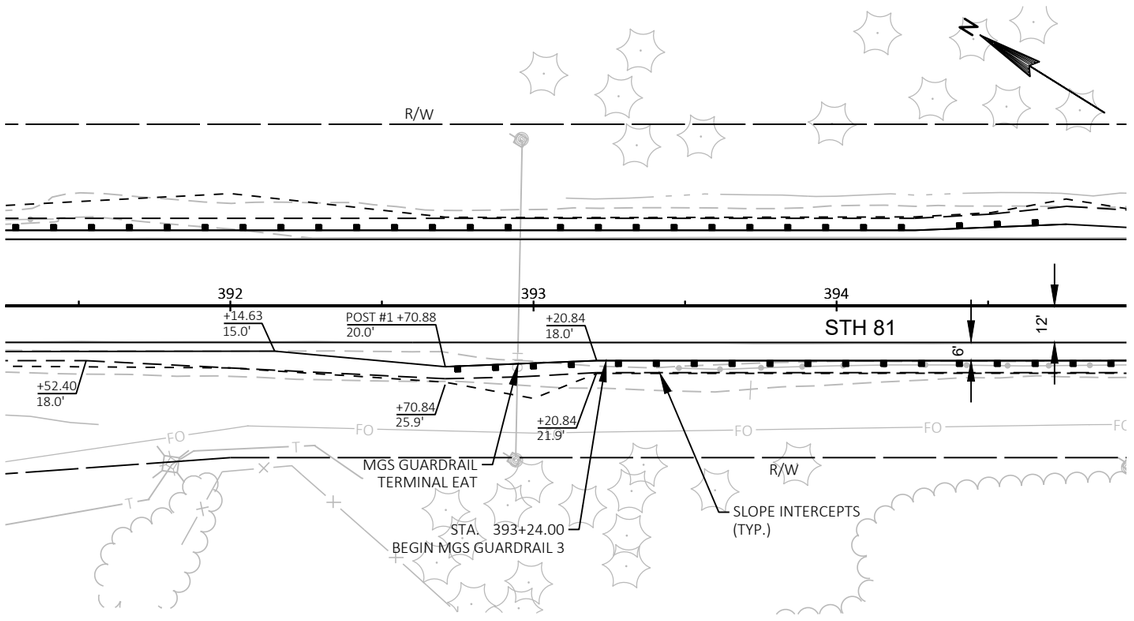
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - GUARDRAIL LAYOUT	SHEET	E

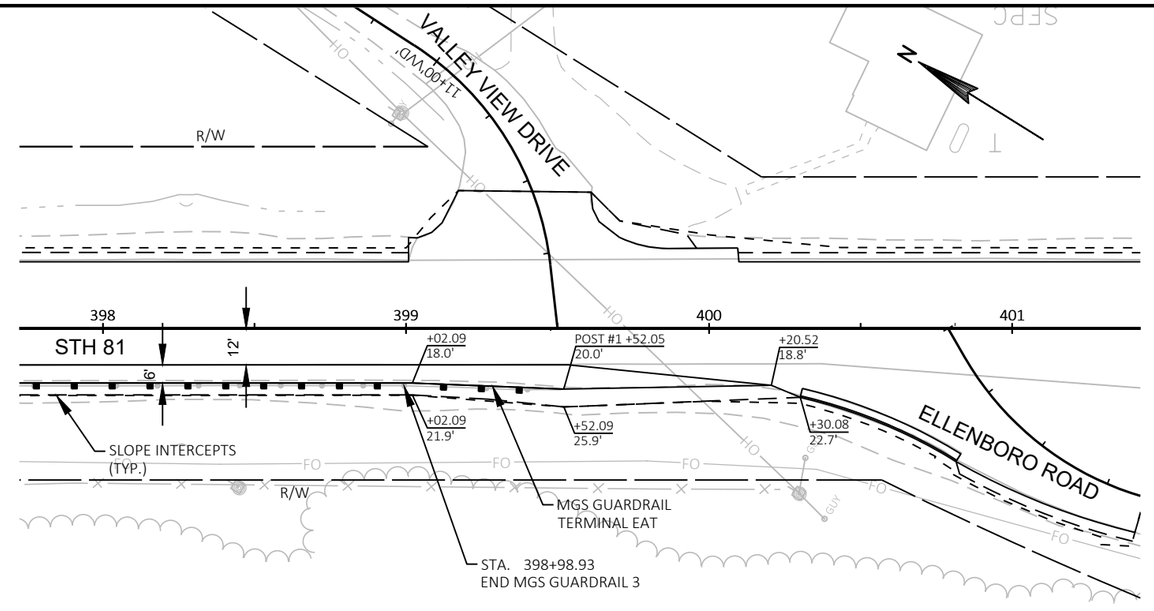
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021201_PD.DWG
LAYOUT NAME - 03

PLOT DATE : 10/31/2019 1:25 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : ##########



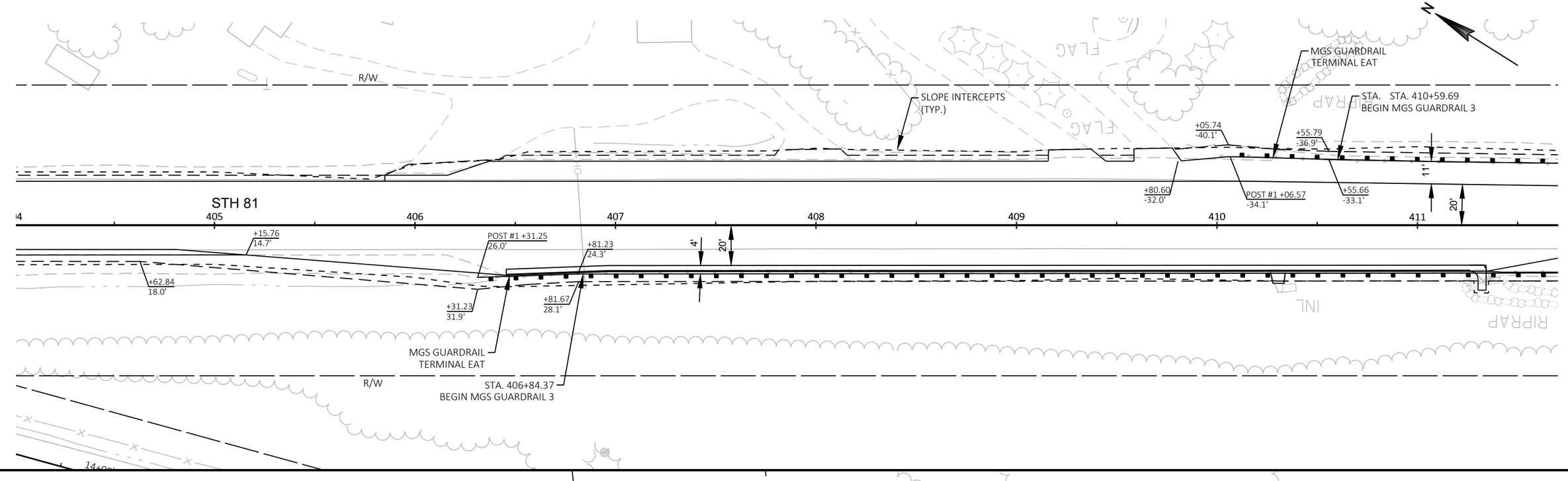


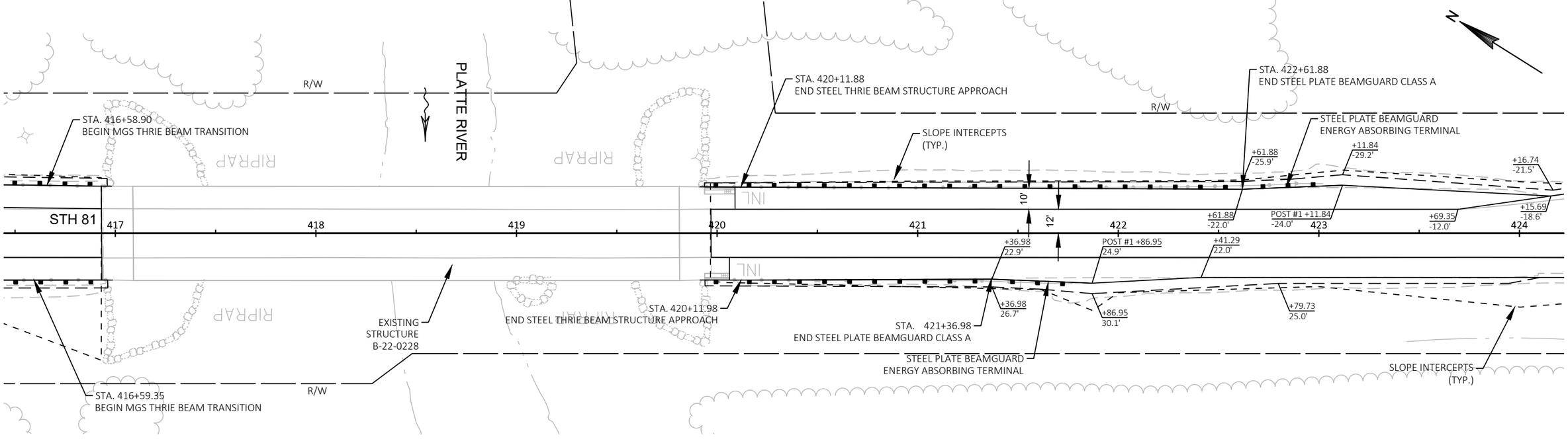




PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - GUARDRAIL LAYOUT	SHEET	E

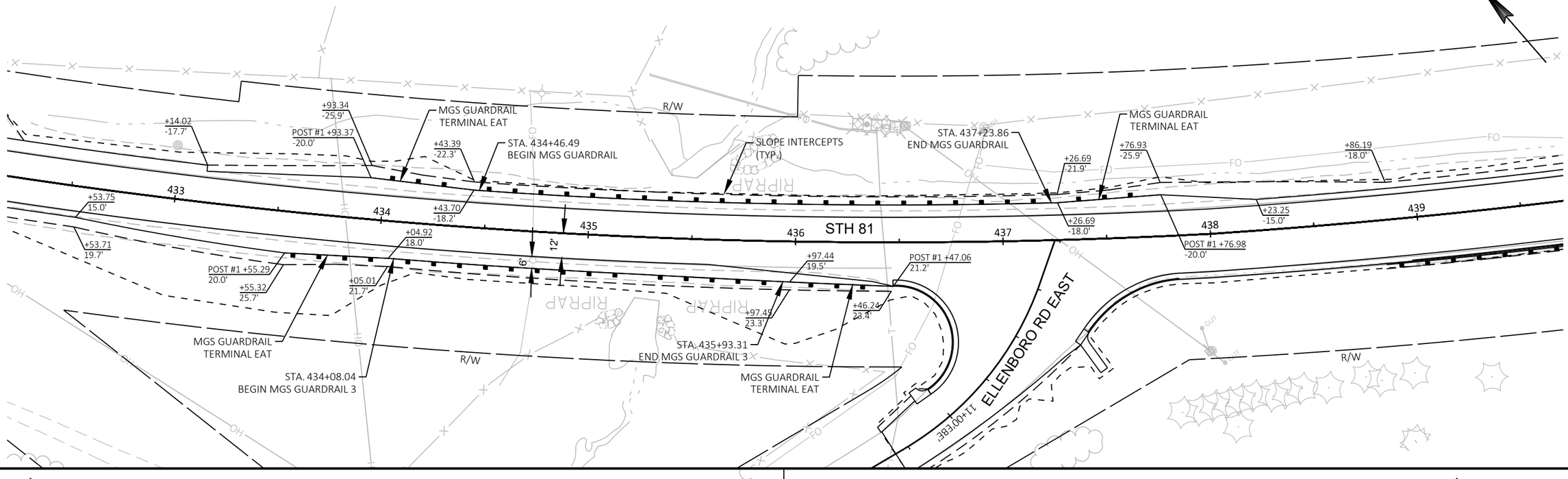
2

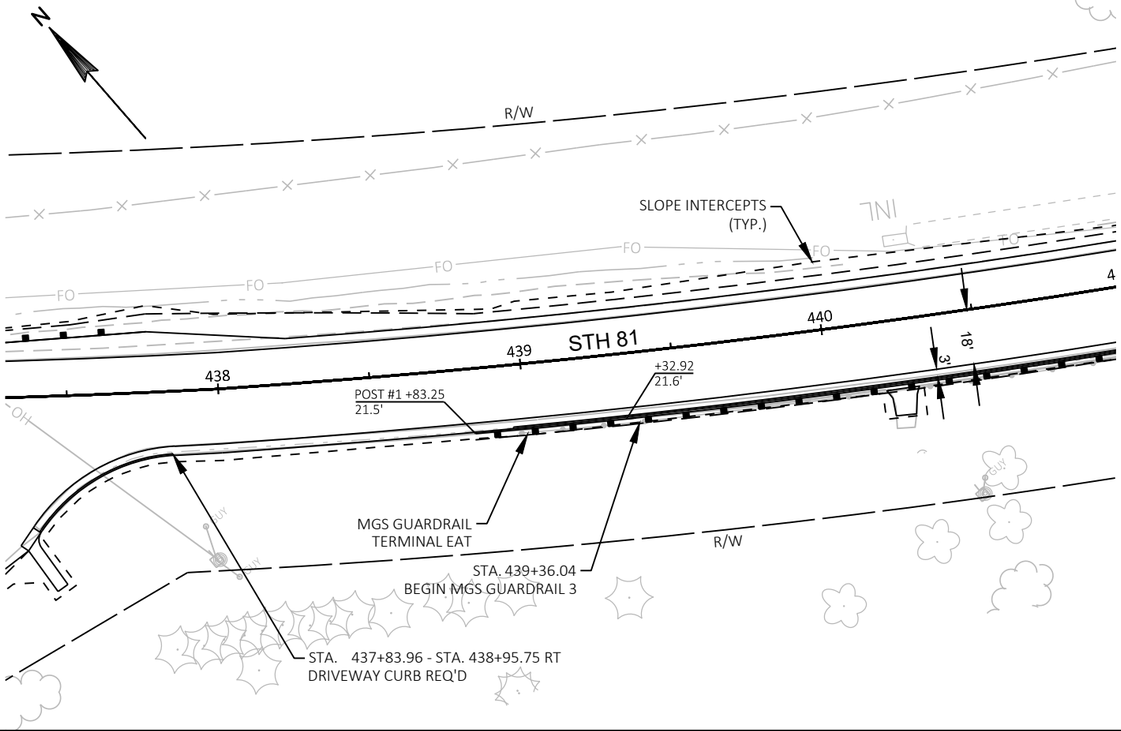


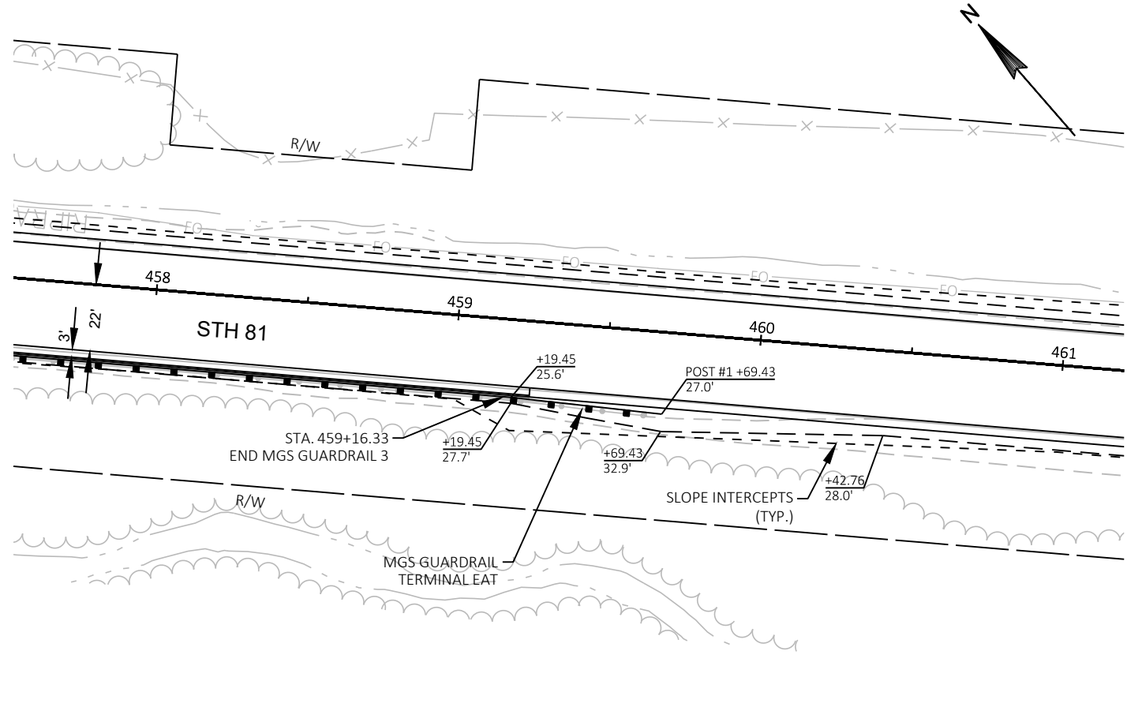


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - GUARDRAIL LAYOUT	SHEET	E

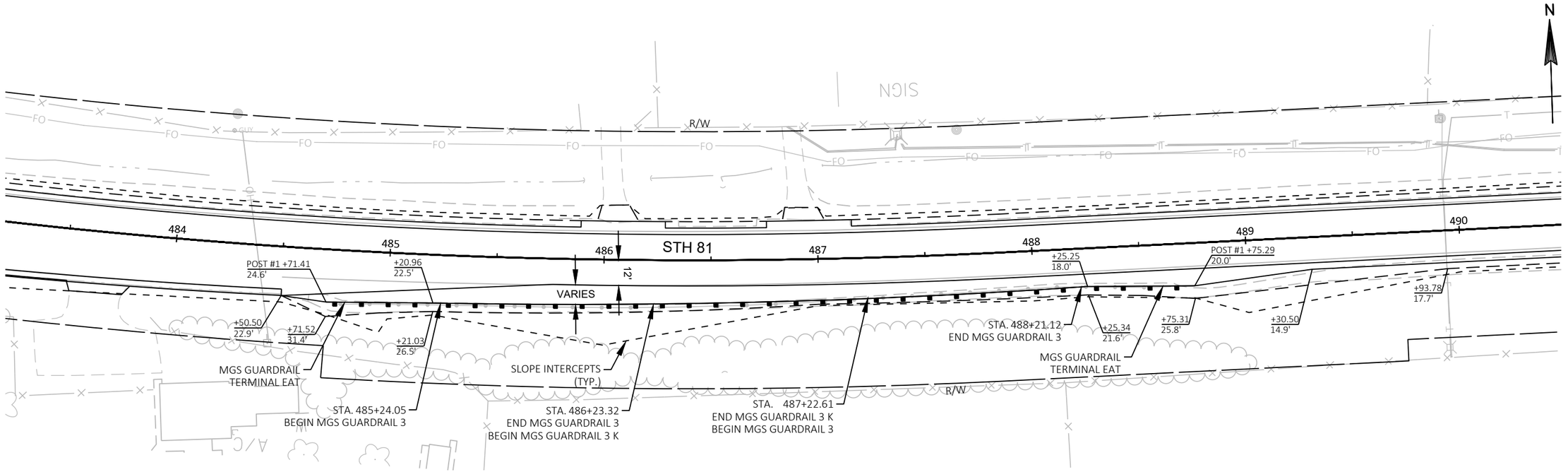
2

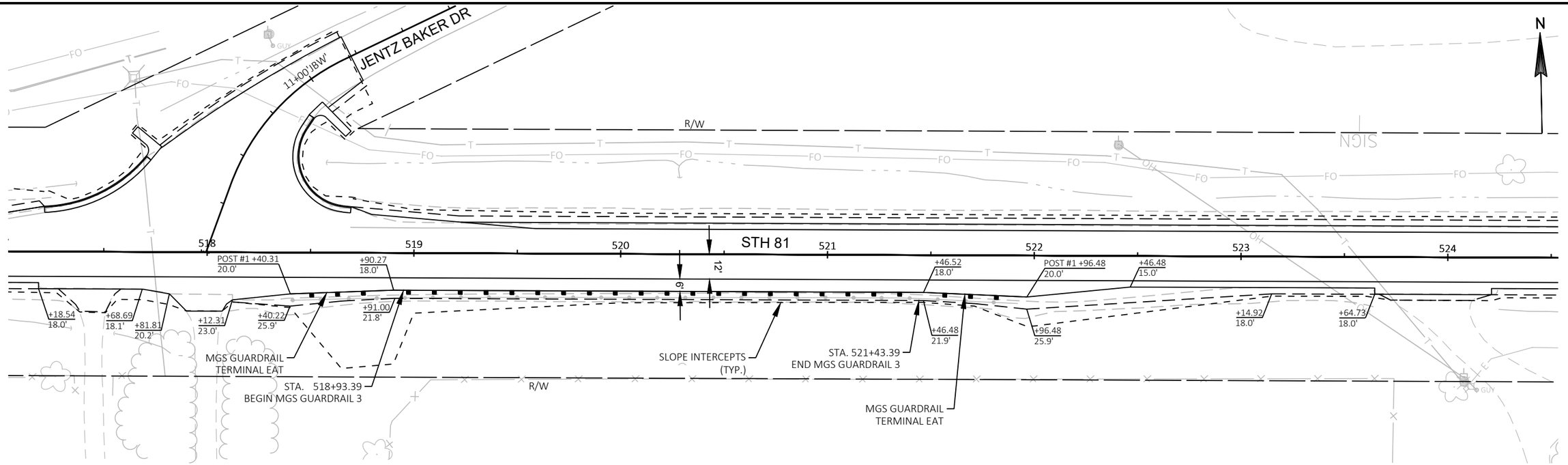




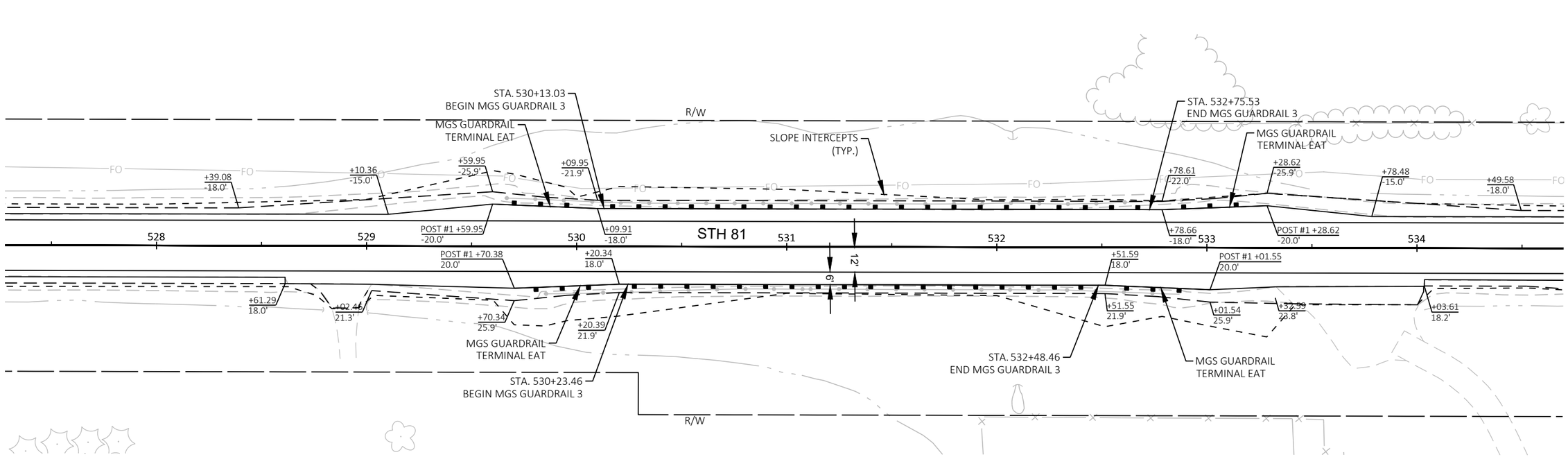


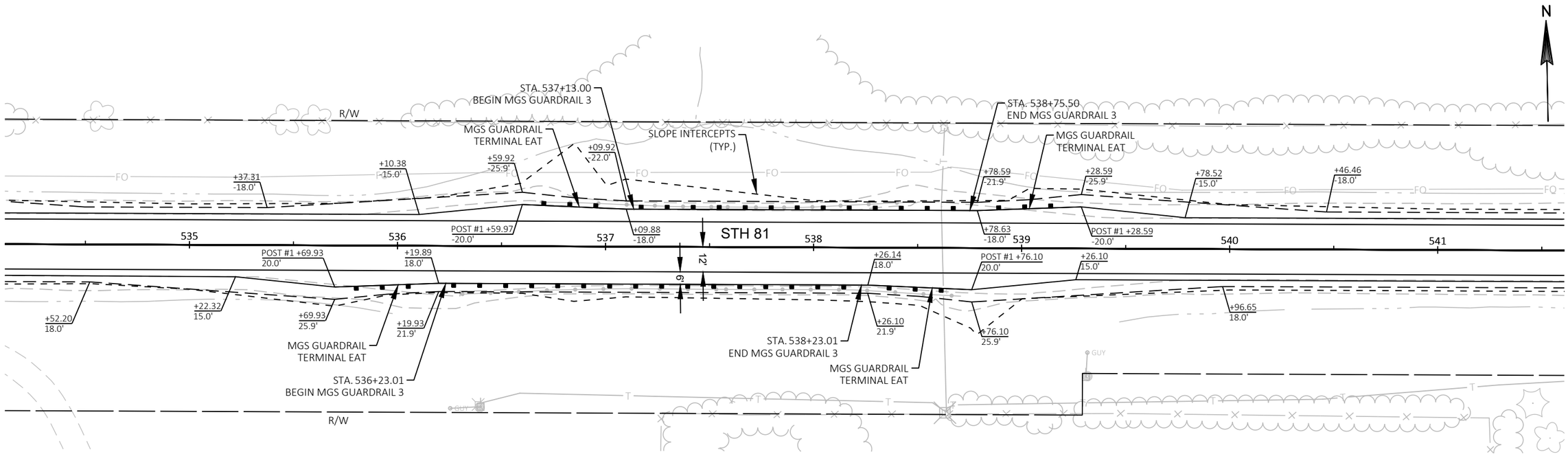
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - GUARDRAIL LAYOUT	SHEET	E



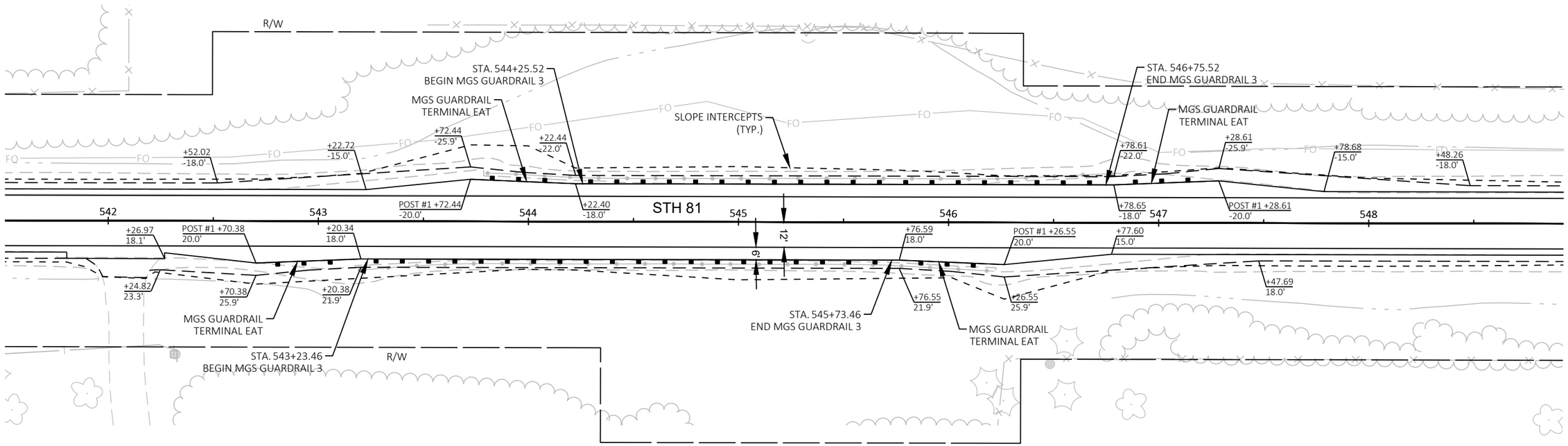


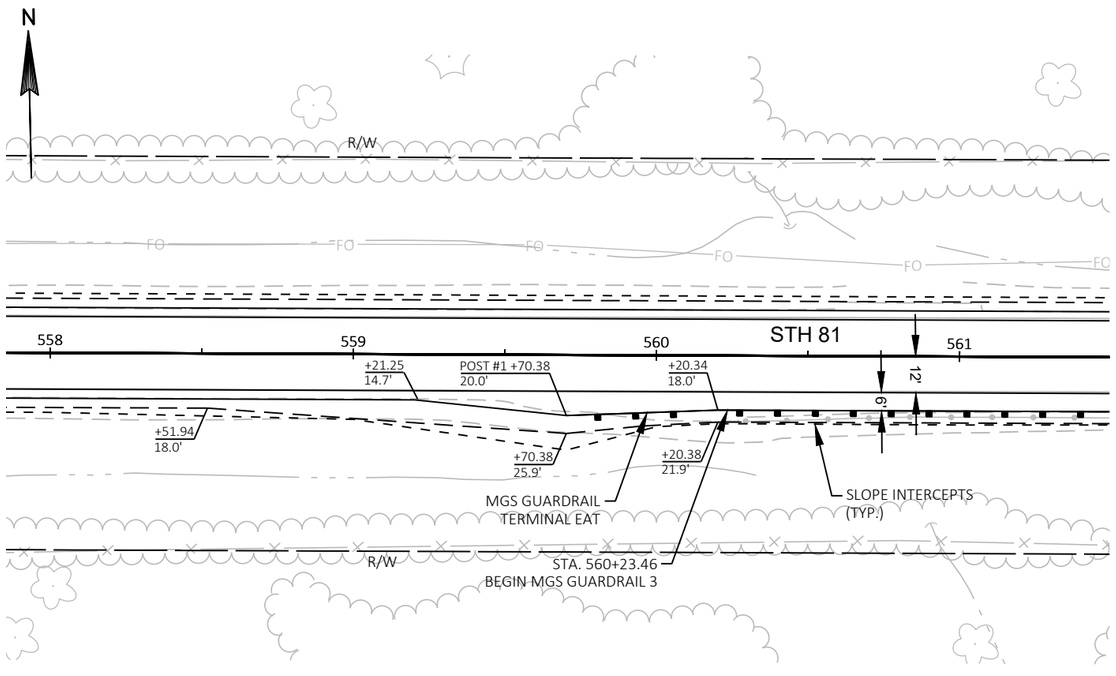
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - GUARDRAIL LAYOUT	SHEET	E

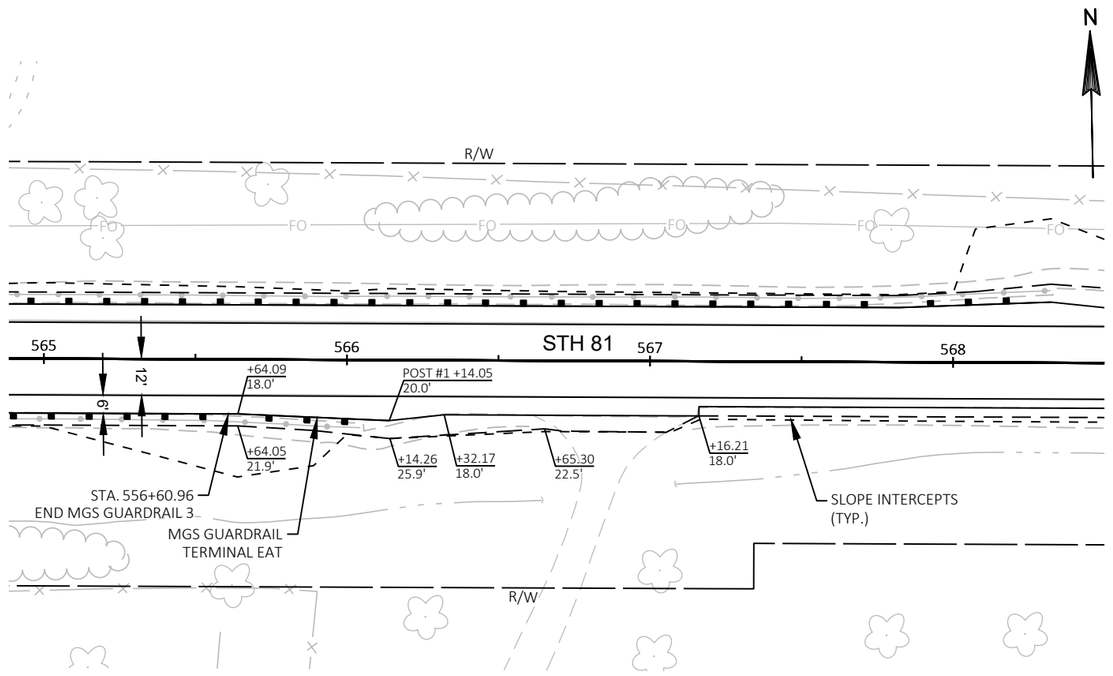




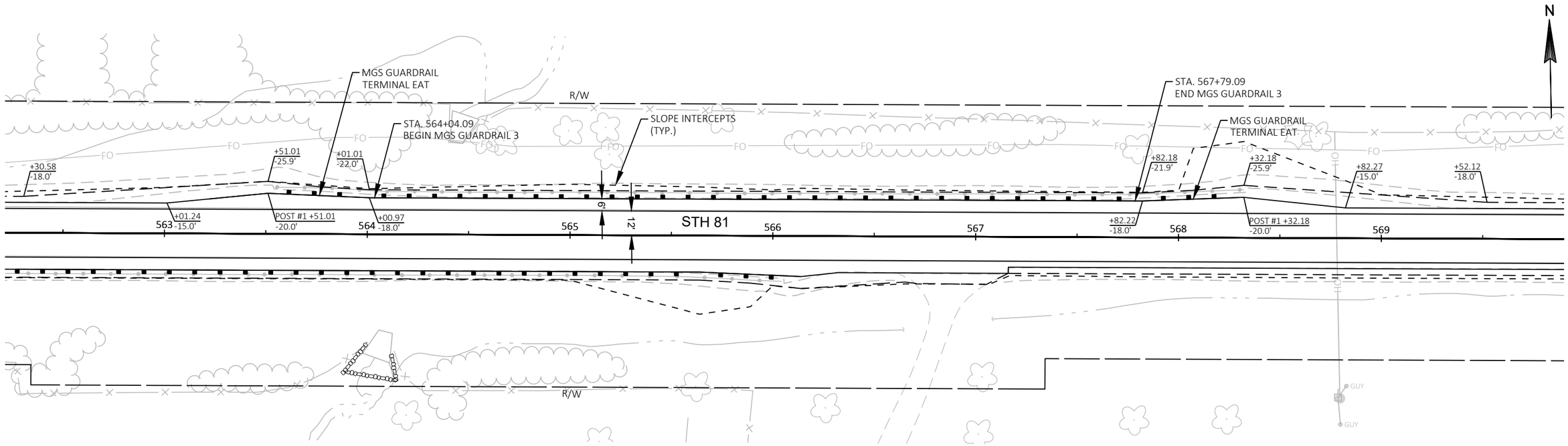
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - GUARDRAIL LAYOUT	SHEET	E

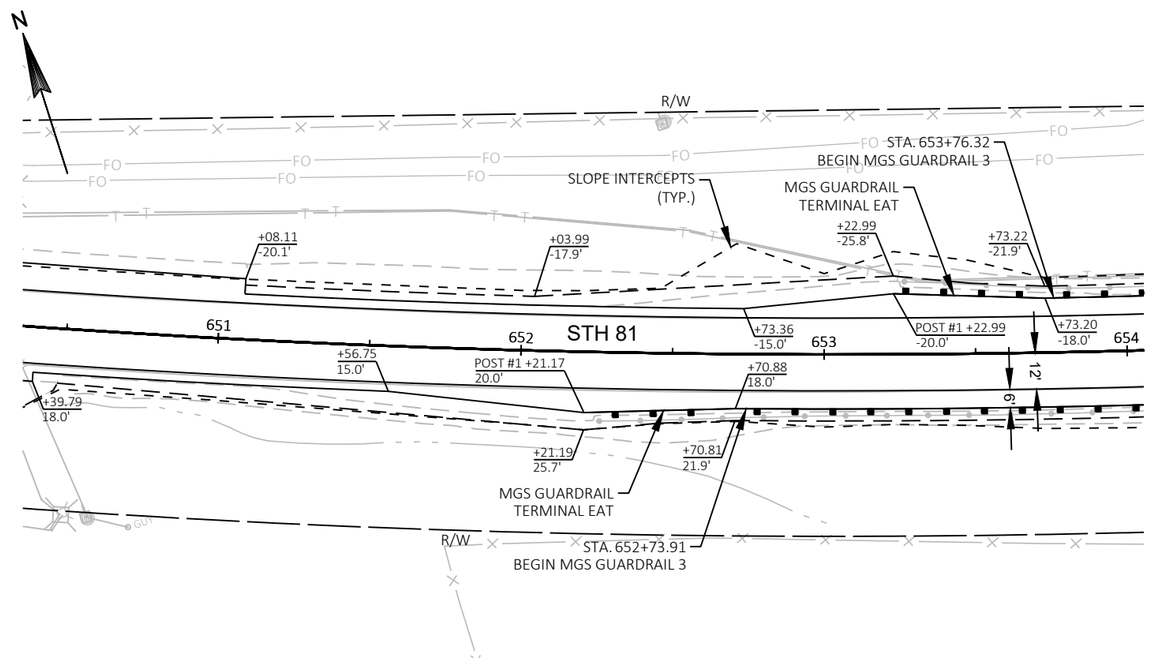


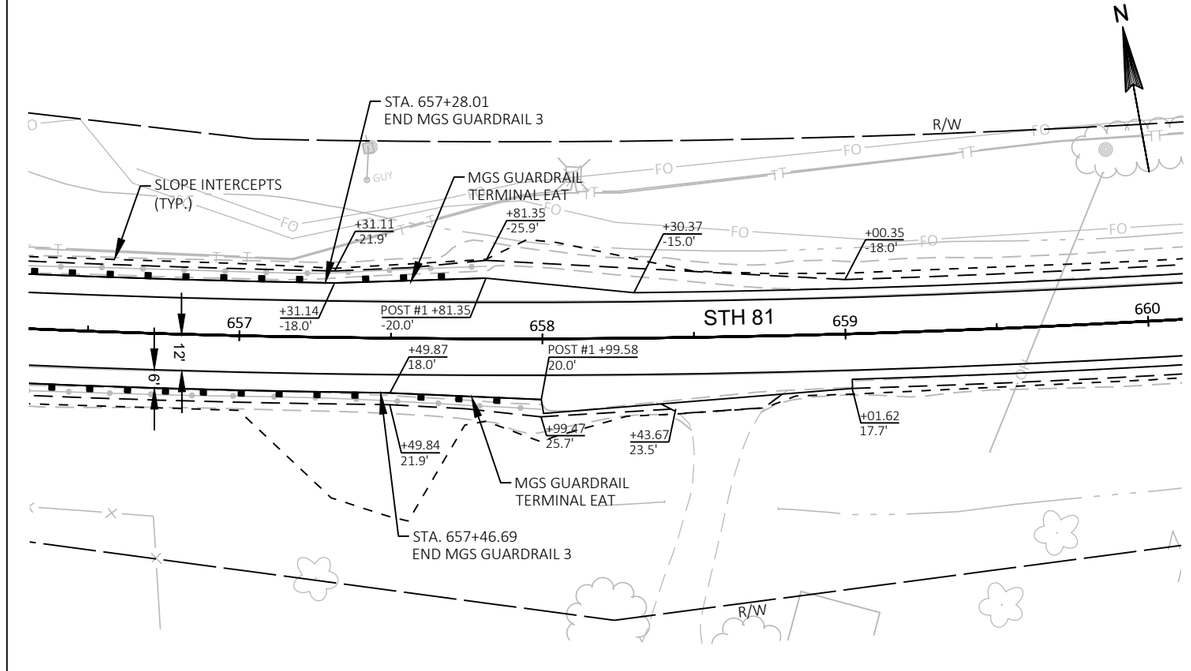




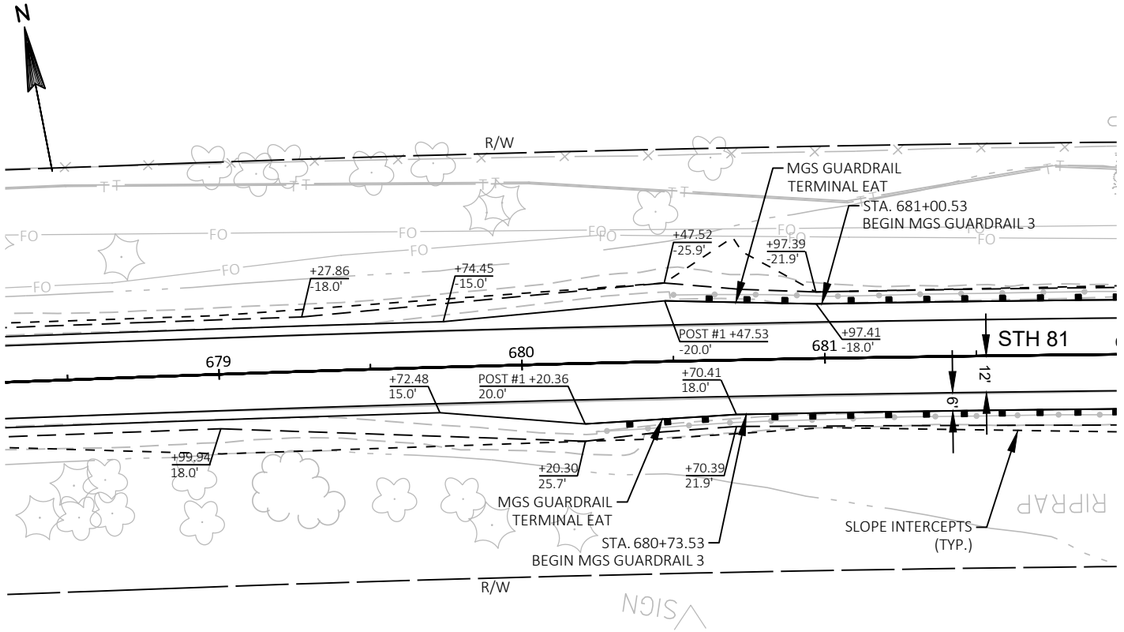
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - GUARDRAIL LAYOUT	SHEET	E

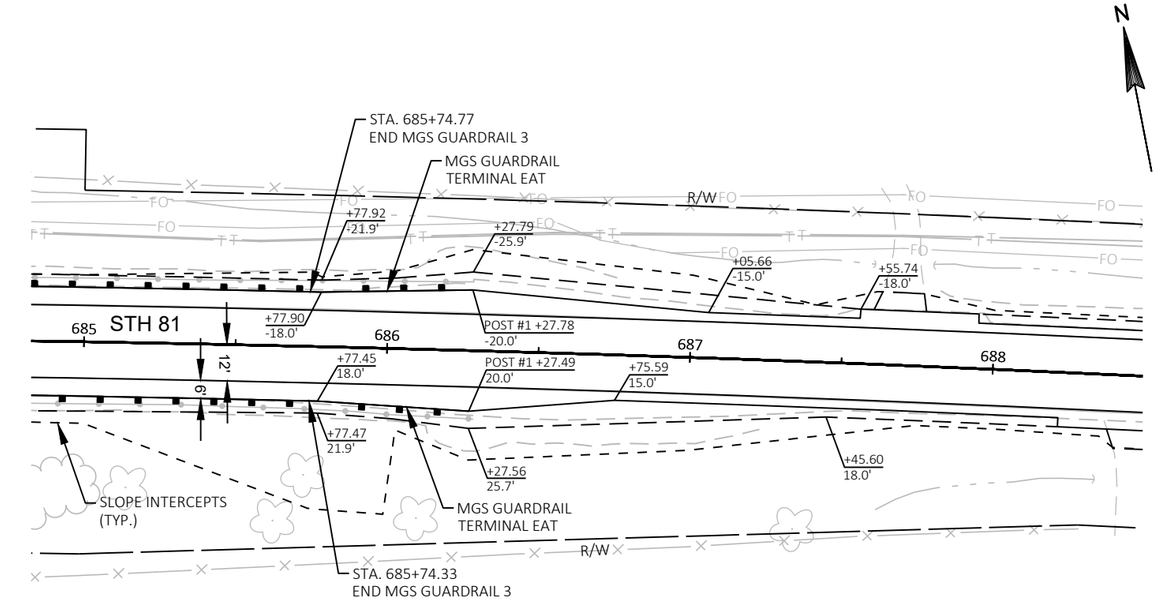


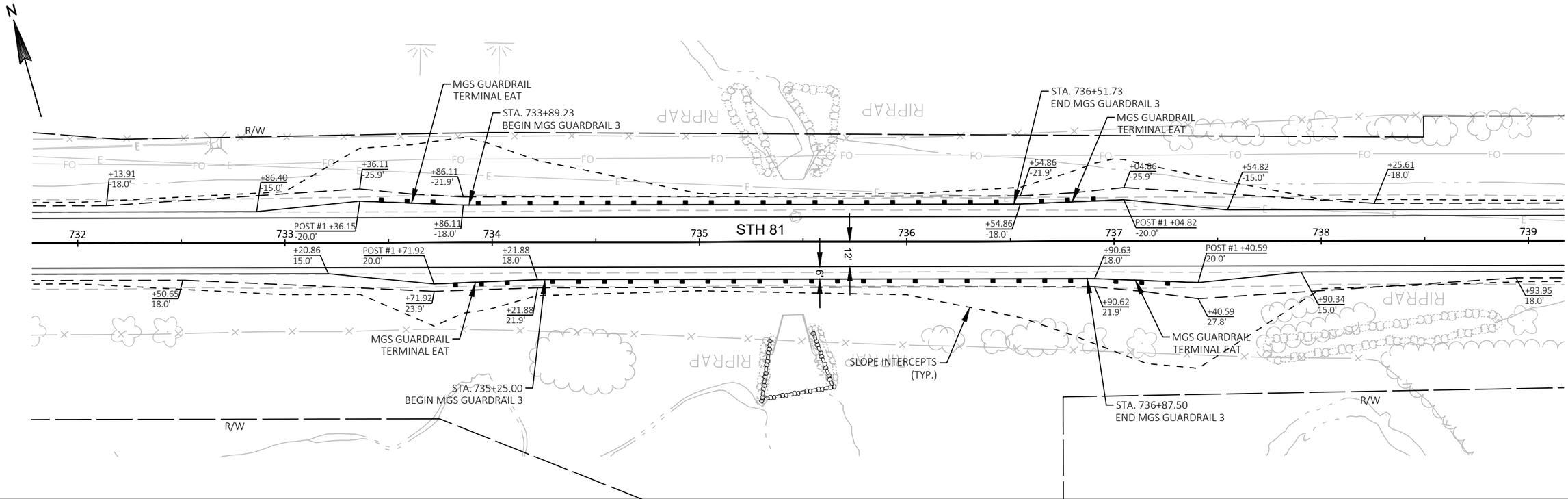




PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - GUARDRAIL LAYOUT	SHEET	E



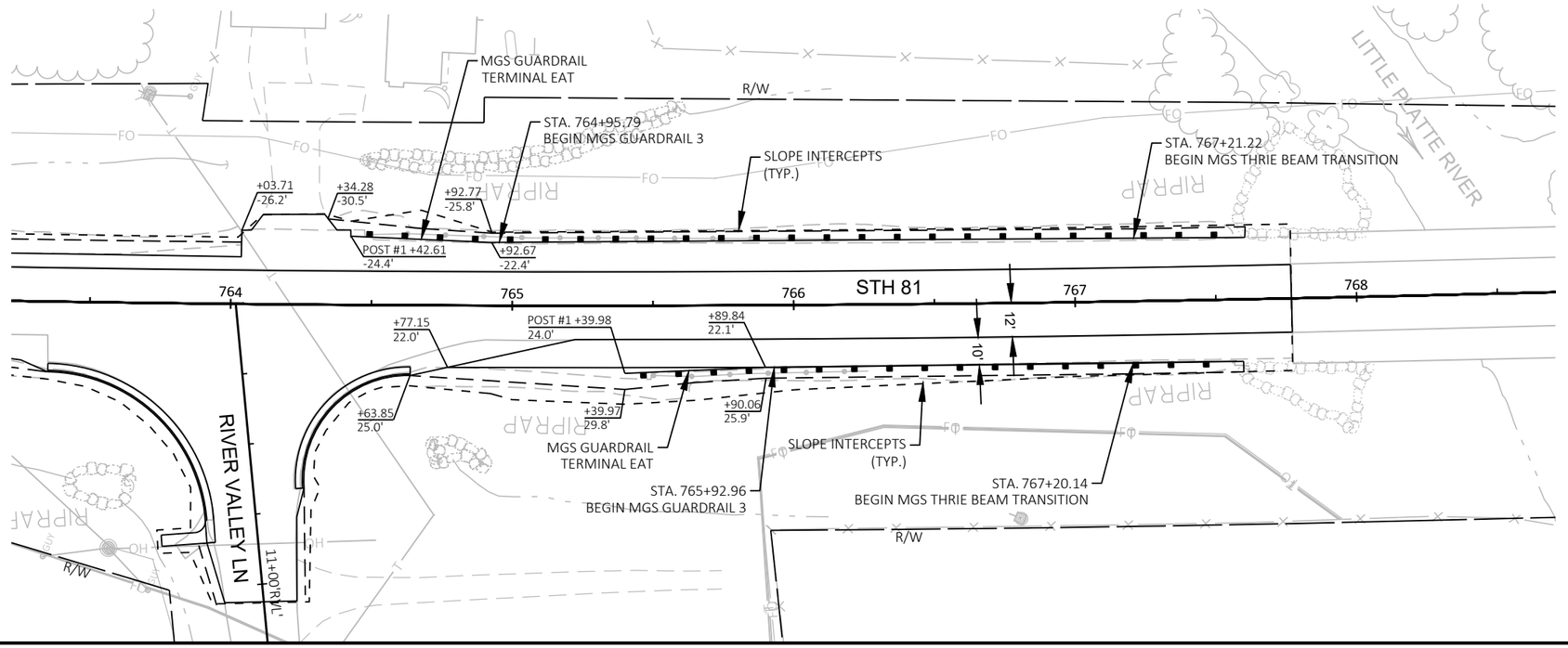


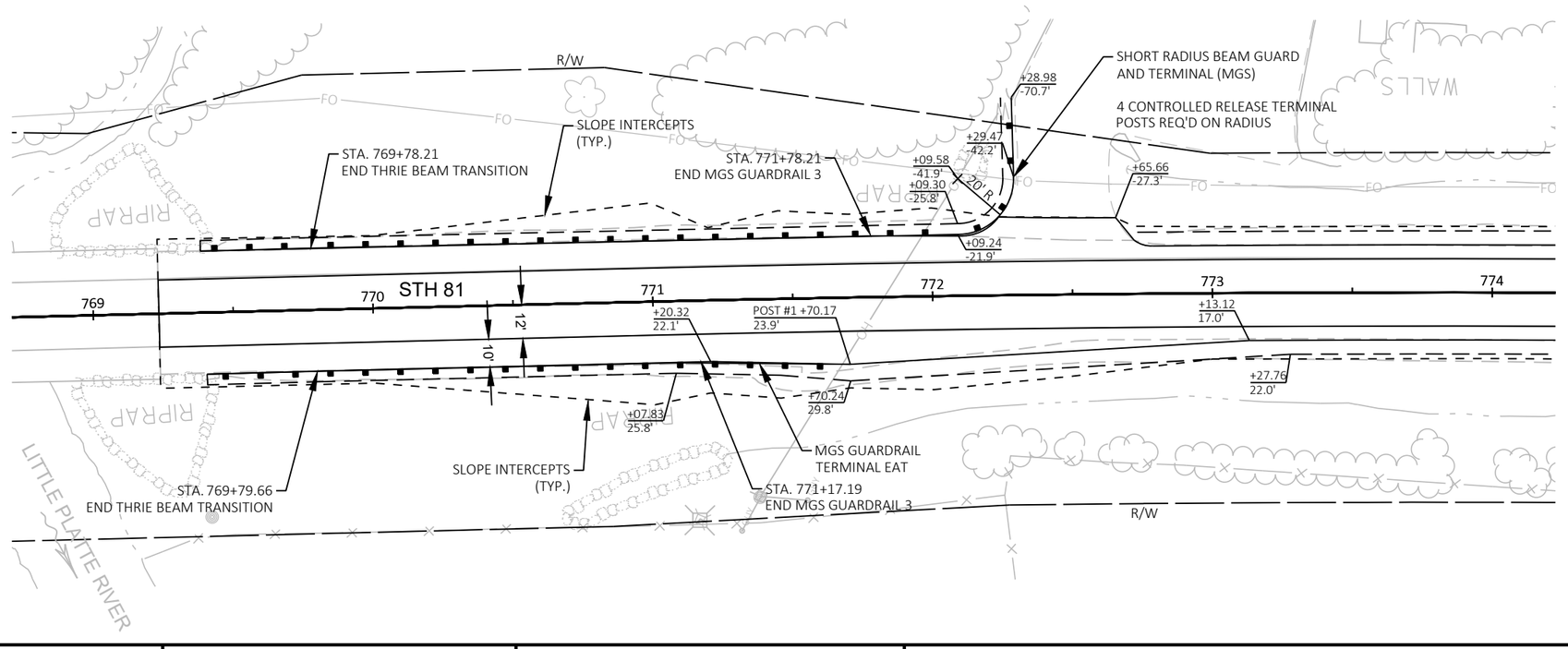


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - GUARDRAIL LAYOUT	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\021201_PD.DWG
LAYOUT NAME - 11
PLOT DATE : 10/31/2019 1:38 PM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 44

2





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - GUARDRAIL LAYOUT	SHEET	E

2

EROSION CONTROL GUIDELINES

1. FOR ALL EROSION CONTROL AT CULVERT AND STORM SEWER PIPE ENDS, SEE CONSTRUCTION DETAILS.

2. AREAS WITHIN THE SLOPE INTERCEPTS NOT USING EROSION MAT NEED TO HAVE TOPSOIL, FERTILIZER, SEED, AND MULCH PROPERLY ANCHORED.

3. PLACE SILT FENCE AT LEAST 5 FEET FROM DOWNSLOPE OF SLOPE INTERCEPT LINE WHERE SHOWN ON PLANS.

4. DITCH CHECK LOCATIONS ARE APPROXIMATE AND SHOULD BE ADJUSTED BASED ON SLOPE AND THE DITCH CHECK HEIGHT PER THE STANDARD SPECIFICATIONS.

5. PLACE DITCH CHECKS PERPENDICULAR TO THE FLOW LINE OF THE DITCH AND EXTEND UP THE SLOPE SUCH THAT THE BOTTOMS OF THE ENDS ARE AT LEAST 6 INCHES HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE SECTION TO ASSURE THAT RUNOFF WILL FLOW THROUGH OR OVER THE DITCH CHECK, OR BOTH. REMOVE SEDIMENT DEPOSITS WHEN DEPOSITS REACH HALF THE HEIGHT OF THE DITCH CHECK. REMOVE DITCH CHECKS ONCE THE FINAL GRADING AND CHANNEL STABILIZATION IS APPLIED.

6. WHEN POSSIBLE, PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.

7. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE START OF LAND DISTURBING ACTIVITIES. CONSTRUCTION SHALL BE PHASED SO THAT SOIL EXPOSURE IS LIMITED TO NO MORE THAN 30 DAYS.

8. SILT FENCE WILL BE PLACED AT THE DOWNGRADE SIDE OF SLOPE PRIOR TO ANY LAND DISTURBANCE WHERE INDICATED ON PLANS AND WHERE SEDIMENT LADEN FLOW COULD LEAVE SITE. SILT FENCE SHALL BE ENTRENCHED AND STAKED IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS. REPAIR BREAKS AND GAPS IMMEDIATELY. REMOVE SEDIMENT FROM BEHIND SILT FENCE WHEN SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE HEIGHT. REMOVE SILT FENCE AND STABILIZE TRENCH WHEN VEGETATION IS ESTABLISHED UPGRADE.

9. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCK PILES WILL REMAIN INACTIVE FOR 3 DAYS OR LONGER.

10. MAKE PROVISIONS FOR WATERING DURING THE FIRST 30 DAYS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR. WATERING IS INCIDENTAL TO CONTRACT. SEEDED AREAS SHALL BE WATERED WHENEVER MORE THAN SEVEN DAYS OF DRY WEATHER ELAPSES.

11. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL PROJECT IS ACCEPTED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION. EROSION CONTROL MEASURES SHOWN ON DRAWINGS ARE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. CONTRACTOR SHALL BE RESPONSIBLE FOR RECOGNIZING AND CORRECTING EROSION CONTROL PROBLEMS THAT ARE A RESULT OF CONTRACTOR'S CONSTRUCTION ACTIVITIES.

12. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, ETC.), OR AS DIRECTED BY ENGINEER OR OWNER.

TOTAL DISTURBED AREA: 66.3 ACRES

LEGEND

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

2

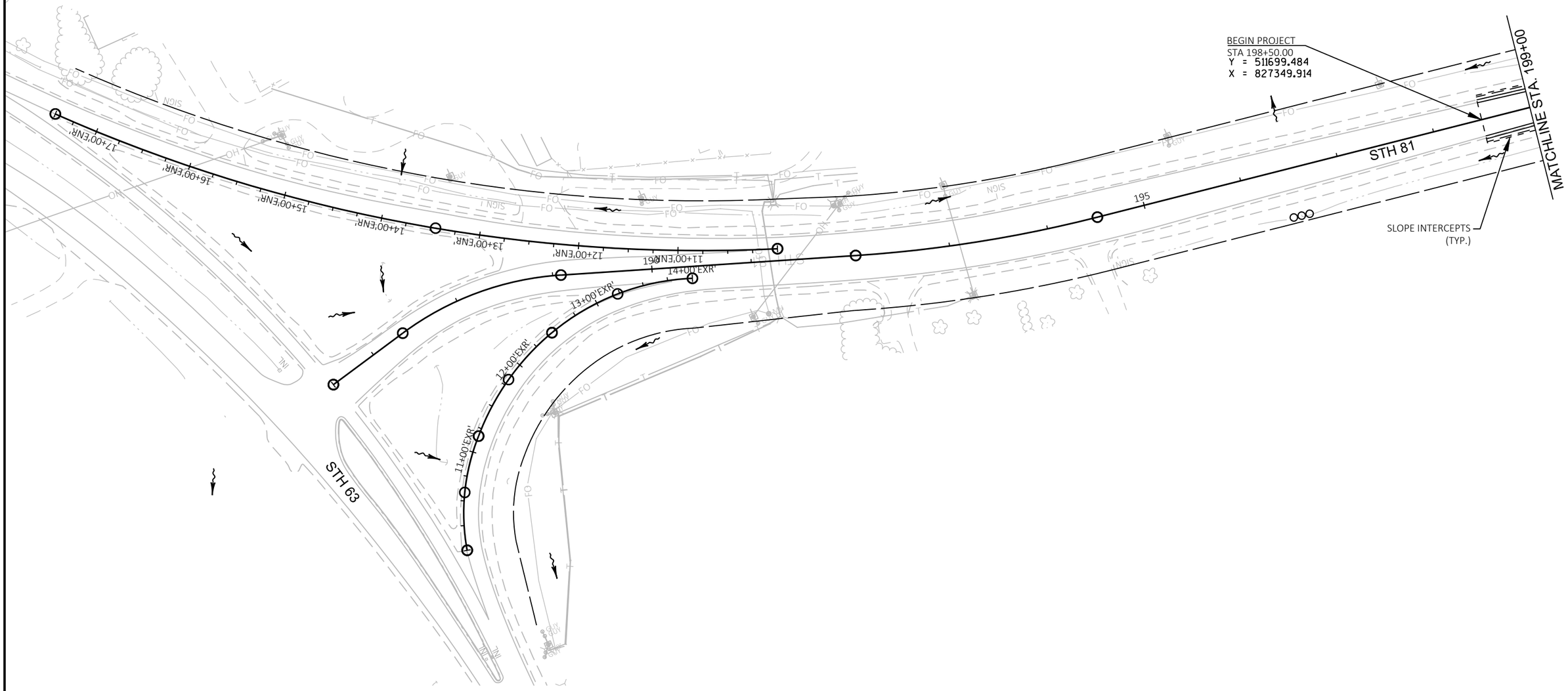
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

2

LEGEND

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

N



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

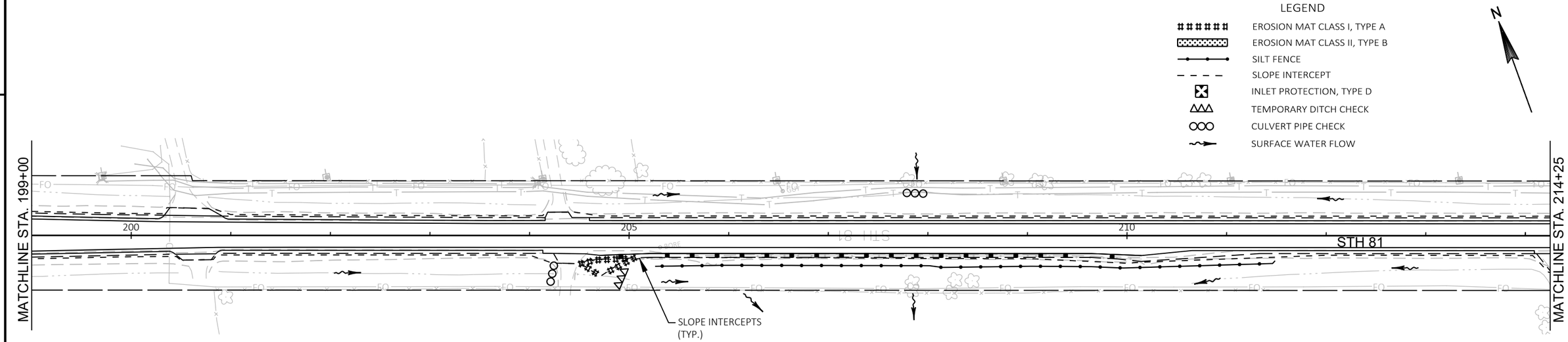
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\022001_EC1.DWG
LAYOUT NAME - 01

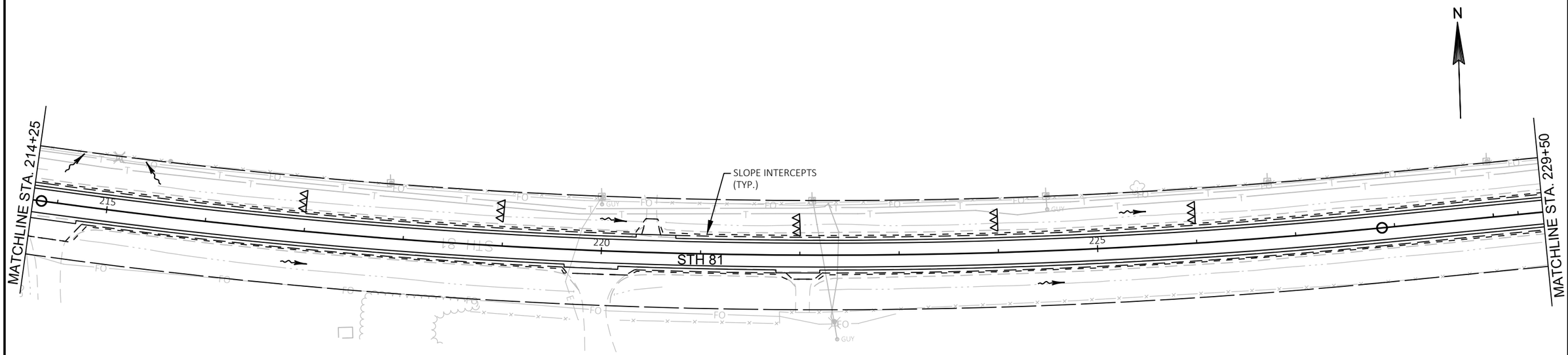
PLOT DATE : 10/30/2019 2:00 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : ##########

2

LEGEND

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





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\022001_EC1.DWG
LAYOUT NAME - 02

PLOT DATE : 10/30/2019 2:01 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : ##########

2

LEGEND

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

N

MATCHLINE STA. 229+50

230

235

STH 81

240

SLOPE INTERCEPTS (TYP.)

MATCHLINE STA. 244+75

KINGSFORD RD

SLOPE INTERCEPTS (TYP.)

MATCHLINE STA. 244+75

245

250

STH 81

255

MATCHLINE STA. 260+00

11+00 AUP.

AUPPERLE LN

AUPPERLE CEMETERY - DO NOT DISTURB

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\022001_EC1.DWG
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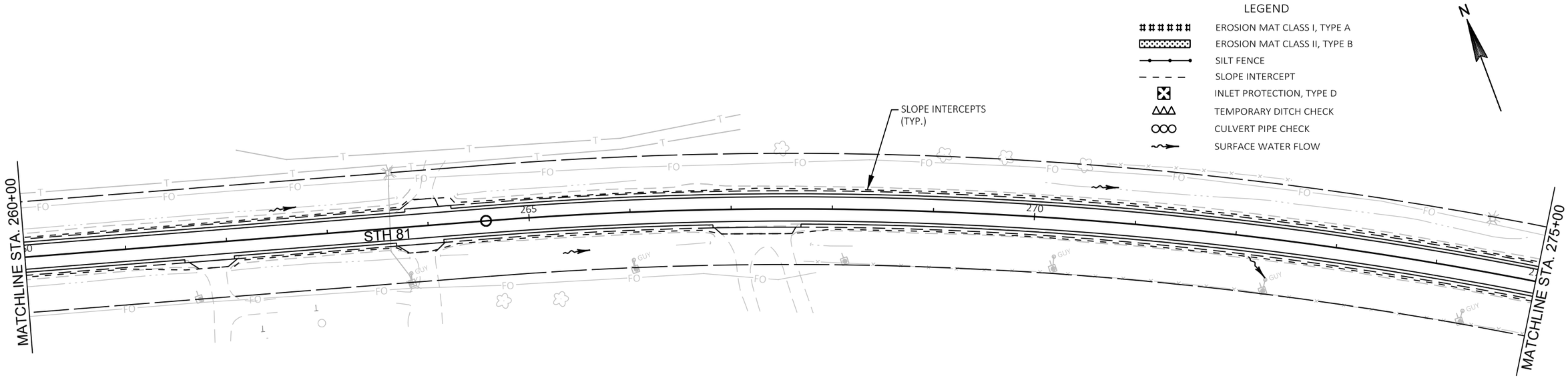
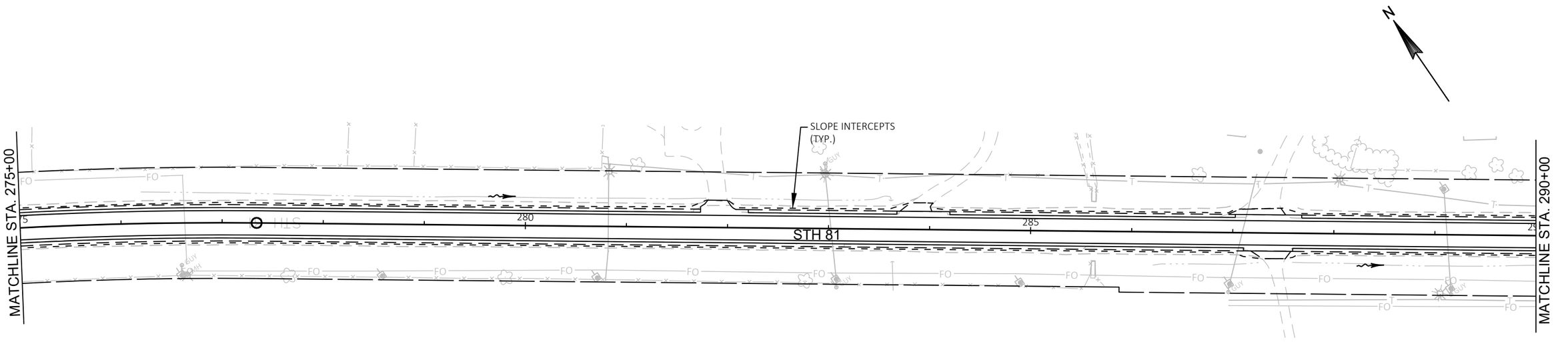
WISDOT/CADDS SHEET 44





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\022001_EC1.DWG
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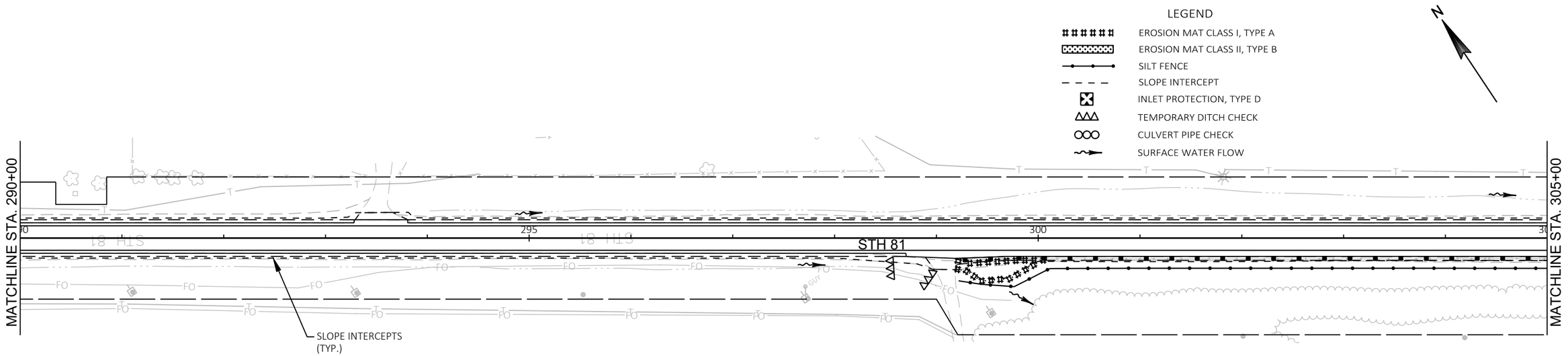
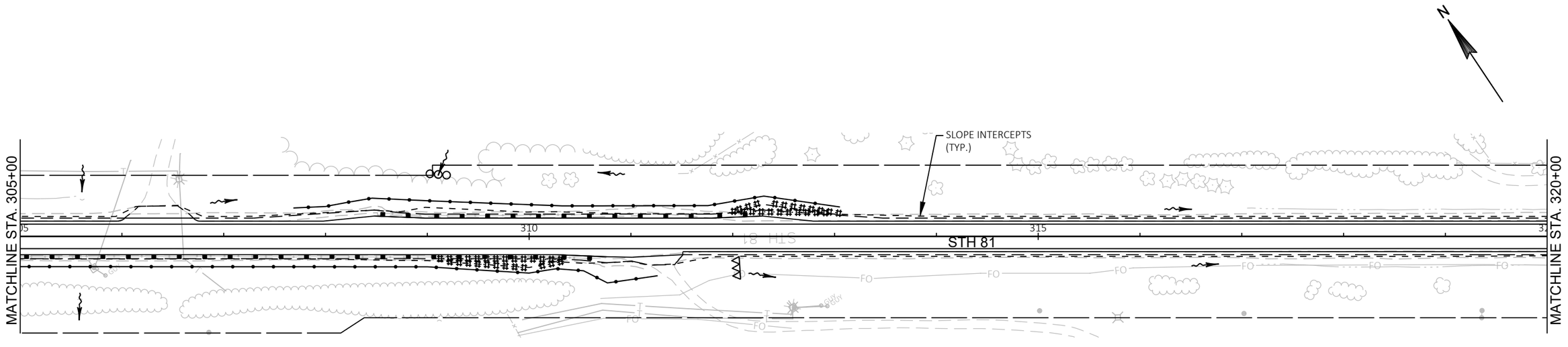


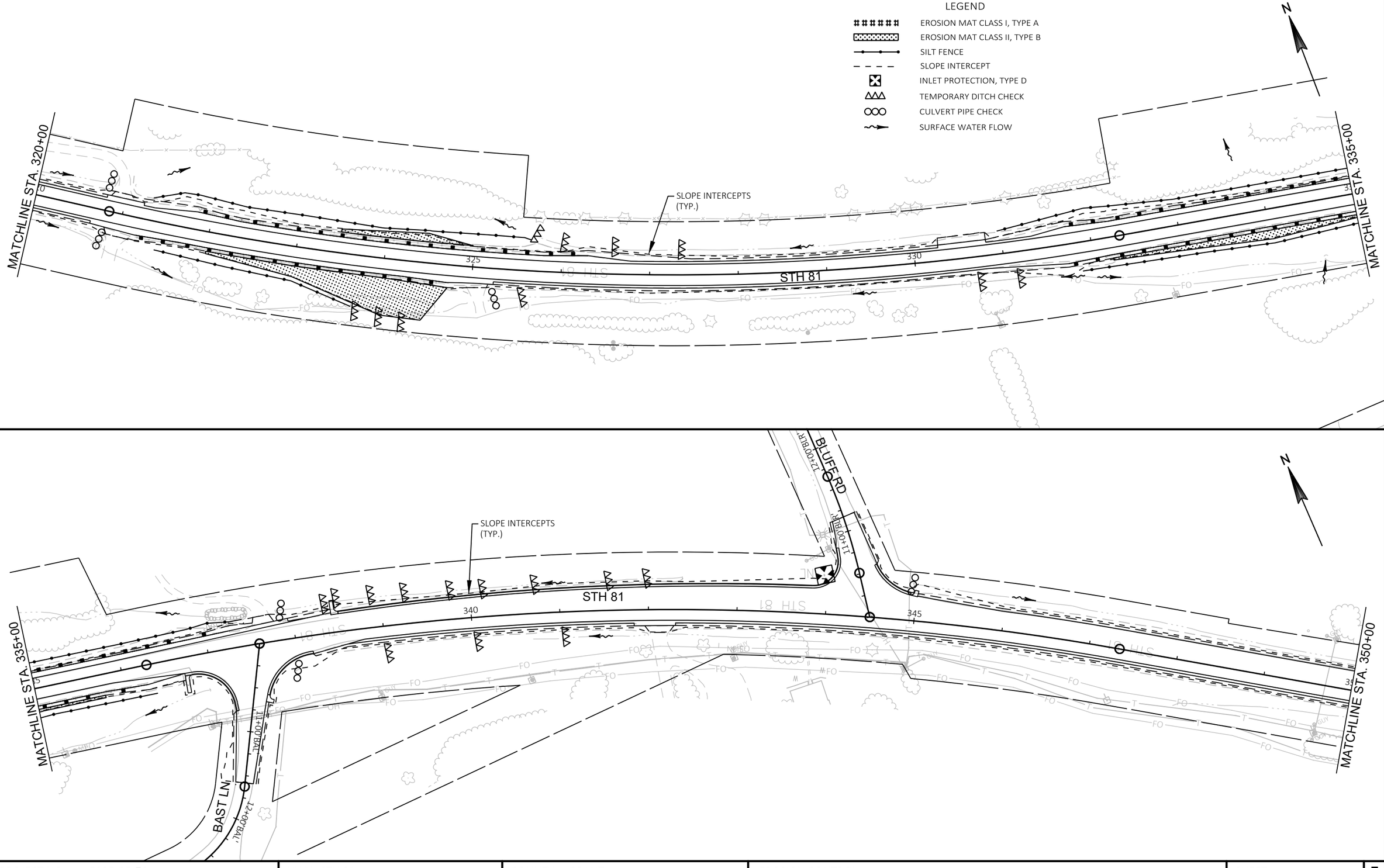


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

2

LEGEND

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



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

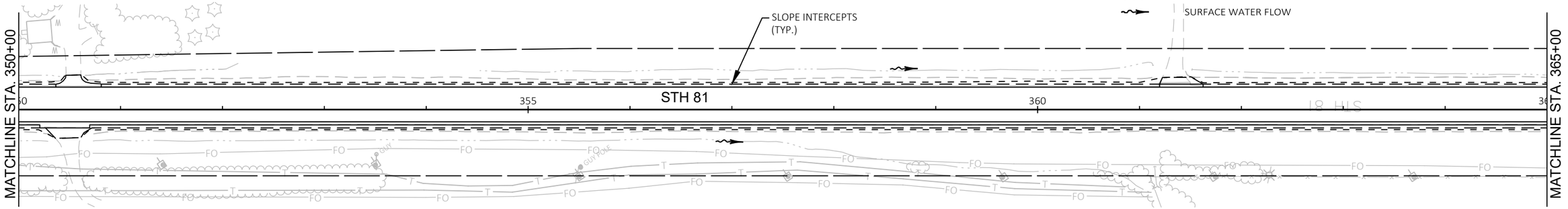
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\022001_EC1.DWG
LAYOUT NAME - 06

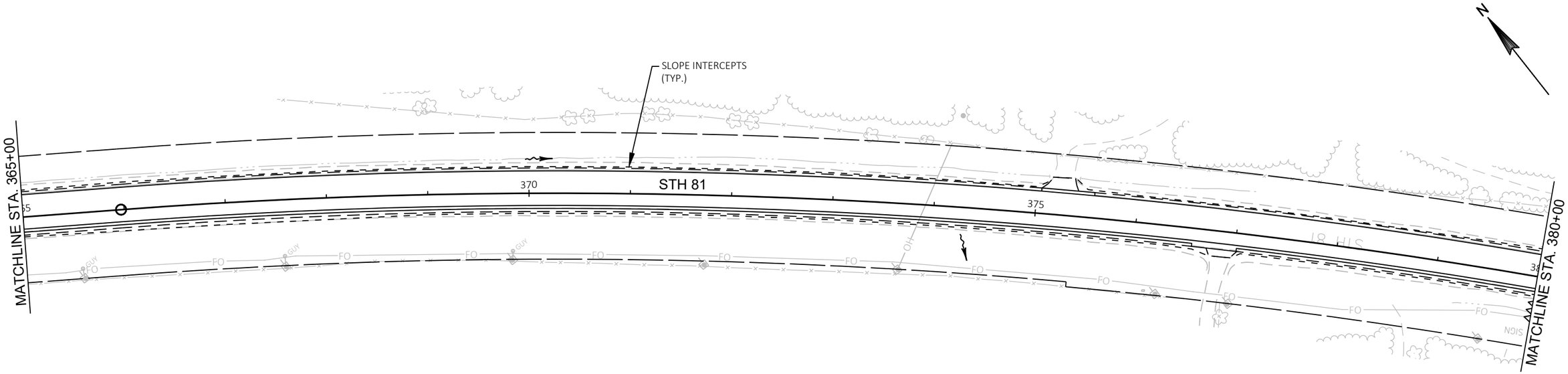
PLOT DATE : 10/30/2019 2:05 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : ##########

2

LEGEND

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



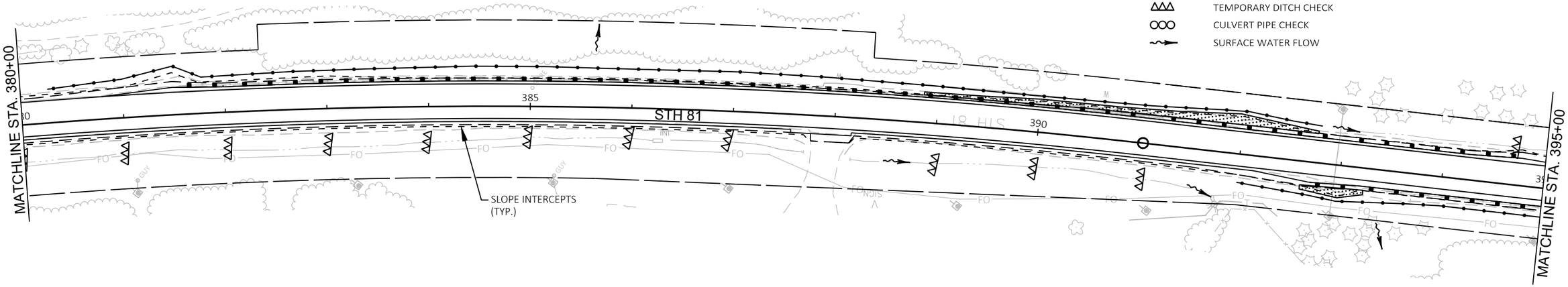


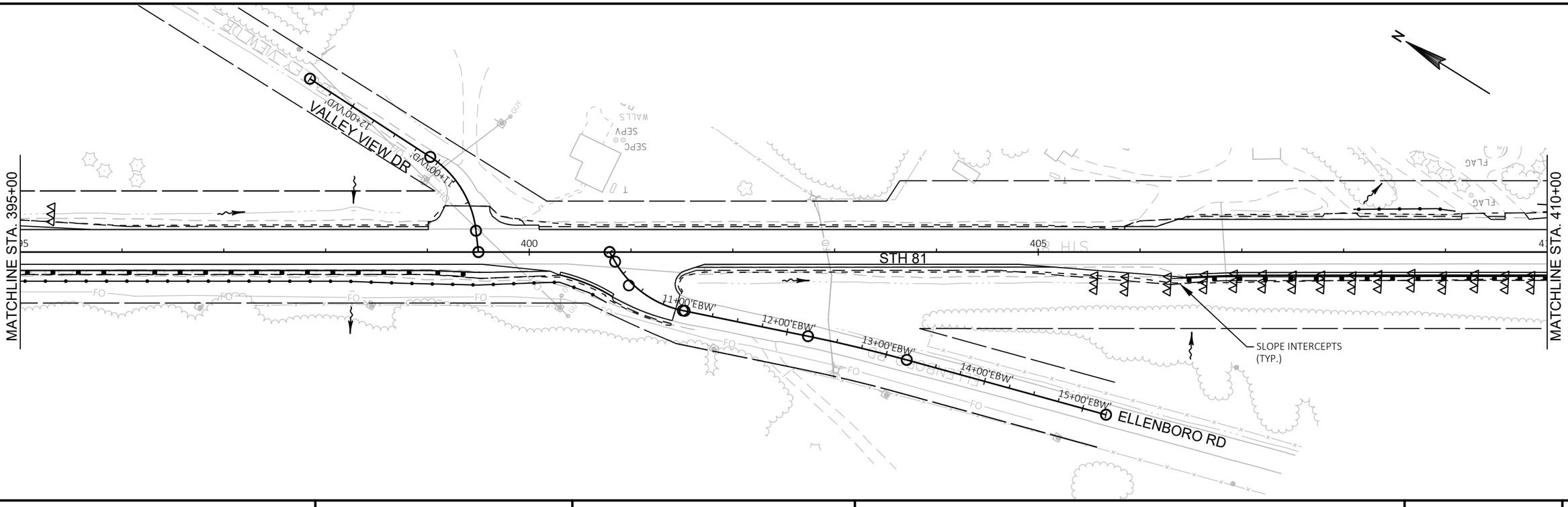
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

2

LEGEND

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





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\022001_EC1.DWG
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PLOT DATE : 10/30/2019 2:07 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : ##########

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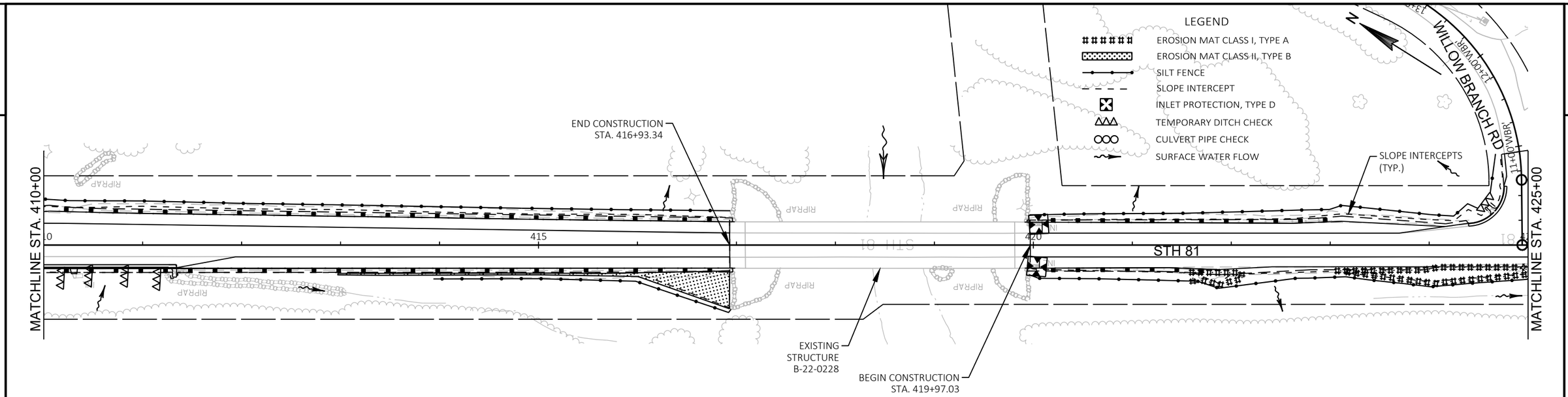
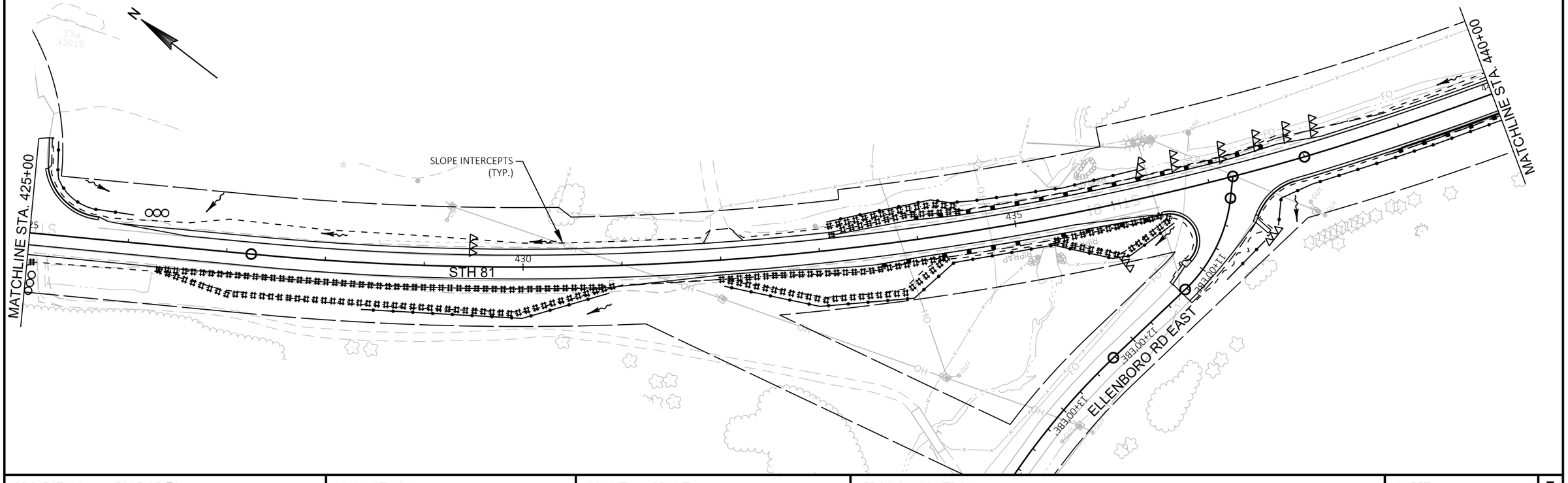


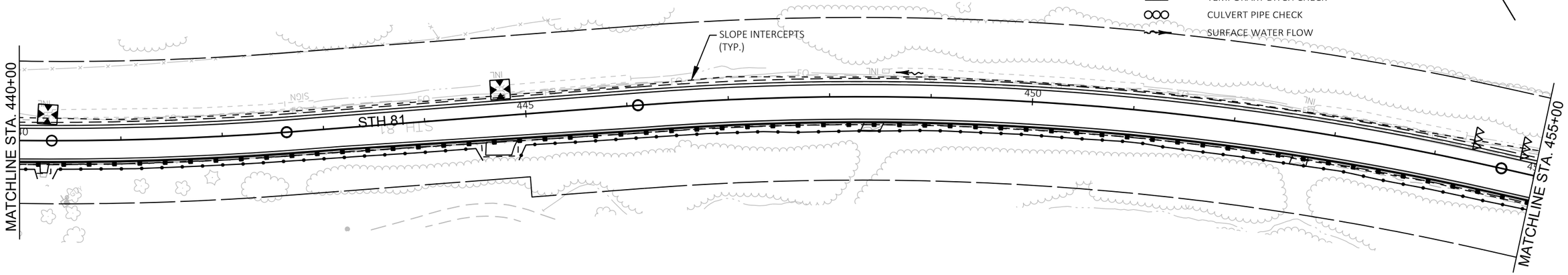


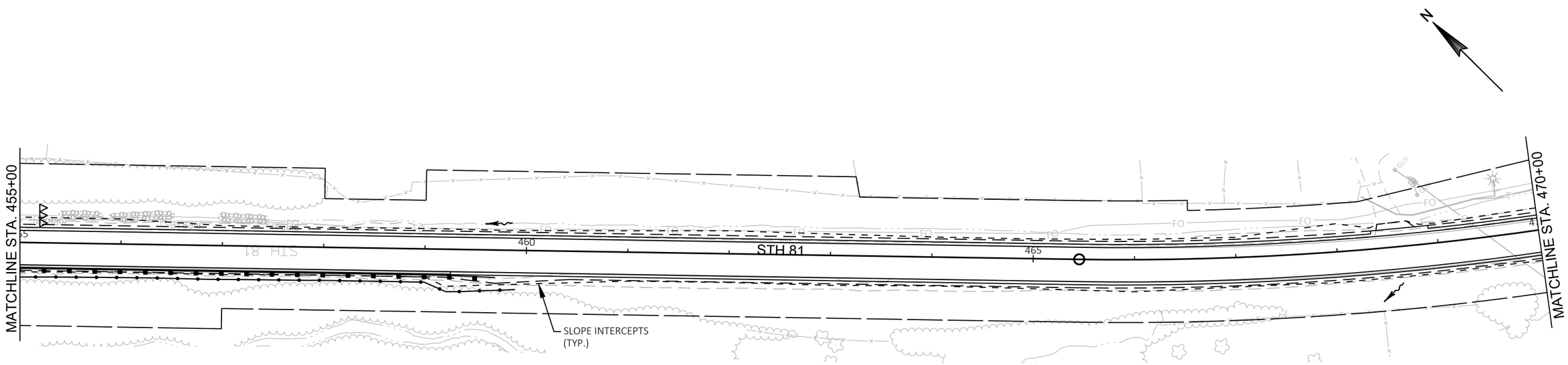
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

2

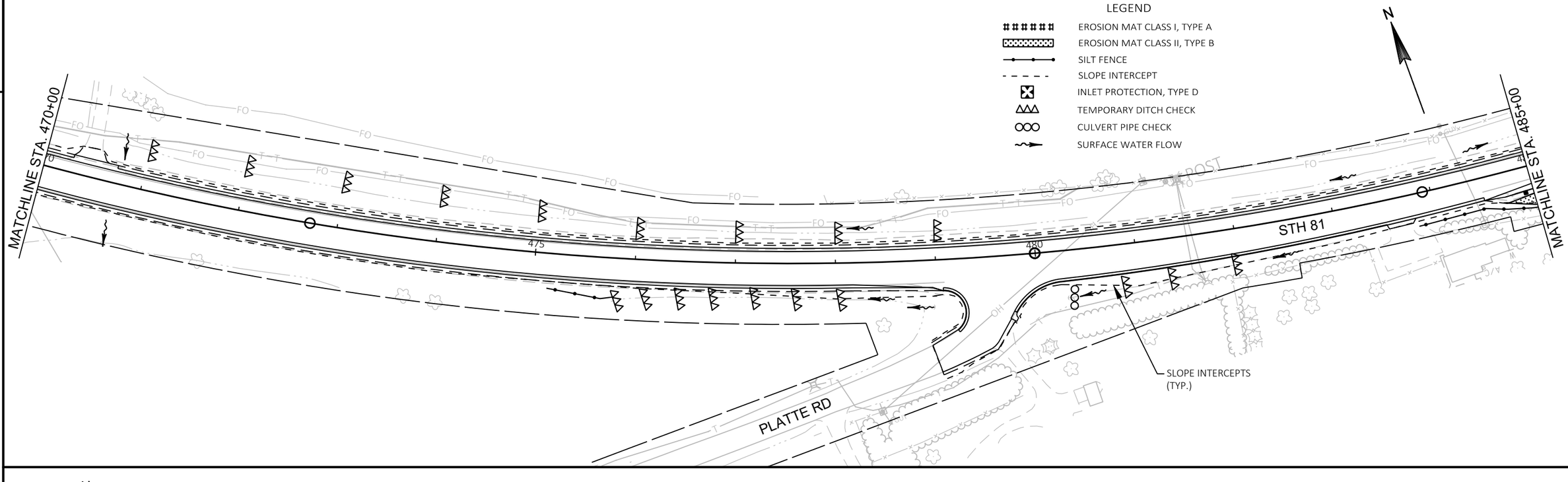
LEGEND

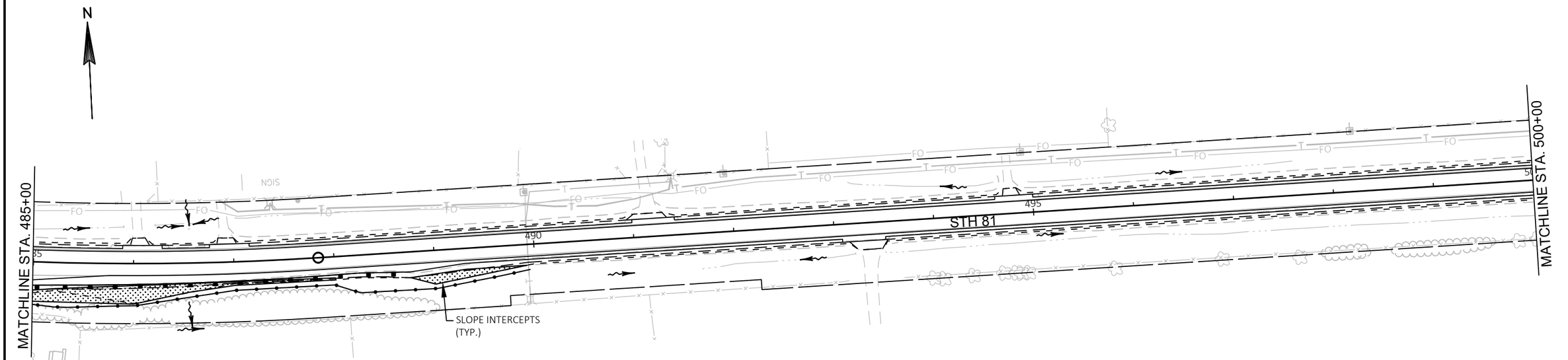
- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E





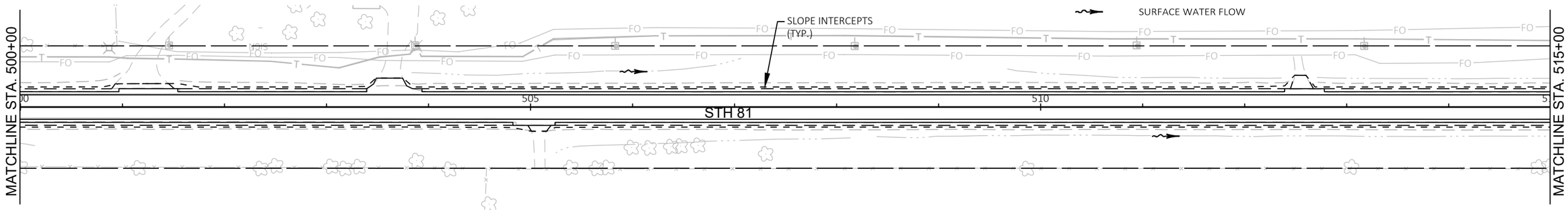
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

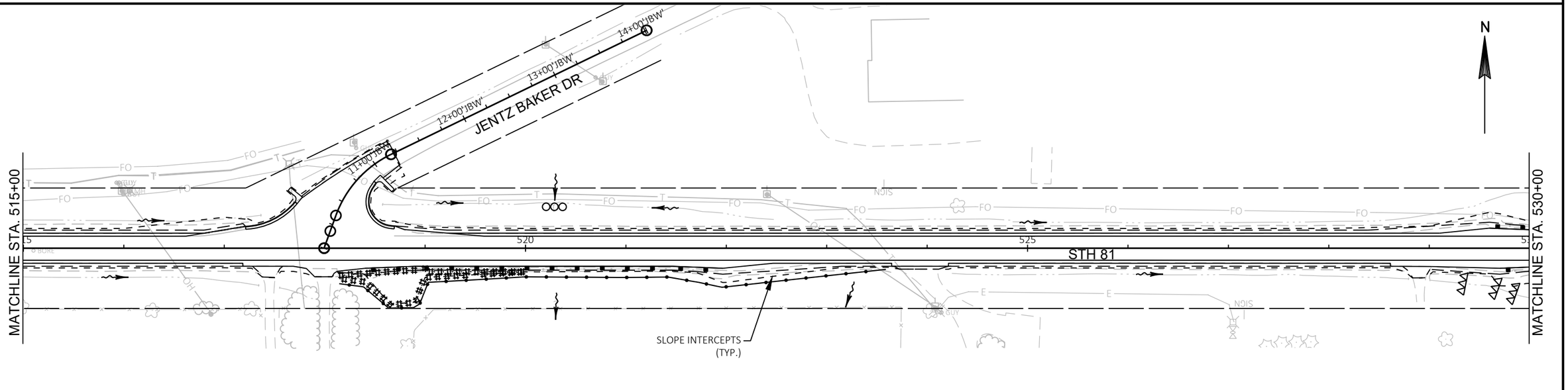
2

LEGEND

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

N





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\022001_EC2.DWG
LAYOUT NAME - 12

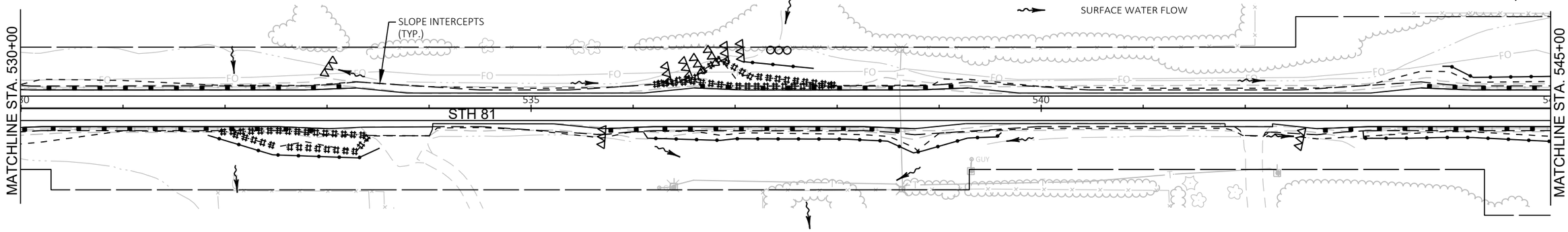
PLOT DATE : 10/30/2019 2:32 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : ##########

2

LEGEND

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

N



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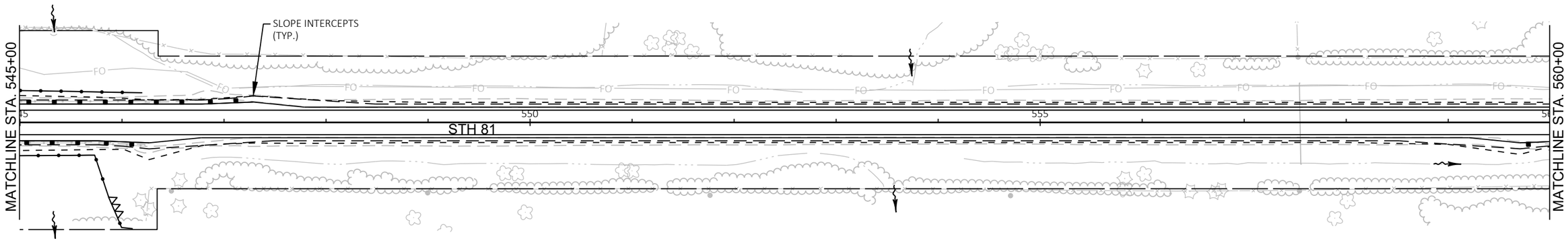


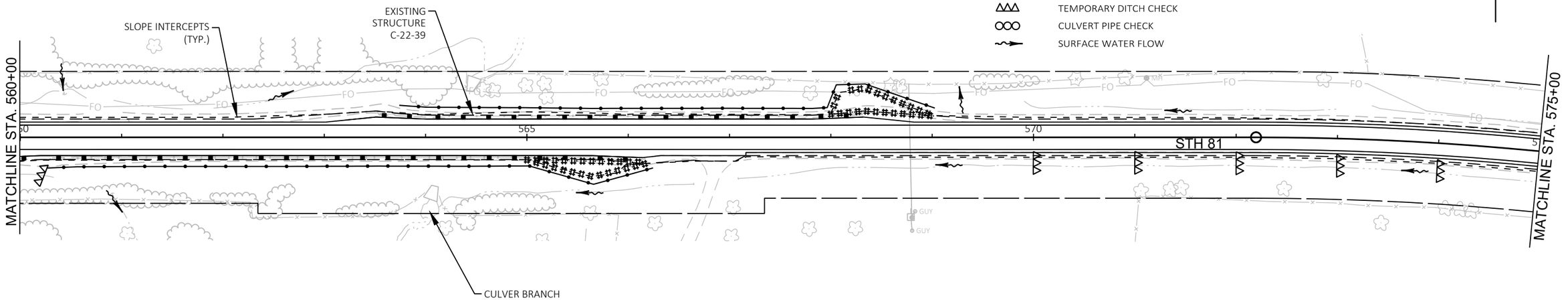
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

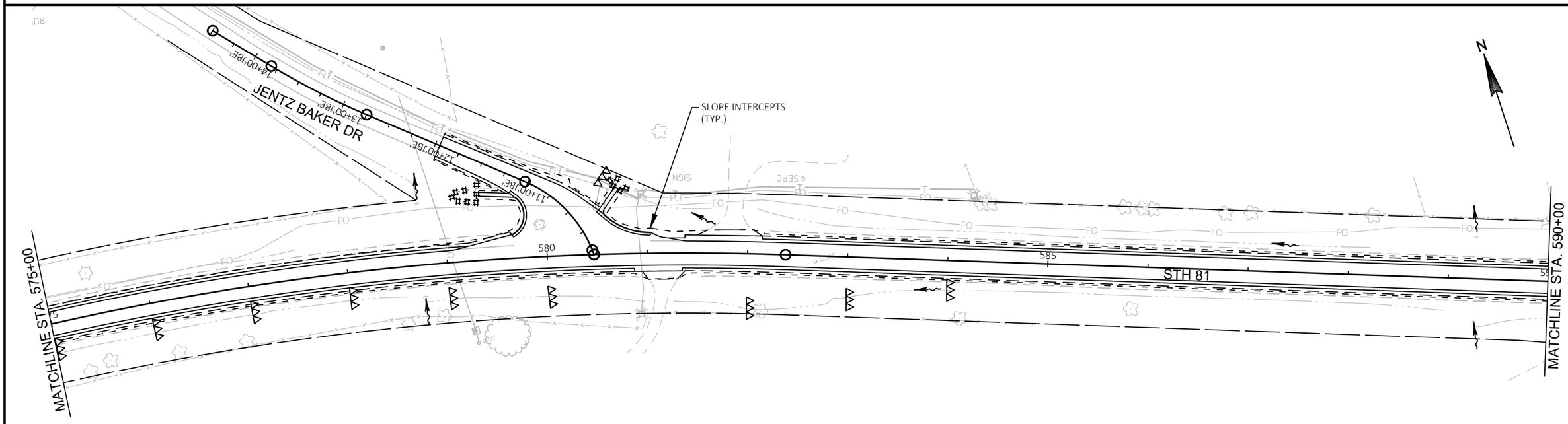
2

LEGEND

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

N





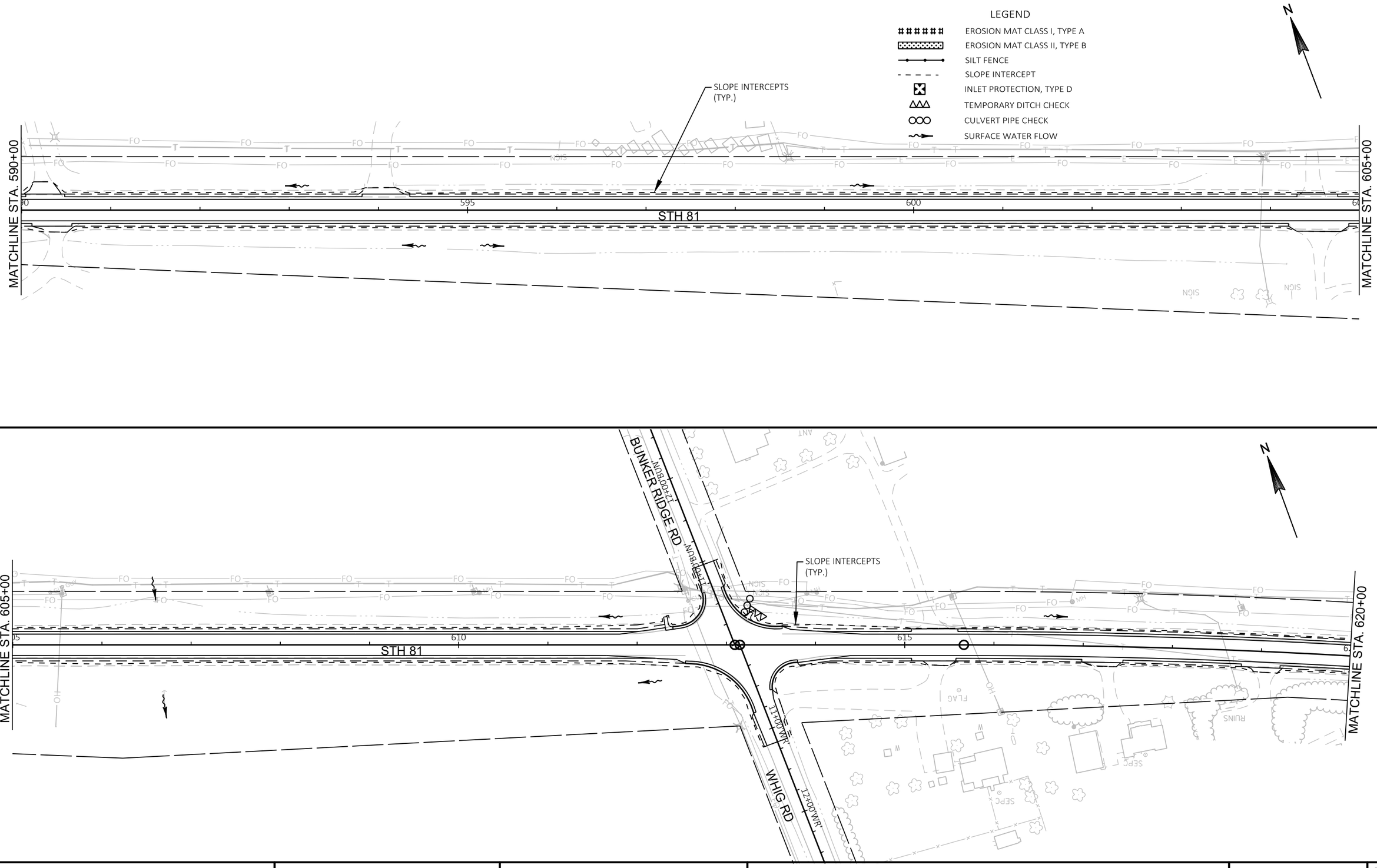
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\022001_EC2.DWG
LAYOUT NAME - 14
PLOT DATE : 10/30/2019 2:34 PM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

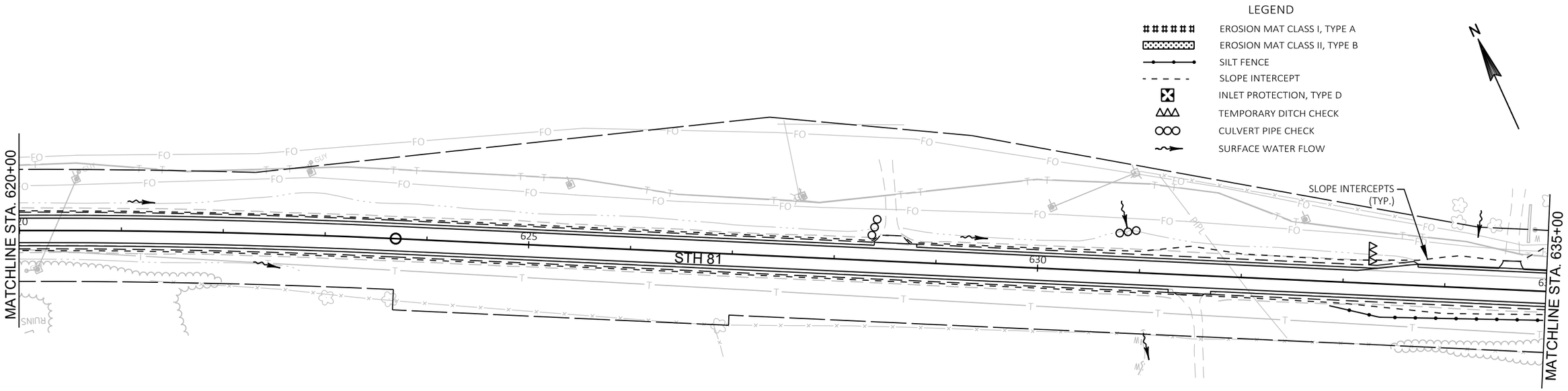
2

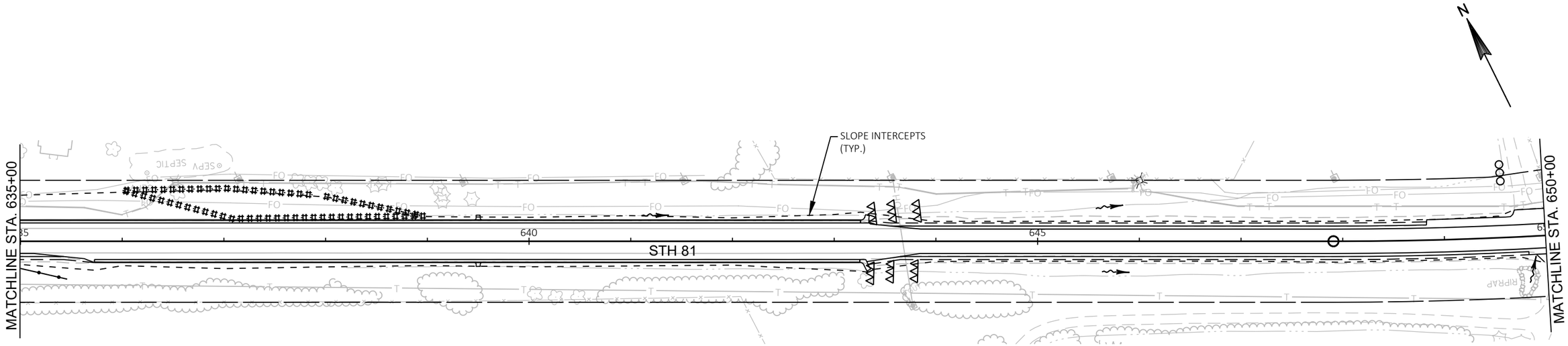
LEGEND

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



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E





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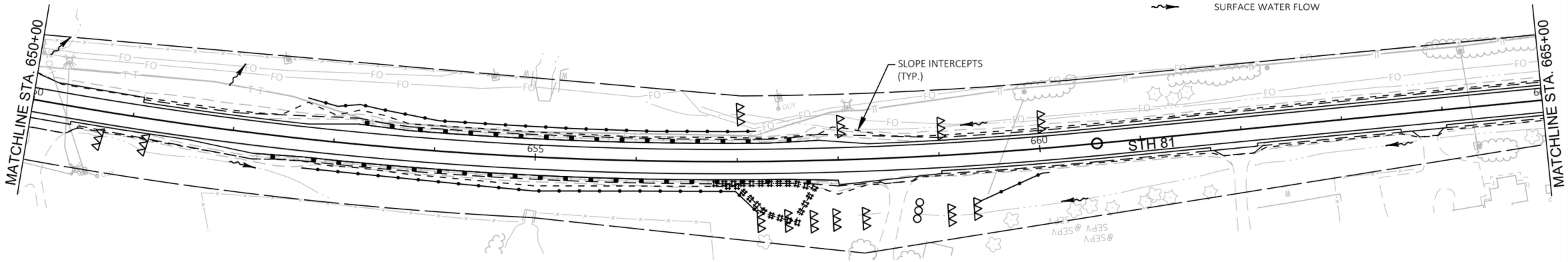
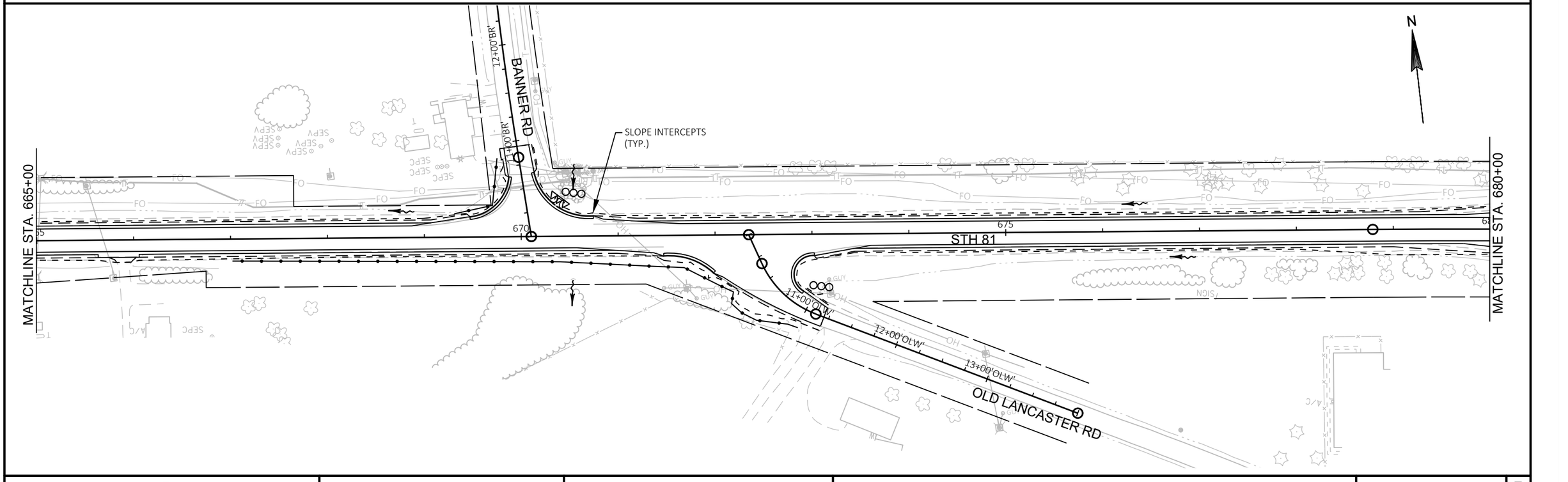
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

2

LEGEND

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





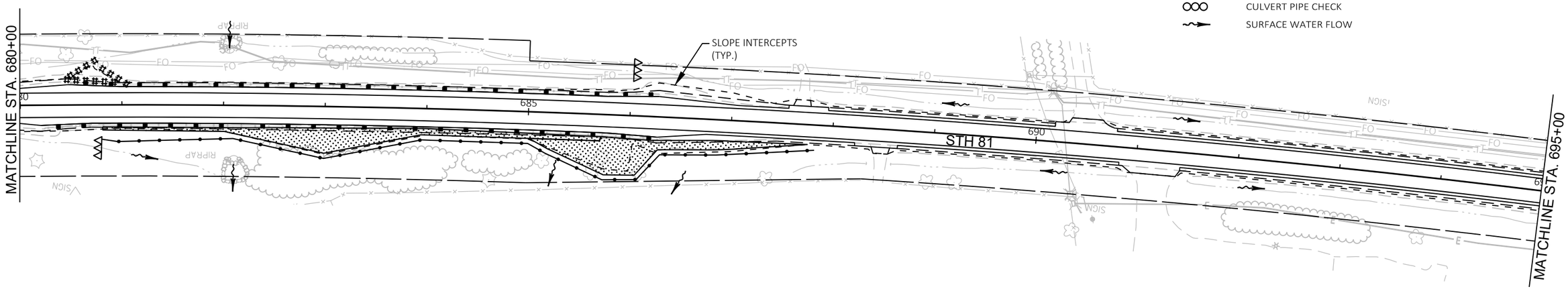
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

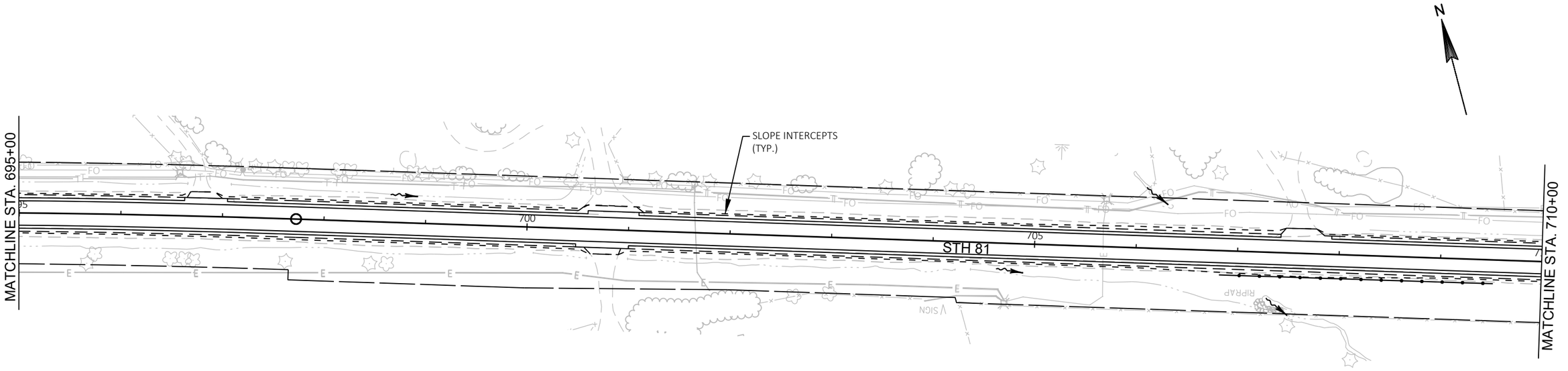
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\022001_EC2.DWG
LAYOUT NAME - 17
PLOT DATE : 10/30/2019 2:37 PM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

2

LEGEND

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



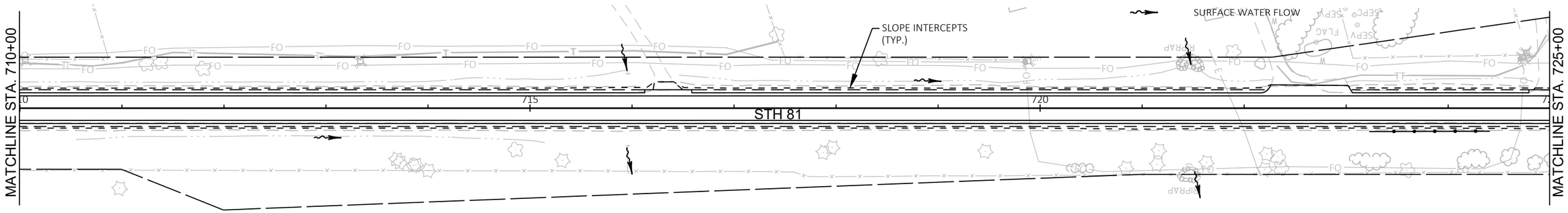


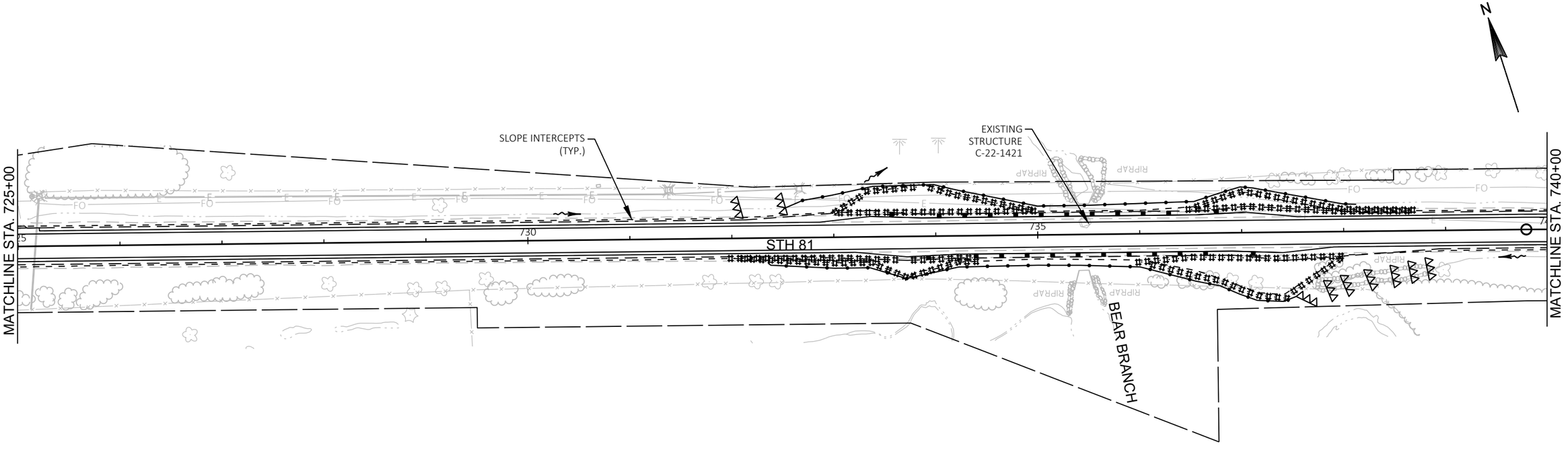
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

2

LEGEND

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





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

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LAYOUT NAME - 19
PLOT DATE : 10/30/2019 2:39 PM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : ##########

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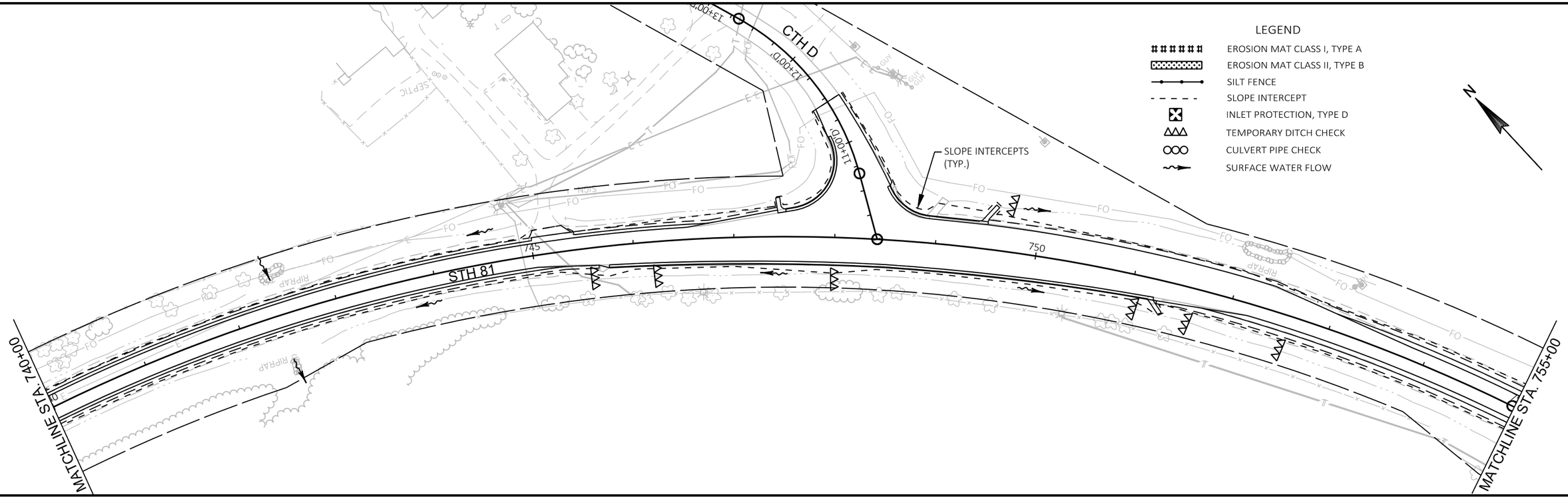

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

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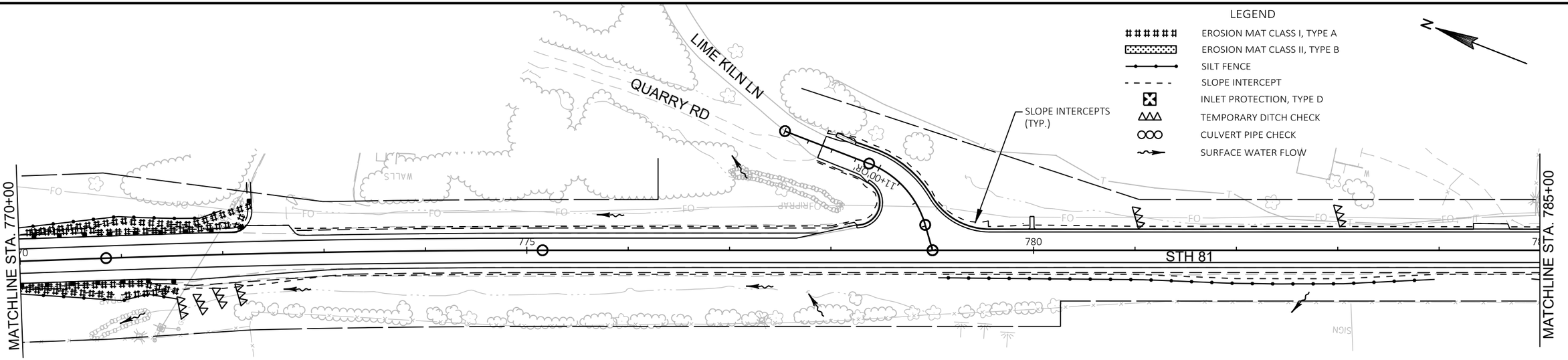
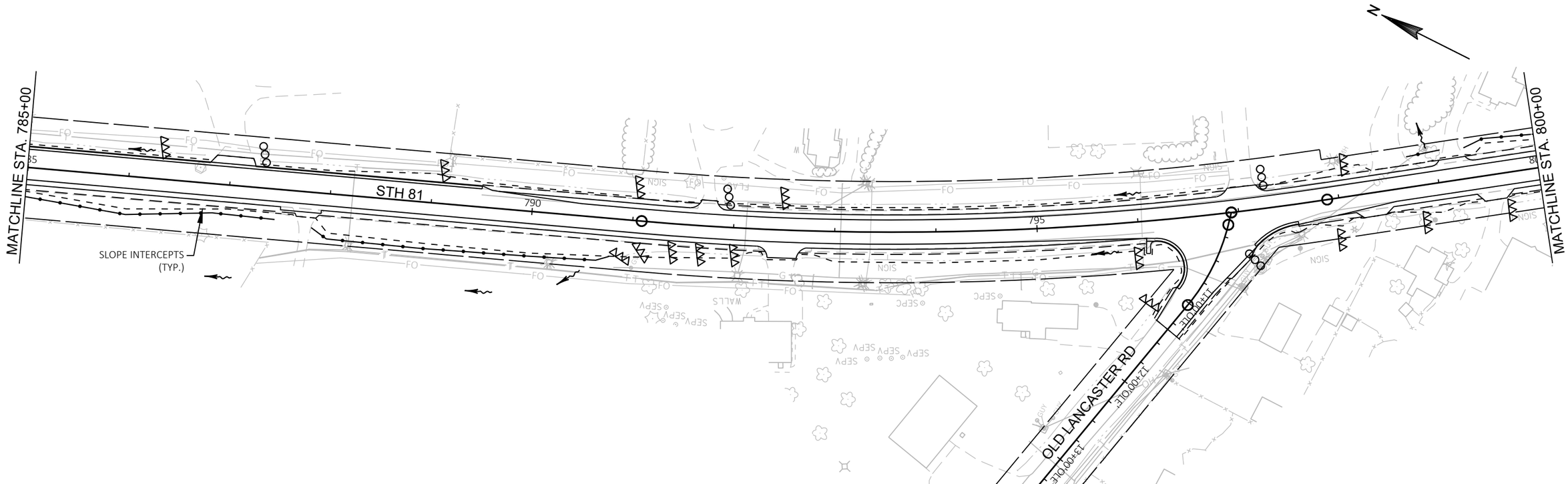
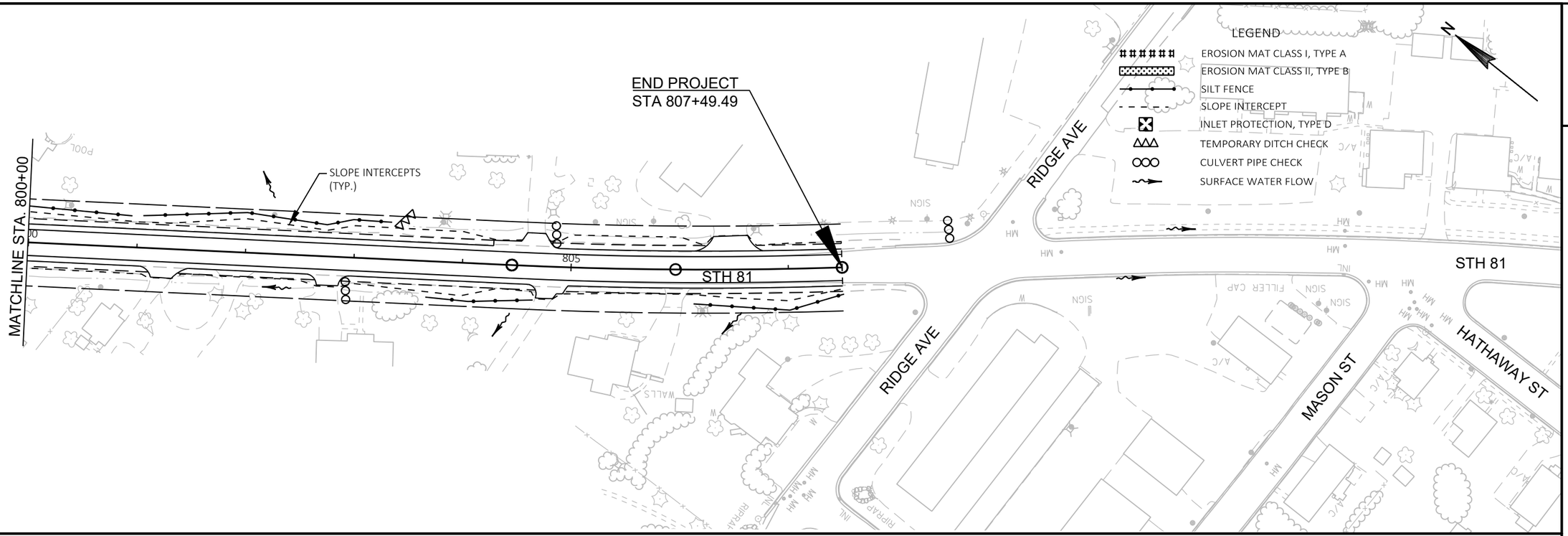




PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	EROSION CONTROL	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\022001_EC2.DWG
LAYOUT NAME - 22
PLOT DATE : 10/31/2019 10:02 AM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : ###########
WISDOT/CADDS SHEET 44

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
3. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
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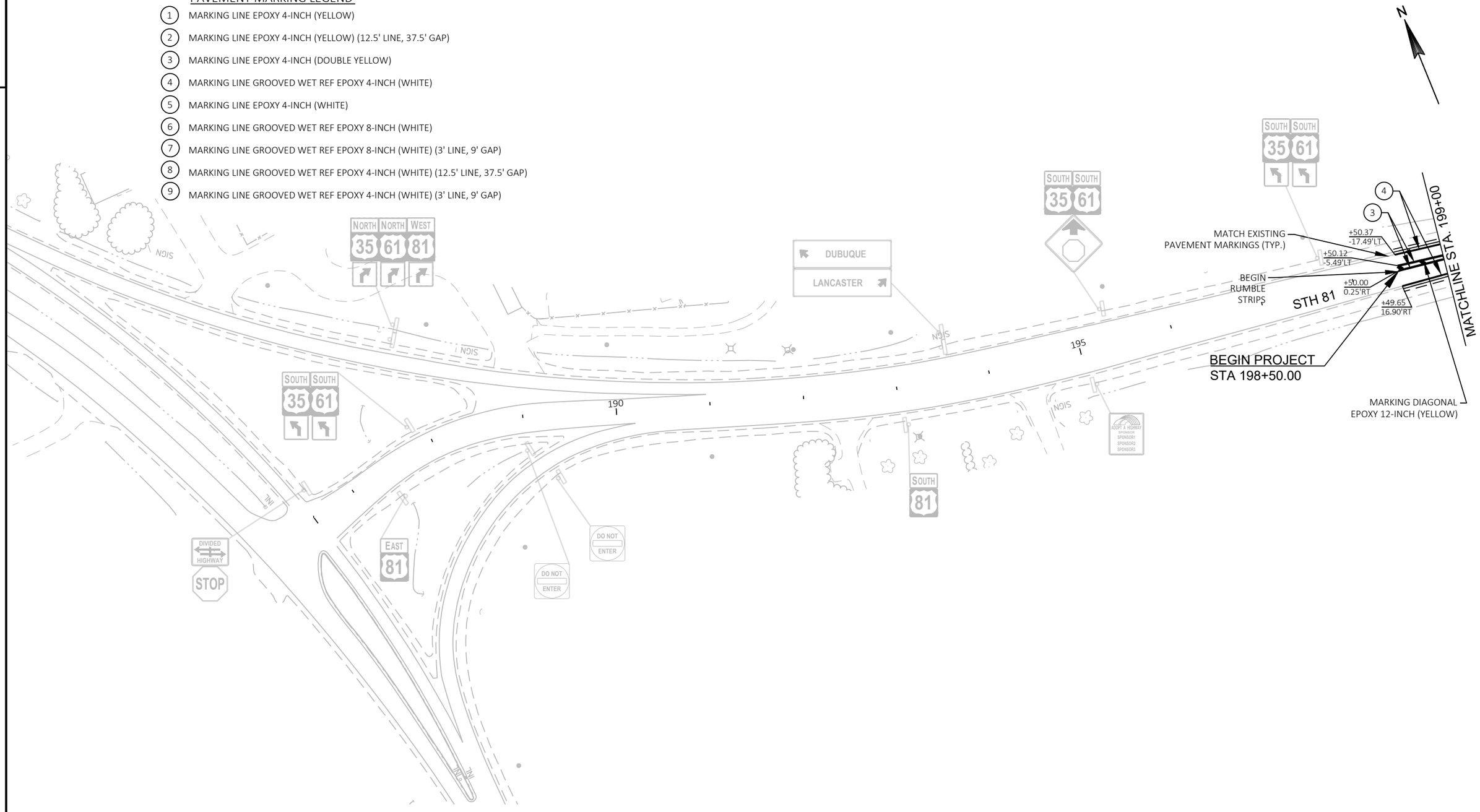
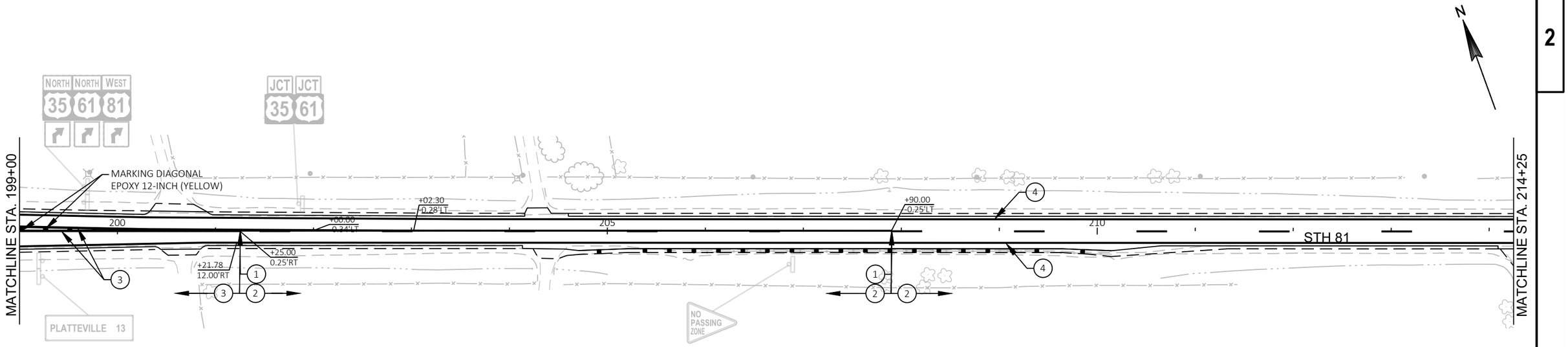
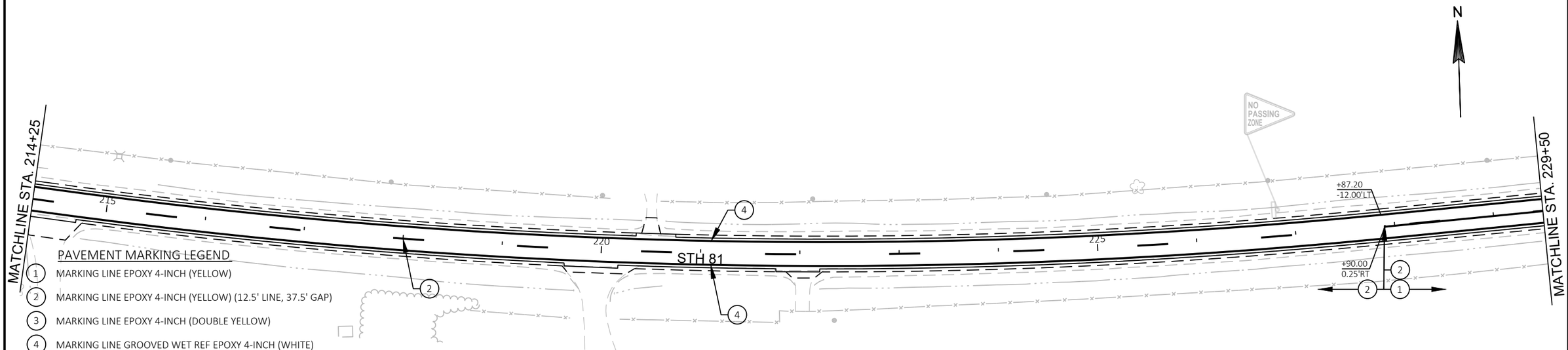


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E





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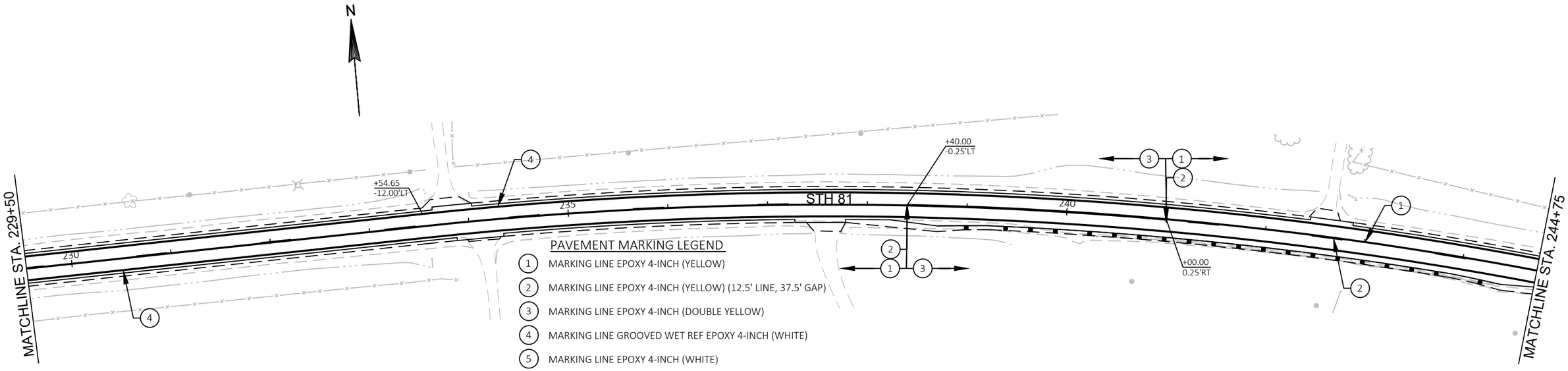
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E

2



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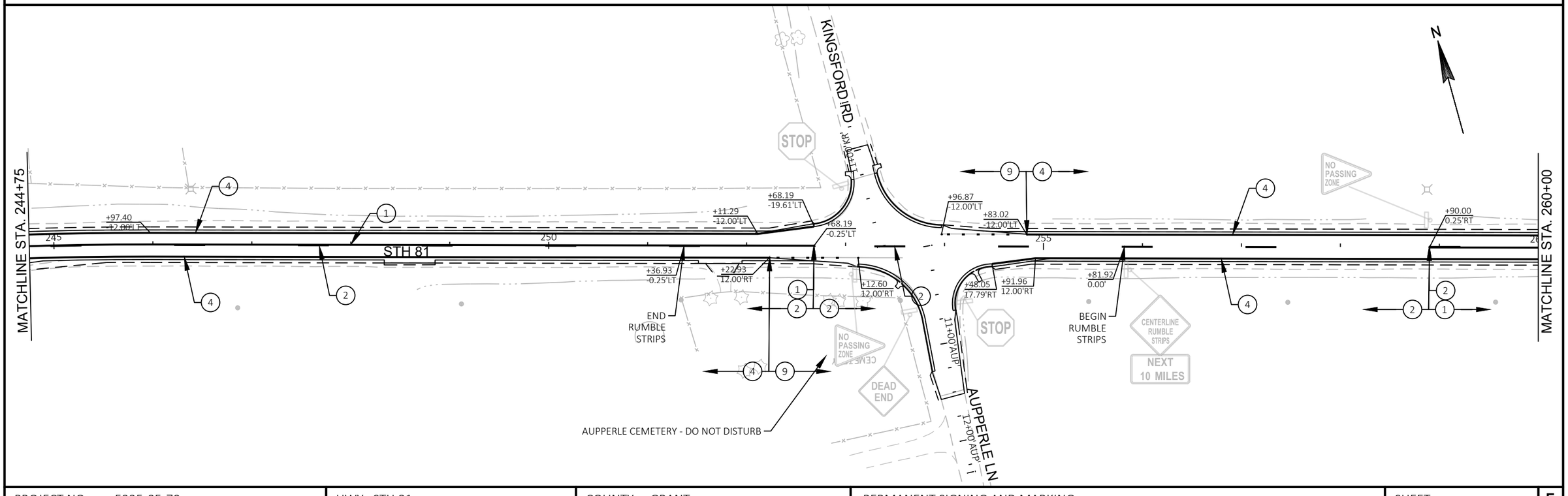
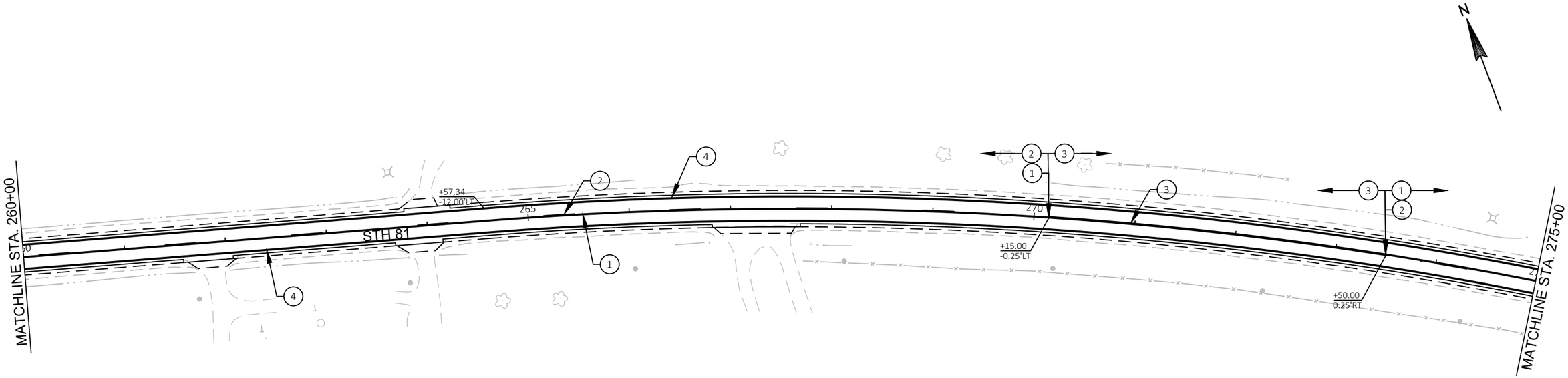
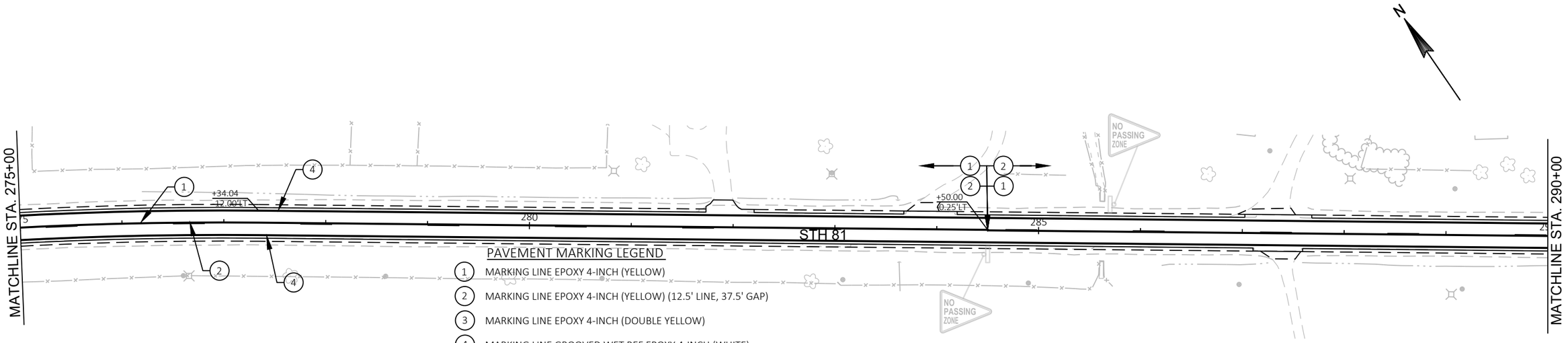


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E





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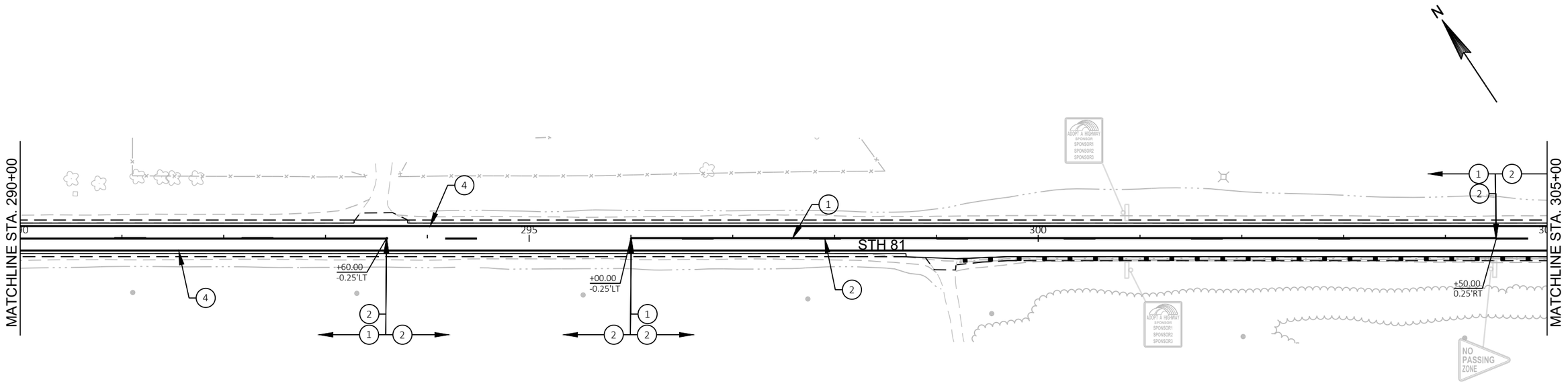
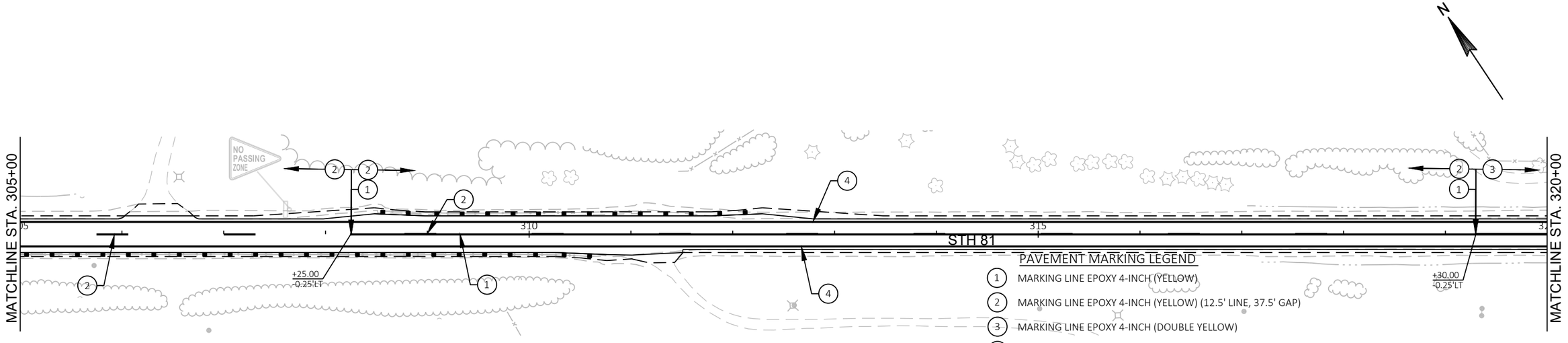
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E





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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E

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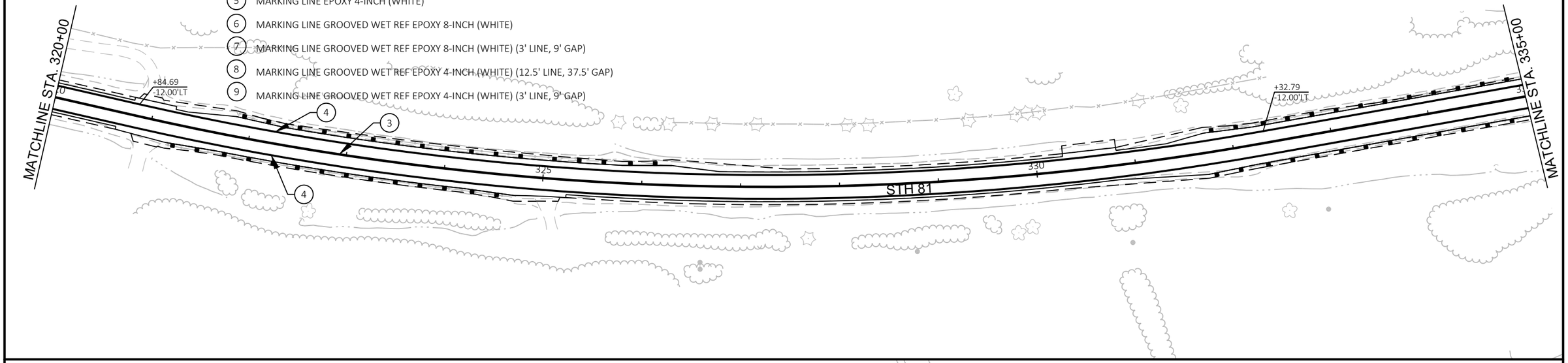

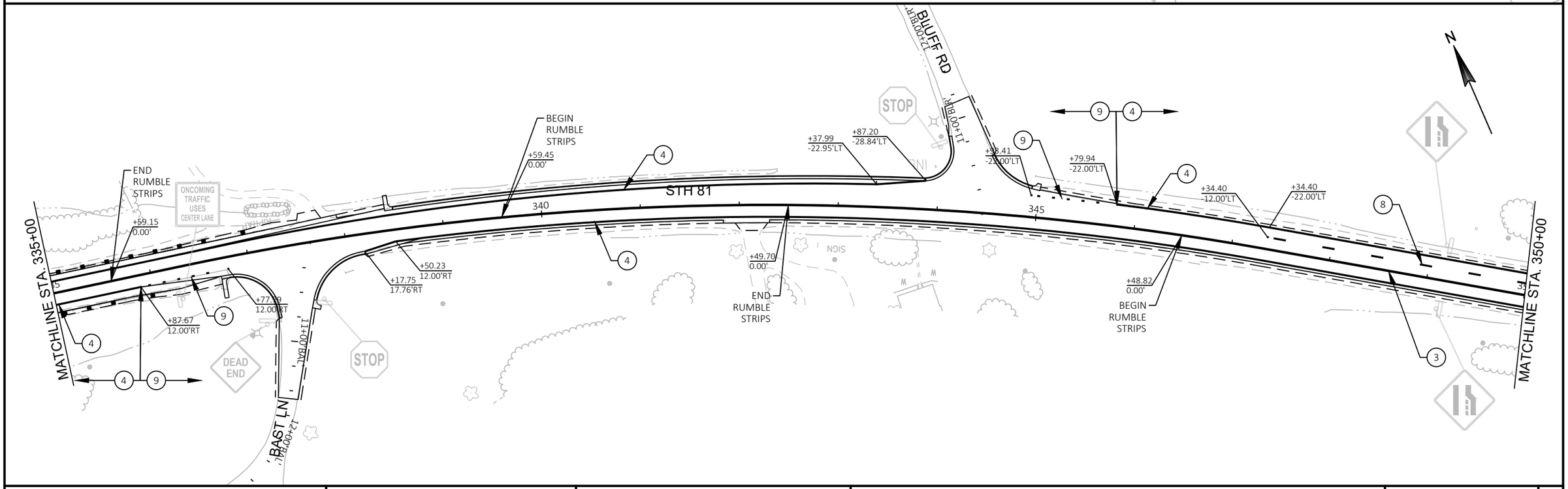

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E

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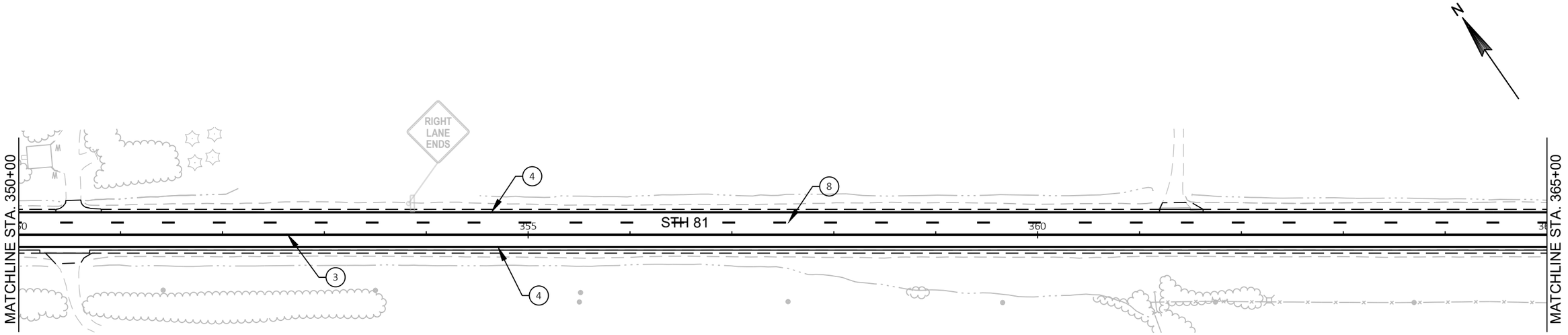

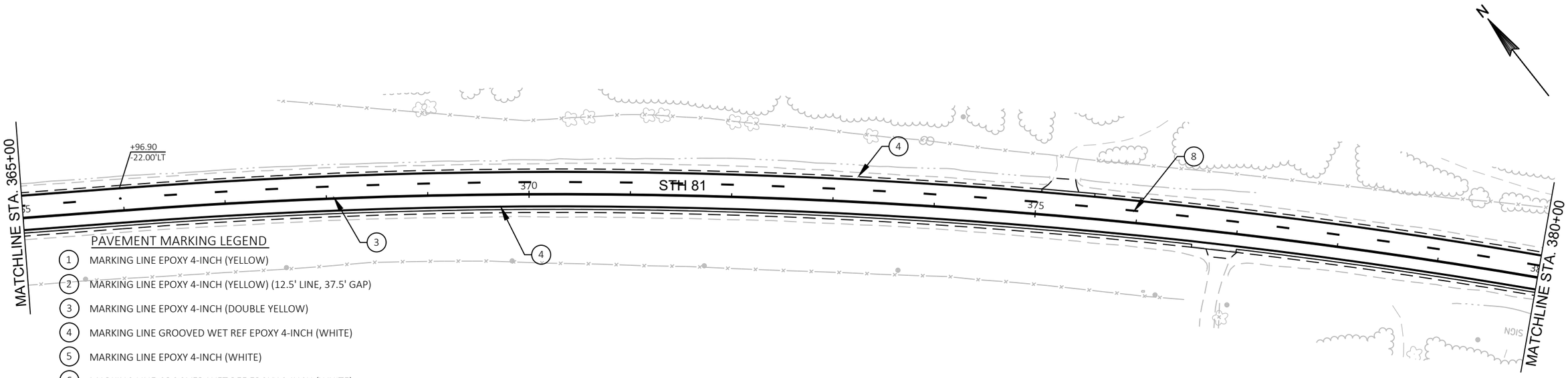

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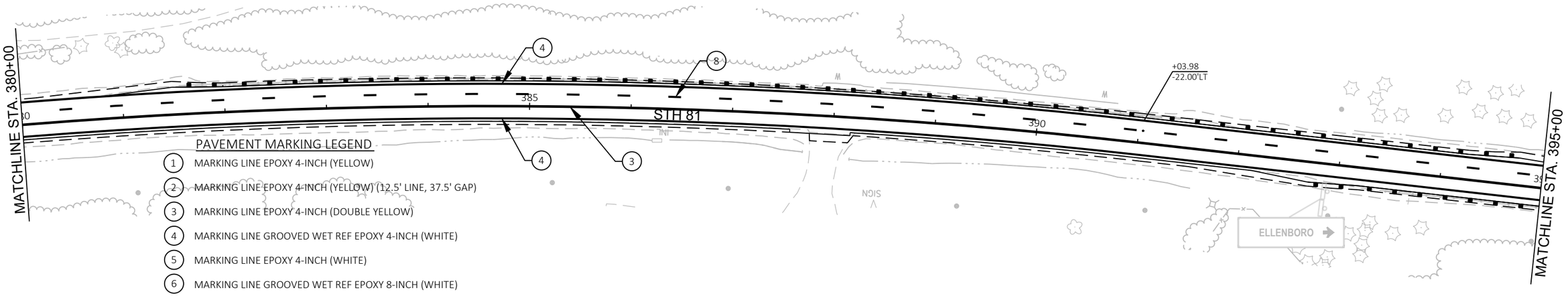

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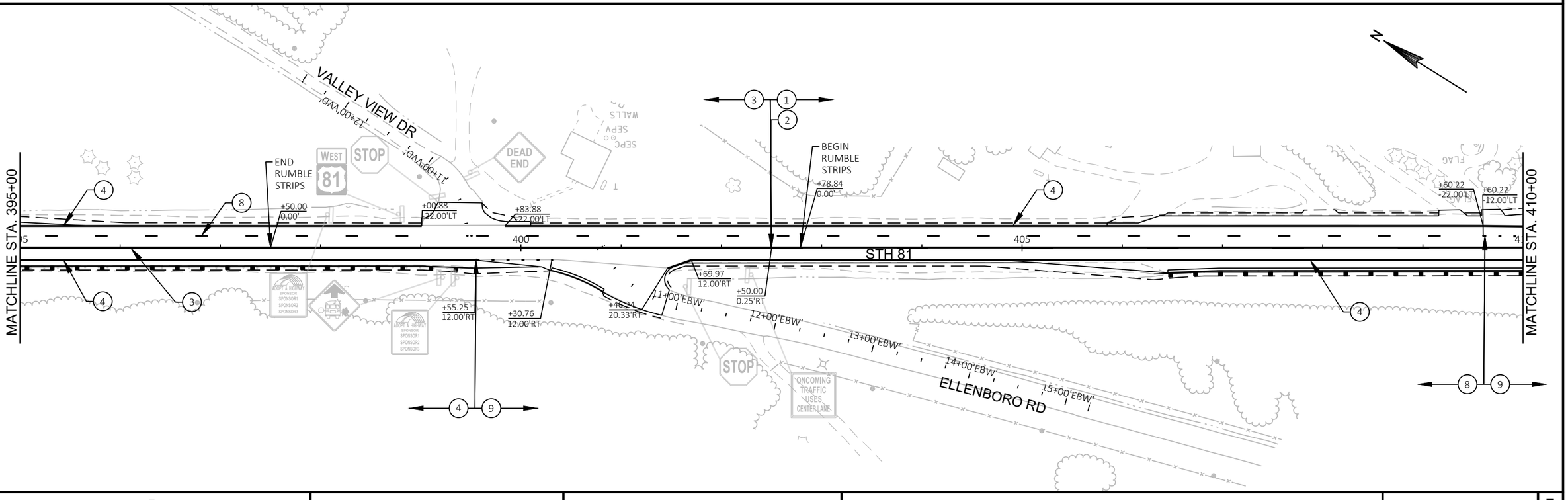
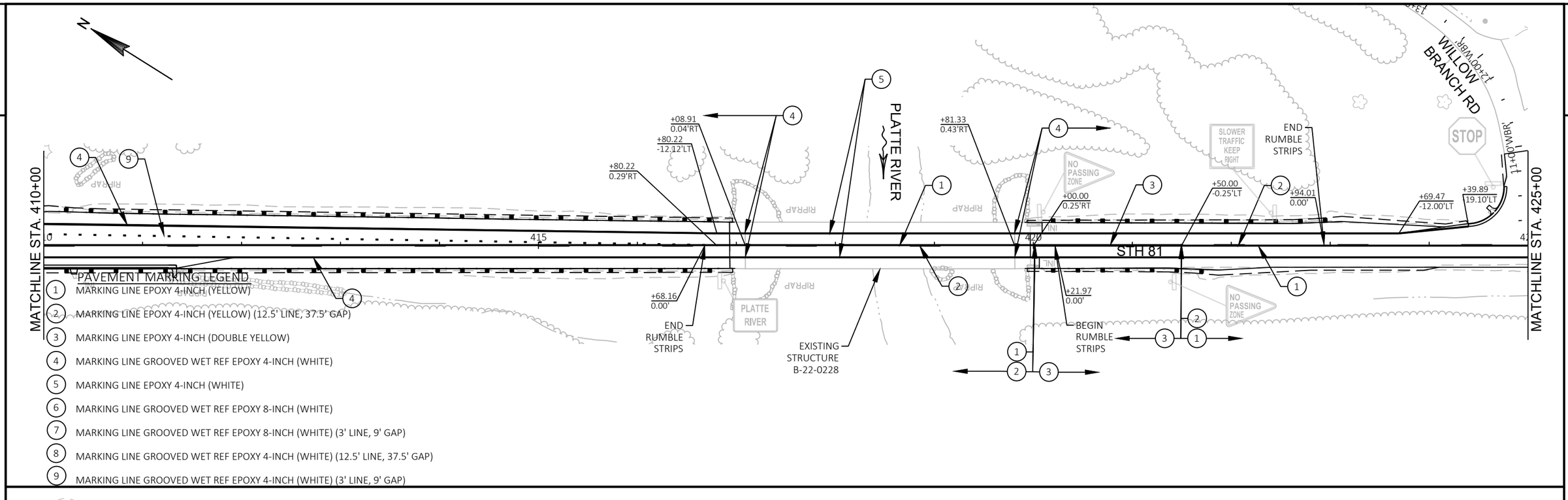


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E



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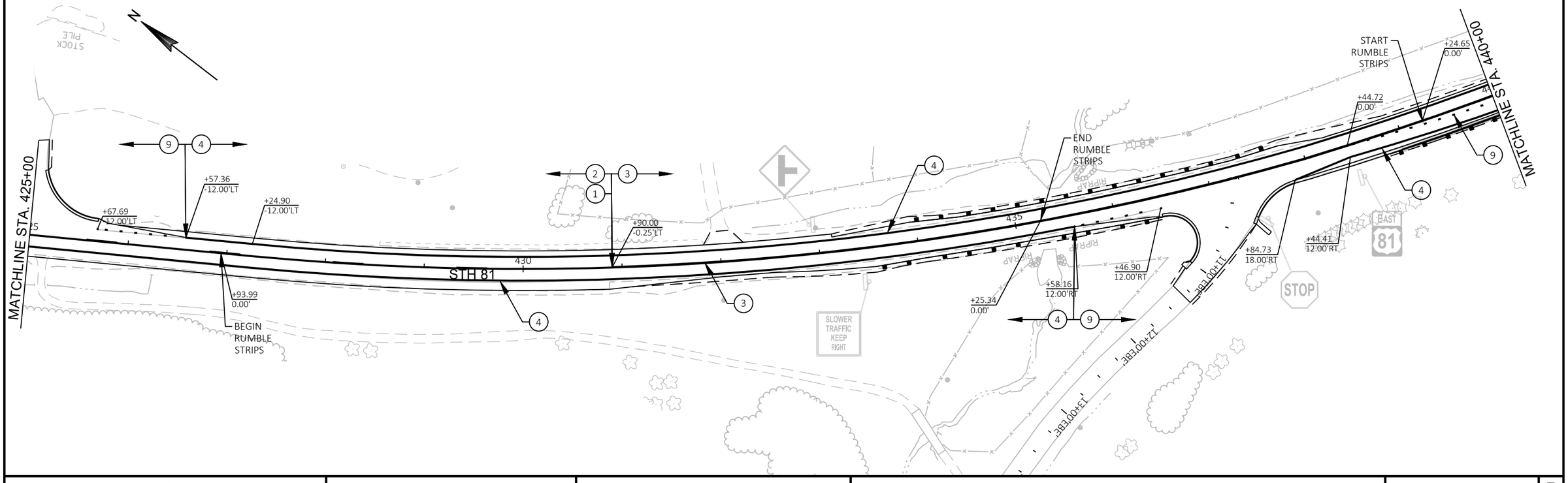

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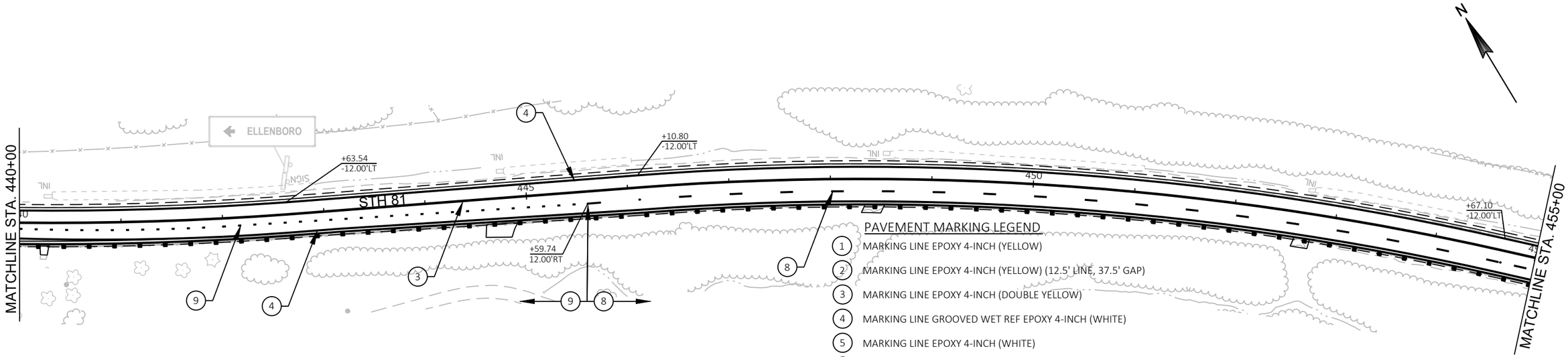

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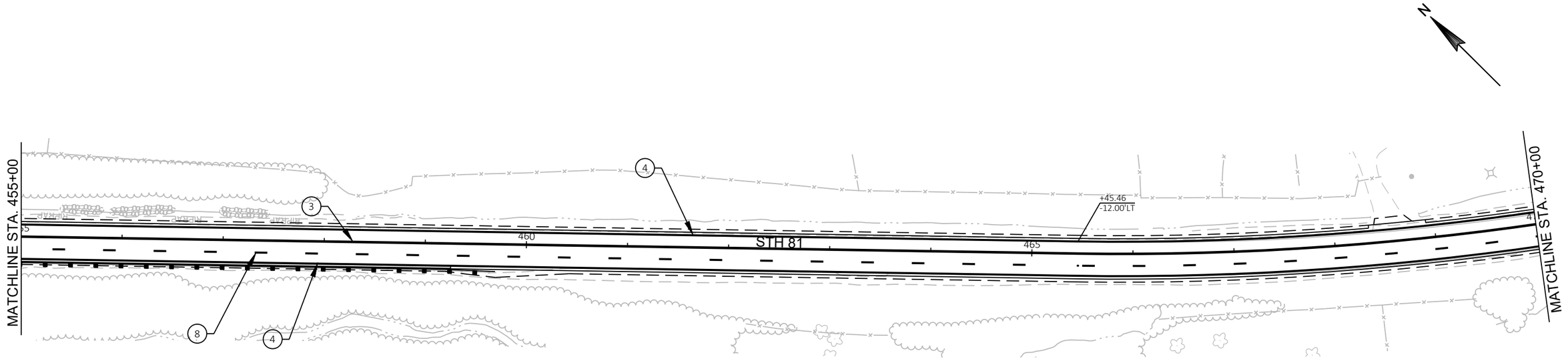

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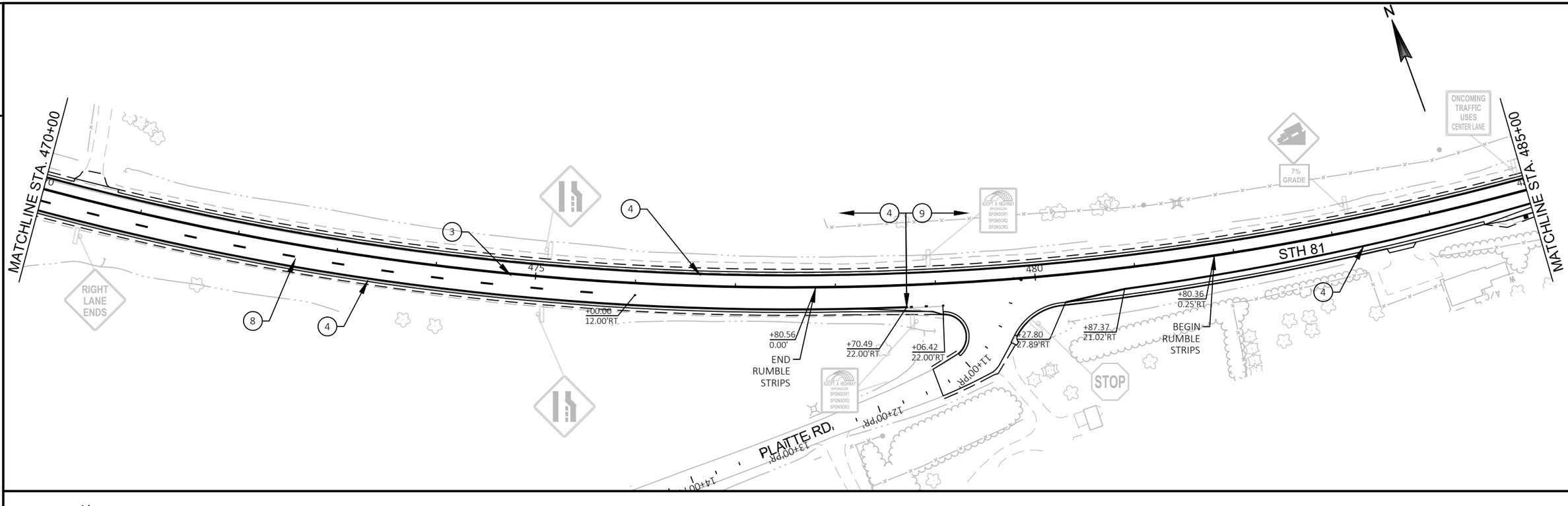

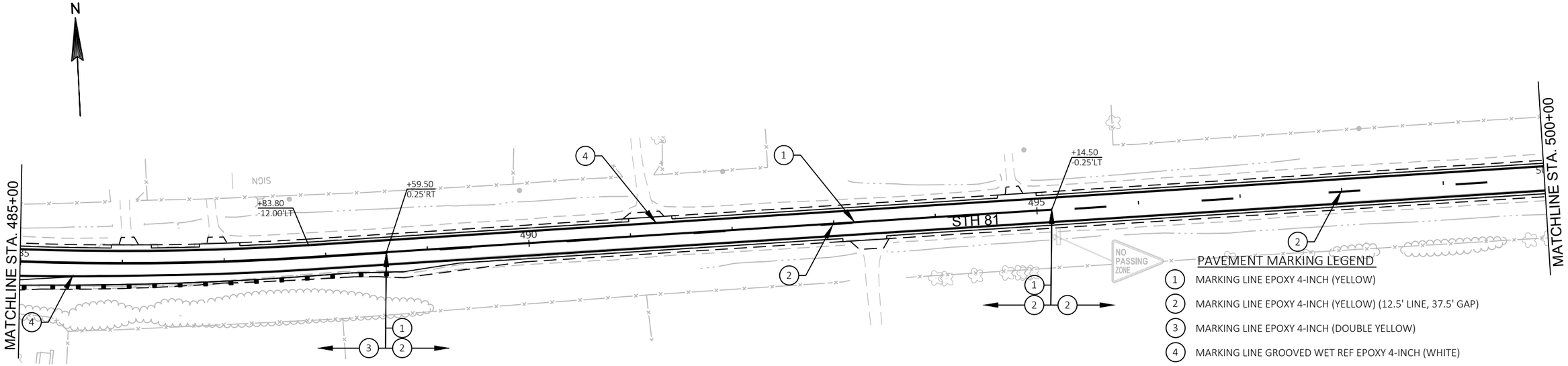

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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E

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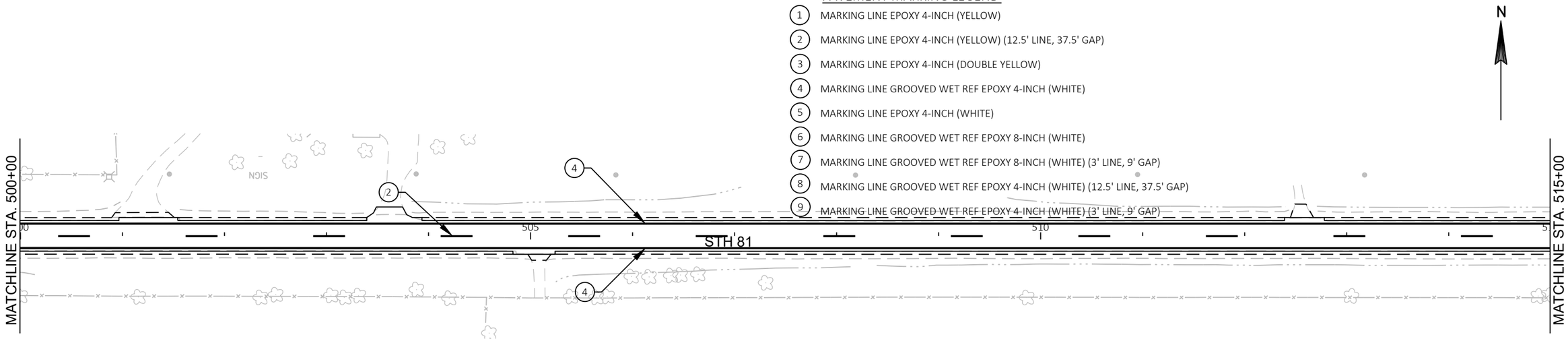
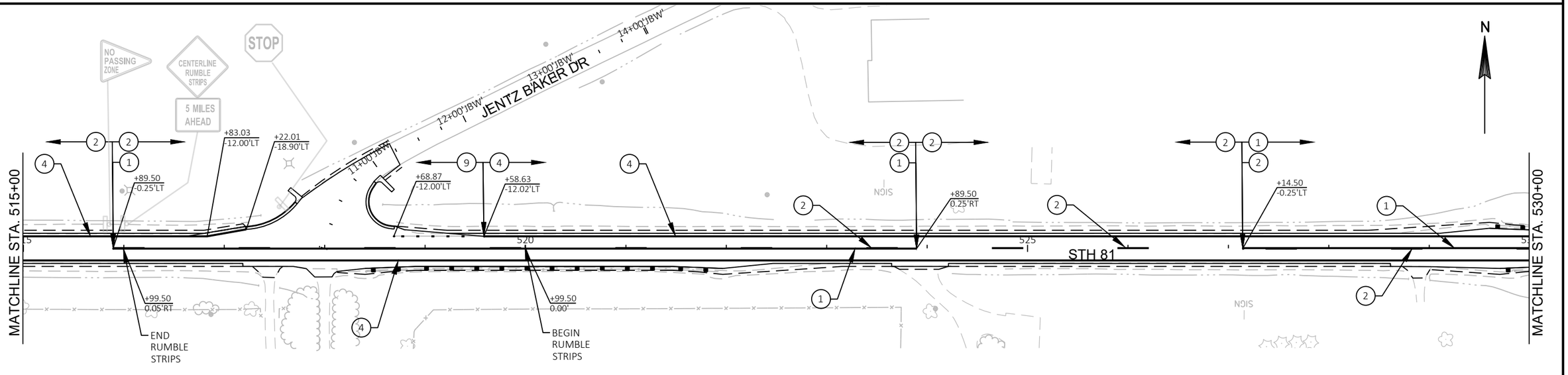
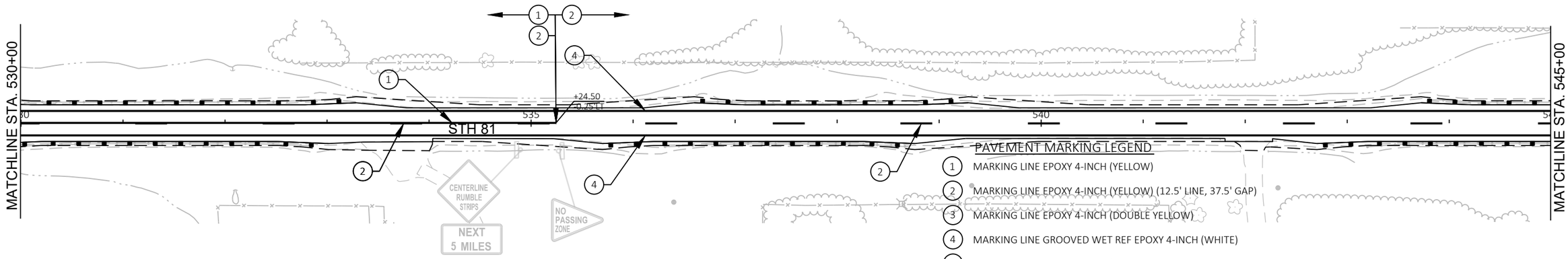




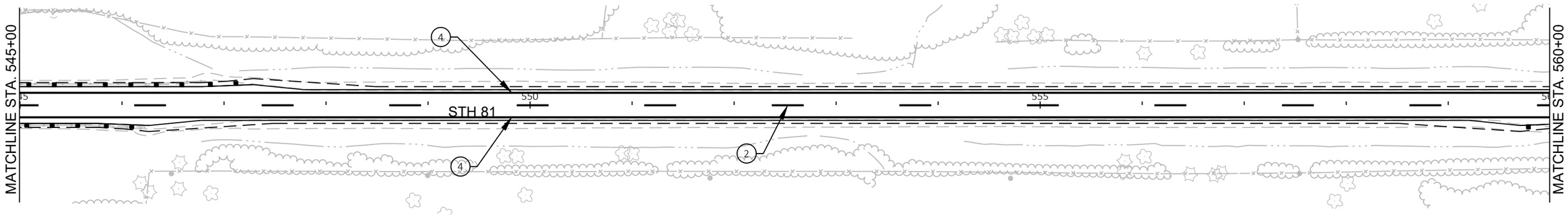
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E



N

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
3. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
8. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
9. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
3. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
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8. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
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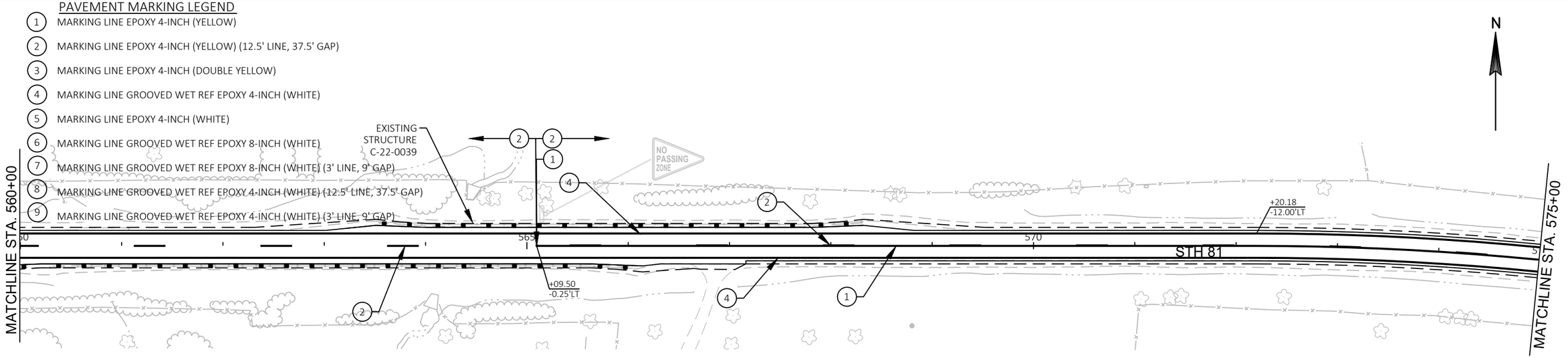
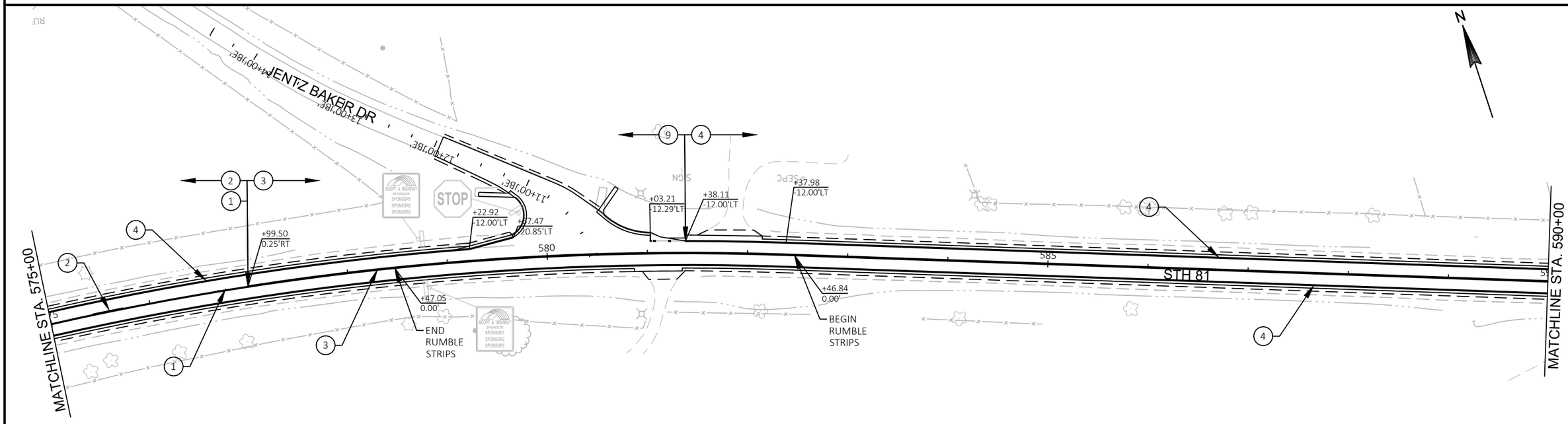


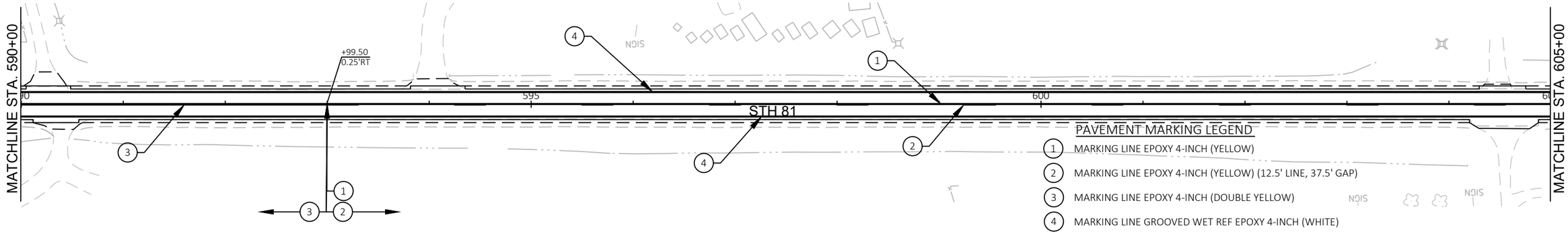


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\023201_PS.DWG
LAYOUT NAME - 14

PLOT DATE : 10/31/2019 7:42 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : ##########

2



PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
3. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
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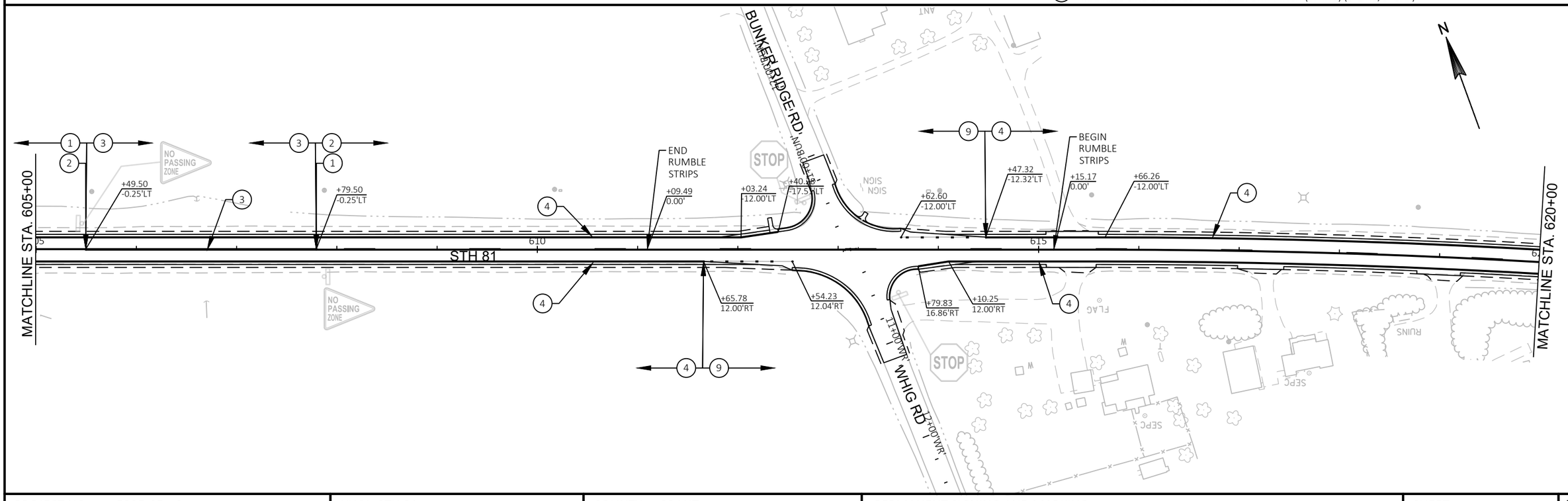
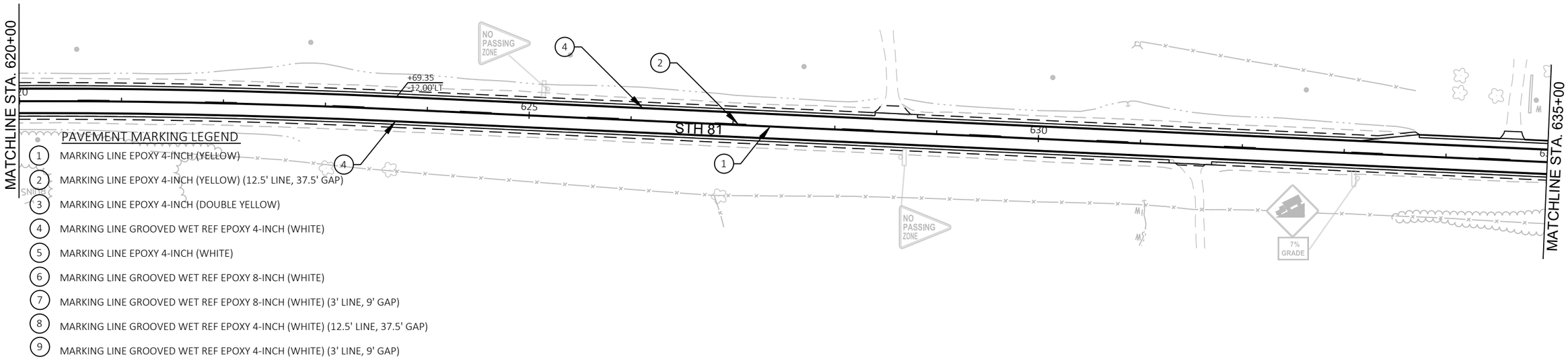


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E



PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
3. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
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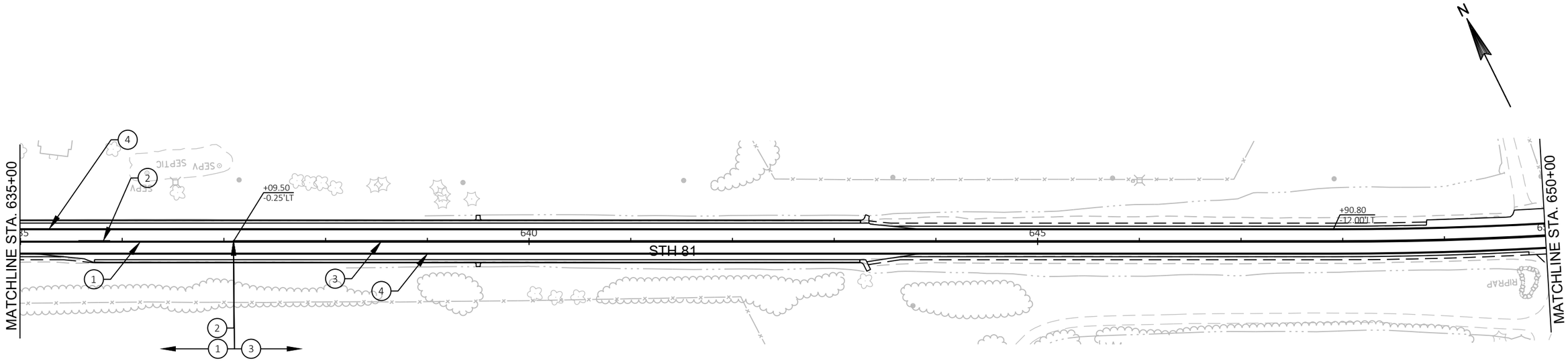
8. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
9. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
3. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
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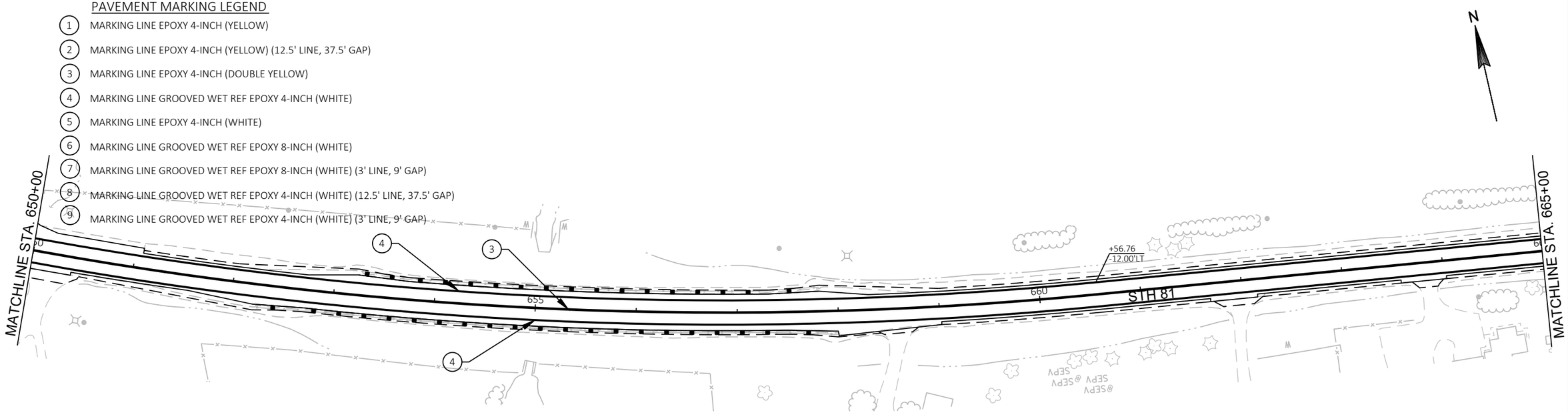

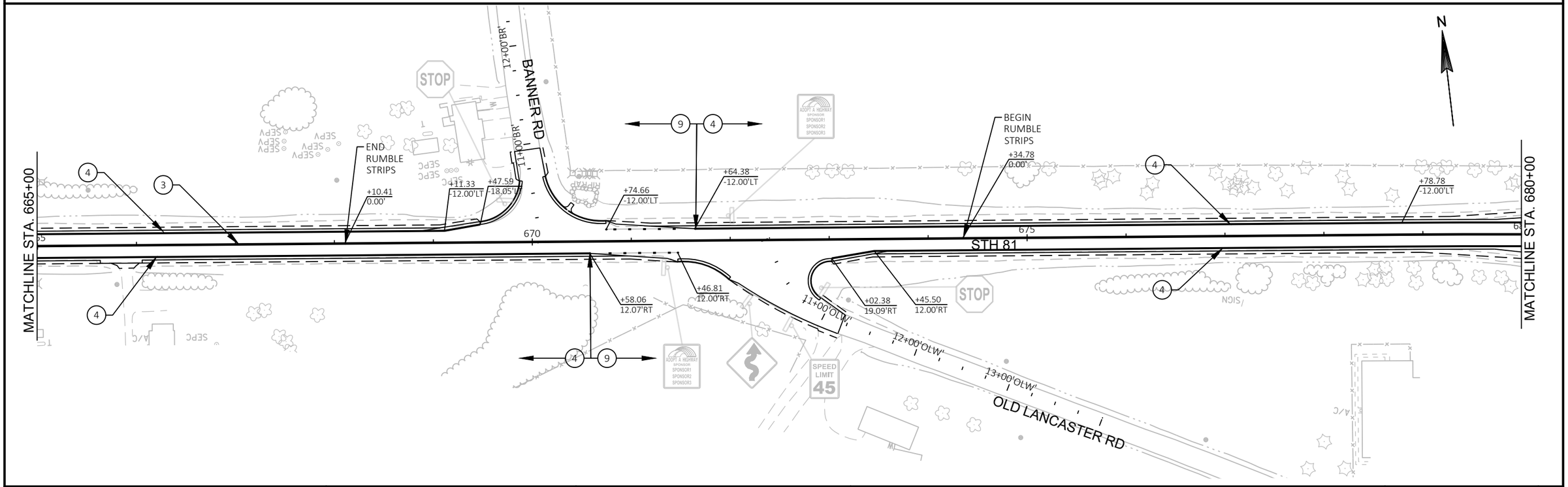

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\023201_PS.DWG
LAYOUT NAME - 17

PLOT DATE : 10/31/2019 7:46 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : ##########

2

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
3. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
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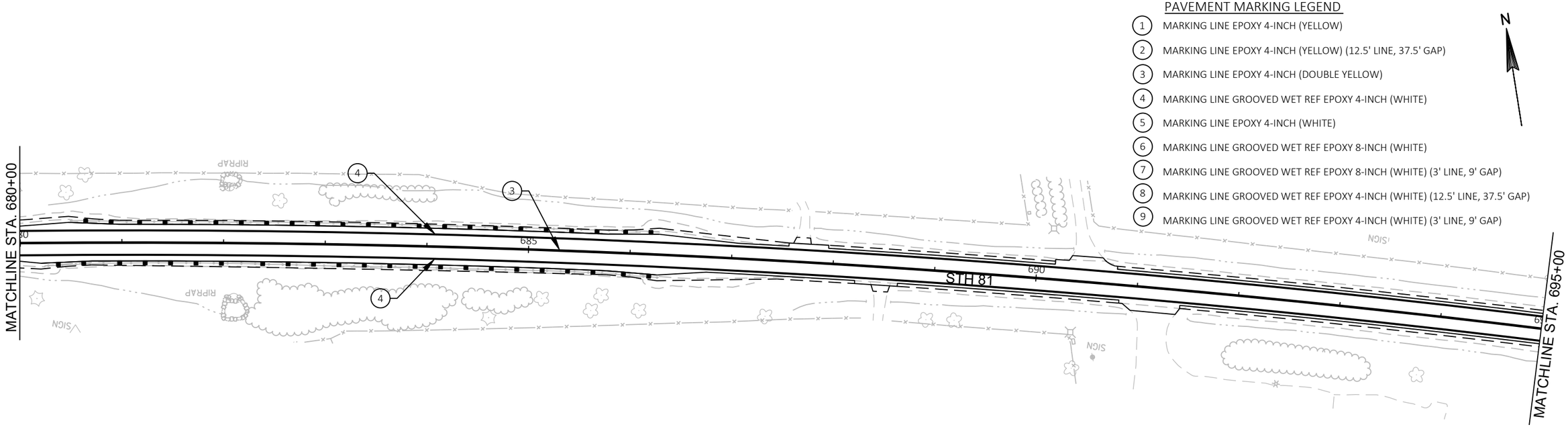
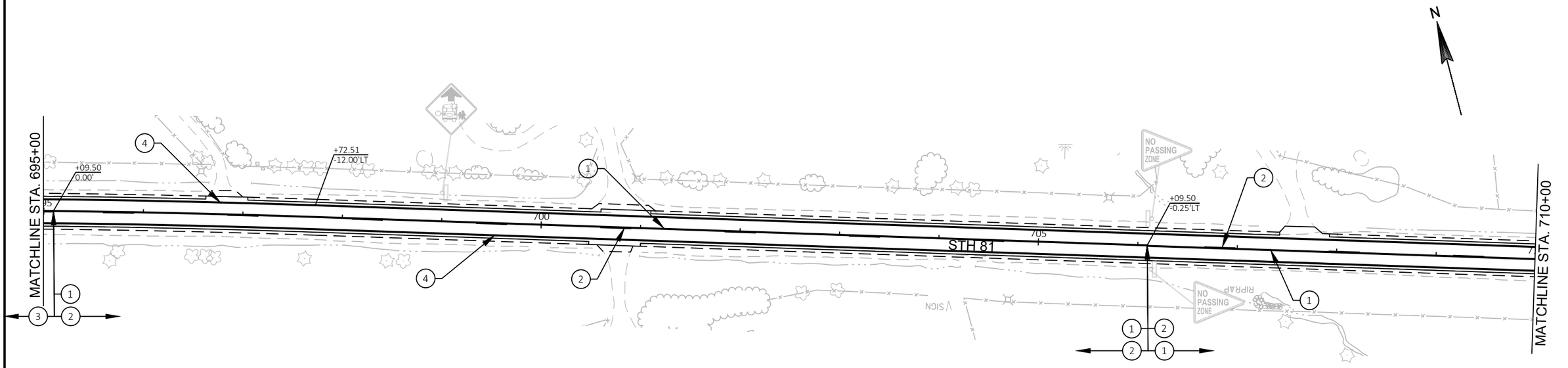
9. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
3. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
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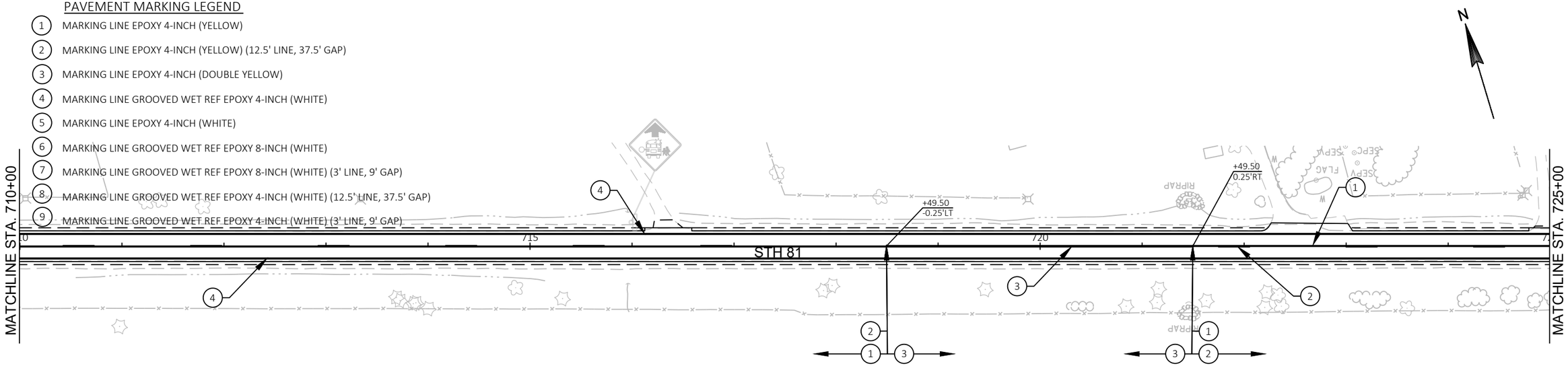

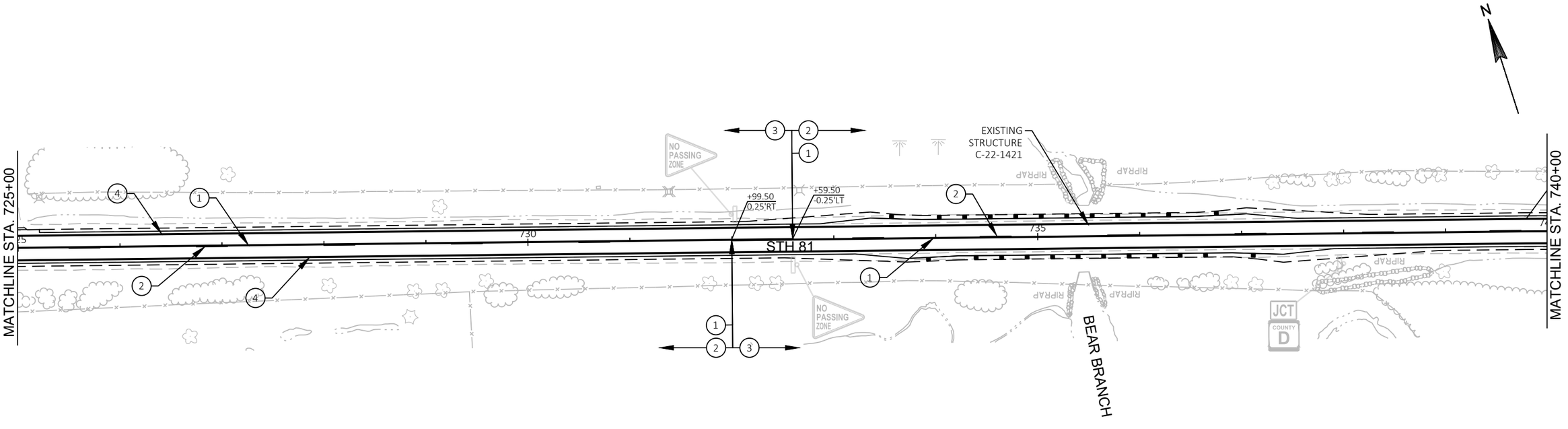

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
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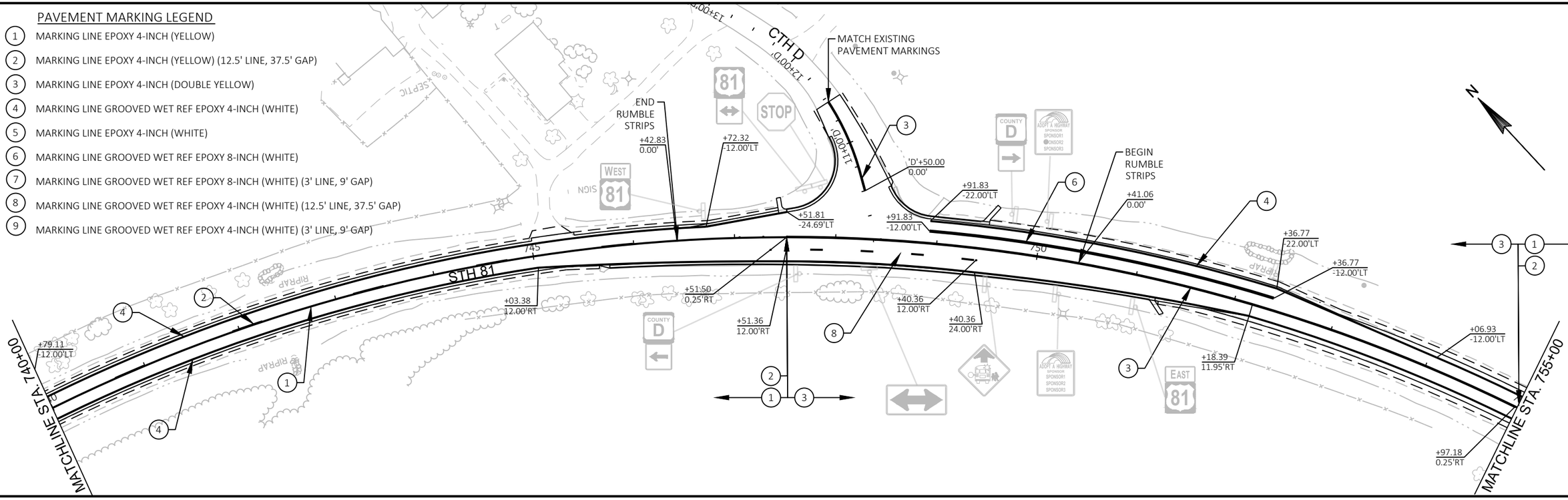
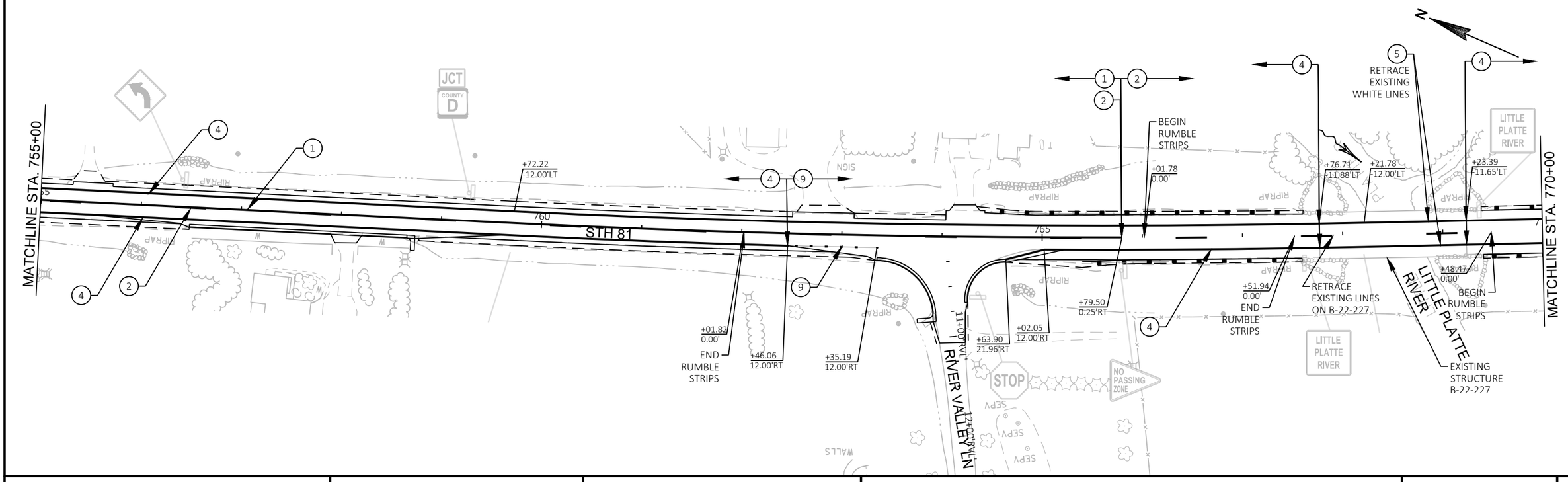
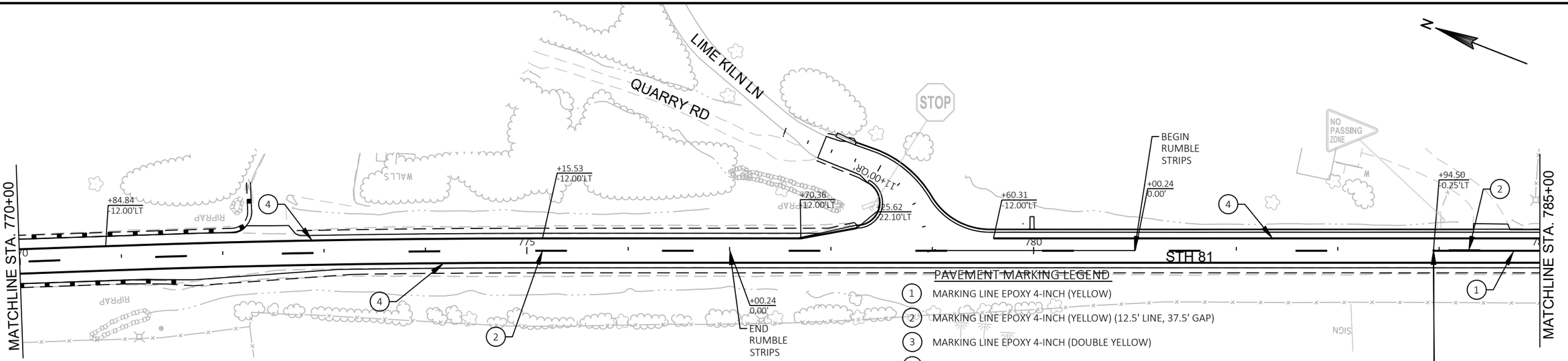




PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\023201_PS.DWG
LAYOUT NAME - 20

PLOT DATE : 10/31/2019 7:49 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : ##########



PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
3. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
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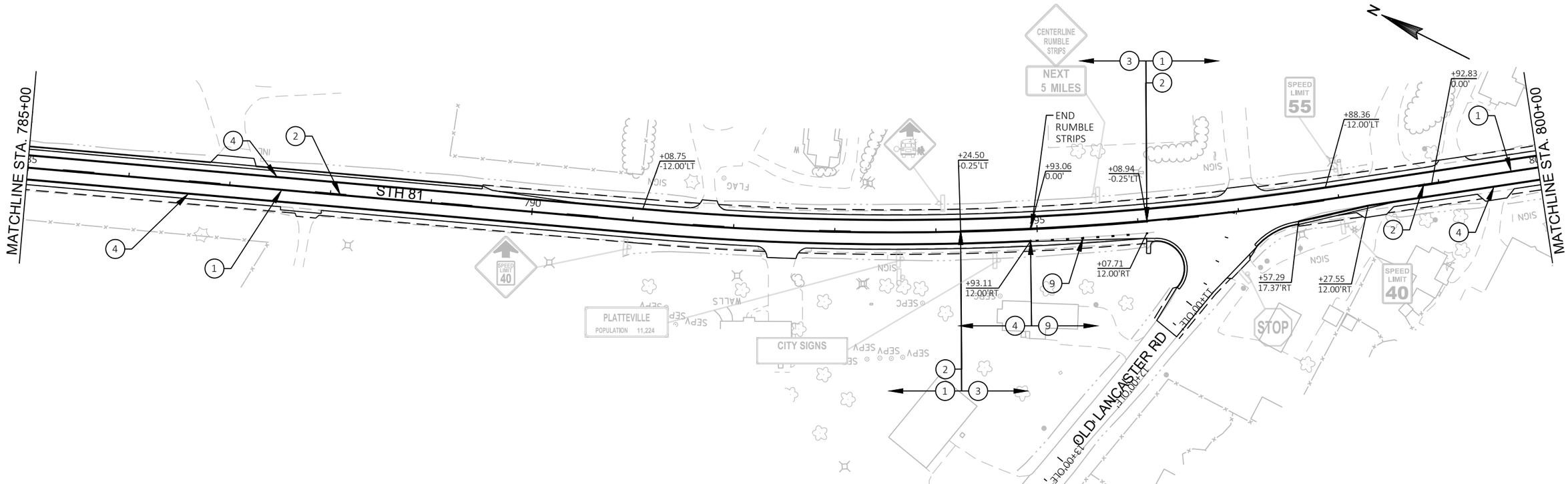
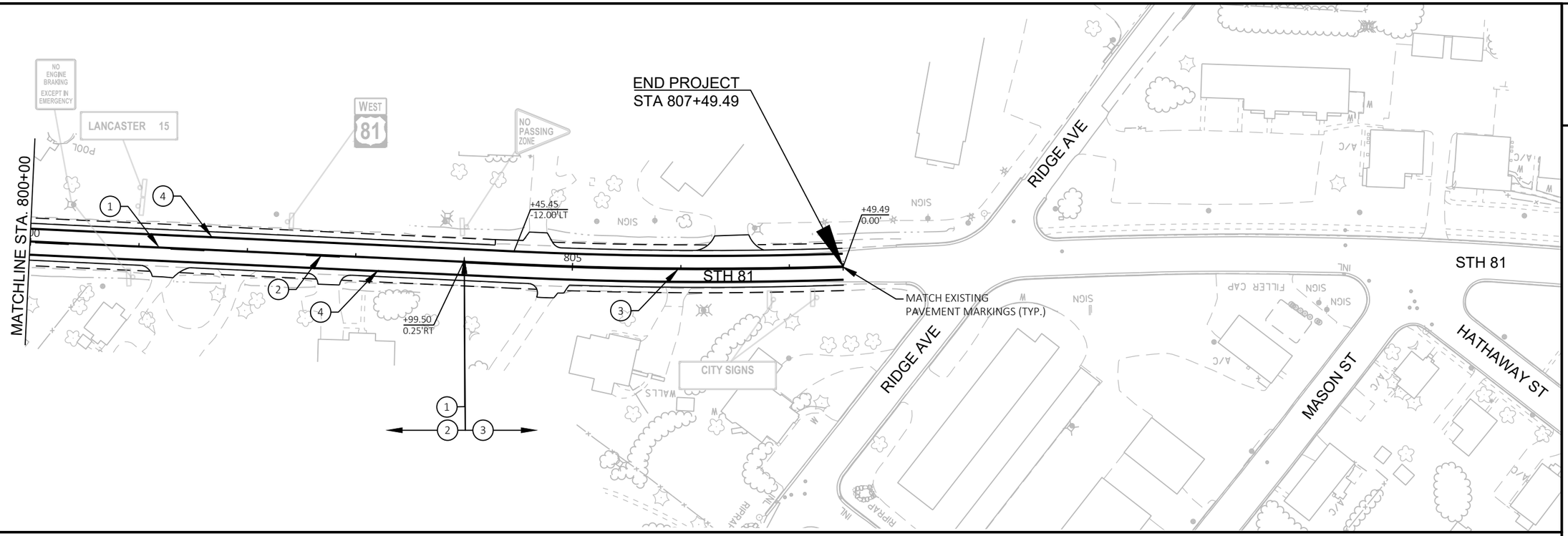
9. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E



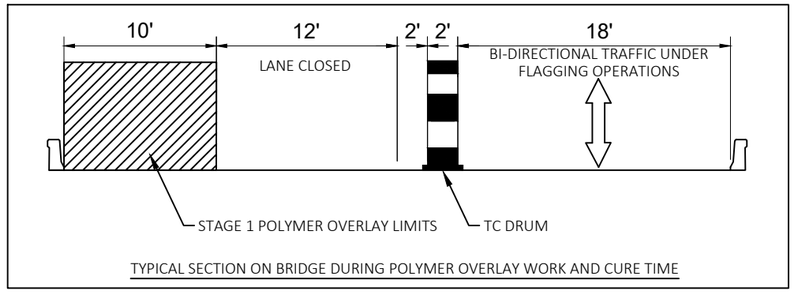
2

PAVEMENT MARKING LEGEND

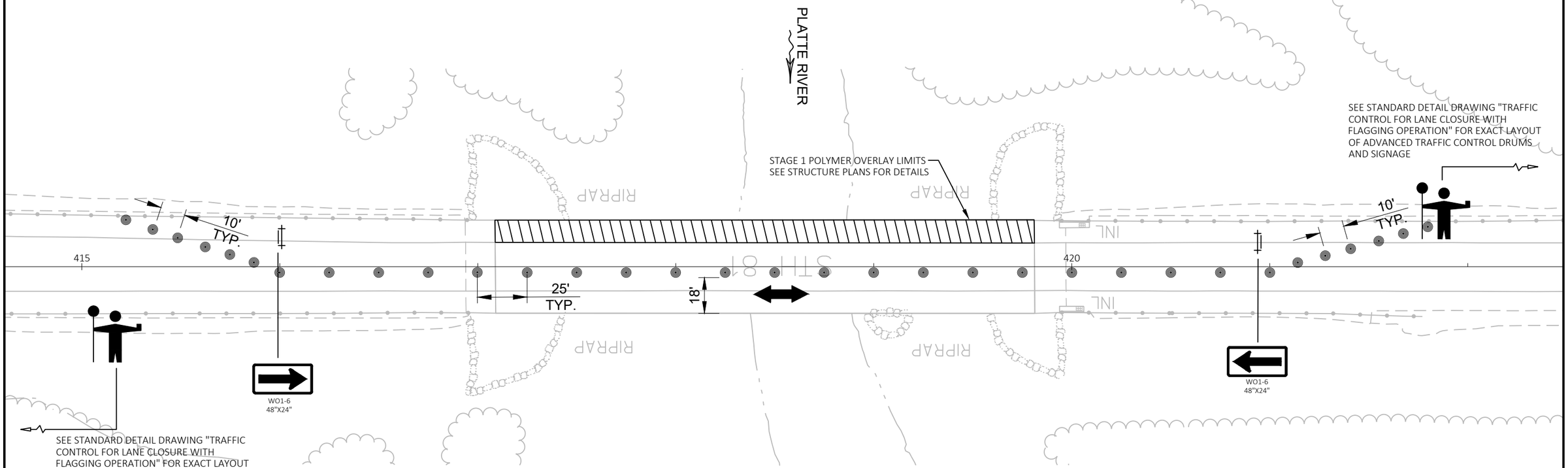
1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
3. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
4. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
8. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
9. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PERMANENT SIGNING AND MARKING	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\023201_PS.DWG
LAYOUT NAME - 22
PLOT DATE : 10/31/2019 10:04 AM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44



TYPICAL SECTION ON BRIDGE DURING POLYMER OVERLAY WORK AND CURE TIME



LEGEND

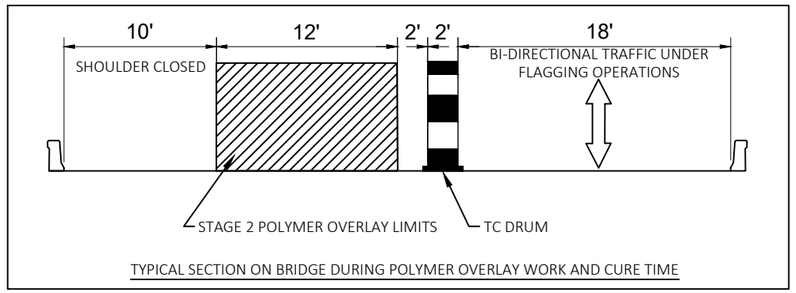
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

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

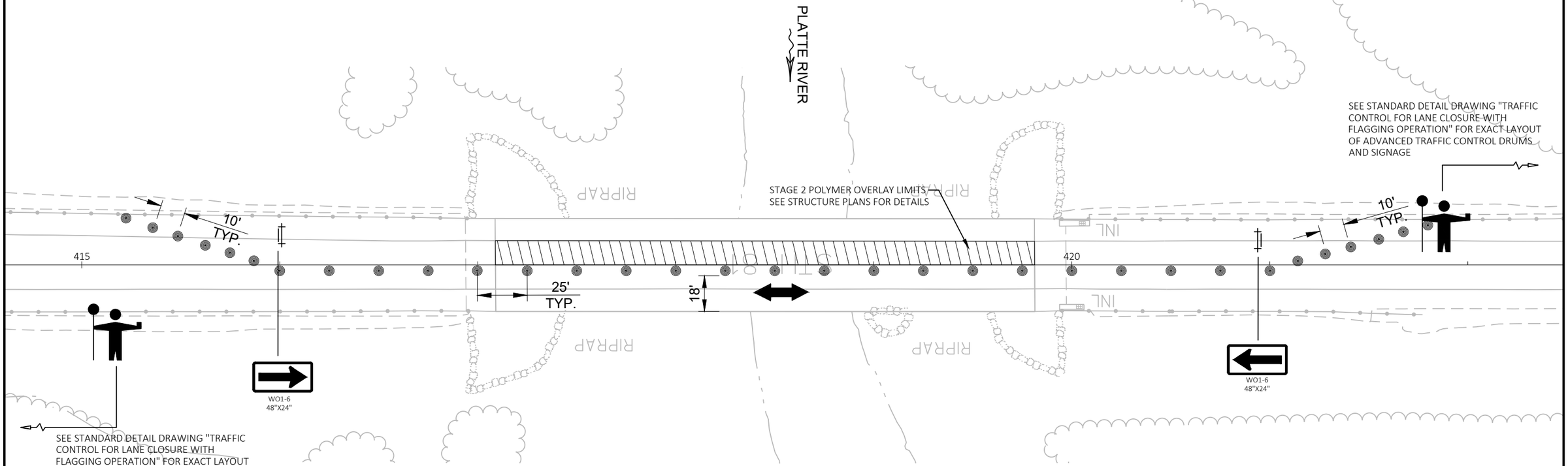
FLAGGING OPERATIONS MUST REMAIN IN PLACE UNTIL POLYMER OVERLAY IS CURED TO A POINT WHERE TRAFFIC WILL NOT DAMAGE THE POLYMER OVERLAY. AT THAT POINT, TRAFFIC WILL RETURN TO THE ORIGINAL LANES. DRUMS SHALL BE USED TO DELINEATE THE CENTERLINE IF PAVEMENT MARKINGS ARE COVERED.

THE CONTRACTOR HAS THE OPTION TO COMBINE STAGE 1 WITH STAGE 2 AND STAGE 3 WITH STAGE 4 TO COMPLETE THE POLYMER OVERLAY IN HALVES IF ALL OTHER SPECIFICATIONS AND REQUIREMENTS ARE FULFILLED.

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TRAFFIC CONTROL - B-22-228 - STAGE 1	SHEET	E



TYPICAL SECTION ON BRIDGE DURING POLYMER OVERLAY WORK AND CURE TIME



LEGEND

- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

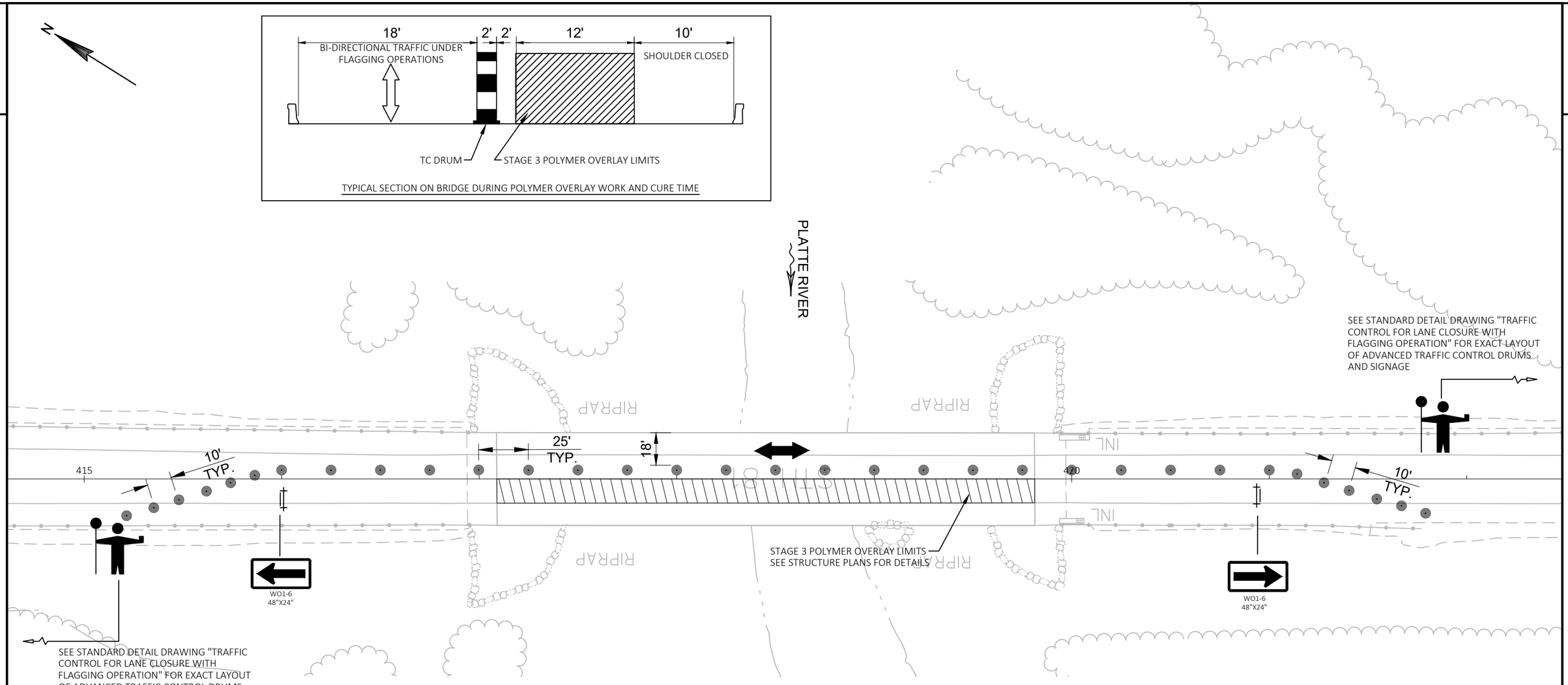
NOTES:
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

FLAGGING OPERATIONS MUST REMAIN IN PLACE UNTIL POLYMER OVERLAY IS CURED TO A POINT WHERE TRAFFIC WILL NOT DAMAGE THE POLYMER OVERLAY. AT THAT POINT, TRAFFIC WILL RETURN TO THE ORIGINAL LANES. DRUMS SHALL BE USED TO DELINEATE THE CENTERLINE IF PAVEMENT MARKINGS ARE COVERED.

THE CONTRACTOR HAS THE OPTION TO COMBINE STAGE 1 WITH STAGE 2 AND STAGE 3 WITH STAGE 4 TO COMPLETE THE POLYMER OVERLAY IN HALVES IF ALL OTHER SPECIFICATIONS AND REQUIREMENTS ARE FULFILLED.

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TRAFFIC CONTROL - B-22-228 - STAGE 2	SHEET	E

TYPICAL SECTION ON BRIDGE DURING POLYMER OVERLAY WORK AND CURE TIME



LEGEND

- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

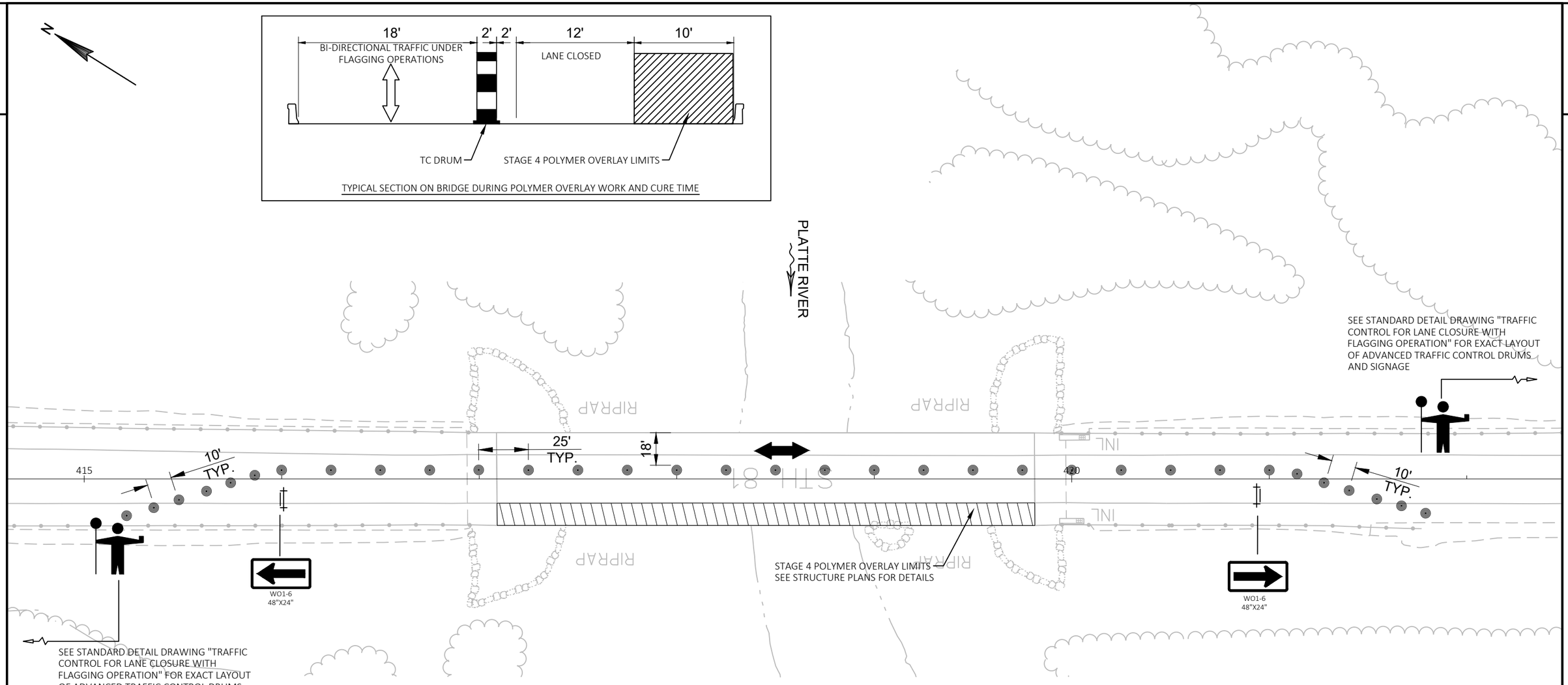
NOTES:
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

FLAGGING OPERATIONS MUST REMAIN IN PLACE UNTIL POLYMER OVERLAY IS CURED TO A POINT WHERE TRAFFIC WILL NOT DAMAGE THE POLYMER OVERLAY. AT THAT POINT, TRAFFIC WILL RETURN TO THE ORIGINAL LANES. DRUMS SHALL BE USED TO DELINEATE THE CENTERLINE IF PAVEMENT MARKINGS ARE COVERED.

THE CONTRACTOR HAS THE OPTION TO COMBINE STAGE 1 WITH STAGE 2 AND STAGE 3 WITH STAGE 4 TO COMPLETE THE POLYMER OVERLAY IN HALVES IF ALL OTHER SPECIFICATIONS AND REQUIREMENTS ARE FULFILLED.

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TRAFFIC CONTROL - B-22-228 - STAGE 3	SHEET	E

TYPICAL SECTION ON BRIDGE DURING POLYMER OVERLAY WORK AND CURE TIME



LEGEND

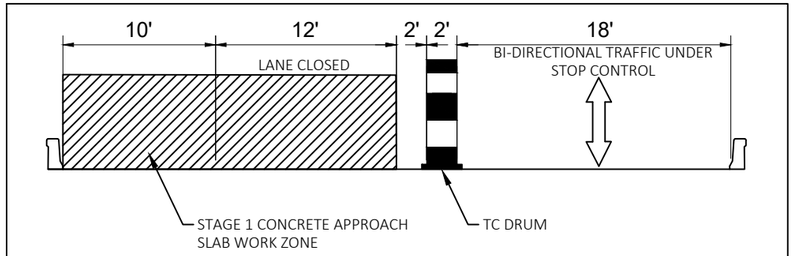
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

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

FLAGGING OPERATIONS MUST REMAIN IN PLACE UNTIL POLYMER OVERLAY IS CURED TO A POINT WHERE TRAFFIC WILL NOT DAMAGE THE POLYMER OVERLAY. AT THAT POINT, TRAFFIC WILL RETURN TO THE ORIGINAL LANES. DRUMS SHALL BE USED TO DELINEATE THE CENTERLINE IF PAVEMENT MARKINGS ARE COVERED.

THE CONTRACTOR HAS THE OPTION TO COMBINE STAGE 1 WITH STAGE 2 AND STAGE 3 WITH STAGE 4 TO COMPLETE THE POLYMER OVERLAY IN HALVES IF ALL OTHER SPECIFICATIONS AND REQUIREMENTS ARE FULFILLED.

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TRAFFIC CONTROL - B-22-228 - STAGE 4	SHEET	E



TYPICAL SECTION ON BRIDGE DURING CONCRETE APPROACH SLAB WORK AND CURE TIME

2

STAGE 1 CONCRETE APPROACH SLAB LIMITS

SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION" FOR EXACT LAYOUT OF ADVANCED TRAFFIC CONTROL DRUMS AND SIGNAGE

STOP
R1-1
36"X36"

10' TYP.

765

770

50' TYP.

18'

SH 81

LITTLE PLATTE RIVER

RIPRAP

WO1-6
48"X24"

WO1-4R
48"X48"

SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION" FOR EXACT LAYOUT OF ADVANCED TRAFFIC CONTROL DRUMS AND SIGNAGE

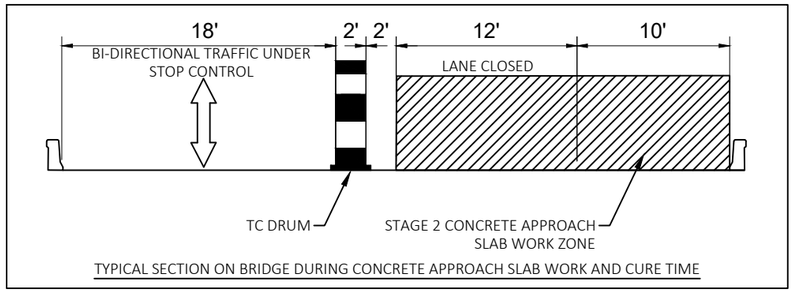
NOTES:
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

LEGEND

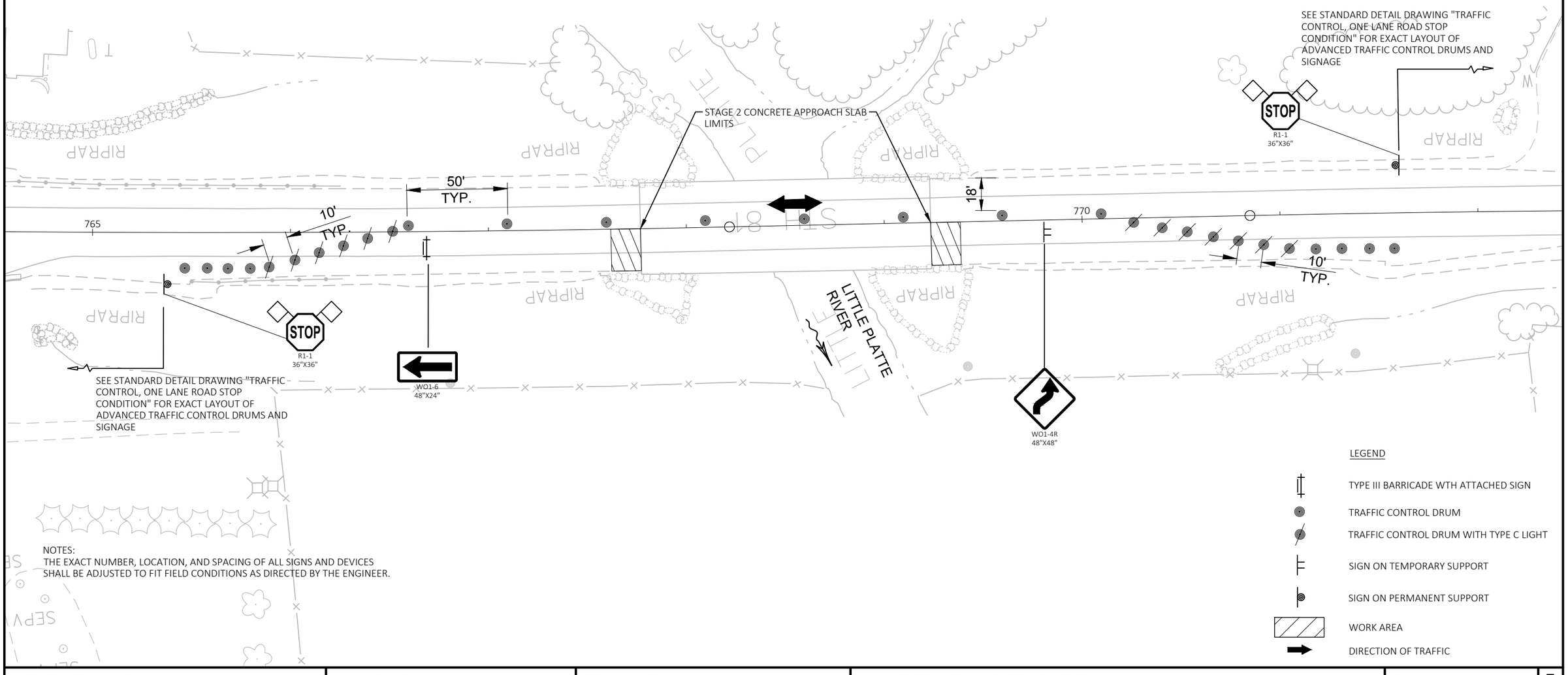
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C LIGHT
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TRAFFIC CONTROL - B-22-227 - STAGE 1	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\025001_TC.DWG
LAYOUT NAME - 227_STAGE 1
PLOT DATE : 10/30/2019 10:14 AM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

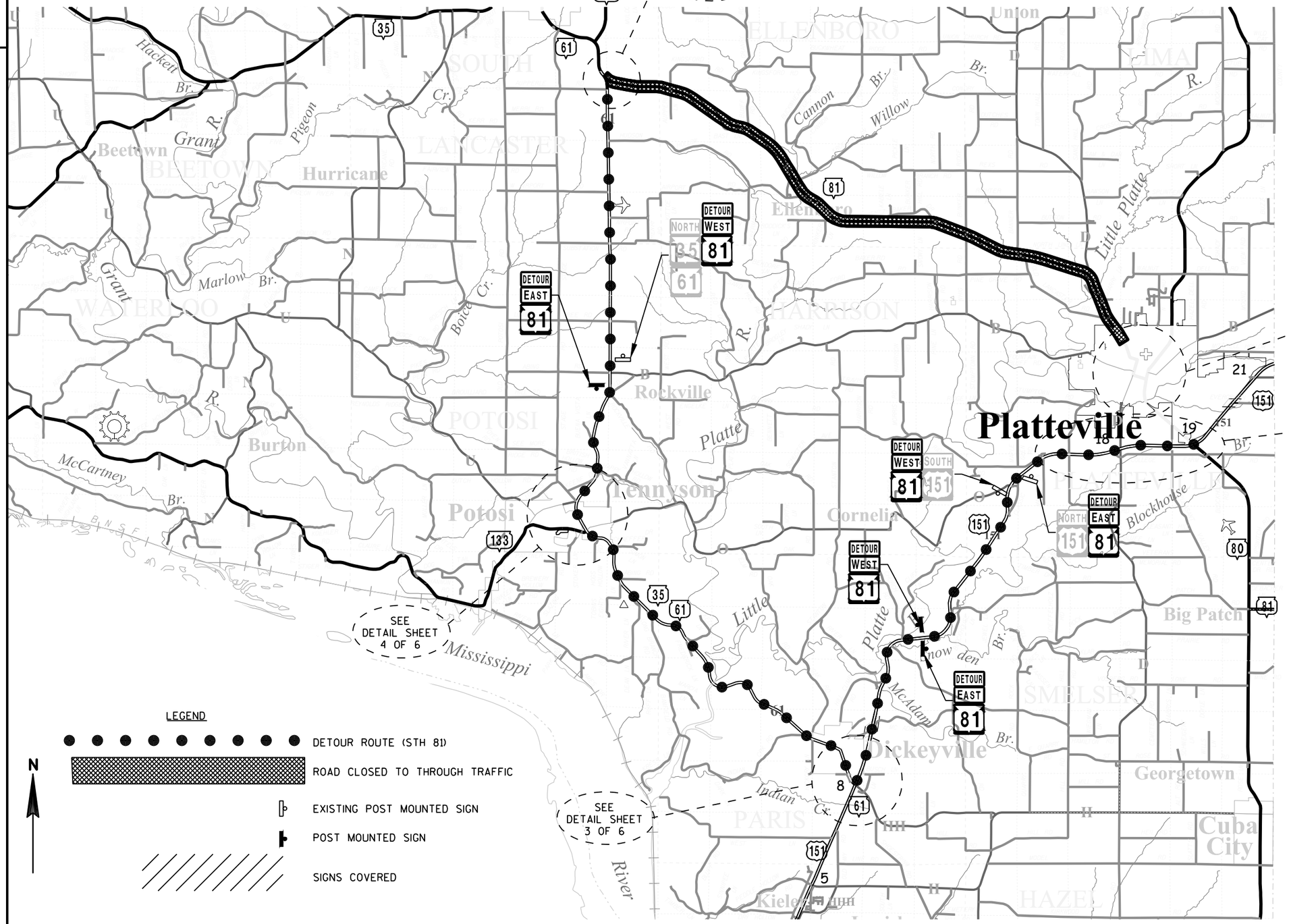


TYPICAL SECTION ON BRIDGE DURING CONCRETE APPROACH SLAB WORK AND CURE TIME



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

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	TRAFFIC CONTROL - B-22-227 - STAGE 2	SHEET	E



	SIZE 2	SIZE 3
151	M1-4 24"X24"	M1-4 36"X36"
00	M1-6 24"X24"	M1-6 36"X36"
DETOUR	M4-8 24"X12"	M4-8 30"X15"
END DETOUR	M4-8A 24"X18"	M4-8A 30"X24"
EAST	M3-2 24"X12"	M3-2 30"X15"
WEST	M3-4 24"X12"	M3-4 30"X15"
←	M05-1L 21"X21"	M05-1L 30"30"
→	M05-1R 21"X21"	M05-1R 30"30"
↖	M05-2L 21"X21"	M05-2L 30"30"
↗	M05-2R 21"X21"	M05-2R 30"30"
←	M06-1 21"X21"	M06-1 30"30"
↖	M06-2 21"X21"	M06-2 30"30"
↔	M06-4 21"X21"	M06-4 30"30"

**ALL SIGNS ALONG USH 151 SHALL BE SIZE 3 SIGNS.

GENERAL NOTES

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

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

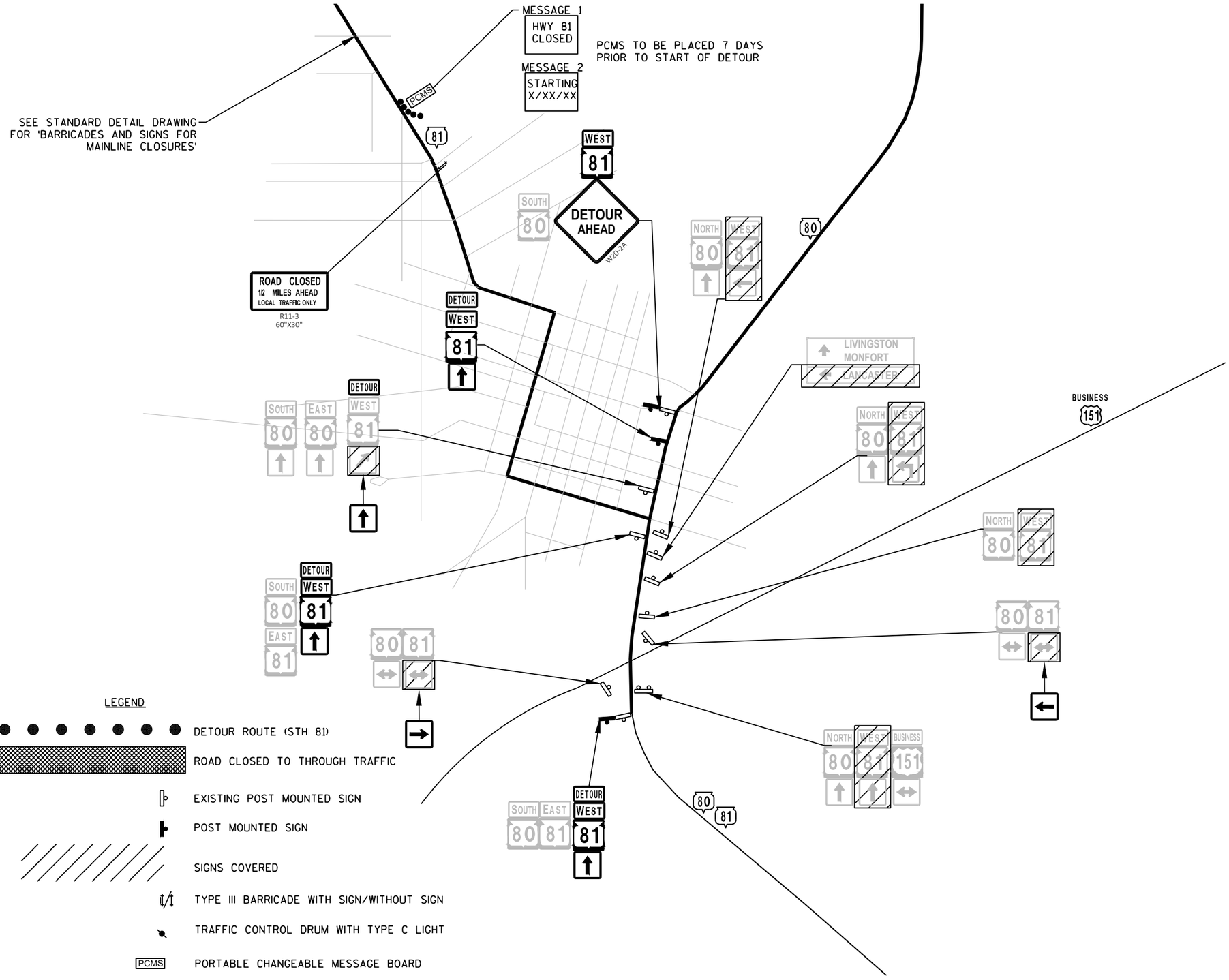
ALL M05 & M06 ARROW SIGNS AND "WO" SHALL BE THE SAME AS "M" AND "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ANY "STOP" SIGNS THAT ARE REMOVED FOR CONSTRUCTION OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED.

ANY SIGN TEMPORARY OR EXITING, WHICH CONFLICTS WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

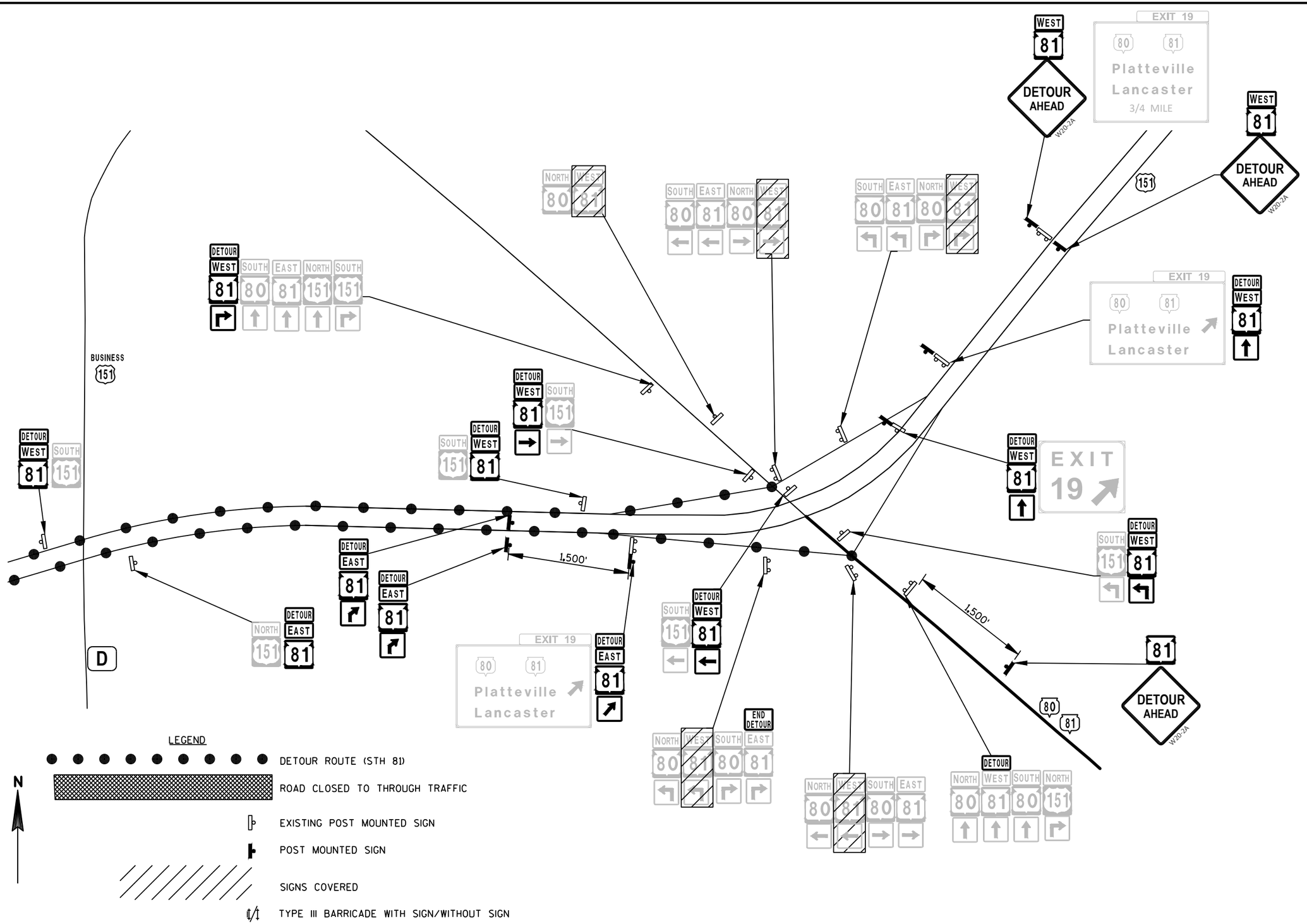
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	DETOUR PLAN OVERVIEW	SHEET	E



	SIZE 2	SIZE 3
151	M1-4 24"X24"	M1-4 36"X36"
00	M1-6 24"X24"	M1-6 36"X36"
DETOUR	M4-8 24"X12"	M4-8 30"X15"
END DETOUR	M4-8A 24"X18"	M4-8A 30"X24"
EAST	M3-2 24"X12"	M3-2 30"X15"
WEST	M3-4 24"X12"	M3-4 30"X15"
	M05-1L 21"X21"	M05-1L 30"30"
	M05-1R 21"X21"	M05-1R 30"30"
	M05-2L 21"X21"	M05-2L 30"30"
	M05-2R 21"X21"	M05-2R 30"30"
	M06-1 21"X21"	M06-1 30"30"
	M06-2 21"X21"	M06-2 30"30"
	M06-4 21"X21"	M06-4 30"30"

**ALL SIGNS ALONG USH 151 SHALL BE SIZE 3 SIGNS.

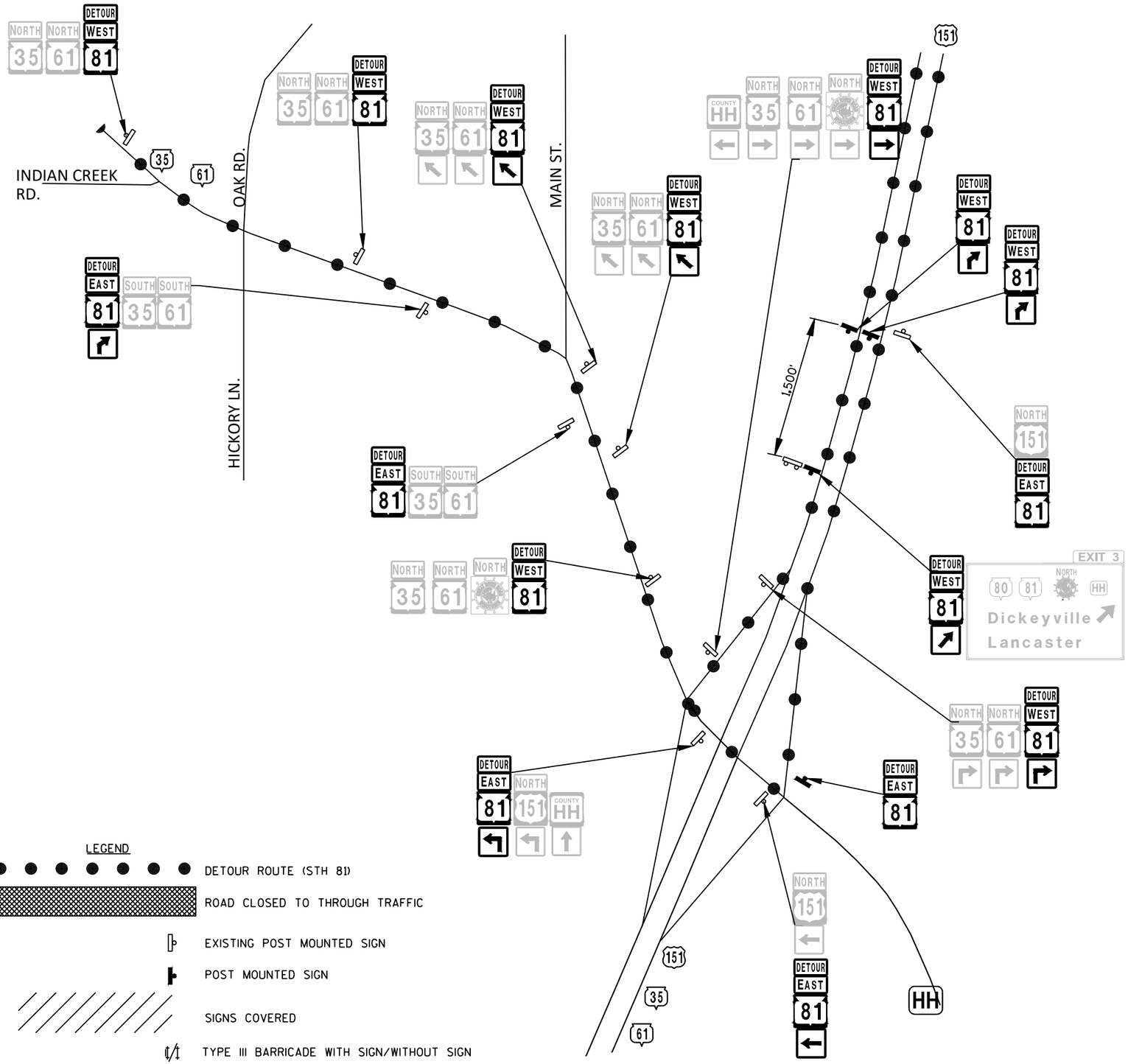
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	DETOUR PLAN DETAIL - SHEET 1 OF 6	SHEET	E



	SIZE 2	SIZE 3
151	M1-4 24"X24"	M1-4 36"X36"
00	M1-6 24"X24"	M1-6 36"X36"
DETOUR	M4-8 24"X12"	M4-8 30"X15"
END DETOUR	M4-8A 24"X18"	M4-8A 30"X24"
EAST	M3-2 24"X12"	M3-2 30"X15"
WEST	M3-4 24"X12"	M3-4 30"X15"
	M05-1L 21"X21"	M05-1L 30"30"
	M05-1R 21"X21"	M05-1R 30"30"
	M05-2L 21"X21"	M05-2L 30"30"
	M05-2R 21"X21"	M05-2R 30"30"
	M06-1 21"X21"	M06-1 30"30"
	M06-2 21"X21"	M06-2 30"30"
	M06-4 21"X21"	M06-4 30"30"

**ALL SIGNS ALONG USH 151 SHALL BE SIZE 3 SIGNS.

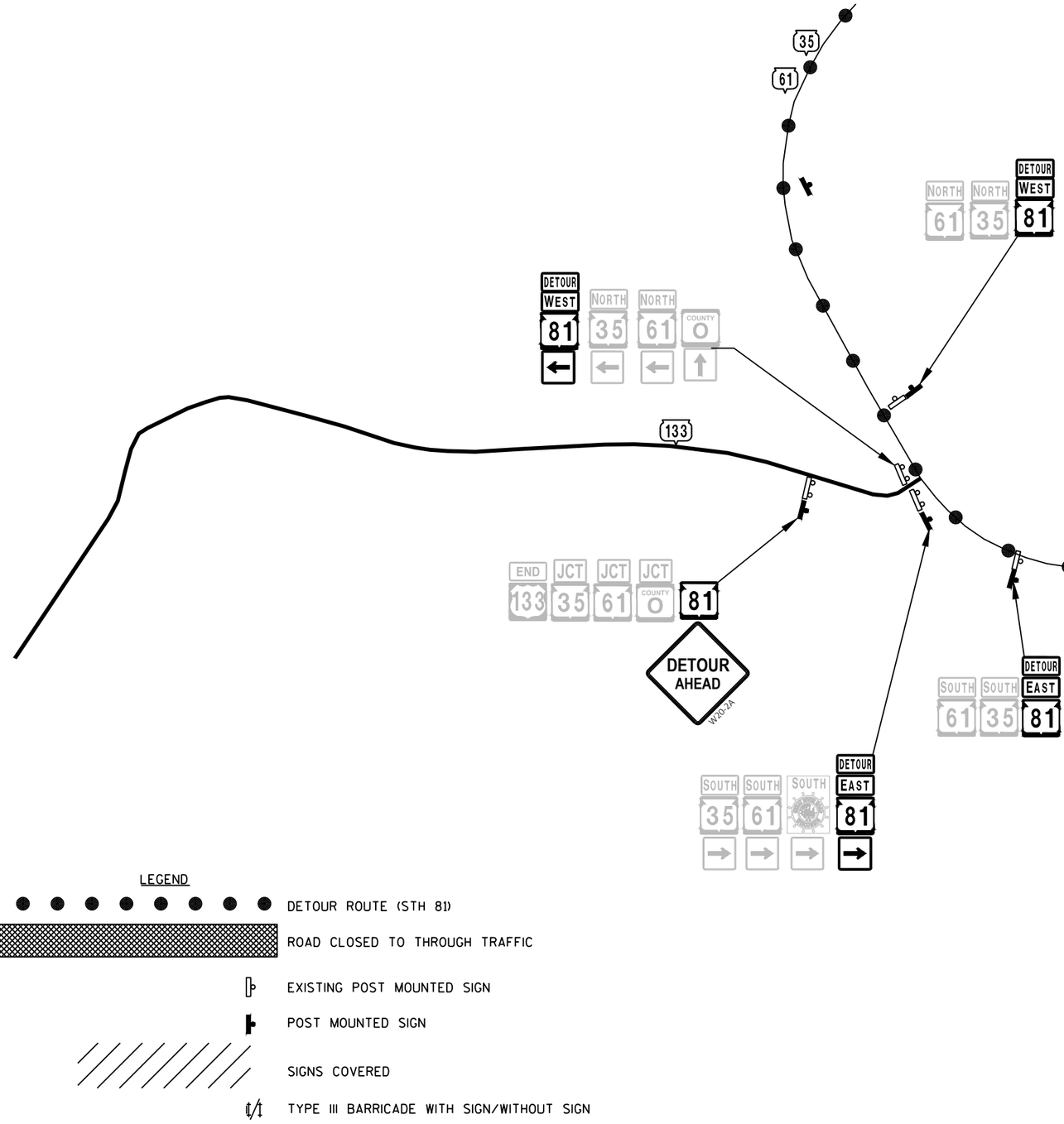
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	DETOUR PLAN DETAIL - SHEET 2 OF 6	SHEET	E



	SIZE 2	SIZE 3
151	M1-4 24"X24"	M1-4 36"X36"
00	M1-6 24"X24"	M1-6 36"X36"
DETOUR	M4-8 24"X12"	M4-8 30"X15"
END DETOUR	M4-8A 24"X18"	M4-8A 30"X24"
EAST	M3-2 24"X12"	M3-2 30"X15"
WEST	M3-4 24"X12"	M3-4 30"X15"
	M05-1L 21"X21"	M05-1L 30"30"
	M05-1R 21"X21"	M05-1R 30"30"
	M05-2L 21"X21"	M05-2L 30"30"
	M05-2R 21"X21"	M05-2R 30"30"
	M06-1 21"X21"	M06-1 30"30"
	M06-2 21"X21"	M06-2 30"30"
	M06-4 21"X21"	M06-4 30"30"

**ALL SIGNS ALONG USH 151 SHALL BE SIZE 3 SIGNS.

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	DETOUR PLAN DETAIL - SHEET 3 OF 6	SHEET	E



LEGEND

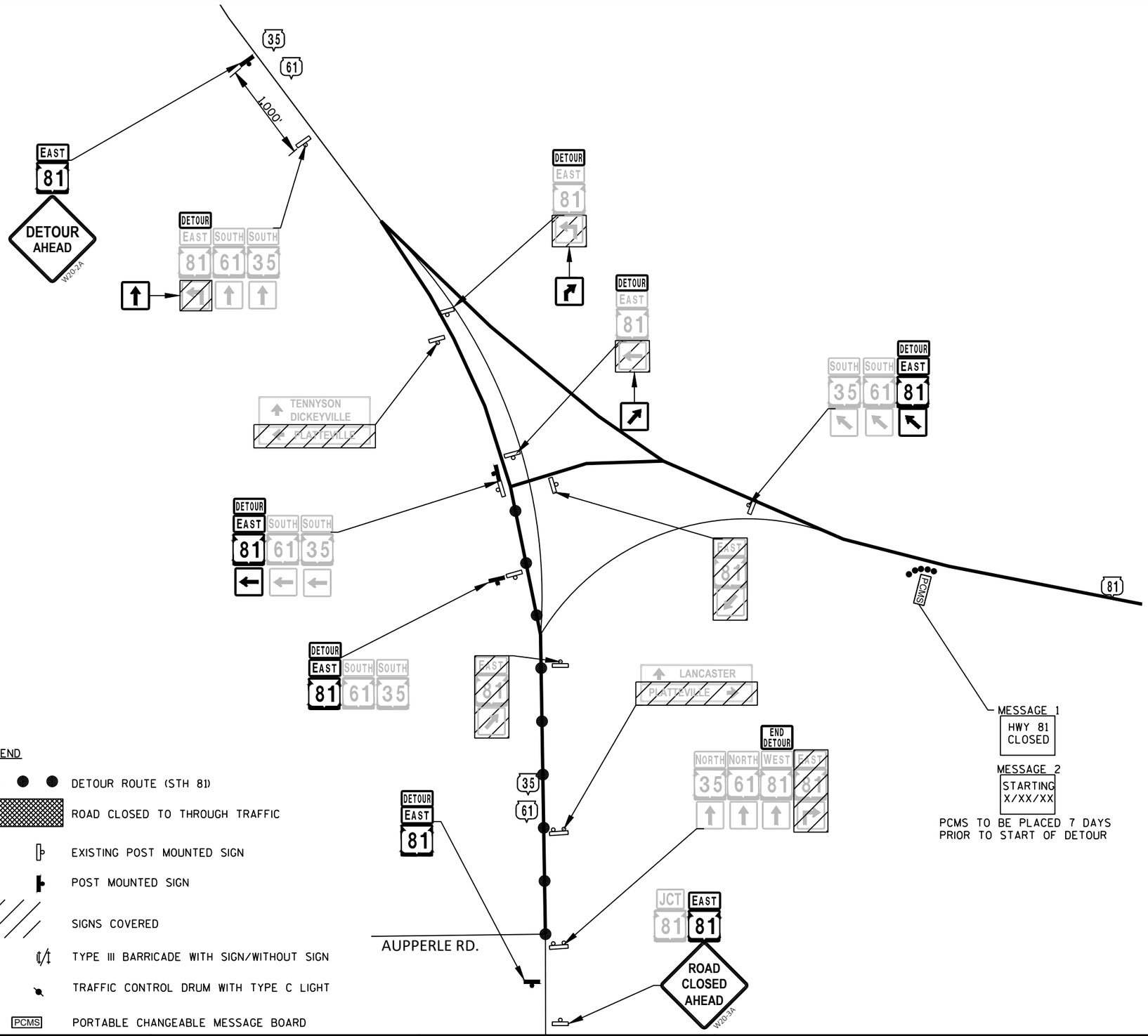
- DETOUR ROUTE (STH 81)
- ROAD CLOSED TO THROUGH TRAFFIC
- EXISTING POST MOUNTED SIGN
- POST MOUNTED SIGN
- SIGNS COVERED
- TYPE III BARRICADE WITH SIGN/WITHOUT SIGN

N

	SIZE 2	SIZE 3
151	M1-4 24"X24"	M1-4 36"X36"
00	M1-6 24"X24"	M1-6 36"X36"
DETOUR	M4-8 24"X12"	M4-8 30"X15"
END DETOUR	M4-8A 24"X18"	M4-8A 30"X24"
EAST	M3-2 24"X12"	M3-2 30"X15"
WEST	M3-4 24"X12"	M3-4 30"X15"
	M05-1L 21"X21"	M05-1L 30"30"
	M05-1R 21"X21"	M05-1R 30"30"
	M05-2L 21"X21"	M05-2L 30"30"
	M05-2R 21"X21"	M05-2R 30"30"
	M06-1 21"X21"	M06-1 30"30"
	M06-2 21"X21"	M06-2 30"30"
	M06-4 21"X21"	M06-4 30"30"

**ALL SIGNS ALONG USH 151 SHALL BE SIZE 3 SIGNS.

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	DETOUR PLAN DETAIL - SHEET 4 OF 6	SHEET	E



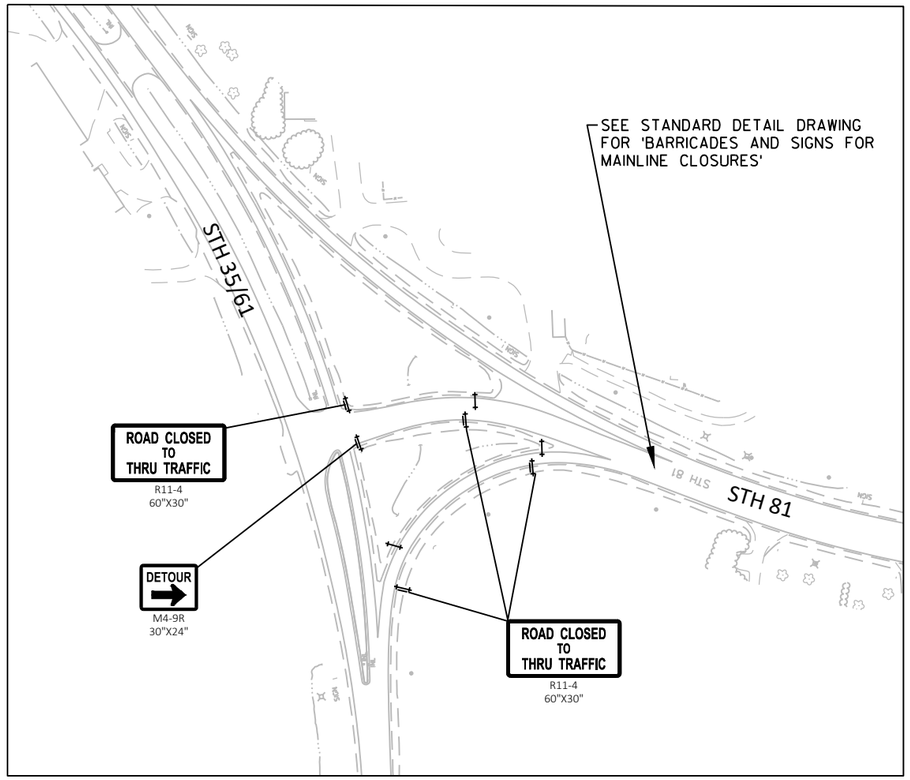
	SIZE 2	SIZE 3
151	M1-4 24"X24"	M1-4 36"X36"
00	M1-6 24"X24"	M1-6 36"X36"
DETOUR	M4-8 24"X12"	M4-8 30"X15"
END DETOUR	M4-8A 24"X18"	M4-8A 30"X24"
EAST	M3-2 24"X12"	M3-2 30"X15"
WEST	M3-4 24"X12"	M3-4 30"X15"
	M05-1L 21"X21"	M05-1L 30"30"
	M05-1R 21"X21"	M05-1R 30"30"
	M05-2L 21"X21"	M05-2L 30"30"
	M05-2R 21"X21"	M05-2R 30"30"
	M06-1 21"X21"	M06-1 30"30"
	M06-2 21"X21"	M06-2 30"30"
	M06-4 21"X21"	M06-4 30"30"

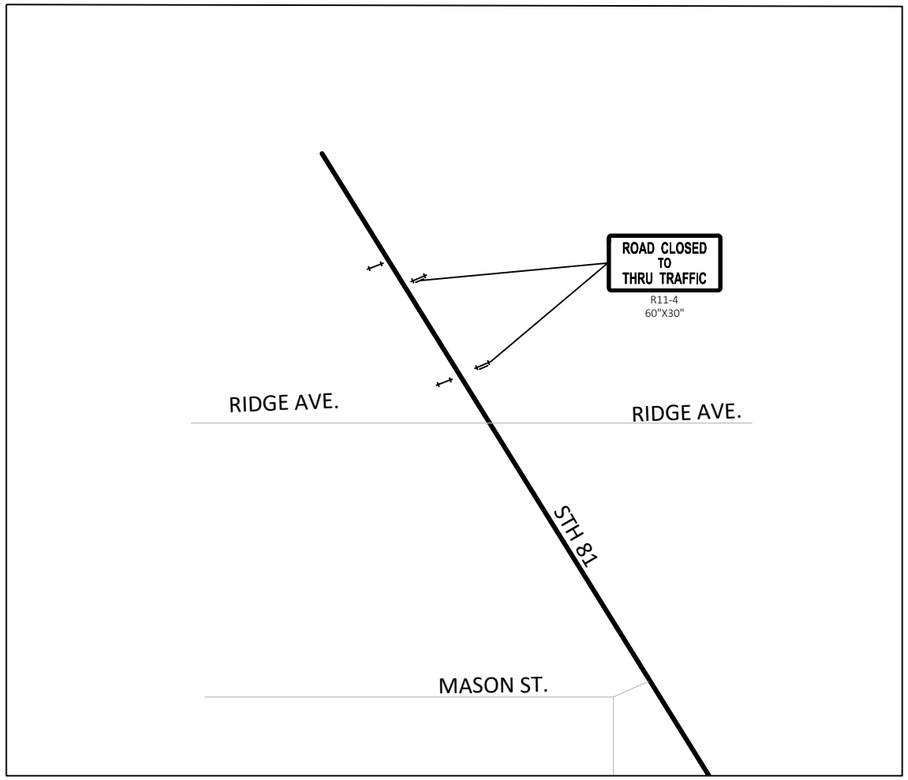
**ALL SIGNS ALONG USH 151 SHALL BE SIZE 3 SIGNS.

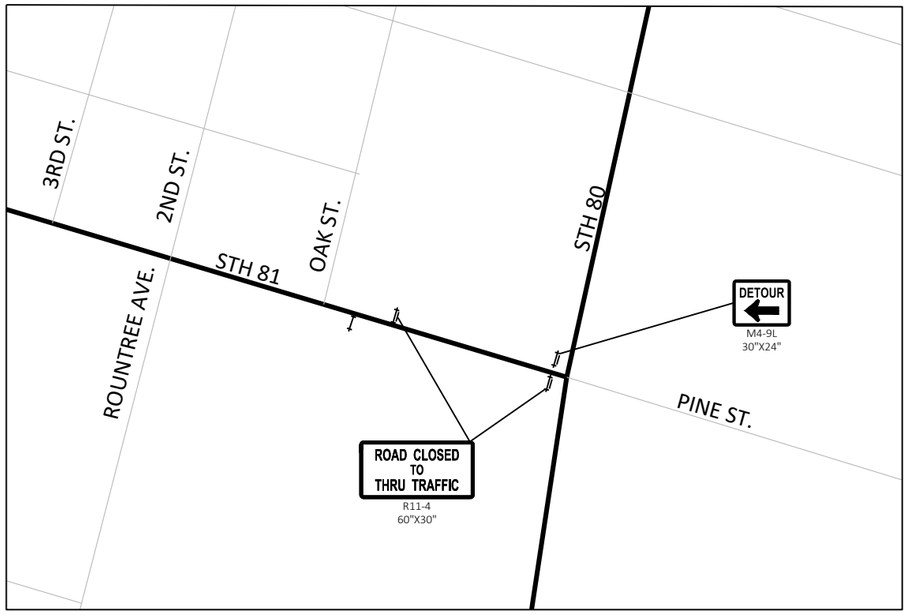
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	DETOUR PLAN DETAIL - SHEET 5 OF 6	SHEET	E

SEE SDD
"BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"
FOR GUIDANCE WERE STH 81 INTERSECTS WITH:

KINGSFORD ROAD
AUPPERLE LANE
BAST LANE
BLUFF ROAD
VALLEY VIEW DRIVE
ELLENBORO ROAD - WEST
WILLOW BRANCH ROAD
ELLENBORO ROAD - EAST
PLATTE ROAD
JENZ-BAKER DRIVE
BUNKER RIDGE ROAD
WHIG ROAD
BANNER ROAD
OLD LANCASTER ROAD
CTH D
RIVER VALLEY LANE
QUARRY ROAD
OLD LANCASTER
LIME KILN LN
RIDGE AVENUE
MASON STREET
WASHINGTON STREET
CAMP STREET
JEWETT STREET
MADISON STREET
DEWEY STREET
SHORT STREET
ADAMS STREET
MARIA PLACE
ELM STREET
CEDAR STREET
FURNACE STREET
MARKET STREET
MINERAL STREET
MAIN STREET
PINE STREET
CHESTNUT STREET
COURT STREET
4TH STREET
BAYLEY AVENUE
3RD STREET
OAK STREET
PINE STREET







	SIZE 2	SIZE 3
151	M1-4 24"X24"	M1-4 36"X36"
00	M1-6 24"X24"	M1-6 36"X36"
DETOUR	M4-8 24"X12"	M4-8 30"X15"
END DETOUR	M4-8A 24"X18"	M4-8A 30"X24"
EAST	M3-2 24"X12"	M3-2 30"X15"
WEST	M3-4 24"X12"	M3-4 30"X15"
	M05-1L 21"X21"	M05-1L 30"30"
	M05-1R 21"X21"	M05-1R 30"30"
	M05-2L 21"X21"	M05-2L 30"30"
	M05-2R 21"X21"	M05-2R 30"30"
	M06-1 21"X21"	M06-1 30"30"
	M06-2 21"X21"	M06-2 30"30"
	M06-4 21"X21"	M06-4 30"30"

**ALL SIGNS ALONG USH 151 SHALL BE SIZE 3 SIGNS.

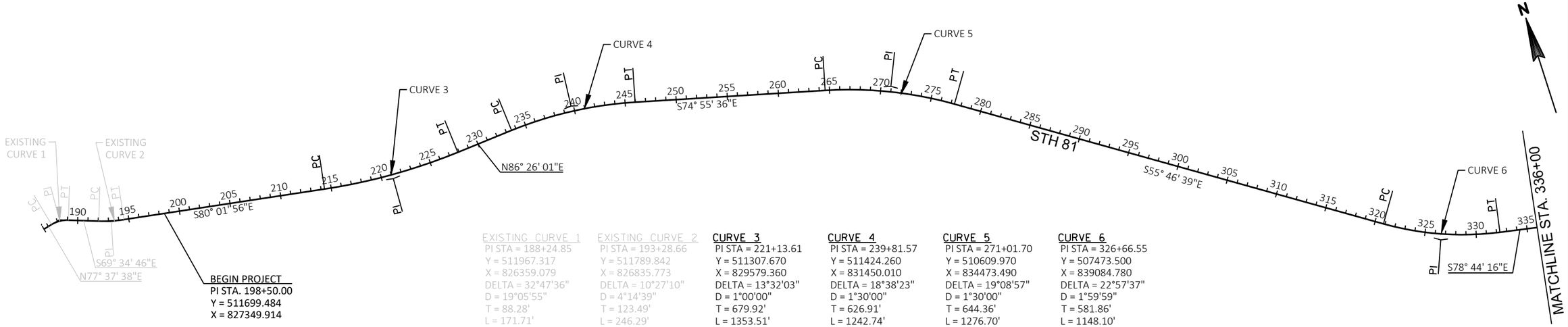
LEGEND

- DETOUR ROUTE (STH 81)
- ROAD CLOSED TO THROUGH TRAFFIC
- EXISTING POST MOUNTED SIGN
- POST MOUNTED SIGN
- SIGNS COVERED
- TYPE III BARRICADE WITH SIGN/WITHOUT SIGN

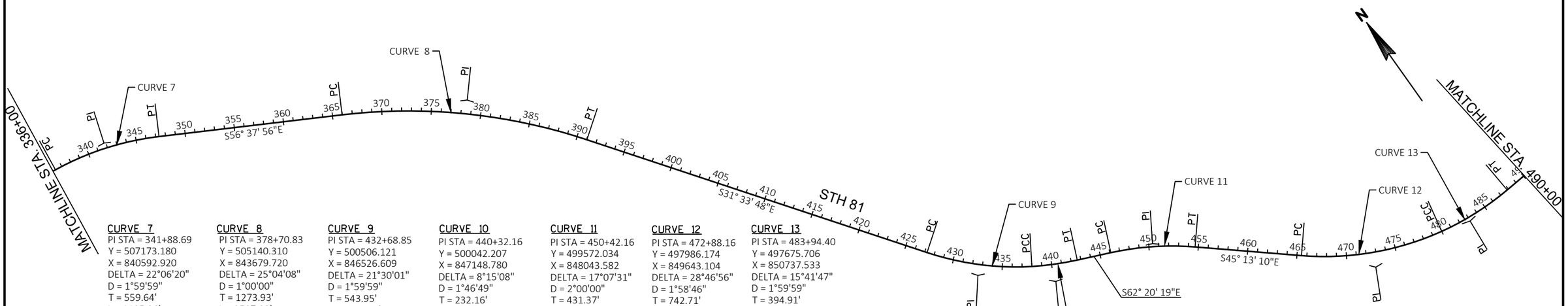
N

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	DETOUR PLAN DETAIL - SHEET 6 OF 6	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\027002_DT.DWG
LAYOUT NAME - 06
PLOT DATE : 10/30/2019 11:29 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

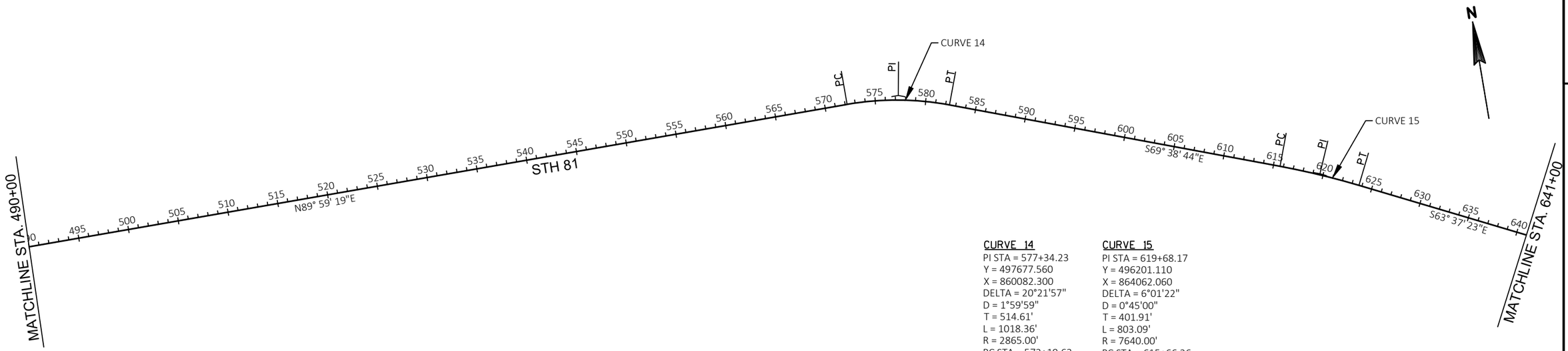


EXISTING CURVE 1	EXISTING CURVE 2	CURVE 3	CURVE 4	CURVE 5	CURVE 6
PI STA = 188+24.85	PI STA = 193+28.66	PI STA = 221+13.61	PI STA = 239+81.57	PI STA = 271+01.70	PI STA = 326+66.55
Y = 511967.317	Y = 511789.842	Y = 511307.670	Y = 511424.260	Y = 510609.970	Y = 507473.500
X = 826359.079	X = 826835.773	X = 829579.360	X = 831450.010	X = 834473.490	X = 839084.780
DELTA = 32°47'36"	DELTA = 10°27'10"	DELTA = 13°32'03"	DELTA = 18°38'23"	DELTA = 19°08'57"	DELTA = 22°57'37"
D = 19°05'55"	D = 4°14'39"	D = 1°00'00"	D = 1°30'00"	D = 1°30'00"	D = 1°59'59"
T = 88.28'	T = 123.49'	T = 679.92'	T = 626.91'	T = 644.36'	T = 581.86'
L = 171.71'	L = 246.29'	L = 1353.51'	L = 1242.74'	L = 1276.70'	L = 1148.10'
R = 300.00'	R = 1350.00'	R = 5730.00'	R = 3820.00'	R = 3820.00'	R = 2865.00'
PC STA = 187+36.58	PC STA = 192+05.18	PC STA = 214+33.70	PC STA = 233+54.65	PC STA = 264+57.34	PC STA = 320+84.69
Y = 511948.402	Y = 511832.928	Y = 511425.358	Y = 511385.263	Y = 510777.539	Y = 507800.741
X = 826272.853	X = 826720.045	X = 828909.706	X = 830824.314	X = 833851.302	X = 838603.665
PT STA = 189+08.28	PT STA = 194+51.47	PT STA = 227+87.20	PT STA = 245+97.40	PT STA = 277+34.04	PT STA = 332+32.79
Y = 511936.517	Y = 511768.467	Y = 511349.964	Y = 511261.228	Y = 510247.578	Y = 507359.864
X = 826441.807	X = 826957.397	X = 830257.960	X = 832055.351	X = 835006.284	X = 839655.433
BK = N77°37'38"E	BK = S69°34'46"E	BK = S80°01'56"E	BK = N86°26'01"E	BK = S74°55'36"E	BK = S55°46'39"E
AH = S69°34'46"E	AH = S80°01'56"E	AH = N86°26'01"E	AH = S74°55'36"E	AH = S55°46'39"E	AH = S78°44'16"E



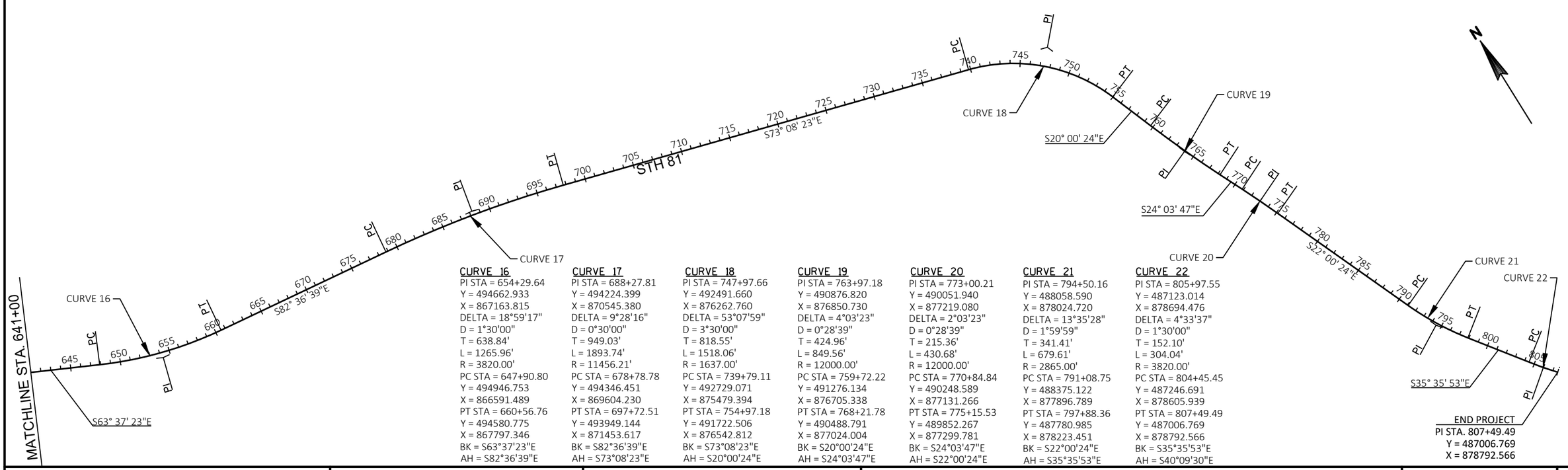
CURVE 7	CURVE 8	CURVE 9	CURVE 10	CURVE 11	CURVE 12	CURVE 13
PI STA = 341+88.69	PI STA = 378+70.83	PI STA = 432+68.85	PI STA = 440+32.16	PI STA = 450+42.16	PI STA = 472+88.16	PI STA = 483+94.40
Y = 507173.180	Y = 505140.310	Y = 500506.121	Y = 500042.207	Y = 499572.034	Y = 497986.174	Y = 497675.706
X = 840592.920	X = 843679.720	X = 846526.609	X = 847148.780	X = 848043.582	X = 849643.104	X = 850737.533
DELTA = 22°06'20"	DELTA = 25°04'08"	DELTA = 21°30'01"	DELTA = 8°15'08"	DELTA = 17°07'31"	DELTA = 28°46'56"	DELTA = 15°41'47"
D = 1°59'59"	D = 1°00'00"	D = 1°59'59"	D = 1°46'49"	D = 2°00'00"	D = 1°58'46"	D = 1°59'59"
T = 559.64'	T = 1273.93'	T = 543.95'	T = 232.16'	T = 431.37'	T = 742.71'	T = 394.91'
L = 1105.36'	L = 2507.08'	L = 1075.10'	L = 463.51'	L = 856.30'	L = 1454.05'	L = 784.87'
R = 2865.00'	R = 5730.00'	R = 2865.00'	R = 3218.16'	R = 2864.92'	R = 2894.54'	R = 2865.00'
PC STA = 336+29.05	PC STA = 365+96.90	PC STA = 427+24.90	PCC STA = 438+00.00	PC STA = 446+10.79	PC STA = 465+45.45	PCC STA = 479+99.50
Y = 507282.476	Y = 505840.983	Y = 500969.596	Y = 500179.249	Y = 499772.254	Y = 498508.598	Y = 497782.468
X = 840044.059	X = 842615.787	X = 846241.885	X = 846961.388	X = 847661.495	X = 849115.195	X = 850357.330
PT STA = 347+34.40	PT STA = 391+03.98	PCC STA = 438+00.00	PT STA = 442+63.51	PT STA = 454+67.10	PCC STA = 479+99.50	PT STA = 487+84.37
Y = 506865.374	Y = 504054.843	Y = 500179.249	Y = 499933.480	Y = 499268.181	Y = 497782.468	Y = 497675.784
X = 841060.306	X = 844346.547	X = 846961.388	X = 847353.902	X = 848349.771	X = 850357.330	X = 851132.441
BK = S78°44'16"E	BK = S56°37'56"E	BK = S31°33'48"E	BK = S53°49'18"E	BK = S62°20'41"E	BK = S45°17'57"E	BK = S74°18'54"E
AH = S56°37'56"E	AH = S31°33'48"E	AH = S53°03'49"E	AH = S62°04'26"E	AH = S45°13'10"E	AH = S74°04'52"E	AH = N89°59'19"E

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - ALIGNMENT DATA	SHEET	E



CURVE 14
PI STA = 577+34.23
Y = 497677.560
X = 860082.300
DELTA = 20°21'57"
D = 1°59'59"
T = 514.61'
L = 1018.36'
R = 2865.00'
PC STA = 572+19.62
Y = 497677.458
X = 859567.690
PT STA = 582+37.98
Y = 497498.566
X = 860564.777
BK = N89°59'19"E
AH = S69°38'44"E

CURVE 15
PI STA = 619+68.17
Y = 496201.110
X = 864062.060
DELTA = 6°01'22"
D = 0°45'00"
T = 401.91'
L = 803.09'
R = 7640.00'
PC STA = 615+66.26
Y = 496340.906
X = 863685.242
PT STA = 623+69.35
Y = 496022.549
X = 864422.131
BK = S69°38'44"E
AH = S63°37'23"E



CURVE 16
PI STA = 654+29.64
Y = 494662.933
X = 867163.815
DELTA = 18°59'17"
D = 1°30'00"
T = 638.84'
L = 1265.96'
R = 3820.00'
PC STA = 647+90.80
Y = 494946.753
X = 866591.489
PT STA = 660+56.76
Y = 494580.775
X = 867797.346
BK = S63°37'23"E
AH = S82°36'39"E

CURVE 17
PI STA = 688+27.81
Y = 494224.399
X = 870545.380
DELTA = 9°28'16"
D = 0°30'00"
T = 949.03'
L = 1893.74'
R = 11456.21'
PC STA = 678+78.78
Y = 494346.451
X = 869604.230
PT STA = 697+72.51
Y = 493949.144
X = 871453.617
BK = S82°36'39"E
AH = S73°08'23"E

CURVE 18
PI STA = 747+97.66
Y = 492491.660
X = 876262.760
DELTA = 53°07'59"
D = 3°30'00"
T = 818.55'
L = 1518.06'
R = 1637.00'
PC STA = 739+79.11
Y = 492729.071
X = 875479.394
PT STA = 754+97.18
Y = 491722.506
X = 876542.812
BK = S73°08'23"E
AH = S20°00'24"E

CURVE 19
PI STA = 763+97.18
Y = 490876.820
X = 876850.730
DELTA = 4°03'23"
D = 0°28'39"
T = 424.96'
L = 849.56'
R = 12000.00'
PC STA = 759+72.22
Y = 491276.134
X = 876705.338
PT STA = 768+21.78
Y = 490488.791
X = 877024.004
BK = S20°00'24"E
AH = S24°03'47"E

CURVE 20
PI STA = 773+00.21
Y = 490051.940
X = 877219.080
DELTA = 2°03'23"
D = 0°28'39"
T = 215.36'
L = 430.68'
R = 12000.00'
PC STA = 770+84.84
Y = 490248.589
X = 877131.266
PT STA = 775+15.53
Y = 489852.267
X = 877299.781
BK = S24°03'47"E
AH = S22°00'24"E

CURVE 21
PI STA = 794+50.16
Y = 488058.590
X = 878024.720
DELTA = 13°35'28"
D = 1°59'59"
T = 341.41'
L = 679.61'
R = 2865.00'
PC STA = 791+08.75
Y = 488375.122
X = 877896.789
PT STA = 797+88.36
Y = 487780.985
X = 878223.451
BK = S22°00'24"E
AH = S35°35'53"E

CURVE 22
PI STA = 805+97.55
Y = 487123.014
X = 878694.476
DELTA = 4°33'37"
D = 1°30'00"
T = 152.10'
L = 304.04'
R = 3820.00'
PC STA = 804+45.45
Y = 487246.691
X = 878605.939
PT STA = 807+49.49
Y = 487006.769
X = 878792.566
BK = S35°35'53"E
AH = S40°09'30"E

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN DETAILS - ALIGNMENT DATA CONTINUED	SHEET	E

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STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 3						
EndNormalShoulder	213+30.12'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	213+30.12'	-4.00%	-2.00%	-2.00%	-2.00%	
LevelCrown	213+83.69'	-4.00%	-2.00%	0.00%	0.00%	
ReverseCrown	214+37.27'	-4.00%	-2.00%	2.00%	2.00%	
BeginFullSuper	214+58.69'	-4.00%	-2.80%	2.80%	2.80%	
EndFullSuper	227+62.20'	-4.00%	-2.80%	2.80%	2.80%	
ReverseCrown	227+83.63'	-4.00%	-2.00%	2.00%	2.00%	
LevelCrown	228+37.20'	-4.00%	-2.00%	0.00%	0.00%	
BeginNormalCrown	228+90.78'	-4.00%	-2.00%	-2.00%	-2.00%	
BeginNormalShoulder	228+90.78'	-4.00%	-2.00%	-2.00%	-4.00%	

STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 4						
EndNormalShoulder	232+34.16'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	232+34.16'	-2.00%	-2.00%	-2.00%	-4.00%	
LevelCrown	232+87.32'	0.00%	0.00%	-2.00%	-4.00%	
ReverseCrown	233+40.48'	2.00%	2.00%	-2.00%	-4.00%	
BeginFullSuper	233+88.32'	3.80%	3.80%	-3.80%	-4.00%	
EndFullSuper	245+63.73'	3.80%	3.80%	-3.80%	-4.00%	
ReverseCrown	246+11.58'	2.00%	2.00%	-2.00%	-4.00%	
LevelCrown	246+64.73'	0.00%	0.00%	-2.00%	-4.00%	
BeginNormalCrown	247+17.89'	-2.00%	-2.00%	-2.00%	-4.00%	
BeginNormalShoulder	247+17.89'	-4.00%	-2.00%	-2.00%	-4.00%	

STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 5						
EndNormalShoulder	263+36.85'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	263+36.85'	-2.00%	-2.00%	-2.00%	-4.00%	
LevelCrown	263+90.01'	0.00%	0.00%	-2.00%	-4.00%	
ReverseCrown	264+43.16'	2.00%	2.00%	-2.00%	-4.00%	
BeginFullSuper	264+91.01'	3.80%	3.80%	-3.80%	-4.00%	
EndFullSuper	277+00.38'	3.80%	3.80%	-3.80%	-4.00%	
ReverseCrown	277+48.22'	2.00%	2.00%	-2.00%	-4.00%	
LevelCrown	278+01.38'	0.00%	0.00%	-2.00%	-4.00%	
BeginNormalCrown	278+54.54'	-2.00%	-2.00%	-2.00%	-4.00%	
BeginNormalShoulder	278+54.54'	-4.00%	-2.00%	-2.00%	-4.00%	

STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 6						
EndNormalShoulder	319+49.21'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	319+49.21'	-4.00%	-2.00%	-2.00%	-2.00%	
LevelCrown	320+02.69'	-4.00%	-2.00%	0.00%	0.00%	
ReverseCrown	320+56.17'	-4.00%	-2.00%	2.00%	2.00%	
LowShoulderMatch	321+09.64'	-4.00%	-4.00%	4.00%	4.00%	
BeginFullSuper	321+25.69'	-4.60%	-4.60%	4.60%	4.60%	
EndFullSuper	331+91.80'	-4.60%	-4.60%	4.60%	4.60%	
LowShoulderMatch	332+07.84'	-4.00%	-4.00%	4.00%	4.00%	
ReverseCrown	332+61.32'	-4.00%	-2.00%	2.00%	2.00%	
LevelCrown	333+14.80'	-4.00%	-2.00%	0.00%	0.00%	
BeginNormalCrown	333+68.27'	-4.00%	-2.00%	-2.00%	-2.00%	
BeginNormalShoulder	333+68.27'	-4.00%	-2.00%	-2.00%	-4.00%	

STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 7						
EndNormalShoulder	334+93.57'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	334+93.57'	-2.00%	-2.00%	-2.00%	-4.00%	
LevelCrown	335+47.04'	0.00%	0.00%	-2.00%	-4.00%	
ReverseCrown	336+00.52'	2.00%	2.00%	-2.00%	-4.00%	
LowShoulderMatch	336+54.00'	4.00%	4.00%	-4.00%	-4.00%	
BeginFullSuper	336+70.04'	4.60%	4.60%	-4.60%	-4.60%	
EndFullSuper	346+93.41'	4.60%	4.60%	-4.60%	-4.60%	
LowShoulderMatch	347+09.45'	4.00%	4.00%	-4.00%	-4.00%	
ReverseCrown	347+62.93'	2.00%	2.00%	-2.00%	-4.00%	
LevelCrown	348+16.41'	0.00%	0.00%	-2.00%	-4.00%	
BeginNormalCrown	348+69.89'	-2.00%	-2.00%	-2.00%	-4.00%	
BeginNormalShoulder	348+69.89'	-4.00%	-2.00%	-2.00%	-4.00%	

STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 8						
EndNormalShoulder	364+93.33'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	364+93.33'	-2.00%	-2.00%	-2.00%	-4.00%	
LevelCrown	365+46.90'	0.00%	0.00%	-2.00%	-4.00%	
ReverseCrown	366+00.47'	2.00%	2.00%	-2.00%	-4.00%	
BeginFullSuper	366+21.90'	2.80%	2.80%	-2.80%	-4.00%	
EndFullSuper	390+78.99'	2.80%	2.80%	-2.80%	-4.00%	
ReverseCrown	391+00.42'	2.00%	2.00%	-2.00%	-4.00%	
LevelCrown	391+53.99'	0.00%	0.00%	-2.00%	-4.00%	
BeginNormalCrown	392+07.56'	-2.00%	-2.00%	-2.00%	-4.00%	
BeginNormalShoulder	392+07.56'	-4.00%	-2.00%	-2.00%	-4.00%	

STH 81

SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 9						
EndNormalShoulder	425+89.42'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	425+89.42'	-4.00%	-2.00%	-2.00%	-2.00%	
LevelCrown	426+42.90'	-4.00%	-2.00%	0.00%	0.00%	
ReverseCrown	426+96.38'	-4.00%	-2.00%	2.00%	2.00%	
LowShoulderMatch	427+49.86'	-4.00%	-4.00%	4.00%	4.00%	
BeginFullSuper	427+65.90'	-4.60%	-4.60%	4.60%	4.60%	
EndFullSuper	437+59.00'	-4.60%	-4.60%	4.60%	4.60%	BEGIN TRANSITION TO 4.20% SUPERELEVATION AT 438+37.33

STH 81

SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 10						
BeginFullSuper	438+37.33'	-4.20%	-4.20%	4.20%	4.20%	END TRANSITION FROM 4.6% SUPERELEVATION AT 437+59.00
EndFullSuper	442+26.18'	-4.20%	-4.20%	4.20%	4.20%	
LowShoulderMatch	442+31.51'	-4.00%	-4.00%	4.00%	4.00%	
ReverseCrown	442+84.85'	-4.00%	-2.00%	2.00%	2.00%	
LevelCrown	443+38.18'	-4.00%	-2.00%	0.00%	0.00%	
BeginNormalCrown	443+91.51'	-4.00%	-2.00%	-2.00%	-2.00%	
BeginNormalShoulder	443+91.51'	-4.00%	-2.00%	-2.00%	-4.00%	

STH 81

SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 11						
EndNormalShoulder	444+75.31'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	444+75.31'	-2.00%	-2.00%	-2.00%	-4.00%	
LevelCrown	445+28.79'	0.00%	0.00%	-2.00%	-4.00%	
ReverseCrown	445+82.27'	2.00%	2.00%	-2.00%	-4.00%	
LowShoulderMatch	446+35.75'	4.00%	4.00%	-4.00%	-4.00%	
BeginFullSuper	446+51.79'	4.60%	4.60%	-4.60%	-4.60%	
EndFullSuper	454+26.10'	4.60%	4.60%	-4.60%	-4.60%	
LowShoulderMatch	454+42.15'	4.00%	4.00%	-4.00%	-4.00%	
ReverseCrown	454+95.62'	2.00%	2.00%	-2.00%	-4.00%	
LevelCrown	455+49.10'	0.00%	0.00%	-2.00%	-4.00%	
BeginNormalCrown	456+02.58'	-2.00%	-2.00%	-2.00%	-4.00%	
BeginNormalShoulder	456+02.58'	-4.00%	-2.00%	-2.00%	-4.00%	

STH 81

SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 12						
EndNormalShoulder	464+09.97'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	464+09.97'	-4.00%	-2.00%	-2.00%	-2.00%	
LevelCrown	464+63.45'	-4.00%	-2.00%	0.00%	0.00%	
ReverseCrown	465+16.92'	-4.00%	-2.00%	2.00%	2.00%	
LowShoulderMatch	465+70.40'	-4.00%	-4.00%	4.00%	4.00%	
BeginFullSuper	465+86.45'	-4.60%	-4.60%	4.60%	4.60%	4.6% SUPERELEVATION CONTINUES TO CURVE 13

STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 13						
EndFullSuper	487+43.37'	-4.60%	-4.60%	4.60%	4.60%	4.6% SUPERELEVATION CONTINUED FROM CURVE 12
LowShoulderMatch	487+59.41'	-4.00%	-4.00%	4.00%	4.00%	
ReverseCrown	488+12.89'	-4.00%	-2.00%	2.00%	2.00%	
LevelCrown	488+66.37'	-4.00%	-2.00%	0.00%	0.00%	
BeginNormalCrown	489+19.85'	-4.00%	-2.00%	-2.00%	-2.00%	
BeginNormalShoulder	489+19.85'	-4.00%	-2.00%	-2.00%	-4.00%	

STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 14						
EndNormalShoulder	570+84.13'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	570+84.13'	-2.00%	-2.00%	-2.00%	-4.00%	
LevelCrown	571+37.61'	0.00%	0.00%	-2.00%	-4.00%	
ReverseCrown	571+91.09'	2.00%	2.00%	-2.00%	-4.00%	
LowShoulderMatch	572+44.57'	4.00%	4.00%	-4.00%	-4.00%	
BeginFullSuper	572+60.61'	4.60%	4.60%	-4.60%	-4.60%	
EndFullSuper	581+96.98'	4.60%	4.60%	-4.60%	-4.60%	
LowShoulderMatch	582+13.02'	4.00%	4.00%	-4.00%	-4.00%	
ReverseCrown	582+66.50'	2.00%	2.00%	-2.00%	-4.00%	
LevelCrown	583+19.98'	0.00%	0.00%	-2.00%	-4.00%	
BeginNormalCrown	583+73.46'	-2.00%	-2.00%	-2.00%	-4.00%	
BeginNormalShoulder	583+73.46'	-4.00%	-2.00%	-2.00%	-4.00%	

STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 15						
EndNormalShoulder	614+73.29'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	614+73.29'	-2.00%	-2.00%	-2.00%	-4.00%	
LevelCrown	615+26.93'	0.00%	0.00%	-2.00%	-4.00%	
ReverseCrown	615+80.56'	2.00%	2.00%	-2.00%	-4.00%	
BeginFullSuper	615+85.93'	2.20%	2.20%	-2.20%	-4.00%	
EndFullSuper	623+49.68'	2.20%	2.20%	-2.20%	-4.00%	
ReverseCrown	623+55.05'	2.00%	2.00%	-2.00%	-4.00%	
LevelCrown	624+08.68'	0.00%	0.00%	-2.00%	-4.00%	
BeginNormalCrown	624+62.32'	-2.00%	-2.00%	-2.00%	-4.00%	
BeginNormalShoulder	624+62.32'	-4.00%	-2.00%	-2.00%	-4.00%	

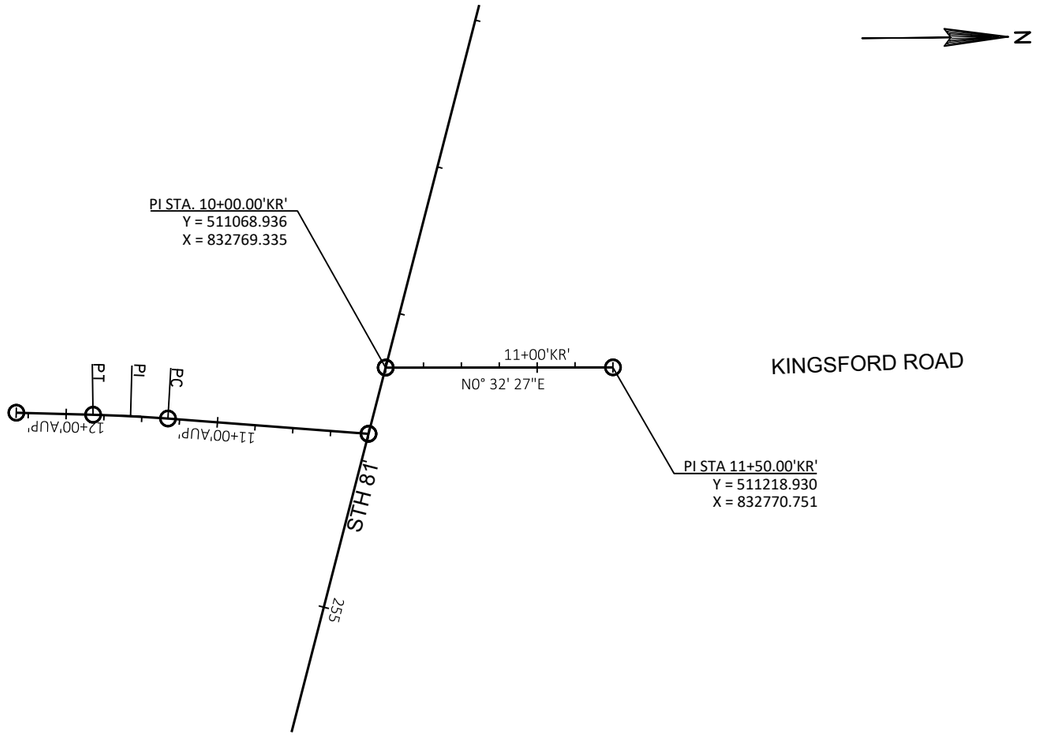
STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 16						
EndNormalShoulder	646+70.31'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	646+70.31'	-4.00%	-2.00%	-2.00%	-2.00%	
LevelCrown	647+23.47'	-4.00%	-2.00%	0.00%	0.00%	
ReverseCrown	647+76.63'	-4.00%	-2.00%	2.00%	2.00%	
BeginFullSuper	648+24.47'	-4.00%	-3.80%	3.80%	3.80%	
EndFullSuper	660+23.10'	-4.00%	-3.80%	3.80%	3.80%	
ReverseCrown	660+70.94'	-4.00%	-2.00%	2.00%	2.00%	
LevelCrown	661+24.10'	-4.00%	-2.00%	0.00%	0.00%	
BeginNormalCrown	661+77.26'	-4.00%	-2.00%	-2.00%	-2.00%	
BeginNormalShoulder	661+77.26'	-4.00%	-2.00%	-2.00%	-4.00%	

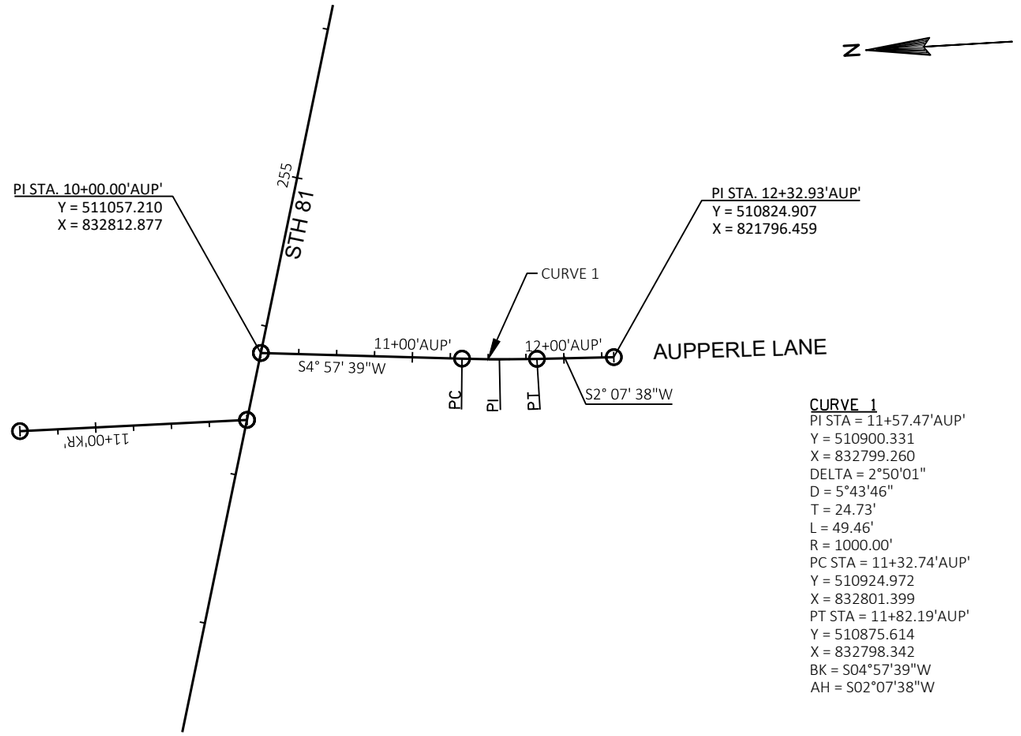
STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 17						
EndNormalShoulder	677+80.00'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	677+80.00'	-2.00%	-2.00%	-2.00%	-4.00%	
LevelCrown	678+30.00'	0.00%	0.00%	-2.00%	-4.00%	
ReverseCrown	678+35.00'	2.00%	2.00%	-2.00%	-4.00%	
BeginFullSuper	679+00.00'	2.00%	2.00%	-2.00%	-4.00%	
EndFullSuper	696+80.00'	2.00%	2.00%	-2.00%	-4.00%	
ReverseCrown	697+15.00'	2.00%	2.00%	-2.00%	-4.00%	
LevelCrown	697+50.00'	0.00%	0.00%	-2.00%	-4.00%	
BeginNormalCrown	698+00.00'	-2.00%	-2.00%	-2.00%	-4.00%	
BeginNormalShoulder	698+00.00'	-4.00%	-2.00%	-2.00%	-4.00%	

STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 18						
EndNormalShoulder	738+19.11'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	738+19.11'	-2.00%	-2.00%	-2.00%	-4.00%	
LevelCrown	738+72.44'	0.00%	0.00%	-2.00%	-4.00%	
ReverseCrown	739+25.77'	2.00%	2.00%	-2.00%	-4.00%	
LowShoulderMatch	739+79.11'	4.00%	4.00%	-4.00%	-4.00%	
BeginFullSuper	740+32.44'	6.00%	6.00%	-6.00%	-6.00%	
EndFullSuper	754+43.85'	6.00%	6.00%	-6.00%	-6.00%	
LowShoulderMatch	754+97.18'	4.00%	4.00%	-4.00%	-4.00%	
ReverseCrown	755+50.51'	2.00%	2.00%	-2.00%	-4.00%	
LevelCrown	756+03.85'	0.00%	0.00%	-2.00%	-4.00%	
BeginNormalCrown	756+57.18'	-2.00%	-2.00%	-2.00%	-4.00%	
BeginNormalShoulder	756+57.18'	-4.00%	-2.00%	-2.00%	-4.00%	

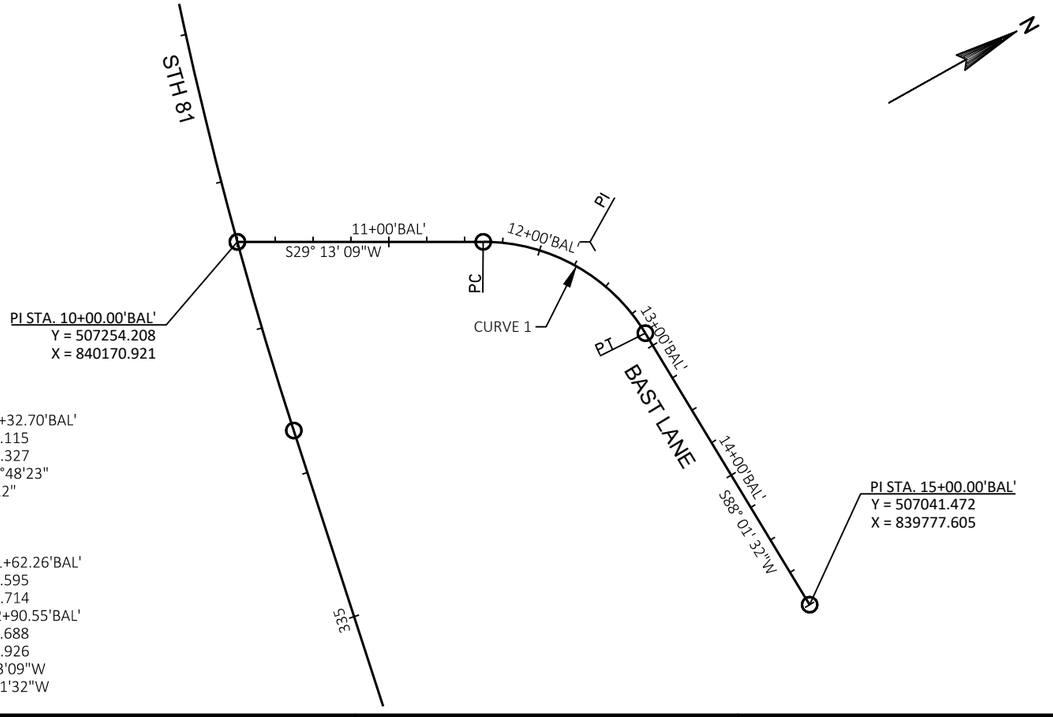
STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 21						
EndNormalShoulder	789+73.27'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	789+73.27'	-4.00%	-2.00%	-2.00%	-2.00%	
LevelCrown	790+26.75'	-4.00%	-2.00%	.00%	.00%	
ReverseCrown	790+80.23'	-4.00%	-2.00%	2.00%	2.00%	
LowShoulderMatch	791+33.71'	-4.00%	-4.00%	4.00%	4.00%	
BeginFullSuper	791+49.75'	-4.60%	-4.60%	4.60%	4.60%	
EndFullSuper	797+47.37'	-4.60%	-4.60%	4.60%	4.60%	
LowShoulderMatch	797+63.41'	-4.00%	-4.00%	4.00%	4.00%	
ReverseCrown	798+16.89'	-4.00%	-2.00%	2.00%	2.00%	
LevelCrown	798+70.37'	-4.00%	-2.00%	.00%	.00%	
BeginNormalCrown	799+23.85'	-4.00%	-2.00%	-2.00%	-2.00%	
BeginNormalShoulder	799+23.85'	-4.00%	-2.00%	-2.00%	-4.00%	

STH 81						
SUPERELEVATION TRANSITION EVENT POINTS		RATE				NOTES
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
		GRAVEL SHOULDER	PAVEMENT	PAVEMENT	GRAVEL SHOULDER	
Curve 22						
EndNormalShoulder	803+24.96'	-4.00%	-2.00%	-2.00%	-4.00%	
EndNormalCrown	803+24.96'	-4.00%	-2.00%	-2.00%	-2.00%	
LevelCrown	803+78.12'	-4.00%	-2.00%	.00%	.00%	
ReverseCrown	804+31.27'	-4.00%	-2.00%	2.00%	2.00%	
BeginFullSuper	804+79.12'	-4.00%	-3.00%	3.00%	4.00%	
EndFullSuper	807+15.83'	-4.00%	-3.00%	3.00%	4.00%	
ReverseCrown	807+63.67'	-4.00%	-2.00%	2.00%	2.00%	
LevelCrown	808+16.83'	-4.00%	-2.00%	.00%	.00%	
BeginNormalCrown	808+69.99'	-4.00%	-2.00%	-2.00%	-2.00%	
BeginNormalShoulder	808+69.99'	-4.00%	-2.00%	-2.00%	-4.00%	

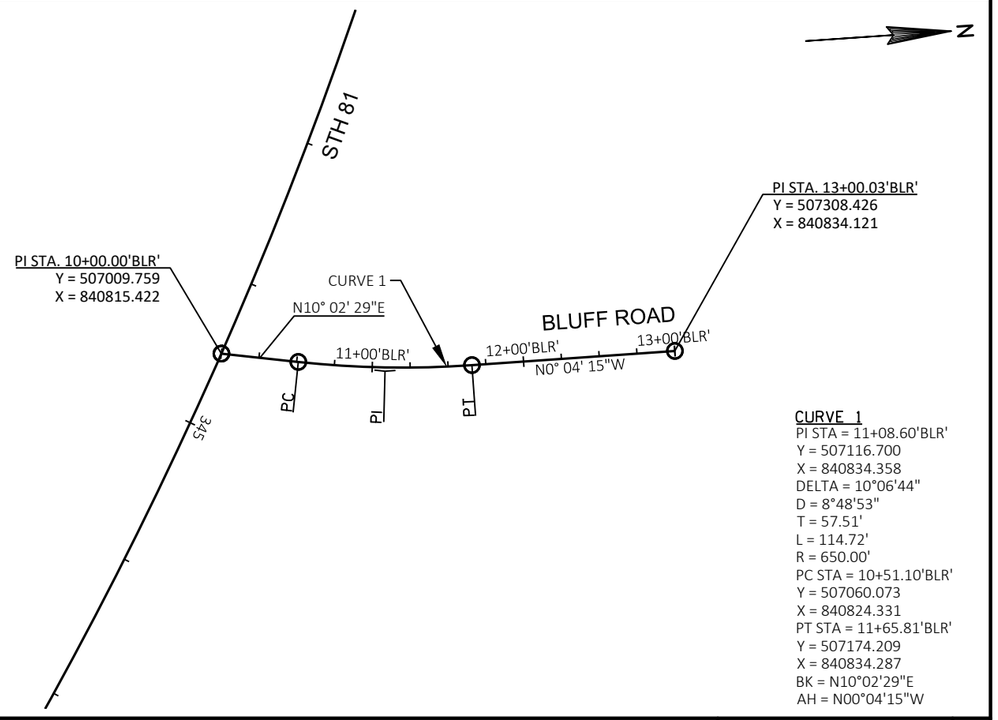




CURVE 1
PI STA = 11+57.47'AUP'
Y = 510900.331
X = 832799.260
DELTA = 2°50'01"
D = 5°43'46"
T = 24.73'
L = 49.46'
R = 1000.00'
PC STA = 11+32.74'AUP'
Y = 510924.972
X = 832801.399
PT STA = 11+82.19'AUP'
Y = 510875.614
X = 832798.342
BK = S04°57'39"W
AH = S02°07'38"W



CURVE 1
PI STA = 12+32.70'BAL'
Y = 507051.115
X = 840057.327
DELTA = 58°48'23"
D = 45°50'12"
T = 70.44'
L = 128.30'
R = 125.00'
PC STA = 11+62.26'BAL'
Y = 507112.595
X = 840091.714
PT STA = 12+90.55'BAL'
Y = 507048.688
X = 839986.926
BK = S29°13'09"W
AH = S88°01'32"W



CURVE 1
PI STA = 11+08.60'BLR'
Y = 507116.700
X = 840834.358
DELTA = 10°06'44"
D = 8°48'53"
T = 57.51'
L = 114.72'
R = 650.00'
PC STA = 10+51.10'BLR'
Y = 507060.073
X = 840824.331
PT STA = 11+65.81'BLR'
Y = 507174.209
X = 840834.287
BK = N10°02'29"E
AH = N00°04'15"W

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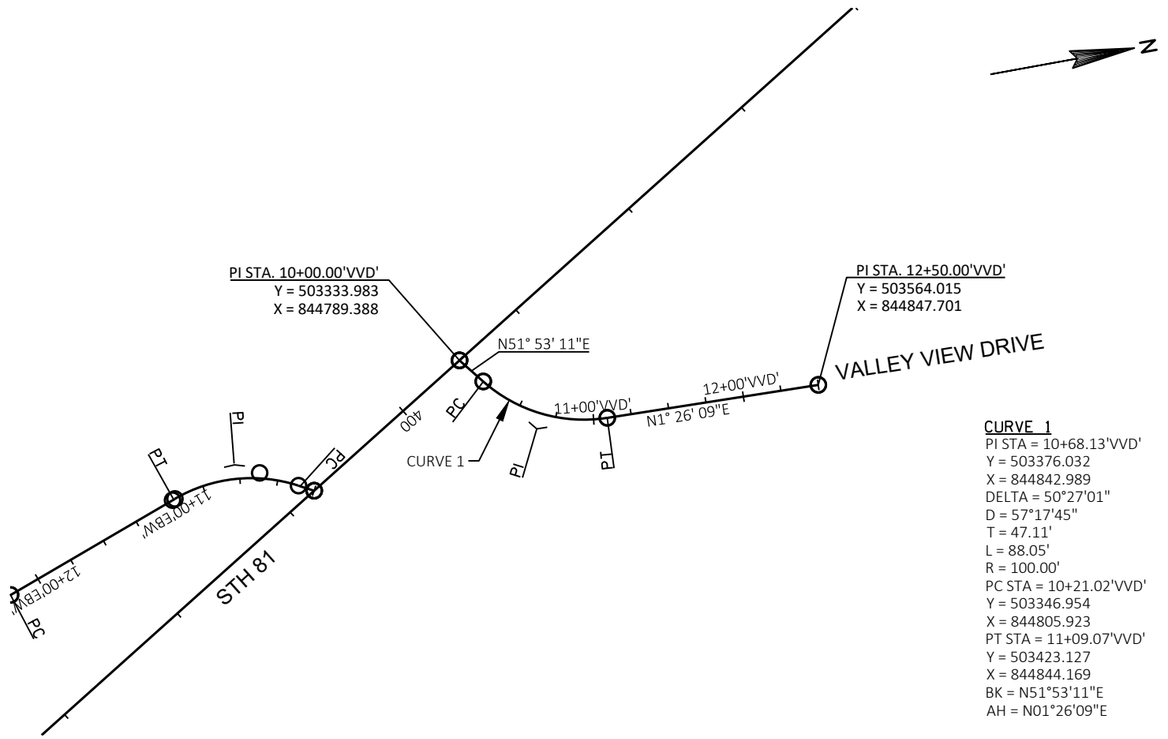
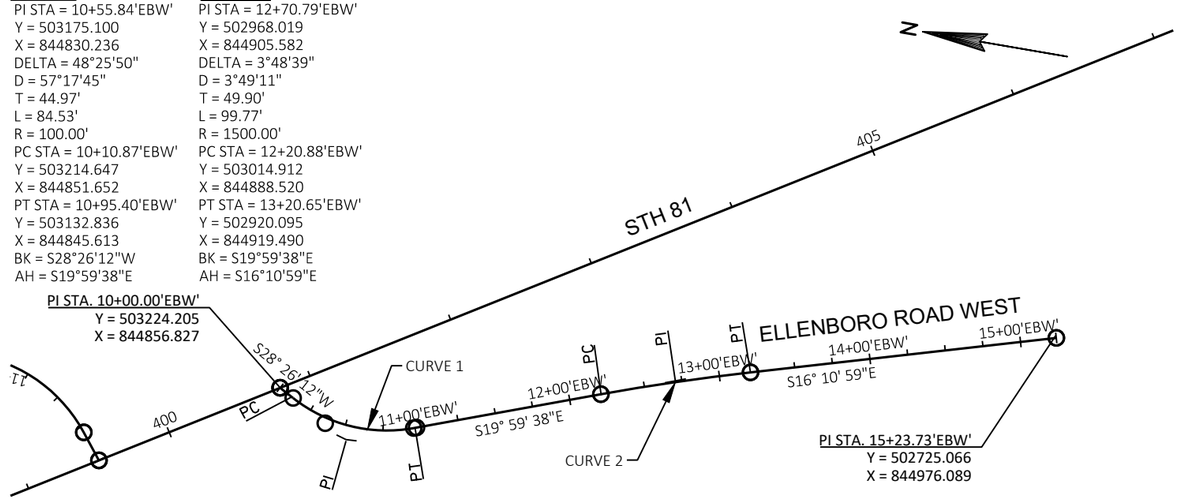
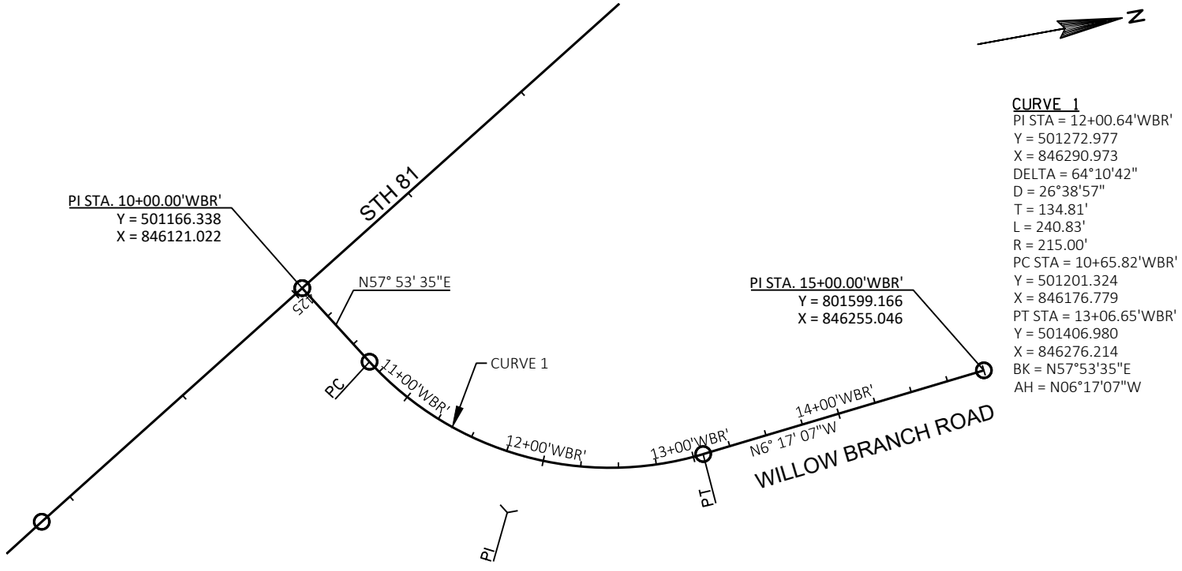


CURVE 1
PI STA = 10+68.13'VVD'
Y = 503376.032
X = 844842.989
DELTA = 50°27'01"
D = 57°17'45"
T = 47.11'
L = 88.05'
R = 100.00'
PC STA = 10+21.02'VVD'
Y = 503346.954
X = 844805.923
PT STA = 11+09.07'VVD'
Y = 503423.127
X = 844844.169
BK = N51°53'11"E
AH = N01°26'09"E

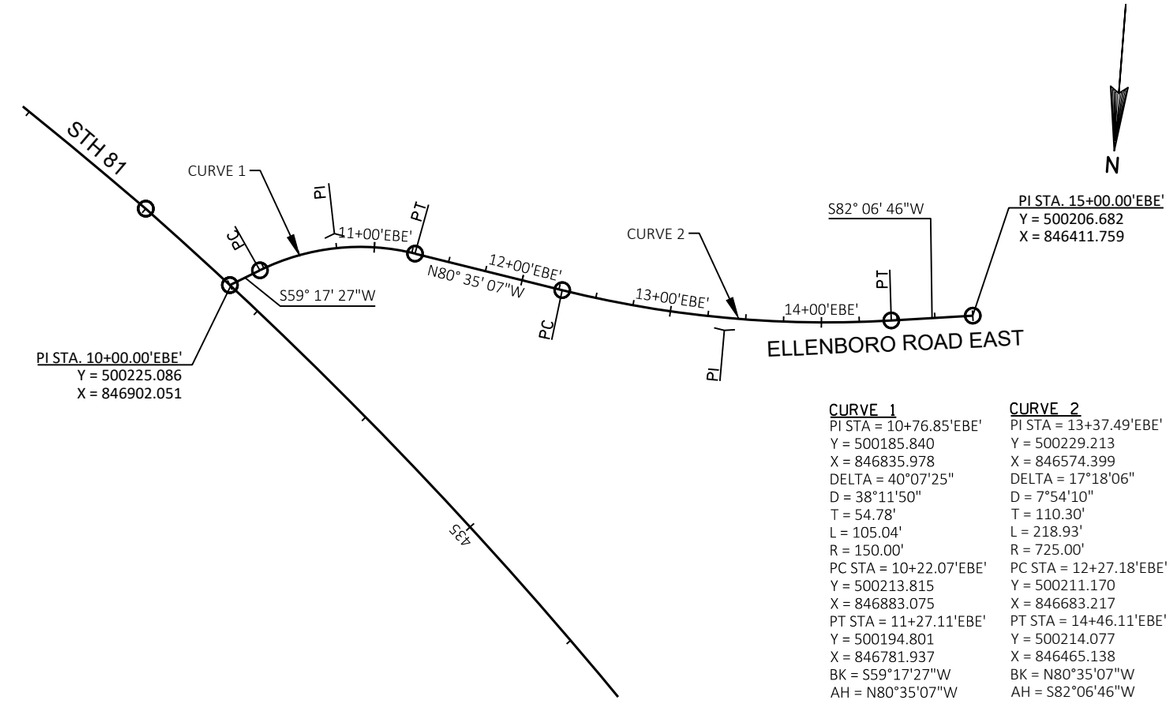
CURVE 1
PI STA = 10+55.84'EBW'
Y = 503175.100
X = 844830.236
DELTA = 48°25'50"
D = 57°17'45"
T = 44.97'
L = 84.53'
R = 100.00'
PC STA = 10+10.87'EBW'
Y = 503214.647
X = 844851.652
PT STA = 10+95.40'EBW'
Y = 503132.836
X = 844845.613
BK = S28°26'12"W
AH = S19°59'38"E

CURVE 2
PI STA = 12+70.79'EBW'
Y = 502968.019
X = 844905.582
DELTA = 3°48'39"
D = 3°49'11"
T = 49.90'
L = 99.77'
R = 1500.00'
PC STA = 12+20.88'EBW'
Y = 503014.912
X = 844888.520
PT STA = 13+20.65'EBW'
Y = 502920.095
X = 844919.490
BK = S19°59'38"E
AH = S16°10'59"E





CURVE 1
PI STA = 12+00.64'WBR'
Y = 501272.977
X = 846290.973
DELTA = 64°10'42"
D = 26°38'57"
T = 134.81'
L = 240.83'
R = 215.00'
PC STA = 10+65.82'WBR'
Y = 501201.324
X = 846176.779
PT STA = 13+06.65'WBR'
Y = 501406.980
X = 846276.214
BK = N57°53'35"E
AH = N06°17'07"W



CURVE 1
PI STA = 10+76.85'EBE'
Y = 500185.840
X = 846835.978
DELTA = 40°07'25"
D = 38°11'50"
T = 54.78'
L = 105.04'
R = 150.00'
PC STA = 10+22.07'EBE'
Y = 500213.815
X = 846883.075
PT STA = 11+27.11'EBE'
Y = 500194.801
X = 846781.937
BK = S59°17'27"W
AH = N80°35'07"W

CURVE 2
PI STA = 13+37.49'EBE'
Y = 500229.213
X = 846574.399
DELTA = 17°18'06"
D = 7°54'10"
T = 110.30'
L = 218.93'
R = 725.00'
PC STA = 12+27.18'EBE'
Y = 500211.170
X = 846683.217
PT STA = 14+46.11'EBE'
Y = 500214.077
X = 846465.138
BK = N80°35'07"W
AH = S82°06'46"W

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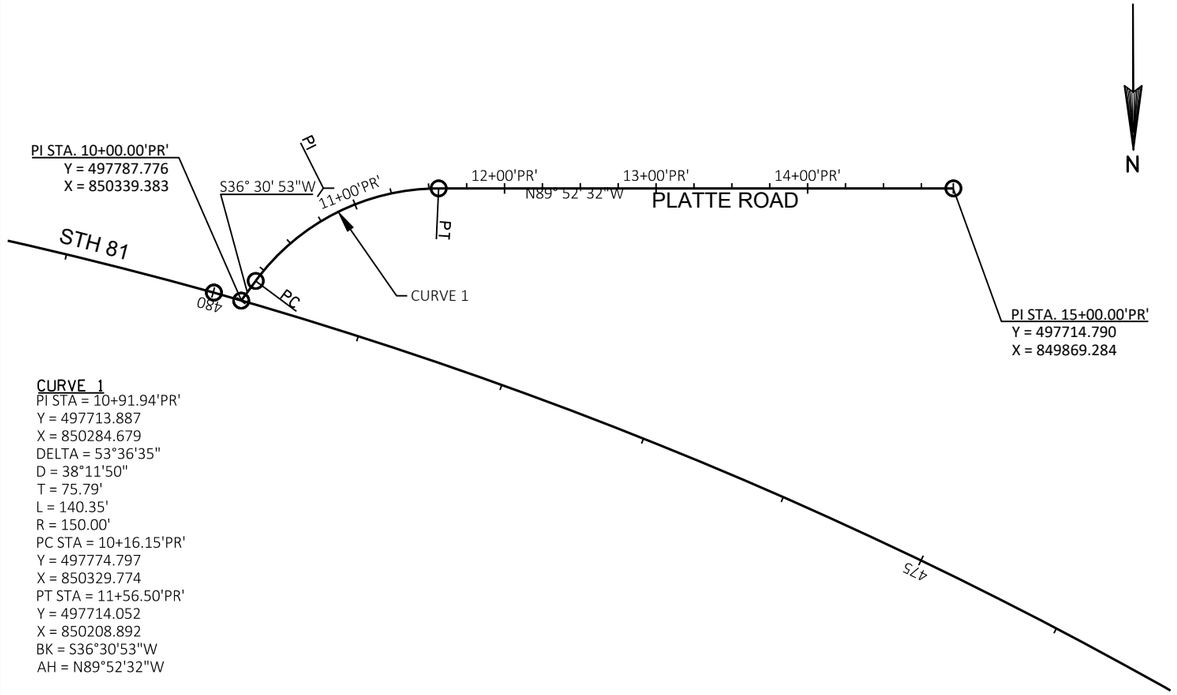
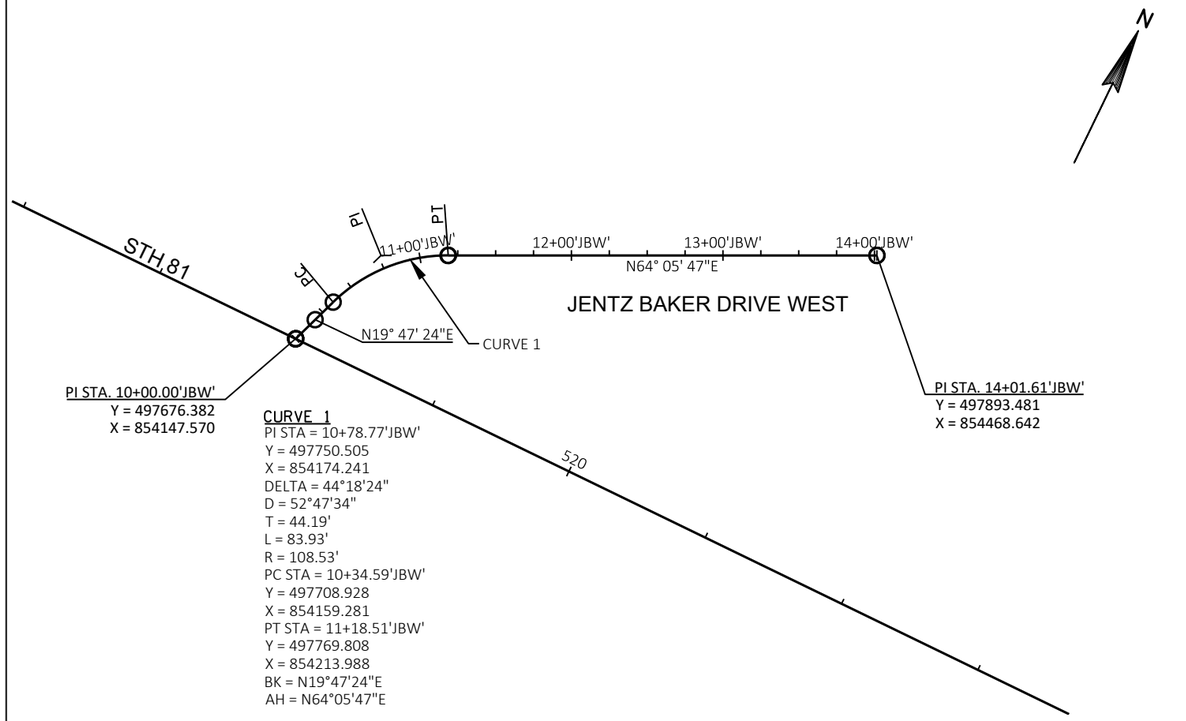
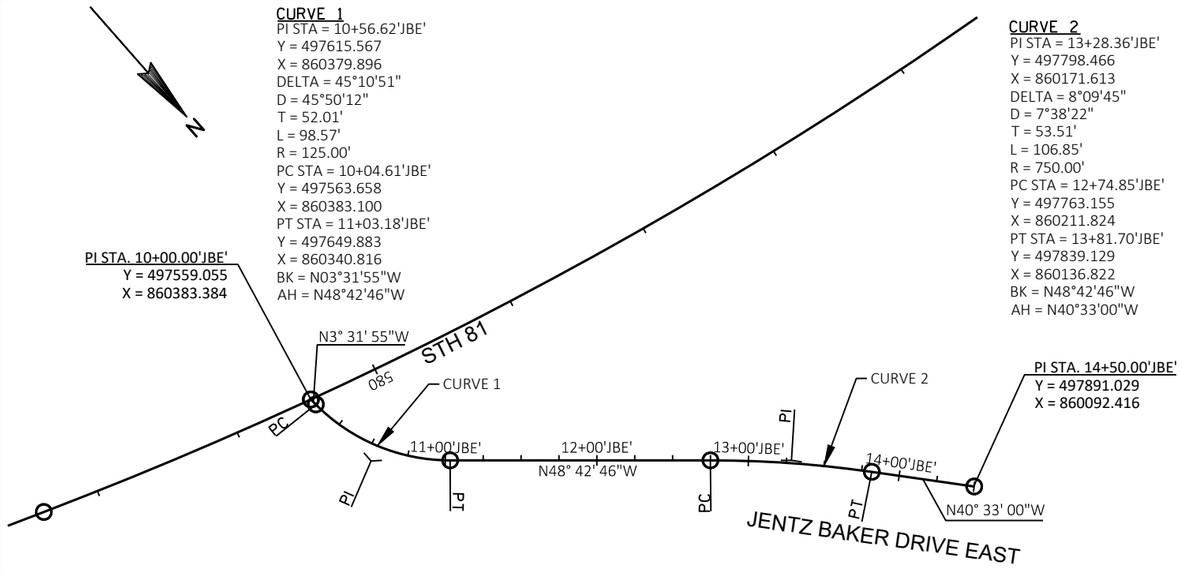
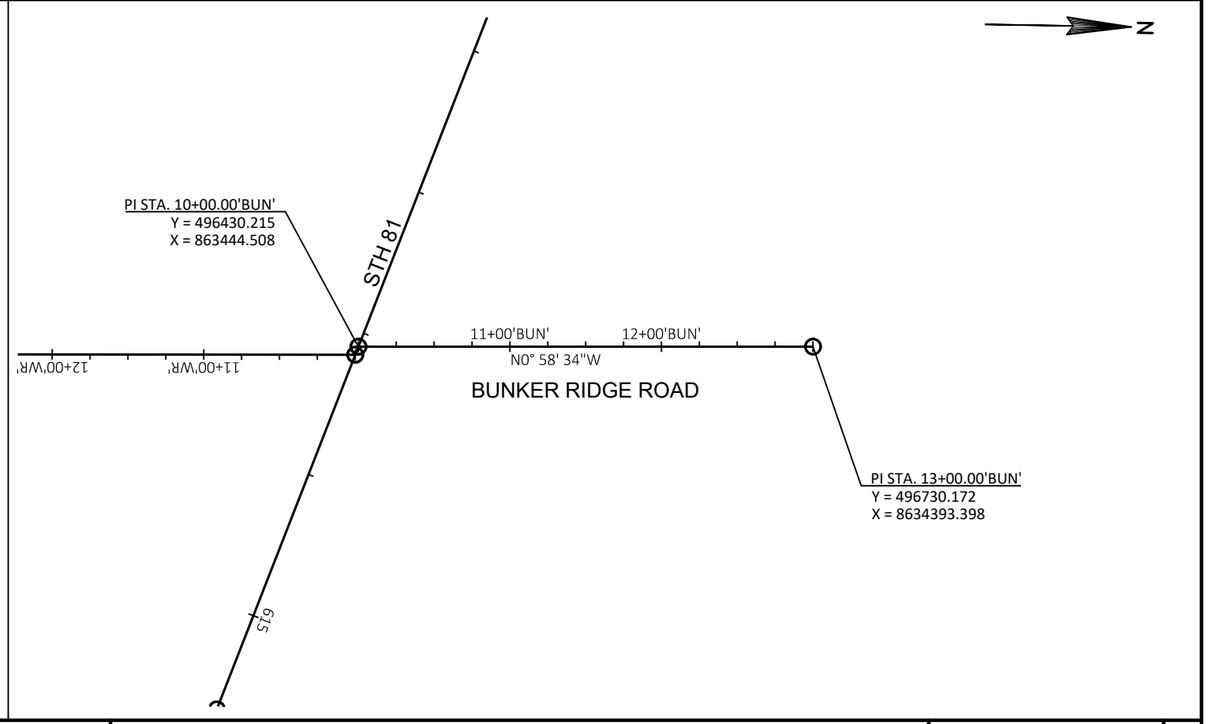


CURVE 1
PI STA = 10+91.94'PR'
Y = 497713.887
X = 850284.679
DELTA = 53°36'35"
D = 38°11'50"
T = 75.79'
L = 140.35'
R = 150.00'
PC STA = 10+16.15'PR'
Y = 497774.797
X = 850329.774
PT STA = 11+56.50'PR'
Y = 497714.052
X = 850208.892
BK = S36°30'53"W
AH = N89°52'32"W



CURVE 1
PI STA = 10+78.77'JBW'
Y = 497750.505
X = 854174.241
DELTA = 44°18'24"
D = 52°47'34"
T = 44.19'
L = 83.93'
R = 108.53'
PC STA = 10+34.59'JBW'
Y = 497708.928
X = 854159.281
PT STA = 11+18.51'JBW'
Y = 497769.808
X = 854213.988
BK = N19°47'24"E
AH = N64°05'47"E





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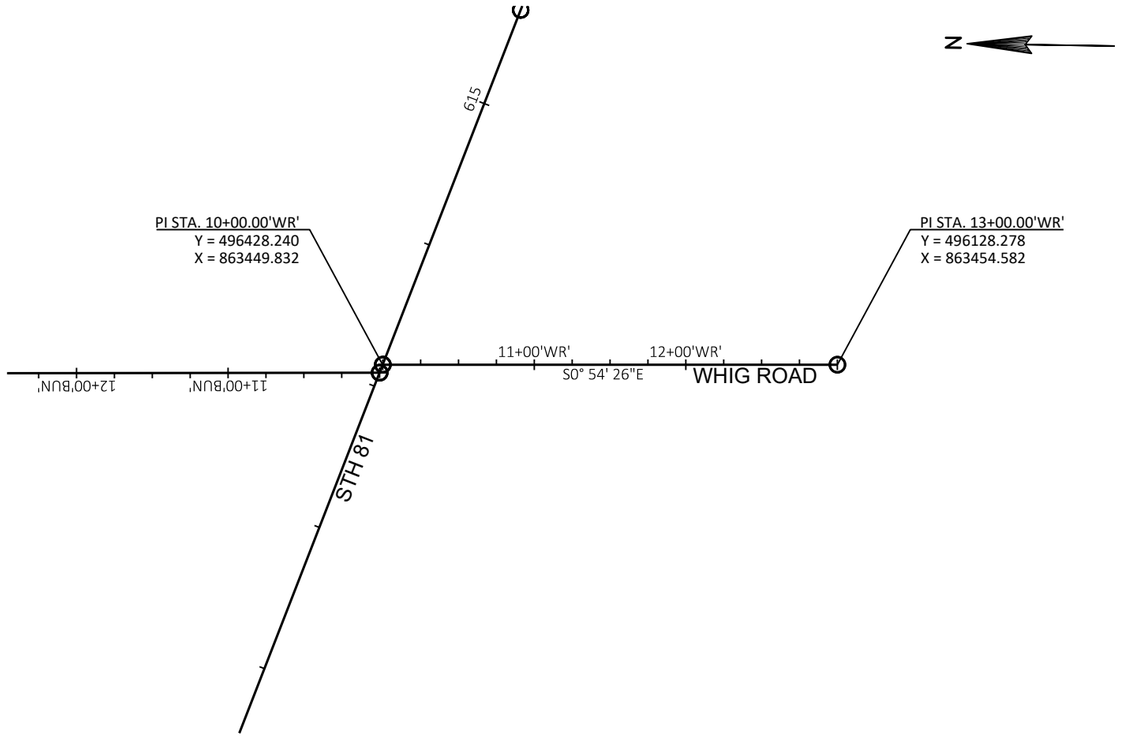
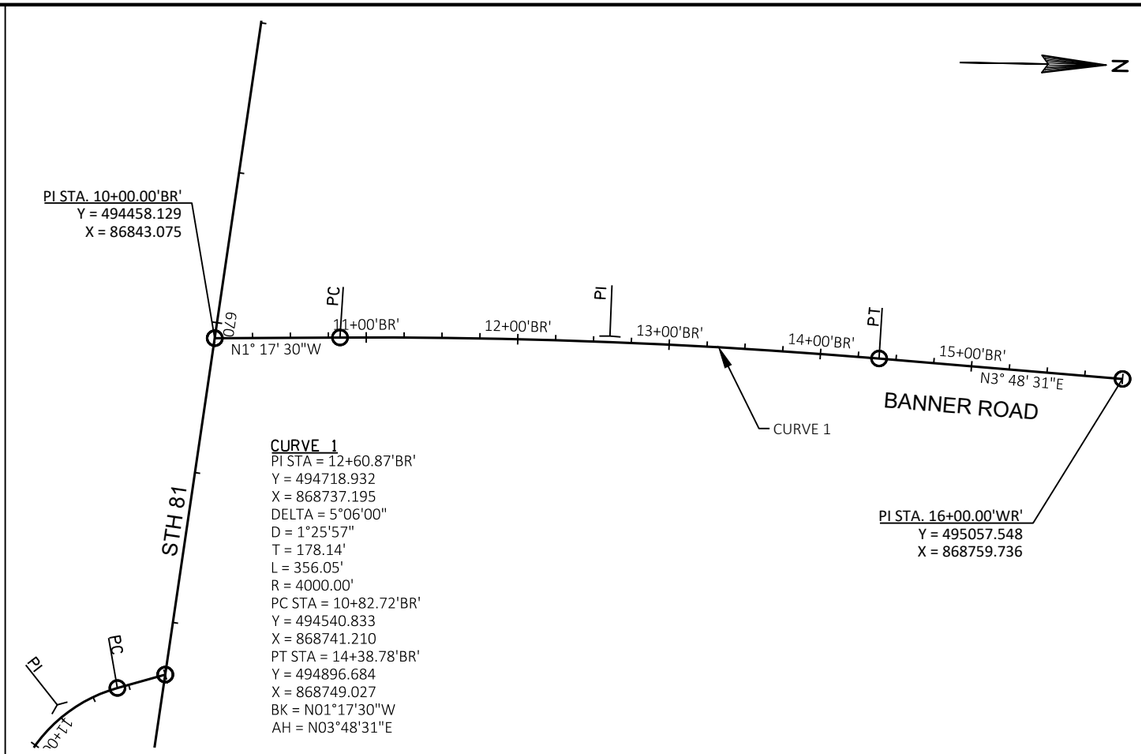
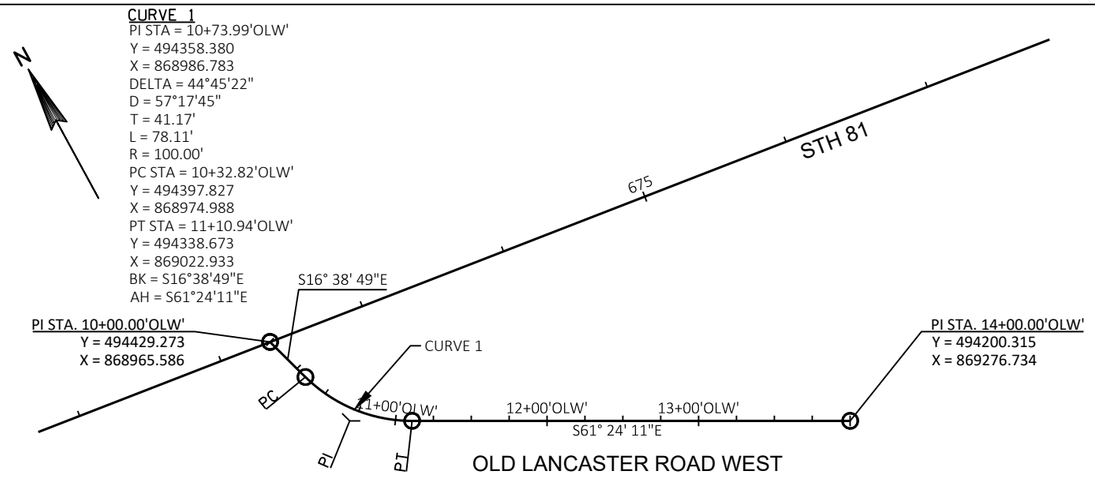
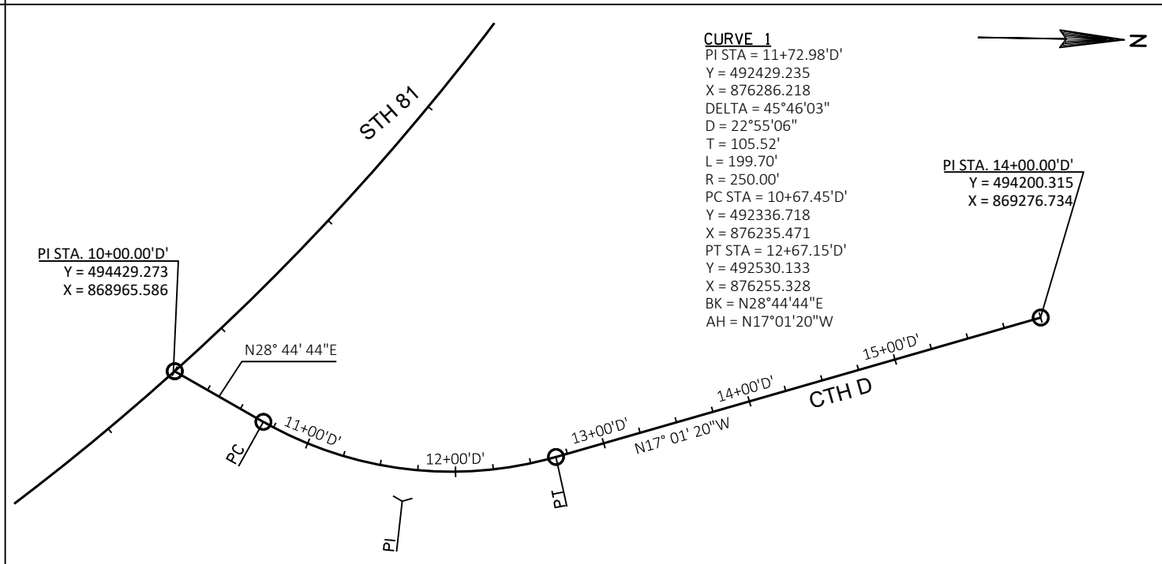




CURVE 1
PI STA = 12+60.87'BR'
Y = 494718.932
X = 868737.195
DELTA = 5°06'00"
D = 1°25'57"
T = 178.14'
L = 356.05'
R = 4000.00'
PC STA = 10+82.72'BR'
Y = 494540.833
X = 868741.210
PT STA = 14+38.78'BR'
Y = 494896.684
X = 868749.027
BK = N01°17'30"W
AH = N03°48'31"E





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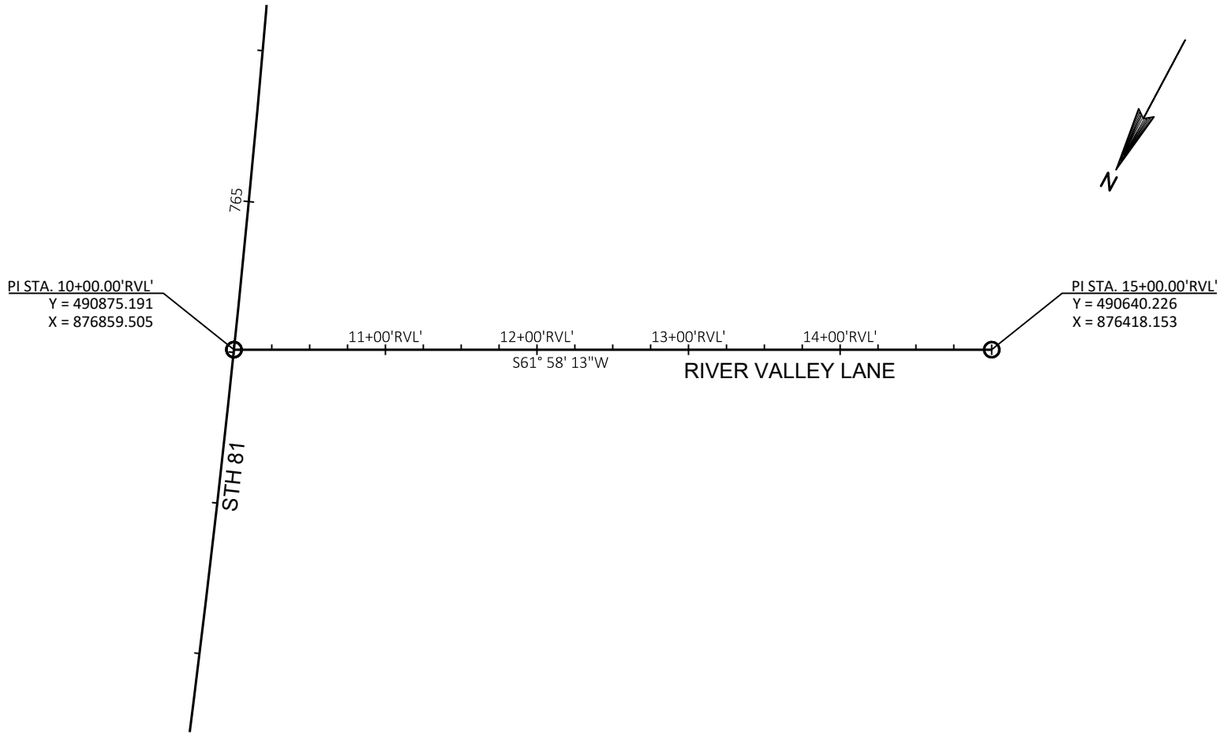

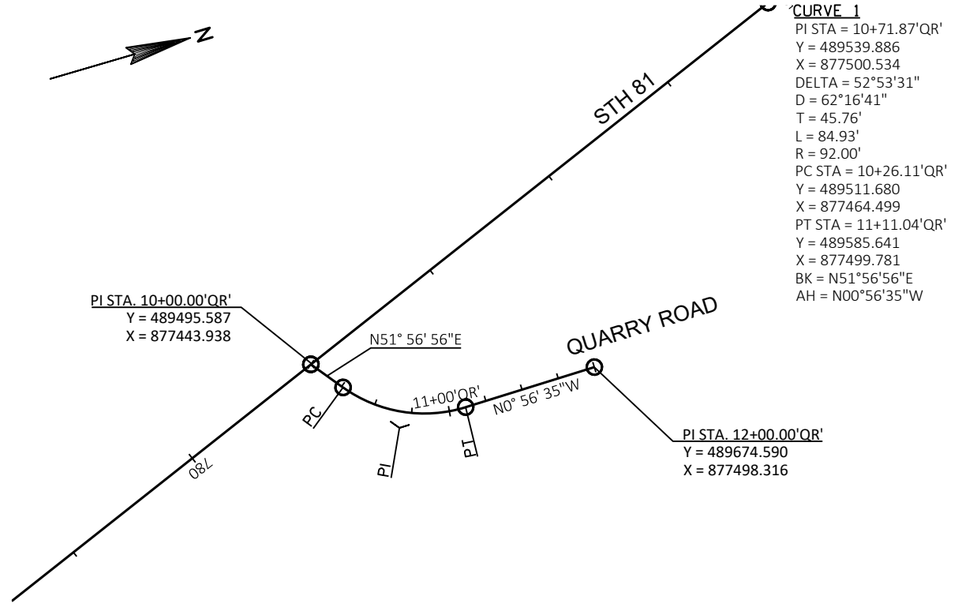

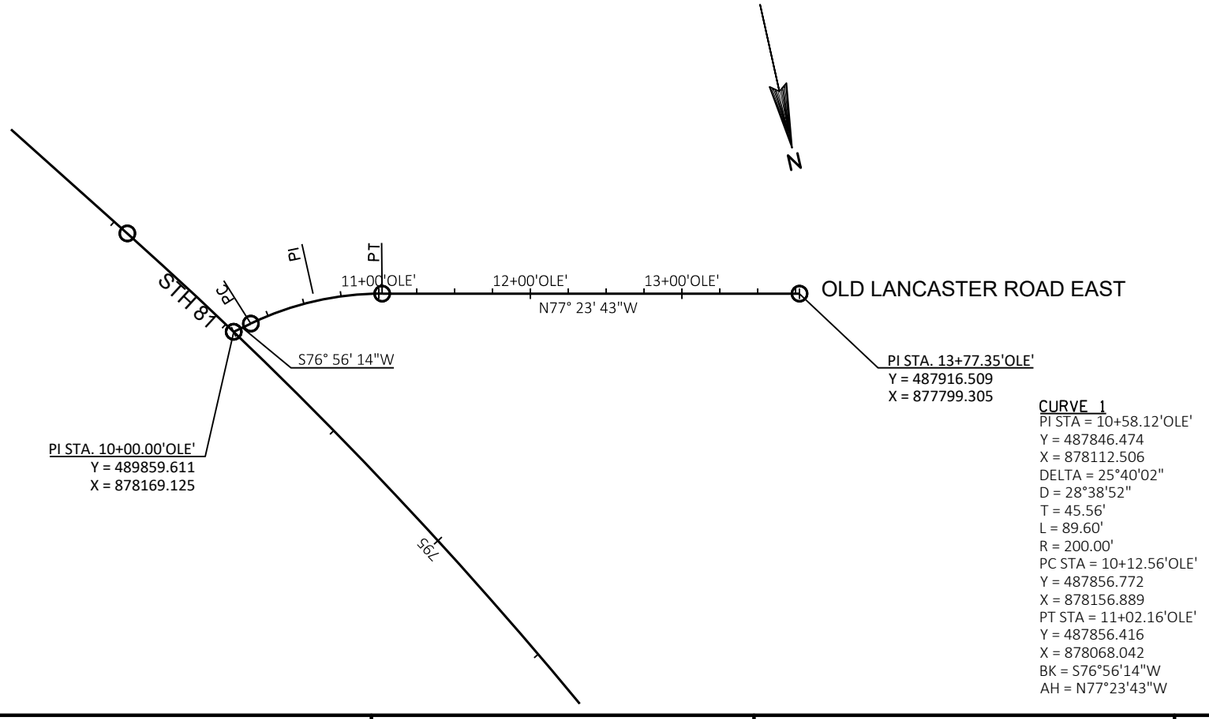

CURVE 1
PI STA = 10+58.12'OLE'
Y = 487846.474
X = 878112.506
DELTA = 25°40'02"
D = 28°38'52"
T = 45.56'
L = 89.60'
R = 200.00'
PC STA = 10+12.56'OLE'
Y = 487856.772
X = 878156.889
PT STA = 11+02.16'OLE'
Y = 487856.416
X = 878068.042
BK = S76°56'14"W
AH = N77°23'43"W

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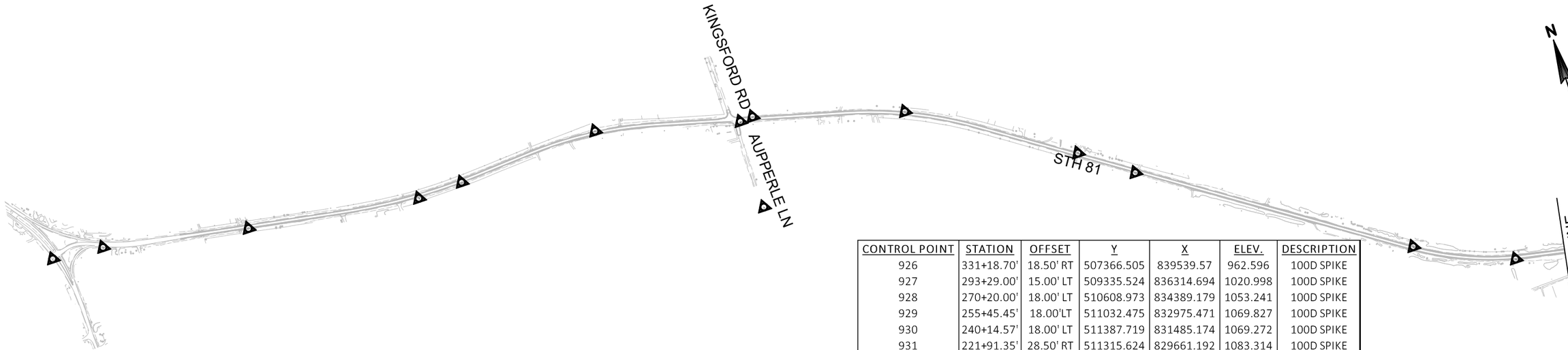
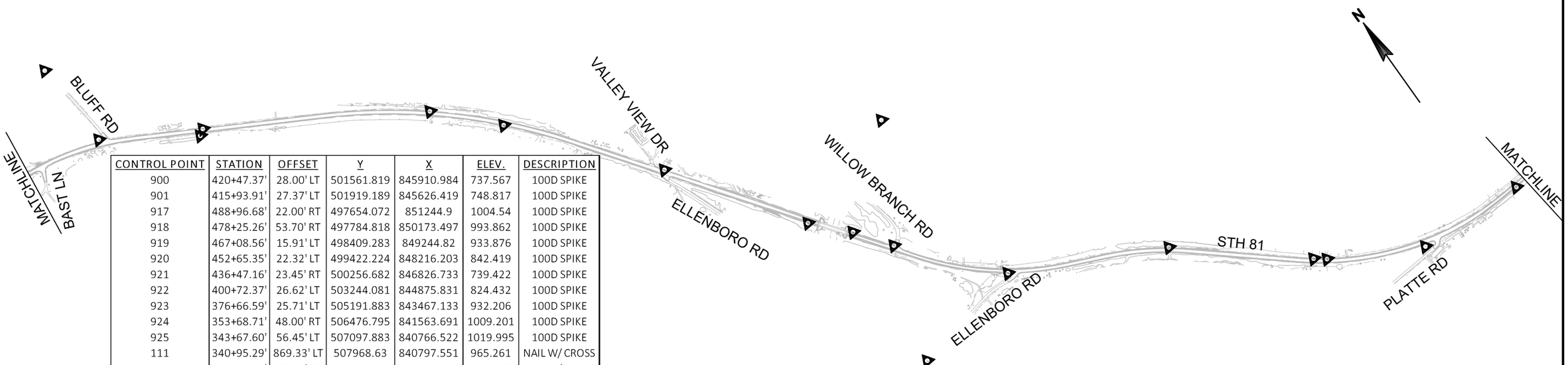
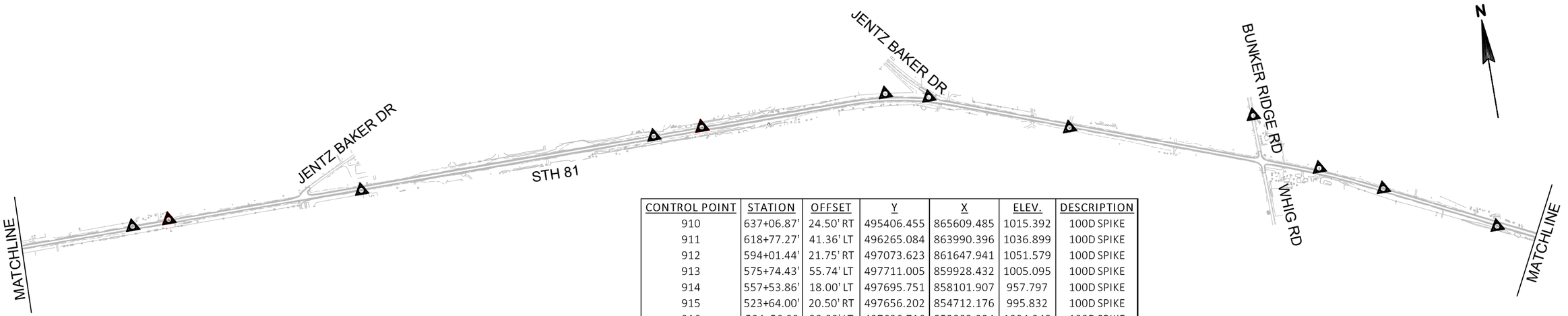


CONTROL POINT	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
926	331+18.70'	18.50' RT	507366.505	839539.57	962.596	100D SPIKE
927	293+29.00'	15.00' LT	509335.524	836314.694	1020.998	100D SPIKE
928	270+20.00'	18.00' LT	510608.973	834389.179	1053.241	100D SPIKE
929	255+45.45'	18.00'LT	511032.475	832975.471	1069.827	100D SPIKE
930	240+14.57'	18.00' LT	511387.719	831485.174	1069.272	100D SPIKE
931	221+91.35'	28.50' RT	511315.624	829661.192	1083.314	100D SPIKE
932	205+17.75'	19.00' RT	511565.514	828004.247	1084.713	100D SPIKE
933	191+00.00'	31.21' RT	511840.796	826610.636	1082.558	100D SPIKE
103	N/A	N/A	511890.765	826113.956	1069.911	NAIL W/ CROSS
104	226+31.61'	12.62' RT	511329.803	830102.867	1081.115	NAIL W/ CROSS
106	256+00.00'	861.13' RT	510168.941	832800.313	1015.612	NAIL W/ CROSS
107	254+25.00'	21.00' RT	511025.946	832848.7	1070.414	NAIL W/ CROSS
108	287+43.17'	15.00' LT	509692.778	835849.103	1029.76	NAIL W/ CROSS
109	321+14.27'	15.00' LT	507797.299	838636.606	941.436	NAIL W/ CROSS

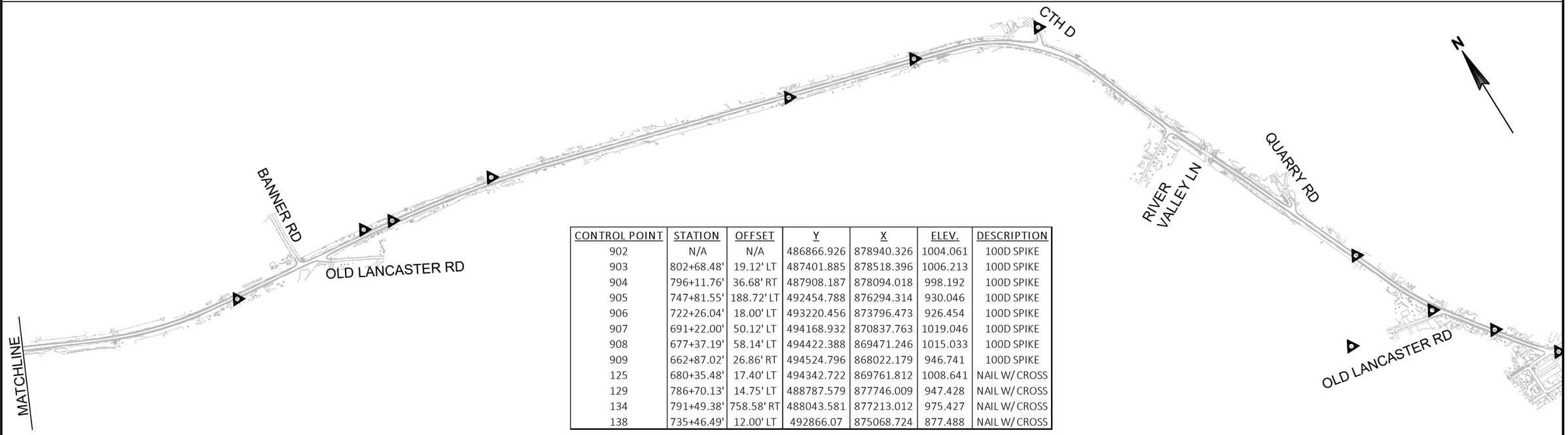


CONTROL POINT	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
900	420+47.37'	28.00' LT	501561.819	845910.984	737.567	100D SPIKE
901	415+93.91'	27.37' LT	501919.189	845626.419	748.817	100D SPIKE
917	488+96.68'	22.00' RT	497654.072	851244.9	1004.54	100D SPIKE
918	478+25.26'	53.70' RT	497784.818	850173.497	993.862	100D SPIKE
919	467+08.56'	15.91' LT	498409.283	849244.82	933.876	100D SPIKE
920	452+65.35'	22.32' LT	499422.224	848216.203	842.419	100D SPIKE
921	436+47.16'	23.45' RT	500256.682	846826.733	739.422	100D SPIKE
922	400+72.37'	26.62' LT	503244.081	844875.831	824.432	100D SPIKE
923	376+66.59'	25.71' LT	505191.883	843467.133	932.206	100D SPIKE
924	353+68.71'	48.00' RT	506476.795	841563.691	1009.201	100D SPIKE
925	343+67.60'	56.45' LT	507097.883	840766.522	1019.995	100D SPIKE
111	340+95.29'	869.33' LT	507968.63	840797.551	965.261	NAIL W/ CROSS
112	354+02.04'	17.00' LT	506512.807	841627.151	1004.853	NAIL W/ CROSS
113	384+11.57'	13.42' RT	504613.507	843938.816	886.854	NAIL W/ CROSS
114	430+42.98'	976.82' RT	500108.228	845652.474	721.048	NAIL W/ CROSS
115	419+64.40'	1174.5' LT	502232.648	846844.395	765.999	NAIL W/ CROSS
116	424+75.49'	29.25' LT	501197.807	846136.204	727.58	NAIL W/ CROSS
117	468+43.19'	12.00' LT	498320.322	849344.396	941.497	NAIL W/ CROSS

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CONTROL POINT DETAILS	SHEET	E



CONTROL POINT	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
910	637+06.87'	24.50' RT	495406.455	865609.485	1015.392	100D SPIKE
911	618+77.27'	41.36' LT	496265.084	863990.396	1036.899	100D SPIKE
912	594+01.44'	21.75' RT	497073.623	861647.941	1051.579	100D SPIKE
913	575+74.43'	55.74' LT	497711.005	859928.432	1005.095	100D SPIKE
914	557+53.86'	18.00' LT	497695.751	858101.907	957.797	100D SPIKE
915	523+64.00'	20.50' RT	497656.202	854712.176	995.832	100D SPIKE
916	504+56.00	20.00' LT	497696.716	852803.924	1004.248	100D SPIKE
118	500+94.50'	15.00' LT	497691.365	852442.717	1006.108	NAIL W/ CROSS
121	579+94.06'	31.70' LT	497604.234	860341.214	1009.068	NAIL W/ CROSS
123	611+48.96'	423.61' LT	496883.268	863441.266	1040.61	NAIL W/ CROSS
124	625+33.11'	12.00' LT	495961.088	864574.248	1021.639	NAIL W/ CROSS
137	552+75.83'	12.00' RT	497689.028	857623.913	961.187	NAIL W/ CROSS



CONTROL POINT	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
902	N/A	N/A	486866.926	878940.326	1004.061	100D SPIKE
903	802+68.48'	19.12' LT	487401.885	878518.396	1006.213	100D SPIKE
904	796+11.76'	36.68' RT	487908.187	878094.018	998.192	100D SPIKE
905	747+81.55'	188.72' LT	492454.788	876294.314	930.046	100D SPIKE
906	722+26.04'	18.00' LT	493220.456	873796.473	926.454	100D SPIKE
907	691+22.00'	50.12' LT	494168.932	870837.763	1019.046	100D SPIKE
908	677+37.19'	58.14' LT	494422.388	869471.246	1015.033	100D SPIKE
909	662+87.02'	26.86' RT	494524.796	868022.179	946.741	100D SPIKE
125	680+35.48'	17.40' LT	494342.722	869761.812	1008.641	NAIL W/ CROSS
129	786+70.13'	14.75' LT	488787.579	877746.009	947.428	NAIL W/ CROSS
134	791+49.38'	758.58' RT	488043.581	877213.012	975.427	NAIL W/ CROSS
138	735+46.49'	12.00' LT	492866.07	875068.724	877.488	NAIL W/ CROSS

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CONTROL POINT DETAILS	SHEET	E

CLEARING & GRUBBING

STATION	-	STATION	LOCATION	201.0105 CLEARING (STA)	201.0205 GRUBBING (STA)
323+00	-	325+00	RT	2	2
685+00	-	686+00	RT	2	2
736+00	-	739+00	RT	3	3
			PROJECT TOTALS	7	7

REMOVING PAVEMENT

STATION	-	STATION	204.0100 REMOVING PAVEMENT (SY)	204.0175 REMOVING CONCRETE SLOPE PAVING (SY)	COMMENTS
198+50	-	394+25	47,850	--	REMOVE PREVIOUSLY RUBBLIZED CONCRETE PAVEMENT
405+95	-	416+92	2,682	--	REMOVE PREVIOUSLY RUBBLIZED CONCRETE PAVEMENT
419+96	-	423+25	804	--	REMOVE PREVIOUSLY RUBBLIZED CONCRETE PAVEMENT
423+25	-	431+25	3,200	1,067	ONLY REMOVE SLOPE PAVING THAT INTERFERES WITH PAVED SHOULDER
431+25	-	633+00	49,317	--	REMOVE PREVIOUSLY RUBBLIZED CONCRETE PAVEMENT
644+00	-	748+42	25,525	--	REMOVE PREVIOUSLY RUBBLIZED CONCRETE PAVEMENT
748+42	-	751+00	631	--	REMOVE PREVIOUSLY RUBBLIZED CONCRETE PAVEMENT
767+61	-	767+77	77	--	B-28-227 APPROACH SLAB
769+24	-	769+40	77	--	B-28-227 APPROACH SLAB
777+00	-	807+50	7,456	--	REMOVE PREVIOUSLY RUBBLIZED CONCRETE PAVEMENT
		PROJECT TOTALS	137,618	1,067	

REMOVING CURB & GUTTER

STATION	-	STATION	SIDE	204.0150 REMOVING CURB & GUTTER LF
252+68	-	253+08	LT	70
253+13	-	253+91	RT	149
253+29	-	253+97	LT	94
254+09	-	254+48	RT	70
336+78	-	337+22	RT	81
337+59	-	338+15	RT	77
338+51	-	344+10	LT	602
344+51	-	344+93	LT	55
400+31	-	400+83	RT	57
406+45	-	411+33	RT	488
424+40	-	424+78	LT	62
425+10	-	425+68	LT	81
436+47	-	436+65	RT	79
437+38	-	459+25	RT	2,193
479+07	-	479+21	RT	62
479+76	-	484+51	RT	490
517+23	-	517+73	LT	59
518+50	-	518+70	LT	66
579+68	-	579+69	LT	57
580+53	-	581+04	LT	58
612+41	-	612+76	LT	65
612+55	-	613+34	RT	106
612+95	-	613+63	LT	91
613+50	-	613+80	RT	52
633+73	-	643+26	LT	954
635+73	-	643+26	RT	753
669+49	-	669+91	LT	69
670+12	-	670+75	LT	87
671+47	-	672+01	RT	59
672+90	-	673+03	RT	61
745+75	-	751+18	RT	537
747+52	-	747+92	LT	104
748+55	-	748+92	LT	52
756+49	-	758+67	RT	218
763+36	-	763+95	RT	90
764+24	-	764+64	RT	68
778+24	-	789+50	LT	1157
778+27	-	778+38	LT	66
796+16	-	796+35	RT	71
797+13	-	797+95	RT	46
		PROJECT TOTALS		9,656

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REMOVING GUARDRAIL

STATION	-	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF
205+87	-	210+15	RT	428
240+17	-	244+35	RT	418
299+22	-	310+70	RT	1148
308+53	-	311+08	LT	255
321+19	-	324+71	RT	352
321+85	-	325+68	LT	383
331+85	-	336+64	LT	479
332+13	-	336+17	RT	404
381+56	-	391+42	LT	986
393+47	-	399+51	RT	604
406+40	-	416+99	RT	1059
410+01	-	416+98	LT	697
419+91	-	421+77	RT	186
419+91	-	423+02	LT	311
438+97	-	459+64	RT	2067
484+78	-	488+65	RT	387
518+41	-	521+93	RT	352
529+66	-	532+94	LT	328
529+85	-	532+88	RT	303
536+31	-	538+71	RT	240
536+69	-	538+47	LT	178
543+19	-	546+22	RT	303
543+80	-	546+83	LT	303
560+29	-	566+05	RT	579
563+55	-	568+33	LT	478
652+26	-	658+00	RT	574
653+26	-	657+82	LT	456
680+24	-	686+30	RT	606
680+50	-	686+28	LT	578
764+48	-	767+61	LT	313
765+50	-	767+60	RT	210
769+39	-	772+31	LT	292
769+41	-	771+53	RT	212
		PROJECT TOTALS		16,469

ASPHALTIC FLUME

STATION	LOCATION	465.0315 ASPHALTIC FLUME SY
253+55	RT	4
10+72'KR'	LT	6
10+72'KR'	RT	6
254+31	RT	7
336+72	RT	10
10+56'BAL'	LT	6
338+51	LT	9
345+02	LT	5
424+65	LT	5
11+00'EBE'	RT	5
437+37	RT	8
440+25	RT	8
444+74	RT	42
10+52'PR'	LT	6
10+33'PR'	LT	8
10+88'PR'	RT	10
579+69	LT	15
580+55	LT	14
612+37	LT	5
613+24	LT	5
643+28	RT	6
643+28	LT	6
670+37	LT	5
747+52	LT	9
749+46	LT	10
751+21	RT	8
758+72	RT	6
763+93	RT	8
11+31'QR'	RT	9
796+10	RT	6
	PROJECT TOTALS	257

EARTHWORK SUMMARY (PROJECT 5225-05-70)

Division	From/To Station	Location	205.0100 Excavation Common (1) CY		Salvaged/ Unusable Pavement Material	Available Material (4)	Unexpanded Fill	Expanded Fill (5)	Mass Ordinate +/- (6)
			Cut (2)	EBS (3)				Factor 1.3	
1	198+50 - 416+93	STH 81	34,569		16,740	17,829	477	620	33,949
	10+00'KR' - 11+03'KR'	KINGSFORD RD	143			143			143
	10+05'AUP' - 11+54'AUP'	AUPPERLE LN	227			227			227
	10+02'BAL' - 11+58'BAL'	BAST LN	225			225			225
	10+14'BLR' - 11+17'BLR'	BLUFF RD	160			160			160
	10+23'EBW' - 10+89'EBW'	ELLENBORO RD WEST	133			133			133
Division 1 Subtotal			35,457	0	16,740	18,717	477	620	34,837
2	419+97 - 745+00	STH 81	48,160		23,760	24,400	1,775	2,308	45,852
	10+19'WBR' - 10+95'WBR'	WILLOW BRANCH RD	156			156			156
	10+18'EBE' - 11+32'EBE'	ELLENBORO RD EAST	216			216			216
	10+29'PR' - 11+39'PR'	PLATTE RD	187			187			187
	10+20'JBW' - 11+22'JBW'	JENTZ BAKER DR WEST	216			216			216
	10+20'JBE' - 11+95'JBE'	JENTZ BAKER DR EAST	268			268			268
	10+00'BUN - 10+97'BUN'	BUNKER RIDGE RD	116			116			116
	10+00'WR' - 11+17'WR'	WHIG RD	152			152			152
	10+08'BR' - 10+94'BR'	BANNER RD	133			133			133
	10+00'OLW' - 11+20'OLW'	OLD LANCASTER RD WEST	204			204			204
Division 2 Subtotal			49,808	0	23,760	26,048	1,775	2,308	47,500
3	745+00- 767+77	STH 81	3,920		1,620	2,300	226	293	3,627
	769+23 - 807+50	STH 81	10,285		2,880	7,405	1,083	1,408	8,877
	10+06'D' - 11+46'D'	CTH D	262			262			262
	10+22'RVL' - 11+05'RVL'	RIVER VALLEY RD	159			159			159
	10+21'QR' - 11+60'QR'	QUARRY RD	225			225			225
	10+17'OLE' - 11+33'OLE'	OLD LANCASTER RD EAST	222			222			222
Division 3 Subtotal			15,074	0	4,500	10,574	1,308	1,701	13,373
Grand Total			100,338	0	45,000	55,338	3,561	4,629	95,709
			Total Common Exc	100,338					

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100.

2) Salvaged/Unsuable Pavement Material is included in Cut.

3) EBS quantities listed elsewhere. See Miscellaneous Quantities sheets.

4) Available Material = Cut - Salvaged/Unusuable Pavement Material.

5) Expanded Fill = Unexpanded Fill * Fill Factor

6) Mass Ordinate + or - Quantity Calculated for the Division. Plus Quantity indicates an excess of material. Minus indicates a shortage of material.

ESTIMATED EXCAVATION BELOW SUBGRADE AREAS

STATION - STATION		LOCATION	* 205.0100 COMMON EXCAVATION (CY)	312.0110 SELECT CRUSHED MATERIAL (TON)	645.0220 GEOGRID TYPE SR (SY)	ESTIMATED WIDTH (FT):	ESTIMATED DEPTH (FT):	LOCATION
281+00 -	320+00	LT/RT	4,333	8,233	13,000	30	1	STH 81
334+00 -	336+50	LT/RT	278	528	833	30	1	STH 81
375+00 -	393+50	LT/RT	3,015	5,728	9,044	44	1	STH 81
428+00 -	445+00	LT/RT	2,770	5,264	8,311	44	1	STH 81
475+00 -	485+00	LT/RT	1,630	3,096	4,889	44	1	STH 81
591+00 -	607+00	LT/RT	2,607	4,954	7,822	44	1	STH 81
620+00 -	633+00	LT/RT	2,119	4,025	6,356	44	1	STH 81
644+00 -	648+00	LT/RT	652	1,239	1,956	44	1	STH 81
658+00 -	669+00	LT/RT	3,422	6,502	5,133	42	2	STH 81
696+00 -	705+00	LT/RT	1,333	2,533	4,000	40	1	STH 81
UNDISTRIBUTED EBS			8,136	15,459	24,408	--	--	STH 81
RELIEF TRENCHES			1,799	3,418	--	SEE DETAIL	SEE DETAIL	STH 81
PROJECT TOTALS			32,094	60,979	85,753			

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

RUMBLE STRIPS

STATION	-	STATION	LOCATION	465.0475 ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL LF
198+50	-	251+37	CL	5,287
255+82	-	335+59	CL	7,977
339+59	-	342+50	CL	290
346+49	-	397+50	CL	5,101
402+79	-	416+68	CL	1,389
420+22	-	422+94	CL	272
426+94	-	435+25	CL	831
439+25	-	477+81	CL	3,856
481+80	-	516+00	CL	3,419
520+00	-	578+47	CL	5,848
582+47	-	611+09	CL	2,863
615+15	-	668+10	CL	5,295
674+35	-	746+43	CL	7,208
750+41	-	762+02	CL	1,161
766+02	-	767+52	CL	150
769+48	-	777+00	CL	752
781+00	-	794+93	CL	1,393
798+93	-	807+50	CL	857
PROJECT TOTALS				53,949

APPROACH SLAB

STATION	-	STATION	LOCATION	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	416.0610 DRILLED TIE BAR EA	NOTE:
767+61	-	767+77	LT/RT	76.6	28	DRILL TIE BARS INTO B-22-227 WINGS
769+24	-	769+40	LT/RT	76.6	28	DRILL TIE BARS INTO B-22-227 WINGS
			PROJECT TOTALS	153.2	56	

FINISHING ROADWAY

PROJECT ID	213.0100 FINISHING ROADWAY EACH
5225-05-70	1
PROJECT TOTAL	1

BASE AGGREGATE & HMA PAVEMENT

STATION - STATION		LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	305.0120 BASE AGGREGATE DENSE 1-1/4-INCH (TON)	460.5223 HMA PAVEMENT 3 LT 58-28 S (TON)	460.5224 HMA PAVEMENT 4 LT 58-28 S (TON)	455.0605 TACK COAT (GAL)	460.0105.S TEST STRIP VOLUMETRICS (EACH)	460.0110.S TEST STRIP DENSITY (EACH)	624.0100 WATER (MGAL)	LOCATION
198+50 -	216+25	LT/RT	395	4,371	924	739	330	--	--	71	STH 81
216+25 -	240+92	LT/RT	549	5,606	1,181	945	422	--	--	92	STH 81
240+92 -	269+00	LT/RT	625	7,123	1,494	1,195	534	--	--	116	STH 81
269+00 -	306+47	LT/RT	833	8,535	1,799	1,439	642	--	--	141	STH 81
306+47 -	328+77	LT/RT	496	5,592	1,171	936	418	--	--	91	STH 81
328+77 -	354+23	LT/RT	566	7,620	1,633	1,306	583	--	--	123	STH 81
354+23 -	381+78	LT/RT	613	7,396	1,607	1,286	574	--	--	120	STH 81
381+78 -	405+58	LT/RT	529	7,181	1,552	1,241	554	--	--	116	STH 81
405+58 -	416+93	LT/RT	252	4,255	903	722	322	--	--	68	STH 81
419+97 -	433+33	LT/RT	297	4,135	902	722	322	--	--	66	STH 81
433+33 -	452+31	LT/RT	422	5,484	1,117	894	399	--	--	89	STH 81
452+31 -	467+98	LT/RT	349	4,400	938	750	335	--	--	71	STH 81
467+98 -	495+79	LT/RT	619	7,761	1,678	1,343	599	--	--	126	STH 81
495+79 -	547+63	LT/RT	1,153	12,912	2,687	2,150	960	--	--	211	STH 81
547+63 -	576+70	LT/RT	647	6,860	1,429	1,143	510	--	--	113	STH 81
576+70 -	606+35	LT/RT	660	7,050	1,509	1,207	539	--	--	116	STH 81
606+35 -	644+38	LT/RT	846	9,468	1,978	1,583	707	--	--	155	STH 81
644+38 -	675+12	LT/RT	684	7,858	1,672	1,338	597	--	--	128	STH 81
675+12 -	712+39	LT/RT	829	8,752	1,835	1,468	655	--	--	144	STH 81
712+39 -	746+20	LT/RT	752	7,914	1,648	1,319	589	--	--	130	STH 81
746+20 -	757+13	LT/RT	243	3,800	775	620	277	--	--	61	STH 81
757+13 -	767+76	LT/RT	236	3,339	700	560	250	--	--	54	STH 81
769+23 -	776+58	LT/RT	163	2,157	440	352	157	--	--	35	STH 81
776+58 -	790+13	LT/RT	301	4,188	819	655	293	--	--	67	STH 81
790+13 -	801+30	LT/RT	248	3,358	680	544	243	--	--	54	STH 81
801+30 -	807+49	LT/RT	138	1,679	340	272	122	--	--	27	STH 81
DRIVEWAYS		LT/RT	3,500	--	--	100	--	--	--	53	STH 81
SAFETY EDGE		LT/RT	--	--	--	1,190	--	--	--	--	STH 81
RELIEF TRENCHES		LT/RT	--	738	--	--	--	--	--	11	STH 81
PROJECT LIMITS		TEST STRIP	--	--	--	--	--	--	2	--	ONE PER MAT OF HMA
PROJECT LIMITS		TEST STRIP	--	--	--	--	--	2	--	--	ONE PER HMA MIX TYPE
PROJECT TOTALS			16,946	159,532	33,414	28,021	11,933	2	2	2,647	

PWL MIXTURE USE TABLE

LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED FOR:	
							MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
12 FOOT DRIVING LANE	198+50 - 807+49	UPPER LAYER	3 LT 58-28 S	4 LT 58-28 S	18,069	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
12 FOOT DRIVING LANE	198+50 - 807+49	LOWER LAYER	BASE AGGREGATE	3 LT 58-28 S	22,586	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
10 FOOT PASSING LANE	344+93 - 409+60 445+60 - 476+00	UPPER LAYER	3 LT 58-28 S	4 LT 58-28 S	1,184	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
10 FOOT PASSING LANE	344+93 - 409+60 445+60 - 476+00	LOWER LAYER	BASE AGGREGATE	3 LT 58-28 S	1,480	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
SHOULDERS	198+50 - 807+49	UPPER LAYER	3 LT 58-28 S	4 LT 58-28 S	5,704	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
SHOULDERS	198+50 - 807+49	LOWER LAYER	BASE AGGREGATE	3 LT 58-28 S	5,642	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
SIDE ROADS / INTERSECTIONS	198+50 - 807+49	UPPER LAYER	3 LT 58-28 S	4 LT 58-28 S	3,064	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
SIDE ROADS / INTERSECTIONS	198+50 - 807+49	LOWER LAYER	BASE AGGREGATE	3 LT 58-28 S	3,706	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE

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CONCRETE CURB & GUTTER

STATION	-	STATION	LOCATION	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D LF
252+68	-	253+08	LT	69
253+12	-	253+91	RT	149
253+29	-	253+97	LT	94
254+09	-	254+48	RT	70
336+70	-	337+23	RT	86
337+59	-	338+18	RT	76
338+51	-	344+10	LT	602
344+51	-	344+93	LT	55
400+32	-	400+83	RT	57
406+45	-	411+33	RT	491
419+94	-	420+06	RT	13
419+94	-	420+09	LT	16
424+40	-	424+78	LT	62
425+10	-	425+68	LT	80
436+47	-	436+65	RT	79
437+33	-	459+25	RT	2,200
479+07	-	479+21	RT	62
479+75	-	484+51	RT	490
517+22	-	517+73	LT	60
518+50	-	518+70	LT	66
579+68	-	579+68	LT	58
580+51	-	581+04	LT	61
612+41	-	612+76	LT	64
612+55	-	613+34	RT	106
612+95	-	613+63	LT	90
613+49	-	613+80	RT	52
633+73	-	643+26	LT	954
635+73	-	643+26	RT	753
669+48	-	669+91	LT	67
670+12	-	670+75	LT	87
671+47	-	672+01	RT	59
672+90	-	673+03	RT	61
745+75	-	751+24	RT	542
747+52	-	747+94	LT	105
748+50	-	749+50	LT	114
756+49	-	758+66	RT	226
763+36	-	763+96	RT	97
764+24	-	764+64	RT	67
778+24	-	789+49	LT	1,157
778+26	-	778+38	LT	67
796+08	-	796+35	RT	80
797+12	-	797+58	RT	50
		PROJECT TOTALS		9,794

MAINTENANCE AND REPAIR OF HAUL ROADS

PROJECT ID	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS EACH
5225-05-70	1
PROJECT TOTAL	1

SALVAGED TOPSOIL, MULCHING, FERTILIZER, SEEDING, & TEMPORARY SEEDING

STATION	-	STATION	625.0500 SALVAGED TOPSOIL (SY)	627.0200 MULCHING (SY)	629.0205 FERTILIZER TYPE A (CWT)	630.0120 SEEDING MIXTURE NO. 20 (LB)	630.0171 SEEDING MIXTURE NO. 70A (LB)	630.0200 SEEDING TEMPORARY (LB)	630.0400 SEEDING NURSE CROP (LB)	SPV.0180.01 WEED FREE MULCH (SY)
186+55	-	416+93	7,811	7,168	5	211	0	22	0	0
419+97	-	745+00	20,422	18,333	13	551	0	55	0	0
745+00	-	767+77	2,133	0	1	0	14	0	15	2,106
769+23	-	807+50	3,851	0	2	0	14	0	28	3,761
		UNDISTRIBUTED	8,554	6,375	5	191	7	19	11	1,467
		PROJECT TOTALS	42,772	31,877	27	953	35	96	54	7,334

RIPRAP

STATION	LOCATION	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	NOTES:
C-22-39	STA 564+10, RT	19	28	SEE CONSTRUCTION DETAIL. INSTALL 2' DEEP.
C-22-1421	STA 735+40, RT	60	92	SEE CONSTRUCTION DETAIL. INSTALL 2' DEEP.
	PROJECT TOTALS	79	120	

EROSION CONTROL ITEMS

STATION	- STATION	LOCATION	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)	628.2002 EROSION MAT CLASS I TYPE A (SY)	628.2023 EROSION MAT CLASS II TYPE B (SY)	628.7020 INLET PROTECTION TYPE D (EACH)	628.7504 TEMPORARY DITCH CHECKS (LF)	628.7555 CULVERT PIPE CHECKS (EACH)	628.1905 MOBILIZATIONS EROSION CONTROL (EACH)	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)
186+49.85	- 199+00	LT	--	--	--	--	--	57	0	--	--
186+49.85	- 199+00	RT	--	--	--	--	--	45	3	--	--
199+00	- 229+50	LT	--	--	--	--	--	90	7	--	--
199+00	- 229+50	RT	631	631	17	--	--	22	4	--	--
229+50	- 260+00	LT	268	268	--	--	--	--	8	--	--
229+50	- 260+00	RT	860	860	--	117	--	79	4	--	--
260+00	- 290+00	LT	--	--	--	--	--	--	7	--	--
260+00	- 290+00	RT	--	--	--	--	--	--	6	--	--
290+00	- 320+00	LT	539	539	18	--	--	--	10	--	--
290+00	- 320+00	RT	1213	1213	63	--	--	29	0	--	--
320+00	- 350+00	LT	1080	1080	--	35	1	152	6	--	--
320+00	- 350+00	RT	682	682	--	296	--	107	16	--	--
350+00	- 380+00	LT	--	--	--	--	--	--	7	--	--
350+00	- 380+00	RT	--	--	--	--	--	--	2	--	--
380+00	- 410+00	LT	1360	1360	--	80	--	22	5	--	--
380+00	- 410+00	RT	886	886	--	17	1	292	2	--	--
410+00	- 440+00	LT	1652	1652	33	--	1	122	3	--	--
410+00	- 440+00	RT	1878	1878	596	95	2	93	2	--	--
440+00	- 470+00	LT	--	--	--	--	5	81	5	--	--
440+00	- 470+00	RT	1979	1979	--	--	--	--	0	--	--
470+00	- 500+00	LT	--	--	--	--	--	180	10	--	--
470+00	- 500+00	RT	691	691	--	111	--	123	4	--	--
500+00	- 530+00	LT	--	--	--	--	--		7	--	--
500+00	- 530+00	RT	572	572	94	--	--	53	4	--	--
530+00	- 560+00	LT	300	300	53	--	--	117	16	--	--
530+00	- 560+00	RT	841	841	64	--	--	31	2	--	--
560+00	- 590+00	LT	557	557	68	--	--	29	5	--	--
560+00	- 590+00	RT	603	603	37	--	--	212	12	--	--
590+00	- 620+00	LT	--	--	--	--	--	0	7	--	--
590+00	- 620+00	RT	--	--	--	--	--	--	4	--	--
620+00	- 650+00	LT	0	0	183	--	--	64	7	--	--
620+00	- 650+00	RT	258	258	--	--	--	41	3	--	--
650+00	- 680+00	LT	446	446	--	--	--	80	3	--	--
650+00	- 680+00	RT	1147	1147	70	--	--	152	10	--	--
680+00	- 710+00	LT	0	0	21	--	--	18	37	--	--
680+00	- 710+00	RT	993	993	--	300	--	12	10	--	--
710+00	- 740+00	LT	571	571	158	--	--	55	12	--	--
710+00	- 740+00	RT	648	648	206	--	--	113	0	--	--
740+00	- 770+00	LT	371	371	--	--	--	28	11	--	--
740+00	- 770+00	RT	141	141	--	27	--	89	5	--	--
770+00	- 800+00	LT	318	318	53	--	1	100	12	--	--
770+00	- 800+00	RT	1203	1203	37	--	--	175	13	--	--
800+00	- 807+50	LT	327	327	--	--	--	62	6	--	--
800+00	- 807+50	RT	240	240	--	--	--	--	6	--	--
		UNDISTRIBUTED	5745	5745	429	272	4	725	77	12	8
		PROJECT TOTALS	29,000	29,000	2,200	1,350	15	3,650	380	12	8

MGS GUARDRAIL AND TERMINALS

STATION	-	STATION	LOCATION	614.0200 STEEL THRIE BEAM STRUCTURE APPROACH (LF)	614.0305 STEEL PLATE BEAM GUARD CLASS A (LF)	614.0370 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL (EACH)	614.2300 MGS GUARDRAIL 3 (LF)	614.2330 MGS GUARDRAIL 3 K (LF)	614.2350 MGS GUARDRAIL SHORT RADIUS (LF)	614.2500 MGS THRIE BEAM TRANSITION (LF)	614.2610 MGS GUARDRAIL TERMINAL EAT (EACH)	614.2630 MGS GUARDRAIL SHORT RADIUS TERMINAL (EACH)
204+71	-	210+15	RT.	--	--	--	437.5	--	--	--	2	--
238+70	-	244+42	RT.	--	--	--	462.5	--	--	--	2	--
299+20	-	310+76	RT.	--	--	--	1,050.0	--	--	--	2	--
308+48	-	312+29	LT.	--	--	--	275.0	--	--	--	2	--
321+18	-	324+72	RT.	--	--	--	250.0	--	--	--	2	--
321+83	-	326+30	LT.	--	--	--	337.5	--	--	--	2	--
331+71	-	336+27	RT.	--	--	--	350.0	--	--	--	2	--
331+72	-	333+51	LT.	--	--	--	125.0	--	--	--	1	--
333+51	-	336+01	LT.	--	--	--	--	250.0	--	--	--	--
336+01	-	337+28	LT.	--	--	--	75.0	--	--	--	1	--
381+49	-	382+89	LT.	--	--	--	87.5	--	--	--	1	--
382+89	-	390+11	LT.	--	--	--	--	725.0	--	--	--	--
390+11	-	394+76	LT.	--	--	--	412.5	--	--	--	1	--
392+71	-	399+52	RT.	--	--	--	575.0	--	--	--	2	--
406+31	-	416+98	RT.	--	--	--	975.0	--	--	39.4	1	--
410+07	-	416+98	LT.	--	--	--	600.0	--	--	39.4	1	--
419+91	-	421+37	RT.	20.6	125.0	1	--	--	--	--	--	--
419+91	-	422+62	LT.	20.6	250.0	1	--	--	--	--	--	--
433+55	-	436+47	RT.	--	--	--	187.5	--	--	--	2	--
433+93	-	437+77	LT.	--	--	--	275.0	--	--	--	2	--
438+83	-	459+69	RT.	--	--	--	1,975.0	--	--	--	2	--
484+72	-	486+23	RT.	--	--	--	100.0	--	--	--	1	--
486+23	-	487+23	RT.	--	--	--	--	100.0	--	--	--	
487+23		488+76	RT.	--	--	--	100.0	--	--	--	1	
518+41	-	521+97	RT.	--	--	--	250.0	--	--	--	2	--
529+60	-	533+29	LT.	--	--	--	262.5	--	--	--	2	--
529+71	-	533+02	RT.	--	--	--	225.0	--	--	--	2	--
535+70	-	538+77	RT.	--	--	--	200.0	--	--	--	2	--
536+60	-	539+29	LT.	--	--	--	162.5	--	--	--	2	--
542+71	-	546+27	RT.	--	--	--	250.0	--	--	--	2	--
543+73	-	547+29	LT.	--	--	--	250.0	--	--	--	2	--
559+71	-	566+15	RT.	--	--	--	537.5	--	--	--	2	--
563+52	-	568+33	LT.	--	--	--	375.0	--	--	--	2	--
652+22	-	658+00	RT.	--	--	--	475.0	--	--	--	2	--
653+23	-	657+82	LT.	--	--	--	350.0	--	--	--	2	--
680+21	-	686+28	RT.	--	--	--	500.0	--	--	--	2	--
680+48	-	686+28	LT.	--	--	--	475.0	--	--	--	2	--
733+37	-	737+05	LT.	--	--	--	262.5	--	--	--	2	--
733+72	-	737+41	RT.	--	--	--	262.5	--	--	--	2	--
764+43	-	767+61	LT.	--	--	--	225.0	--	--	39.4	1	--
765+94	-	767+60	RT.	--	--	--	125.0	--	--	39.4	1	--
769+39	-	772+32	LT.	--	--	--	259.8	--	32.0	39.4	--	1
769+41	-	771+71	RT.	--	--	--	137.5	--	--	39.4	1	--
PROJECT TOTALS				41.2	375.0	2	14,234.8	1,075.0	32.0	236.4	63	1

MOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

STATION	LOCATION	638.2102 MOVING SIGNS TYPE II (EACH)	638.4000 MOVING SMALL SIGN SUPPORTS (EACH)	DESCRIPTION
199+10	RT	1	2	PLATTEVILLE MILEAGE
199+80	LT	1	2	STH 61 / 35 / 81 NORTH J-ASSEMBLY
201+80	LT	1	1	JCT 35 / 61
207+90	RT	1	1	NO PASSING
226+90	LT	1	1	NO PASSING
253+10	RT	1	1	NO PASSING
10+50 'KR'	LT	1	1	STOP
10+40 'AUP'	LT	1	1	STOP
10+40 'AUP'	RT	1	1	DEAD END
255+50	RT	2	1	CENTERLINE RUBMLE STRIPS / NEXT 10 MILES
258+80	LT	1	1	NO PASSING
284+50	RT	1	1	NO PASSING
284+80	LT	1	1	NO PASSING
300+80	LT	1	1	ADOPT A HIGHWAY
300+80	RT	1	1	ADOPT A HIGHWAY
304+30	RT	1	1	NO PASSING
307+80	LT	1	1	NO PASSING
336+50	RT	1	1	ONCOMING TRAFFIC USES CENTER LANE
10+40 'BAL'	LT	1	1	STOP
10+75 'BAL'	RT	1	1	DEAD END
10+75 'BLR'	LT	1	1	STOP
349+20	LT	1	1	LANE DROP
349+20	RT	1	1	LANE DROP
353+70	LT	1	1	RIGHT LANE ENDS
393+75	RT	1	1	ELLENBORO DIRECTIONAL
378+00	LT	1	1	ADOPT A HIGHWAY
378+75	LT	1	1	STH 81 WEST J-ASSEMBLY
10+50 'VVD'	LT	1	1	STOP
399+50	RT	1	1	SCHOOL BUS DROP-OFF
399+50	RT	1	1	ADOPT A HIGHWAY
11+25 'EBW'	LT	1	1	STOP
	SUBTOTAL	32	33	

MOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS (CONT.)

STATION	LOCATION	638.2102 MOVING SIGNS TYPE II (EACH)	638.4000 MOVING SMALL SIGN SUPPORTS (EACH)	DESCRIPTION
402+50	RT	1	1	ONCOMING TRAFFIC USES CENTER LANE
416+95	RT	1	1	PLATTE RIVER
420+00	LT	1	1	PLATTE RIVER / NO PASSING ZONE
421+50	RT	1	1	NO PASSING
422+50	LT	1	1	SLOWER TRAFFIC KEEP RIGHT
10+50 'WBR'	LT	1	1	STOP
433+75	RT	1	1	SLOWER TRAFFIC KEEP RIGHT
10+25 'WBR'	LT	1	1	STOP
438+10	RT	1	1	EAST 81
442+75	LT	1	2	ELLENBORO DIRECTIONAL
470+50	RT	1	1	RIGHT LANE ENDS
475+10	LT	1	1	LANE DROP
475+10	RT	1	1	LANE DROP
478+70	RT	1	1	ADOPT A HIGHWAY
478+90	LT	1	1	ADOPT A HIGHWAY
480+00	RT	1	1	STOP
483+10	LT	1	1	STEEP GRADE / 7% GRADE
485+10	LT	1	1	ONCOMING TRAFFIC USES CENTER LANE
495+10	RT	1	1	NO PASSING
515+95	LT	3	1	CENTERLINE RUBMLE STRIPS / NEXT 5 MILES / NO PASSING
10+25 'JBW'	LT	1	1	STOP
534+95	RT	2	1	CENTERLINE RUBMLE STRIPS / NEXT 5 MILES
535+25	RT	1	1	NO PASSING
565+10	LT	1	1	NO PASSING
578+75	LT	1	1	ADOPT A HIGHWAY
578+80	RT	1	1	ADOPT A HIGHWAY
10+75 'JBW'	LT	1	1	STOP
605+50	LT	1	1	NO PASSING
607+80	RT	1	1	NO PASSING
10+60 'BUN'	LT	1	1	STOP
10+60 'WR'	LT	1	1	STOP
625+50	LT	1	1	NO PASSING
678+60	RT	1	1	NO PASSING
630+40	RT	2	1	STEEP GRADE / 7% GRADE
10+50 'BR'	LT	1	1	STOP
671+25	RT	1	1	ADOPT A HIGHWAY
671+90	LT	1	1	ADOPT A HIGHWAY
10+50 'OLW'	LT	1	1	STOP
10+50 'OLW'	RT	2	1	ROAD CURVE / 35 MPH ADVISORY
10+75 'OLW'	RT	2	1	SPEED LIMIT 45 MPH
699+00	LT	1	1	SCHOOL BUS DROP-OFF
706+20	LT	1	1	NO PASSING
706+20	RT	1	1	NO PASSING
	SUBTOTAL	49	44	

MOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS (CONT.)

STATION	LOCATION	638.2102 MOVING SIGNS TYPE II (EACH)	638.4000 MOVING SMALL SIGN SUPPORTS (EACH)	DESCRIPTION
716+00	LT	1	1	SCHOOL BUS DROP-OFF
732+00	LT	1	1	NO PASSING
732+60	RT	1	1	NO PASSING
738+00	RT	1	1	JCT CTH D
746+75	LT	1	1	WEST STH 81
747+50	RT	1	1	CTH D LEFT
748+25	RT	1	1	DOUBLE ARROW
10+80 'D'	RT	1	1	STOP
10+80 'D'	RT	1	1	STH 81 DIRECTIONAL
749+20	LT	1	1	CTH D RIGHT
749+20	RT	1	1	SCHOOL BUS DROP-OFF
750+10	LT	1	1	ADOPT A HIGHWAY
750+10	RT	1	1	ADOPT A HIGHWAY
751+00	RT	1	1	EAST 81
756+00	LT	1	1	CURVE
759+50	LT	1	1	JCT CTH D
10+50 'RVL'	LT	1	1	STOP
765+75	RT	1	1	NO PASSING
767+77	RT	1	1	LITTLE PLATTE RIVER
769+23	LT	1	1	LITTLE PLATTE RIVER
10+75 'QR'	LT	1	1	STOP
784+00	LT	1	1	NO PASSING
791+00	RT	1	1	SPEED LIMIT 45 MPH REDUCTION AHEAD
793+40	RT	1	1	PLATTEVILLE POPULATION
794+10	LT	1	1	STOP FOR SCHOOL BUS FLASHING RED LIGHTS
794+50	RT	1	1	CITY SIRENS
795+50	LT	2	1	CENTERLINE RUMBLE STRIPS / NEXT 10 MILES
10+25 'OLE'	LT	1	1	STOP
798+00	LT	1	1	SPEED LIMIT 55 MPH
798+00	RT	1	1	SPEED LIMIT 40 MPH
800+90	LT	1	2	LANCASTER 15 MPH
800+90	RT	1	1	NO ENGINE BRAKING EXCEPT IN EMERGENCY
802+30	LT	1	1	WEST STH 81
804+00	LT	1	1	NO PASSING
	SUBTOTAL	35	35	
	PROJECT TOTALS	116	112	

NOTES:
ALL SIGNS WILL BE TEMPORARILY STORED AND PLACED IN SAME LOCATION AFTER GRADING IS COMPLETE
ALL SIGNS LOCATIONS LISTED ABOVE ARE APPROXIMATE. USE STANDARD DETAIL DRAWINGS FOR FINAL PLACEMENT

LOCATING NO-PASSING ZONES

STATION	-	STATION	648.0100 LOCATING NO-PASSING ZONES (MI)	COMMENTS
198+50	-	807+50	11.5	PROJECT LIMITS
		PROJECT TOTALS	11.5	

3

TRAFFIC CONTROL - DRUMS, BARRICADES, WARNING LIGHTS, ARROW BOARDS, AND SIGNS

ROADWAY	DAYS IN SERVICE	643.0300 TRAFFIC CONTROL DRUMS NO.	(DAYS)	643.0420 TRAFFIC CONTROL BARRICADES TYPE III NO.	(DAYS)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A NO.	(DAYS)	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C NO.	(DAYS)	643.0900 TRAFFIC CONTROL SIGNS NO.	(DAYS)	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II (EACH)	643.1050 TRAFFIC CONTROL SIGNS PCMS NO.	(DAYS)	COMMENTS
DETOUR	207	0	0	188	38,916	376	77,832	0	0	376	77,832	21	2	20	DETOUR SIGNING, 1 CYLCES, PCMS PRE-WARN
B-22-228 STAGING	4	33	132	2	8	4	16	0	0	8	32	--	--	--	B-22-228 POLYMER OVERLAY
B-22-227 STAGING	8	29	232	1	8	2	16	16	128	18	144	--	2	20	B-22-227 APPROACH SLABS, PCMS PRE-WARN
PROJECT TOTALS			364		38,932		77,864		128		78,008	21		40	

CONSTRUCTION STAKING

STATION	-	STATION	621.0100 LANDMARK REFERENCE MONUMENTS (EACH)	650.4500 CONSTRUCTION STAKING SUBGRADE (LF)	650.5000 CONSTRUCTION STAKING BASE (LF)	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER (LF)	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (LS)	650.9920 CONSTRUCTION STAKING SLOPE STAKES (LF)	SPV.0060.01 VERIFY LANDMARK REFERENCE MONUMENTS (EACH)	NOTES:
198+50	-	807+50	--	60,455	60,455	9,794	1	60,455	--	
504+56		21' LT	1	--	--	--	--	--	4	E 1/4 Corner, Section 34, T4N, R2W, Ellenboro Township
557+54		19' LT	1	--	--	--	--	--	4	E 1/4 Corner, Section 35, T4N, R2W, Ellenboro Township
SIDE ROADS			--	3,526	3,526	--	--	3,526	--	
		PROJECT TOTALS	2	63,981	63,981	9,794	1	63,981	8	

PAVEMENT MARKING

STATION	-	STATION	646.1020 MARKING LINE EPOXY 4-INCH YELLOW (LF)	646.1020 MARKING LINE EPOXY 4-INCH WHITE (LF)	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH WHITE (LF)	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH WHITE (LF)	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW (LF)	COMMENTS
198+50.00	-	201+25.00	1,094	--	--	--	32	BEGIN PROJECT TO KINGSFORD
201+25.00	-	207+90.00	831	--	--	--	--	BEGIN PROJECT TO KINGSFORD
198+50.00	-	252+68.19	--	--	5418	--	--	BEGIN PROJECT TO KINGSFORD
198+50.00	-	252+22.93	--	--	5373	--	--	BEGIN PROJECT TO KINGSFORD
207+90.00	-	227+90.00	500	--	--	--	--	BEGIN PROJECT TO KINGSFORD
227+90.00	-	252+68.19	3098	--	--	--	--	BEGIN PROJECT TO KINGSFORD
252+22.93	-	253+05.04	--	--	21	--	--	BEGIN PROJECT TO KINGSFORD
252+68.19	-	259+90.00	180	--	--	--	--	MAINLINE FROM KINGSFORD TO BLUFF
253+96.87	-	254+83.02	--	--	22	--	--	MAINLINE FROM KINGSFORD TO BLUFF
254+83.02	-	343+87.20	--	--	8904	--	--	MAINLINE FROM KINGSFORD TO BLUFF
254+48.05	-	335+87.67	--	--	8140	--	--	MAINLINE FROM KINGSFORD TO BLUFF
259+90.00	-	270+15.00	1281	--	--	--	--	MAINLINE FROM KINGSFORD TO BLUFF
270+15.00	-	273+50.00	670	--	--	--	--	MAINLINE FROM KINGSFORD TO BLUFF
273+50.00	-	284+50.00	5500	--	--	--	--	MAINLINE FROM KINGSFORD TO BLUFF
284+50.00	-	293+60.00	4550	--	--	--	--	MAINLINE FROM KINGSFORD TO BLUFF
293+60.00	-	296+00.00	60	--	--	--	--	MAINLINE FROM KINGSFORD TO BLUFF
296+00.00	-	304+50.00	1063	--	--	--	--	MAINLINE FROM KINGSFORD TO BLUFF
304+50.00	-	308+25.00	94	--	--	--	--	MAINLINE FROM KINGSFORD TO BLUFF
308+25.00	-	319+30.00	1381	--	--	--	--	MAINLINE FROM KINGSFORD TO BLUFF
319+30.00	-	402+50.00	16640	--	--	--	--	MAINLINE FROM KINGSFORD TO BLUFF
335+87.67	-	336+77.79	--	--	23	--	--	MAINLINE FROM KINGSFORD TO BLUFF
338+17.75	-	399+55.25	--	--	6138	--	--	MAINLINE FROM BLUFF TO VALLEY VIEW
344+93.41	-	345+79.94	--	--	22	--	--	MAINLINE FROM BLUFF TO VALLEY VIEW
345+79.94	-	399+00.88	--	--	5321	--	--	MAINLINE FROM BLUFF TO VALLEY VIEW
347+34.40	-	409+60.22	--	--	1556	--	--	MAINLINE FROM BLUFF TO VALLEY VIEW
402+50.00	-	420+00.00	2188	--	--	--	--	MAINLINE FROM BLUFF TO VALLEY VIEW
		SUBTOTALS	39,130	0	40,936	0	32	

PAVEMENT MARKING (CONT.)

STATION	-	STATION	646.1020 MARKING LINE EPOXY 4-INCH YELLOW (LF)	646.1020 MARKING LINE EPOXY 4-INCH YELLOW (LF)	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH WHITE (LF)	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH WHITE (LF)	646.7120 MARKING DIAGONAL EPOXY 12-INCH WHITE (LF)	COMMENTS
399+55.25	-	400+30.76	--	--	19	--	--	MAINLINE FROM BLUFF TO VALLEY VIEW
399+83.88	-	424+39.89	--	--	2184	--	--	MAINLINE FROM BLUFF TO VALLEY VIEW
401+46.24	-	435+58.16	--	--	3262	--	--	MAINLINE FROM VALLEYVIEW TO ELLENBORO
409+60.22	-	416+80.22	--	--	180	--	--	MAINLINE FROM VALLEYVIEW TO ELLENBORO
417+08.91	-	419+81.33	--	545	--	--	--	B-22-228 LIMITS
420+00.00	-	421+50.00	300	--	--	--	--	MAINLINE FROM VALLEYVIEW TO ELLENBORO
421+50.00	-	430+90.00	1175	--	--	--	--	MAINLINE FROM VALLEYVIEW TO ELLENBORO
425+67.69	-	426+57.36	--	--	22	--	--	MAINLINE FROM VALLEYVIEW TO ELLENBORO
426+57.36	-	517+22.01	--	--	9065	--	--	MAINLINE FROM ELLENBORO TO JENTZ BAKER
430+90.00	-	488+59.50	11539	--	--	--	--	MAINLINE FROM ELLENBORO TO JENTZ BAKER
435+58.16	-	436+46.90	--	--	22	--	--	MAINLINE FROM ELLENBORO TO JENTZ BAKER
437+84.73	-	478+70.50	--	--	4086	--	--	MAINLINE FROM ELLENBORO TO JENTZ BAKER
439+44.73	-	445+60.00	--	--	154	--	--	MAINLINE FROM ELLENBORO TO JENTZ BAKER
445+60.00	-	475+99.63	--	--	760	--	--	MAINLINE FROM ELLENBORO TO JENTZ BAKER
478+70.50	-	479+06.42	--	--	9	--	--	MAINLINE FROM ELLENBORO TO JENTZ BAKER
480+27.80	-	611+65.78	--	--	13138	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
488+59.50	-	495+14.50	819	--	--	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
495+14.50	-	515+89.50	519	--	--	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
518+68.87	-	519+58.63	--	--	22	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
519+58.63	-	579+67.47	--	--	6009	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
515+89.50	-	523+89.50	1000	--	--	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
523+89.50	-	527+14.50	81	--	--	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
527+14.50	-	535+24.50	1013	--	--	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
535+24.50	-	576+99.50	1044	--	--	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
581+03.21	-	581+38.11	--	--	9	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
581+38.11	-	612+40.28	--	--	3102	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
576+99.50	-	592+99.50	3200	--	--	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
592+99.50	-	605+49.50	1563	--	--	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
605+49.50	-	607+79.50	460	--	--	--	--	MAINLINE FROM JENTZ BAKER TO BUNKER RIDGE
607+79.50	-	637+09.50	3663	--	--	--	--	MAINLINE FROM BUNKER RIDGE TO BANNER
613+62.60	-	614+47.32	--	--	21	--	--	MAINLINE FROM BUNKER RIDGE TO BANNER
614+47.32	-	669+47.59	--	--	5500	--	--	MAINLINE FROM BUNKER RIDGE TO BANNER
611+65.78	-	612+54.23	--	--	22	--	--	MAINLINE FROM BUNKER RIDGE TO BANNER
613+79.83	-	670+58.06	--	--	5678	--	--	MAINLINE FROM BUNKER RIDGE TO BANNER
637+09.50	-	695+09.50	11600	--	--	--	--	MAINLINE FROM BUNKER RIDGE TO BANNER
670+74.66	-	671+64.38	--	--	22	--	--	MAINLINE FROM BUNKER RIDGE TO BANNER
671+64.38	-	747+51.81	--	--	7587	--	--	MAINLINE FROM BANNER TO RIVER VALLEY
670+58.06	-	671+46.81	--	--	22	--	--	MAINLINE FROM BANNER TO RIVER VALLEY
673+02.37	-	762+46.06	--	--	8944	--	--	MAINLINE FROM BANNER TO RIVER VALLEY
695+09.50	-	706+09.50	1375	--	--	--	--	MAINLINE FROM BANNER TO RIVER VALLEY
706+09.50	-	718+49.50	1550	--	--	--	--	MAINLINE FROM BANNER TO RIVER VALLEY
718+49.50	-	721+49.50	600	--	--	--	--	MAINLINE FROM BANNER TO RIVER VALLEY
		SUBTOTALS	41,499	545	69,840	0	0	

PAVEMENT MARKING (CONT.)

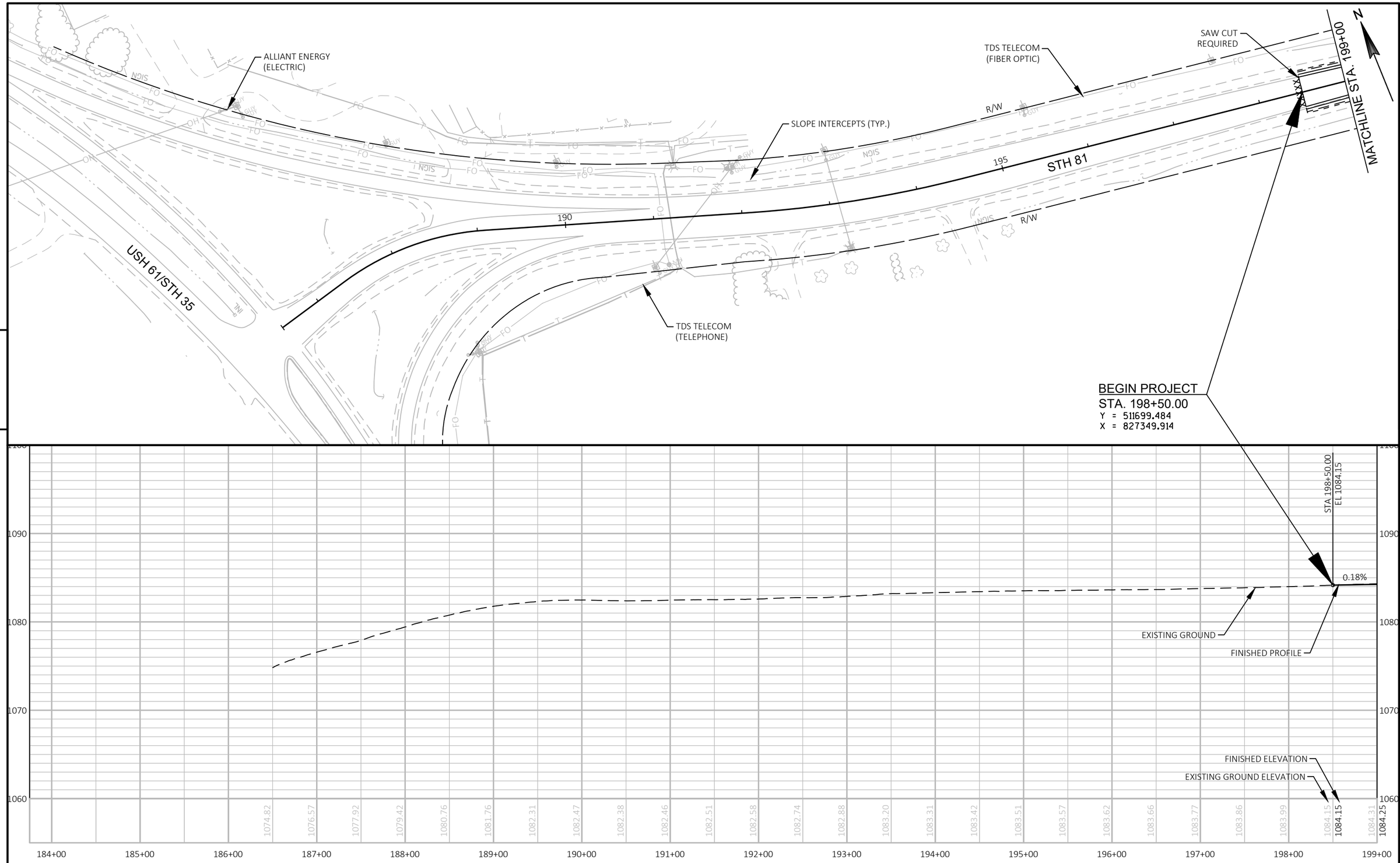
STATION	-	STATION	646.1020 MARKING LINE EPOXY 4-INCH YELLOW (LF)	646.1020 MARKING LINE EPOXY 4-INCH YELLOW (LF)	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH WHITE (LF)	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH WHITE (LF)	646.7120 MARKING DIAGONAL EPOXY 12-INCH WHITE (LF)	COMMENTS
721+49.50	-	731+99.50	1313	--	--	--	--	MAINLINE FROM BANNER TO RIVER VALLEY
731+99.50	-	732+59.50	120	--	--	--	--	MAINLINE FROM BANNER TO RIVER VALLEY
732+59.20	-	747+51.50	1862	--	--	--	--	MAINLINE FROM BANNER TO RIVER VALLEY
10+50'D'	-	11+50'D'	200	--	--	--	--	CTH D
748+91.83	-	778+25.62	--	--	2787	--	--	MAINLINE FROM RIVER VALLEY TO QUARRY
748+91.83	-	752+36.77	--	--	--	345	--	MAINLINE FROM RIVER VALLEY TO QUARRY
747+51.36	-	749+40.36	--	--	47	--	--	MAINLINE FROM RIVER VALLEY TO QUARRY
747+51.50	-	754+97.18	2237	--	--	--	--	MAINLINE FROM RIVER VALLEY TO QUARRY
754+97.18	-	765+79.50	1353	--	--	--	--	MAINLINE FROM RIVER VALLEY TO QUARRY
762+46.06	-	763+35.19	--	--	22	--	--	MAINLINE FROM RIVER VALLEY TO QUARRY
764+63.90	-	767+76.71	--	--	313	--	--	MAINLINE FROM RIVER VALLEY TO QUARRY
769+23.39	-	794+93.11	--	--	2570	--	--	MAINLINE FROM RIVER VALLEY TO QUARRY
765+79.50	-	783+94.50	454	--	--	--	--	MAINLINE FROM RIVER VALLEY TO QUARRY
767+76.71	-	769+23.39	--	293	--	--	--	B-22-227 LIMITS, RETRACE ALL LINES ON B-22-227
779+60.31	-	807+50.00	--	--	2790	--	--	MAINLINE FROM QUARRY TO END PROJECT
783+94.50	-	794+24.50	1288	--	--	--	--	MAINLINE FROM QUARRY TO END PROJECT
794+24.50	-	796+08.94	369	--	--	--	--	MAINLINE FROM QUARRY TO END PROJECT
794+93.11	-	796+07.71	--	--	29	--	--	MAINLINE FROM QUARRY TO END PROJECT
797+57.29	-	807+50.00	--	--	993	--	--	MAINLINE FROM QUARRY TO END PROJECT
796+08.94	-	803+99.50	980	--	--	--	--	MAINLINE FROM QUARRY TO END PROJECT
803+99.50	-	807+50.00	701	--	--	--	--	MAINLINE FROM QUARRY TO END PROJECT
		UNDISTRIBUTED	--	--	--	--	--	
		SUBTOTALS	10,876	293	9,550	345	0	
		PROJECT TOTALS	92,343		120,326	345	32	

SAWING PAVEMENT

STATION	-	STATION	LOCATION	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)	COMMENTS
198+50	-	186+50	LT & RT	41	--	PROJECT LIMITS
204+01	-	204+43	LT	45	--	DRIVEWAY
253+01	-	253+22	LT	22	--	SIDE ROAD
253+97	-	254+20	RT	25	--	SIDE ROAD
281+63	-	282+08	LT	49	--	DRIVEWAY
337+04	-	337+25	RT	20	--	SIDE ROAD
344+02	-	344+24	LT	27	--	SIDE ROAD
350+36	-	350+81	LT	51	--	DRIVEWAY
399+04	-	399+70	LT	67	--	SIDE ROAD
401+40	-	401+48	RT	27	--	SIDE ROAD
409+15	-	409+45	LT	30	--	DRIVEWAY
409+58	-	409+83	LT	25	--	DRIVEWAY
423+25	-	431+25	LT&RT	--	1,600	SHOULDER SLOPE PAVING
424+79	-	425+11	LT	35	--	SIDE ROAD
436+42	-	436+54	RT	24	--	SIDE ROAD
478+94	-	479+02	RT	29	--	SIDE ROAD
503+38	-	503+86	LT	51	--	DRIVEWAY
517+82	-	518+13	RT	33	--	DRIVEWAY
518+65	-	518+76	LT	24	--	SIDE ROAD
578+98	-	579+07	LT	21	--	SIDE ROAD
604+22	-	604+88	RT	66	--	DRIVEWAY
612+65	-	612+86	LT	22	--	SIDE ROAD
613+46	-	613+69	RT	25	--	SIDE ROAD
634+53	-	634+77	LT	24	--	DRIVEWAY
648+84	-	651+09	LT	224	--	DRIVEWAY
669+83	-	670+09	LT	26	--	SIDE ROAD
673+08	-	673+16	RT	21	--	SIDE ROAD
690+18	-	690+80	LT	62	--	DRIVEWAY
690+87	-	691+89	RT	75	--	DRIVEWAY
			SUBTOTAL	1,191	1,600	

SAWING PAVEMENT (CONT.)

STATION	-	STATION	LOCATION	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)	COMMENTS
707+36	-	708+01	LT	71	--	DRIVEWAY
722+25	-	722+73	LT	49	--	DRIVEWAY
747+79	-	748+00	LT	28	--	SIDE ROAD
757+91	-	758+22	RT	32	--	DRIVEWAY
763+99	-	764+25	RT	26	--	SIDE ROAD
764+08	-	764+38	LT	30	--	DRIVEWAY
767+62	-	767+77	LT/RT	--	74	CONCRETE APPROACH SLAB REMOVAL
769+41	-	769+56	LT/RT	--	74	CONCRETE APPROACH SLAB REMOVAL
772+21	-	772+67	LT	48	--	DRIVEWAY
777+87	-	777+96	LT	23	--	SIDE ROAD
791+66	-	791+84	LT	49	--	DRIVEWAY
792+32	-	792+66	RT	34	--	DRIVEWAY
796+10	-	796+28	RT	26	--	SIDE ROAD
796+89	-	797+22	LT	34	--	DRIVEWAY
798+16	-	798+53	RT	37	--	DRIVEWAY
799+04	-	799+30	LT	26	--	DRIVEWAY
799+37	-	799+73	RT	37	--	DRIVEWAY
801+11	-	801+39	RT	28	--	DRIVEWAY
802+65	-	802+88	RT	23	--	DRIVEWAY
804+46	-	804+81	LT	36	--	DRIVEWAY
804+69	-	804+95	RT	26	--	DRIVEWAY
806+26	-	806+69	LT	44	--	DRIVEWAY
807+50	-	807+50	LT & RT	34	--	PROJECT LIMITS
			SUBTOTAL	741	148	
			PROJECT TOTALS	1,932	1,748	



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET E

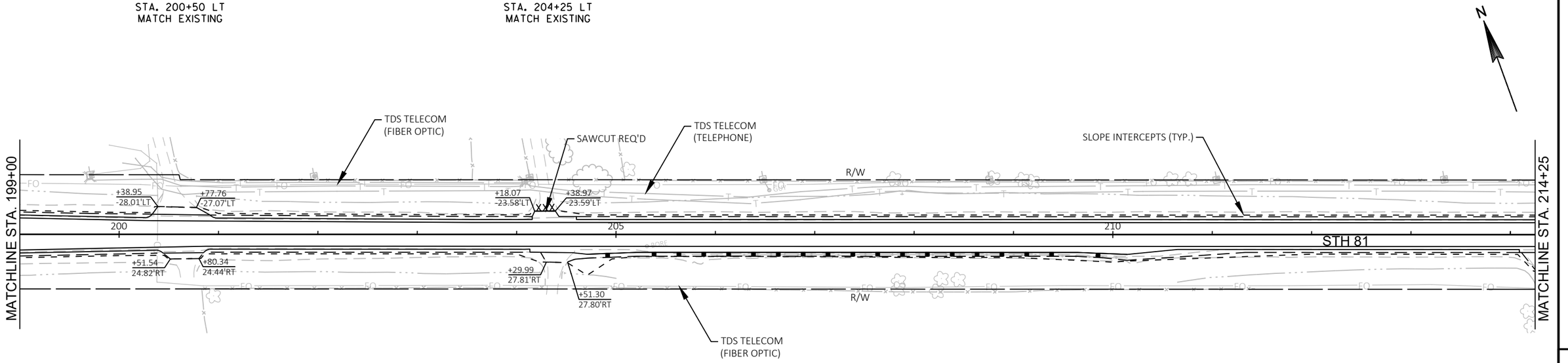
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 01

PLOT DATE : 10/30/2019 11:53 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

CONSTRUCT P.E.
STA. 200+50 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 204+25 LT
MATCH EXISTING



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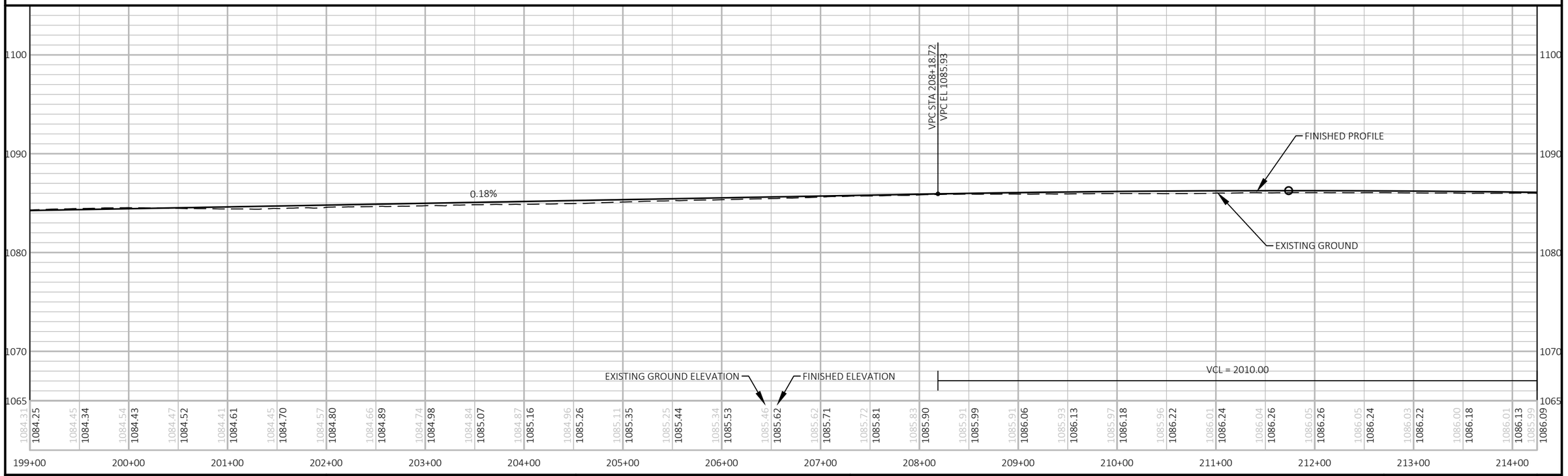
5

CONSTRUCT F.E.
STA. 200+50 RT
MATCH EXISTING

CONSTRUCT F.E.
STA. 204+25 RT
MATCH EXISTING



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 02
PLOT DATE : 10/30/2019 11:54 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE: 1 IN:100 FT

CONSTRUCT F.E.
STA. 220+50 LT
MATCH EXISTING

N

MATCHLINE STA. 214+25

MATCHLINE STA. 229+50

TDS TELECOM
(TELEPHONE)

TDS TELECOM
(FIBER OPTIC)

SLOPE INTERCEPTS (TYP.)

R/W

215

220

225

STH 81

+63.00
36.96'RT

+26.19
36.77'RT

+43.97
33.90'LT

+55.20
33.90'LT

+66.94
24.72'RT

+28.58
23.49'RT

+91.72
23.10'RT

+14.01
23.99'RT

R/W

ALLIANT ENERGY
(ELECTRIC)

TDS TELECOM
(FIBER OPTIC)

5

5

CONSTRUCT F.E.
STA. 214+50 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 220+00 RT
MATCH EXISTING

CONSTRUCT F.E.
STA. 222+00 RT
MATCH EXISTING

VPI STA 218+23.72
VPI EL 1087.78

VPT STA 228+28.72
VPT EL 1079.17

EXISTING GROUND

FINISHED PROFILE

-0.86%

VCL = 2010.00

EXISTING GROUND ELEVATION

FINISHED ELEVATION

1100
1090
1080
1070
1065

214+25	215+00	216+00	217+00	218+00	219+00	220+00	221+00	222+00	223+00	224+00	225+00	226+00	227+00	228+00	229+00	229+50
1085.99	1085.89	1085.80	1085.72	1085.64	1085.52	1085.40	1085.31	1085.14	1084.97	1084.74	1084.55	1084.33	1084.12	1083.86	1083.58	1083.28	1082.99	1082.69	1082.41	1082.11	1081.79	1081.39	1081.02	1080.66	1080.26	1079.86	1079.44	1079.02	1078.60	1078.15
1086.09	1085.98	1085.89	1085.79	1085.67	1085.54	1085.40	1085.24	1085.07	1084.89	1084.70	1084.49	1084.27	1084.04	1083.79	1083.53	1083.26	1082.97	1082.68	1082.37	1082.04	1081.71	1081.36	1080.99	1080.62	1080.23	1079.83	1079.41	1078.99	1078.56	1078.13

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

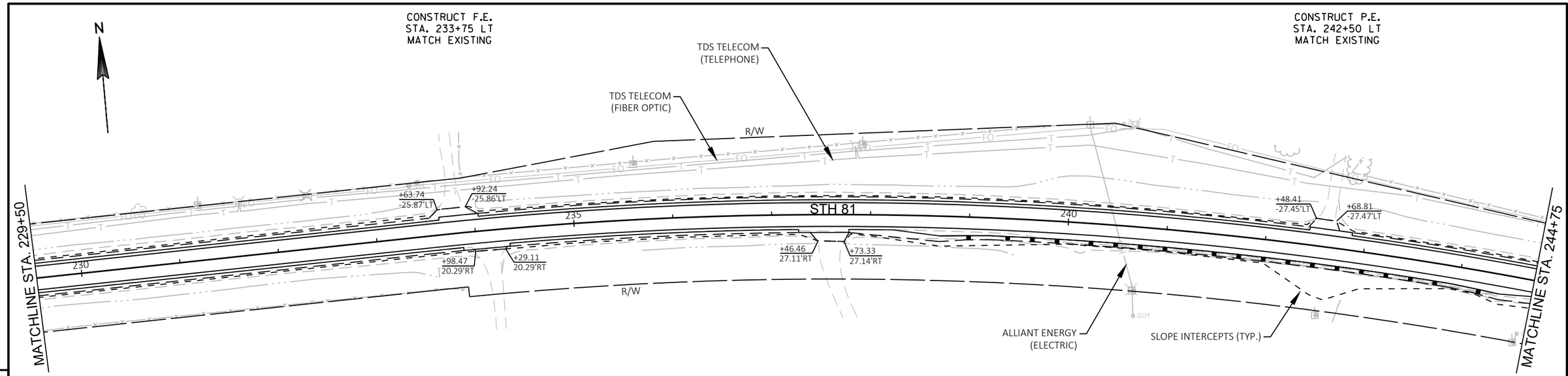
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 03

PLOT DATE : 10/30/2019 11:55 AM

PLOT BY : ARBUCKLE, ADRIAN

PLOT NAME :

PLOT SCALE: 1 IN:100 FT



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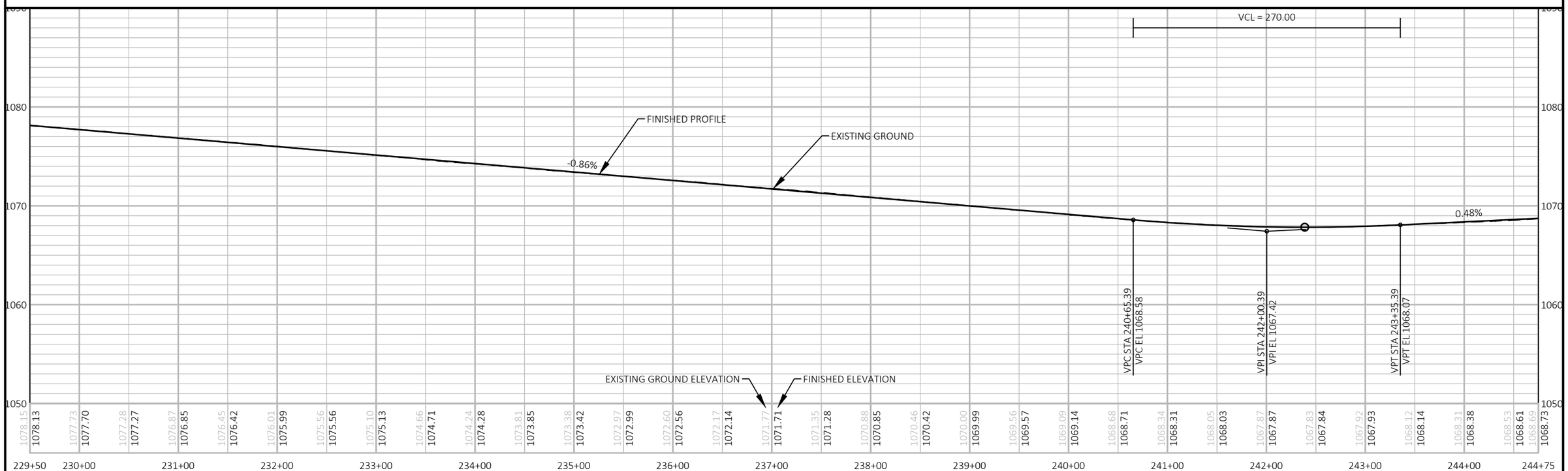
5

CONSTRUCT F.E.
STA. 234+25 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 237+75 RT
MATCH EXISTING



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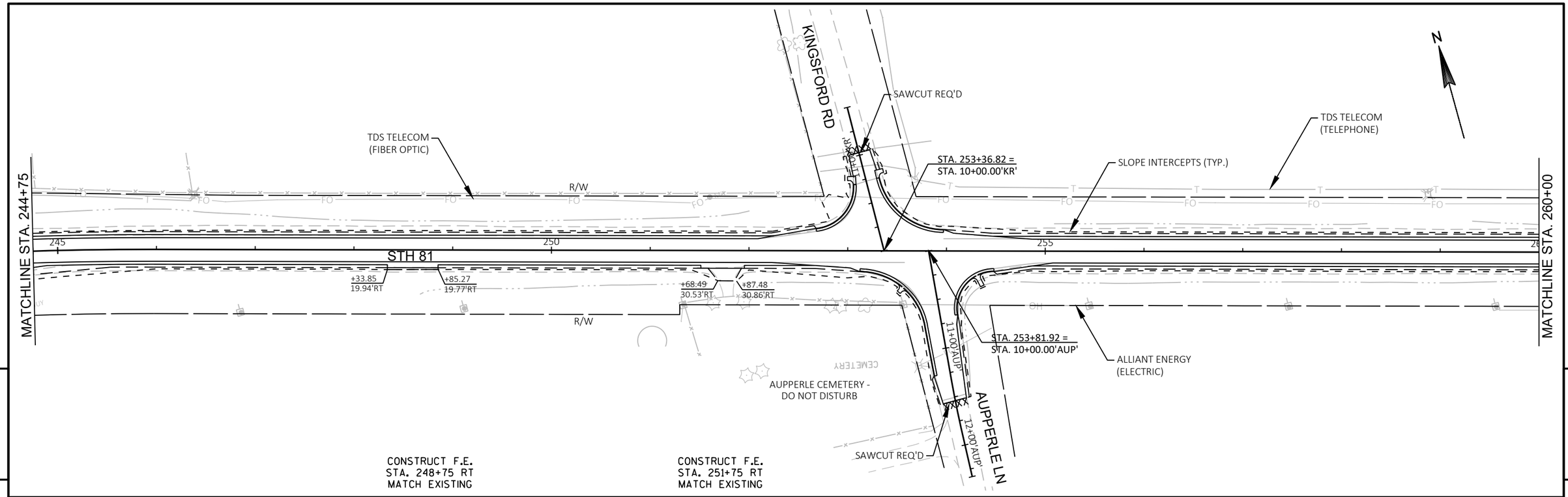
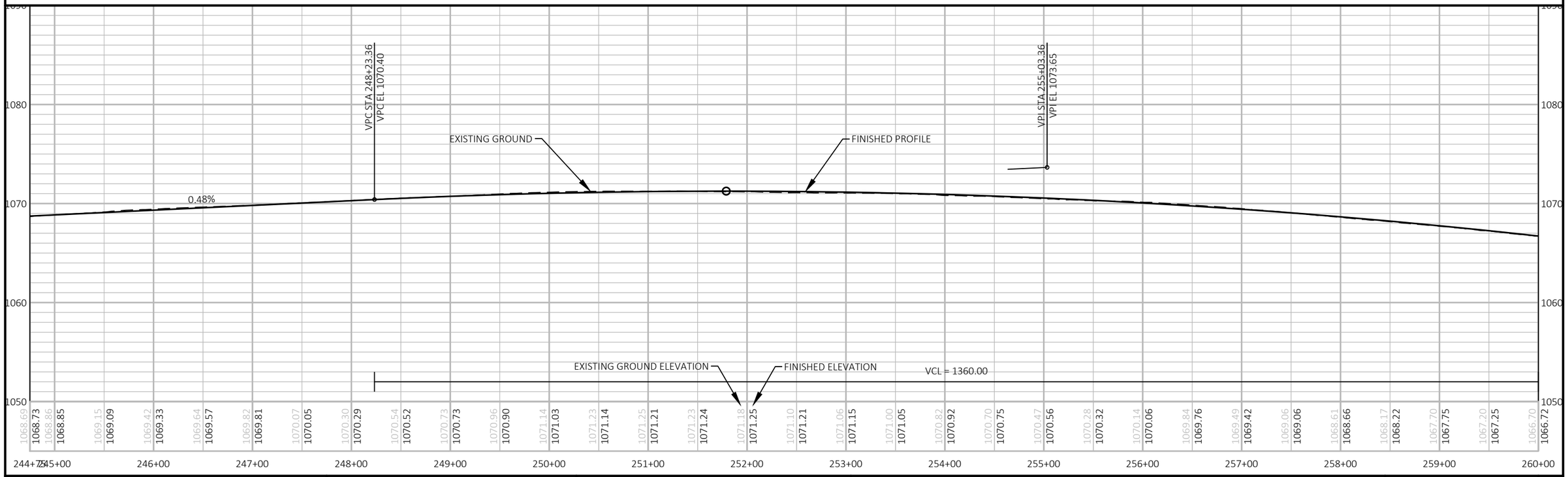


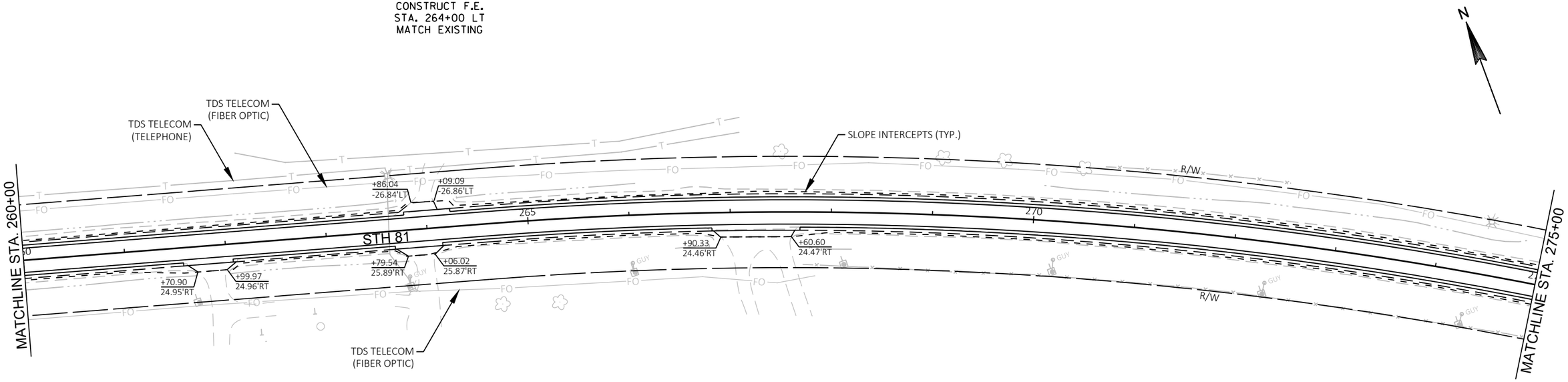


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 05

PLOT DATE : 10/30/2019 11:57 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE: 1 IN:100 FT

CONSTRUCT F.E.
STA. 264+00 LT
MATCH EXISTING



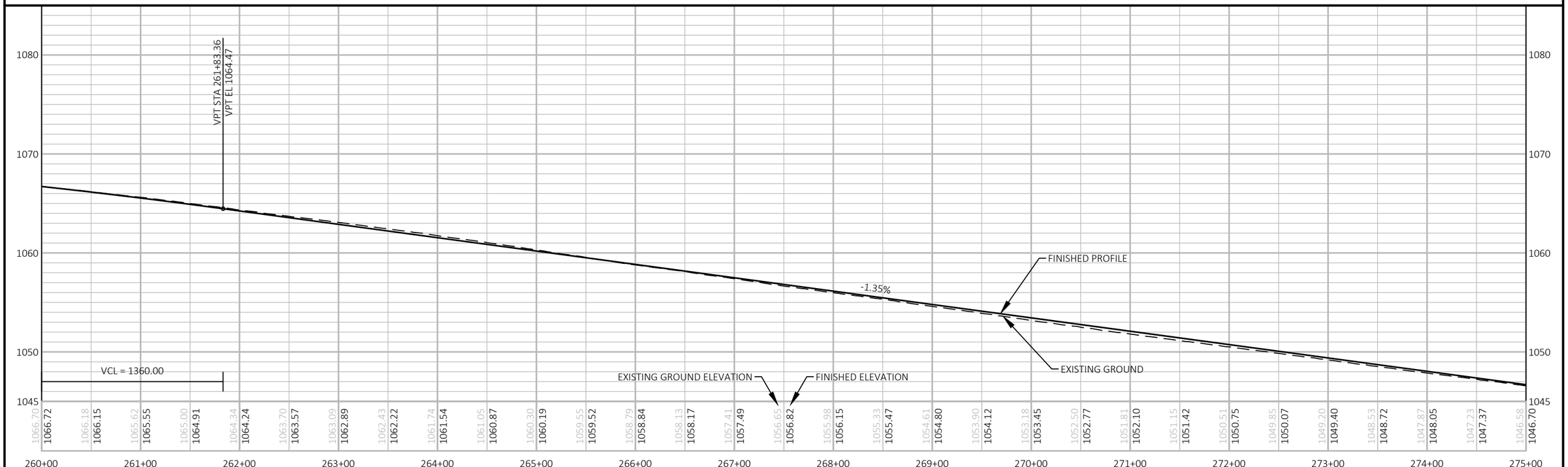
5

5

CONSTRUCT P.E.
STA. 261+75 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 264+00 RT
MATCH EXISTING

CONSTRUCT F.E.
STA. 267+25 RT
MATCH EXISTING



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

CONSTRUCT P.E.
STA. 282+00 LT
MATCH EXISTING

CONSTRUCT F.E.
STA. 283+75 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 287+25 LT
MATCH EXISTING

N

MATCHLINE STA. 275+00

SLOPE INTERCEPTS (TYP.)

SAWCUT REQ'D

TDS TELECOM
(TELEPHONE)

EXISTING STRUCTURE
C-22-41

R/W

+80.22
-27.25'LT

+99.54
-27.25'LT

+80.92
-26.53'LT

+02.90
-26.52'LT

+08.43
-23.78'LT

+46.91
-24.45'LT

280

285

STH 81

R/W

+29.42
-25.33'RT

+52.11
25.36'RT

TDS TELECOM
(FIBER OPTIC)

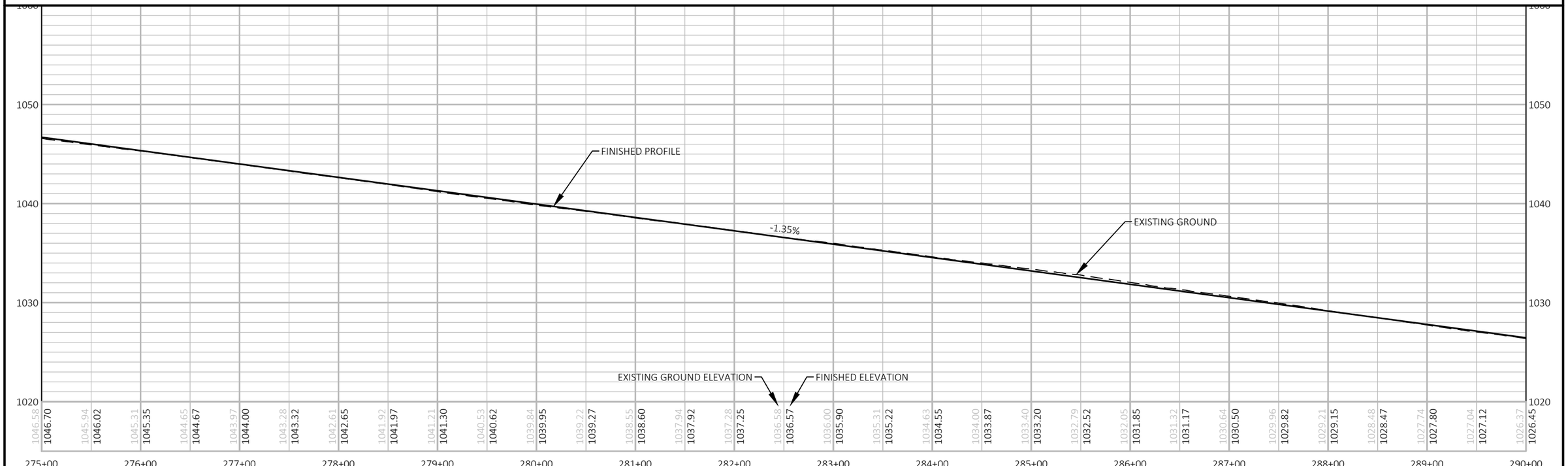
ALLIANT ENERGY
(ELECTRIC)

MATCHLINE STA. 290+00

5

5

CONSTRUCT F.E.
STA. 287+25 RT
MATCH EXISTING

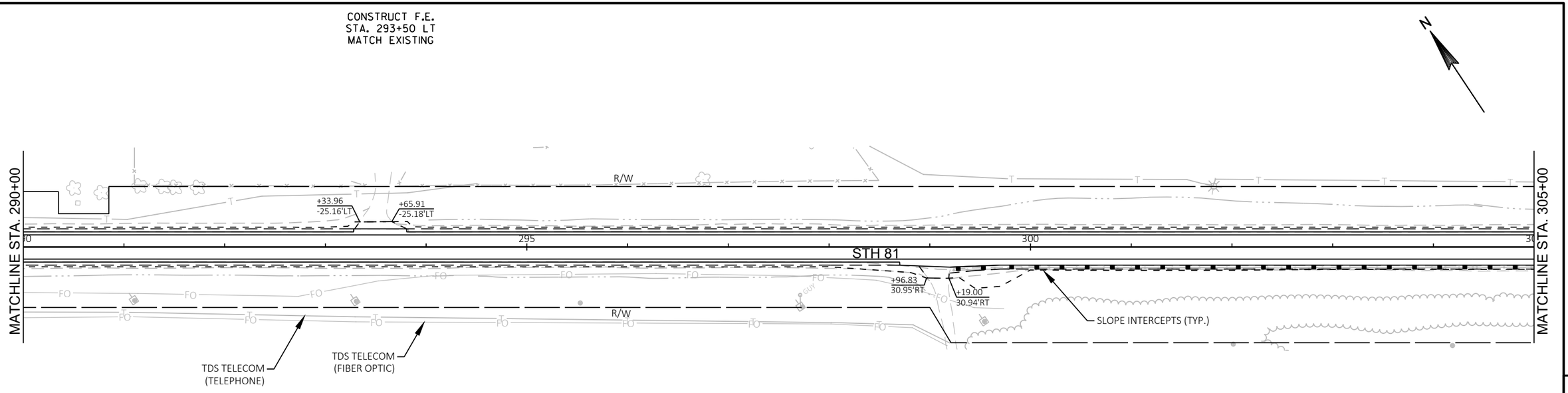


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

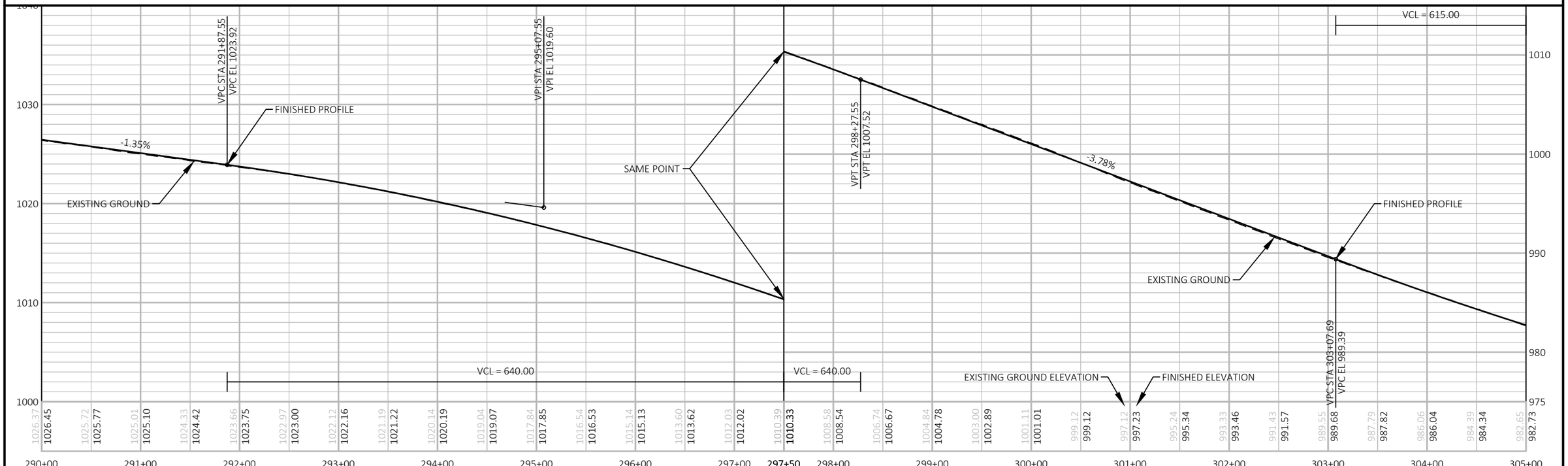
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 07

PLOT DATE : 10/30/2019 11:59 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE: 1 IN:100 FT

CONSTRUCT F.E.
STA. 293+50 LT
MATCH EXISTING

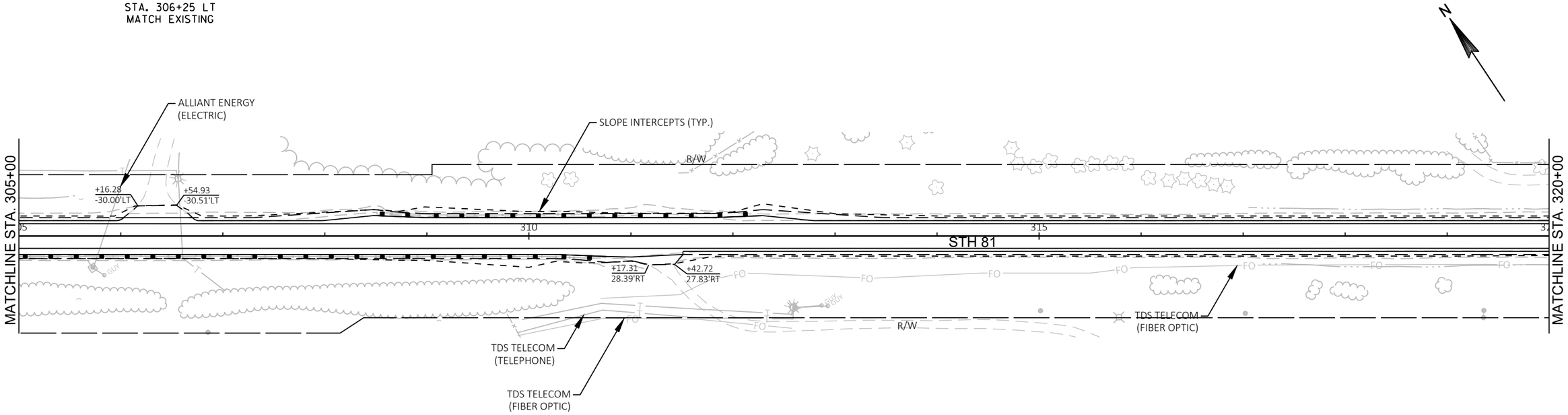


CONSTRUCT F.E.
STA. 299+00 RT
MATCH EXISTING

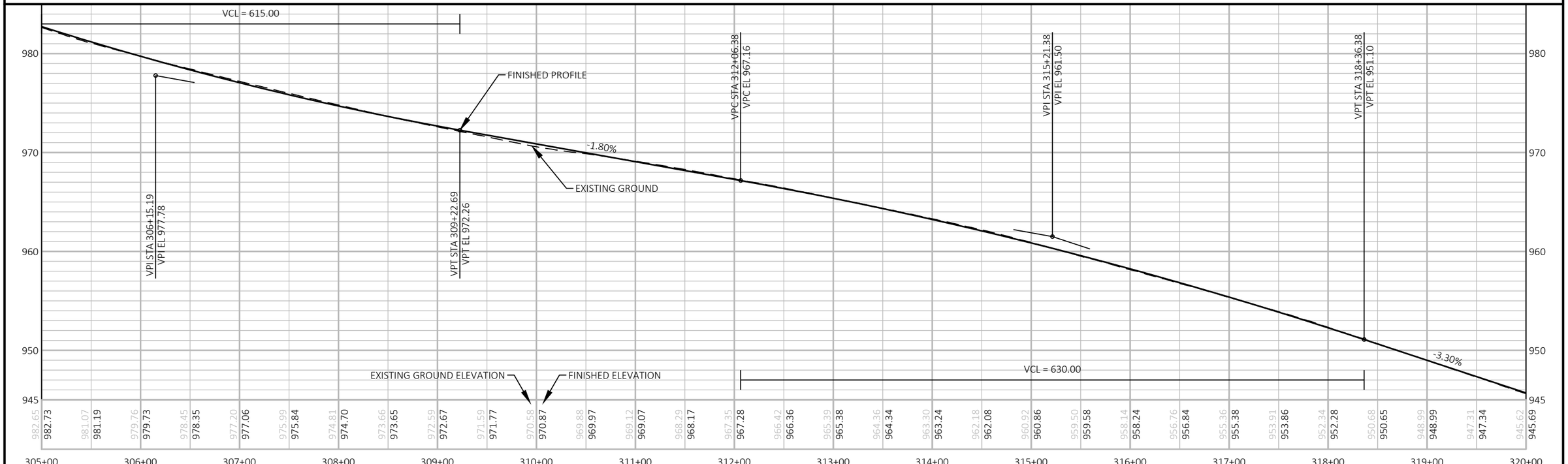


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

CONSTRUCT P.E.
STA. 306+25 LT
MATCH EXISTING



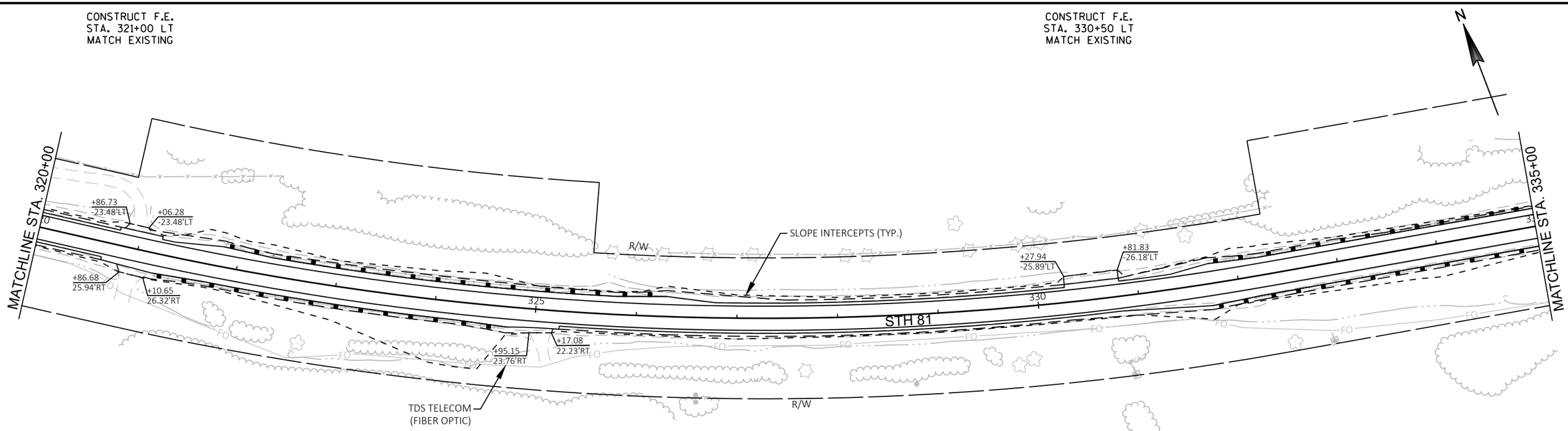
CONSTRUCT F.E.
STA. 311+25 RT
MATCH EXISTING



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

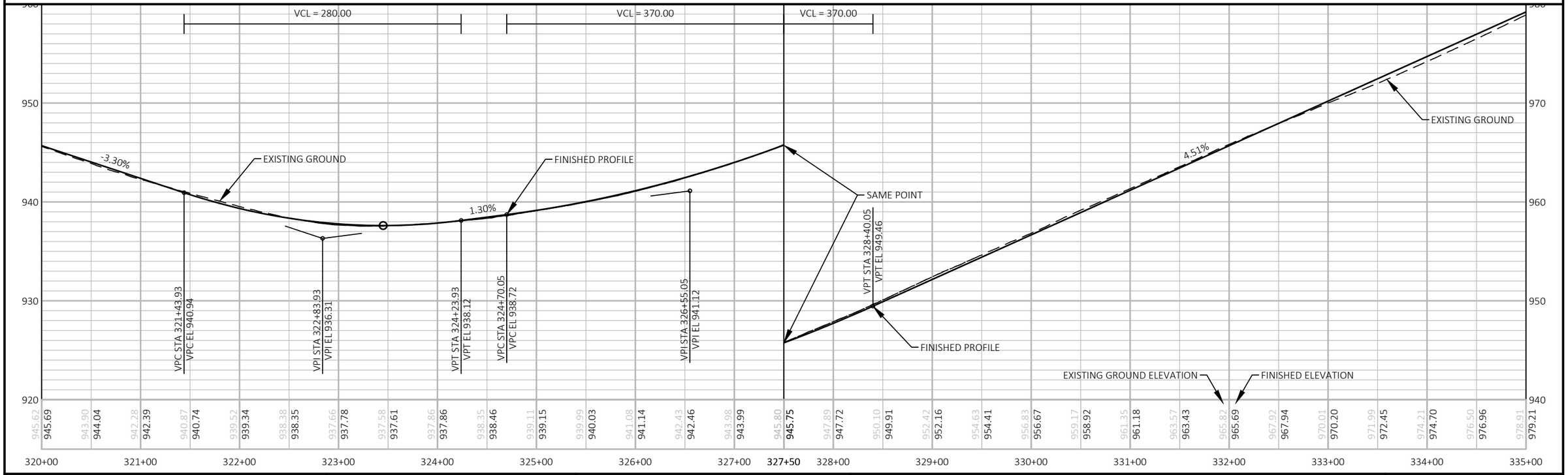
CONSTRUCT F.E.
STA. 321+00 LT
MATCH EXISTING

CONSTRUCT F.E.
STA. 330+50 LT
MATCH EXISTING



CONSTRUCT F.E.
STA. 321+00 RT
MATCH EXISTING

CONSTRUCT F.E.
STA. 325+00 RT
MATCH EXISTING



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

CONSTRUCT F.E.
STA. 337+75 LT
MATCH EXISTING

BLUFF RD

SAWCUT REQ'D

12+00 BLR

STA. 344+50.01 =
STA. 10+00.00'BLR'

SLOPE INTERCEPTS (TYP.)

R/W

STH 81

+56.31
-30.38'LT

+74.35
-31.07'LT

340

345

+01.46
25.74'RT

+23.18
25.69'RT

TDS TELECOM
(TELEPHONE)

MATCHLINE STA. 335+00

MATCHLINE STA. 350+00

STA. 337+59.03 =
STA. 10+00.00'BAL'

12+00 BAL

BAST LN

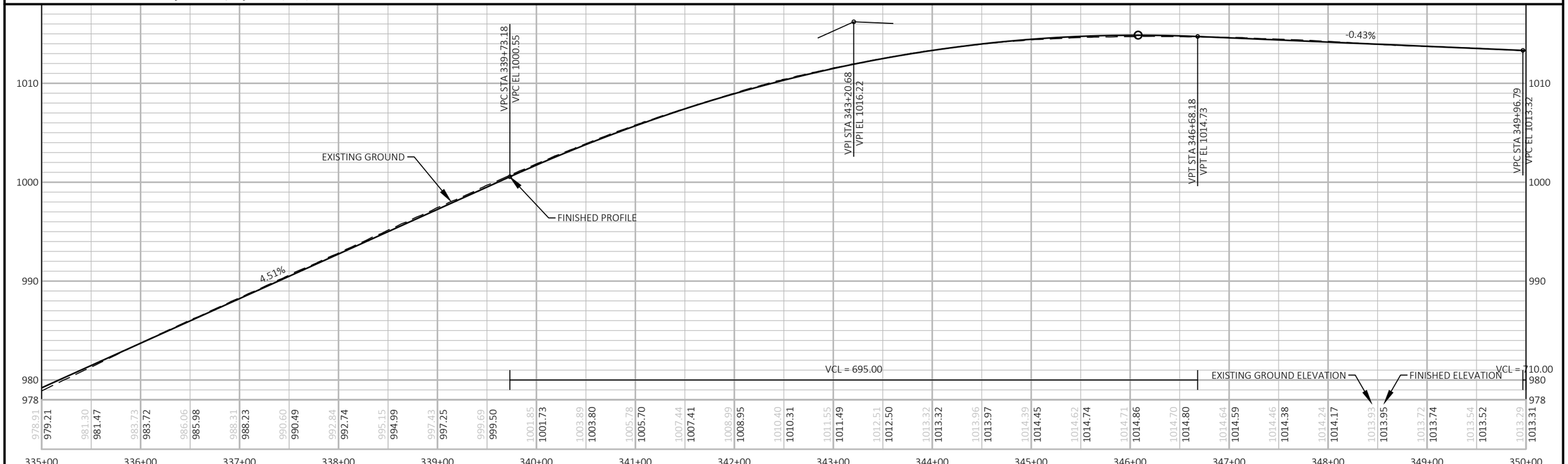
TDS TELECOM
(FIBER OPTIC)

DAIRYLAND POWER COOPERATIVE
(ELECTRIC)

ALLIANT ENERGY
(ELECTRIC)

SAWCUT REQ'D

CONSTRUCT P.E.
STA. 342+00 RT
MATCH EXISTING



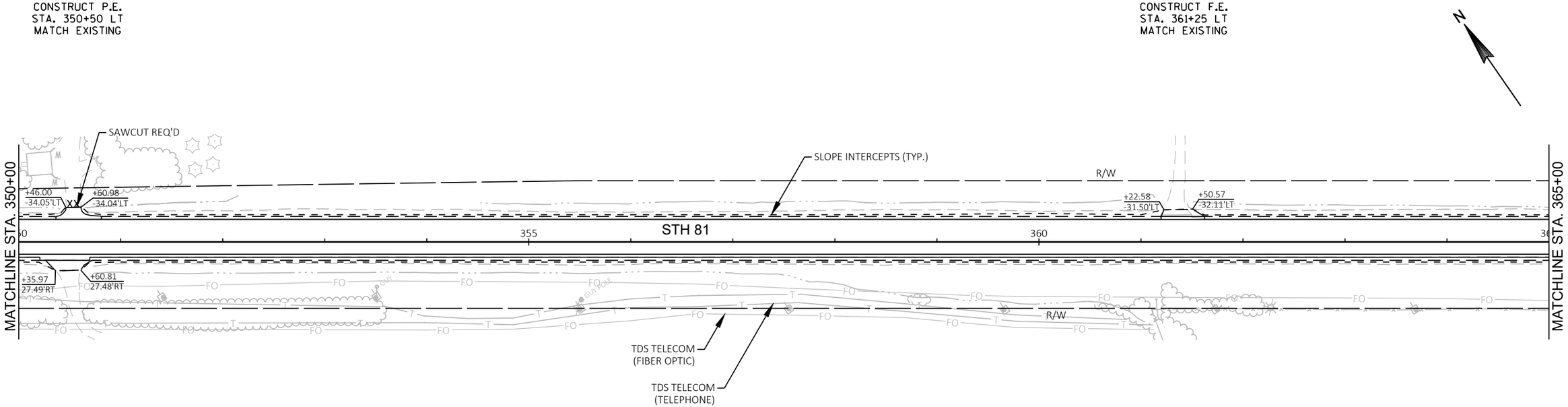
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 11

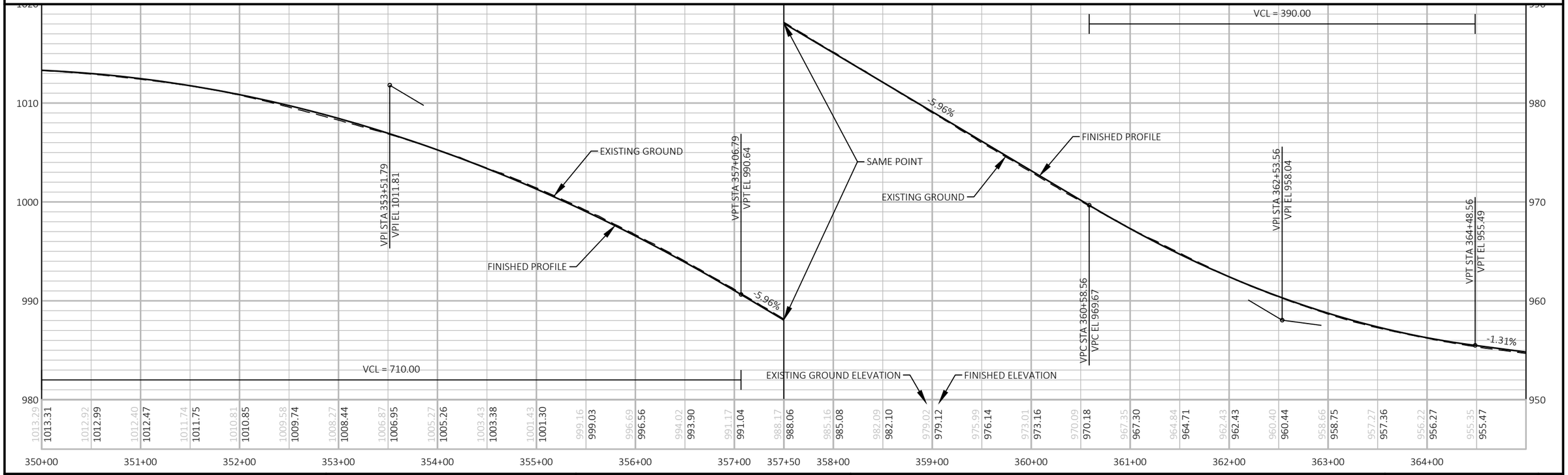
PLOT DATE : 10/30/2019 12:03 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE: 1 IN:100 FT

CONSTRUCT P.E.
STA. 350+50 LT
MATCH EXISTING

CONSTRUCT F.E.
STA. 361+25 LT
MATCH EXISTING

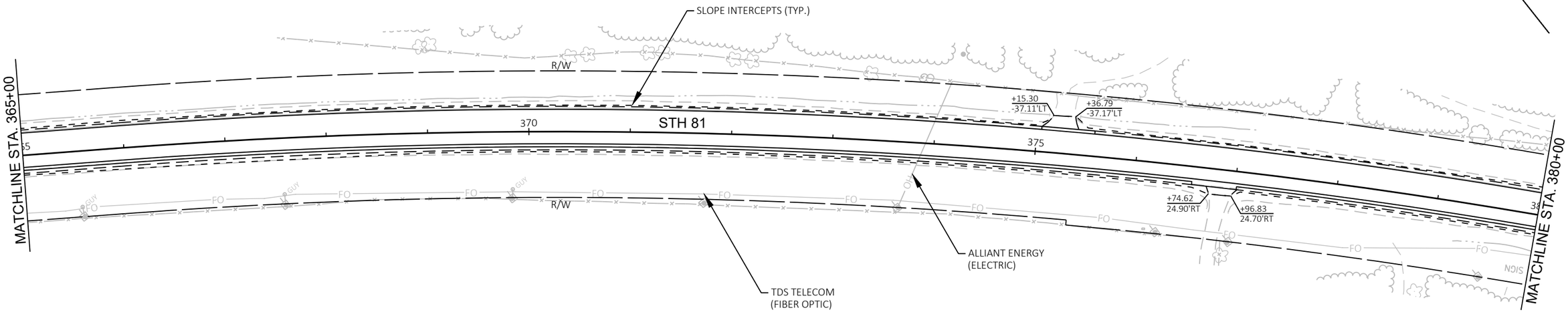


CONSTRUCT F.E.
STA. 350+50 RT
MATCH EXISTING

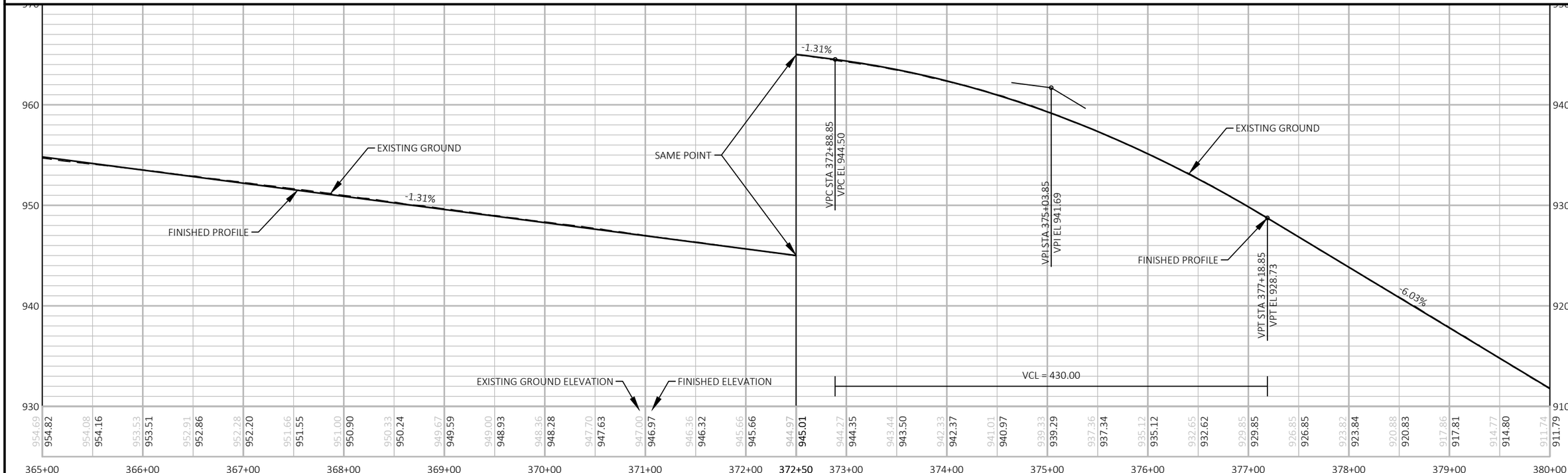


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

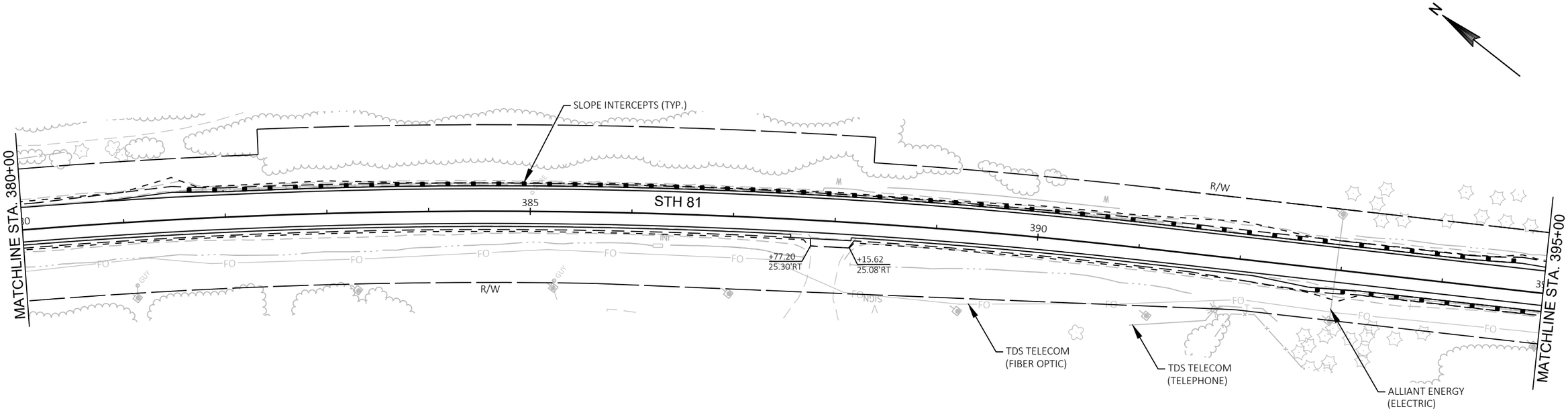
CONSTRUCT F.E.
STA. 375+25 LT
MATCH EXISTING



CONSTRUCT P.E.
STA. 376+75 RT
MATCH EXISTING



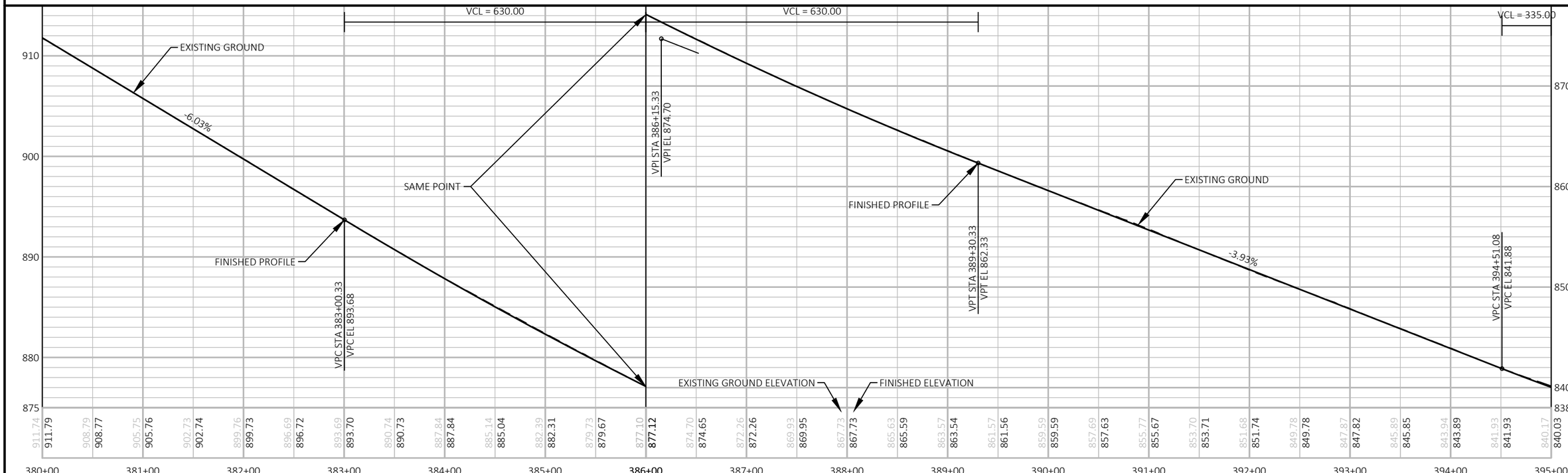
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E



5

5

CONSTRUCT P.E.
STA. 388+00 RT
MATCH EXISTING



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 14
PLOT DATE : 10/30/2019 12:05 PM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE: 1 IN:100 FT
WISDOT/CADDS SHEET 44

CONSTRUCT P.E.
STA. 399+75 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 406+00 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 408+00 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 409+25 & 409+65 LT
MATCH EXISTING

VALLEY VIEW DR

MATCHLINE STA. 395+00

MATCHLINE STA. 410+00

STA. 399+50.00 =
STA. 10+00.00'VVD'

R/W

SAWCUT REQ'D

+61.04
-44.93'LT

+92.68
-30.91'LT

TDS TELECOM
(TELEPHONE)

SLOPE INTERCEPTS (TYP.)

+99.56
-30.38'LT

+37.03
-32.00'LT

+81.32
-37.68'LT

+12.25
-38.11'LT

+15.96
-37.60'LT

+37.08
-38.04'LT

+58.54
-38.14'LT

+79.02
-37.96'LT

400

405

STH 81

SAWCUT REQ'D

11+00'EBW'

12+00'EBW'

13+00'EBW'

14+00'EBW'

15+00'EBW'

R/W

TDS TELECOM
(FIBER OPTIC)

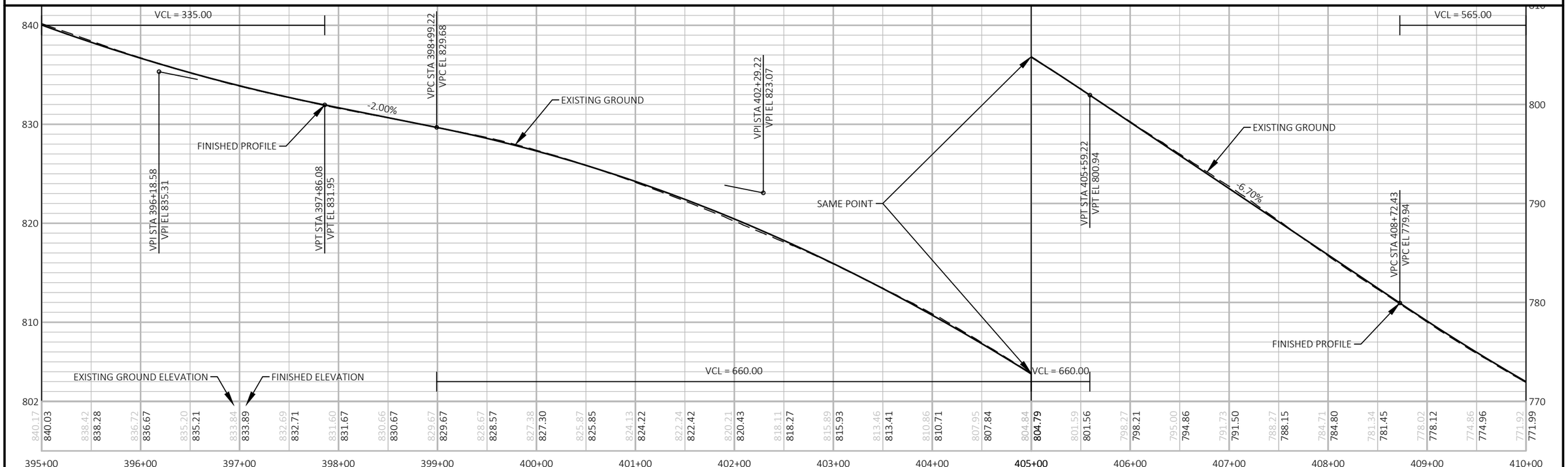
ALLIANT ENERGY
(ELECTRIC)

STA. 400+78.84 =
STA. 10+00.00'EBW'

SAWCUT REQ'D

TDS TELECOM
(FIBER OPTIC)

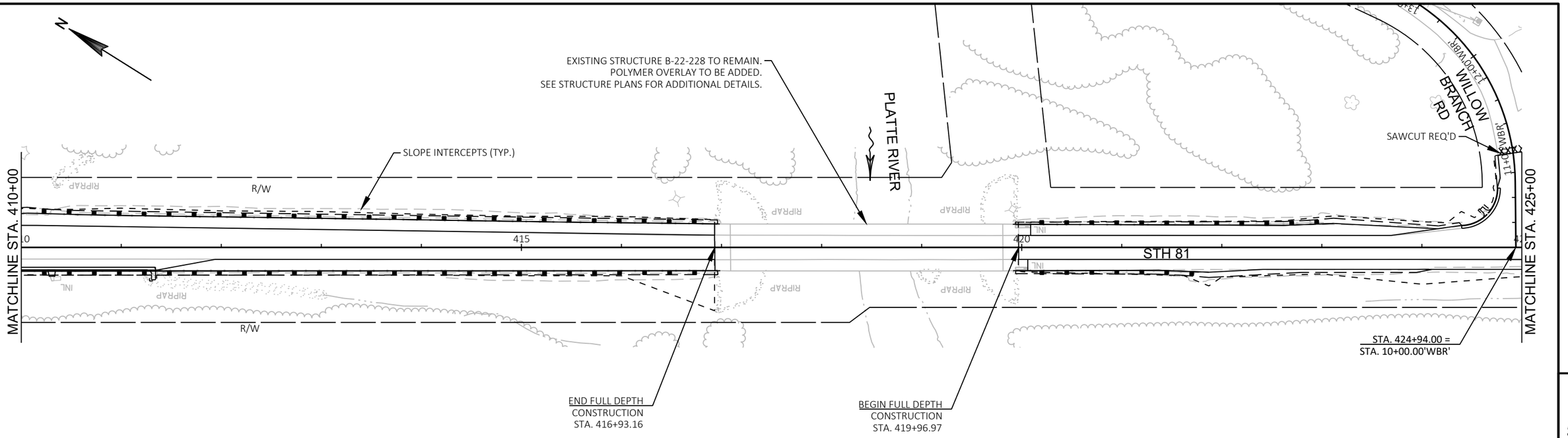
ELLENBORO RD WEST

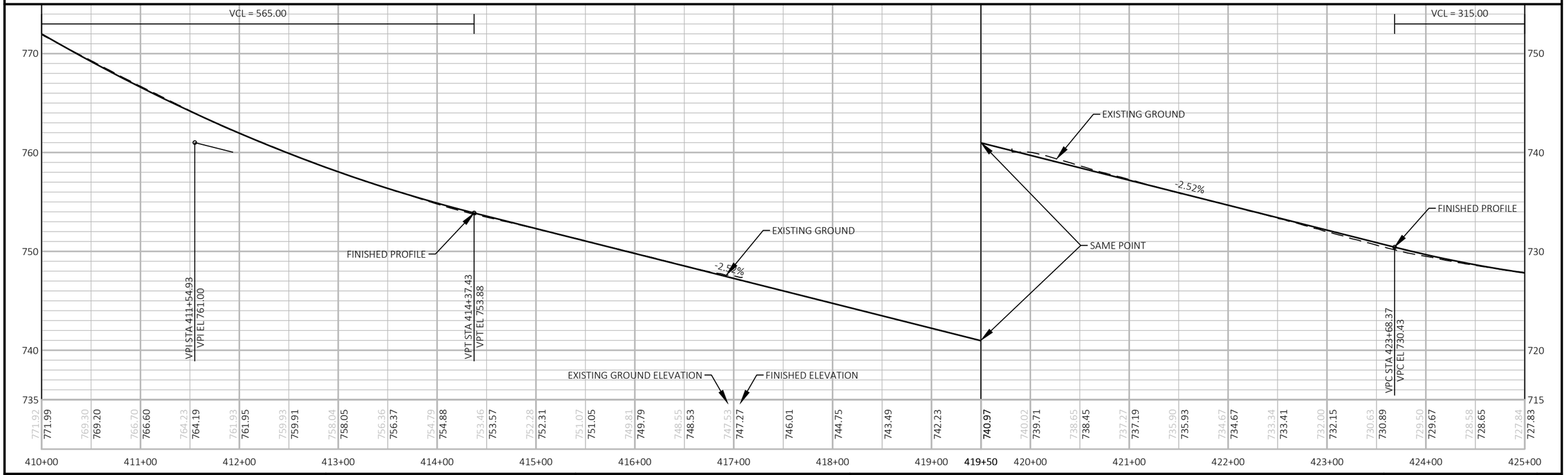


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 15

PLOT DATE : 10/30/2019 12:06 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE: 1 IN:100 FT

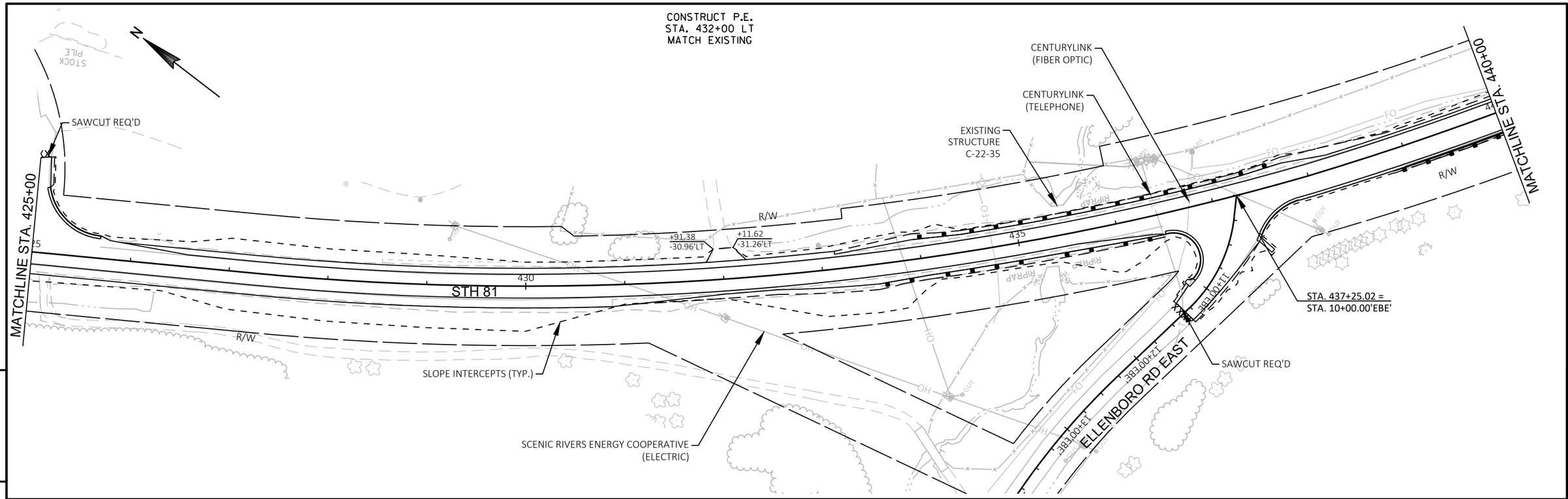


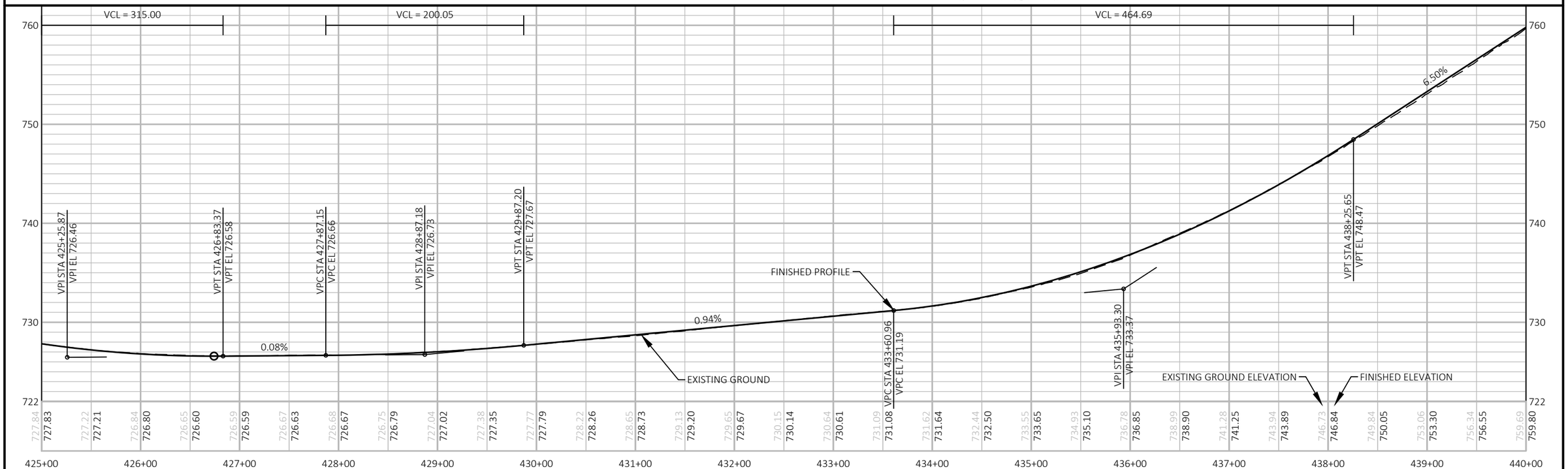


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

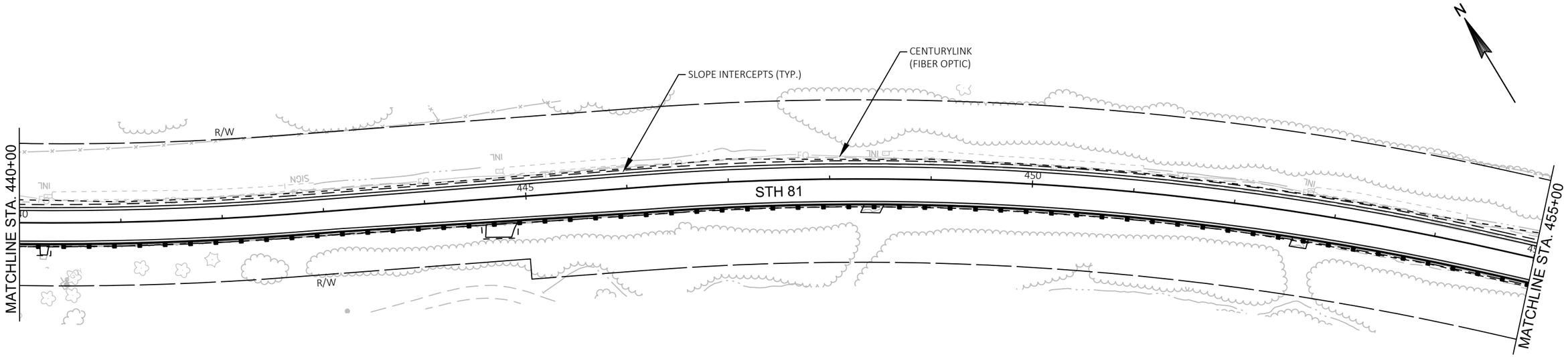
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 16

PLOT DATE : 10/30/2019 12:07 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE: 1 IN:100 FT



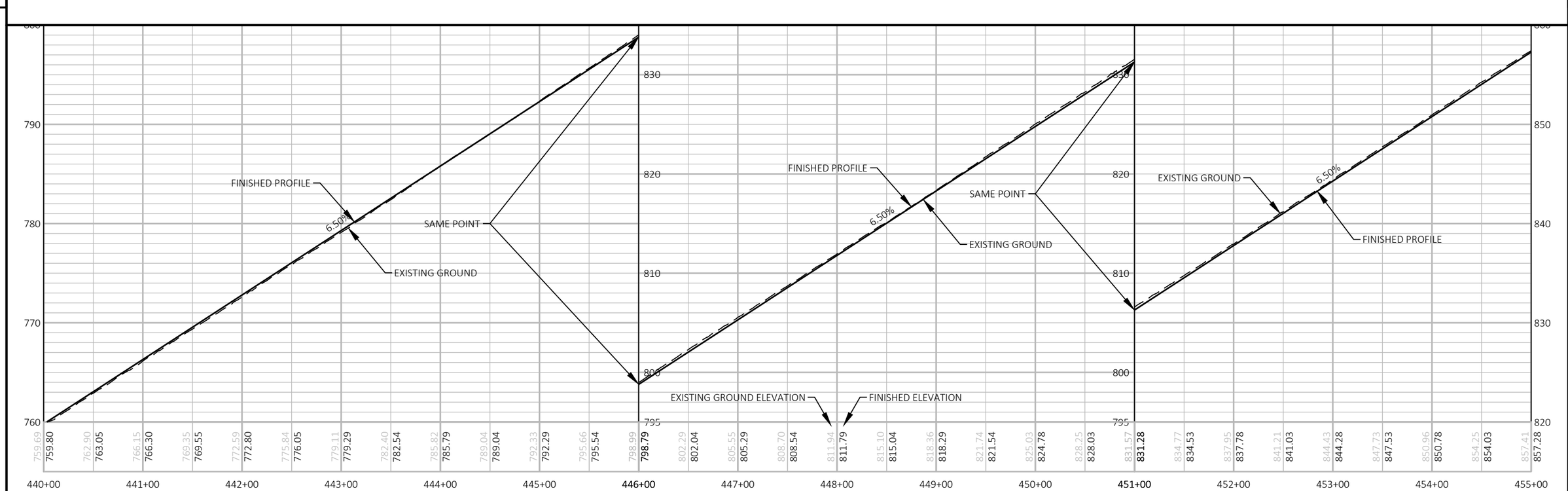


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET E



5

5

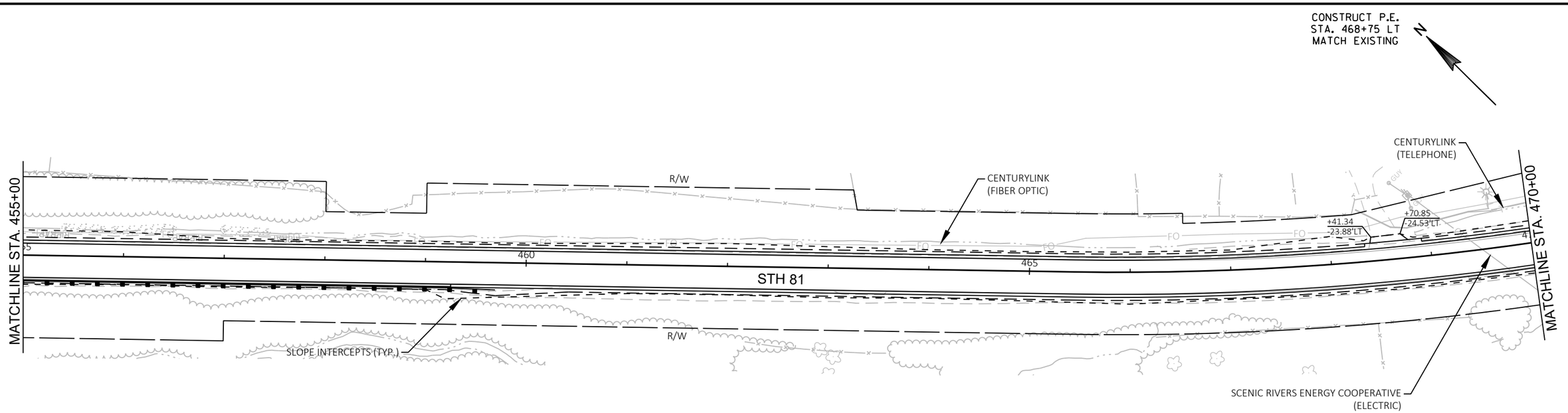


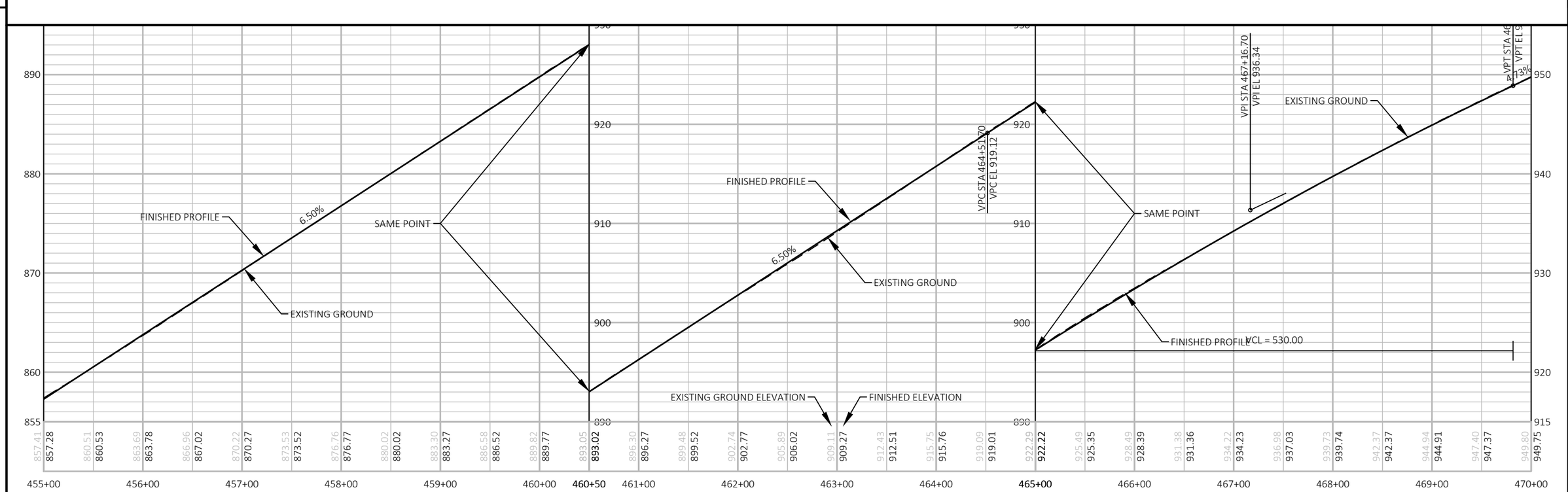
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 18

PLOT DATE : 10/30/2019 12:09 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE: 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 19
PLOT DATE : 10/30/2019 12:10 PM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE: 1 IN:100 FT

CONSTRUCT P.E.
STA. 470+50 LT
MATCH EXISTING

MATCHLINE STA. 470+00

CENTURYLINK (TELEPHONE)

CENTURYLINK (FIBER OPTIC)

+34.38
-28.53'LT

+54.62
-29.40'LT

475

STH 81

R/W

CENTURYLINK (TELEPHONE)

SAWCUT REQ'D

11+00'PR'

12+00'PR'

13+00'PR'

14+00'PR'

PLATTE RD

STA. 479+80.78 =
STA. 10+00.00'PR'

480

'PR'+57.90
-24.07'LT

'PR'+86.22
-27.65'LT

SCENIC RIVERS ENERGY COOPERATIVE (ELECTRIC)

+52.56
29.55'RT

+76.62
28.44'RT

SLOPE INTERCEPTS (TYP.)

MATCHLINE STA. 485+00

N

CONSTRUCT P.E.
STA. 10+75'PR' LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 483+75 RT
MATCH EXISTING

VPC STA 477+73.06
VPC EL 986.35

VPI STA 480+80.56
VPI EL 1000.90

VPT STA 483+88.06
VPT EL 1002.40

FINISHED PROFILE

4.73%

SAME POINT

EXISTING GROUND

EXISTING GROUND ELEVATION

FINISHED ELEVATION

4.73%

EXISTING GROUND

0.49%

FINISHED PROFILE

VCL = 615.00

980
970
960
950

1010
1000
990
980

949.80 949.75
952.15 952.12
954.55 954.49
956.87 956.85
959.21 959.22
961.57 961.59
963.94 963.95
966.37 966.32
968.80 968.69
971.18 971.05
973.52 973.42
975.86 975.79
978.20 978.15
980.53 980.52
982.90 982.89
985.26 985.26
987.59 987.60
989.82 989.78
991.82 991.80
993.71 993.64
995.44 995.31
996.94 996.81
998.23 998.13
999.38 999.28
1000.29 1000.26
1001.04 1001.07
1001.64 1001.70
1002.08 1002.16
1002.42 1002.46
1002.76 1002.70
1003.05 1002.95

470+00 471+00 472+00 473+00 474+00 475+00 476+00 477+00 **477+50** 478+00 479+00 480+00 481+00 482+00 483+00 484+00 485+00

5

5

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 20

PLOT DATE : 10/30/2019 12:10 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE: 1 IN:100 FT

WISDOT/CADDS SHEET 44

CONSTRUCT F.E.
STA. 486+00 LT
MATCH EXISTING

CONSTRUCT F.E.
STA. 487+00 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 491+25 LT
MATCH EXISTING

CONSTRUCT F.E.
STA. 494+75 LT
MATCH EXISTING

N

CENTURYLINK
(FIBER OPTIC)

CENTURYLINK
(TELEPHONE)

MATCHLINE STA. 485+00

MATCHLINE STA. 500+00

R/W

+11.67
-25.65'LT

+98.74
-25.38'LT

+85.15
-24.08'LT

+00.30
-24.06'LT

+00.84
-23.26'LT

+29.54
-23.46'LT

+71.09
-25.22'LT

+83.70
-25.53'LT

STH 81

+23.91
26.78'RT

+47.47
26.68'RT

SLOPE INTERCEPTS (TYP.)

5

5

CONSTRUCT P.E.
STA. 493+25 RT
MATCH EXISTING

VPC STA 486+84.87
VPC EL 1003.85

VPI STA 487+84.87
VPI EL 1004.33

VPT STA 488+84.87
VPT EL 1004.72

VPC STA 493+42.14
VPC EL 1006.50

VPI STA 495+02.14
VPI EL 1007.12

VPT STA 496+62.14
VPT EL 1006.84

EXISTING GROUND

FINISHED PROFILE

0.49%

0.39%

-0.17%

VCL = 200.00

VCL = 320.00

EXISTING GROUND ELEVATION

FINISHED ELEVATION

1020
1010
1000
990
985

1003.05 1002.95
1003.36 1003.19
1003.62 1003.43
1003.84 1003.68
1004.12 1003.92
1004.44 1004.15
1004.69 1004.37
1004.86 1004.58
1005.00 1004.78
1005.21 1004.97
1005.37 1005.17
1005.56 1005.36
1005.76 1005.56
1005.93 1005.75
1006.11 1005.95
1006.24 1006.14
1006.37 1006.33
1006.47 1006.53
1006.55 1006.69
1006.63 1006.81
1006.73 1006.89
1006.74 1006.92
1006.75 1006.91
1006.75 1006.86
1006.80 1006.78
1006.78 1006.69
1006.74 1006.60
1006.68 1006.52
1006.67 1006.43
1006.61 1006.34
1006.59 1006.26

485+00 486+00 487+00 488+00 489+00 490+00 491+00 492+00 493+00 494+00 495+00 496+00 497+00 498+00 499+00 500+00

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

CONSTRUCT P.E.
STA. 501+25 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 503+75 LT
MATCH EXISTING

CONSTRUCT F.E.
STA. 512+50 LT
MATCH EXISTING

N

CENTURYLINK
(TELEPHONE)

CENTURYLINK
(FIBER OPTIC)

SAWCUT REQ'D

SLOPE INTERCEPTS (TYP.)

R/W

+92.89
-22.72'LT

+45.11
-23.06'LT

+50.81
-28.48'LT

+74.84
-28.48'LT

+49.17
-31.24'LT

+60.14
-31.20'LT

MATCHLINE STA. 500+00

505

510

MATCHLINE STA. 515+00

STH 81

+01.11
23.84'RT

+15.56
23.84'RT

R/W

5

5

CONSTRUCT F.E.
STA. 505+00 RT
MATCH EXISTING

VPC STA 503+85.96
VPC EL 1005.59

VPI STA 505+45.96
VPI EL 1005.31

VPT STA 507+05.96
VPT EL 1004.51

EXISTING GROUND

-0.17%

FINISHED PROFILE

-0.50%

VCL = 320.00

EXISTING GROUND ELEVATION

FINISHED ELEVATION

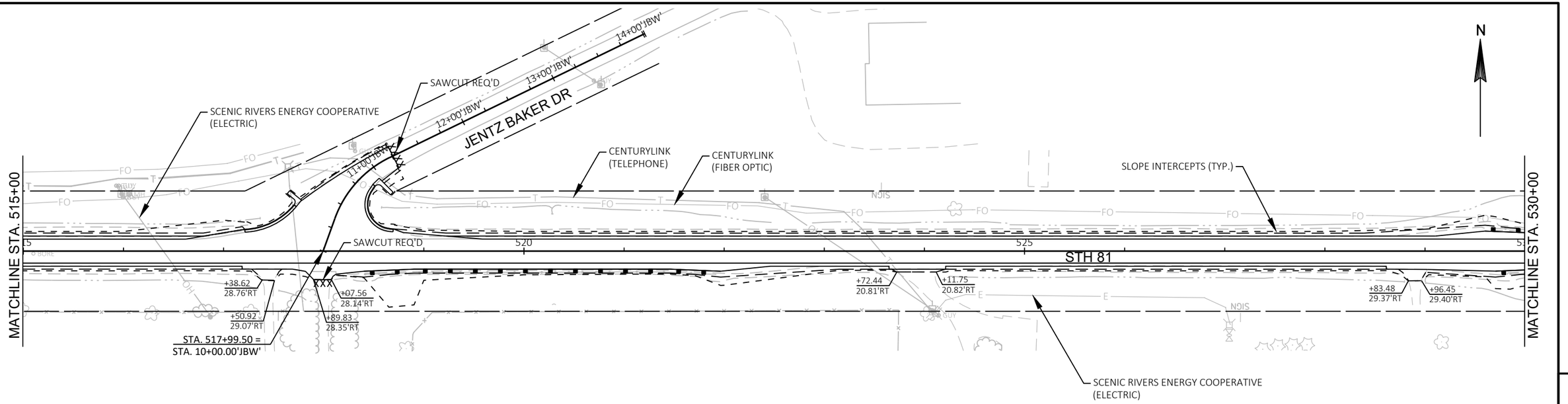
1020
1010
1000
990
985

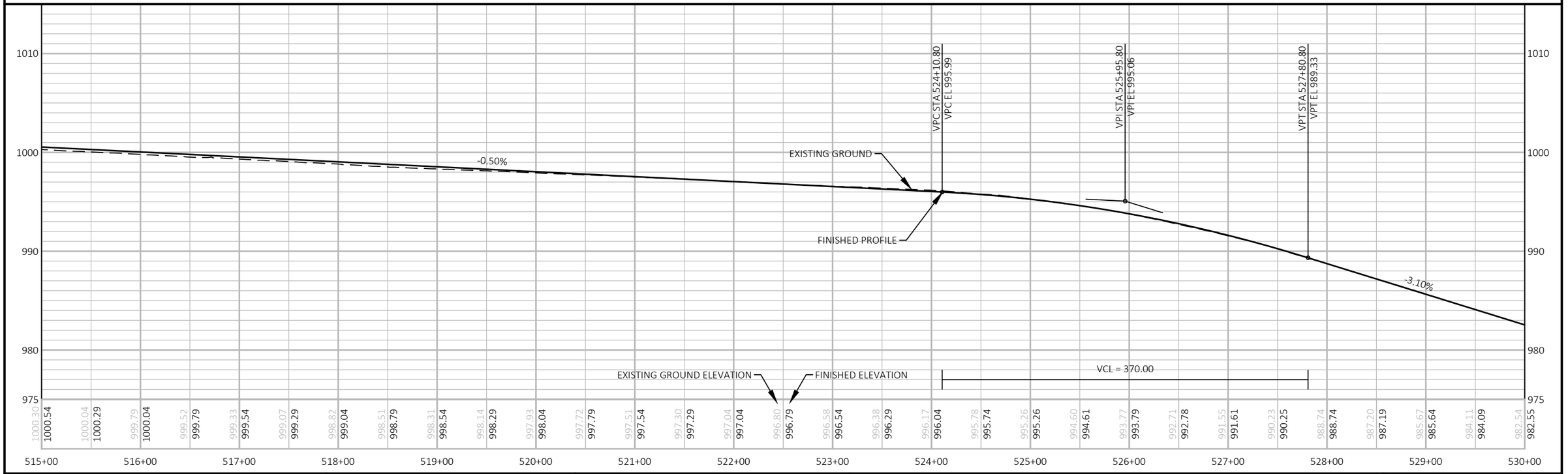
1006.59 1006.26
1006.37 1006.17
1006.19 1006.08
1006.04 1006.00
1005.96 1005.91
1005.80 1005.82
1005.69 1005.74
1005.72 1005.65
1005.63 1005.56
1005.50 1005.46
1005.33 1005.32
1005.10 1005.17
1004.90 1004.98
1004.67 1004.78
1004.41 1004.54
1004.17 1004.29
1003.91 1004.04
1003.64 1003.79
1003.42 1003.54
1003.21 1003.29
1002.96 1003.04
1002.74 1002.79
1002.53 1002.54
1002.30 1002.29
1002.05 1002.04
1001.81 1001.79
1001.52 1001.54
1001.24 1001.29
1000.89 1001.04
1000.59 1000.79
1000.30 1000.54

500+00 501+00 502+00 503+00 504+00 505+00 506+00 507+00 508+00 509+00 510+00 511+00 512+00 513+00 514+00 515+00

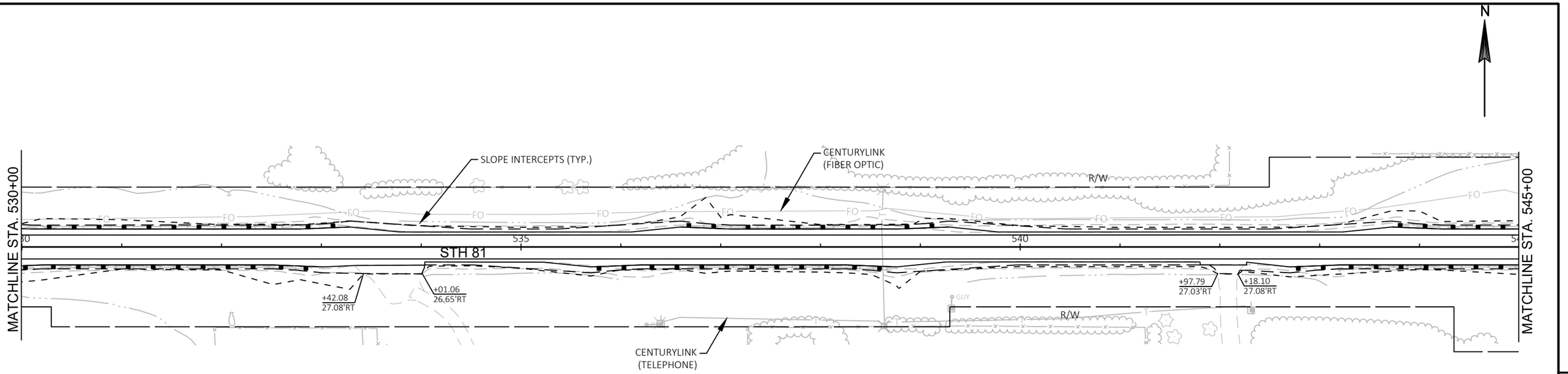
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 22
PLOT DATE : 10/30/2019 12:12 PM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE: 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

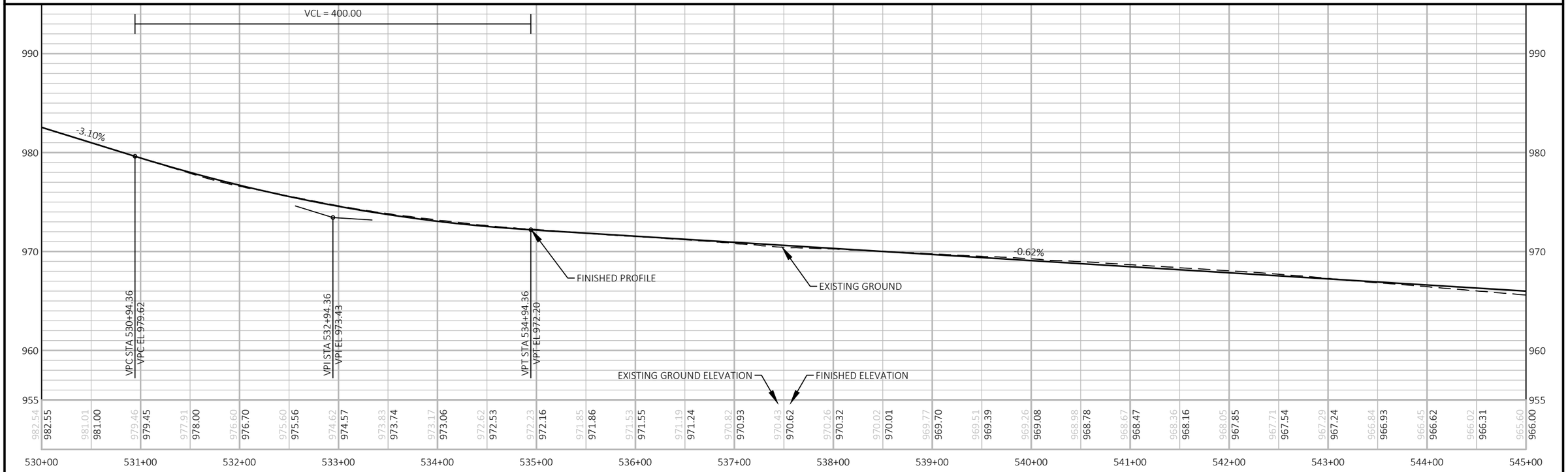


5

5

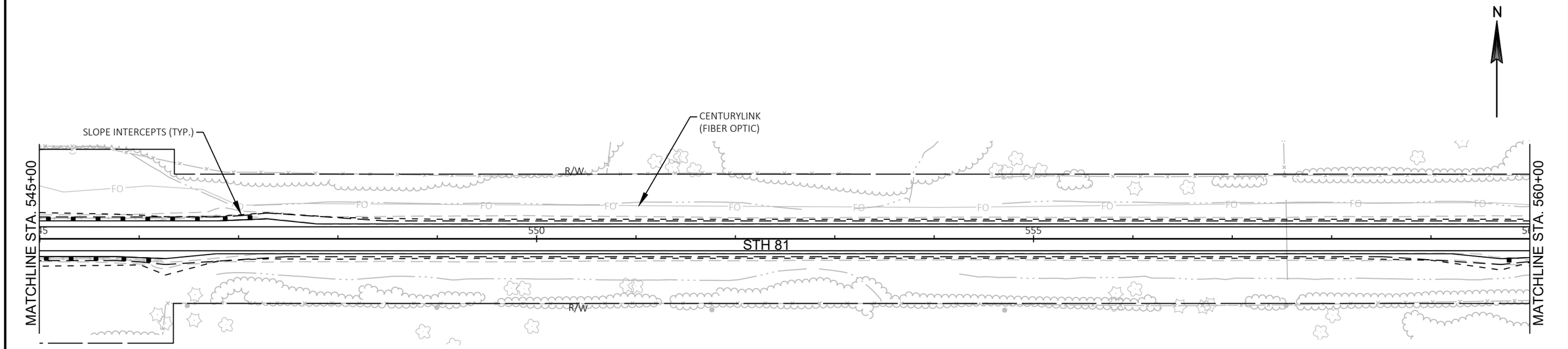
CONSTRUCT P.E.
STA. 533+75 RT
MATCH EXISTING

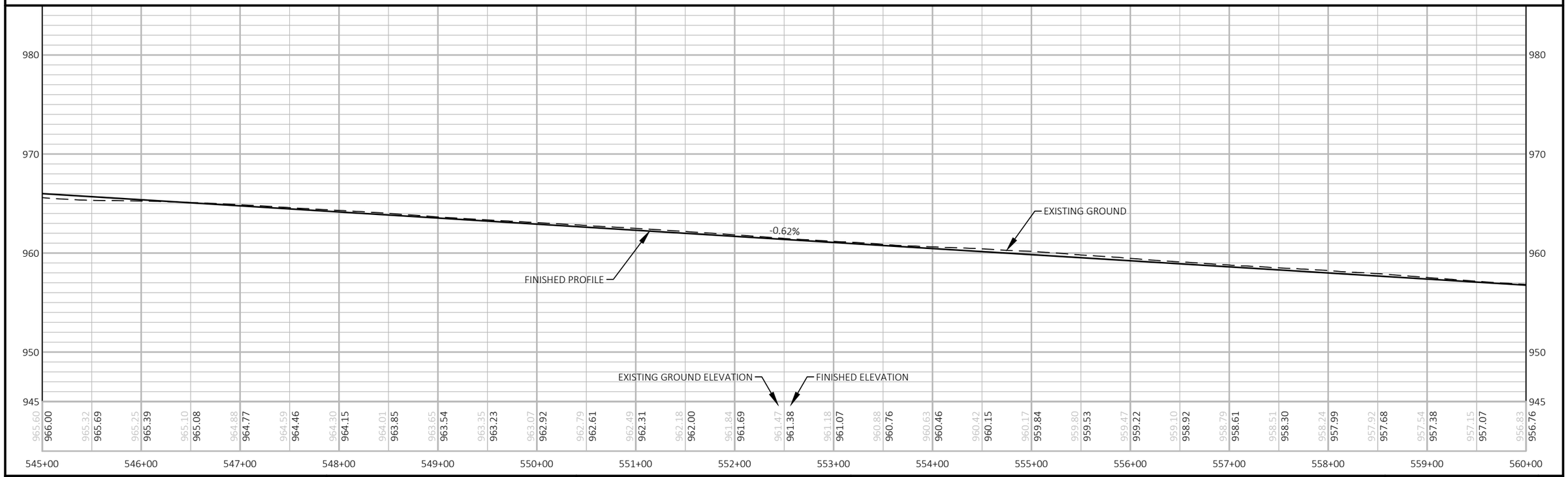
CONSTRUCT P.E.
STA. 542+00 RT
MATCH EXISTING



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

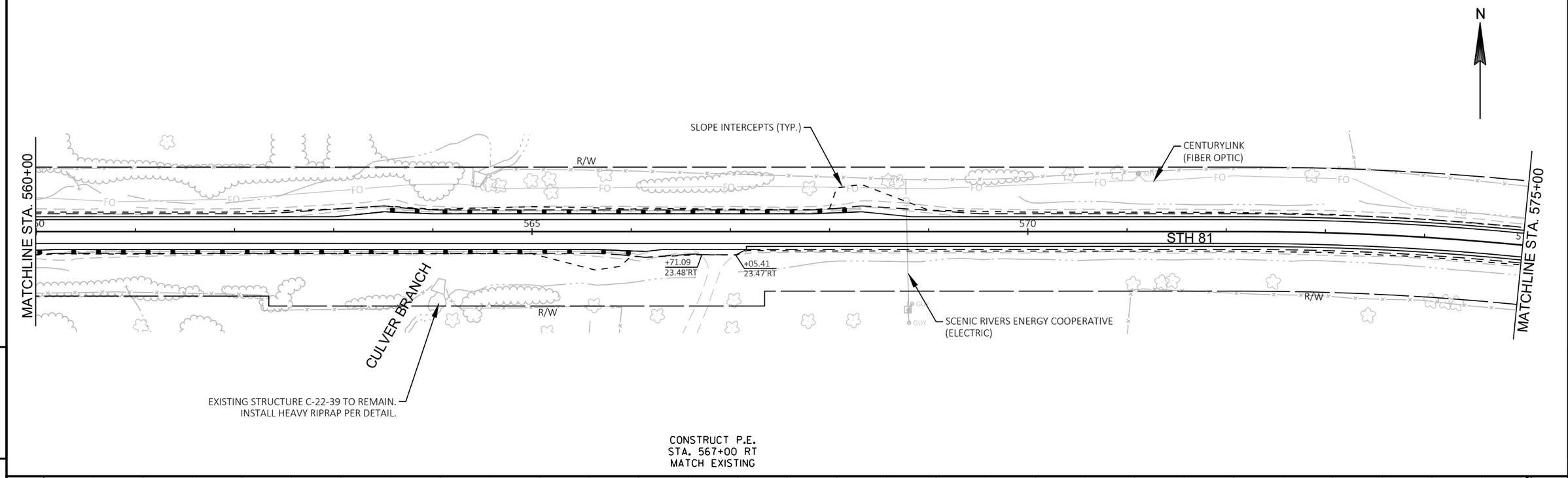
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 24
PLOT DATE : 10/30/2019 12:13 PM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE: 1 IN:100 FT
WISDOT/CADDS SHEET 44



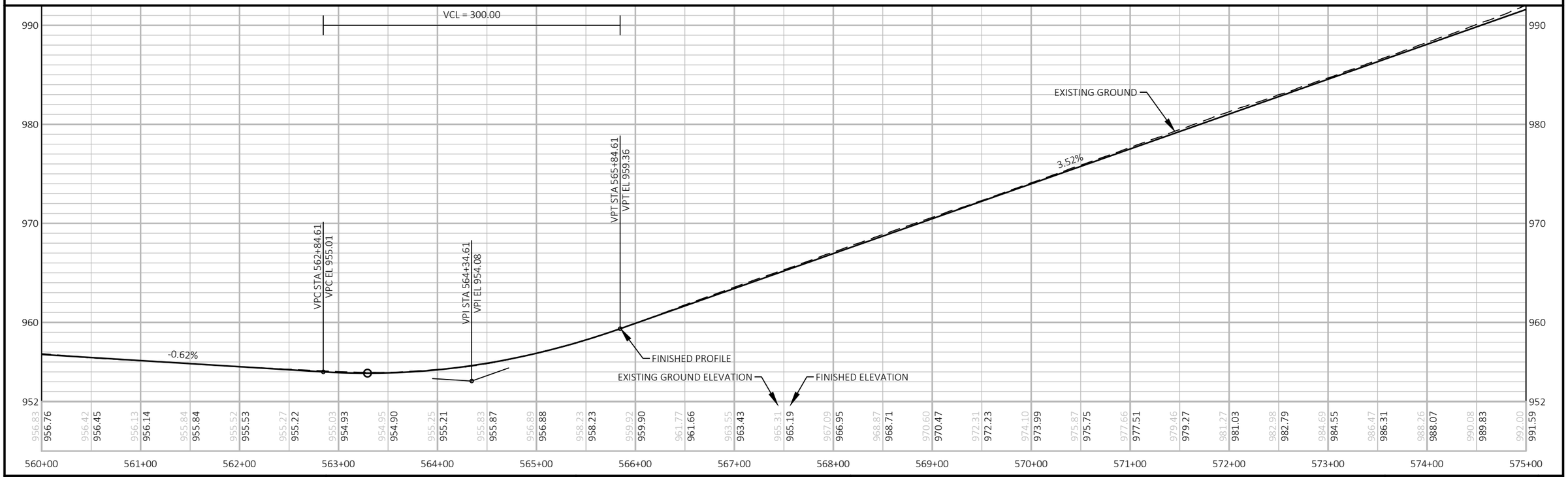


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 25
PLOT DATE : 10/30/2019 12:14 PM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE: 1 IN:100 FT



CONSTRUCT P.E.
STA. 567+00 RT
MATCH EXISTING



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

CONSTRUCT P.E.
STA. 581+75 LT
MATCH EXISTING

N

JENTZ BAKER DR

SLOPE INTERCEPTS (TYP.)

CENTURYLINK (TELEPHONE)

CENTURYLINK (FIBER OPTIC)

+58.79
-22.84'LT

+05.62
-23.75'LT

+00.84
25.89'RT

+29.60
25.95'RT

R/W

580

585

STH 81

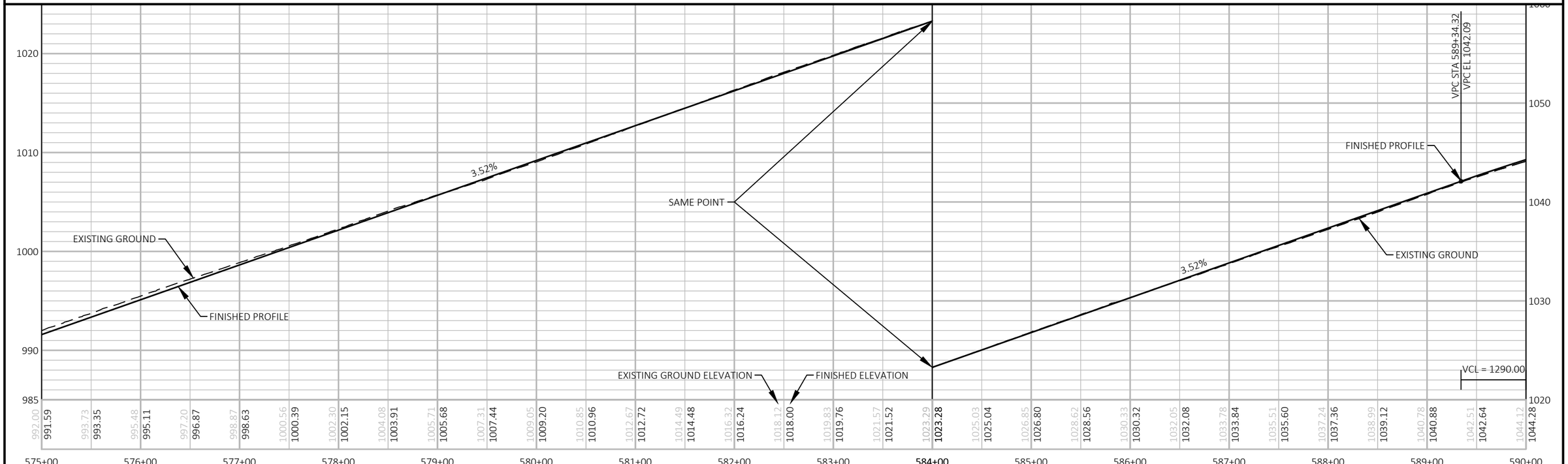
MATCHLINE STA. 575+00

MATCHLINE STA. 590+00

SCENIC RIVERS ENERGY COOPERATIVE (ELECTRIC)

STA. 580+46.73 =
STA. 10+00.00'JBE'

CONSTRUCT P.E.
STA. 581+25 RT
MATCH EXISTING

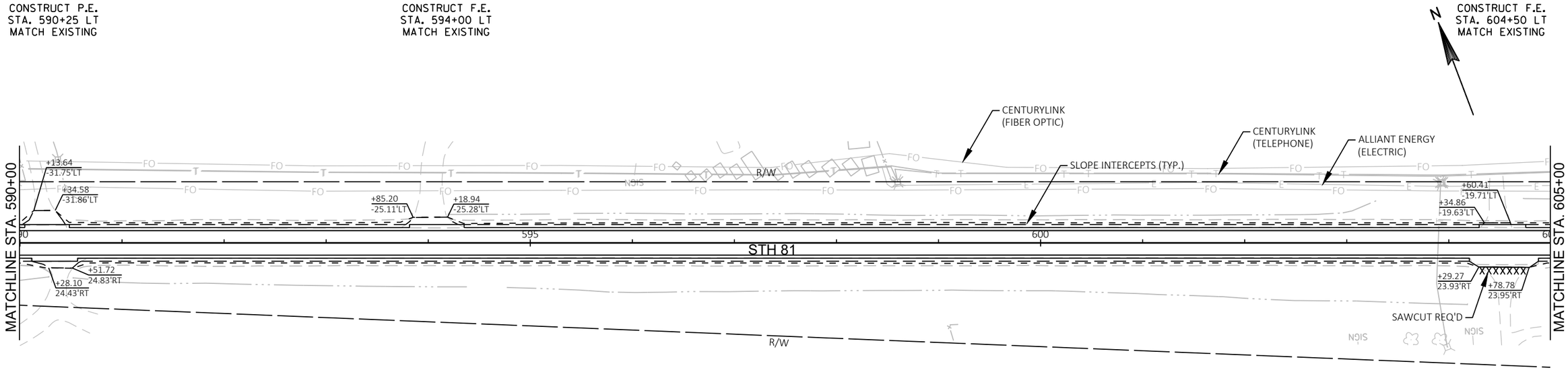


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

CONSTRUCT P.E.
STA. 590+25 LT
MATCH EXISTING

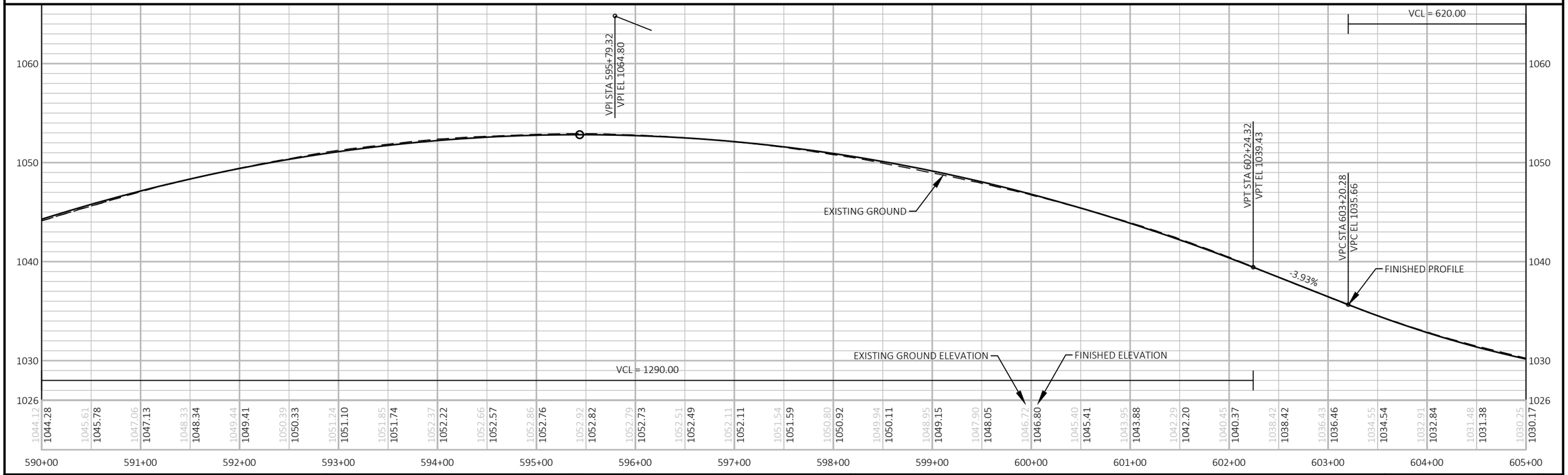
CONSTRUCT F.E.
STA. 594+00 LT
MATCH EXISTING

CONSTRUCT F.E.
STA. 604+50 LT
MATCH EXISTING

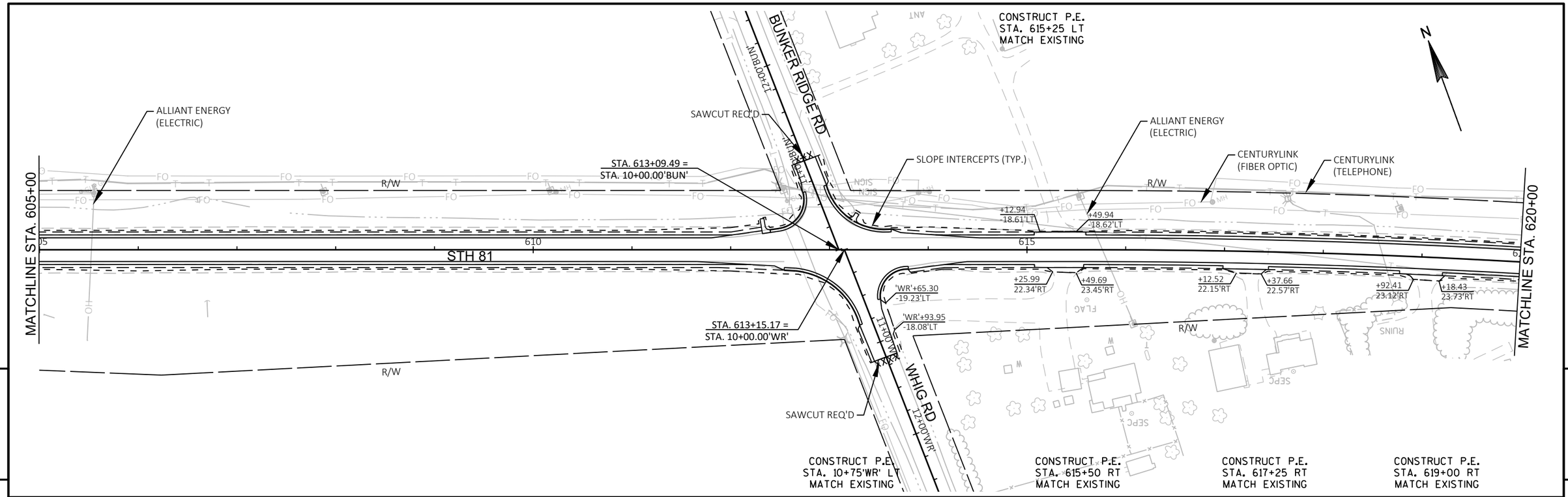


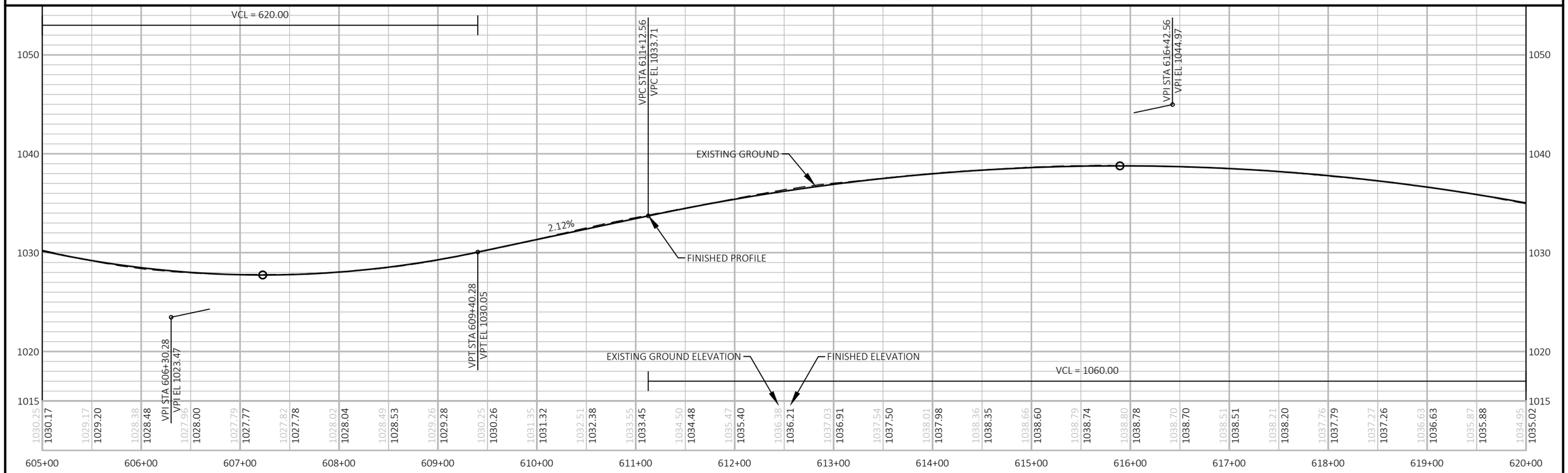
CONSTRUCT F.E.
STA. 590+25 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 604+50 RT
MATCH EXISTING



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

CONSTRUCT P.E.
STA. 628+50 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 634+75 LT
MATCH EXISTING

N

R/W

CENTURYLINK
(FIBER OPTIC)

ALLIANT ENERGY
(ELECTRIC)

SLOPE INTERCEPTS (TYP.)

CENTURYLINK
(TELEPHONE)

MATCHLINE STA. 620+00

STH 81

625

630

+44.38
-25.15'LT

+66.42
-25.51'LT

+73.29
-28.38'LT

+56.20
-28.20'LT

+37.51
19.67'RT

+62.81
19.57'RT

SAWCUT REQ'D

ALLIANT ENERGY
(ELECTRIC)

R/W

MATCHLINE STA. 635+00

CAUTION

NORTHERN NATURAL GAS
(GAS)

CONSTRUCT F.E.
STA. 631+50 RT
MATCH EXISTING

5

5

VCL = 445.00

VPT STA 621+72.56
VPT EL 1031.20

-2.60%

FINISHED PROFILE

VPC STA 625+95.70
VPC EL 1020.21

VPI STA 628+18.20
VPI EL 1014.43

VPT STA 630+40.70
VPT EL 1015.42

0.45%

VPC STA 634+36.77
VPC EL 1017.19

EXISTING GROUND

VCL = 1060.00

EXISTING GROUND ELEVATION

FINISHED ELEVATION

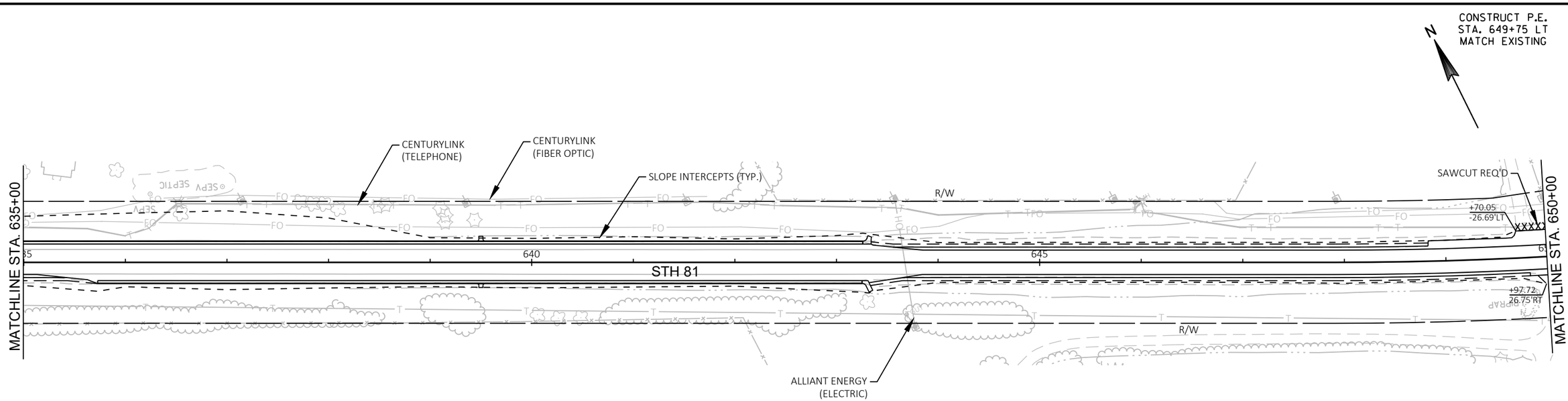
VCL = 850.00

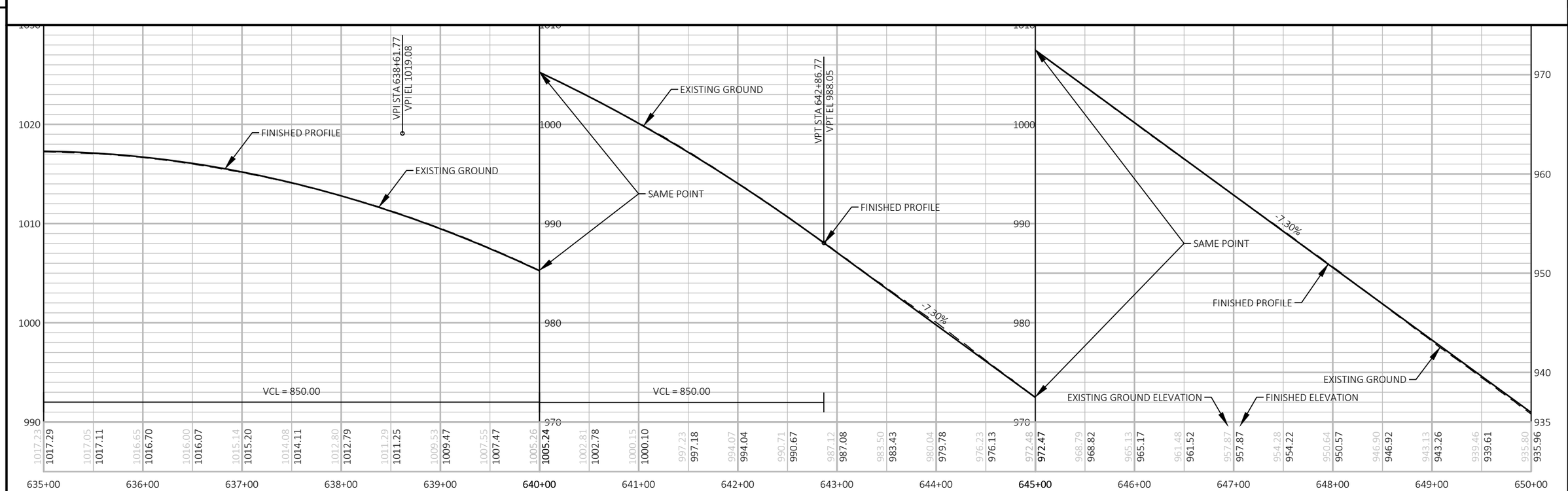
620+00	621+00	622+00	623+00	624+00	625+00	626+00	627+00	628+00	629+00	630+00	631+00	632+00	633+00	634+00	635+00
EXISTING GROUND	1034.95	1033.93	1032.81	1031.63	1030.44	1029.20	1027.89	1026.61	1025.30	1023.94	1022.65	1021.38	1020.12	1018.96	1017.89	1016.98	1016.29	1015.78	1015.44	1015.27	1015.30	1015.42	1015.60	1015.92	1016.18	1016.38	1016.58	1016.78	1017.01	1017.26	1017.23
FINISHED	1035.02	1034.05	1032.97	1031.78	1030.49	1029.19	1027.89	1026.59	1025.29	1023.99	1022.69	1021.40	1020.10	1018.90	1017.87	1017.01	1016.33	1015.81	1015.47	1015.30	1015.29	1015.46	1015.68	1015.91	1016.13	1016.35	1016.58	1016.80	1017.02	1017.24	1017.29

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

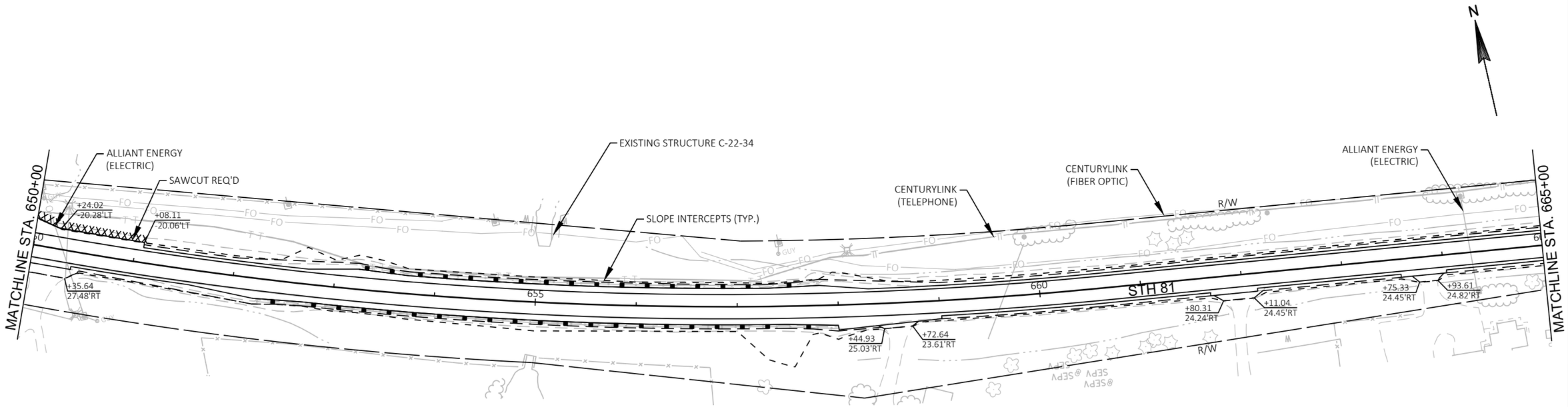
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 30

PLOT DATE : 10/30/2019 12:18 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE: 1 IN:100 FT





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E



5

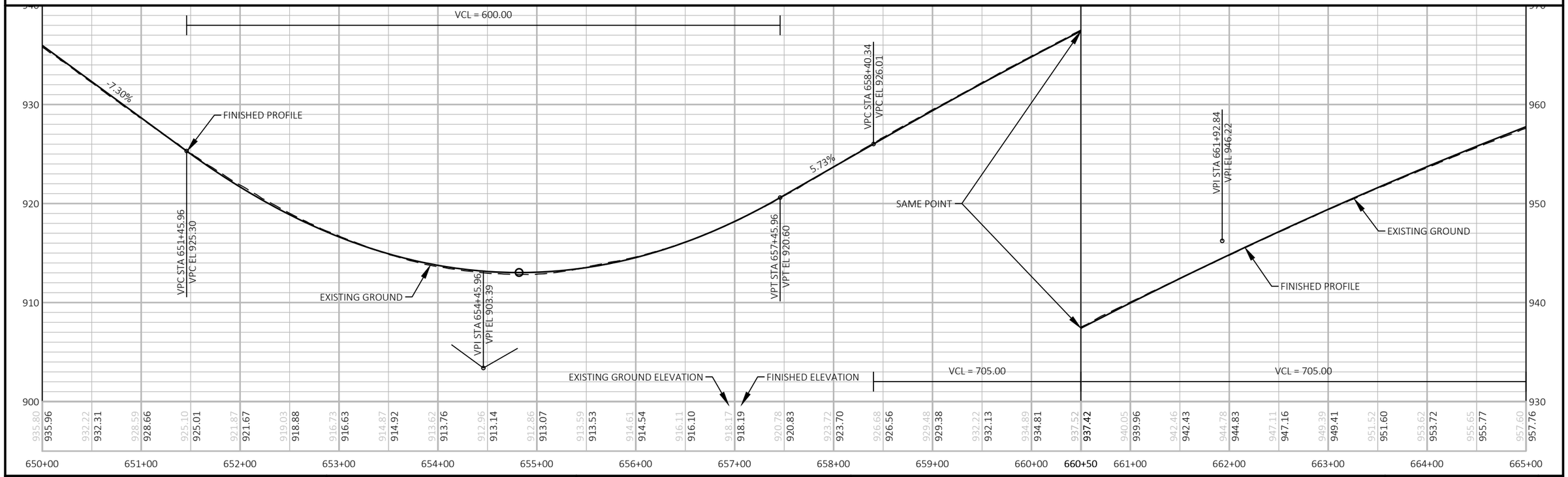
CONSTRUCT P.E.
STA. 650+25 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 658+75 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 662+00 RT
MATCH EXISTING

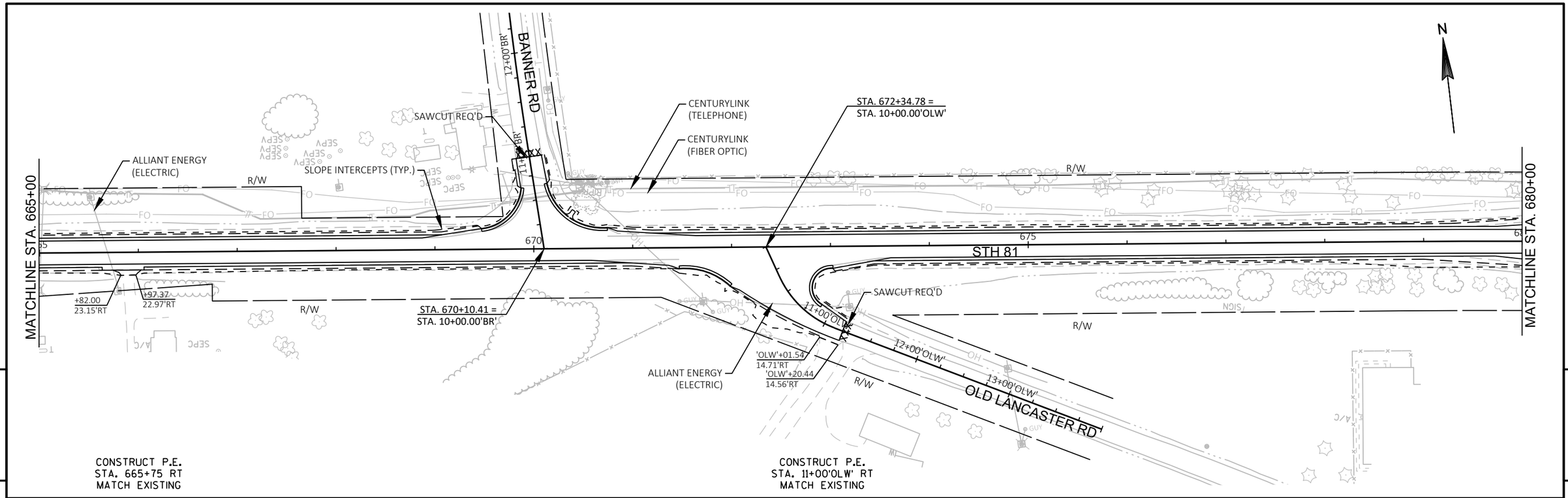
CONSTRUCT P.E.
STA. 663+75 RT
MATCH EXISTING

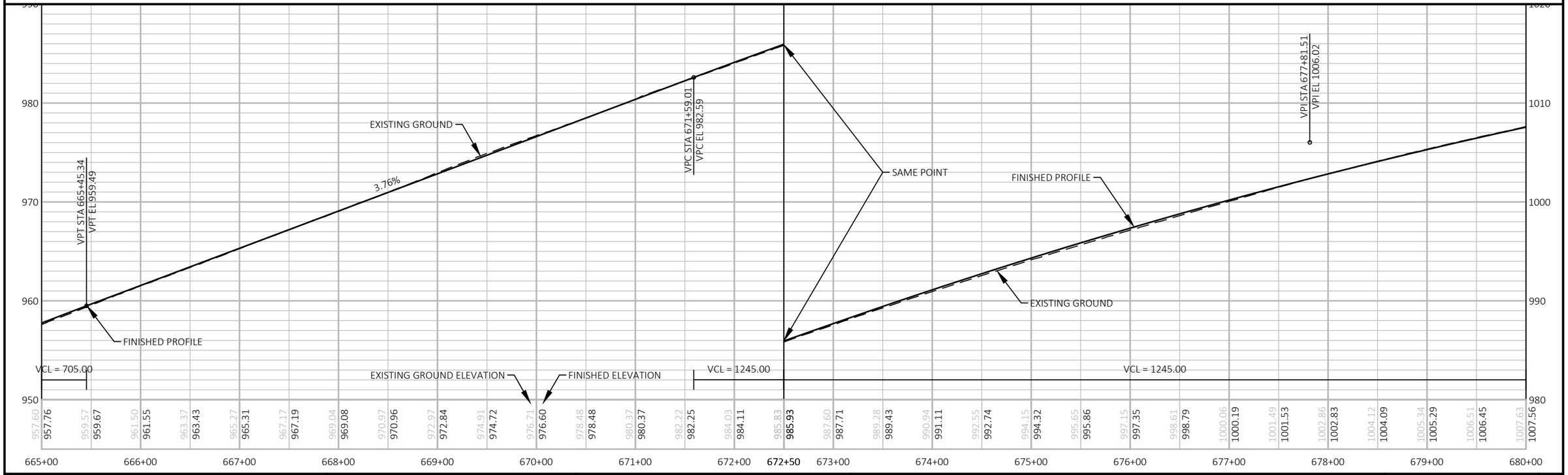
5



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 32
PLOT DATE : 10/30/2019 12:20 PM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE: 1 IN:100 FT
WISDOT/CADDS SHEET 44

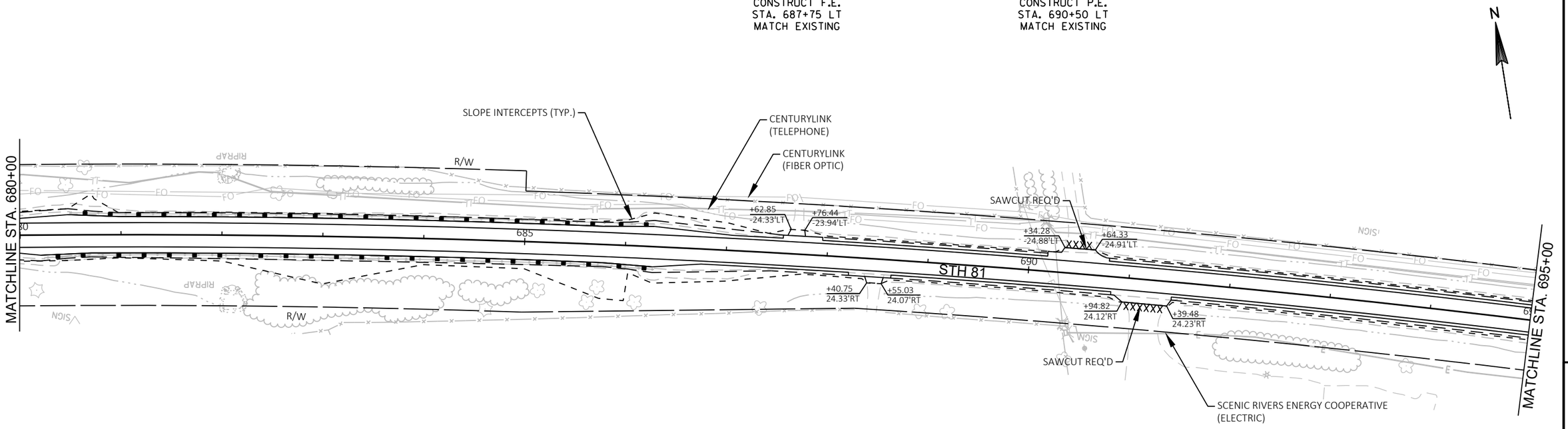




PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

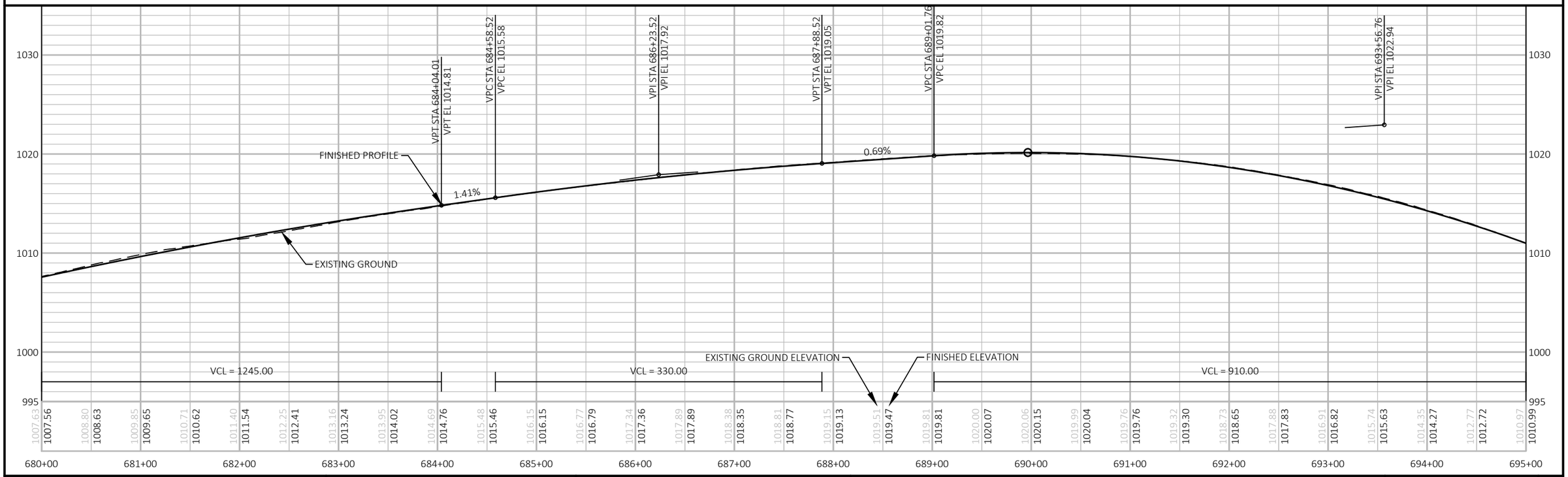
CONSTRUCT F.E.
STA. 687+75 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 690+50 LT
MATCH EXISTING



CONSTRUCT F.E.
STA. 688+50 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 691+25 RT
MATCH EXISTING



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

CONSTRUCT P.E.
STA. 696+75 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 700+75 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 707+75 LT
MATCH EXISTING

N

MATCHLINE STA. 695+00

+68.35
-23.91'LT

+91.71
-24.15'LT

+57.41
-23.46'LT

+07.19
-23.31'LT

CENTURYLINK
(FIBER OPTIC)

CENTURYLINK
(TELEPHONE)

SLOPE INTERCEPTS (TYP.)

SAWCUT REQ'D

R/W

+47.35
-24.49'LT

+77.15
-24.47'LT

700

705

STH 81

+63.08
24.38'RT

+90.75
24.20'RT

SCENIC RIVERS ENERGY COOPERATIVE
(ELECTRIC)

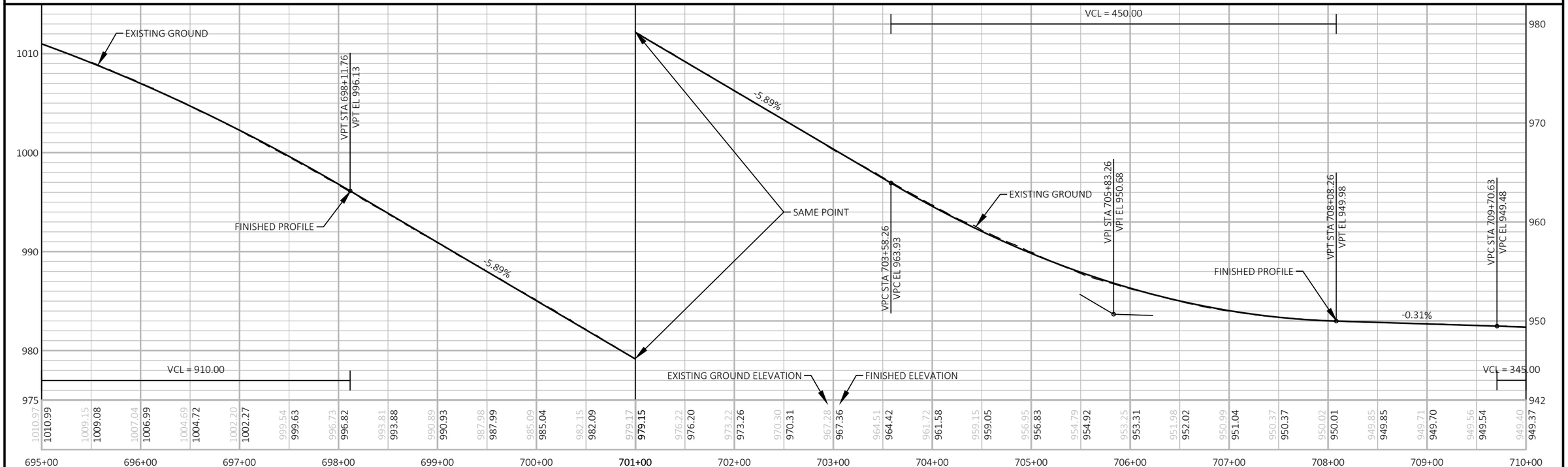
R/W

MATCHLINE STA. 710+00

5

5

CONSTRUCT P.E.
STA. 700+75 RT
MATCH EXISTING



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 35

PLOT DATE : 10/30/2019 12:22 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE: 1 IN:100 FT

WISDOT/CADDS SHEET 44

CONSTRUCT F.E.
STA. 716+25 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 722+50 LT
MATCH EXISTING

CONSTRUCT F.E.
STA. 725+00 LT
MATCH EXISTING

N

CENTURYLINK
(FIBER OPTIC)

CENTURYLINK
(TELEPHONE)

SLOPE INTERCEPTS (TYP.)

SCENIC RIVERS ENERGY COOPERATIVE
(ELECTRIC)

SAWCUT REQ'D

MATCHLINE STA. 710+00

MATCHLINE STA. 725+00

R/W

+22.05
-25.64'LT

+40.67
-25.84'LT

+26.61
-22.86'LT

XXXXXXXXXXX

+01.91
-22.20'LT

+85.32
-19.73'LT

710

715

720

725

STH 81

R/W

RIPRAP

RIPRAP

5

5

950
940
930
920
912

VPI STA 711+43.13
VPI EL 948.95

VPT STA 713+15.63
VPT EL 945.68

-1.90%

VPC STA 720+01.05
VPC EL 932.67

VPI STA 722+71.05
VPI EL 927.55

FINISHED PROFILE

EXISTING GROUND

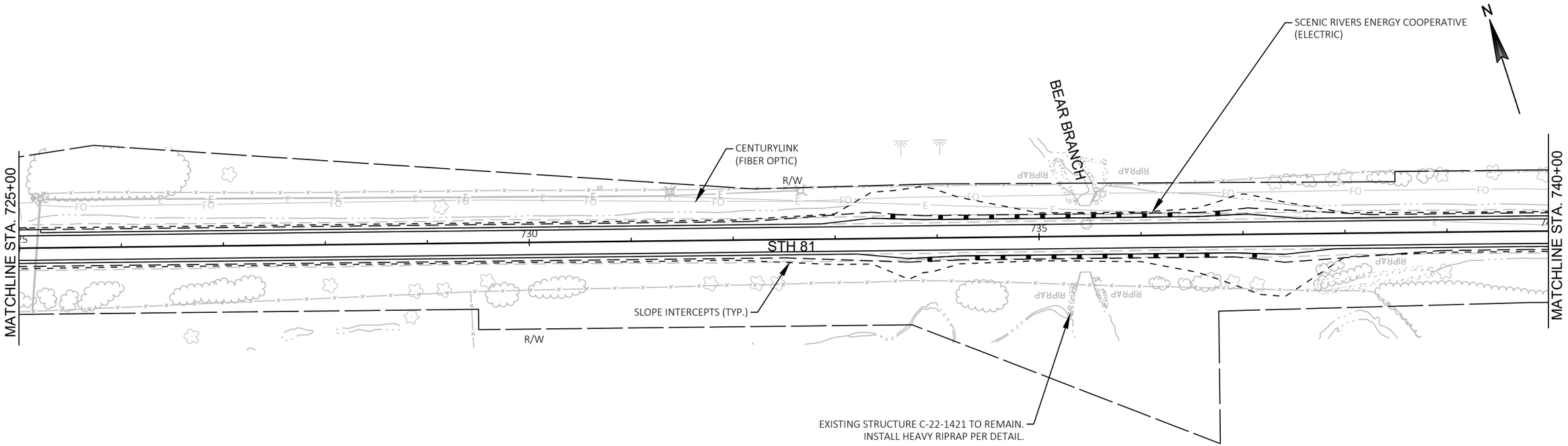
VCL = 345.00

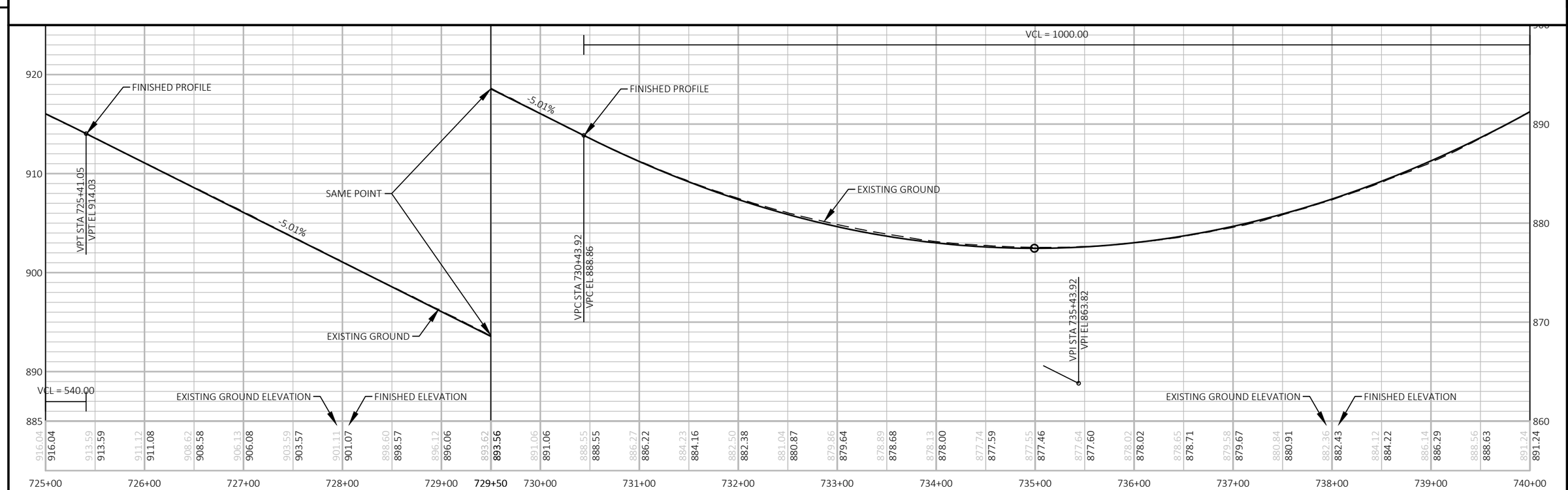
EXISTING GROUND ELEVATION

FINISHED ELEVATION

VCL = 540.00

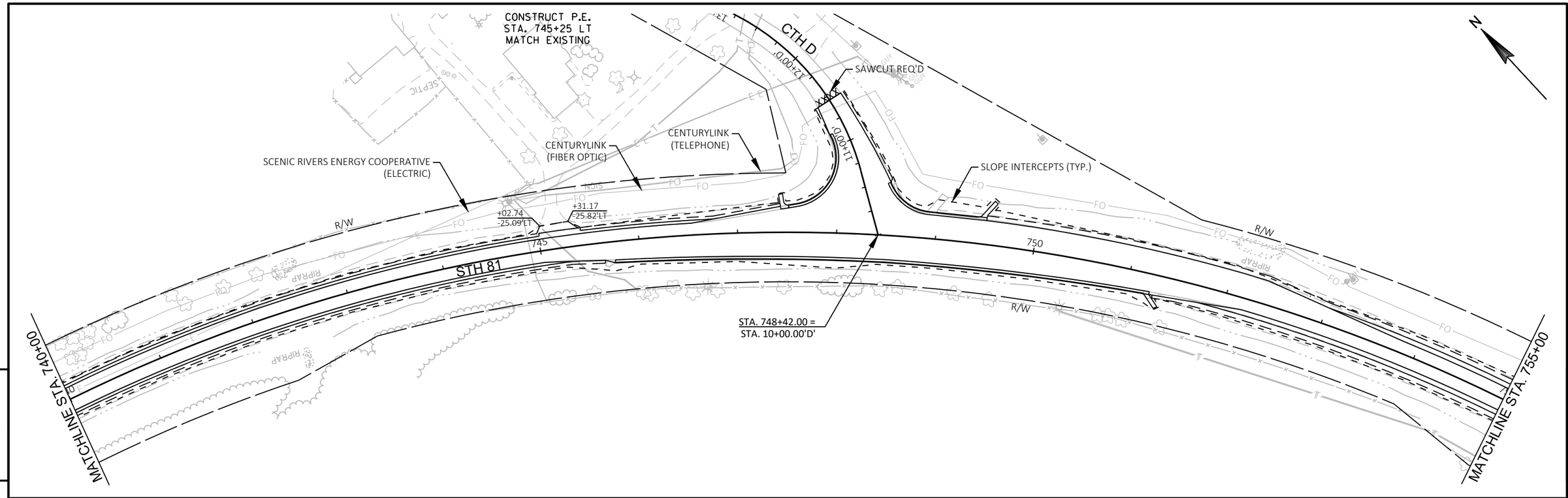
| | | |

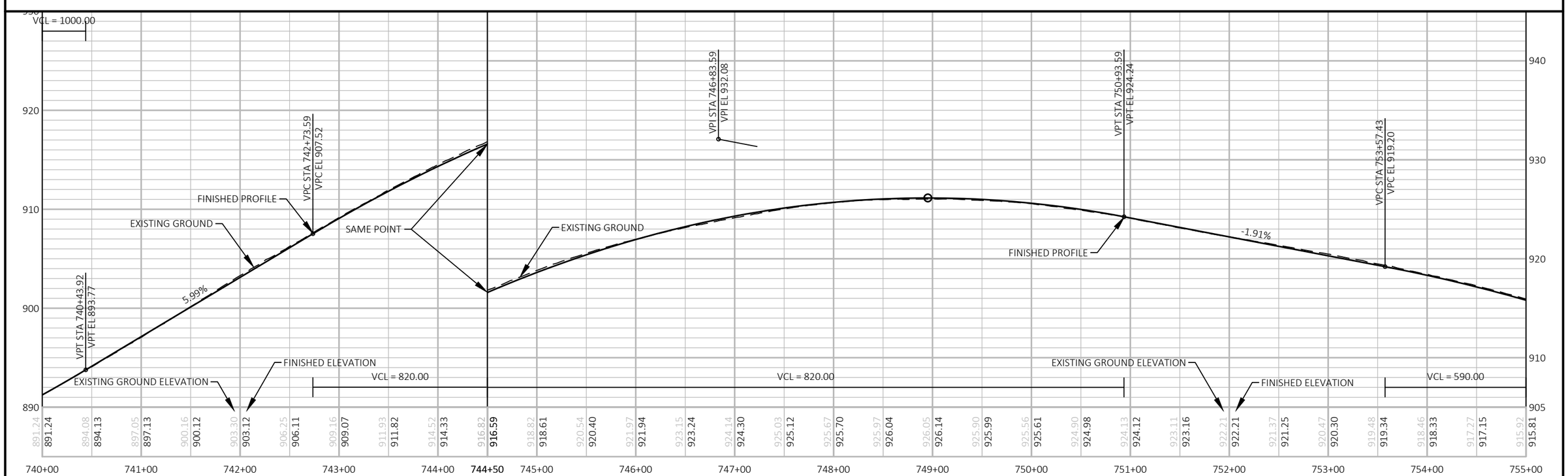




PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 37
PLOT DATE : 10/30/2019 12:24 PM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE: 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET E

CONSTRUCT F.E.
STA. 755+50 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 762+75 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 764+25 LT
MATCH EXISTING

SCENIC RIVERS ENERGY COOPERATIVE (ELECTRIC)

CENTURYLINK (FIBER OPTIC)

BEGIN CONSTRUCTION
STA. 769+23.47

EXISTING STRUCTURE B-22-227 TO REMAIN.
REMOVE AND REPLACE CONCRETE APPROACH SLABS.

MATCHLINE STA. 755+00

+37.21 -31.60'LT

+56.27 -31.90'LT

R/W

STA. 764+01.80 =
STA. 10+00.00'RVL'

+59.08 -28.77'LT

+99.76 -29.54'LT

+11.36 -32.13'LT

+33.16 -32.13'LT

SAWCUT REQ'D

SAWCUT REQ'D

SAWCUT REQ'D

760

STH 81

765

MATCHLINE STA. 770+00

+94.67 28.06'RT

+16.12 28.03'RT

SAWCUT REQ'D

R/W

SLOPE INTERCEPTS (TYP.)

CENTURYLINK (TELEPHONE)

SCENIC RIVERS ENERGY COOPERATIVE (ELECTRIC)

RIVER VALLEY LN

11±00'RVL'

SAWCUT REQ'D

LITTLE PLATTE RIVER

R/W

END CONSTRUCTION
STA. 767+76.85

CONSTRUCT P.E.
STA. 758+00 RT
MATCH EXISTING

EXISTING GROUND

VCL = 1560.00

VCL = 1560.00

VPI STA 756+52.43
VPI EL 913.56

VPT STA 759+47.43
VPT EL 896.54

FINISHED PROFILE

-5.77%

VPC STA 760+45.57
VPC EL 890.87

EXISTING GROUND ELEVATION
VCL = 590.00

FINISHED ELEVATION

FINISHED PROFILE

EXISTING GROUND

SAME POINT

VPI STA 768+25.57
VPI EL 845.86

EXISTING GROUND ELEVATION

FINISHED ELEVATION

920 910 900 890 880

880 870 860 850 845

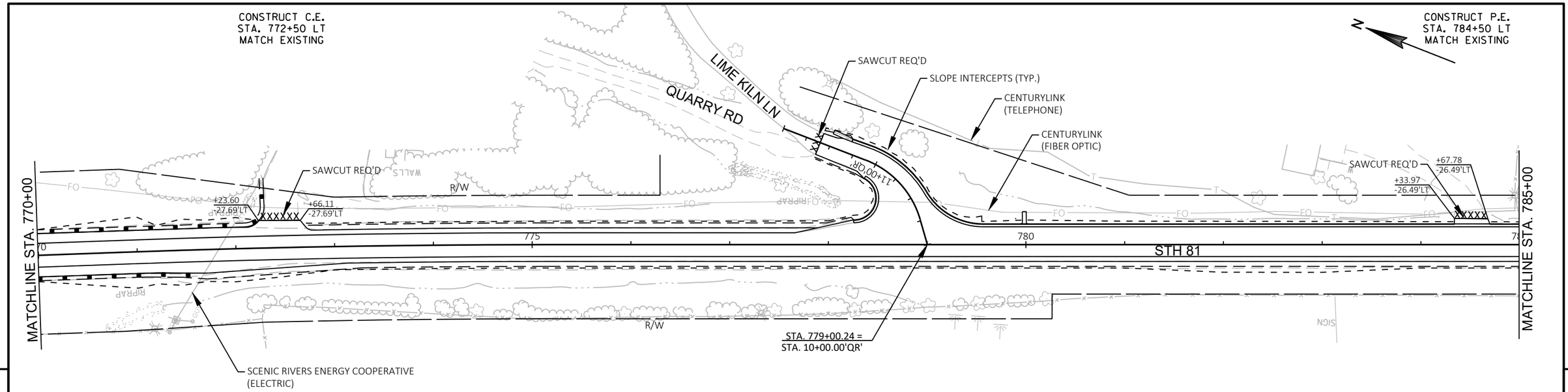
915.92 915.81 914.39 914.31 912.64 912.64 910.79 910.81 908.77 908.81 906.62 906.66 904.29 904.33 901.83 901.85 899.23 899.20 896.43 896.39 893.50 893.50 890.60 890.62 887.77 887.84 885.16 885.24 882.77 882.83 880.49 880.59 878.44 878.54 876.52 876.66 874.74 874.97 873.28 873.46 871.91 872.13 870.77 870.98 869.86 870.01 869.10 869.23 868.59 868.62 868.33 868.20 867.95 867.89 868.01 868.42 868.31 868.84 868.79

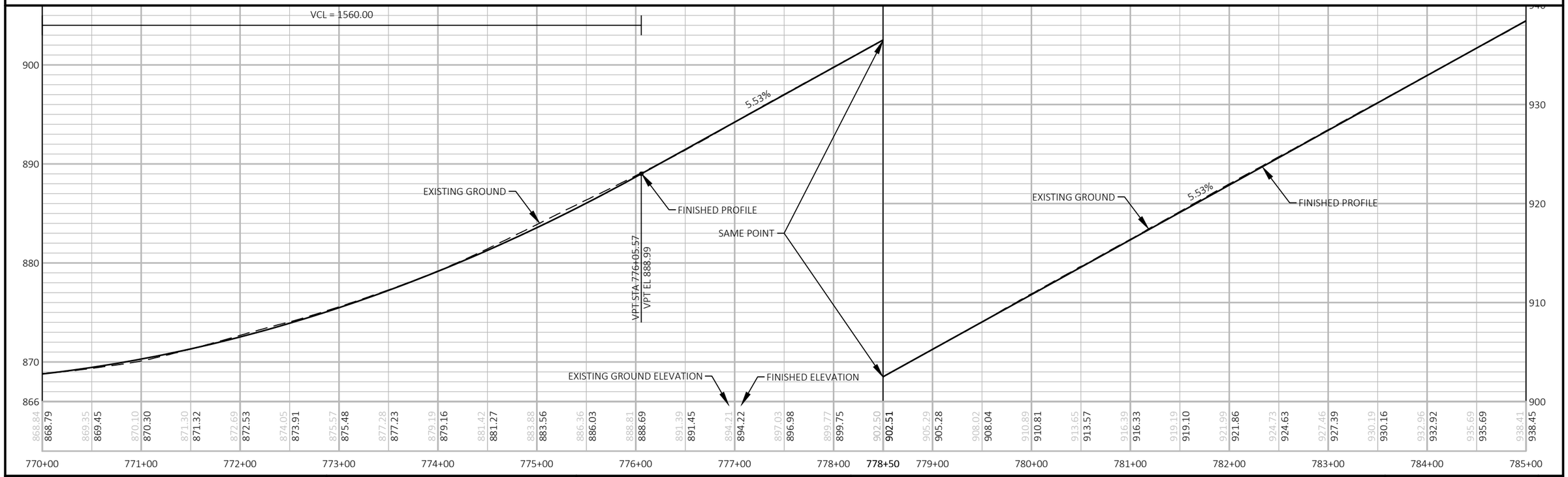
755+00 756+00 757+00 758+00 759+00 760+00 761+00 762+00 762+50 763+00 764+00 765+00 766+00 767+00 768+00 769+00 770+00

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050101_PP_STH81.DWG
LAYOUT NAME - 39

PLOT DATE : 10/30/2019 12:26 PM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE: 1 IN:100 FT





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

CONSTRUCT P.E.
STA. 787+00 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 791+75 LT
MATCH EXISTING

CONSTRUCT C.E.
STA. 797+00 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 798+50 LT
MATCH EXISTING

CONSTRUCT P.E.
STA. 799+25 LT
MATCH EXISTING

MATCHLINE STA. 785+00

MATCHLINE STA. 800+00

STA. 796+92.79 =
STA. 10+00.00'OLE'

ALLIANT ENERGY
(ELECTRIC)

STH 81

R/W

+85.57
-28.58'LT

+21.38
-28.58'LT

+67.05
-25.63'LT

+82.14
-25.64'LT

+68.27
25.06'RT

+87.38
25.12'RT

+34.10
27.71'RT

+62.58
27.72'RT

+91.12
-24.22'LT

+19.74
-24.22'LT

+35.53
-22.00'LT

+78.95
-22.00'LT

+04.89
-23:88'LT

+28.53
-23.89'LT

+22.47
23.26'RT

+44.39
23.26'RT

+43.09
24.93'RT

+64.34
24.92'RT

OLE'+37.19
-30.99'LT

OLE'+58.54
-22.14'LT

SLOPE INTERCEPTS (TYP.)

CENTURYLINK
(TELEPHONE)

CENTURYLINK
(FIBER OPTIC)

NORTHERN NATURAL GAS
(GAS)

CAUTION

OLD LANCASTER RD

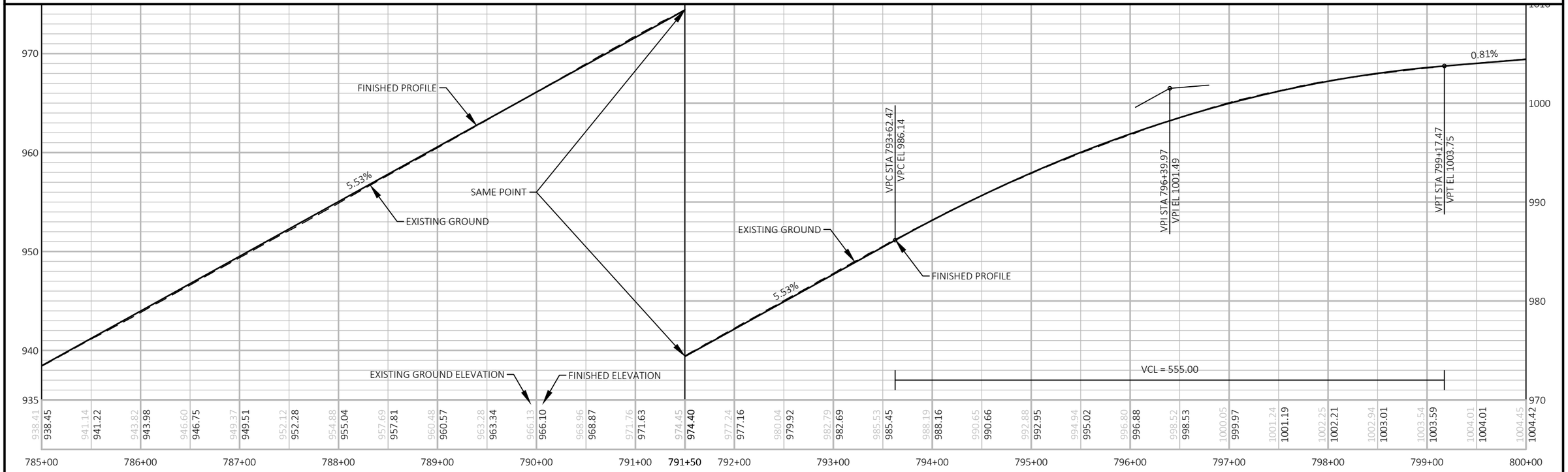
SAWCUT REQ'D (TYP.)

CONSTRUCT P.E.
STA. 787+75 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 792+50 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 798+25 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 799+50 RT
MATCH EXISTING



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: STH 81	SHEET	E

CONSTRUCT P.E.
STA. 804+75 LT
MATCH EXISTING

CONSTRUCT C.E.
STA. 806+50 LT
MATCH EXISTING

N

MATCHLINE STA. 800+00

SLOPE INTERCEPTS (TYP.)

R/W

+58.80
-30.46'LT

+75.65
-30.46'LT

+31.16
-31.32'LT

+62.80
-31.32'LT

805

STH 81

SAW CUT
REQUIRED (TYP.)

RIDGE AVE

+13.49
26.98'RT

+32.60
26.99'RT

+78.58
22.73'RT

+02.91
22.45'RT

+66.32
27.66'RT

+86.53
27.66'RT

R/W

+68.07
29.25'RT

+83.85
29.26'RT

+87.62
22.25'RT

+06.46
22.44'RT

RIDGE AVE

STH 81

MASON ST

HATHAWAY ST

5

5

CONSTRUCT P.E.
STA. 801+25 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 802+00 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 802+75 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 804+75 RT
MATCH EXISTING

CONSTRUCT P.E.
STA. 806+00 RT
MATCH EXISTING

END PROJECT
STA. 807+49.49

VPC STA 803+89.10
VPC EL 1007.59

VPI STA 804+79.10
VPI EL 1008.32

VPT STA 805+69.10
VPT EL 1007.76

STA 807+49.49
EL 1006.65

FINISHED PROFILE

0.81%

-0.62%

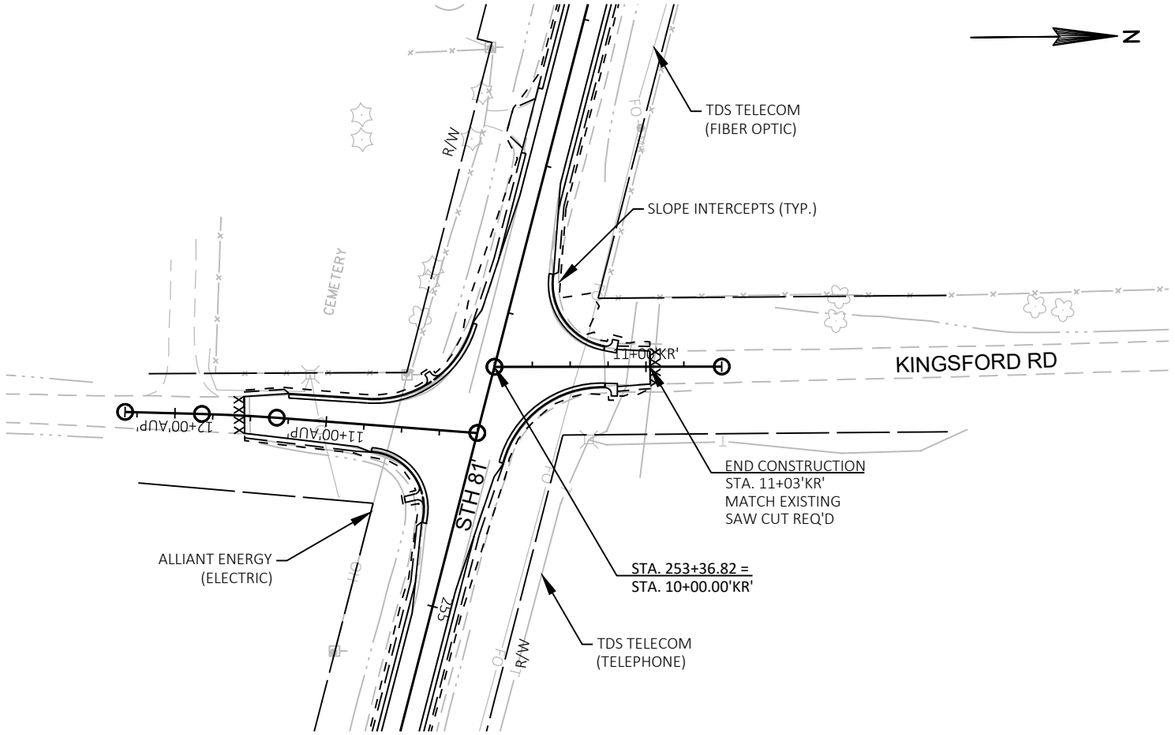
EXISTING GROUND

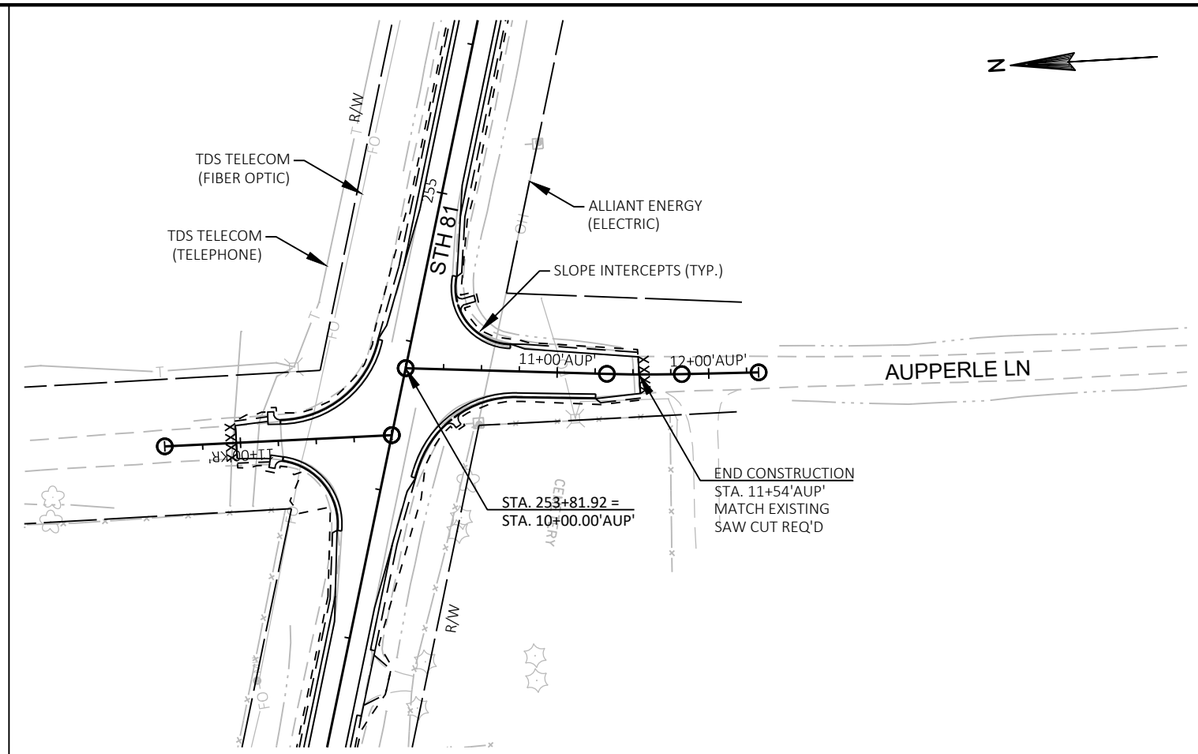
EXISTING GROUND ELEVATION

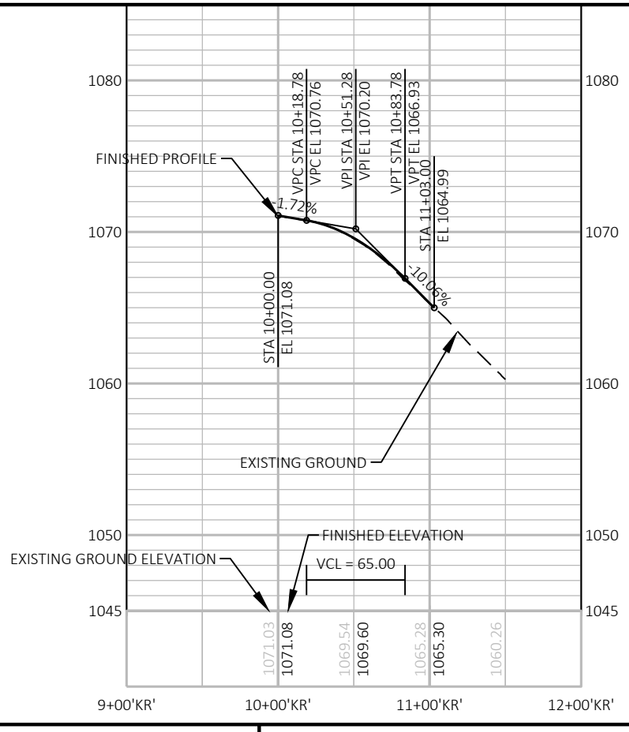
FINISHED ELEVATION

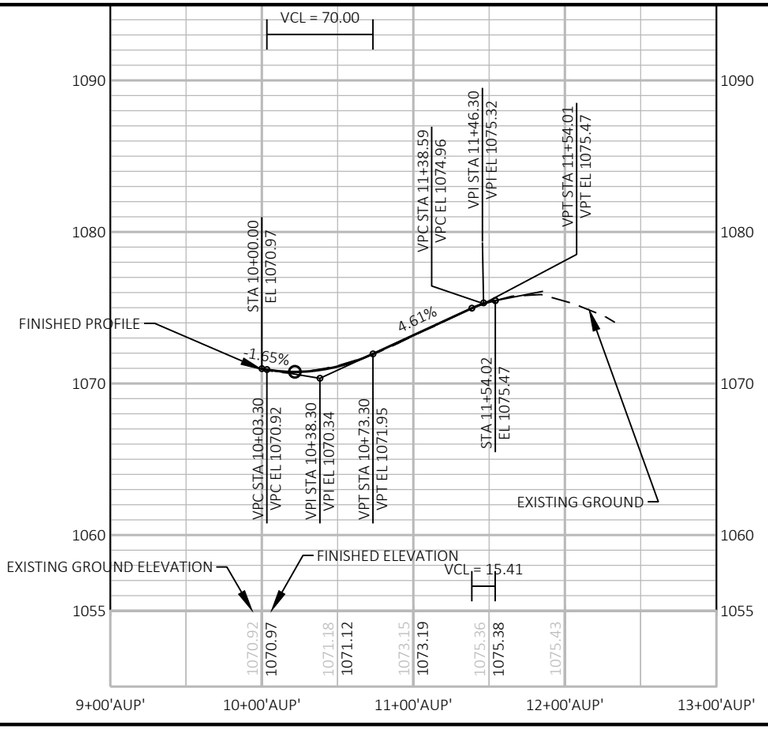
VCL = 180.00

| | | |

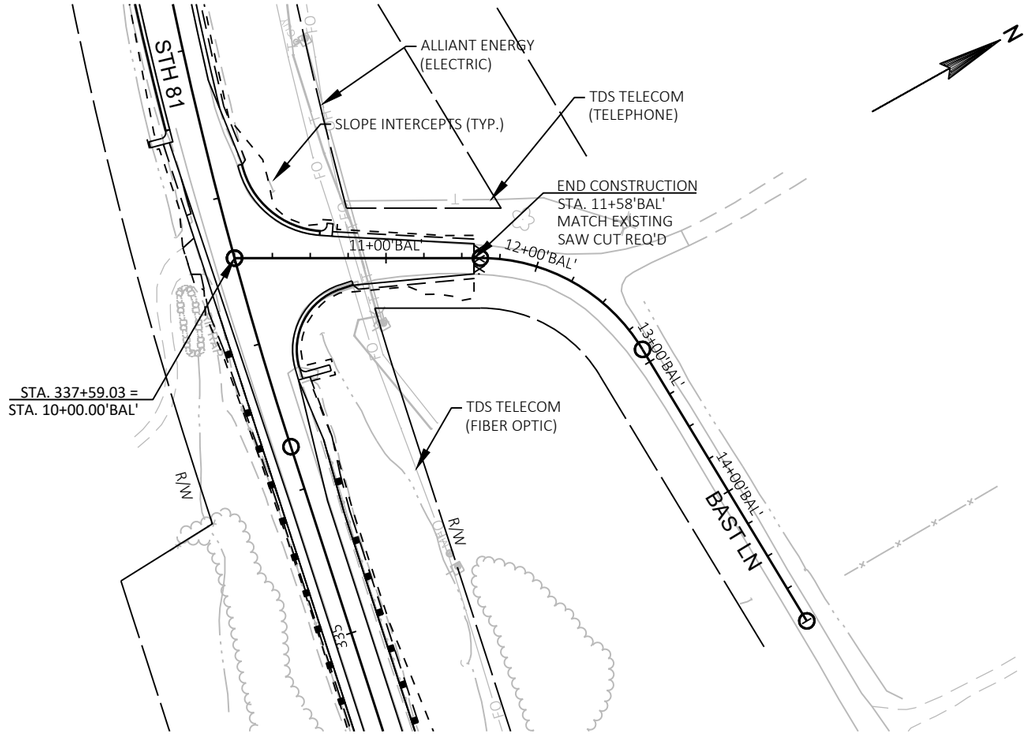


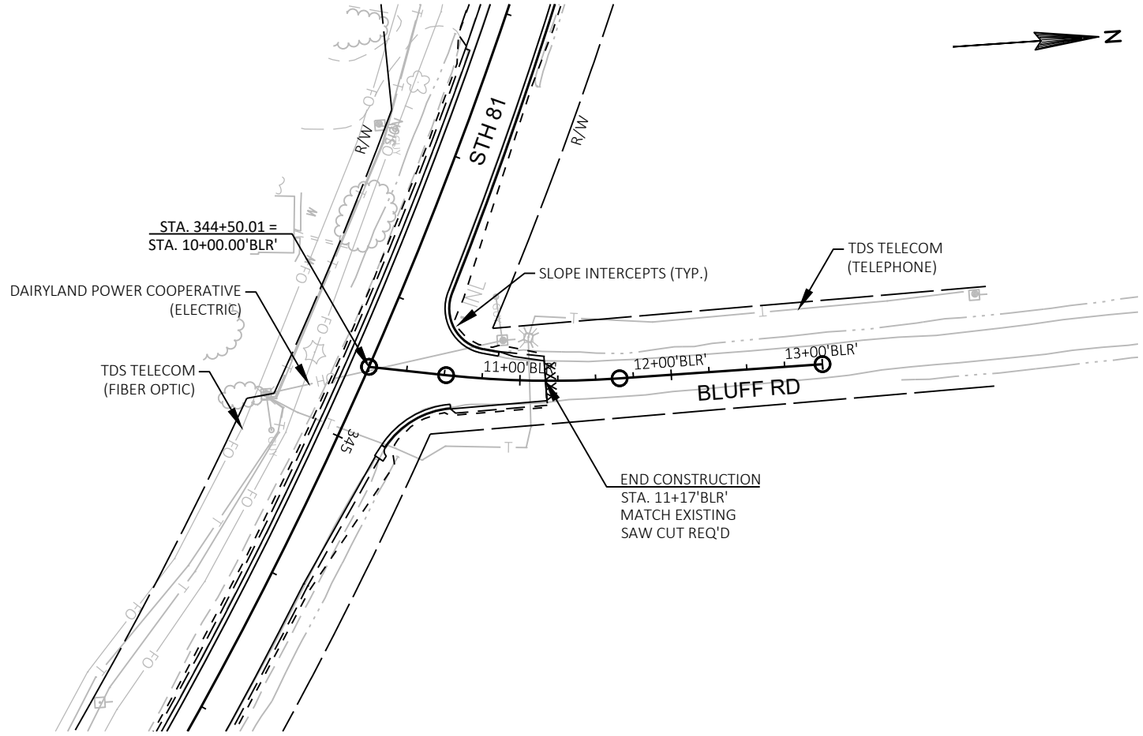


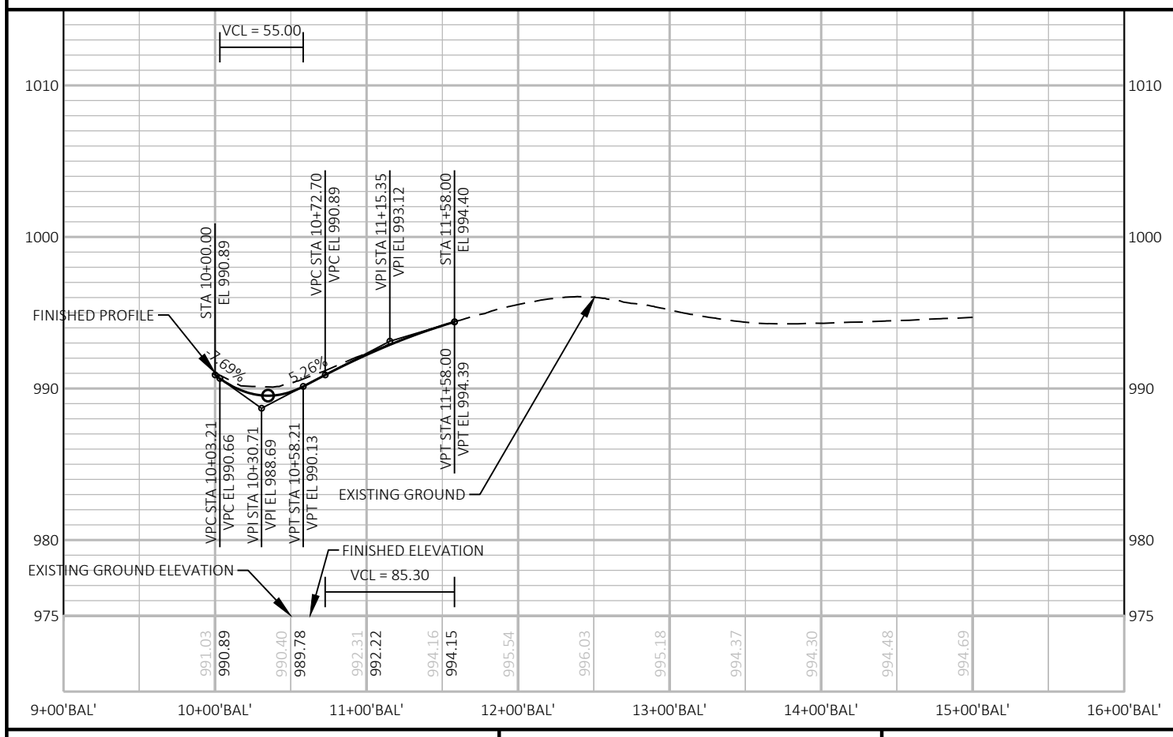


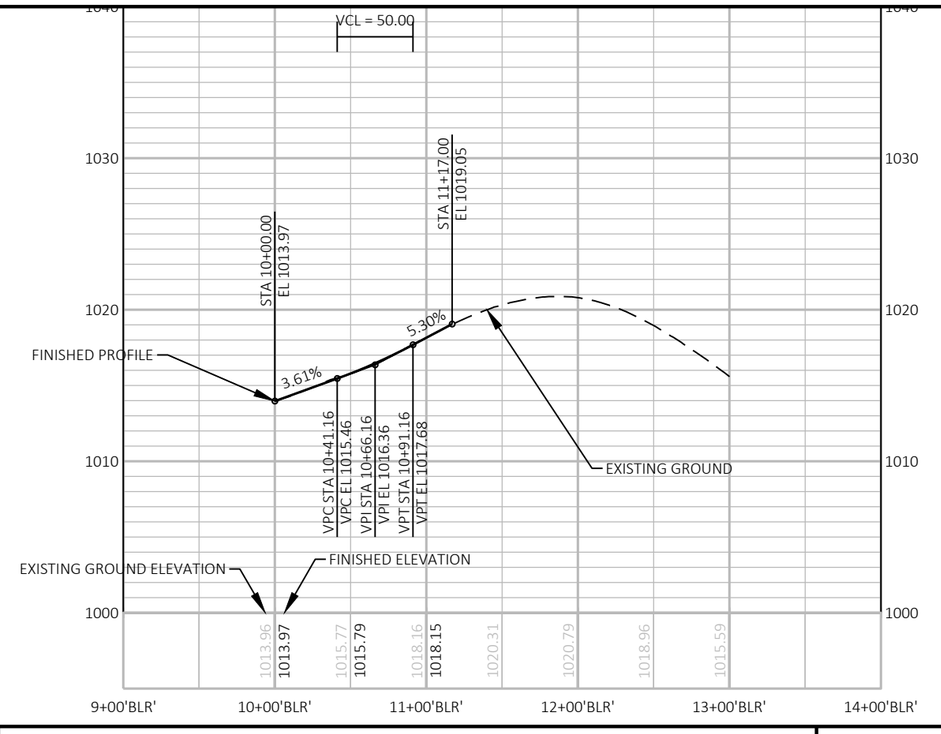


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: KINGSFORD RD AND AUPPERLE LN	SHEET E

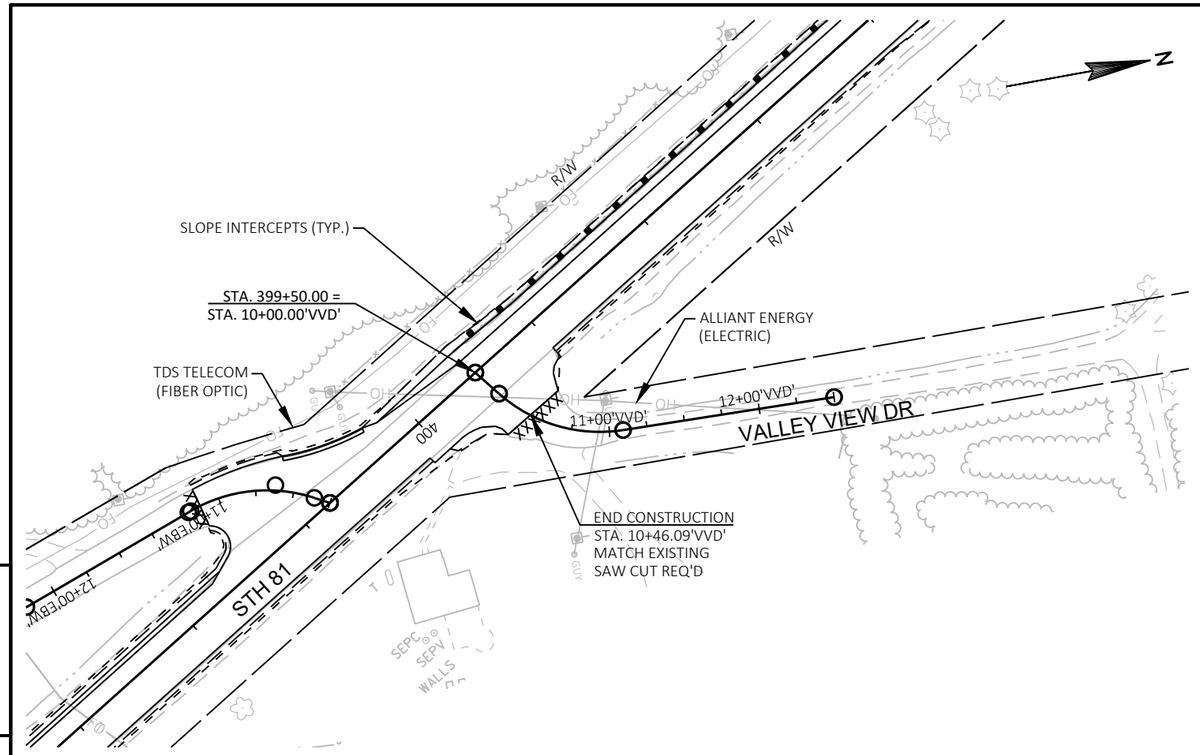


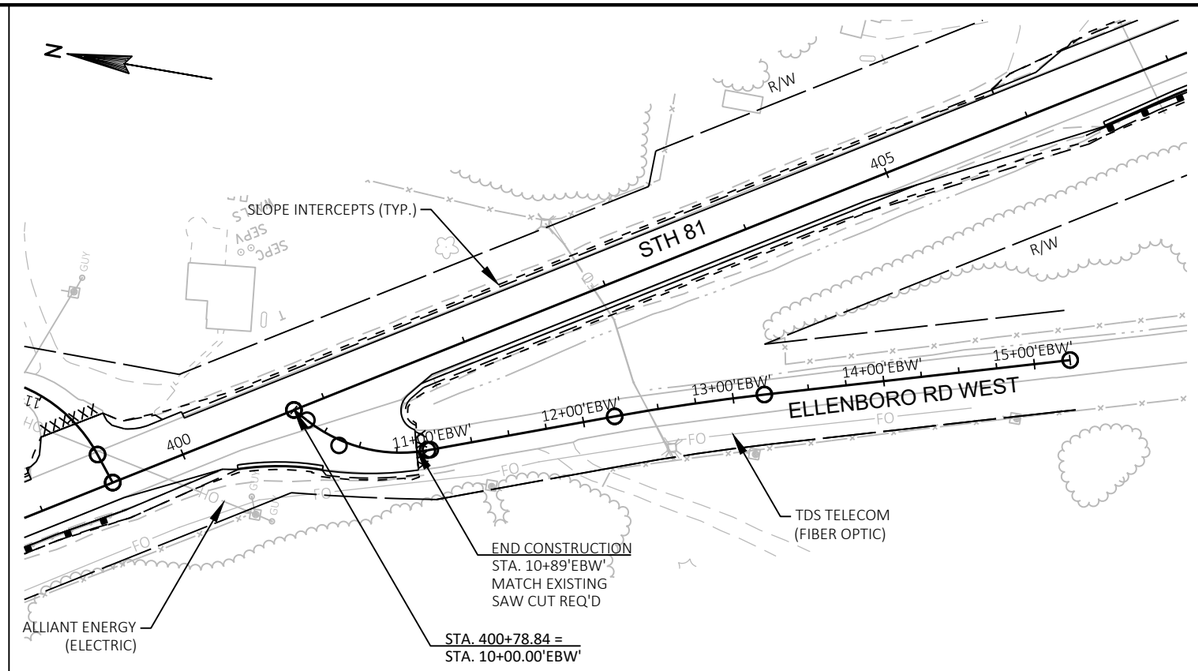


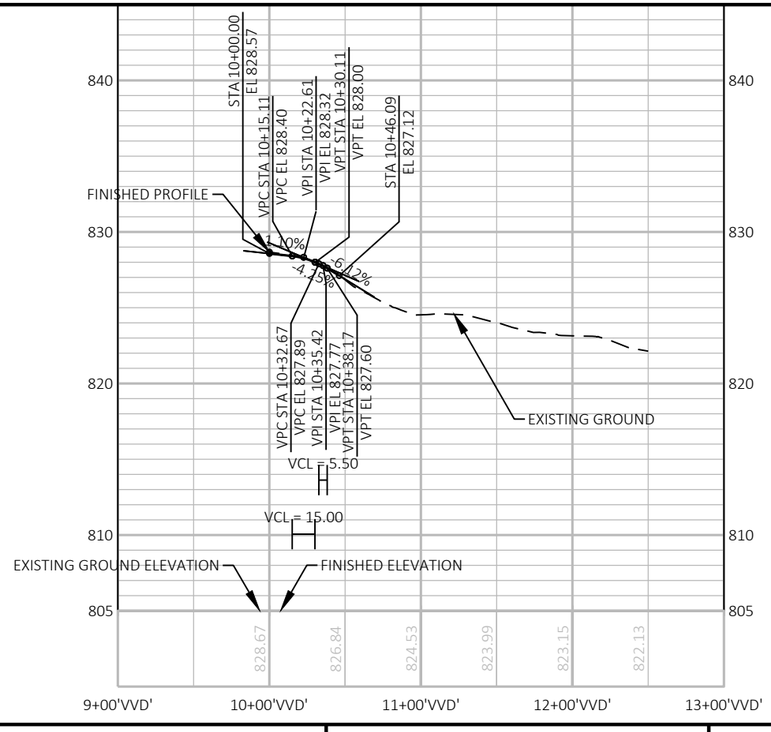


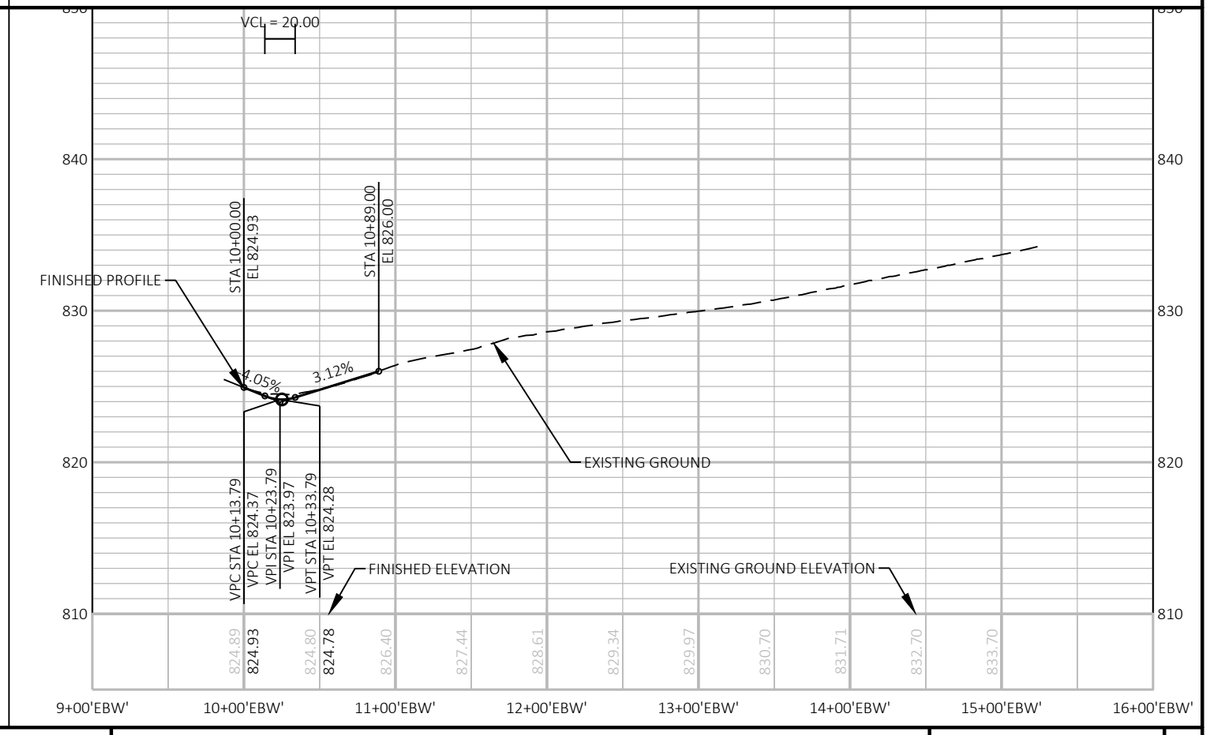


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: BAST LN AND BLUFF RD	SHEET E

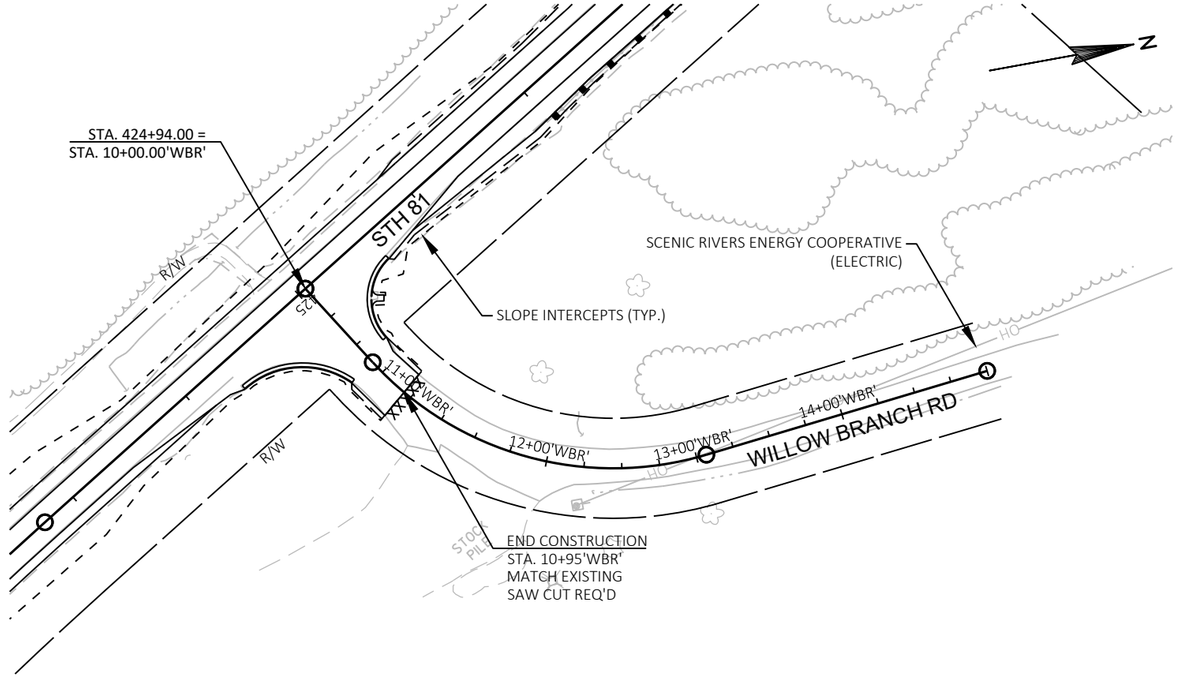


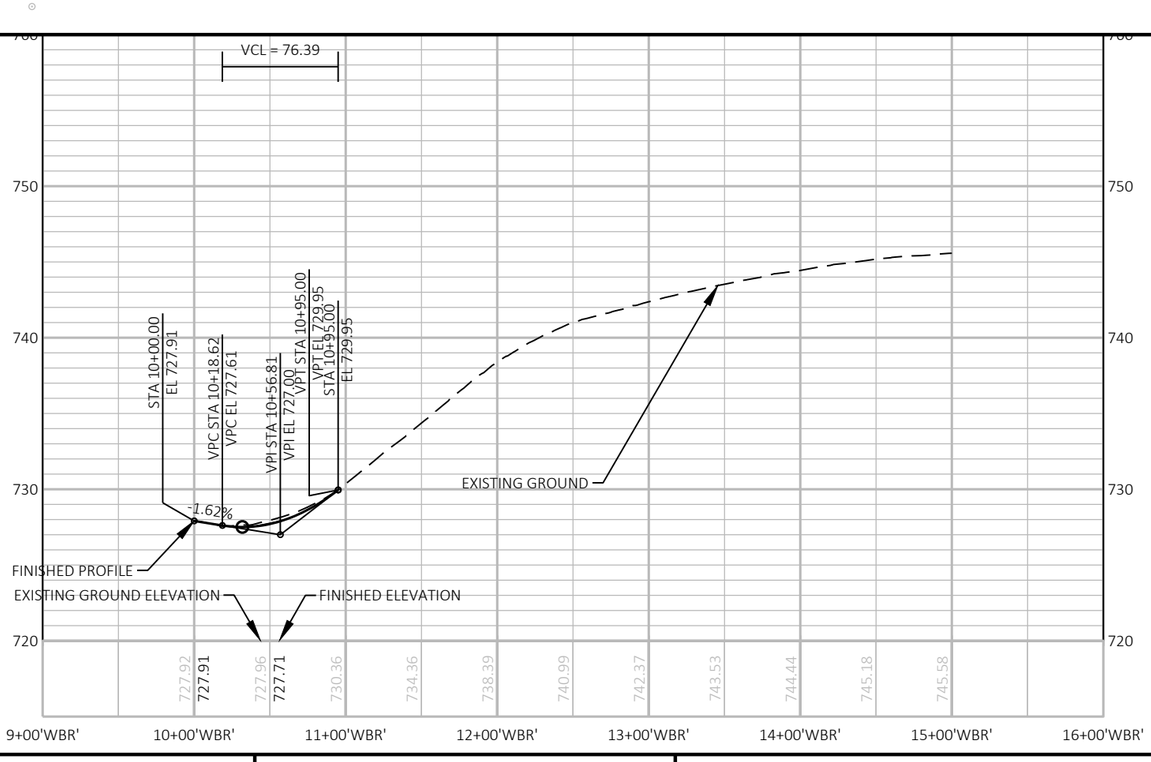




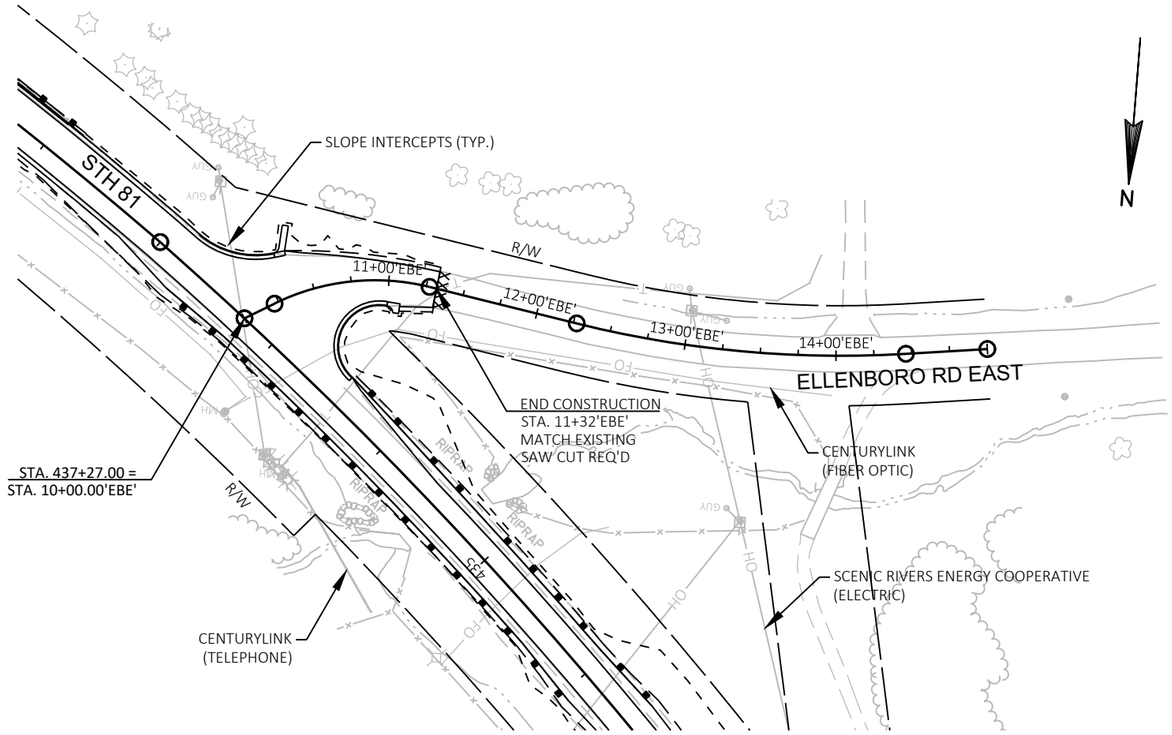


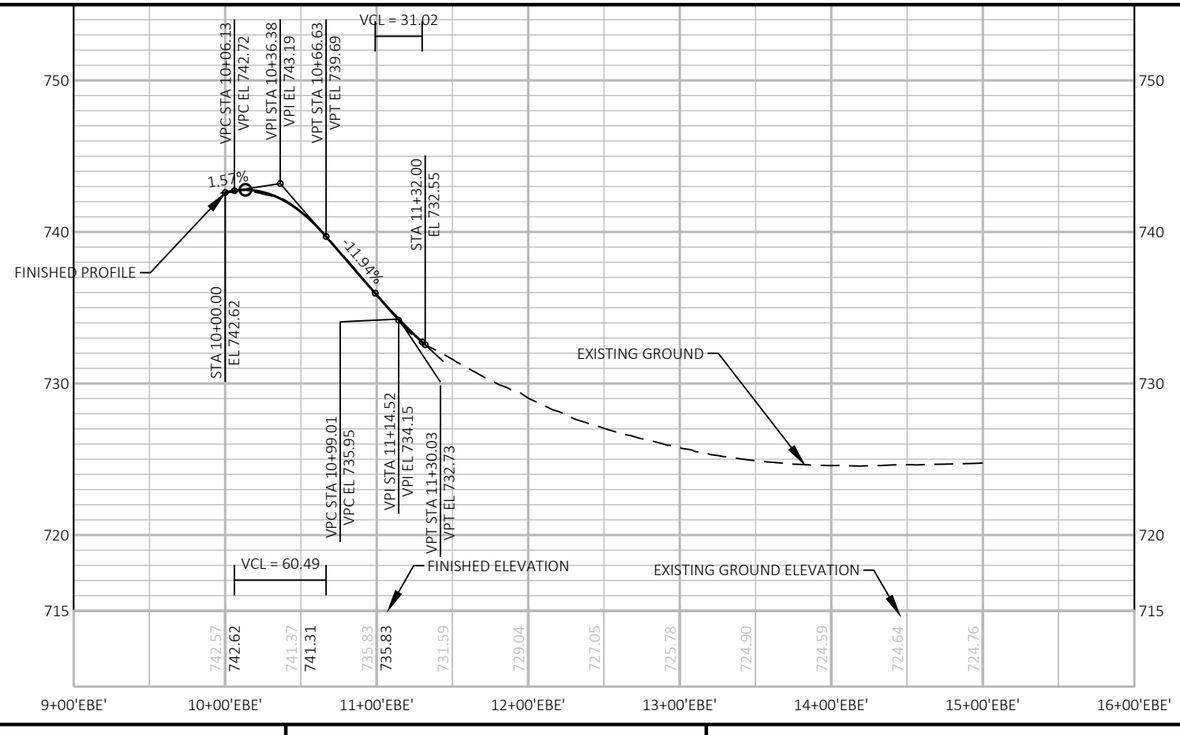
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: VALLEY VIEW DR AND ELLENBORO RD WEST	SHEET E



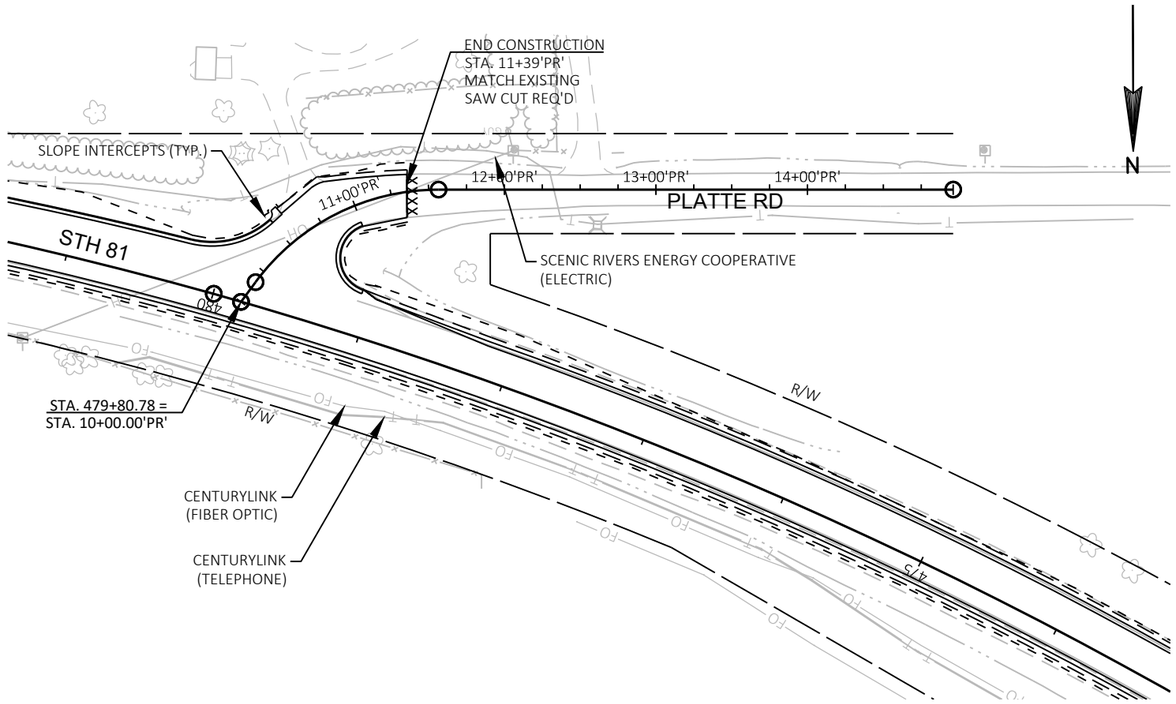


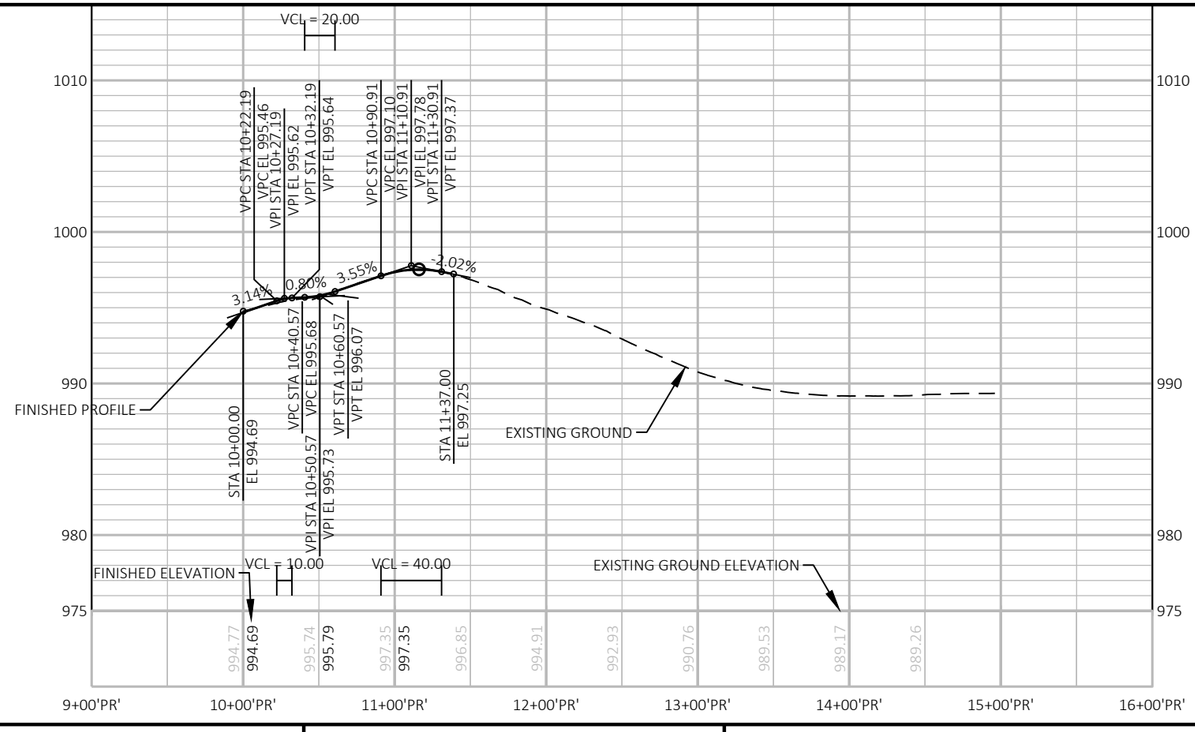
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: WILLOW BRANCH RD	SHEET	E



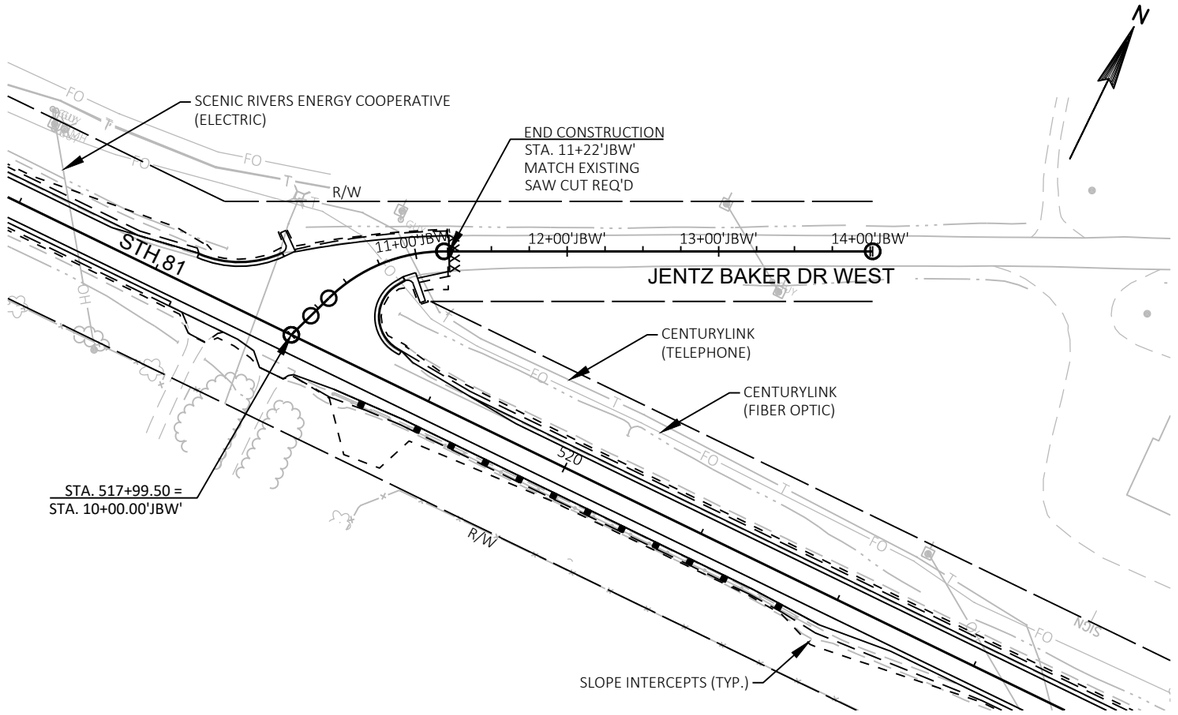


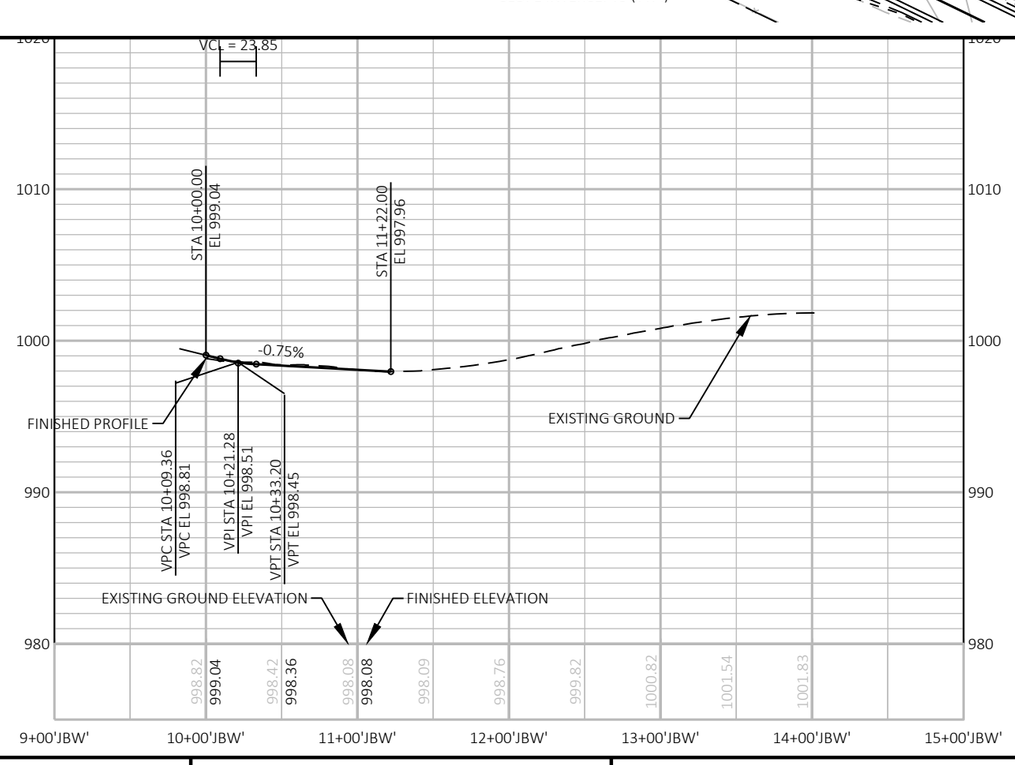
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: ELLENBORO RD EAST	SHEET	E





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: PLATTE RD	SHEET	E

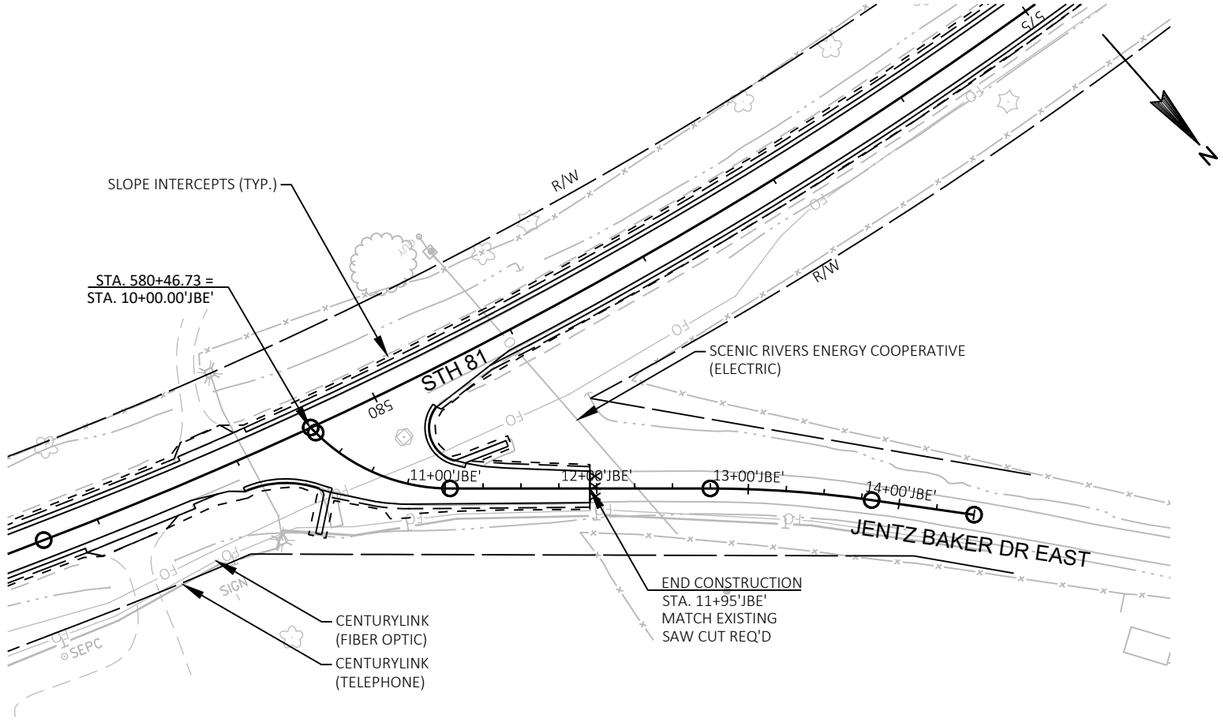


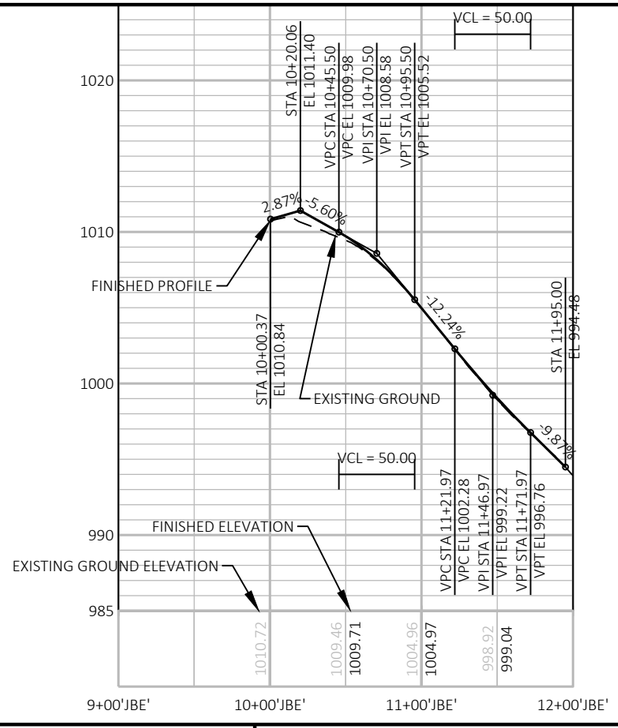


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: JENTZ BAKER DR WEST	SHEET	E

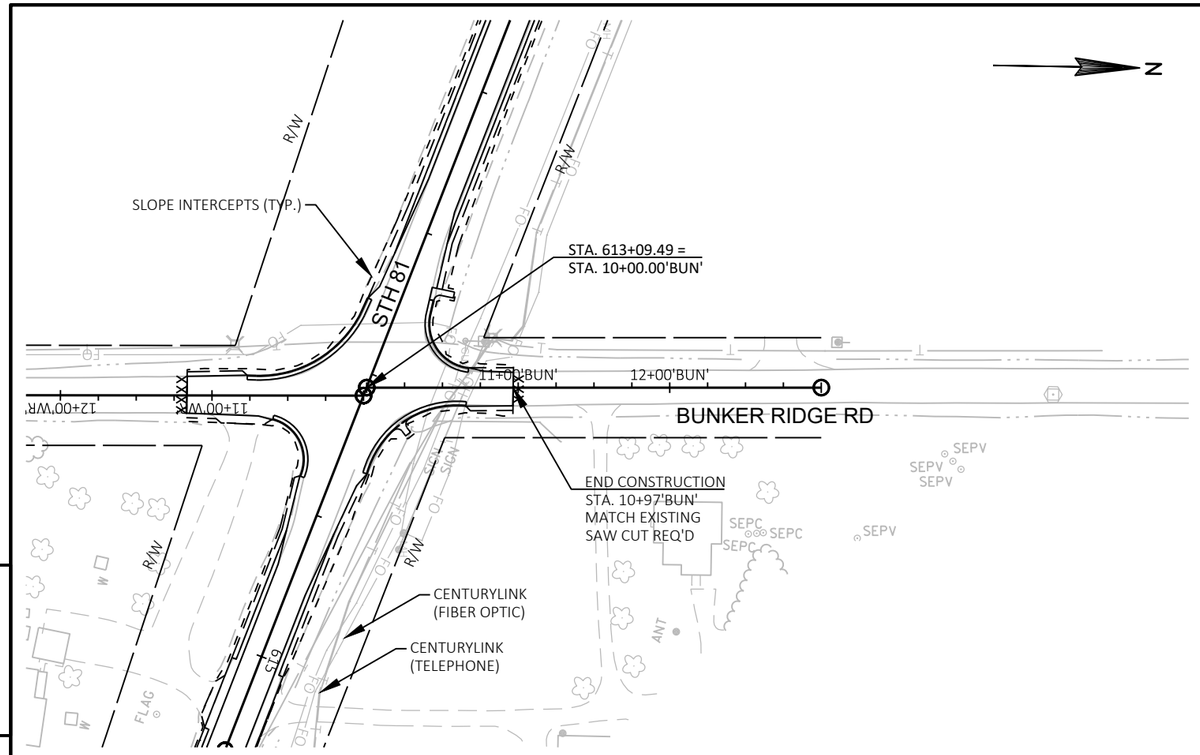
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050102_PP_SIDEROADS.DWG
LAYOUT NAME - s9

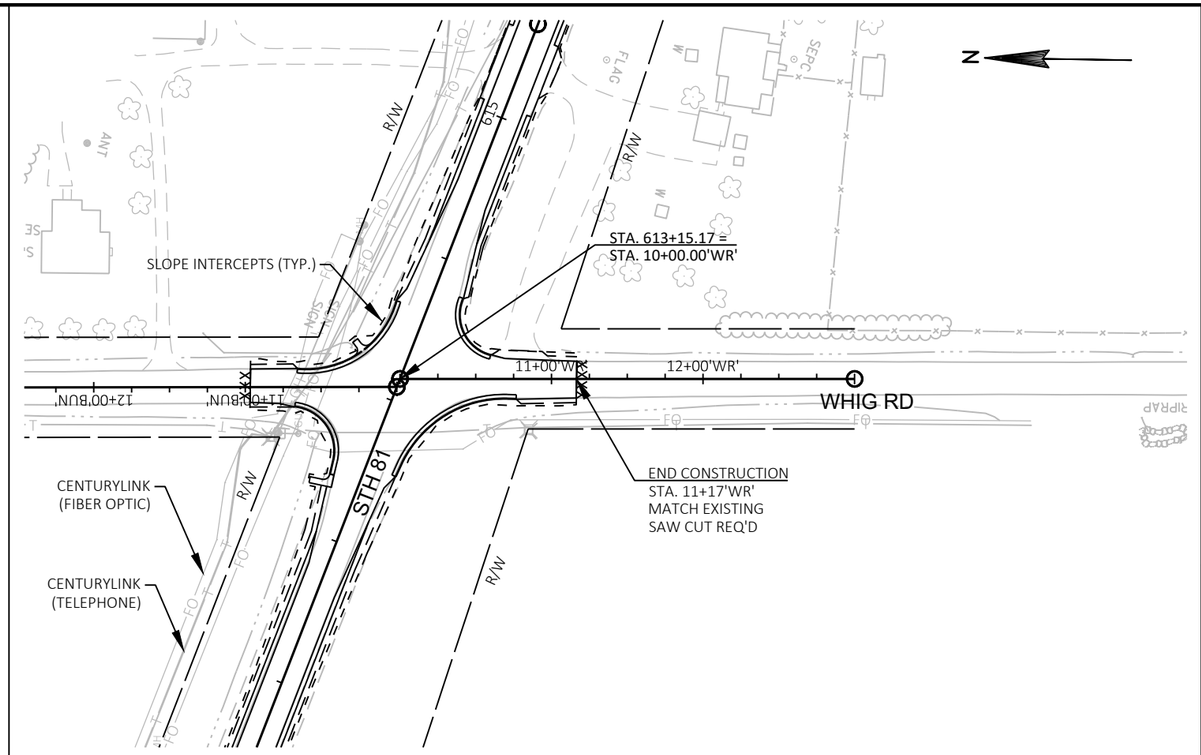
PLOT DATE : 10/31/2019 9:34 AM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE: 1 IN:100 FT

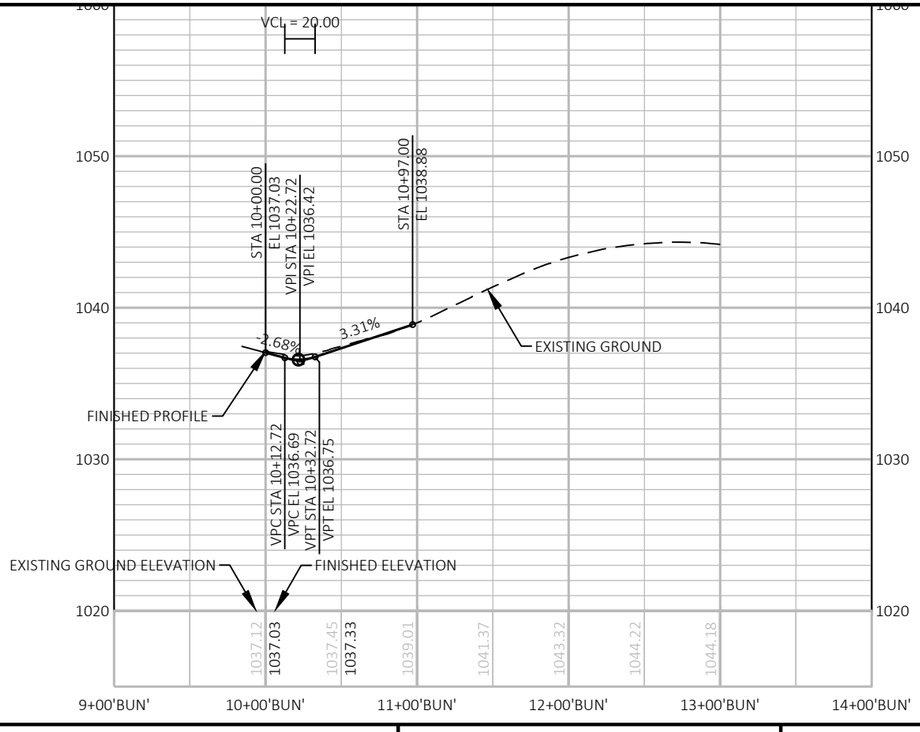


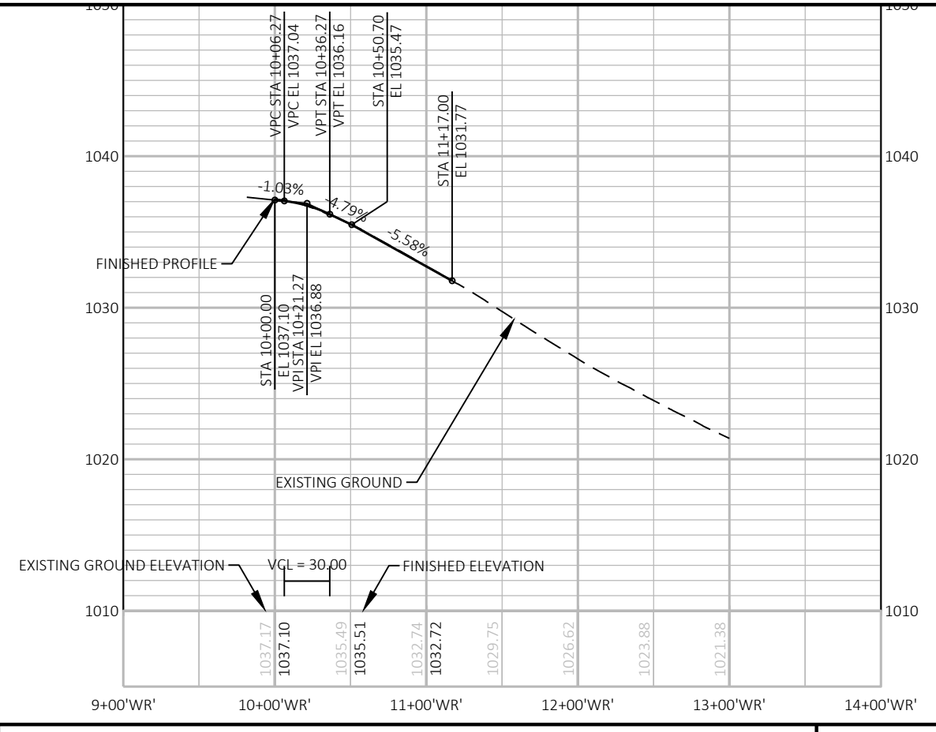


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: JENTZ BAKER DR EAST	SHEET	E

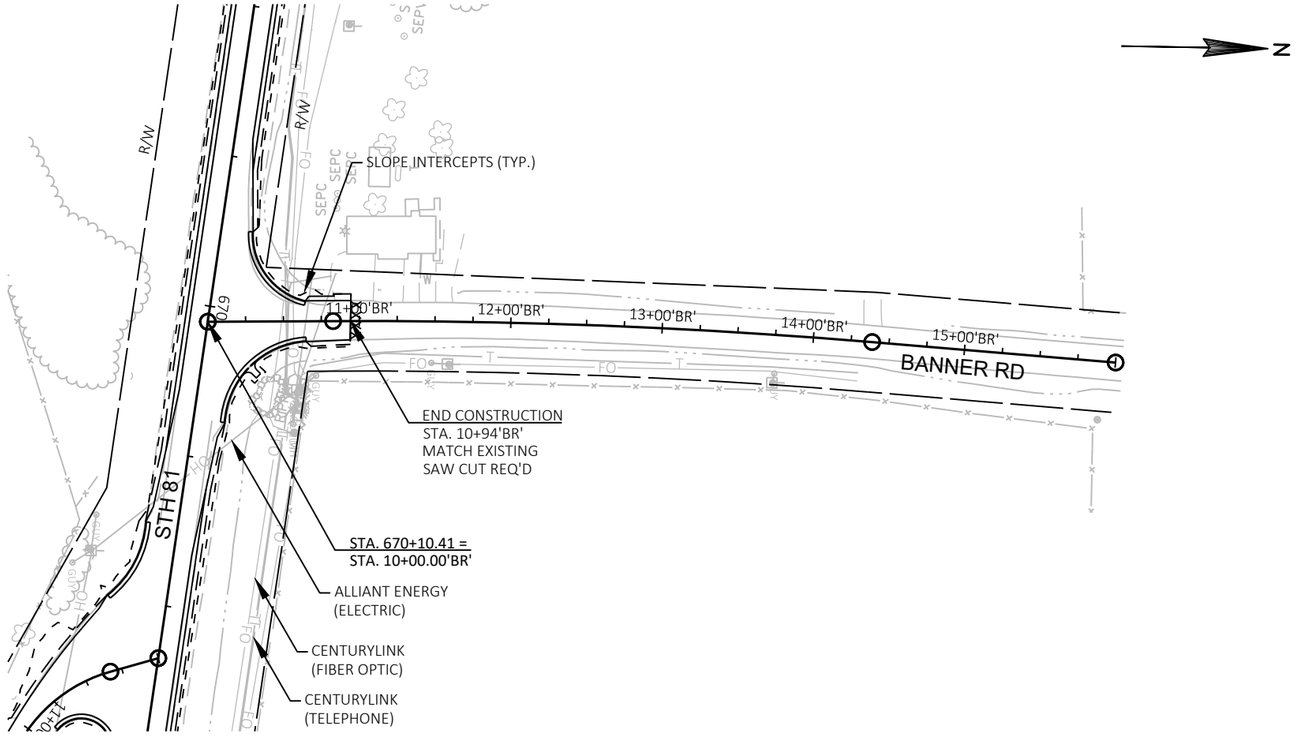


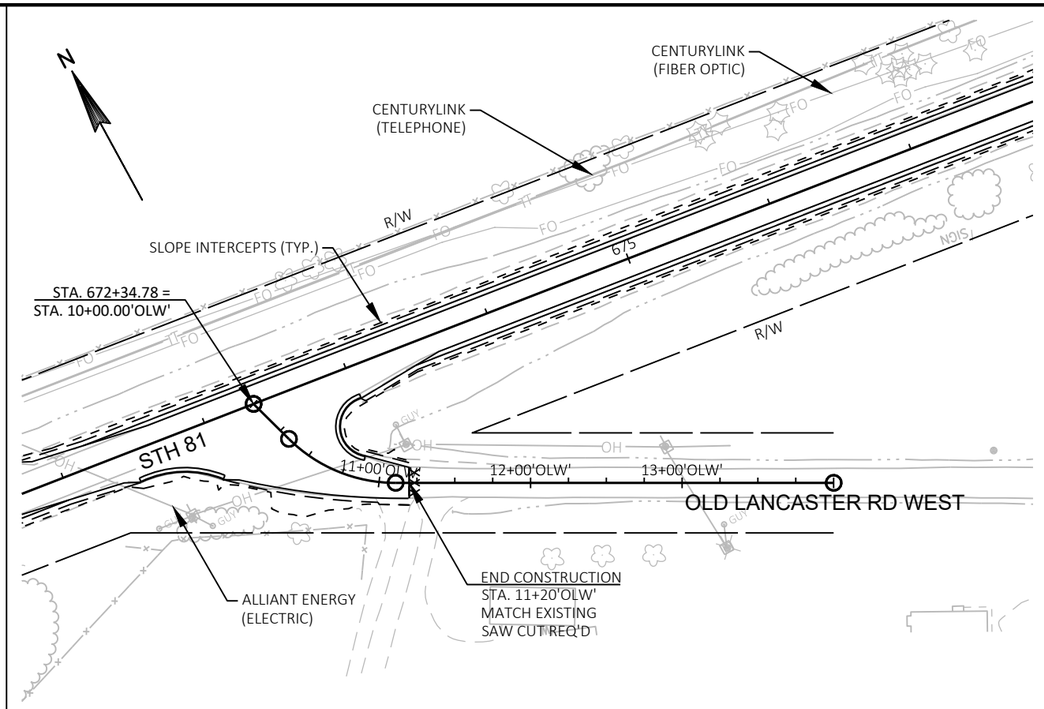


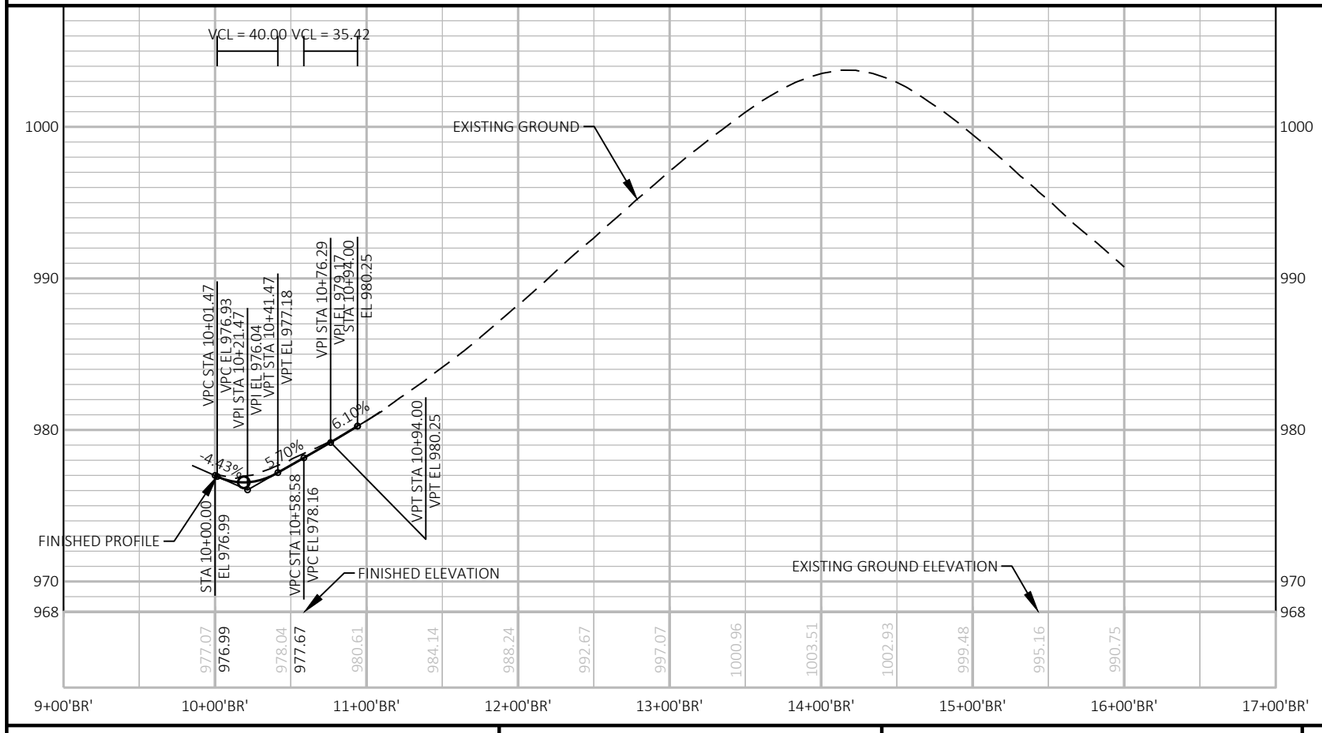


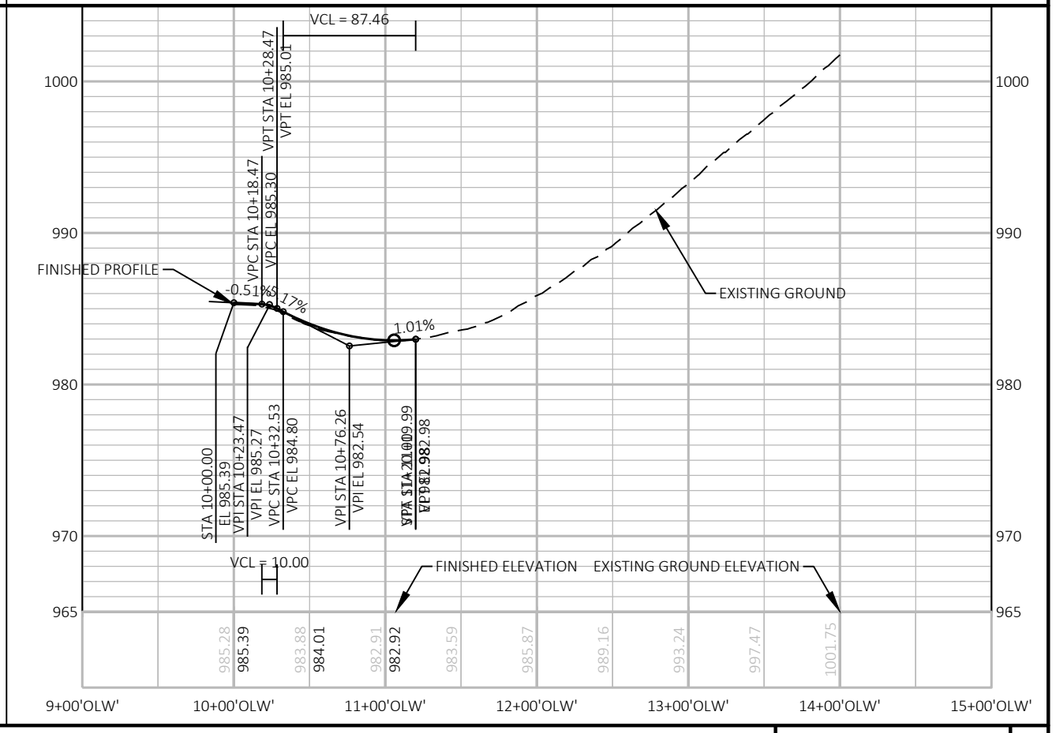


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: BUNKER RIDGE RD AND WHIG RD	SHEET E



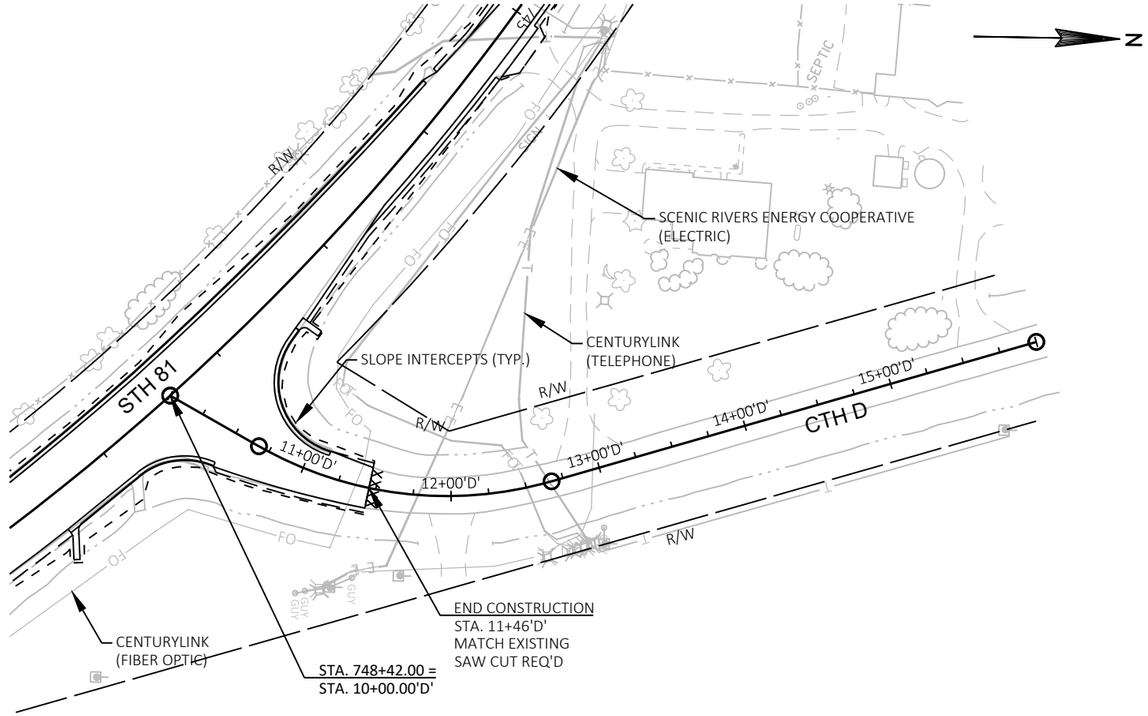


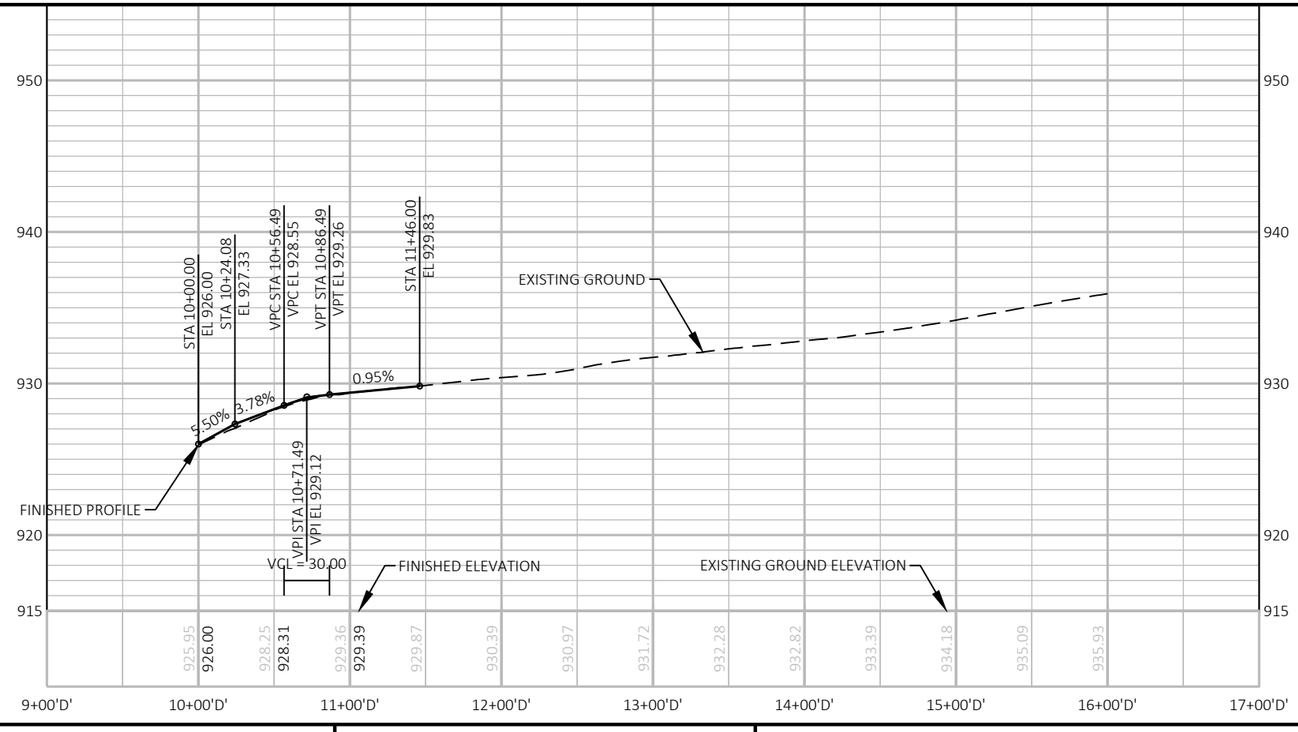




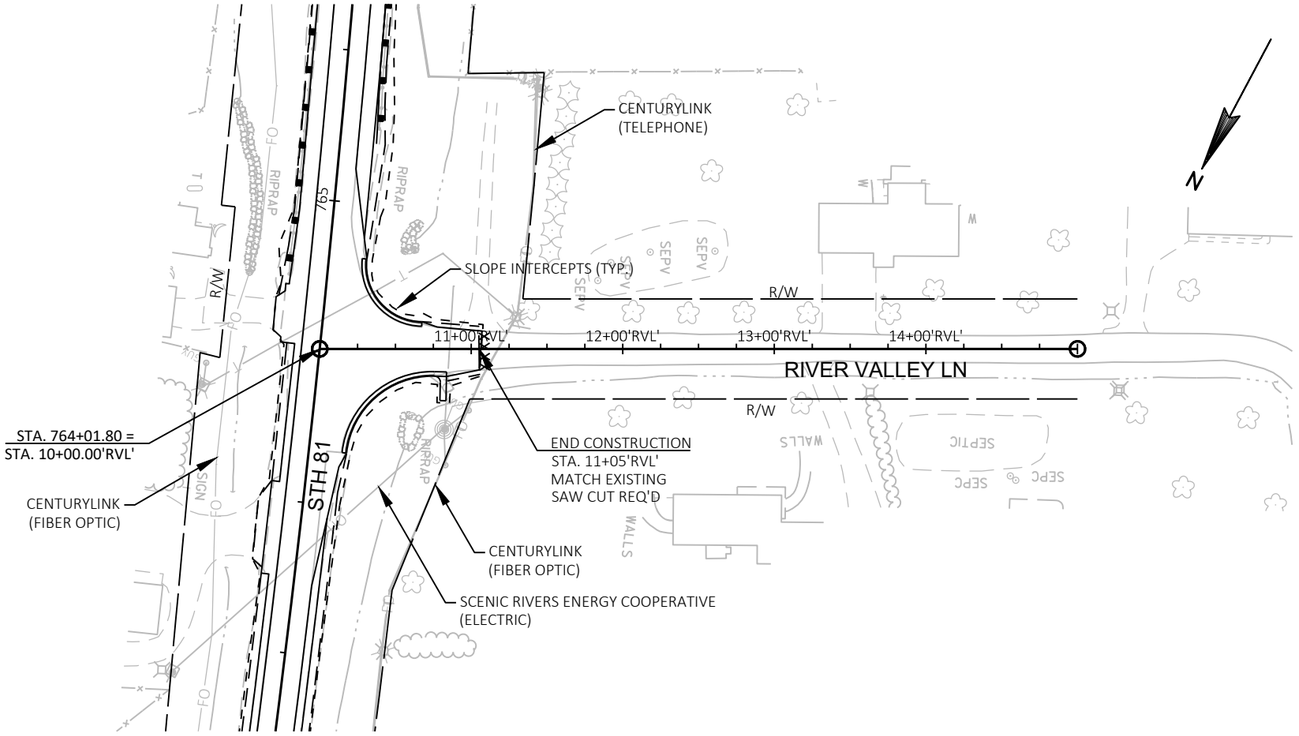
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: BANNER RD AND OLD LANCASTER RD WEST	SHEET E

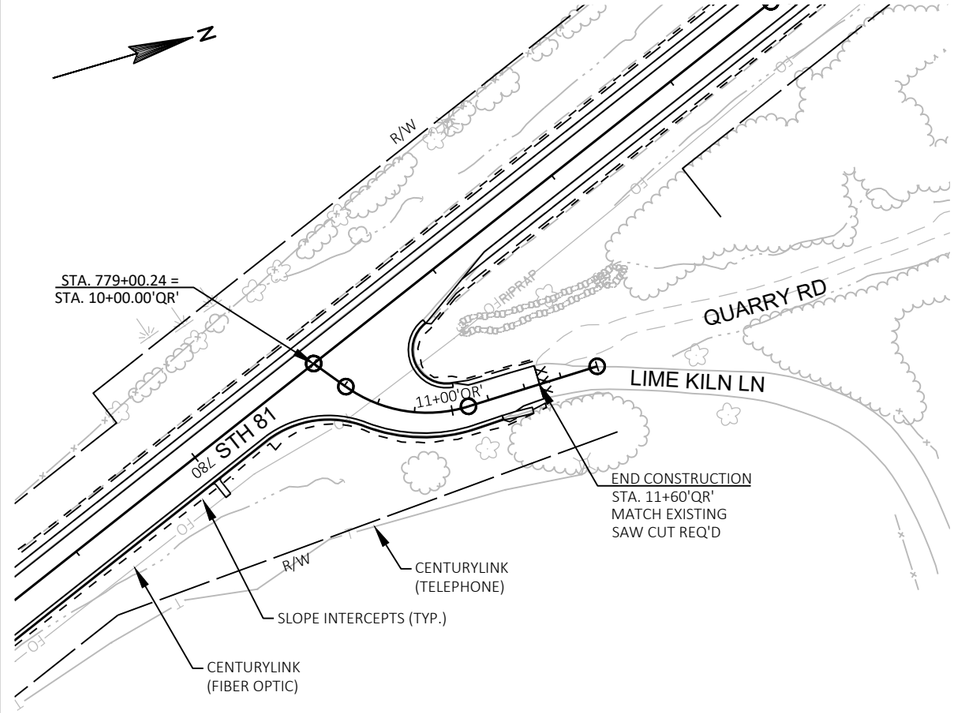
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\050102_PP_SIDEROADS.DWG
LAYOUT NAME - s12
PLOT DATE : 10/31/2019 9:36 AM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE: 1 IN:100 FT
WISDOT/CADDS SHEET 44

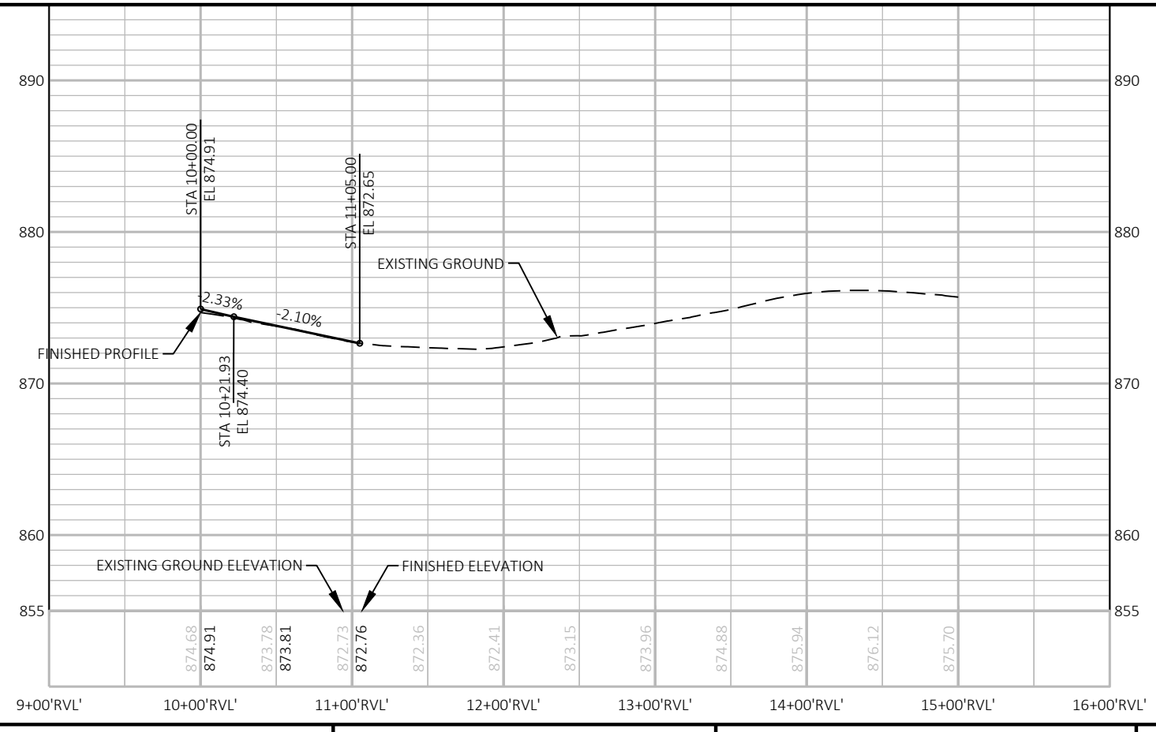


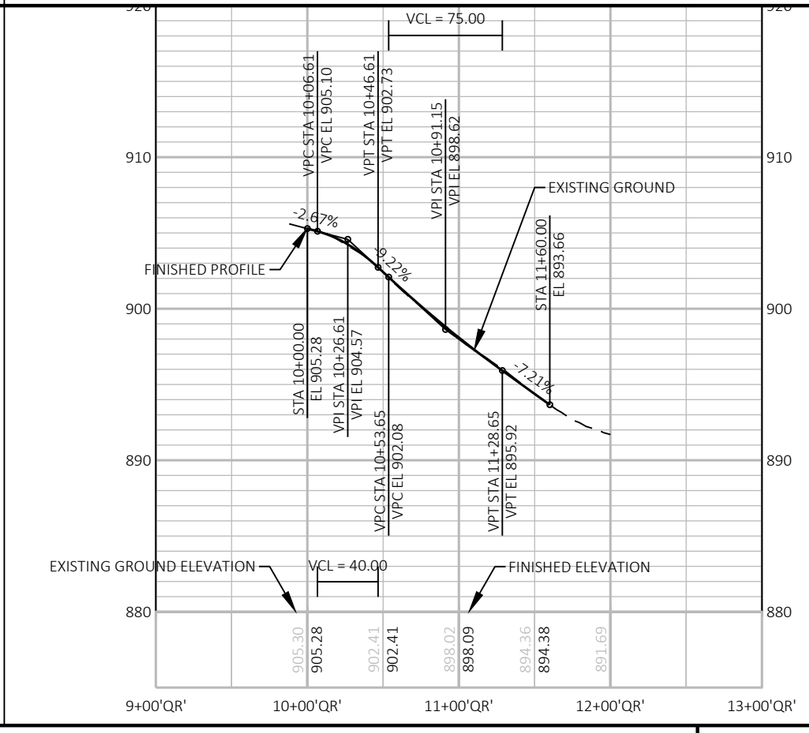


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: CTH D	SHEET	E

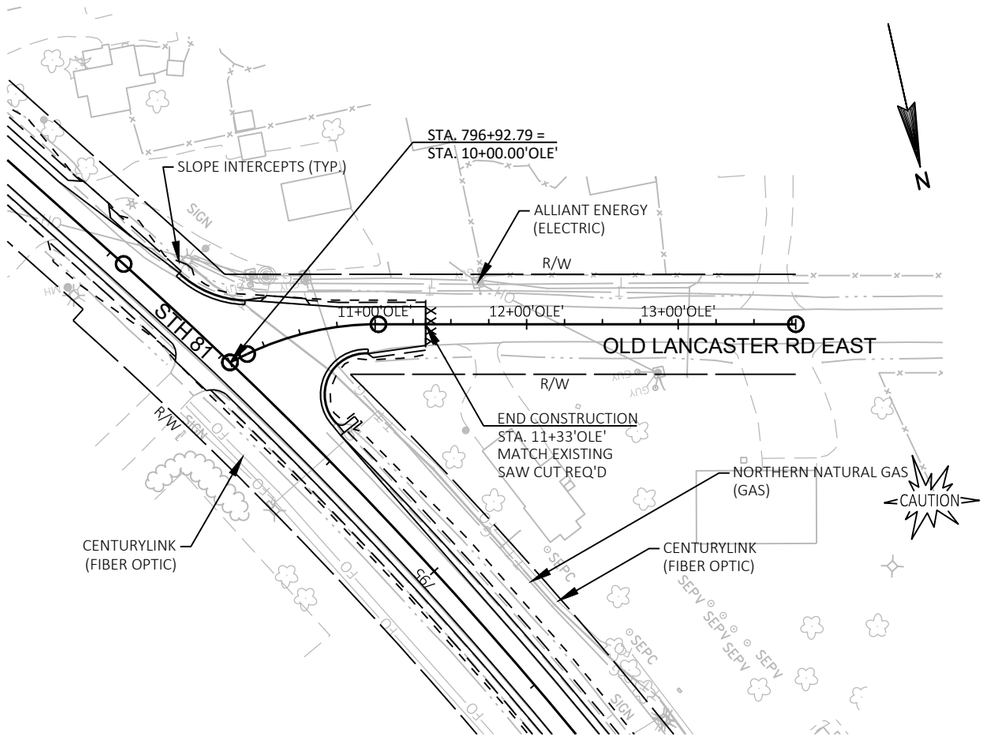


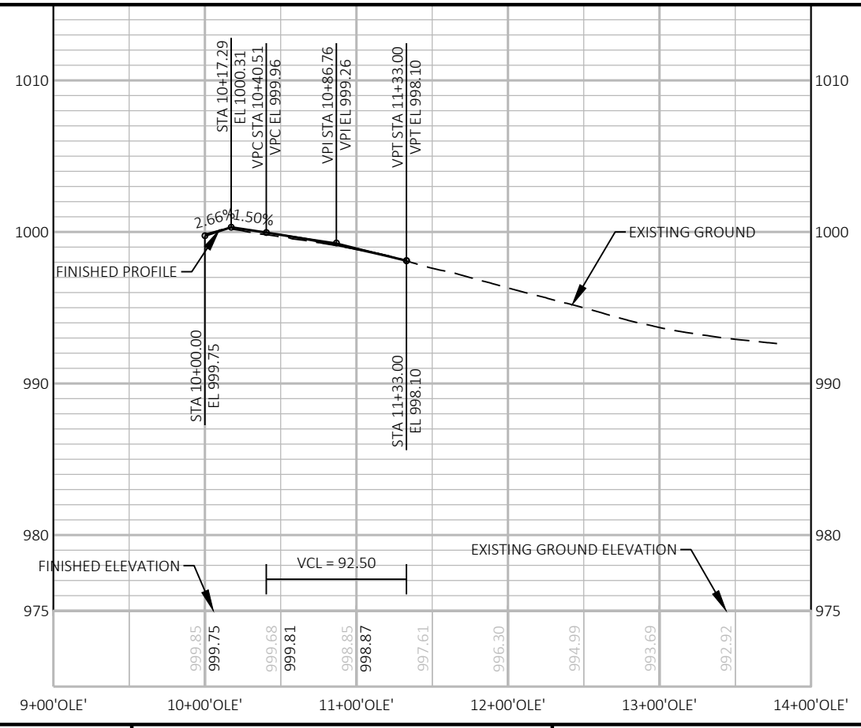






PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: RIVER VALLEY LN AND QUARRY RD	SHEET E





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	PLAN AND PROFILE: OLD LANCASTER RD EAST	SHEET	E

STH 81 - STA. 198+50 TO STA. 416+93

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
198+50	0	57	0	0	0	0	0	0
199+00	50	58	0	107	0	107	0	107
200+00	100	52	0	202	0	309	0	309
200+50	50	48	0	92	0	401	0	401
201+00	50	37	0	78	0	479	0	479
202+00	100	33	0	129	0	608	0	608
203+00	100	33	0	123	0	731	0	731
204+00	100	31	0	118	0	850	0	850
204+25	25	35	0	30	0	880	0	880
204+71	46	35	11	59	9	940	9	930
204+96	25	35	0	32	5	972	14	957
205+00	4	36	0	5	0	977	14	963
205+21	21	37	0	28	0	1005	14	991
206+00	79	37	0	109	0	1114	14	1100
207+00	100	41	0	146	0	1260	14	1245
208+00	100	41	0	152	0	1411	15	1397
209+00	100	38	0	146	0	1558	15	1542
209+65	65	37	0	90	0	1648	16	1632
209+90	25	37	1	34	0	1682	16	1666
210+00	10	36	1	14	0	1696	16	1680
210+15	15	37	0	20	0	1716	16	1700
211+00	85	34	0	114	0	1830	17	1813
212+00	100	33	0	125	0	1955	17	1938
213+00	100	34	0	125	0	2080	17	2063
214+00	100	32	0	123	0	2203	17	2186
214+50	50	35	0	63	0	2266	17	2248
215+00	50	34	0	64	0	2330	17	2313
216+00	100	36	0	130	0	2460	17	2442
217+00	100	37	0	134	0	2594	17	2577
218+00	100	41	0	143	0	2737	17	2720
219+00	100	41	0	151	0	2888	17	2871
220+00	100	41	0	151	0	3039	17	3022
220+50	50	46	0	81	0	3120	17	3103
221+00	50	41	0	81	0	3201	17	3183
222+00	100	40	0	150	0	3350	17	3333
223+00	100	38	0	144	0	3494	17	3477
224+00	100	38	0	140	0	3634	17	3616
225+00	100	39	0	143	0	3776	17	3759
226+00	100	37	0	142	0	3918	17	3901
227+00	100	38	0	139	0	4057	17	4040
228+00	100	37	0	137	0	4194	17	4177
229+00	100	41	0	144	0	4338	17	4321
230+00	100	41	0	152	0	4490	17	4473

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 198+50 TO STA. 416+93 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
231+00	100	40	0	150	0	4641	17	4623
232+00	100	40	0	148	0	4789	17	4771
233+00	100	34	0	137	1	4926	18	4908
233+75	75	34	0	94	1	5020	19	5001
234+00	25	36	0	32	0	5052	19	5033
234+25	25	35	0	33	0	5085	19	5066
235+00	75	36	0	98	0	5183	19	5164
236+00	100	39	0	138	0	5321	19	5302
237+00	100	39	0	144	0	5465	19	5446
237+75	75	41	0	111	0	5576	19	5557
238+00	25	41	0	38	0	5615	19	5596
238+70	70	44	2	111	2	5726	21	5704
238+95	25	42	1	40	1	5766	23	5743
239+00	5	42	1	7	0	5773	23	5750
239+20	20	40	1	31	1	5804	24	5780
240+00	80	40	0	117	1	5921	25	5896
241+00	100	41	0	150	0	6071	25	6046
242+00	100	40	0	152	1	6223	26	6197
242+50	50	40	14	74	14	6297	39	6257
243+00	50	39	6	73	19	6369	58	6312
243+92	92	38	0	131	10	6501	68	6433
244+00	8	39	0	12	0	6513	68	6445
244+17	17	39	0	24	0	6537	68	6469
244+42	25	43	0	38	0	6575	68	6507
245+00	58	41	0	91	0	6666	68	6598
246+00	100	40	0	150	0	6816	68	6748
247+00	100	39	0	147	0	6962	68	6895
248+00	100	41	0	148	0	7110	68	7042
248+50	50	40	0	75	0	7185	68	7117
249+00	50	40	0	74	0	7259	68	7191
250+00	100	45	0	156	0	7415	68	7347
251+00	100	41	0	159	0	7573	68	7506
251+75	75	43	0	117	0	7690	68	7623
252+00	25	36	0	37	0	7727	68	7659
253+00	100	42	0	144	0	7871	68	7804
253+37	37	44	0	59	0	7930	68	7862
253+82	45	46	0	76	0	8006	68	7938
254+00	18	46	0	31	0	8037	68	7969
255+00	100	38	0	155	1	8192	69	8123
256+00	100	43	0	149	0	8341	69	8273
257+00	100	42	0	157	0	8498	69	8429
258+00	100	37	0	146	0	8644	69	8576
259+00	100	37	0	136	0	8780	69	8712

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 198+50 TO STA. 416+93 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
260+00	100	37	0	137	0	8917	69	8848
261+00	100	43	0	148	0	9065	69	8997
261+75	75	47	0	125	0	9190	69	9121
262+00	25	47	0	44	0	9234	69	9165
263+00	100	47	0	174	0	9407	69	9339
264+00	100	53	0	184	0	9591	69	9522
265+00	100	40	0	172	0	9763	69	9694
266+00	100	35	0	138	0	9901	69	9832
267+00	100	34	0	128	0	10029	69	9960
267+25	25	33	0	31	0	10060	69	9991
268+00	75	30	0	88	1	10148	70	10078
269+00	100	30	0	111	1	10259	71	10189
270+00	100	27	0	105	1	10364	72	10293
271+00	100	26	0	99	1	10463	73	10390
272+00	100	28	0	100	1	10563	74	10489
273+00	100	29	0	105	1	10667	75	10592
274+00	100	30	0	110	1	10777	76	10701
275+00	100	33	0	117	1	10895	77	10818
276+00	100	35	0	126	0	11021	77	10944
277+00	100	35	0	130	0	11151	77	11073
278+00	100	35	0	130	0	11280	78	11203
279+00	100	35	0	130	0	11411	78	11333
280+00	100	36	0	131	0	11542	78	11464
281+00	100	37	0	134	0	11676	78	11598
282+00	100	44	0	149	0	11825	78	11747
283+00	100	42	0	159	0	11984	78	11906
283+75	75	44	0	119	0	12103	78	12026
284+00	25	41	1	39	0	12142	78	12064
285+00	100	47	0	162	2	12304	80	12224
286+00	100	47	0	173	0	12477	80	12397
287+00	100	45	0	170	0	12648	80	12567
287+50	50	51	0	89	0	12736	80	12656
288+00	50	41	0	86	0	12822	80	12742
289+00	100	37	0	145	0	12967	80	12887
290+00	100	36	0	135	0	13101	80	13021
291+00	100	35	0	131	0	13233	80	13153
292+00	100	36	0	131	0	13363	80	13283
293+00	100	38	0	135	0	13499	80	13419
293+50	50	41	0	73	0	13571	80	13491
294+00	50	38	0	73	0	13644	80	13564
295+00	100	38	0	140	0	13784	80	13704
296+00	100	38	0	141	0	13924	80	13844
297+00	100	37	0	139	0	14064	80	13983
298+00	100	40	0	142	0	14206	80	14126

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 198+50 TO STA. 416+93 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
299+00	100	45	0	158	0	14363	80	14283
299+20	20	52	0	36	0	14400	80	14320
299+45	25	53	0	48	0	14448	80	14368
299+70	25	53	0	49	0	14497	80	14417
300+00	30	47	0	55	0	14552	80	14472
301+00	100	37	0	156	0	14708	81	14628
302+00	100	36	0	135	1	14844	81	14762
303+00	100	37	0	136	0	14980	81	14898
304+00	100	43	0	150	0	15130	81	15048
305+00	100	39	0	153	0	15283	81	15201
306+00	100	45	0	156	0	15439	81	15357
306+25	25	50	0	44	0	15483	81	15401
307+00	75	49	0	138	0	15621	81	15540
308+00	100	51	0	186	0	15807	81	15726
308+48	48	49	0	89	0	15896	82	15815
308+73	25	43	0	42	0	15938	82	15857
308+98	25	43	0	40	0	15978	82	15896
309+00	2	43	0	3	0	15982	82	15900
310+00	100	31	5	136	10	16118	92	16026
310+26	26	34	1	32	3	16150	95	16055
310+51	25	43	1	35	1	16185	96	16089
310+76	25	50	0	43	0	16228	96	16131
311+00	24	50	0	44	0	16272	96	16175
311+25	25	51	0	47	0	16318	96	16222
311+79	54	48	0	100	0	16418	96	16322
312+00	21	46	0	37	0	16454	96	16358
312+04	4	45	0	7	0	16462	96	16365
312+29	25	41	5	40	2	16502	98	16403
313+00	71	40	0	106	6	16608	104	16504
314+00	100	40	0	147	0	16755	104	16650
315+00	100	40	0	148	0	16903	104	16798
316+00	100	34	0	138	0	17041	104	16936
317+00	100	40	0	138	0	17179	104	17074
318+00	100	42	0	152	0	17331	104	17226
319+00	100	40	0	152	0	17482	104	17378
320+00	100	33	0	135	0	17617	105	17512
321+00	100	35	0	126	1	17743	105	17638
321+18	18	39	0	25	0	17768	105	17662
321+43	25	47	0	39	0	17807	106	17701
321+68	25	60	0	49	0	17856	106	17750
321+83	16	59	0	35	0	17891	106	17785
322+00	17	55	1	35	0	17926	106	17820
322+09	9	53	1	17	0	17944	107	17837
322+34	25	50	1	48	1	17992	108	17884

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 198+50 TO STA. 416+93 (CONTINUED)

STATION	Distance	AREA (SF)		Incremental Vol (CY)		Cumulative Vol (CY)		Mass Ordinate Note 1
		Cut	Fill	Cut	Fill	Cut 1.00	Fill 1.00	
323+00	66	38	5	108	9	18100	116	17983
324+00	100	43	39	151	83	18250	199	18051
324+22	22	41	47	35	35	18285	235	18050
324+47	25	39	59	37	48	18322	283	18038
324+72	25	42	1	37	27	18359	311	18048
325+00	28	42	0	44	0	18403	311	18092
325+80	80	37	0	116	0	18519	311	18208
326+00	20	39	0	29	0	18548	311	18236
326+05	5	39	0	7	0	18554	311	18243
326+30	25	40	3	37	2	18591	313	18279
327+00	70	38	0	102	5	18693	317	18375
328+00	100	42	0	147	0	18840	318	18522
329+00	100	44	0	159	0	18998	318	18681
330+00	100	43	0	162	0	19160	318	18842
330+50	50	50	0	86	0	19246	318	18928
331+00	50	46	0	88	0	19334	318	19016
331+71	71	55	4	132	6	19467	324	19143
331+72	1	54	4	1	0	19468	324	19144
331+96	24	56	0	49	2	19517	326	19191
331+97	1	55	0	3	0	19520	326	19194
332+00	3	55	0	5	0	19525	326	19199
332+21	21	49	0	40	0	19565	326	19239
332+23	2	50	0	3	0	19569	326	19242
333+00	77	33	2	118	4	19686	330	19357
333+75	75	24	5	78	10	19764	340	19424
334+00	25	23	7	22	5	19786	345	19441
335+00	100	33	0	104	14	19890	359	19531
335+77	77	40	0	105	1	19995	360	19635
336+00	23	43	0	35	0	20030	360	19670
336+02	2	43	0	3	0	20034	360	19674
336+27	25	49	0	43	0	20076	360	19716
336+79	52	48	0	92	1	20169	361	19808
337+00	21	48	0	38	0	20207	361	19846
337+04	4	48	1	6	0	20213	361	19852
337+28	25	48	1	44	1	20257	362	19895
337+59	31	49	0	56	1	20313	363	19950
338+00	41	47	1	73	0	20386	363	20023
339+00	100	51	0	182	1	20568	364	20203
340+00	100	50	0	187	0	20755	364	20391
341+00	100	51	0	187	0	20942	364	20578
342+00	100	56	0	199	1	21141	365	20776
343+00	100	52	0	201	1	21342	366	20976
344+00	100	47	1	184	1	21526	367	21159
344+50	50	61	0	100	1	21626	368	21259

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 198+50 TO STA. 416+93 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
345+00	50	46	4	99	4	21725	371	21354
346+00	100	35	0	151	8	21876	379	21497
347+00	100	42	0	144	1	22020	380	21640
348+00	100	43	0	158	1	22178	381	21797
349+00	100	45	0	163	0	22341	381	21960
350+00	100	44	0	164	0	22506	381	22124
350+50	50	52	0	88	0	22594	381	22213
351+00	50	42	0	87	0	22681	381	22300
352+00	100	42	0	157	0	22838	381	22457
353+00	100	37	0	146	0	22985	381	22603
354+00	100	44	0	150	0	23134	381	22753
355+00	100	50	0	176	0	23310	381	22929
356+00	100	51	0	188	0	23498	381	23117
357+00	100	51	0	189	0	23687	381	23305
358+00	100	49	0	184	0	23871	381	23489
359+00	100	41	0	166	0	24037	381	23656
360+00	100	38	0	146	1	24183	382	23801
361+00	100	45	0	154	1	24337	383	23954
361+25	25	53	0	46	0	24382	383	24000
362+00	75	45	0	137	0	24519	383	24137
363+00	100	41	0	161	0	24680	383	24298
364+00	100	42	0	155	0	24835	383	24452
365+00	100	37	0	147	0	24982	383	24599
366+00	100	41	0	145	1	25126	383	24743
367+00	100	45	0	160	1	25286	384	24902
368+00	100	48	0	173	1	25459	385	25074
369+00	100	46	0	173	0	25632	385	25247
370+00	100	45	0	168	0	25800	385	25415
371+00	100	44	0	164	0	25964	385	25580
372+00	100	42	0	158	0	26123	385	25738
373+00	100	39	0	150	0	26273	385	25888
374+00	100	39	0	146	0	26419	385	26034
375+00	100	44	0	154	0	26572	385	26187
375+25	25	48	0	43	0	26615	385	26230
376+00	75	43	0	126	0	26741	385	26356
376+75	75	45	0	122	0	26863	385	26478
377+00	25	44	0	41	0	26904	385	26519
378+00	100	42	0	159	0	27063	385	26678
379+00	100	44	0	159	0	27222	385	26838
380+00	100	41	0	158	0	27380	385	26995
381+00	100	46	0	162	0	27542	386	27156
381+49	49	53	0	90	0	27632	386	27246
381+74	25	48	0	47	0	27678	386	27293
381+99	25	47	0	44	0	27722	386	27336

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 198+50 TO STA. 416+93 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
382+00	1	47	0	2	0	27724	386	27339
383+00	100	45	0	170	0	27895	386	27509
384+00	100	44	0	165	0	28060	386	27674
385+00	100	48	0	170	0	28230	386	27844
386+00	100	44	0	171	1	28401	387	28014
387+00	100	45	0	166	0	28567	387	28179
388+00	100	46	0	170	0	28736	388	28348
389+00	100	47	0	173	0	28909	388	28521
390+00	100	43	0	167	1	29076	389	28687
391+00	100	48	1	168	2	29244	391	28853
392+00	100	51	0	182	1	29426	392	29034
392+71	71	55	0	139	0	29565	392	29173
392+96	25	56	0	51	0	29617	392	29225
393+00	4	57	0	9	0	29625	392	29233
393+21	21	54	0	43	0	29669	392	29276
394+00	79	55	0	159	0	29828	392	29436
394+26	26	55	0	52	0	29880	392	29488
394+51	25	56	0	52	0	29932	392	29540
394+76	25	60	0	54	0	29985	392	29593
395+00	24	62	0	55	0	30040	392	29648
396+00	100	53	0	212	0	30252	392	29859
397+00	100	48	0	186	0	30438	392	30046
398+00	100	46	0	175	0	30613	392	30220
399+00	100	51	0	180	0	30793	392	30401
399+02	2	55	0	4	0	30797	392	30405
399+27	25	64	0	55	0	30852	392	30460
399+50	23	69	0	56	0	30909	392	30516
399+52	2	70	0	5	0	30914	392	30522
400+00	48	61	0	117	0	31031	392	30638
400+79	79	51	0	164	0	31194	392	30802
401+00	21	48	0	39	0	31233	392	30840
402+00	100	36	0	155	0	31388	392	30996

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 198+50 TO STA. 416+93 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
403+00	100	45	0	150	0	31538	392	31146
404+00	100	53	0	181	0	31719	392	31326
405+00	100	47	0	185	0	31904	392	31512
406+00	100	58	0	195	0	32099	392	31707
406+31	31	71	0	75	0	32174	392	31781
406+56	25	78	0	69	0	32243	392	31850
406+82	25	78	1	74	0	32316	393	31924
407+00	18	78	1	53	1	32369	393	31976
408+00	100	60	1	254	4	32623	397	32226
409+00	100	57	2	215	6	32839	403	32436
409+50	50	56	1	105	3	32943	406	32538
410+00	50	61	0	108	1	33051	407	32645
410+06	6	59	0	13	0	33064	407	32658
410+31	25	63	1	56	0	33121	407	32714
410+56	25	72	0	62	1	33183	408	32776
411+00	44	73	1	118	1	33301	409	32893
412+00	100	60	1	246	3	33547	411	33136
413+00	100	58	1	218	2	33765	413	33352
414+00	100	54	0	208	1	33973	415	33558
415+00	100	55	0	202	1	34175	416	33759
416+00	100	55	1	204	2	34378	417	33961
416+93	93	55	34	190	60	34569	477	34092
				34569	477			

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 419+97 TO STA. 744+00

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
419+97	0	66	0	0	0	0	0	0
420+00	3	69	0	7	0	7	0	7
421+00	100	55	0	230	0	238	0	238
421+37	37	55	0	75	0	313	0	313
421+62	25	55	0	51	0	364	0	364
421+87	25	57	0	51	0	415	0	415
422+00	13	54	0	27	0	442	0	442
422+62	62	48	0	117	0	559	0	559
422+87	25	44	0	43	0	602	0	602
423+00	13	44	0	21	0	623	0	623
423+12	12	44	0	19	0	643	0	642
424+00	88	39	6	135	9	777	10	768
424+94	94	46	3	146	14	924	24	900
425+00	6	45	2	10	1	934	24	910
425+25	25	48	0	43	1	977	26	952
426+00	75	47	0	132	0	1109	26	1083
427+00	100	40	7	161	13	1270	39	1231
428+00	100	50	18	166	47	1436	86	1350
429+00	100	47	12	179	56	1615	142	1473
430+00	100	39	18	160	55	1775	198	1577
431+00	100	33	0	135	34	1910	232	1678
432+00	100	43	0	142	1	2051	232	1819
433+00	100	45	10	164	19	2215	252	1964
433+55	55	44	29	92	40	2307	292	2015
433+80	25	47	19	42	22	2349	314	2035
433+93	13	47	6	23	6	2372	320	2052
434+00	7	47	2	12	1	2384	321	2063
434+05	5	47	1	8	0	2392	321	2071
434+19	14	47	0	24	0	2416	322	2094
434+44	25	40	1	40	1	2456	322	2133
435+00	56	38	1	82	2	2537	324	2213
435+99	99	40	25	143	48	2681	372	2309
436+00	1	40	25	1	1	2682	373	2309
436+24	24	46	13	38	17	2720	389	2331
436+47	23	50	2	40	6	2760	395	2365
437+00	53	50	0	99	2	2859	397	2462
437+27	27	48	0	49	0	2908	397	2511
437+52	25	46	0	44	0	2952	397	2555
437+77	25	47	0	43	0	2995	397	2598
438+00	23	45	0	39	0	3035	398	2637
438+83	83	32	0	119	0	3154	398	2756
439+00	17	33	0	21	0	3174	398	2777
439+08	8	33	0	10	0	3184	398	2786
439+33	25	33	0	30	0	3214	398	2816

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 419+97 TO STA. 744+00 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
440+00	67	36	0	86	1	3301	399	2902
441+00	100	35	0	133	1	3433	400	3034
442+00	100	33	0	127	0	3560	400	3160
443+00	100	31	0	119	0	3679	400	3279
444+00	100	47	0	145	0	3824	400	3424
445+00	100	46	0	172	0	3996	400	3596
446+00	100	50	0	178	0	4174	401	3774
447+00	100	55	3	194	5	4369	406	3963
448+00	100	52	0	197	5	4566	411	4155
449+00	100	48	0	184	1	4750	412	4338
450+00	100	56	0	192	1	4943	413	4530
451+00	100	57	0	209	0	5152	413	4739
452+00	100	52	0	201	0	5353	413	4940
453+00	100	51	0	191	0	5544	413	5131
454+00	100	53	0	193	0	5737	413	5323
455+00	100	47	1	185	3	5922	416	5506
456+00	100	43	1	166	5	6088	421	5667
457+00	100	45	0	163	2	6251	423	5828
458+00	100	46	0	169	0	6420	423	5997
459+00	100	48	0	174	0	6594	423	6171
459+20	20	50	0	36	0	6630	423	6207
459+45	25	53	0	48	0	6678	423	6254
459+70	25	55	0	50	0	6728	423	6304
460+00	30	52	0	60	0	6788	423	6364
461+00	100	45	0	181	1	6968	424	6544
462+00	100	42	0	163	2	7131	426	6705
463+00	100	38	0	150	2	7280	428	6853
464+00	100	45	0	155	1	7435	428	7007
465+00	100	38	1	154	1	7589	429	7160
466+00	100	40	2	146	4	7735	434	7301
467+00	100	38	0	145	4	7880	437	7443
468+00	100	36	9	138	17	8018	454	7563
468+75	75	39	0	104	13	8122	468	7654
469+00	25	38	0	35	0	8157	468	7689
470+00	100	38	2	141	5	8298	473	7825
470+50	50	41	0	74	3	8372	476	7896
471+00	50	40	0	75	1	8447	476	7970
472+00	100	37	1	143	2	8589	478	8111
473+00	100	38	0	139	2	8728	480	8248
474+00	100	43	1	149	2	8878	482	8395
475+00	100	44	0	160	1	9038	483	8554
476+00	100	42	7	158	13	9195	496	8700
477+00	100	41	2	153	16	9348	512	8836
478+00	100	41	3	151	10	9499	522	8977

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 419+97 TO STA. 744+00 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
479+00	100	45	2	159	9	9659	531	9127
479+81	81	49	0	142	2	9800	534	9267
480+00	19	52	0	36	0	9836	534	9303
481+00	100	54	1	195	2	10032	535	9496
482+00	100	46	0	186	2	10217	538	9680
483+00	100	40	0	160	1	10377	538	9839
484+00	100	42	0	151	0	10529	539	9990
484+71	71	49	0	120	0	10649	539	10110
484+96	25	49	1	45	1	10695	540	10155
485+00	4	49	1	7	0	10701	540	10162
485+21	21	49	0	38	0	10740	540	10200
486+00	79	52	9	147	14	10887	554	10333
487+00	100	50	0	189	17	11076	570	10506
488+00	100	51	0	187	1	11263	571	10692
488+25	25	49	0	47	0	11310	571	10739
488+50	25	50	0	46	0	11356	571	10784
488+75	25	52	0	47	0	11403	571	10831
489+00	25	54	0	49	0	11451	571	10880
490+00	100	42	0	177	0	11629	571	11057
491+00	100	42	1	155	2	11784	573	11211
491+25	25	44	0	40	0	11823	573	11250
492+00	75	42	0	119	0	11943	573	11369
493+00	100	41	0	153	0	12095	573	11522
493+25	25	44	0	39	0	12135	573	11561
494+00	75	39	0	116	0	12251	573	11677
494+75	75	44	0	115	0	12366	573	11792
495+00	25	41	0	39	0	12405	573	11831
496+00	100	39	0	148	0	12552	573	11979
497+00	100	40	0	146	0	12698	573	12125
498+00	100	39	0	146	0	12845	573	12271
499+00	100	41	0	148	0	12992	573	12419
500+00	100	45	0	159	0	13151	573	12578
501+00	100	40	0	158	0	13309	573	12736
501+25	25	39	0	36	0	13346	573	12772
502+00	75	39	0	108	0	13453	573	12880
503+00	100	38	0	142	0	13596	573	13022
503+75	75	48	0	120	0	13715	573	13142
504+00	25	47	0	44	0	13759	573	13186
505+00	100	48	0	174	0	13933	573	13360
506+00	100	41	0	164	0	14097	573	13524
507+00	100	38	0	147	0	14244	573	13670
508+00	100	38	0	142	0	14386	573	13813
509+00	100	38	0	142	0	14528	573	13955
510+00	100	40	0	145	0	14673	573	14099

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 419+97 TO STA. 744+00 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
511+00	100	42	0	150	0	14823	573	14250
512+00	100	43	0	156	0	14979	573	14406
512+50	50	50	0	86	0	15065	573	14492
513+00	50	42	0	85	0	15150	573	14577
514+00	100	36	0	145	0	15295	573	14722
515+00	100	33	0	128	0	15423	573	14850
516+00	100	32	0	120	0	15543	573	14969
517+00	100	37	4	129	8	15671	582	15090
517+50	50	38	0	70	4	15741	586	15156
517+99	49	38	0	69	0	15811	586	15225
518+00	1	38	0	1	0	15812	586	15226
518+40	40	35	0	54	0	15866	586	15280
518+65	25	33	35	31	16	15897	602	15295
518+90	25	36	21	32	26	15929	628	15301
519+00	10	36	2	13	4	15942	632	15310
520+00	100	38	0	138	5	16079	637	15443
521+00	100	41	0	147	1	16226	637	15589
521+46	46	43	0	73	0	16299	638	15661
521+71	25	43	0	40	0	16339	638	15701
521+96	25	51	0	44	0	16383	638	15745
522+00	4	51	0	7	0	16389	638	15752
523+00	100	41	0	170	0	16560	638	15922
524+00	100	46	0	161	0	16721	638	16083
525+00	100	39	0	157	0	16878	638	16240
526+00	100	38	0	143	0	17021	638	16383
527+00	100	36	0	137	0	17158	638	16520
528+00	100	38	0	136	0	17294	638	16656
529+00	100	43	0	150	1	17444	638	16805
529+60	60	58	0	113	0	17557	639	16918
529+70	10	61	0	22	0	17579	639	16940
529+85	15	58	0	32	0	17611	639	16972
529+95	10	51	0	21	0	17632	639	16993
530+00	5	50	0	9	0	17641	639	17002
530+10	10	48	0	18	0	17659	639	17020
530+20	10	50	1	19	0	17678	639	17039
531+00	80	45	1	140	3	17818	643	17176
532+00	100	41	0	159	2	17978	645	17333
532+52	52	57	0	93	0	18071	645	17426
532+77	25	56	0	52	0	18123	645	17478
532+79	2	57	0	4	0	18127	645	17482
533+00	21	64	0	48	0	18175	645	17530
533+02	2	62	0	4	0	18179	645	17534
533+04	2	60	0	5	0	18183	645	17538

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 419+97 TO STA. 744+00 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
533+29	25	65	0	58	0	18241	645	17596
533+75	46	51	0	100	0	18341	645	17696
534+00	25	49	0	46	0	18388	645	17742
535+00	100	44	0	171	0	18559	645	17914
535+70	70	45	1	114	2	18673	647	18026
535+95	25	44	0	41	1	18714	648	18067
536+00	5	44	0	8	0	18723	648	18075
536+20	20	44	0	32	0	18755	648	18107
536+60	40	46	0	67	0	18822	648	18174
536+85	25	41	16	40	7	18862	655	18207
537+00	15	40	3	22	5	18884	660	18224
537+10	10	38	4	14	1	18899	661	18237
538+00	90	43	0	136	8	19034	669	18365
538+26	26	44	0	42	0	19077	670	18407
538+51	25	46	0	42	0	19118	670	18448
538+76	25	61	0	50	0	19168	670	18498
538+79	3	62	0	6	0	19174	670	18504
539+00	21	52	0	45	0	19219	670	18548
539+04	4	52	0	7	0	19225	670	18555
539+29	25	52	1	48	1	19273	671	18603
540+00	71	48	0	132	2	19405	672	18733
541+00	100	47	0	177	0	19582	672	18910
542+00	100	51	0	181	0	19763	672	19091
542+70	70	50	3	131	4	19895	676	19219
542+95	25	50	0	46	1	19941	677	19264
543+00	5	49	0	8	0	19949	677	19272
543+20	20	47	0	36	0	19985	677	19308
543+72	52	51	0	95	0	20080	677	19403
543+97	25	44	0	44	0	20124	677	19446
544+00	3	43	0	4	0	20128	677	19451
544+22	22	36	1	33	0	20161	678	19483
545+00	78	27	4	90	7	20250	684	19566
545+77	77	34	2	86	9	20336	693	19643
546+00	23	41	1	32	1	20368	694	19674
546+02	2	41	1	2	0	20371	694	19676
546+27	25	53	0	43	0	20414	694	19720
546+79	52	49	0	98	0	20512	694	19818
547+00	21	51	0	40	0	20552	694	19858
547+04	4	51	0	7	0	20559	694	19865
547+29	25	49	0	47	0	20606	694	19911
548+00	71	45	0	125	0	20730	695	20035
549+00	100	43	0	162	0	20892	695	20197
550+00	100	44	0	161	0	21053	695	20358
551+00	100	44	0	164	0	21216	695	20522

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 419+97 TO STA. 744+00 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
552+00	100	44	0	163	0	21380	695	20685
553+00	100	42	0	160	0	21539	695	20845
554+00	100	46	0	163	0	21703	695	21008
555+00	100	49	0	176	0	21879	695	21184
556+00	100	48	0	180	0	22058	695	21363
557+00	100	46	0	172	0	22230	695	21536
558+00	100	48	0	172	0	22403	695	21708
559+00	100	47	0	175	0	22578	695	21883
559+70	70	45	2	120	2	22697	697	22000
559+95	25	45	0	42	1	22739	698	22041
560+00	5	45	0	8	0	22747	698	22049
560+20	20	45	0	34	0	22781	698	22083
561+00	80	42	0	128	0	22909	698	22211
562+00	100	43	0	157	0	23066	698	22368
563+00	100	51	0	174	0	23240	698	22542
563+51	51	54	0	100	0	23340	698	22642
563+76	25	52	0	49	0	23389	698	22691
564+00	24	50	0	45	0	23435	698	22737
564+01	1	50	0	2	0	23437	698	22738
565+00	99	49	0	181	0	23618	698	22919
565+64	64	56	0	124	0	23742	698	23044
565+89	25	55	0	52	0	23794	698	23095
566+00	11	51	0	21	0	23815	698	23117
566+14	14	52	0	27	0	23842	698	23143
567+00	86	50	0	162	0	24003	698	23305
567+82	82	49	0	150	0	24153	698	23455
568+00	18	51	0	33	0	24186	698	23487
568+07	7	61	0	15	0	24200	698	23502
568+32	25	73	0	62	0	24262	698	23564
569+00	68	49	0	153	0	24415	698	23717
570+00	100	43	0	171	0	24586	698	23887
571+00	100	46	0	166	0	24751	698	24053
572+00	100	46	0	171	0	24922	698	24224
573+00	100	43	0	165	0	25087	698	24389
574+00	100	44	0	161	0	25248	698	24550
575+00	100	51	0	175	0	25424	698	24725
576+00	100	51	0	189	0	25613	698	24914
577+00	100	46	0	180	0	25793	698	25094
578+00	100	41	0	161	0	25954	698	25255
579+00	100	39	0	147	0	26101	698	25403
580+00	100	27	0	122	0	26223	698	25525
580+47	47	29	0	49	0	26272	698	25574
581+00	53	34	0	62	0	26334	699	25636

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 419+97 TO STA. 744+00 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
581+25	25	40	0	34	0	26369	699	25670
581+75	50	40	0	74	0	26443	699	25744
582+00	25	41	0	38	0	26480	699	25782
583+00	100	42	0	154	0	26634	699	25936
584+00	100	40	0	152	0	26786	699	26087
585+00	100	40	0	149	0	26934	699	26236
586+00	100	40	0	148	0	27082	699	26384
587+00	100	33	0	134	0	27216	699	26517
588+00	100	31	0	118	0	27334	699	26635
589+00	100	31	0	116	0	27449	699	26750
590+00	100	30	0	114	0	27563	699	26864
590+25	25	36	0	31	0	27594	699	26895
591+00	75	32	0	95	0	27689	699	26990
592+00	100	36	0	125	0	27814	699	27115
593+00	100	39	0	137	0	27952	699	27253
594+00	100	43	0	152	0	28103	699	27404
595+00	100	36	0	148	0	28251	699	27552
596+00	100	36	0	133	0	28385	699	27686
597+00	100	33	0	127	0	28512	699	27813
598+00	100	28	0	114	0	28626	699	27927
599+00	100	26	0	100	0	28726	699	28026
600+00	100	30	0	104	0	28829	700	28130
601+00	100	37	0	124	0	28953	700	28254
602+00	100	36	0	136	0	29089	700	28389
603+00	100	33	0	129	0	29218	700	28518
604+00	100	37	0	130	0	29348	700	28648
604+50	50	44	0	75	0	29423	700	28723
605+00	50	37	0	75	0	29498	700	28798
606+00	100	30	1	123	2	29622	701	28920
607+00	100	33	0	116	2	29738	703	29035
608+00	100	35	0	126	0	29863	703	29161
609+00	100	34	0	126	0	29990	703	29287
610+00	100	35	0	128	0	30117	703	29415
611+00	100	38	0	137	0	30254	703	29551
612+00	100	41	0	146	0	30400	703	29698
613+00	100	54	0	175	0	30576	703	29873
613+09	9	53	0	19	0	30595	703	29892
613+15	6	52	0	11	0	30606	703	29903
614+00	85	43	0	150	0	30755	703	30053
615+00	100	38	0	150	0	30905	703	30202
615+25	25	43	0	37	0	30942	703	30240
615+50	25	41	0	39	0	30981	703	30278
616+00	50	33	0	68	0	31050	703	30347
617+00	100	35	0	125	0	31175	703	30472

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 419+97 TO STA. 744+00 (CONTINUED)

STATION	Distance	AREA (SF)		Incremental Vol (CY)		Cumulative Vol (CY)		Mass Ordinate
		Cut	Fill	Cut	Fill	Cut 1.00	Fill 1.00	Note 1
617+25	25	36	0	33	0	31208	703	30505
618+00	75	32	0	93	0	31301	703	30598
619+00	100	37	0	126	0	31428	703	30725
620+00	100	30	0	123	0	31550	703	30848
621+00	100	26	0	104	0	31654	703	30951
622+00	100	30	0	104	0	31758	703	31055
623+00	100	31	0	112	0	31870	703	31167
624+00	100	32	0	117	0	31987	703	31284
625+00	100	32	0	119	0	32106	703	31403
626+00	100	35	0	124	0	32230	703	31527
627+00	100	35	0	130	0	32360	703	31657
628+00	100	33	0	126	0	32486	703	31783
628+50	50	38	0	66	0	32552	703	31849
629+00	50	34	0	67	0	32618	703	31916
630+00	100	34	0	126	0	32744	703	32041
631+00	100	31	0	121	0	32866	703	32163
631+50	50	36	1	63	1	32928	704	32224
632+00	50	35	0	66	1	32994	705	32289
633+00	100	32	1	125	2	33119	708	32412
634+00	100	40	2	134	4	33254	712	32542
635+00	100	40	17	148	35	33402	747	32655
636+00	100	47	32	162	91	33564	839	32725
637+00	100	50	39	181	131	33745	969	32775
638+00	100	51	25	188	119	33933	1088	32845
639+00	100	51	0	188	47	34122	1135	32987
640+00	100	50	0	186	0	34308	1135	33173
641+00	100	51	0	187	0	34495	1135	33360
642+00	100	49	0	186	0	34681	1135	33546
643+00	100	50	0	184	0	34865	1135	33729
644+00	100	42	0	171	0	35036	1135	33900
645+00	100	35	0	143	0	35179	1135	34043
646+00	100	31	0	122	0	35301	1135	34165
647+00	100	32	0	118	0	35419	1135	34283
648+00	100	32	0	120	0	35539	1136	34403
649+00	100	27	0	109	1	35648	1137	34512
649+75	75	34	0	84	1	35732	1137	34595
650+00	25	35	0	32	0	35764	1138	34626
650+25	25	32	0	31	0	35795	1138	34657
651+00	75	29	0	86	0	35881	1138	34743
652+00	100	43	0	133	0	36014	1138	34876
652+21	21	44	0	34	0	36048	1138	34910
652+46	25	42	0	40	0	36088	1138	34950
652+71	25	44	0	40	0	36127	1138	34989

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 419+97 TO STA. 744+00 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
653+00	29	41	1	46	0	36174	1139	35035
653+23	23	48	1	38	1	36212	1139	35073
653+48	25	40	1	41	1	36253	1140	35113
653+73	25	34	2	34	2	36288	1142	35146
654+00	27	31	2	32	2	36319	1144	35176
655+00	100	29	6	110	15	36430	1159	35271
656+00	100	41	2	130	15	36560	1174	35385
657+00	100	38	2	147	7	36706	1182	35525
657+31	31	37	12	43	8	36749	1190	35560
657+50	19	39	26	26	13	36776	1203	35573
657+56	6	38	33	9	7	36785	1210	35575
657+75	18	42	1	28	11	36812	1221	35591
657+81	7	44	1	11	0	36823	1221	35602
658+00	18	50	0	32	0	36855	1222	35633
658+00	0	50	0	1	0	36855	1222	35634
658+75	75	43	0	128	0	36984	1222	35762
659+00	25	41	0	39	0	37022	1222	35800
660+00	100	36	0	142	0	37164	1222	35942
661+00	100	37	0	136	0	37300	1222	36078
662+00	100	39	0	141	0	37441	1222	36219
663+00	100	35	0	136	0	37577	1222	36355
663+75	75	38	0	101	0	37678	1222	36456
664+00	25	34	0	33	0	37711	1222	36489
665+00	100	30	0	119	0	37830	1222	36608
665+75	75	37	0	93	0	37923	1222	36701
666+00	25	36	0	34	0	37957	1222	36735
667+00	100	34	0	130	0	38087	1222	36864
668+00	100	36	0	130	0	38216	1222	36994
669+00	100	40	0	141	0	38357	1222	37135
670+00	100	42	0	151	0	38508	1222	37286
670+10	10	40	0	16	0	38524	1222	37302
671+00	90	39	0	131	0	38655	1222	37433
672+00	100	35	0	137	0	38792	1222	37570
672+35	35	34	0	44	0	38836	1222	37614
673+00	65	33	0	81	0	38917	1222	37695
674+00	100	29	0	116	0	39033	1222	37811
675+00	100	28	0	105	0	39138	1222	37916
676+00	100	27	0	101	0	39239	1223	38016
677+00	100	31	0	107	0	39346	1223	38123
678+00	100	35	0	122	0	39468	1223	38245
679+00	100	35	0	128	0	39596	1223	38374
680+00	100	39	0	136	0	39733	1223	38510
680+20	20	42	0	31	0	39763	1223	38541

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 419+97 TO STA. 744+00 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
680+45	25	45	0	40	0	39804	1223	38581
680+48	2	45	0	4	0	39807	1223	38585
680+70	23	50	0	40	0	39847	1223	38625
680+72	2	50	0	4	0	39851	1223	38628
680+97	25	46	0	44	0	39895	1223	38673
681+00	3	46	0	4	0	39900	1223	38677
682+00	100	32	2	144	4	40044	1227	38817
683+00	100	33	31	120	62	40164	1289	38875
684+00	100	35	1	126	60	40290	1349	38941
685+00	100	38	1	135	4	40425	1353	39072
685+75	75	36	23	102	34	40527	1387	39140
685+77	2	36	25	3	2	40531	1389	39141
685+78	0	36	25	1	0	40531	1390	39141
686+00	22	37	23	30	20	40561	1409	39151
686+03	3	38	3	3	1	40564	1411	39154
686+03	0	38	3	0	0	40565	1411	39154
686+27	25	58	0	44	1	40609	1412	39197
686+28	0	58	0	1	0	40609	1412	39197
687+00	72	43	0	135	0	40745	1412	39333
687+75	75	38	0	112	0	40857	1412	39444
688+00	25	33	0	33	0	40889	1412	39477
688+50	50	37	0	66	0	40955	1412	39543
689+00	50	32	0	64	0	41019	1412	39607
690+00	100	28	0	111	0	41130	1412	39718
690+50	50	33	0	57	0	41187	1412	39775
691+00	50	36	0	64	0	41251	1412	39838
691+25	25	36	0	33	0	41284	1412	39872
692+00	75	33	0	97	0	41381	1412	39968
693+00	100	34	0	124	0	41504	1412	40092
694+00	100	33	0	123	0	41627	1413	40215
695+00	100	32	0	120	0	41747	1413	40335
696+00	100	32	0	120	0	41867	1413	40454
696+75	75	33	0	91	0	41957	1413	40545
697+00	25	30	0	29	0	41987	1413	40574
698+00	100	32	0	116	0	42103	1413	40690
699+00	100	32	0	118	0	42221	1413	40809
700+00	100	37	0	128	0	42349	1413	40936
700+75	75	44	0	113	0	42462	1413	41049
701+00	25	41	0	39	0	42501	1413	41088
702+00	100	34	0	139	0	42641	1413	41228
703+00	100	33	0	124	0	42765	1413	41352
704+00	100	40	0	134	0	42898	1413	41485
705+00	100	38	0	144	0	43042	1413	41629
706+00	100	31	0	129	0	43171	1413	41758

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 419+97 TO STA. 744+00 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
707+00	100	30	1	115	1	43286	1415	41871
707+75	75	41	0	99	1	43384	1416	41968
708+00	25	35	0	35	0	43419	1416	42003
709+00	100	35	0	129	0	43548	1416	42132
710+00	100	35	0	130	0	43679	1416	42262
711+00	100	34	0	129	0	43808	1416	42392
712+00	100	35	0	129	0	43937	1416	42520
713+00	100	34	0	128	0	44065	1416	42649
714+00	100	36	0	130	0	44195	1416	42778
715+00	100	35	0	131	0	44326	1416	42910
716+00	100	31	0	123	0	44449	1417	43032
716+25	25	38	0	32	0	44481	1417	43064
717+00	75	34	0	100	0	44581	1417	43165
718+00	100	32	0	123	0	44704	1417	43287
719+00	100	34	0	123	0	44826	1417	43410
720+00	100	33	0	124	0	44950	1417	43534
721+00	100	34	0	123	0	45074	1417	43656
722+00	100	39	0	134	0	45208	1418	43790
722+50	50	42	0	74	0	45282	1418	43864
723+00	50	35	0	71	0	45353	1418	43936
724+00	100	30	0	119	0	45473	1418	44055
725+00	100	35	0	120	0	45593	1418	44175
726+00	100	35	0	131	0	45724	1418	44305
727+00	100	36	0	131	0	45855	1418	44437
728+00	100	35	0	132	0	45986	1418	44568
729+00	100	37	0	134	0	46120	1418	44702
730+00	100	34	0	132	0	46253	1418	44834
731+00	100	35	0	129	0	46382	1418	44964
732+00	100	38	0	135	0	46517	1418	45099
733+00	100	46	0	154	0	46672	1418	45253
733+36	36	48	27	63	18	46734	1436	45298
733+61	25	47	34	44	28	46778	1464	45314
733+72	11	47	43	19	15	46797	1479	45317
733+86	14	44	40	24	22	46821	1501	45319
733+97	11	43	31	17	14	46838	1515	45323
734+00	3	43	26	5	3	46843	1519	45324
734+22	22	41	11	34	15	46877	1534	45343
735+00	78	39	1	116	17	46993	1551	45441
736+00	100	37	2	140	6	47133	1557	45575
736+55	55	34	10	72	12	47205	1569	45635
736+80	25	35	25	32	16	47237	1585	45651
736+91	11	35	37	14	12	47251	1598	45653

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 419+97 TO STA. 744+00 (CONTINUED)

STATION	Distance	AREA (SF)		Incremental Vol (CY)		Cumulative Vol (CY)		Mass Ordinate Note 1
		Cut	Fill	Cut	Fill	Cut 1.00	Fill 1.00	
737+00	9	34	55	12	16	47263	1614	45649
737+05	5	35	58	6	10	47269	1624	45645
737+16	11	33	67	14	25	47282	1649	45634
737+41	25	34	60	31	59	47314	1707	45606
738+00	59	32	0	73	66	47387	1773	45613
739+00	100	27	0	110	0	47497	1773	45723
740+00	100	35	1	116	1	47613	1774	45838
741+00	100	32	0	125	1	47738	1775	45963
742+00	100	41	0	135	0	47873	1775	46097
743+00	100	37	0	144	0	48016	1775	46241
744+00	100	40	0	143	0	48160	1775	46384
				48160	1775			

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 745+00 TO STA. 767+77

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
745+00	100	42	0	156	0	156	0	156
745+25	25	47	0	41	0	197	0	197
746+00	75	43	0	125	0	322	0	322
747+00	100	44	3	161	5	482	5	477
748+00	100	60	0	192	5	675	10	665
748+42	42	60	0	93	0	768	10	758
749+00	58	50	1	118	1	886	11	875
750+00	100	52	2	189	6	1075	17	1058
751+00	100	51	1	191	5	1266	23	1243
752+00	100	47	0	182	1	1448	24	1424
753+00	100	46	0	172	0	1620	24	1596
754+00	100	41	1	161	1	1781	25	1756
755+00	100	41	1	151	3	1932	29	1903
755+50	50	38	2	73	3	2005	32	1973
756+00	50	33	4	66	5	2071	37	2034
757+00	100	44	0	143	7	2214	45	2169
758+00	100	41	0	157	1	2370	46	2324
759+00	100	41	0	151	1	2522	47	2475
760+00	100	40	0	149	0	2671	47	2624
761+00	100	36	0	140	0	2810	47	2763
762+00	100	38	0	136	0	2946	47	2899
762+75	75	44	0	113	0	3060	48	3012
763+00	25	43	0	40	0	3100	48	3052
764+00	100	41	0	157	0	3257	48	3209
764+02	2	42	0	3	0	3259	48	3212
764+25	23	53	0	41	0	3300	48	3252
764+43	18	51	0	34	0	3334	48	3286
764+68	25	47	3	45	1	3379	49	3330
764+93	25	44	0	42	1	3422	50	3371
765+00	7	44	0	12	0	3433	50	3383
765+40	40	47	0	68	0	3501	50	3450
765+65	25	46	0	43	0	3544	50	3494
765+90	25	45	0	43	0	3586	50	3536
766+00	10	46	0	17	0	3603	50	3553
767+00	100	48	1	173	1	3776	52	3724
767+77	77	54	122	144	174	3920	226	3694
				3920	226			

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 769+23 TO STA. 807+50

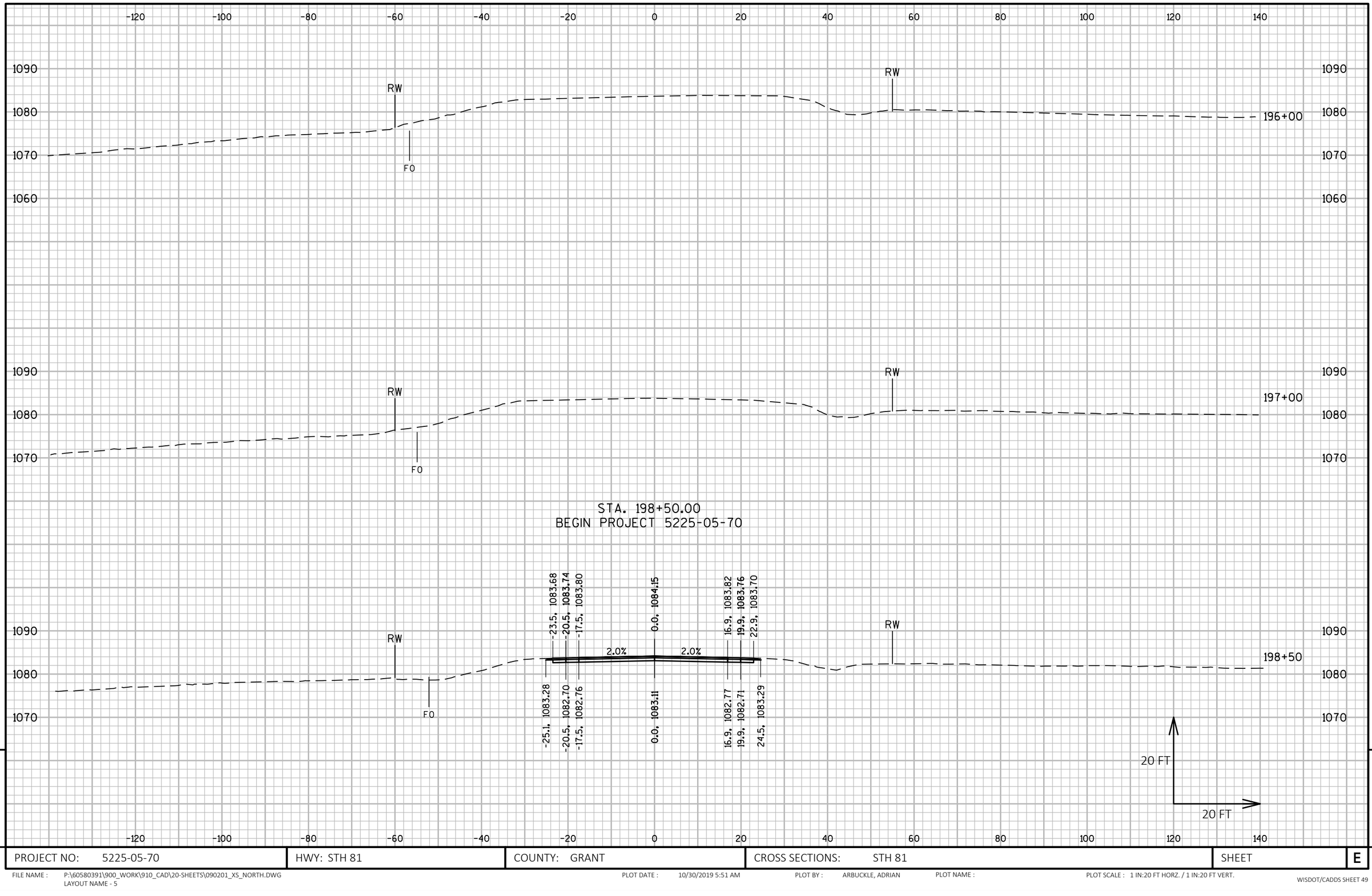
STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
769+23	0	0	51	0	0	3920	226	3694
770+00	77	53	0	76	73	3996	298	3698
771+00	2575	51	0	4241	481	4438	481	3956
771+20	20	51	0	38	0	4475	481	3994
771+45	25	63	0	53	0	4528	481	4047
771+70	25	61	0	57	0	4585	481	4104
772+00	30	66	0	70	0	4656	481	4174
772+50	50	58	0	114	0	4770	482	4288
773+00	50	48	0	97	0	4867	482	4385
774+00	100	42	0	166	0	5034	482	4551
775+00	100	56	0	182	0	5215	482	4733
776+00	100	46	0	189	0	5404	482	4922
777+00	100	40	0	159	0	5563	482	5081
778+00	100	44	0	156	0	5719	483	5236
779+00	100	44	0	163	0	5882	483	5399
780+00	100	50	0	175	0	6057	483	5574
781+00	100	49	0	184	0	6241	483	5759
782+00	100	51	14	185	26	6426	509	5918
783+00	100	47	1	182	27	6608	536	6072
784+00	100	48	16	176	32	6784	568	6216
785+00	100	44	0	171	30	6955	598	6357
786+00	100	39	9	155	17	7111	616	6495
787+00	100	39	3	145	22	7256	638	6618
787+75	75	43	0	114	4	7369	642	6727
788+00	25	39	5	38	2	7407	644	6763
789+00	100	41	12	149	31	7557	675	6882
790+00	100	40	15	151	49	7708	724	6984
791+00	100	43	15	153	54	7861	779	7083
791+75	75	48	11	126	35	7987	814	7174
792+00	25	42	10	42	10	8029	823	7206

Note 1: Mass Ordinate = Cut - Fill

STH 81 - STA. 769+23 TO STA. 807+50 (CONTINUED)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) Cut	Incremental Vol (CY) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Fill 1.00	Mass Ordinate Note 1
792+50	50	48	0	83	10	8112	833	7279
793+00	50	43	10	85	9	8197	842	7355
794+00	100	41	8	157	32	8354	874	7480
795+00	100	37	10	144	33	8498	907	7591
796+00	100	36	5	134	28	8632	936	7696
796+93	93	50	0	147	8	8779	944	7834
797+00	7	49	0	13	0	8792	944	7848
797+50	50	43	0	85	0	8877	944	7933
798+00	50	38	7	75	7	8953	951	8002
798+25	25	38	2	35	4	8988	955	8033
798+50	25	36	0	34	1	9022	956	8066
799+00	50	37	5	68	5	9090	961	8129
799+25	25	44	0	37	2	9128	963	8164
799+50	25	43	2	40	1	9168	964	8204
800+00	50	42	1	79	3	9247	967	8280
801+00	100	40	0	152	2	9400	968	8431
801+25	25	48	0	41	0	9440	968	8472
802+00	75	38	2	120	3	9560	971	8589
802+75	75	47	0	118	3	9679	974	8705
803+00	25	42	1	41	0	9719	974	8745
804+00	100	35	8	143	15	9862	990	8873
804+75	75	51	0	120	10	9983	1000	8983
805+00	25	36	2	40	1	10023	1001	9022
806+00	100	39	1	139	5	10162	1005	9157
806+50	50	50	1	83	1	10245	1007	9238
807+00	50	42	2	85	2	10330	1009	9322
807+49	49	41	0	76	2	10406	1010	9396
				10285	1083			

Note 1: Mass Ordinate = Cut - Fill



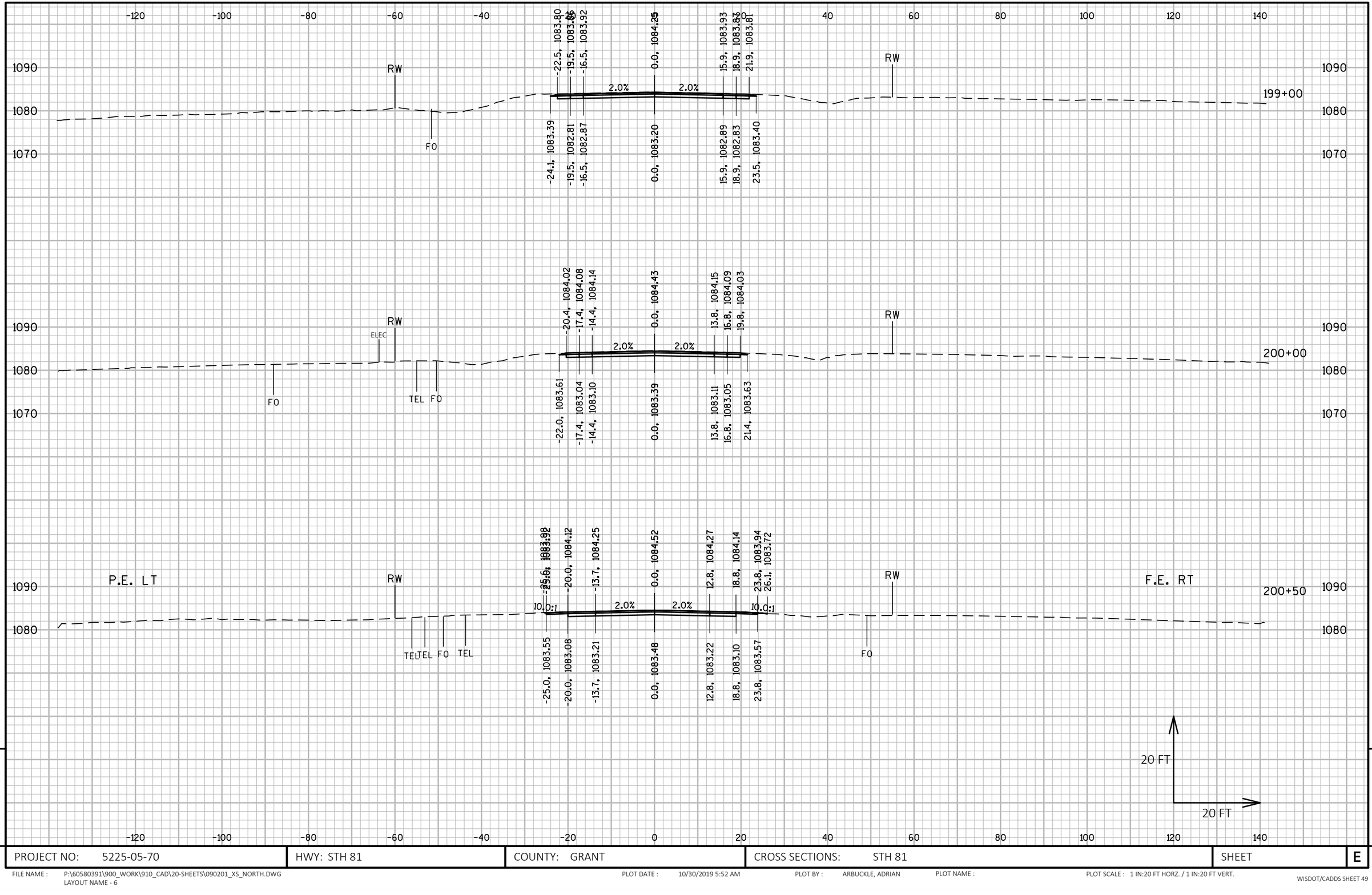
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 5

PLOT DATE : 10/30/2019 5:51 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

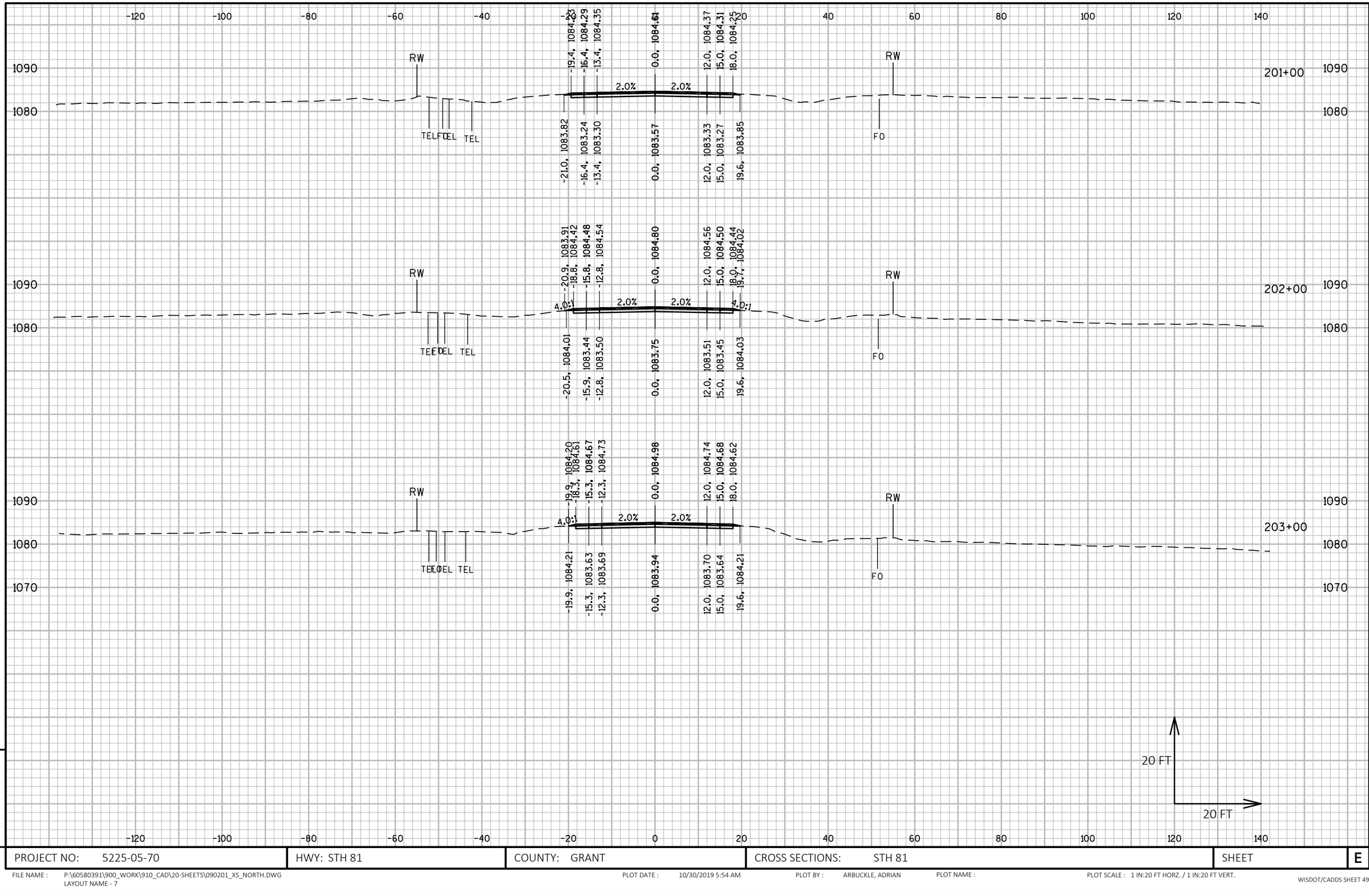


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 6

PLOT DATE : 10/30/2019 5:52 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

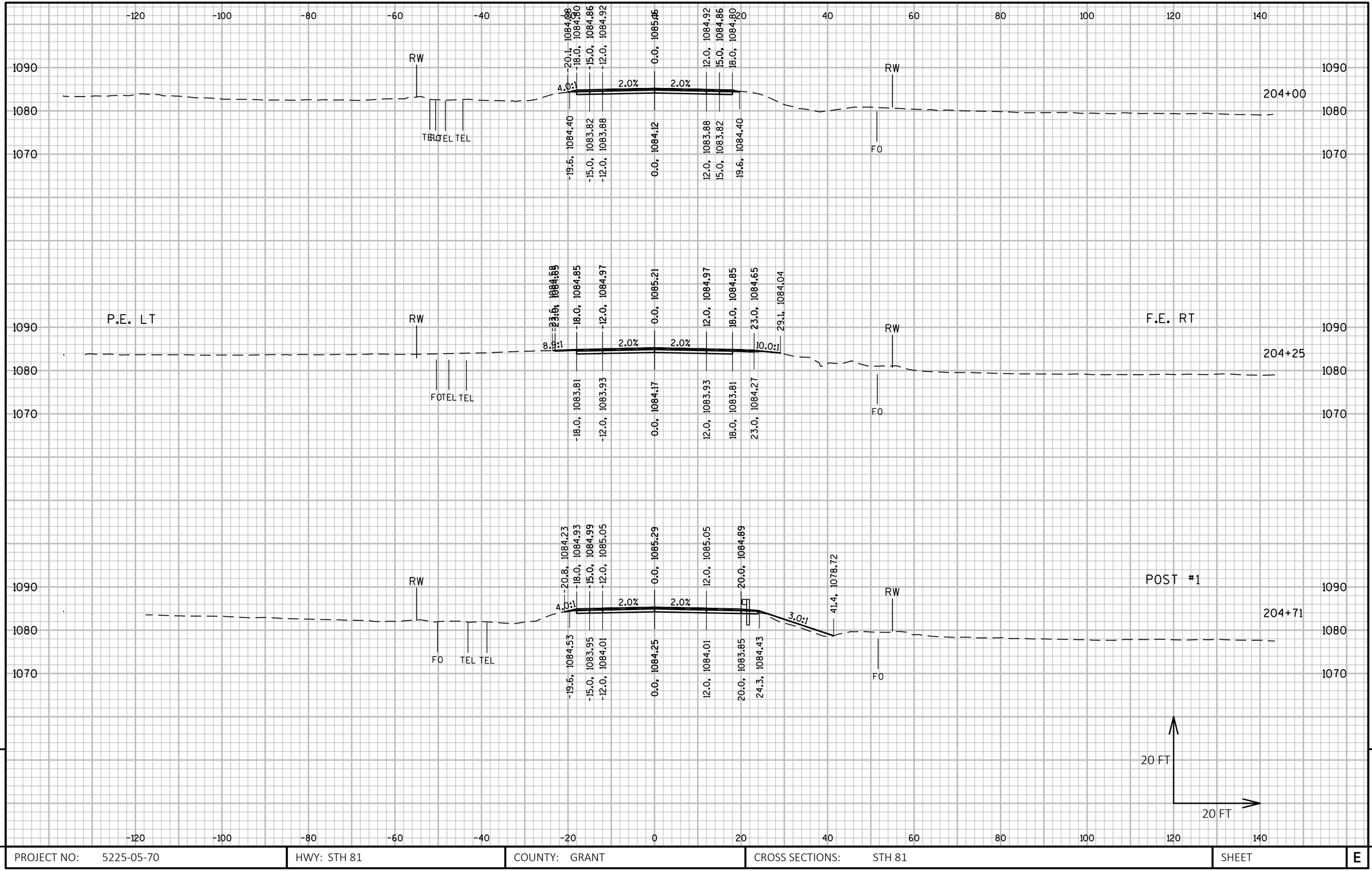


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 7

PLOT DATE : 10/30/2019 5:54 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



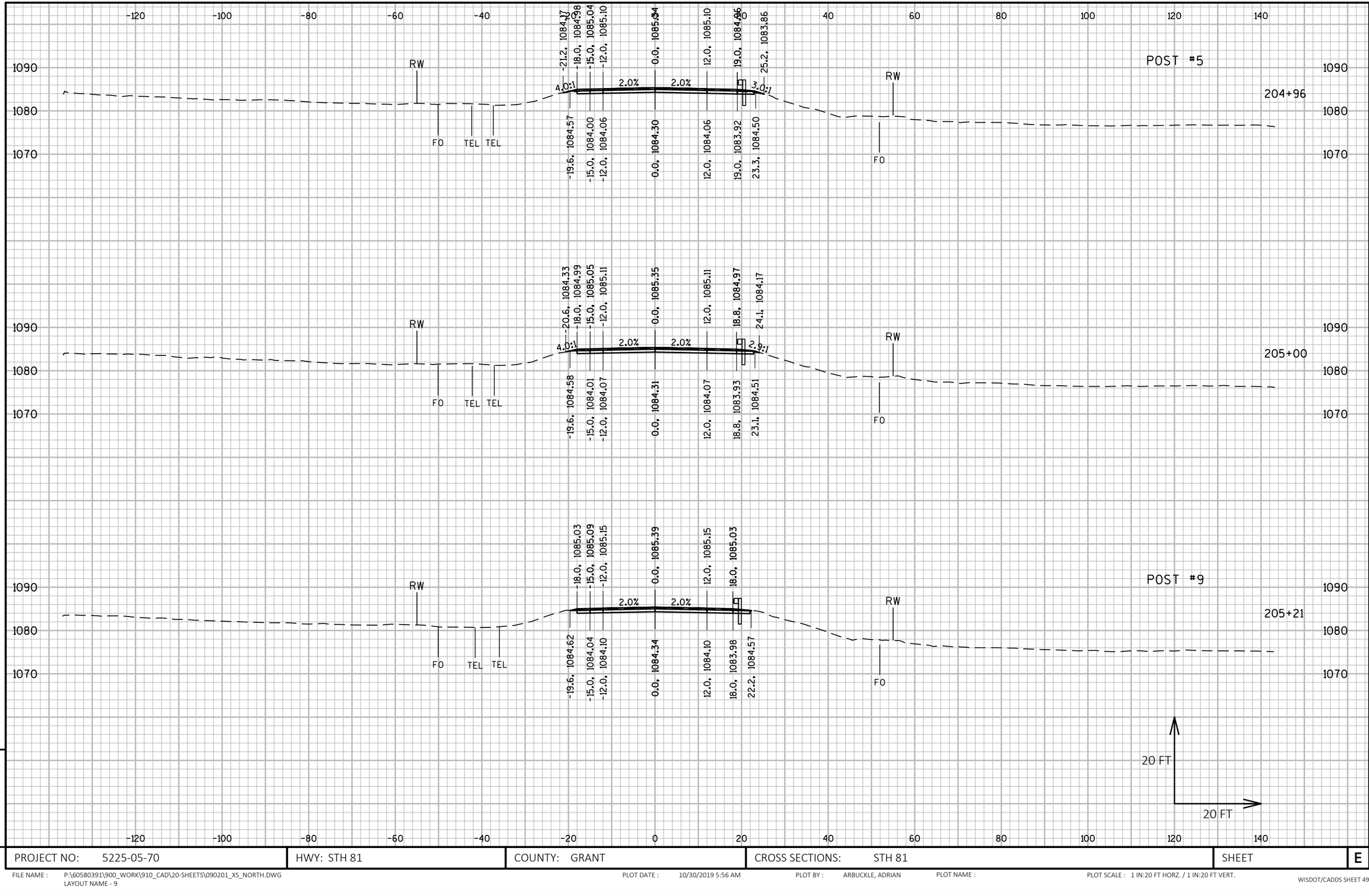
9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 8

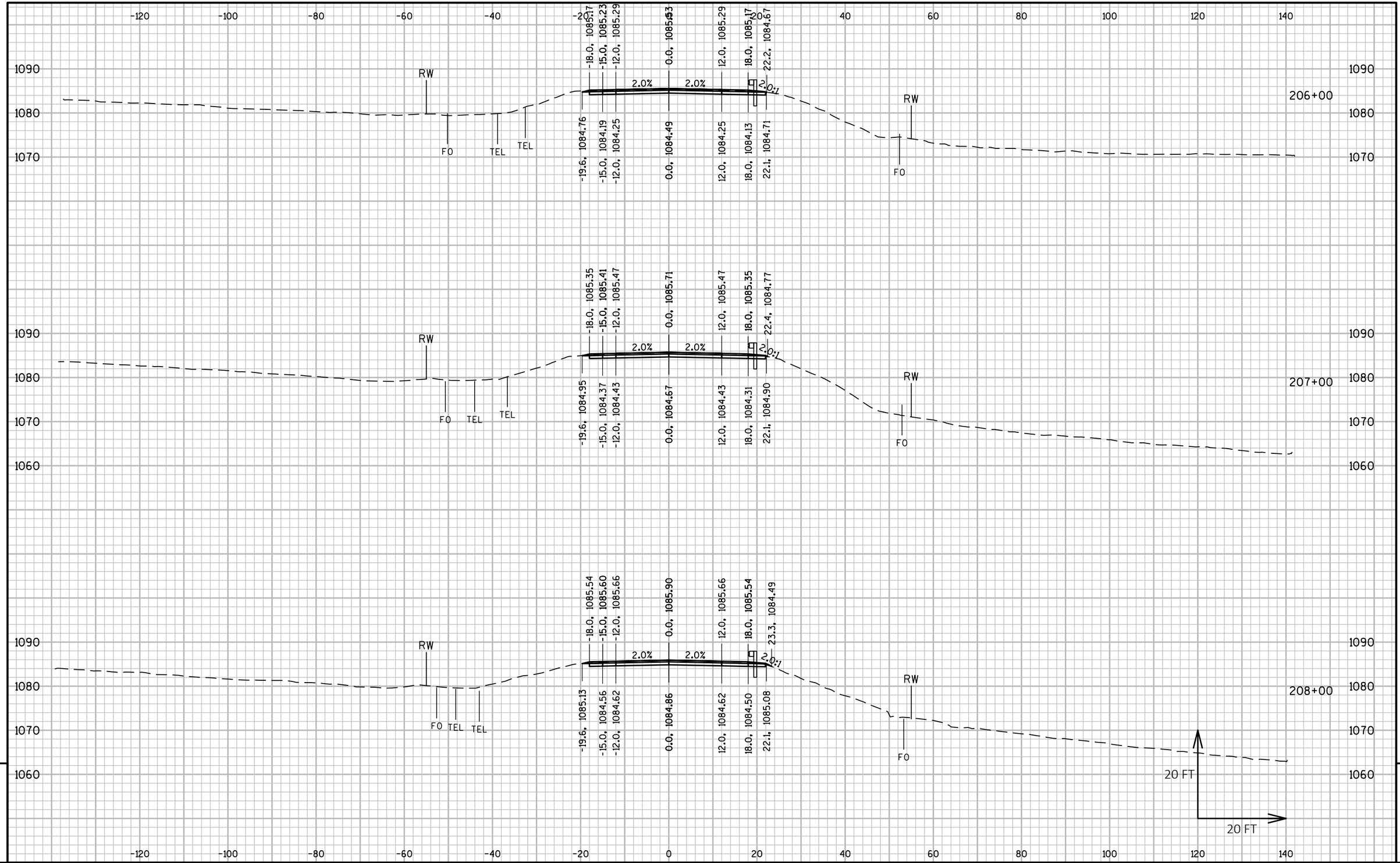
PLOT DATE : 10/30/2019 5:55 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 9
PLOT DATE : 10/30/2019 5:56 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

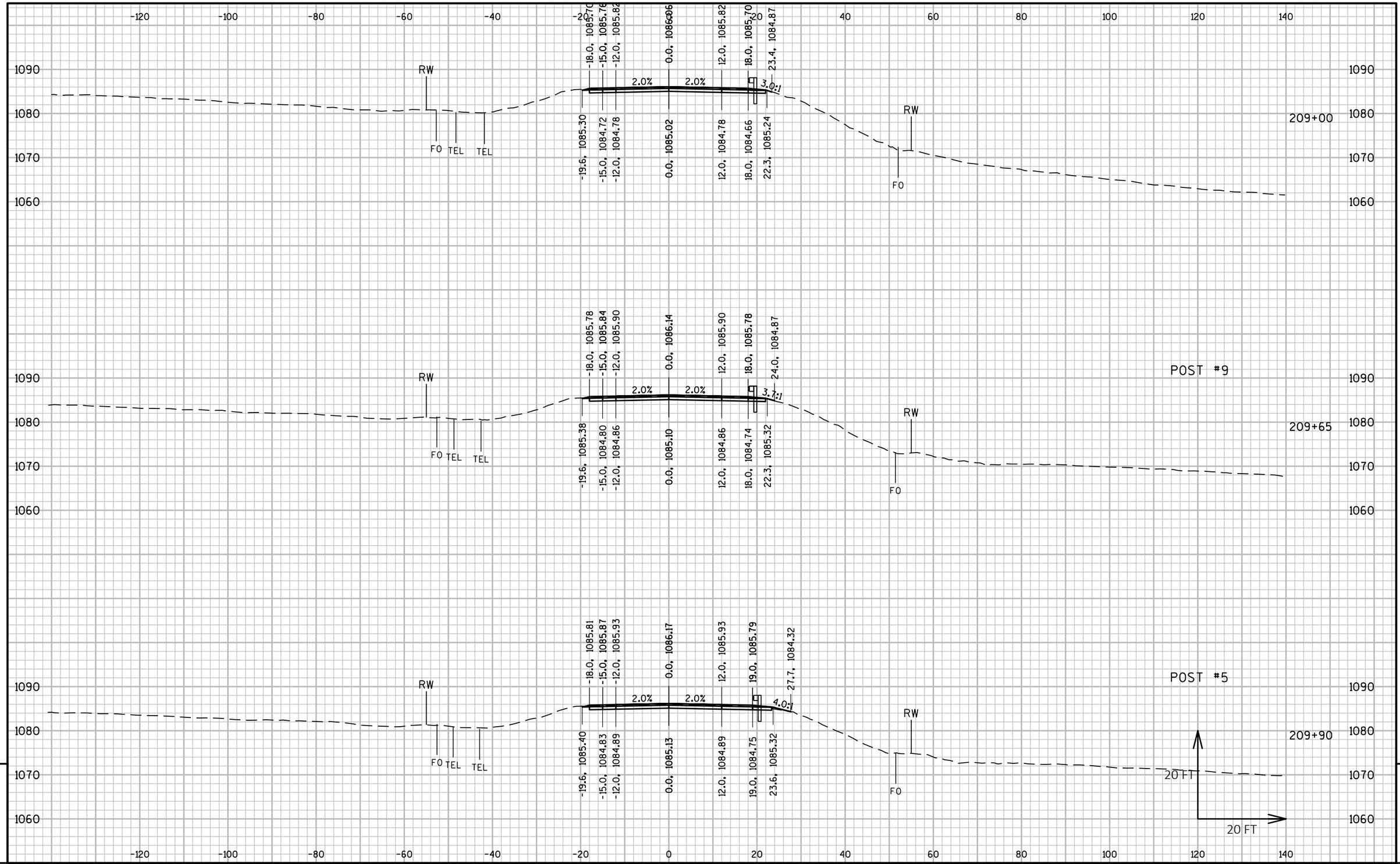
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 10

PLOT DATE : 10/30/2019 5:57 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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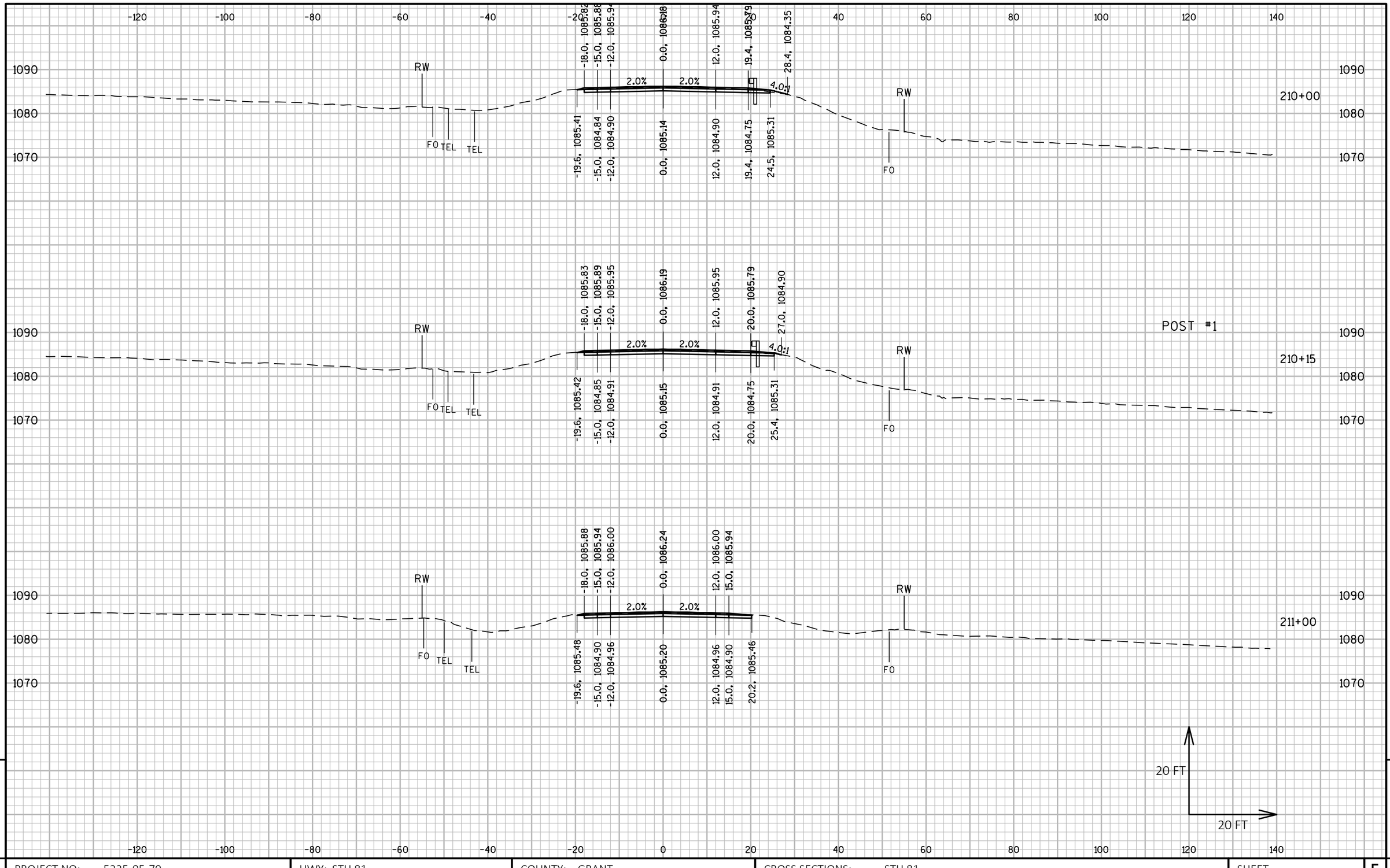
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 11

PLOT DATE : 10/30/2019 5:59 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

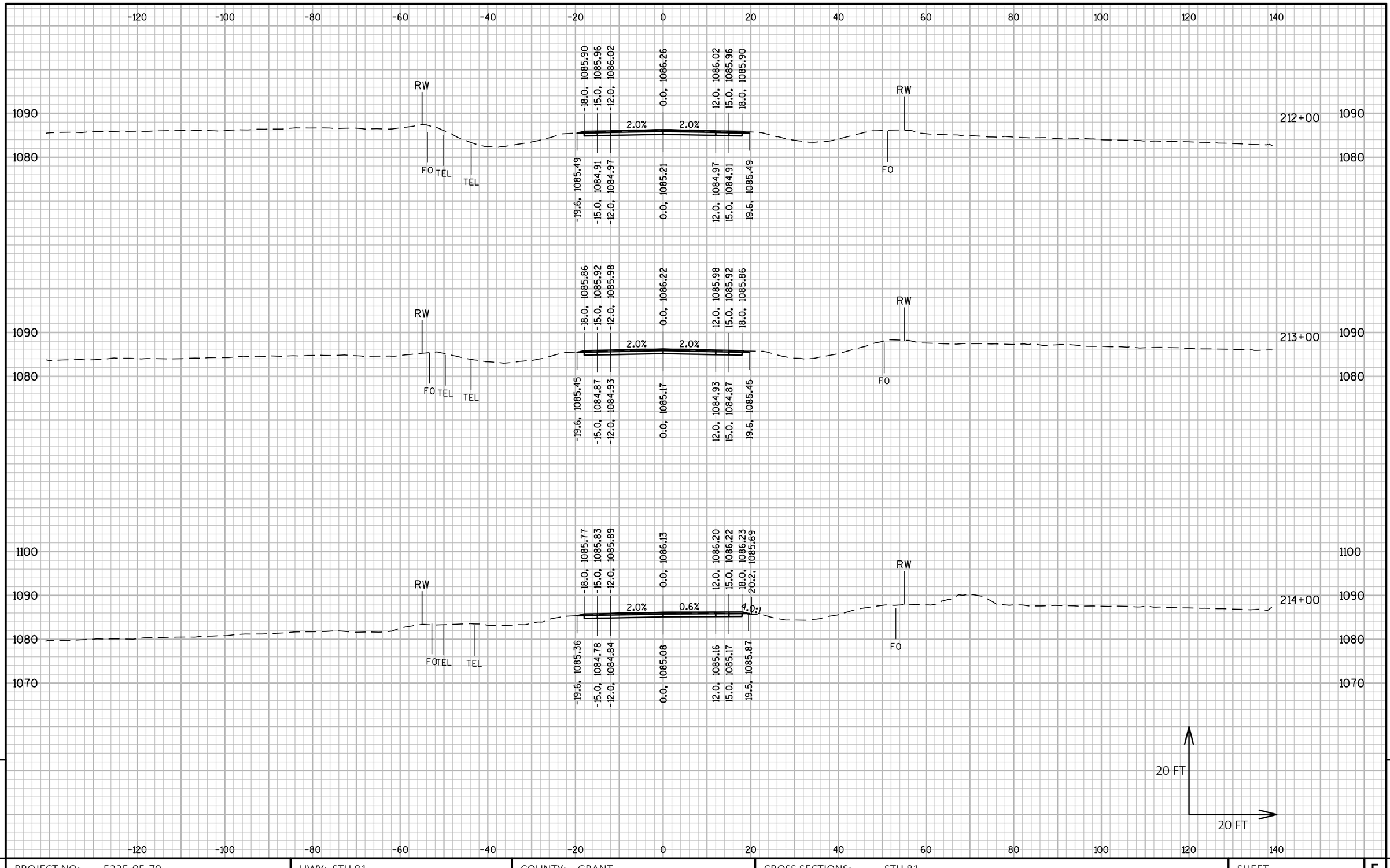


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 12

PLOT DATE : 10/30/2019 6:00 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

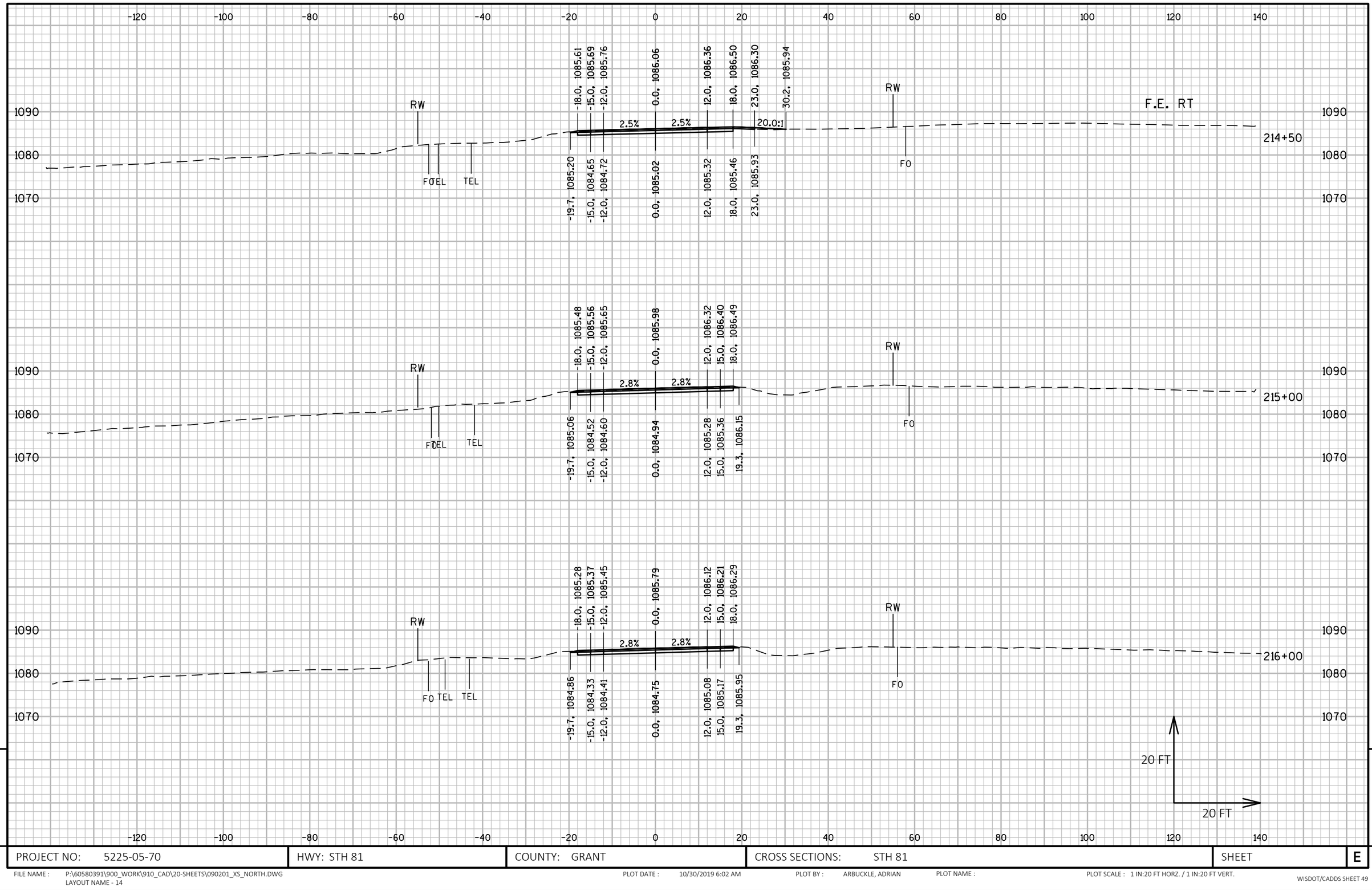


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 13

PLOT DATE : 10/30/2019 6:01 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

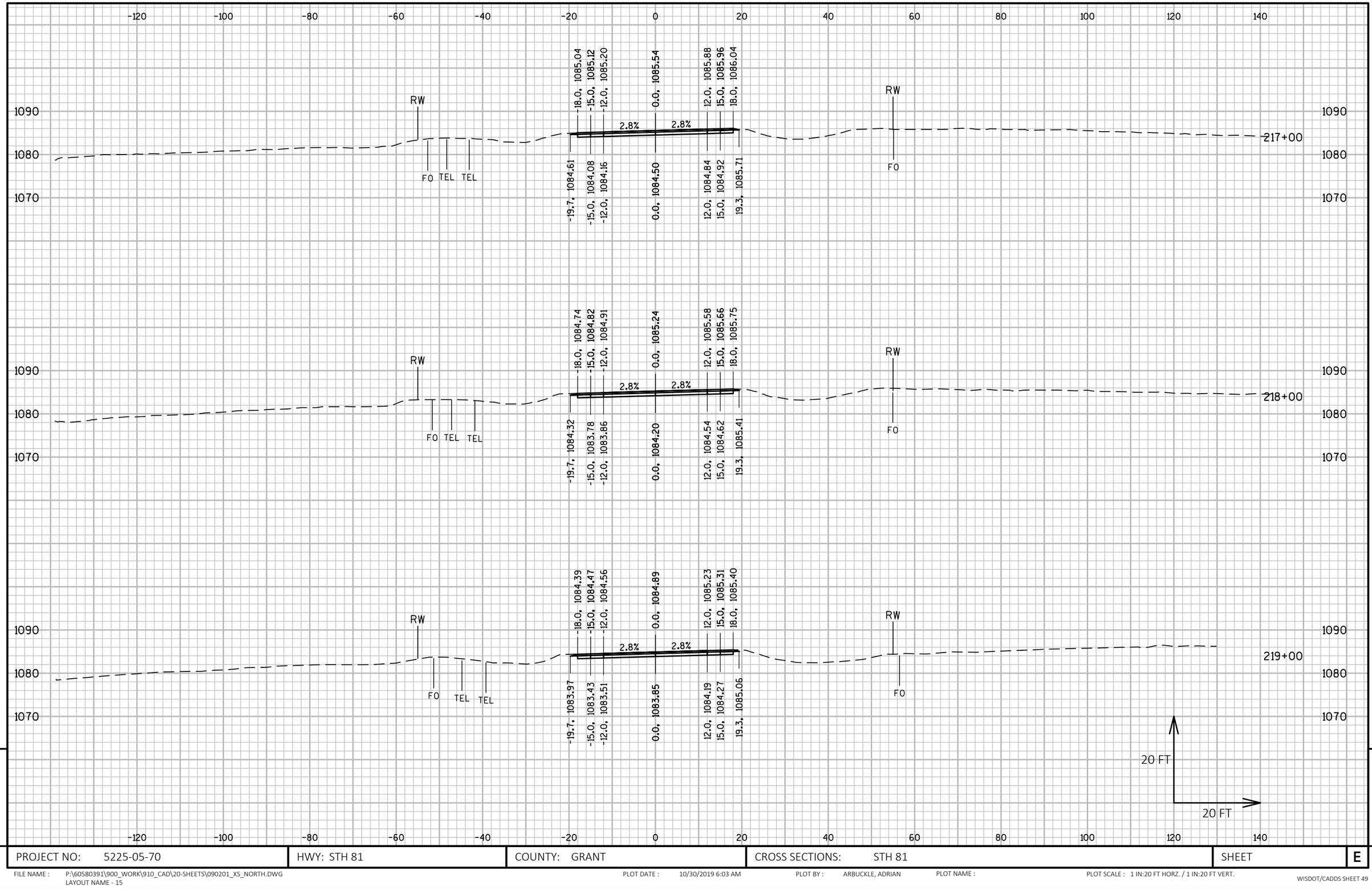


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 14

PLOT DATE : 10/30/2019 6:02 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

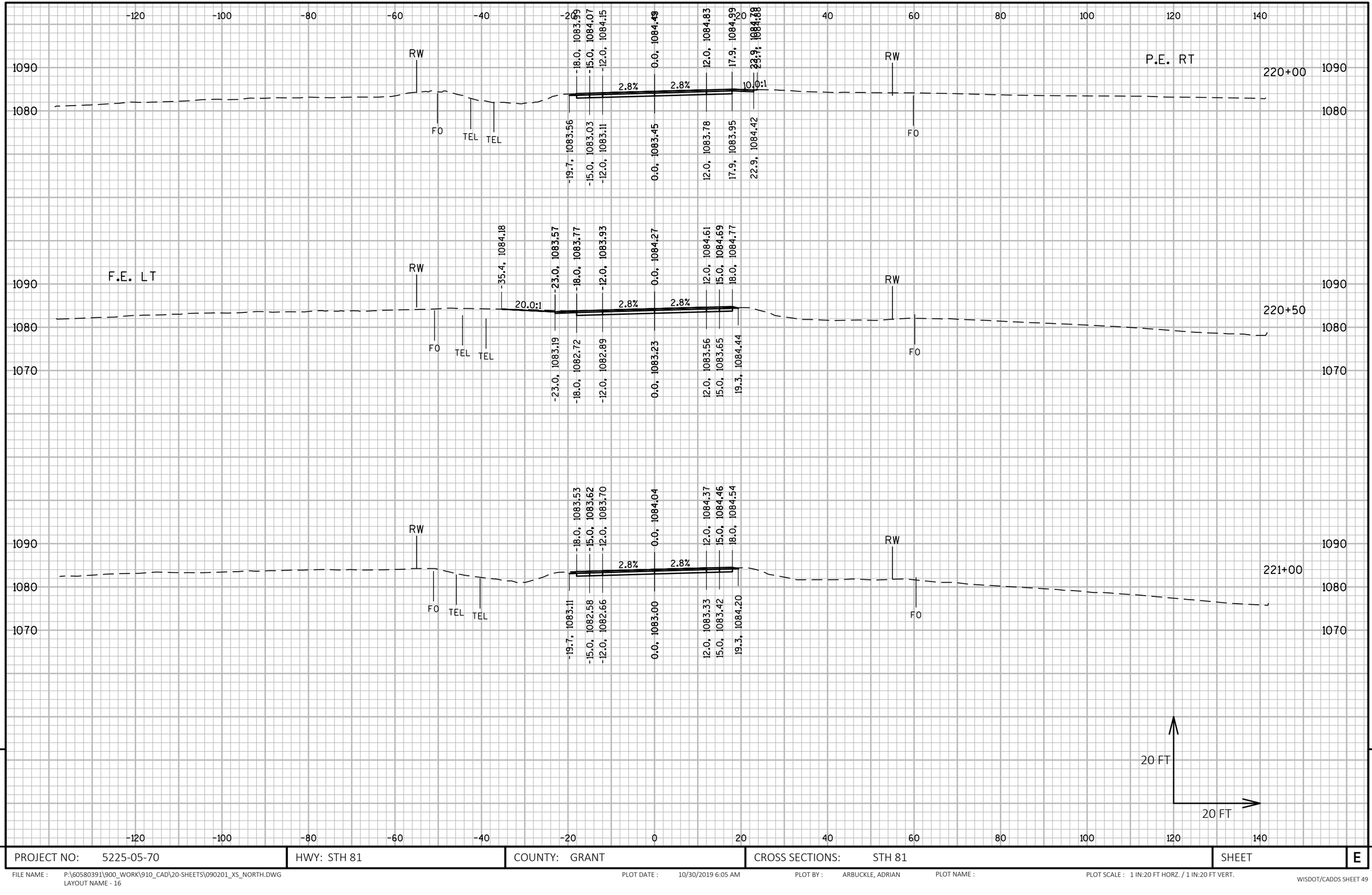


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 15

PLOT DATE : 10/30/2019 6:03 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



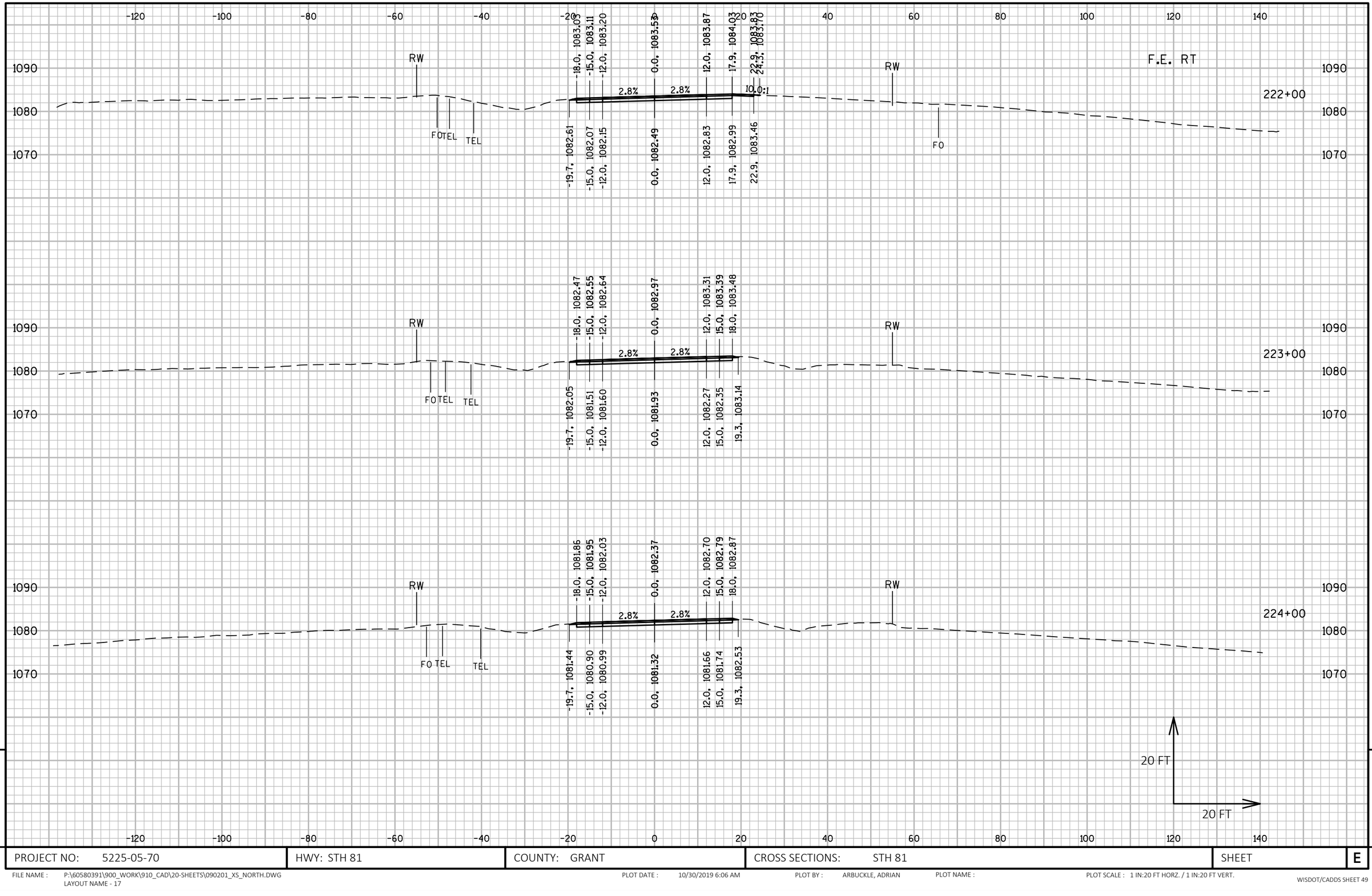
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 16

PLOT DATE : 10/30/2019 6:05 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

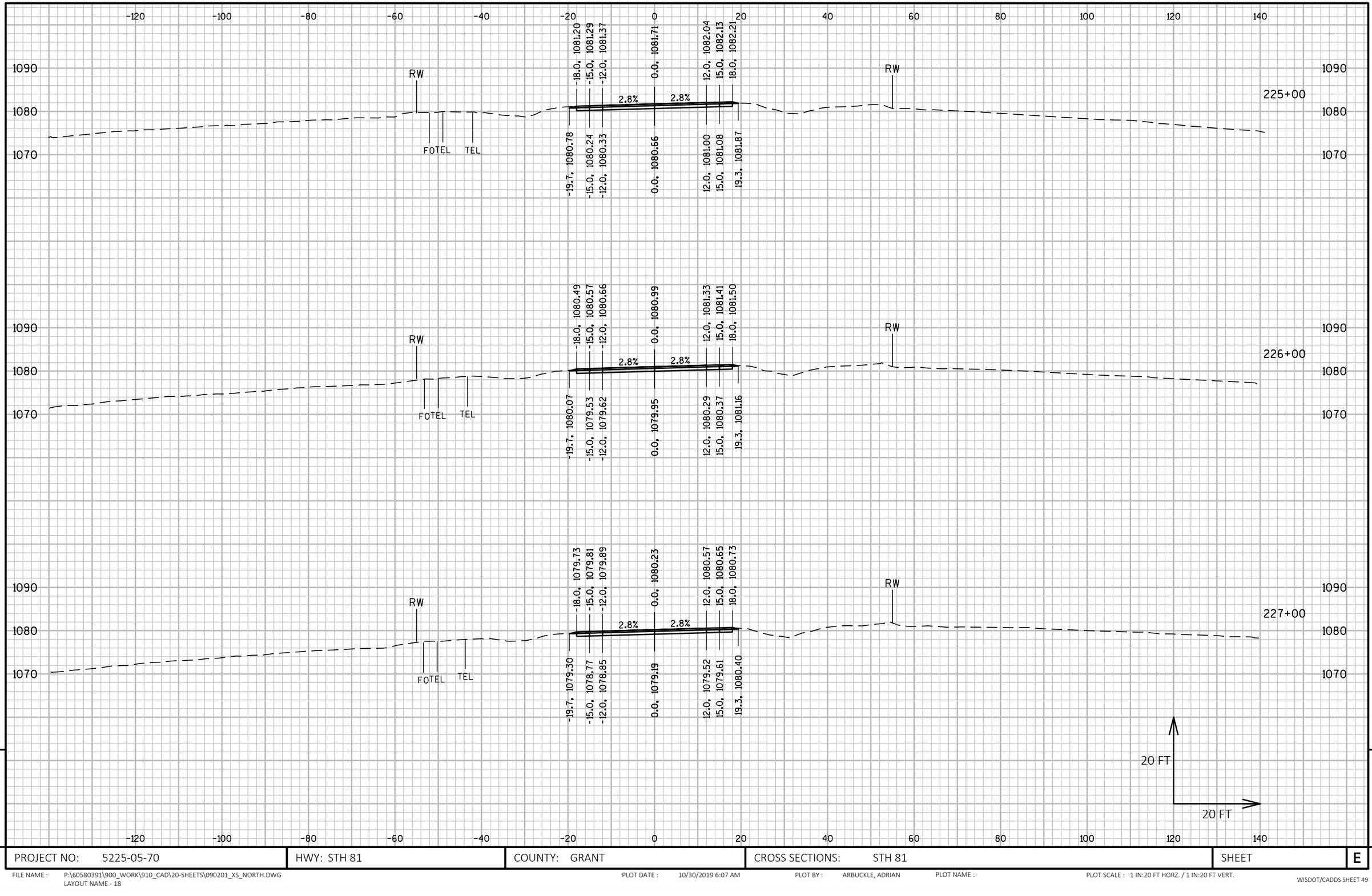


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 17

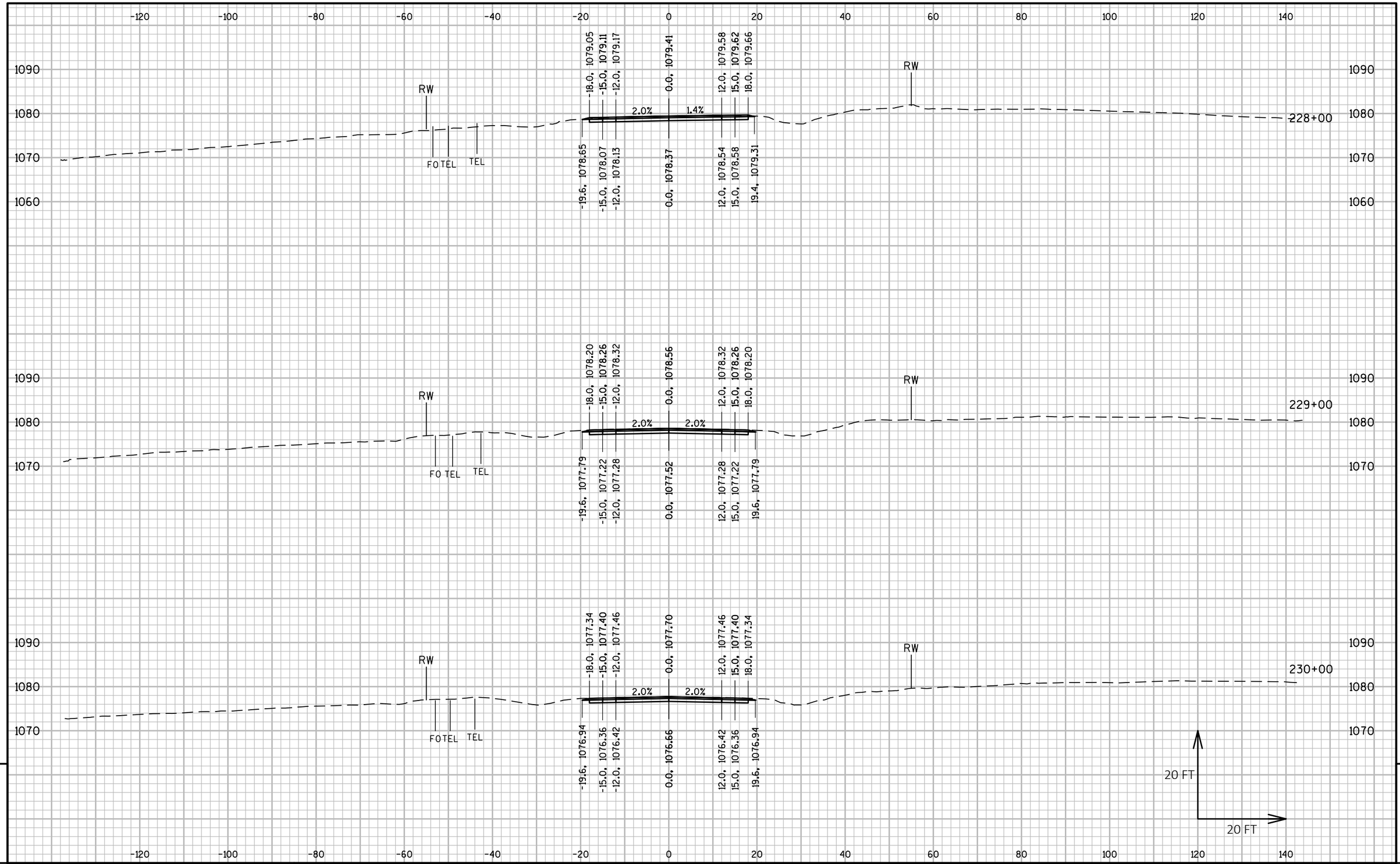
PLOT DATE : 10/30/2019 6:06 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 18
PLOT DATE : 10/30/2019 6:07 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



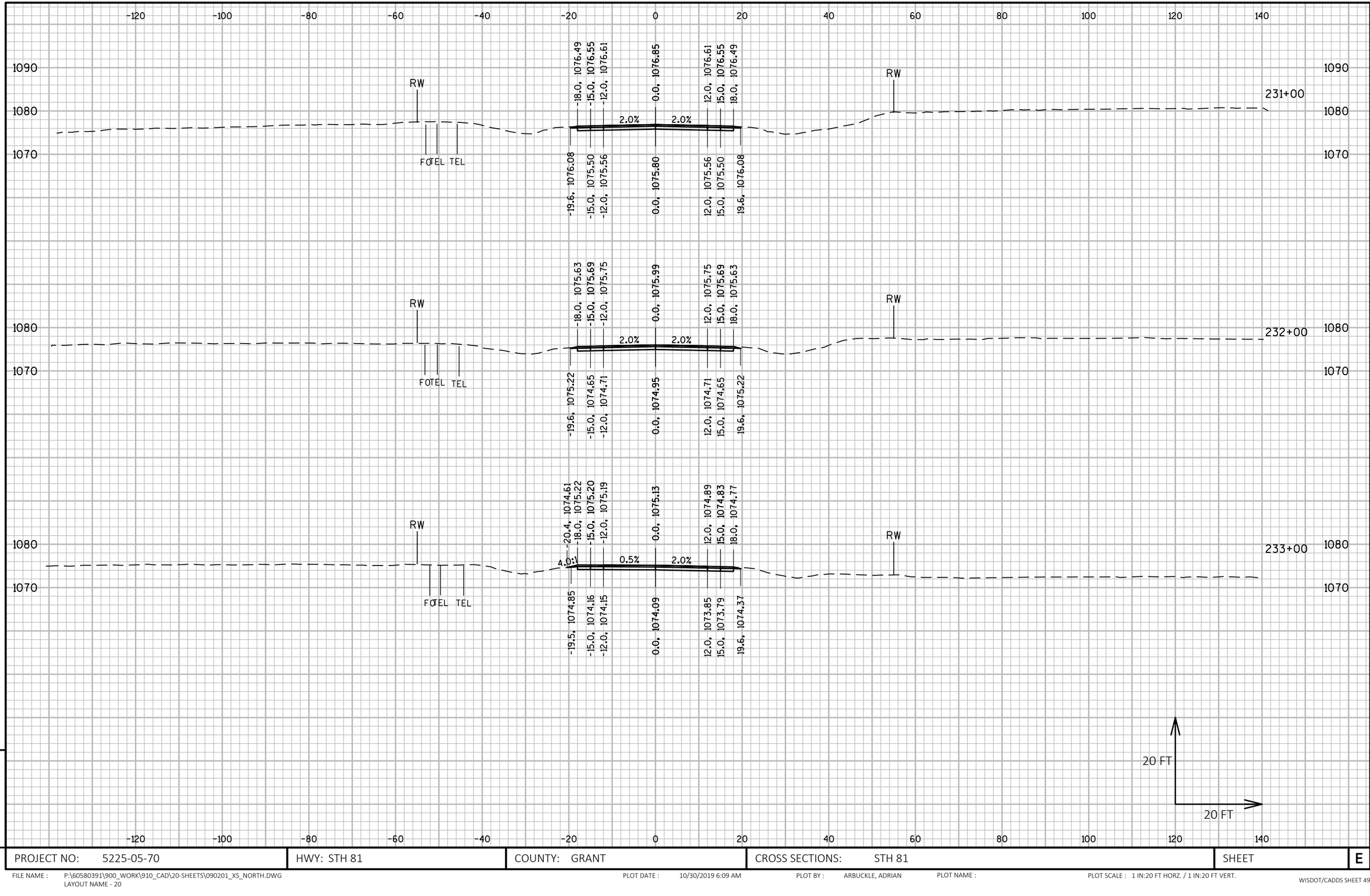
9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 19

PLOT DATE : 10/30/2019 6:08 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

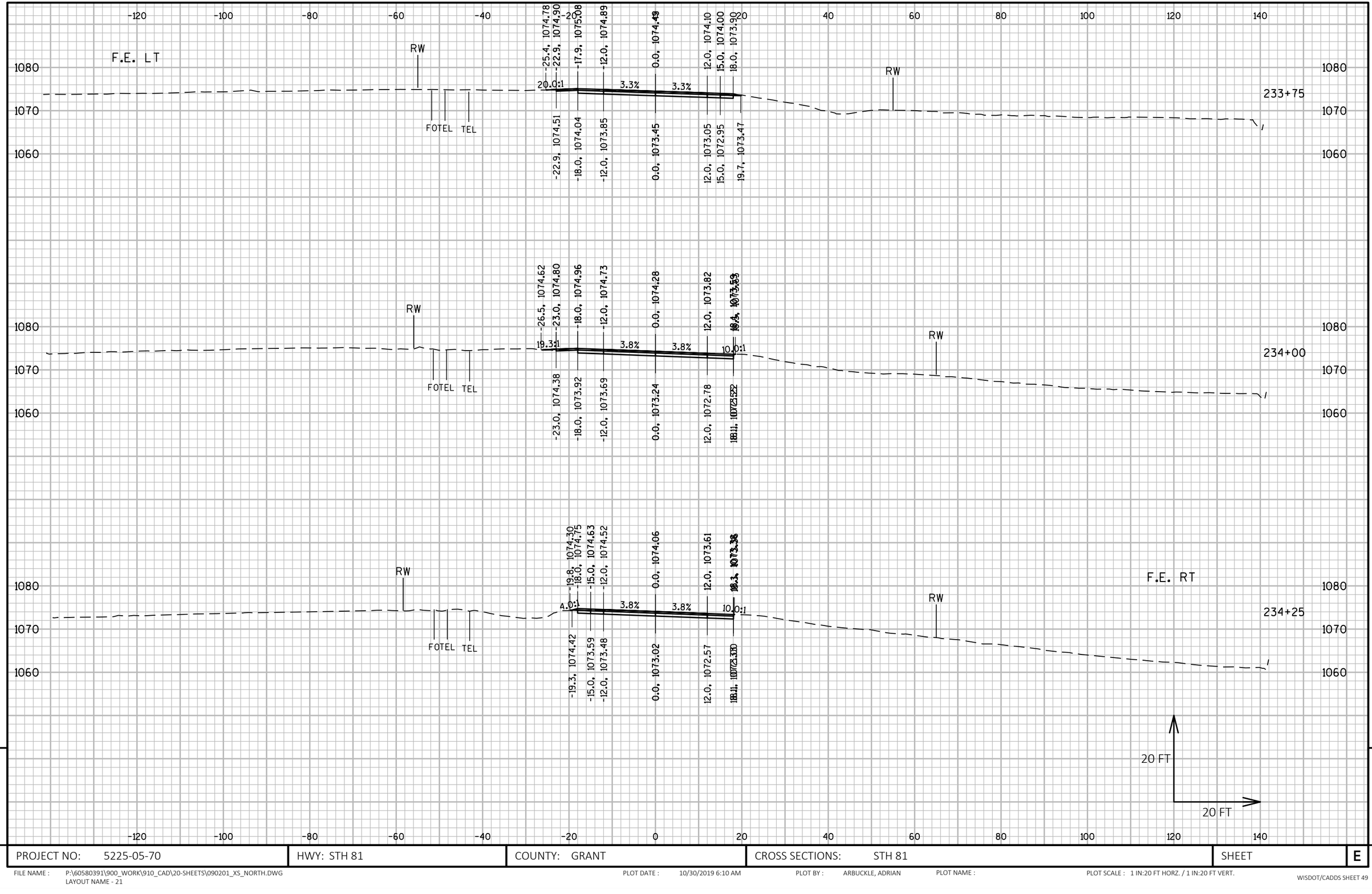


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 20

PLOT DATE : 10/30/2019 6:09 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

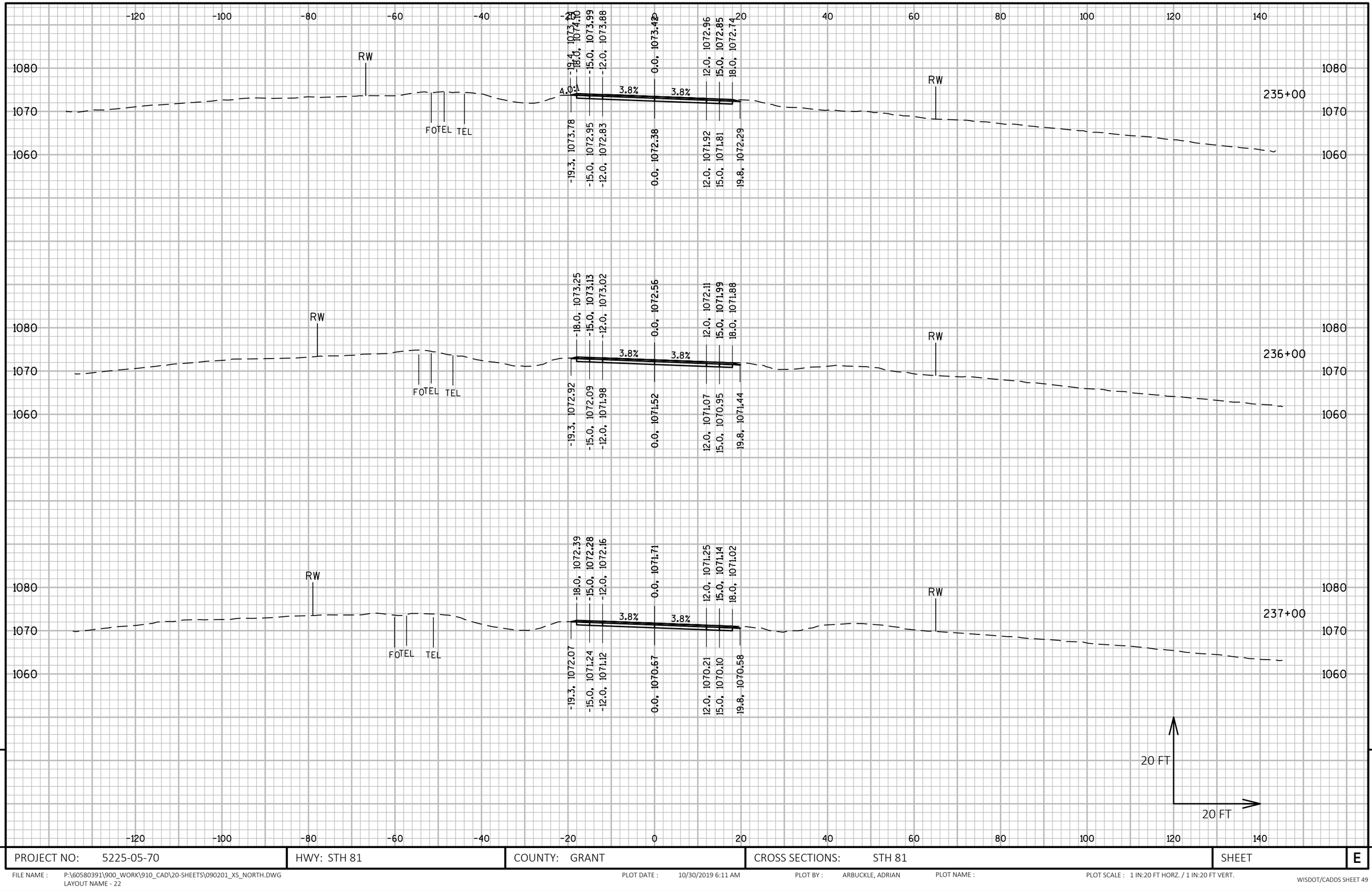


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 21

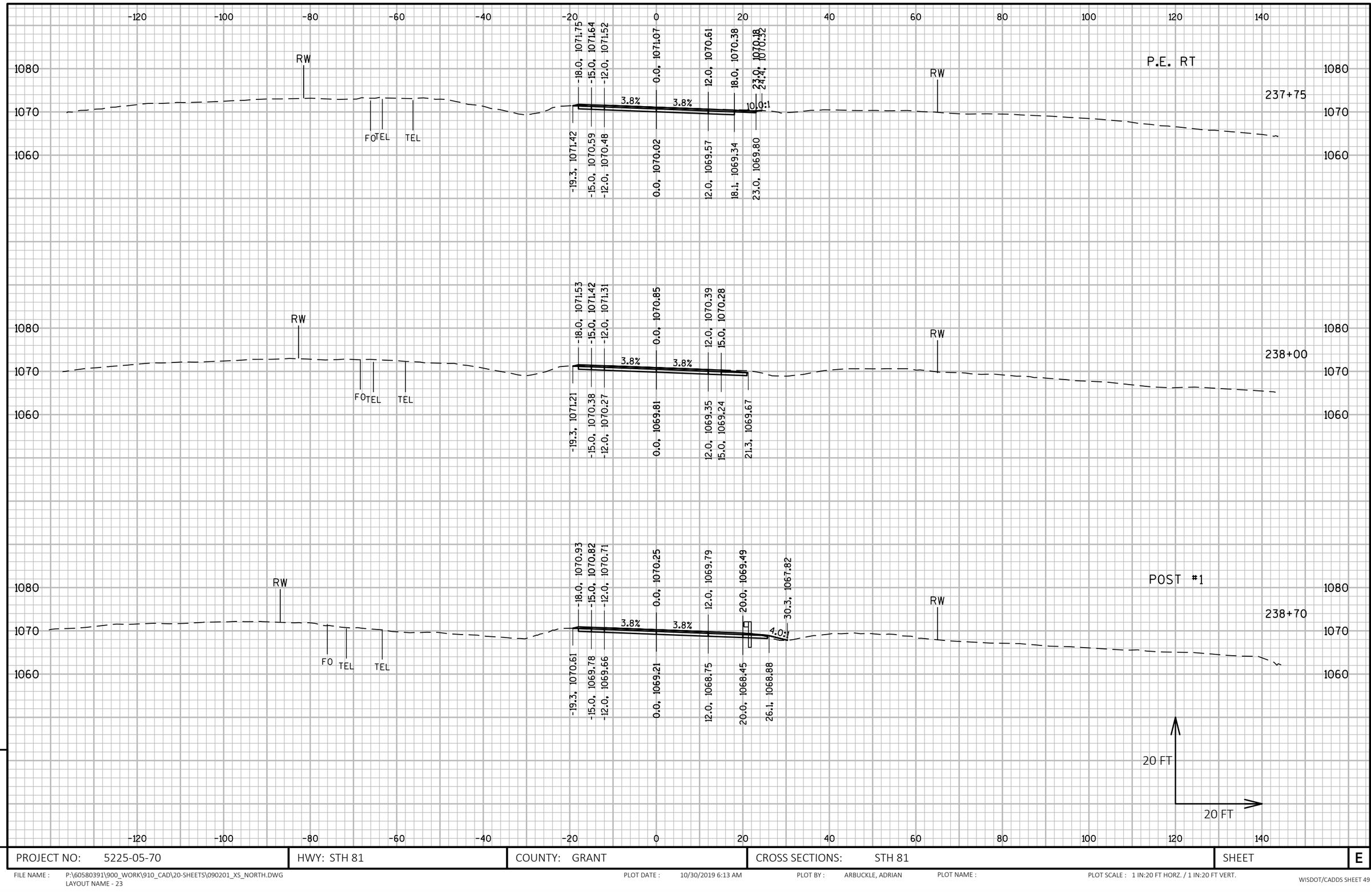
PLOT DATE : 10/30/2019 6:10 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

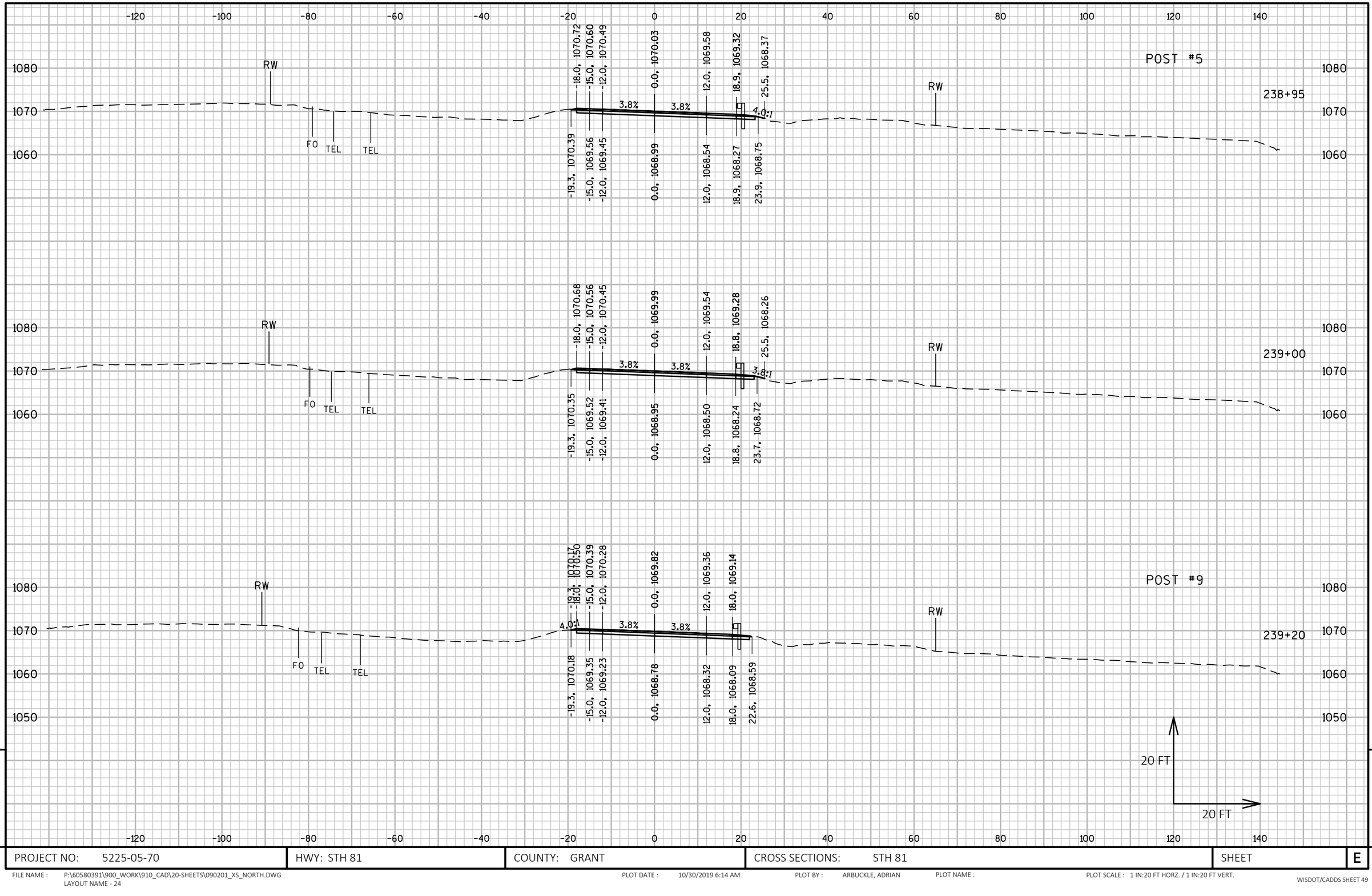


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 23

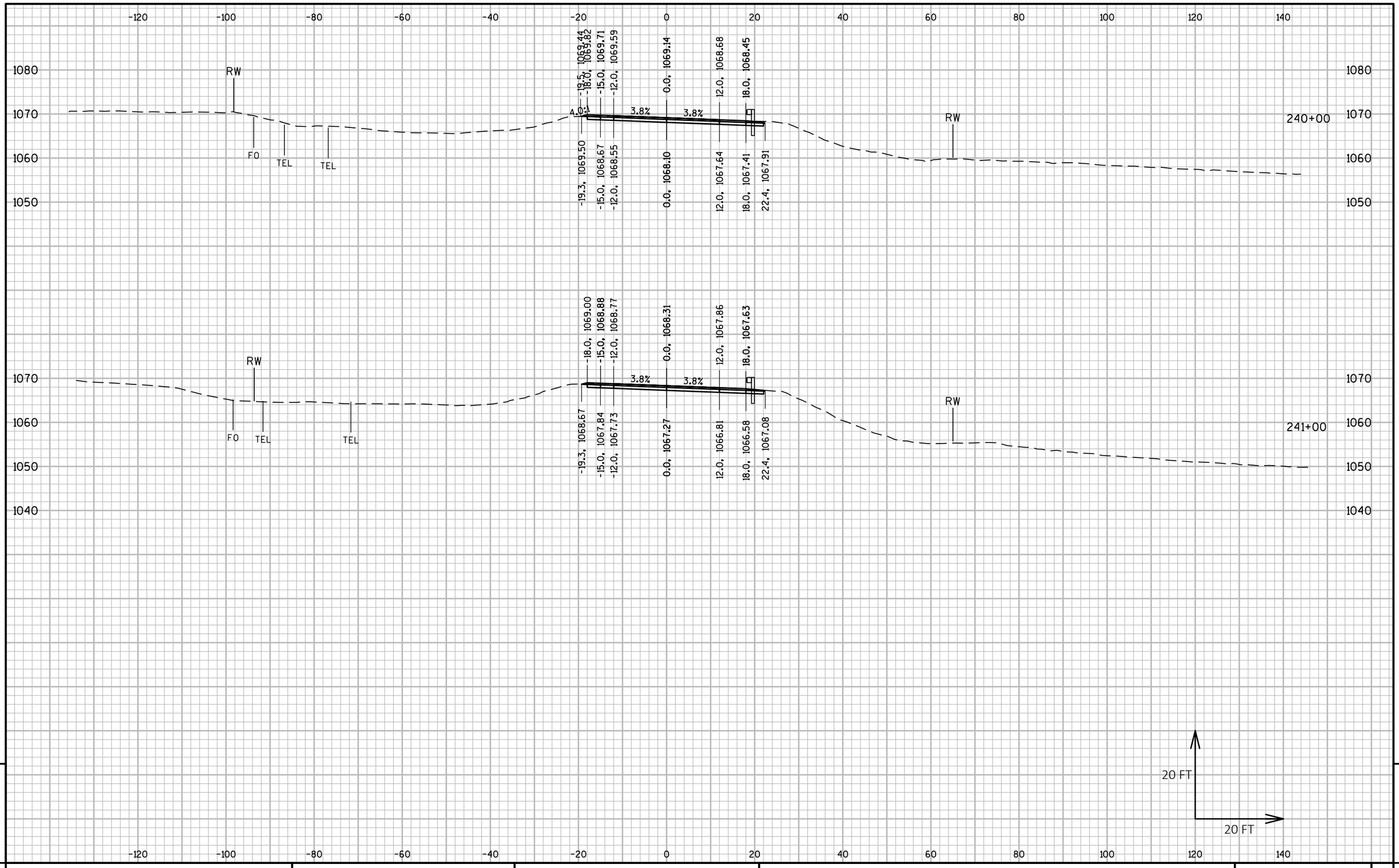
PLOT DATE : 10/30/2019 6:13 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 24

PLOT DATE : 10/30/2019 6:14 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

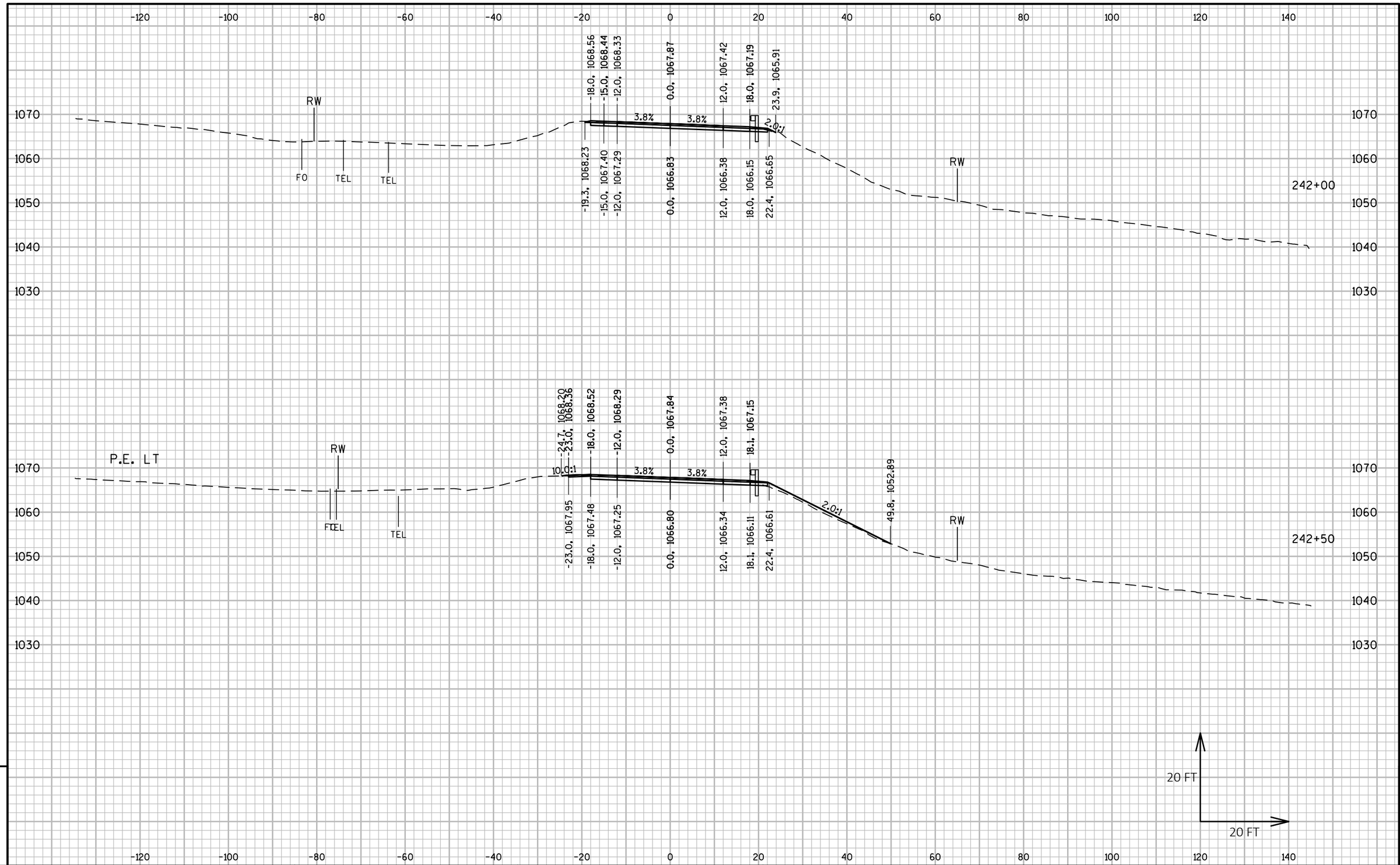


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 25

PLOT DATE : 10/30/2019 6:15 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

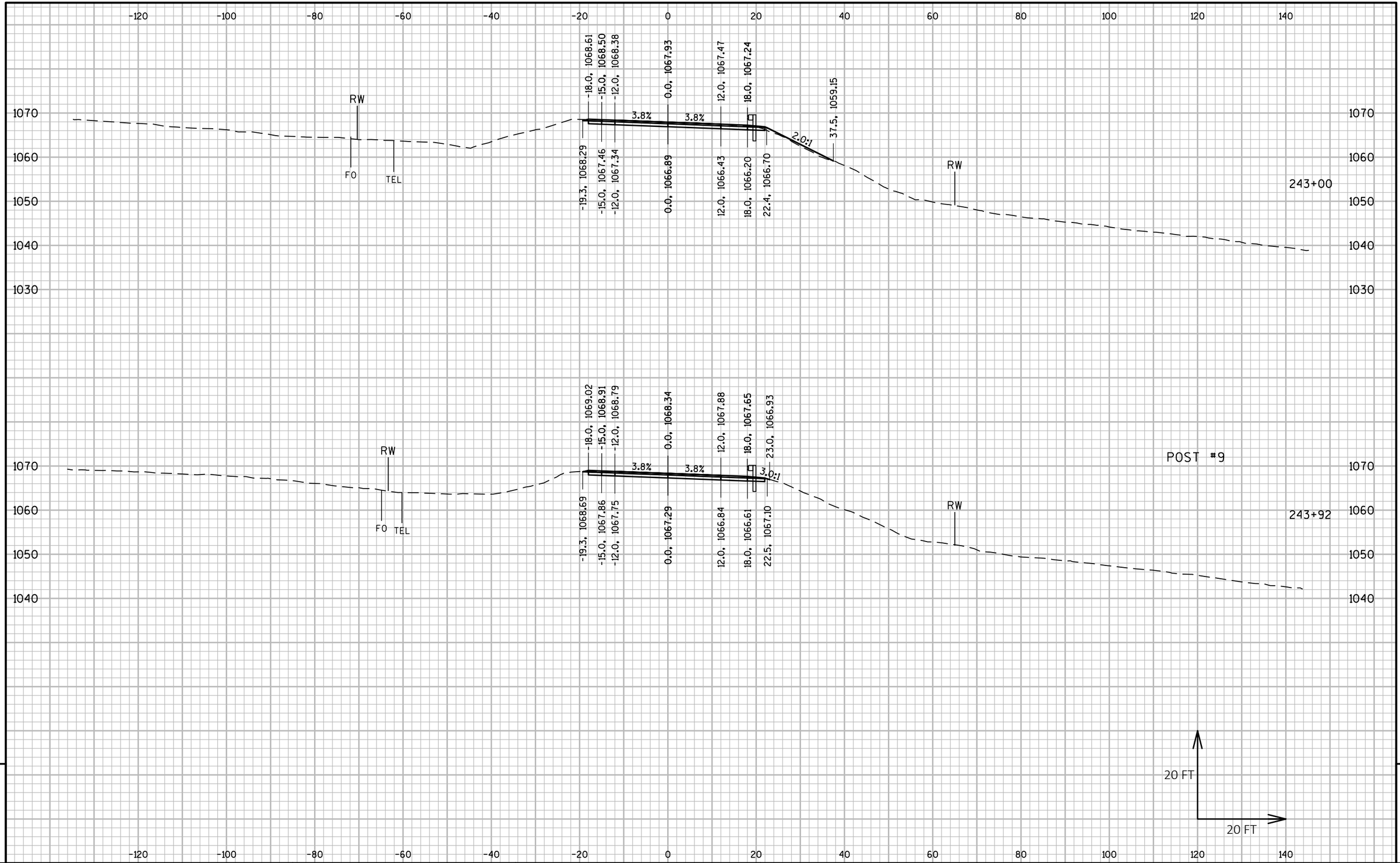


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 26

PLOT DATE : 10/30/2019 6:17 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

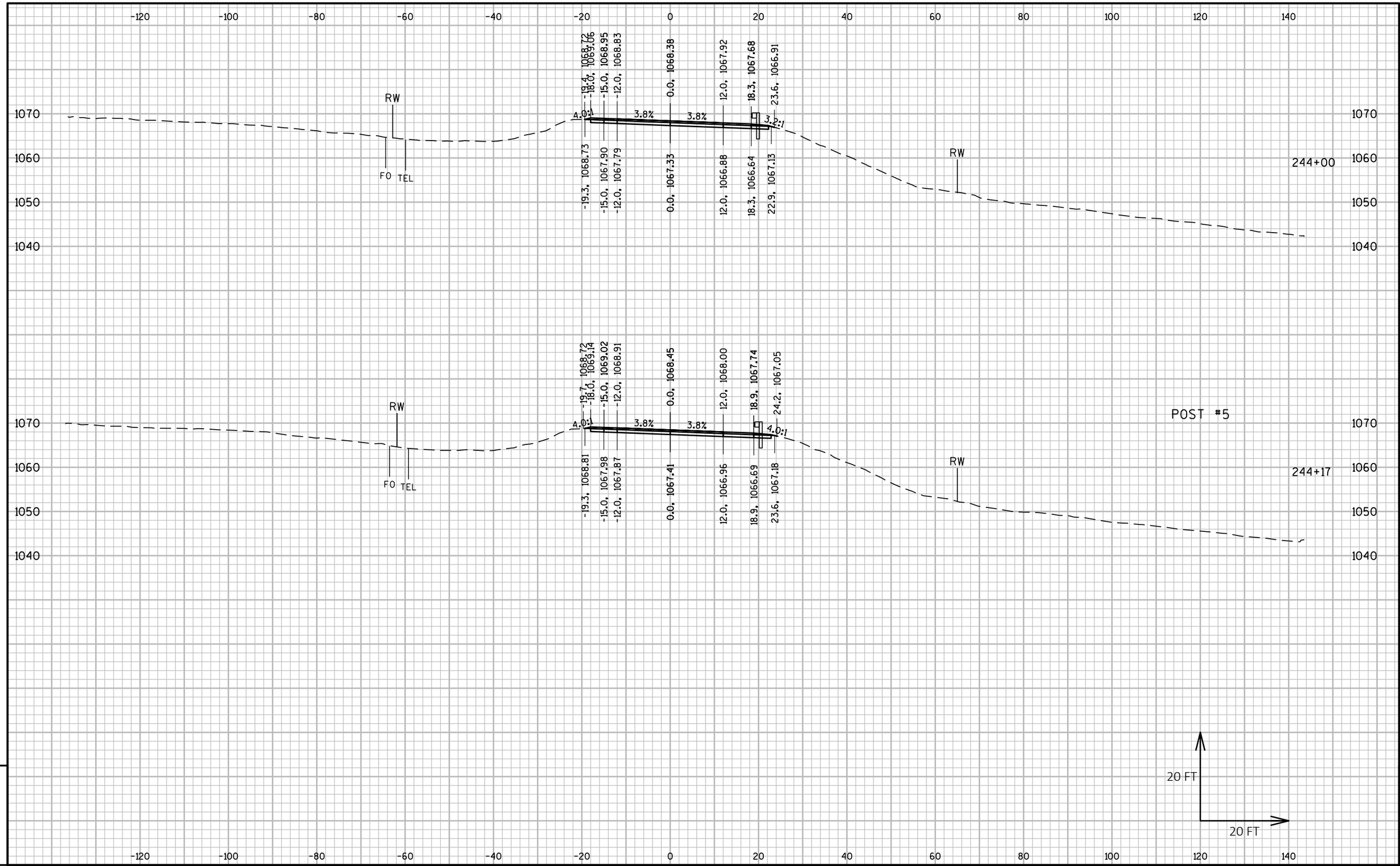
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 27

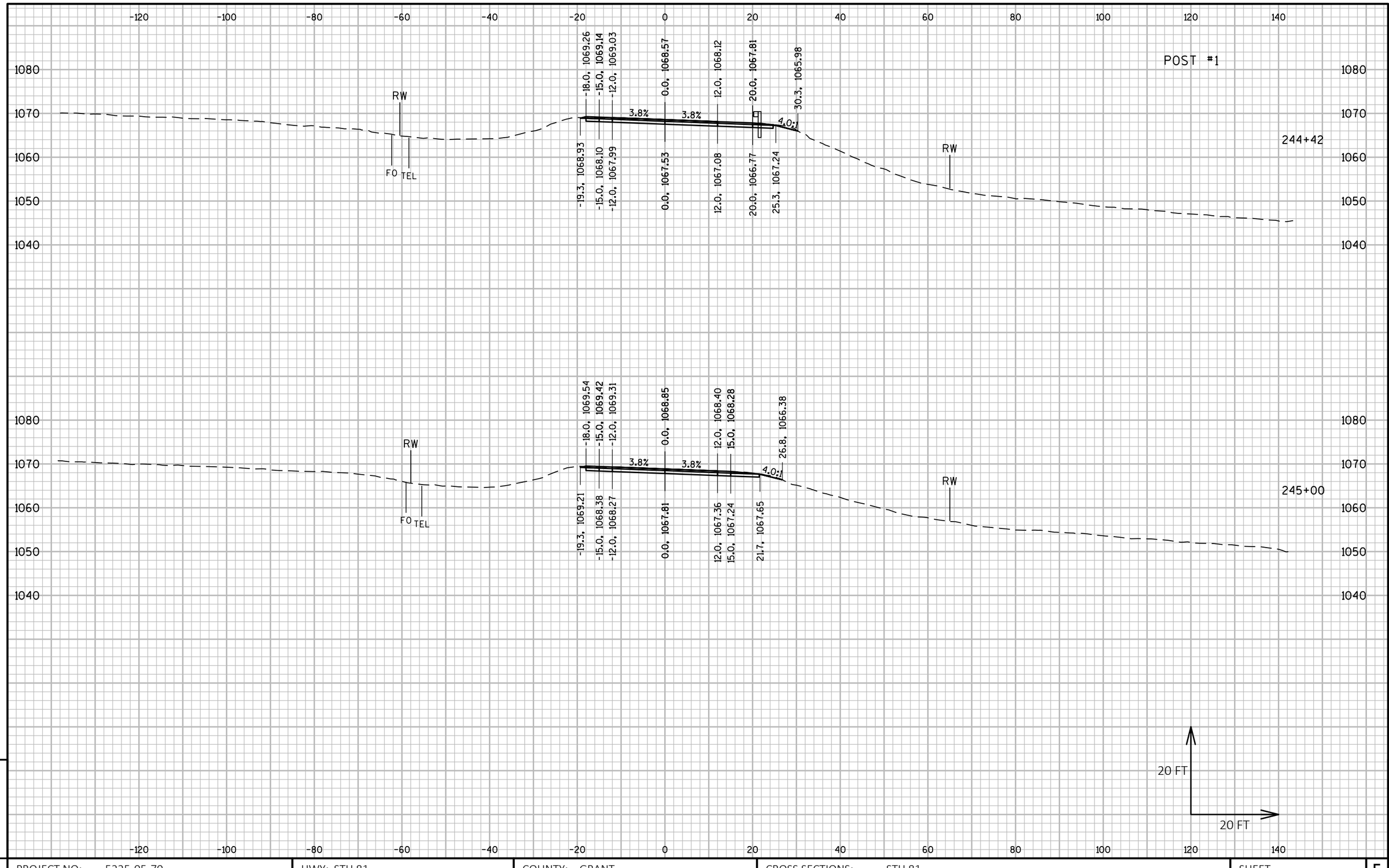
PLOT DATE : 10/30/2019 6:18 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 28

PLOT DATE : 10/30/2019 6:19 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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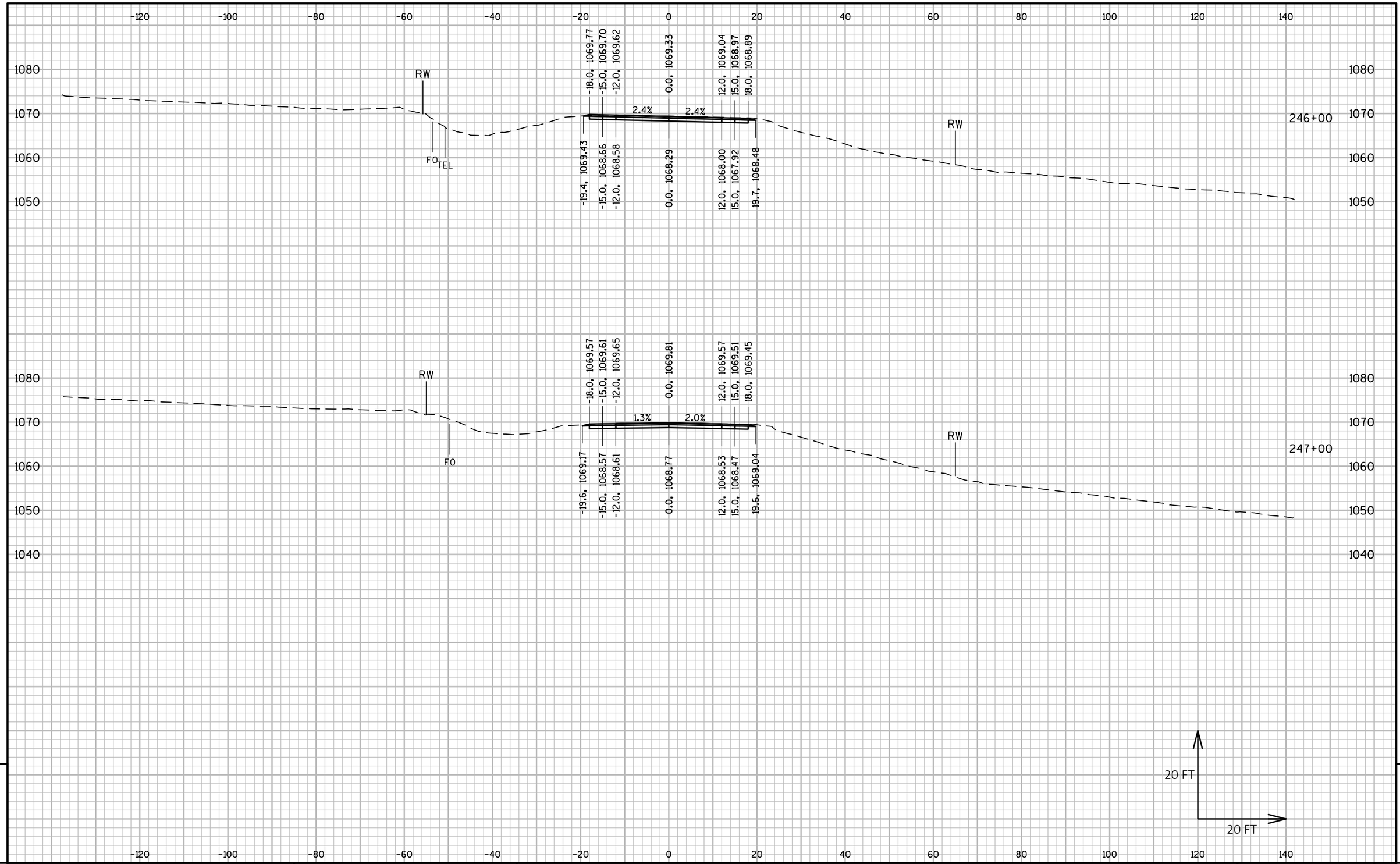
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 29

PLOT DATE : 10/30/2019 6:20 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

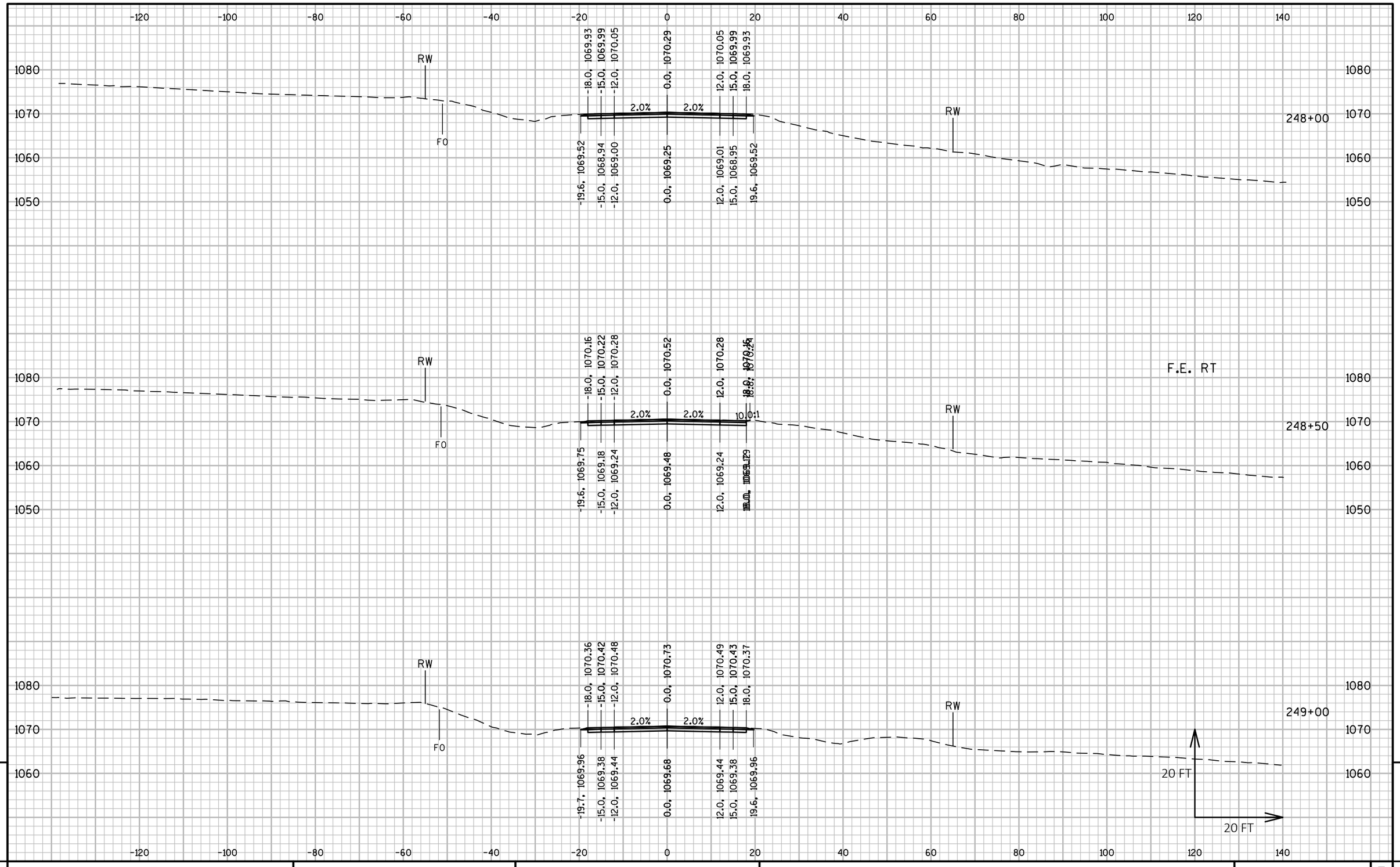


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 30

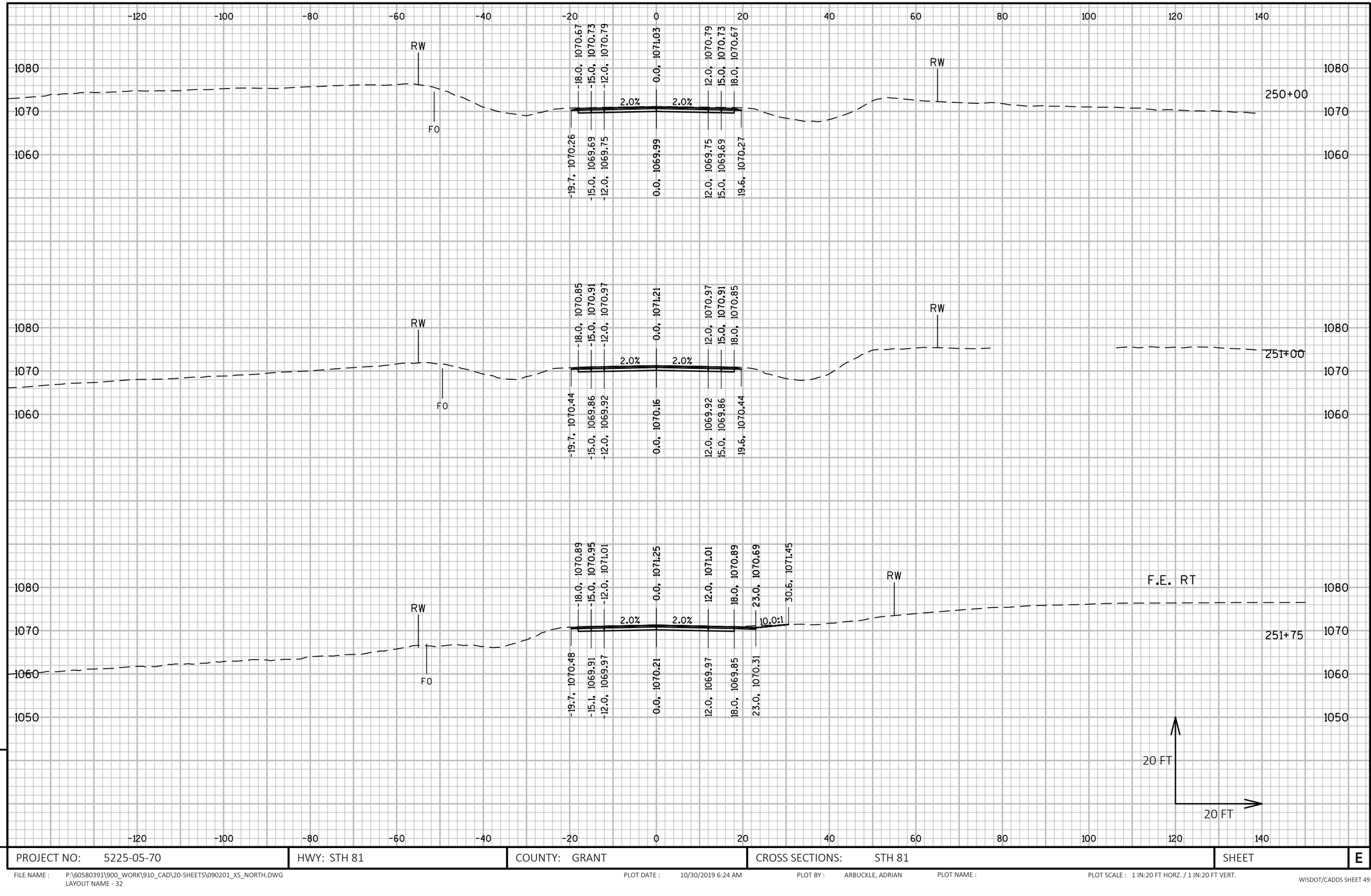
PLOT DATE : 10/30/2019 6:22 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 31

PLOT DATE : 10/30/2019 6:23 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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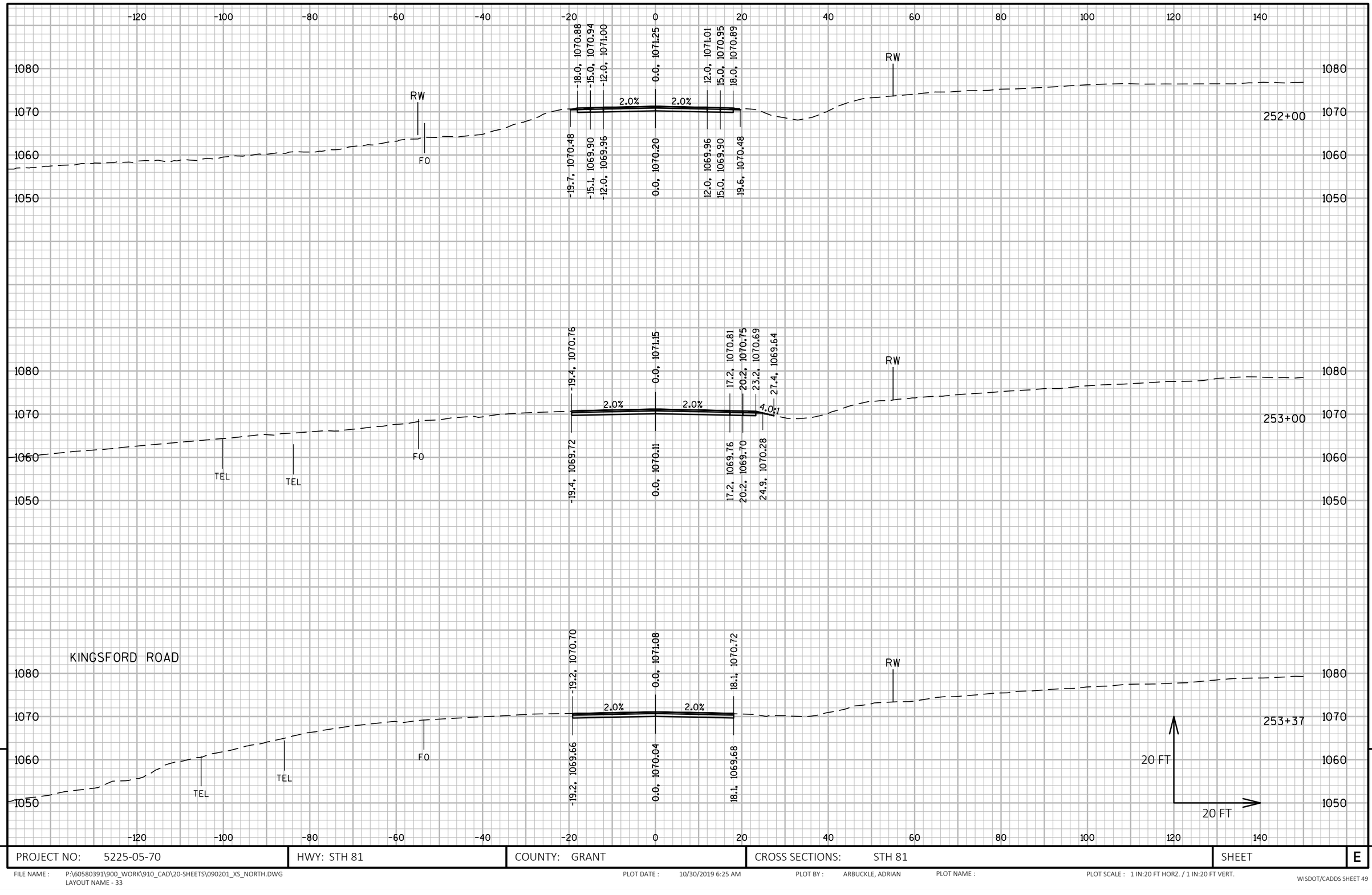
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 32

PLOT DATE : 10/30/2019 6:24 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 33

PLOT DATE : 10/30/2019 6:25 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

AUPPERLE LANE

253+82

-18.9, 1070.59
0.0, 1070.97
18.0, 1070.61
-18.9, 1069.55
0.0, 1069.93
18.0, 1069.57
2.0%
2.0%
RW
FO
TEL
TEL
OH
FO
FO

254+00

-23.6, 1070.45
-20.6, 1070.51
0.0, 1070.92
17.9, 1070.56
-25.3, 1070.04
-20.6, 1069.47
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17.9, 1069.52
2.0%
2.0%
RW
FO
TEL
OH
FO

255+00

-15.0, 1070.25
-12.0, 1070.31
0.0, 1070.56
13.1, 1070.29
16.1, 1070.23
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13.1, 1069.25
16.2, 1069.19
20.8, 1069.76
2.0%
2.0%
RW
FO
TEL
RW
20 FT
20 FT

1080
1070
1060
1050

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

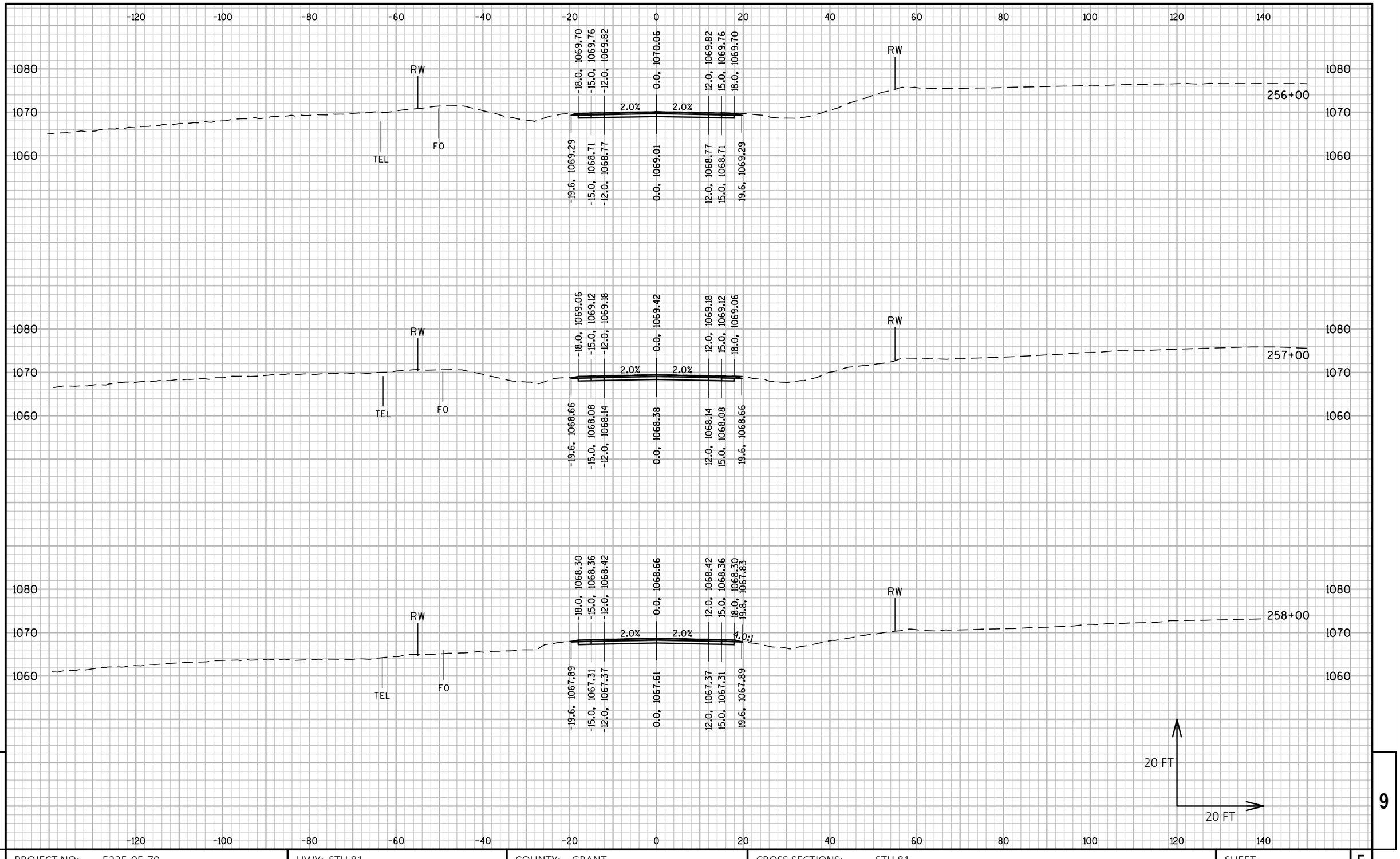
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 34

PLOT DATE : 10/30/2019 6:27 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

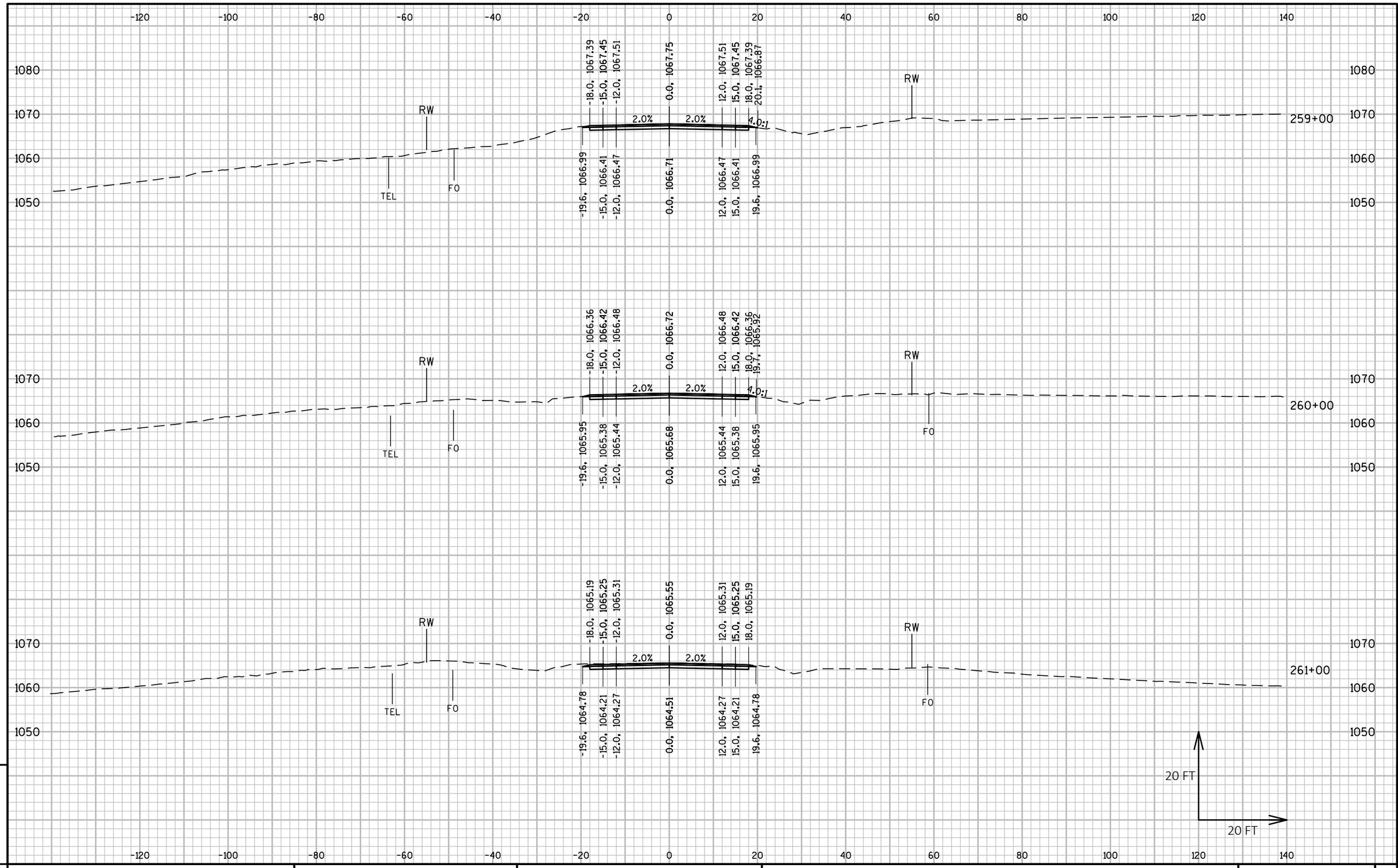


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 35

PLOT DATE : 10/30/2019 6:28 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

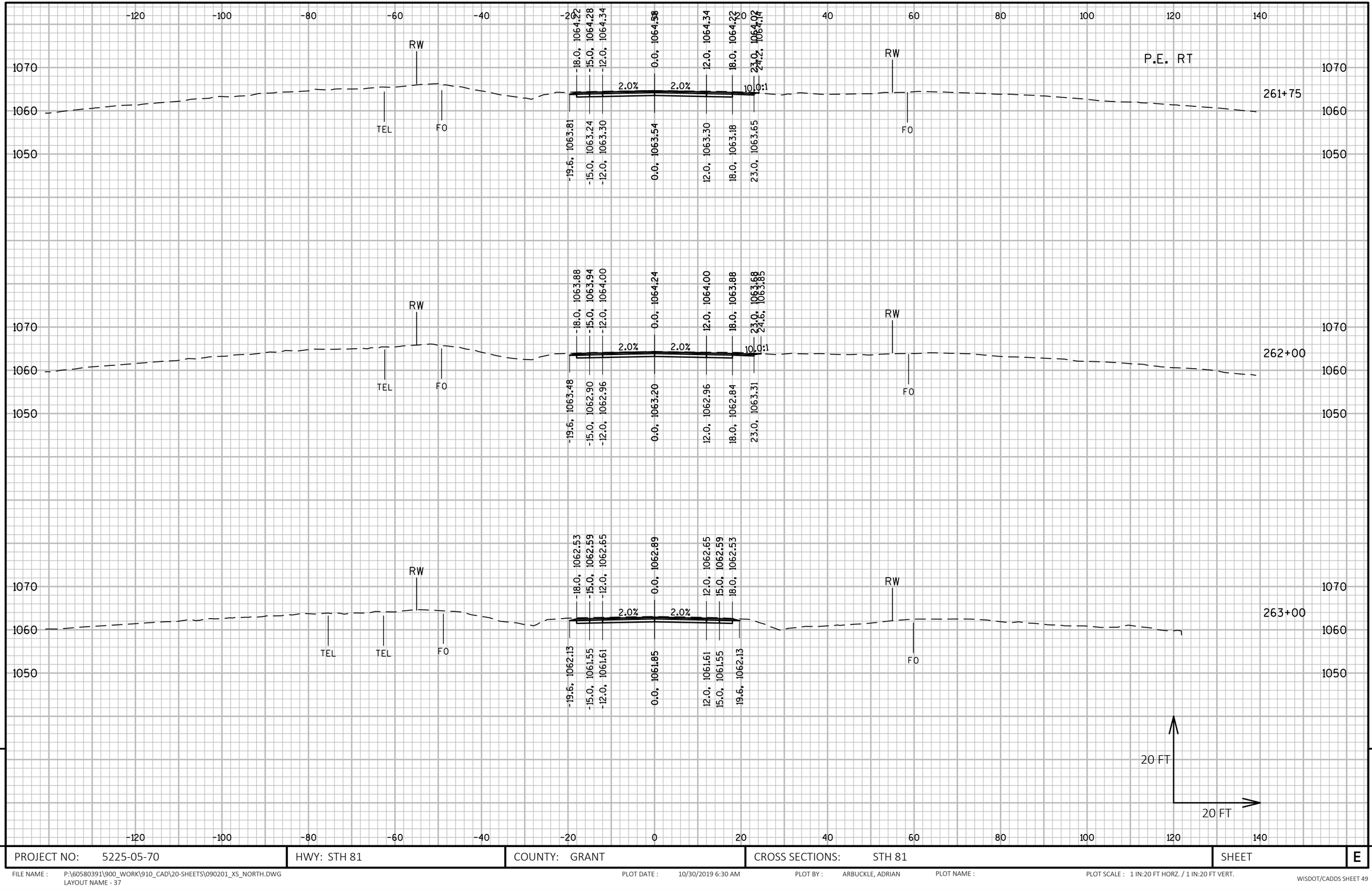


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 36

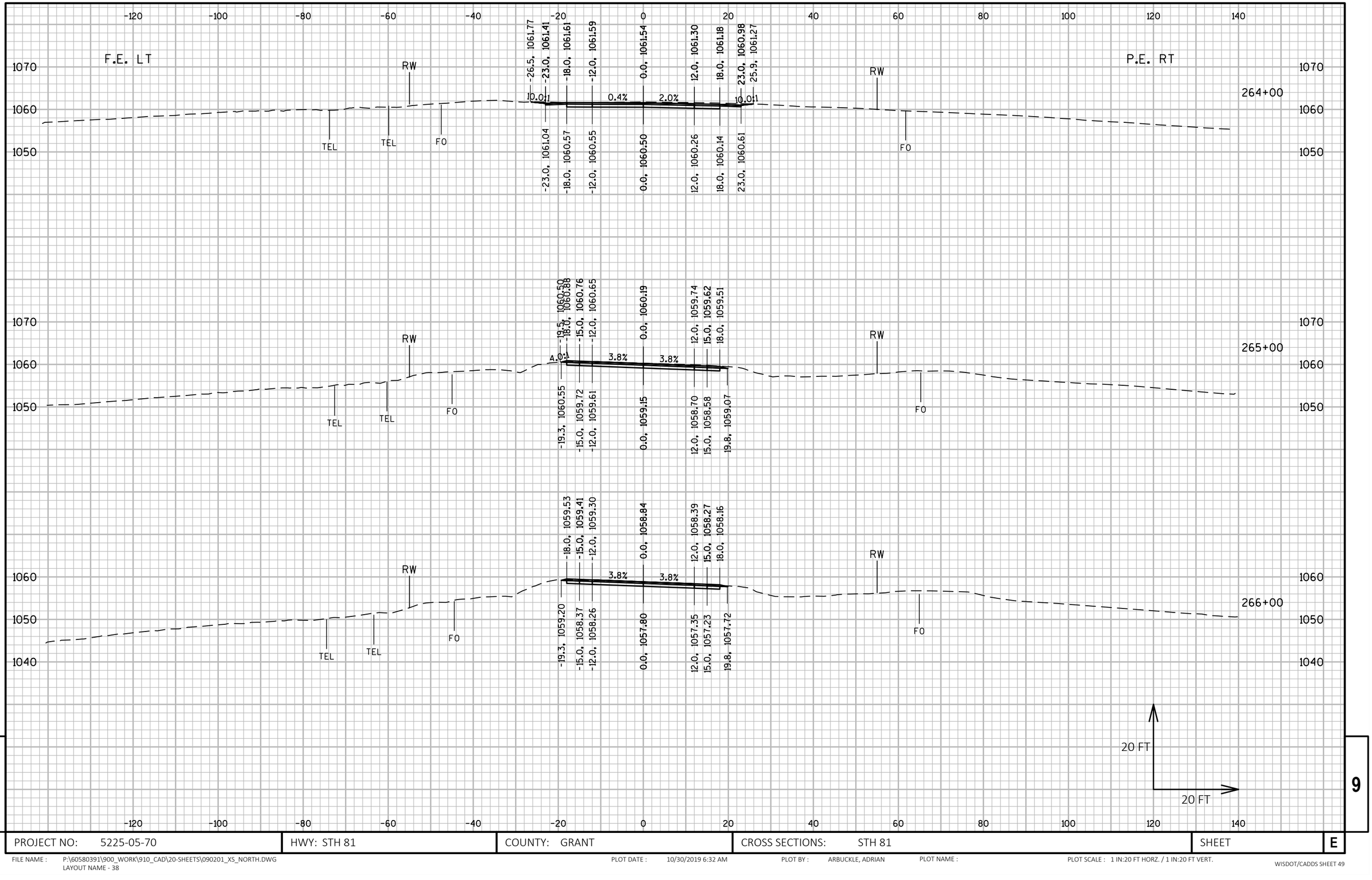
PLOT DATE : 10/30/2019 6:29 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 37

PLOT DATE : 10/30/2019 6:30 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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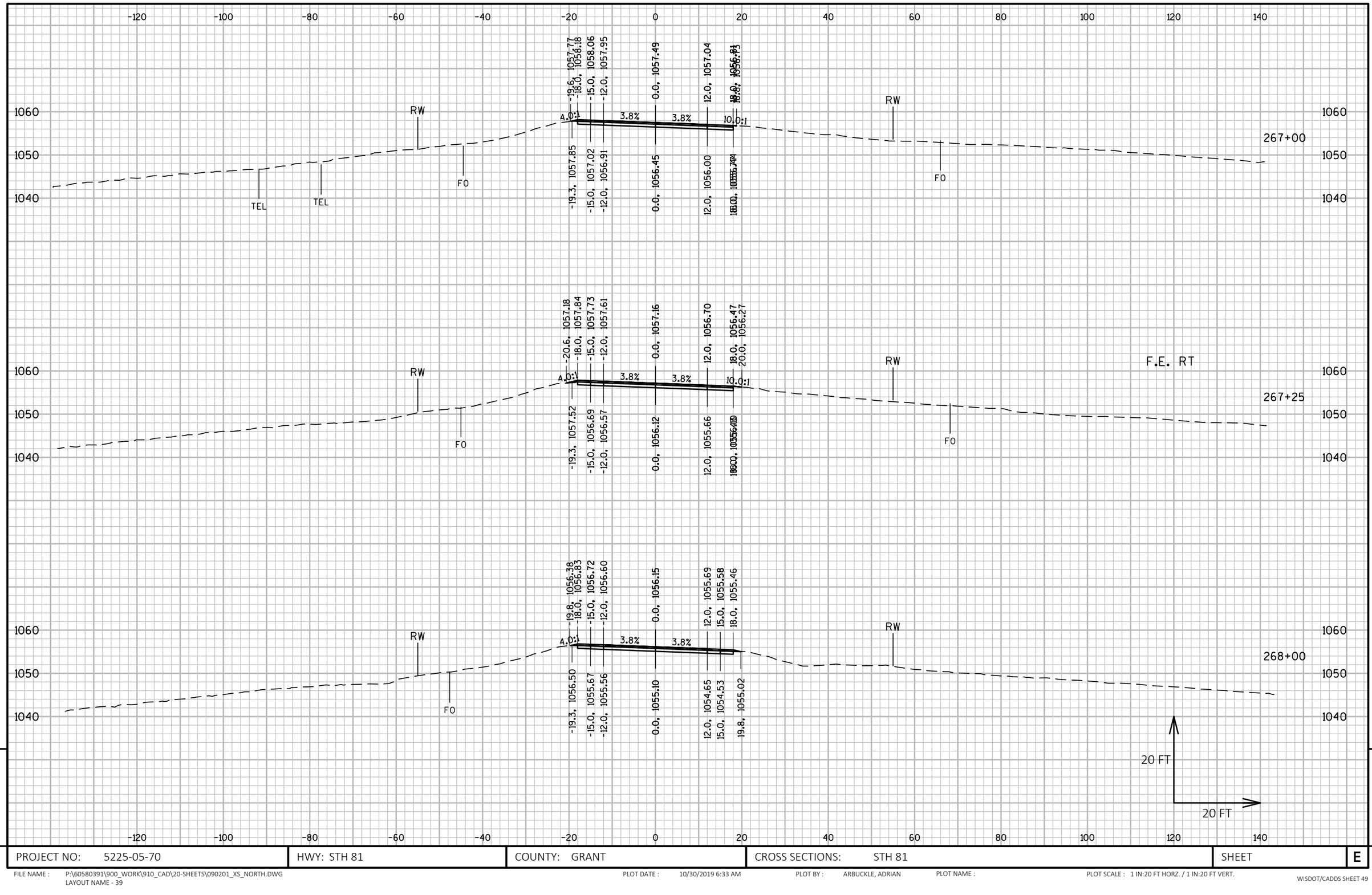
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 38

PLOT DATE : 10/30/2019 6:32 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

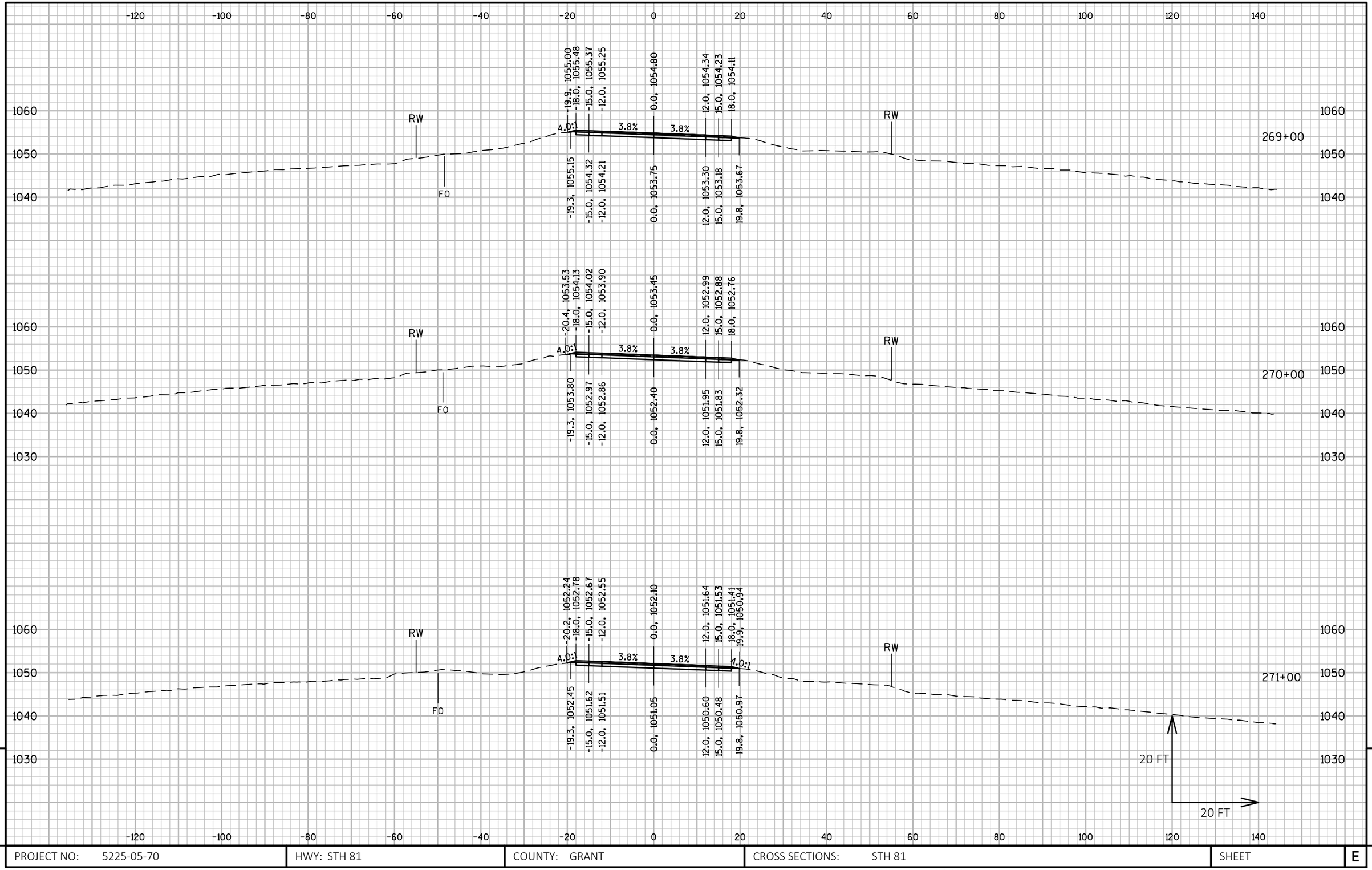


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 39

PLOT DATE : 10/30/2019 6:33 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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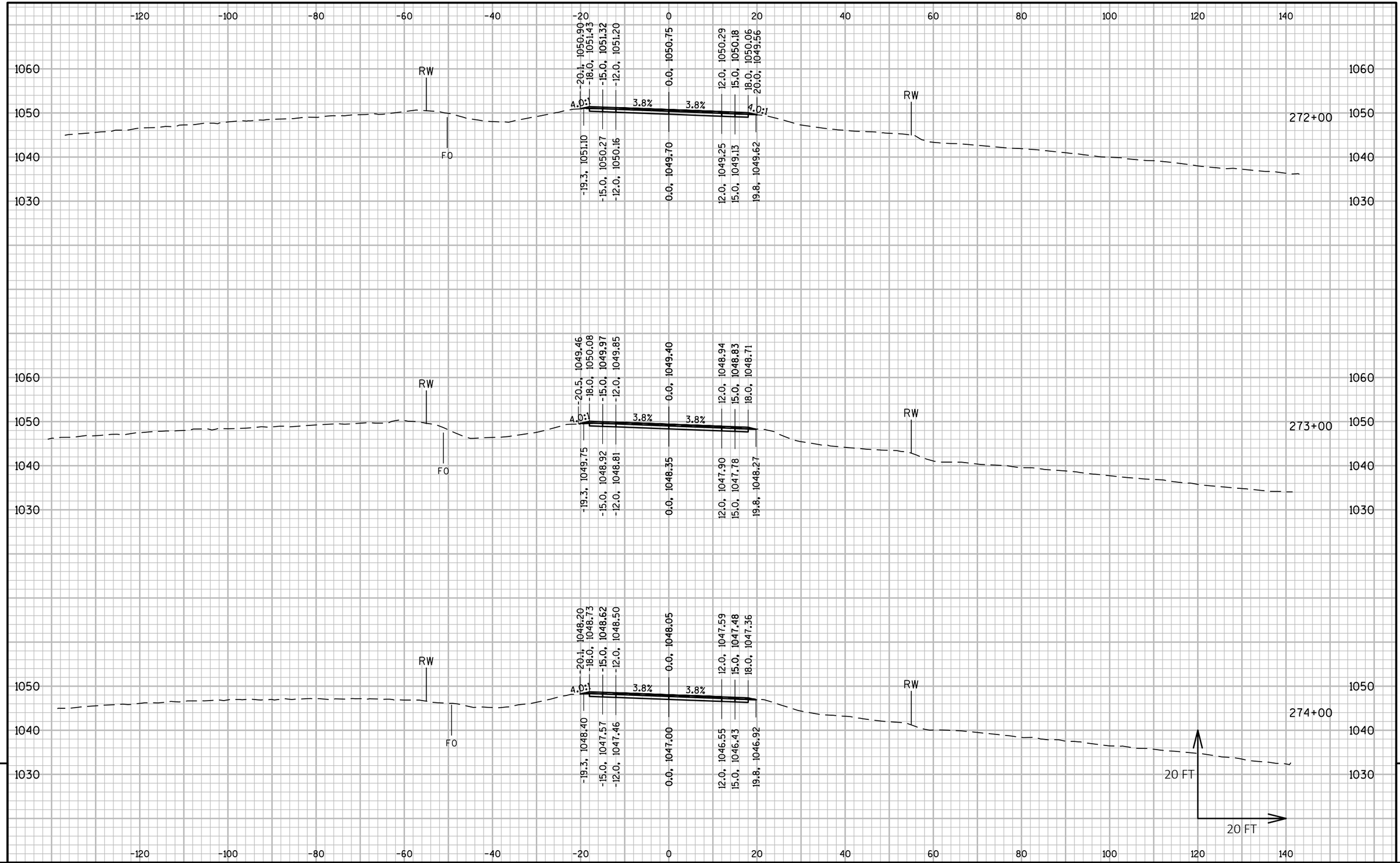
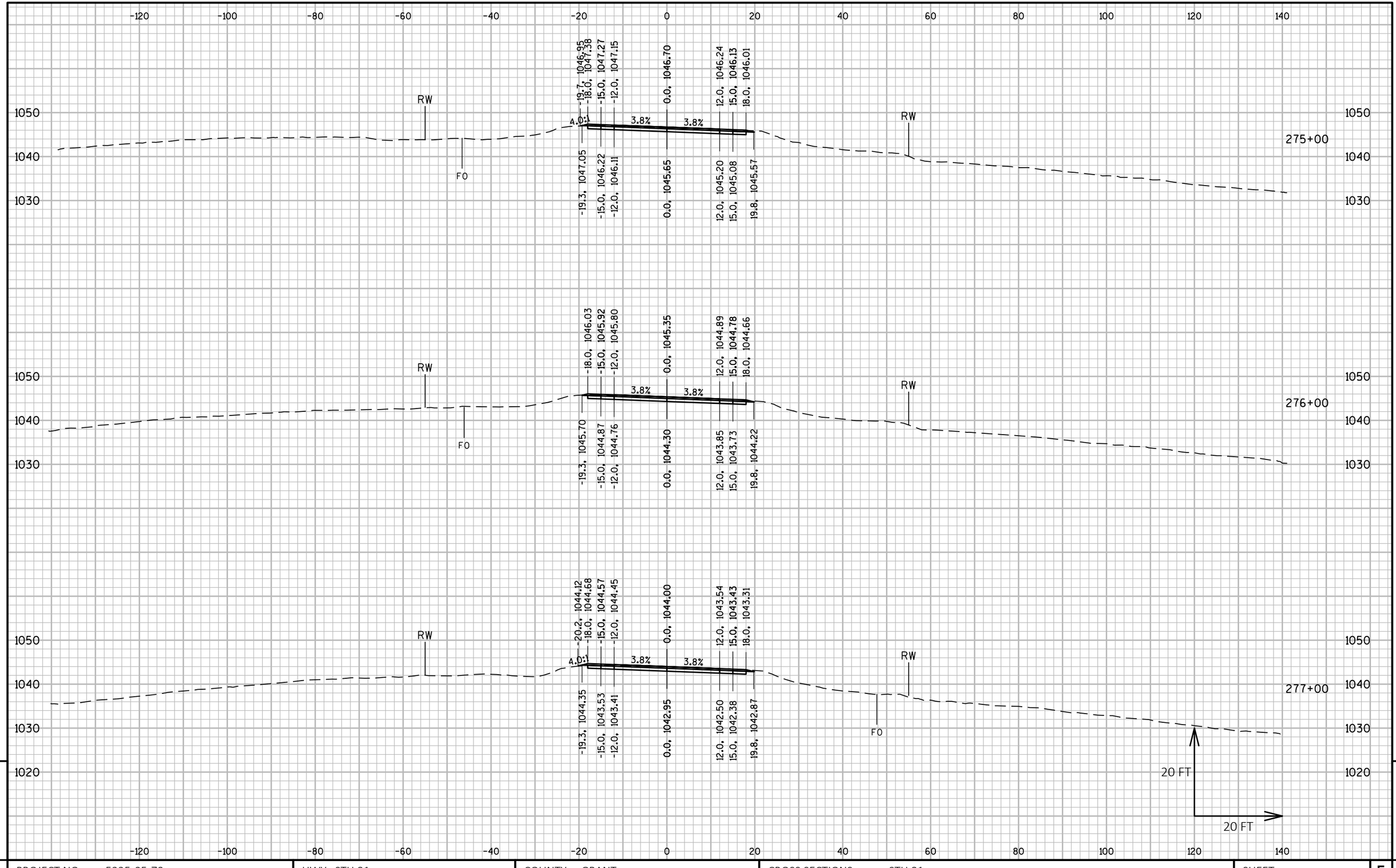
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 40
PLOT DATE : 10/30/2019 6:34 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E



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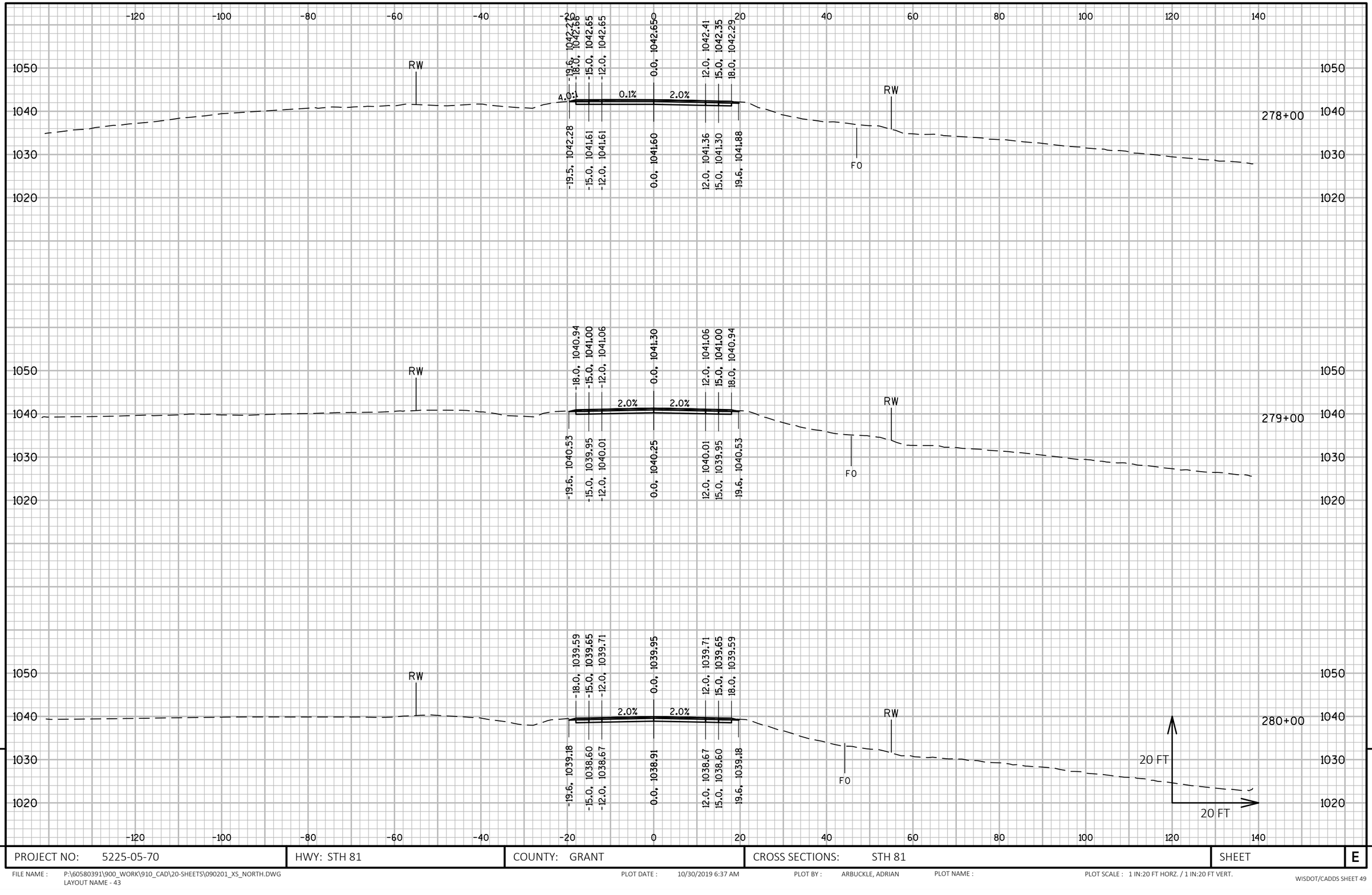
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 42

PLOT DATE : 10/30/2019 6:36 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

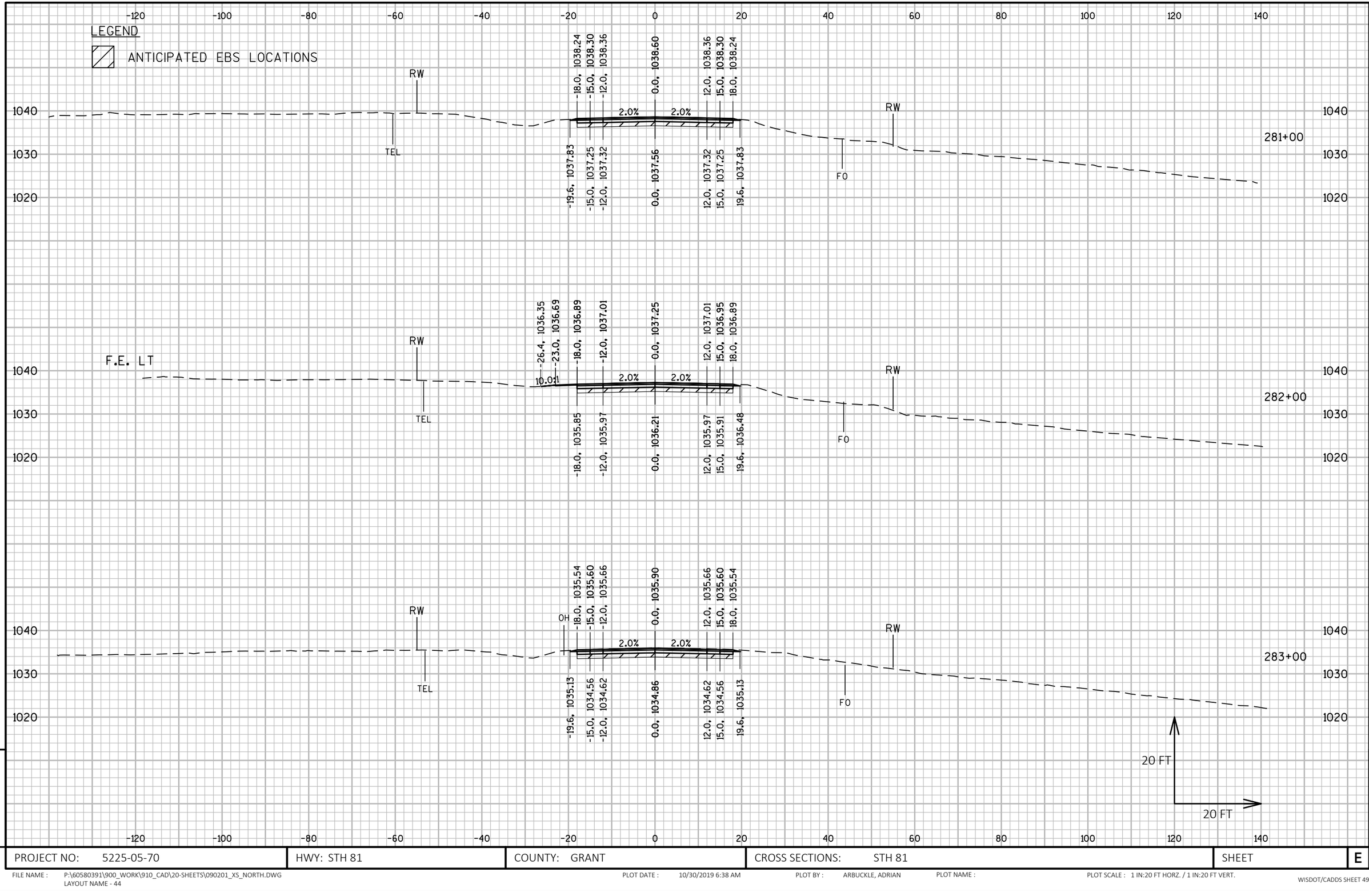
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 43

PLOT DATE : 10/30/2019 6:37 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



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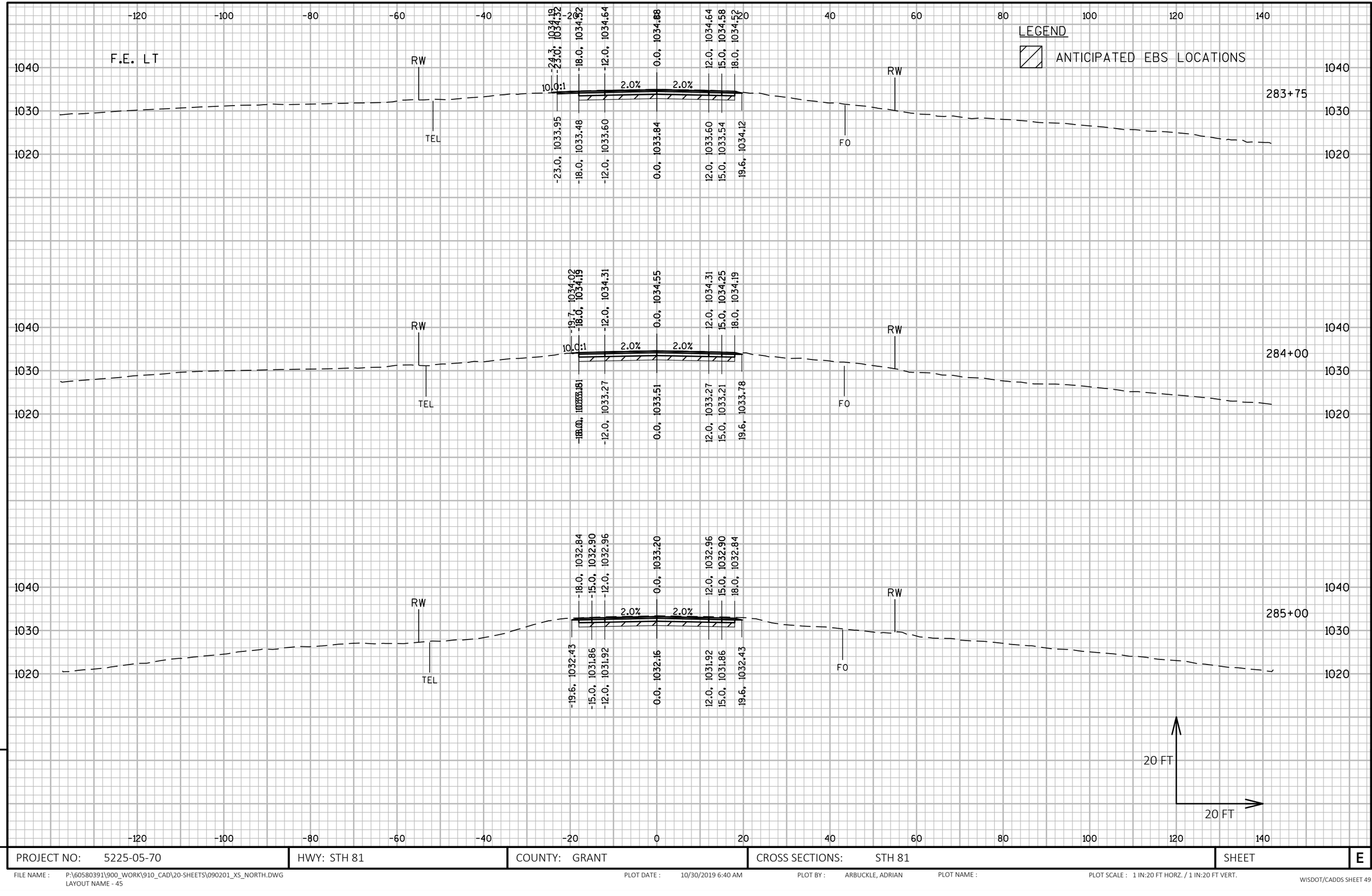
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 44

PLOT DATE : 10/30/2019 6:38 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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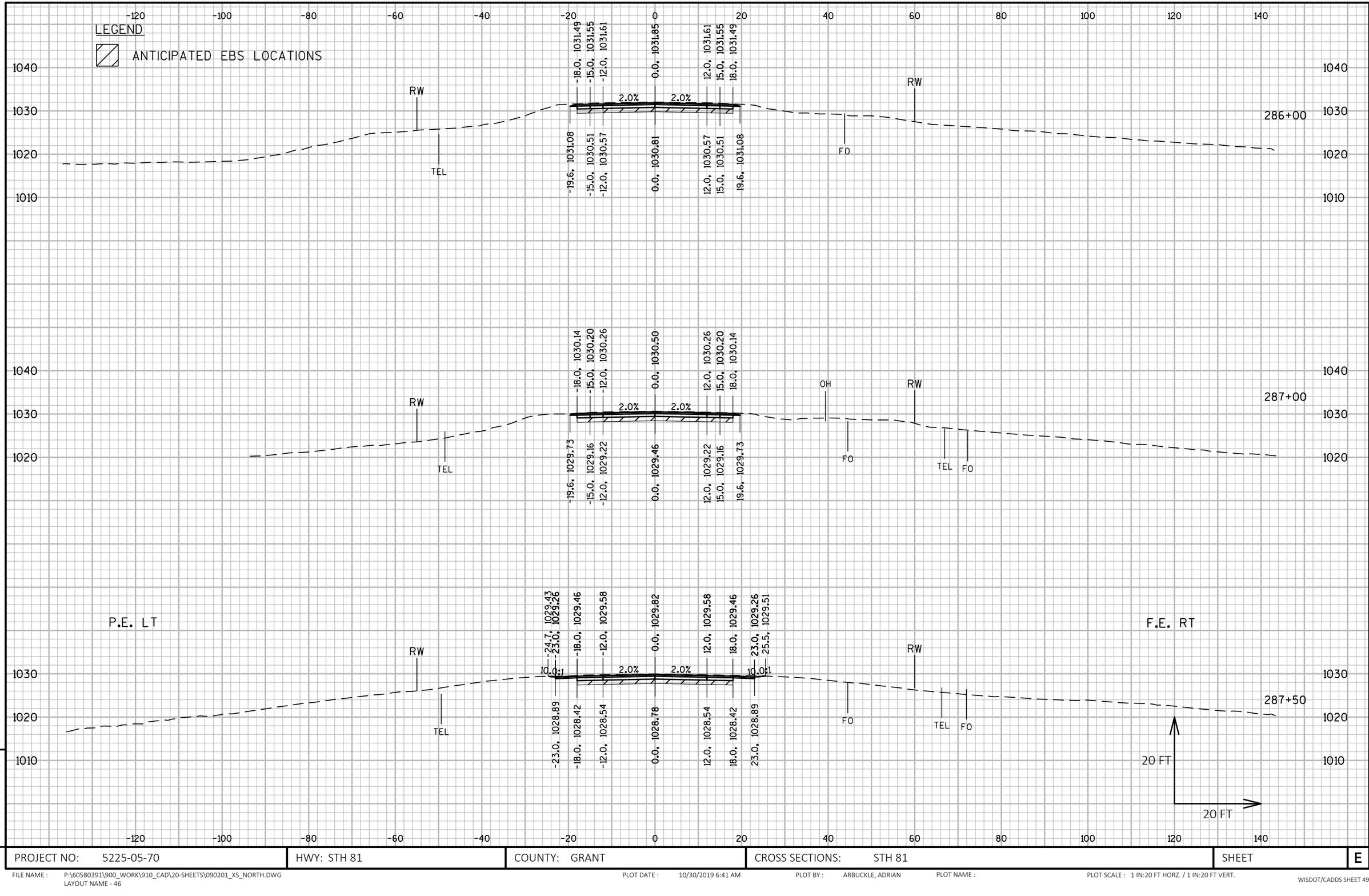
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 45
PLOT DATE : 10/30/2019 6:40 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



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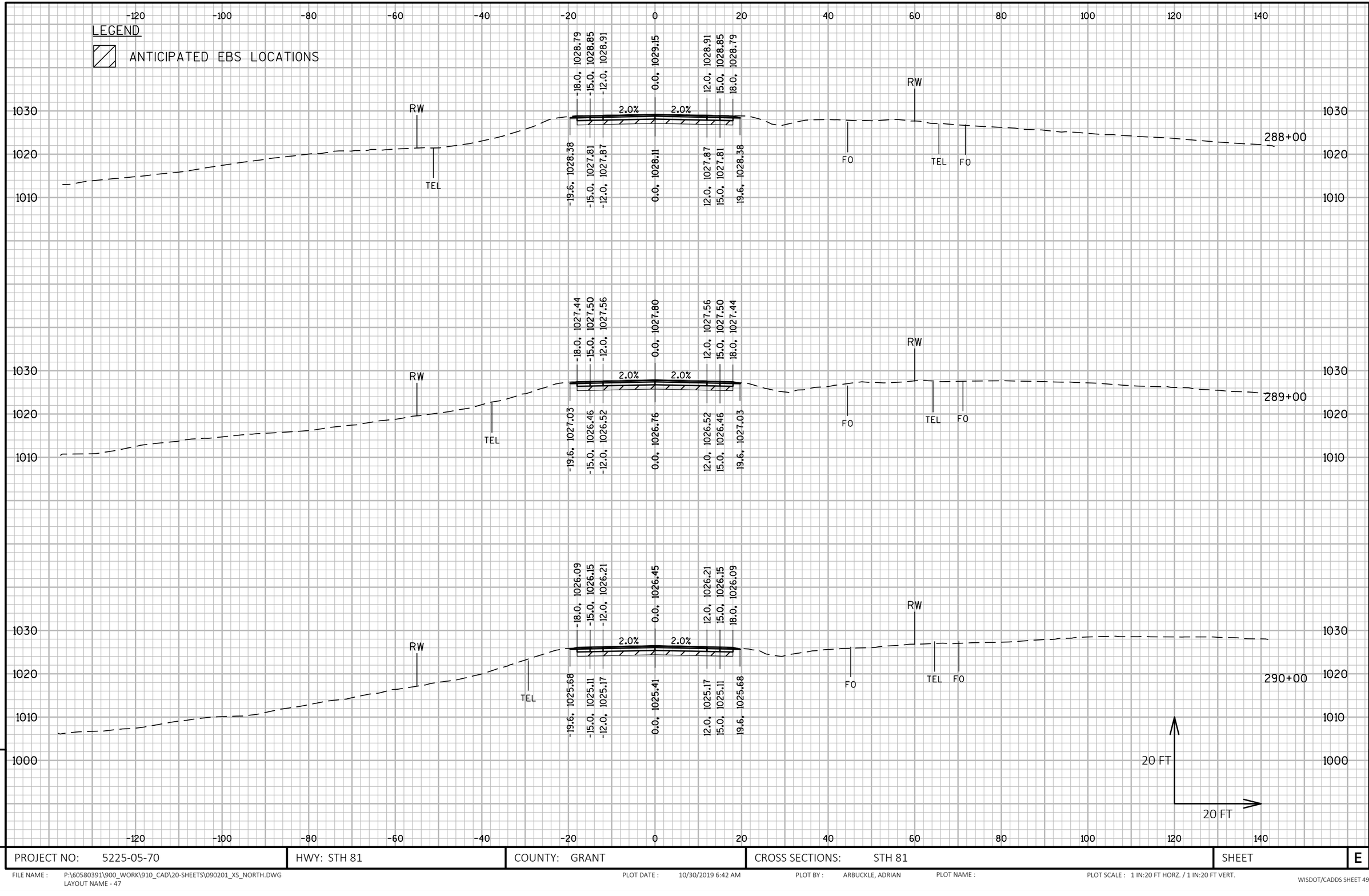
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 46

PLOT DATE : 10/30/2019 6:41 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS



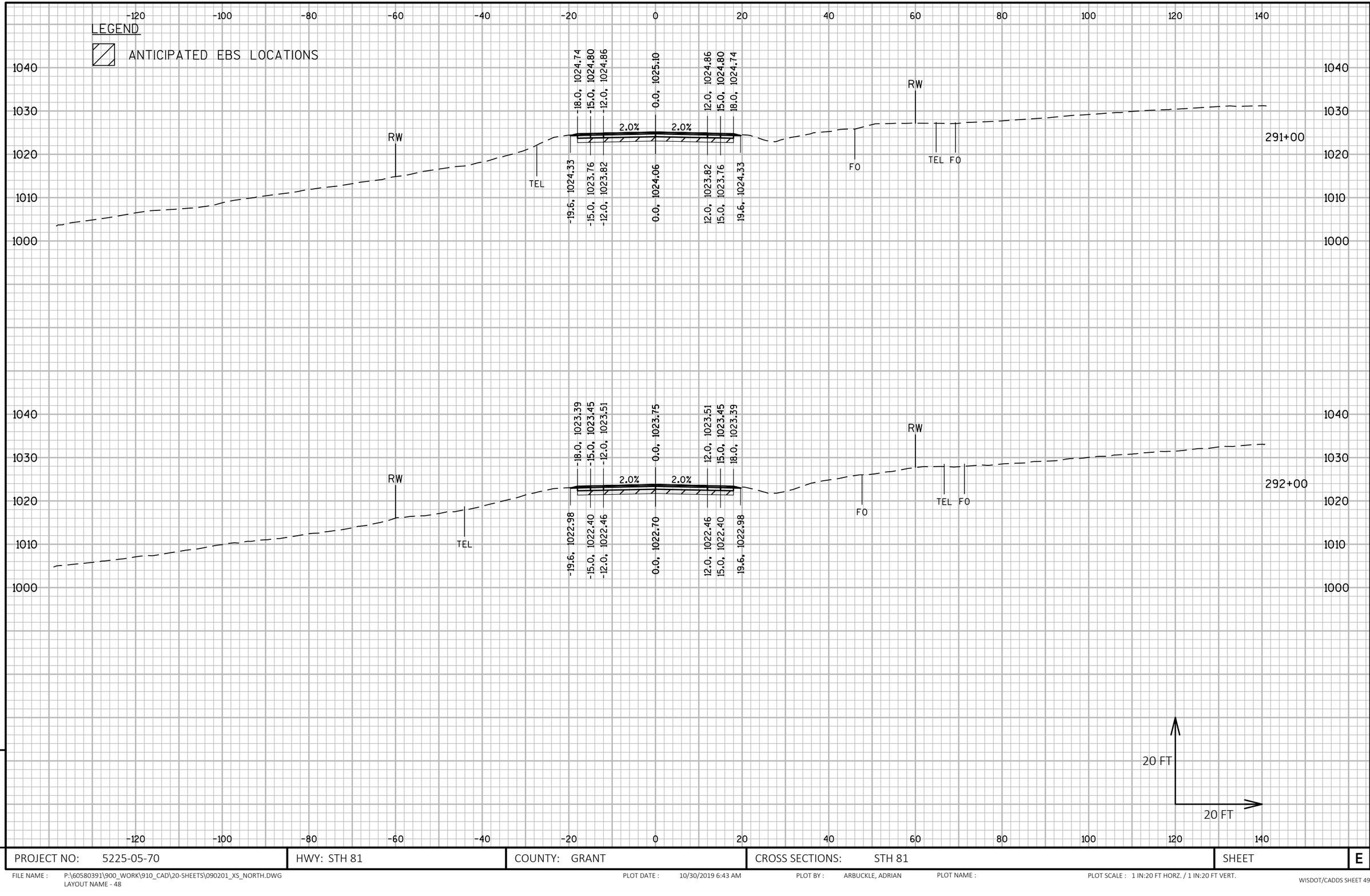
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 47

PLOT DATE : 10/30/2019 6:42 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

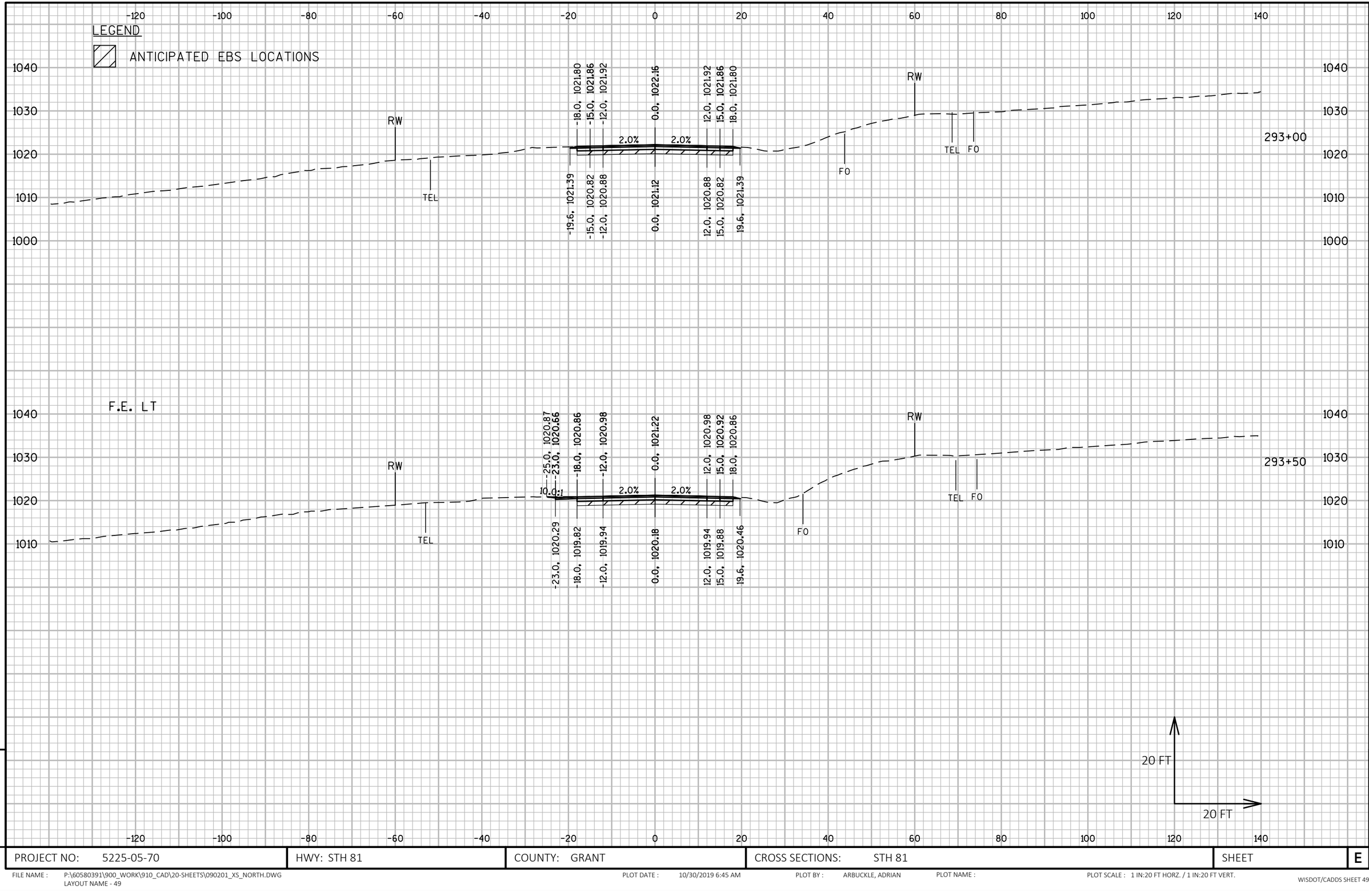
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 48

PLOT DATE : 10/30/2019 6:43 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

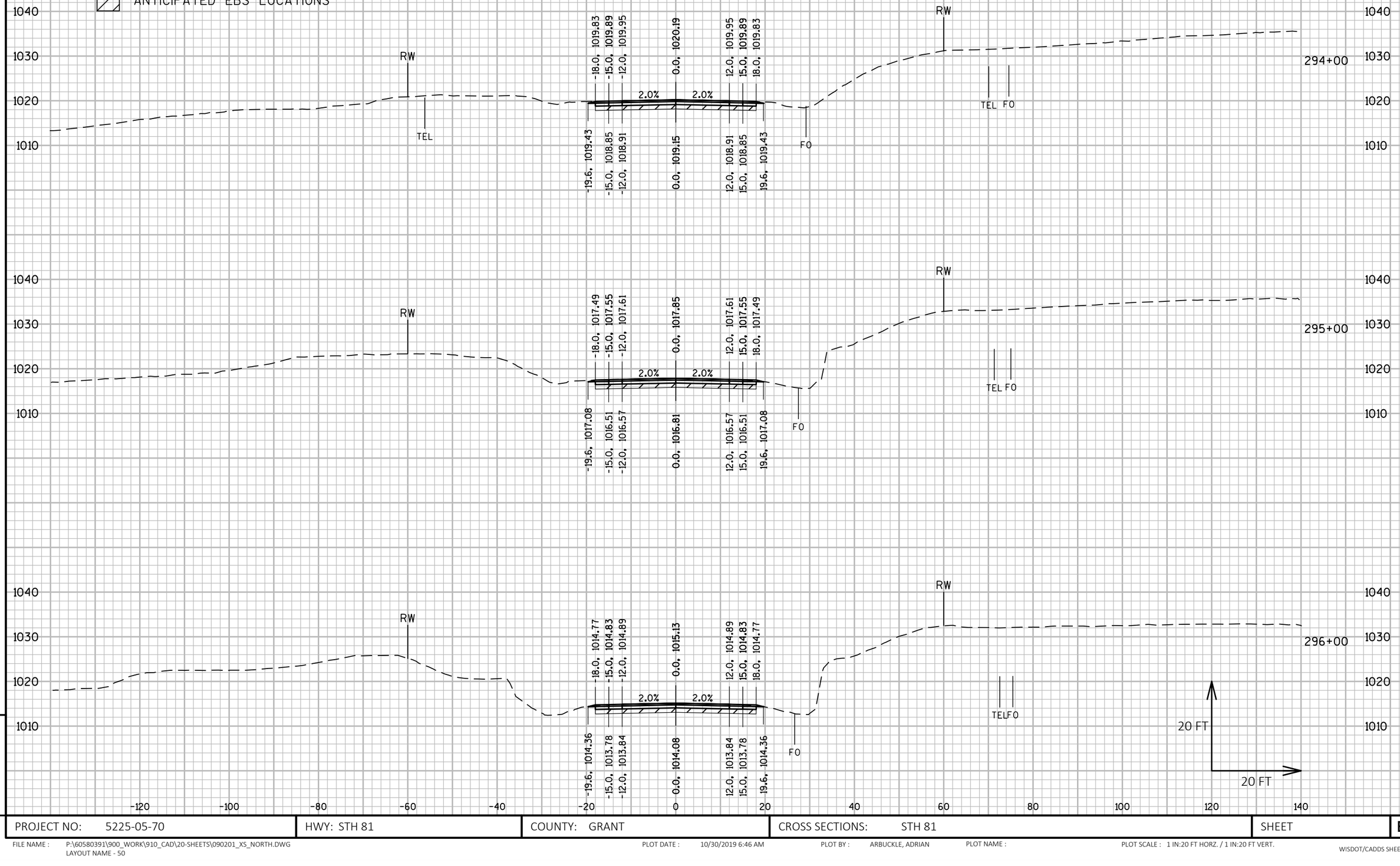
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 49

PLOT DATE : 10/30/2019 6:45 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

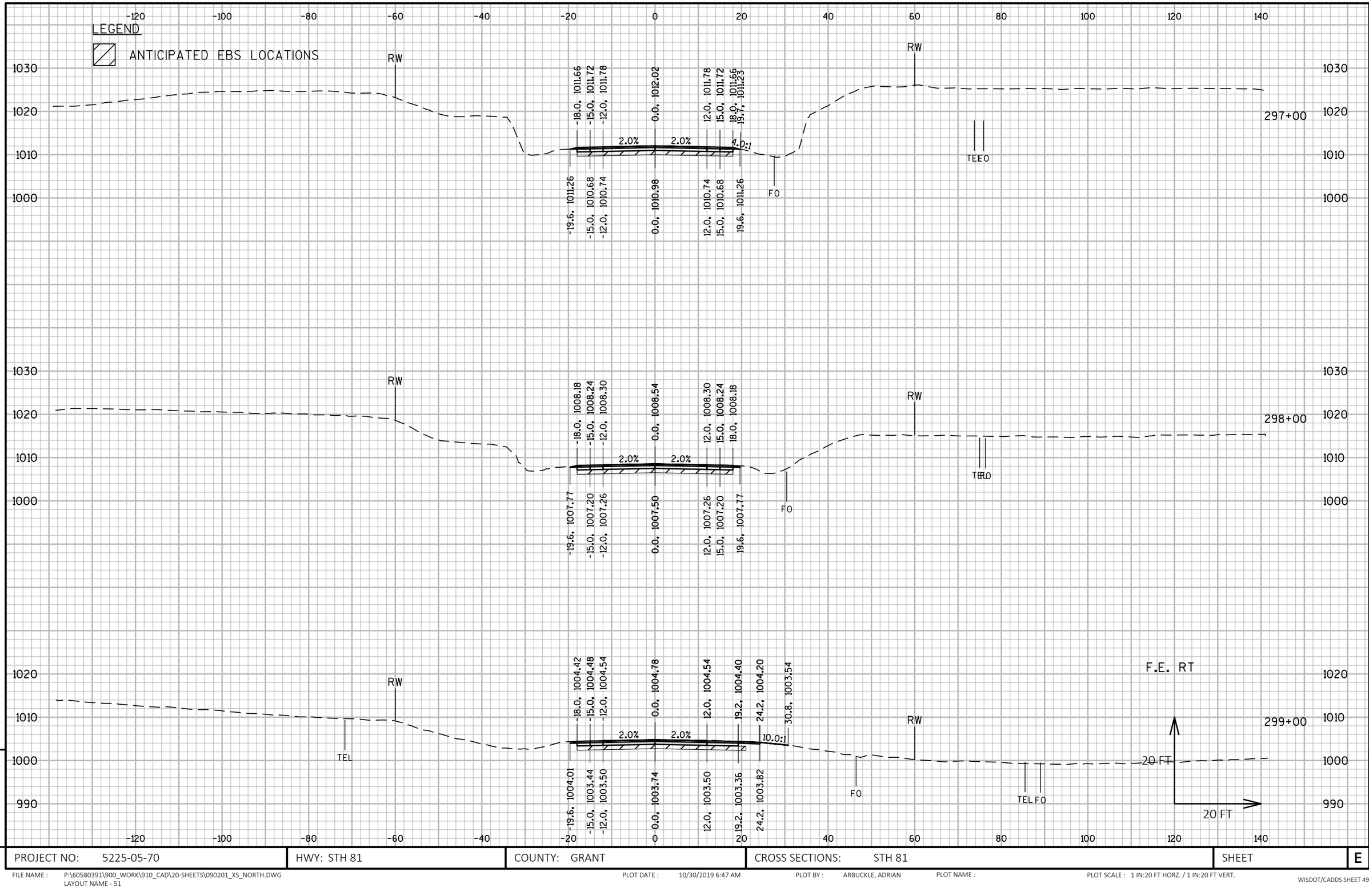
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 50

PLOT DATE : 10/30/2019 6:46 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

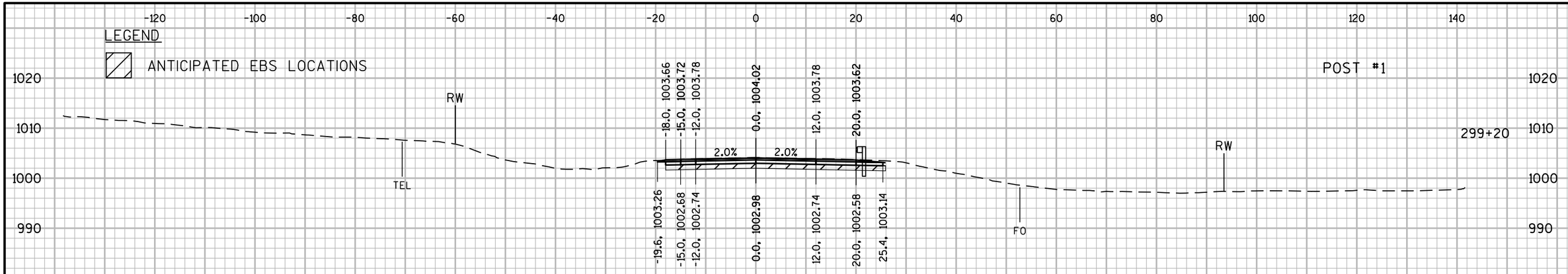
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 51

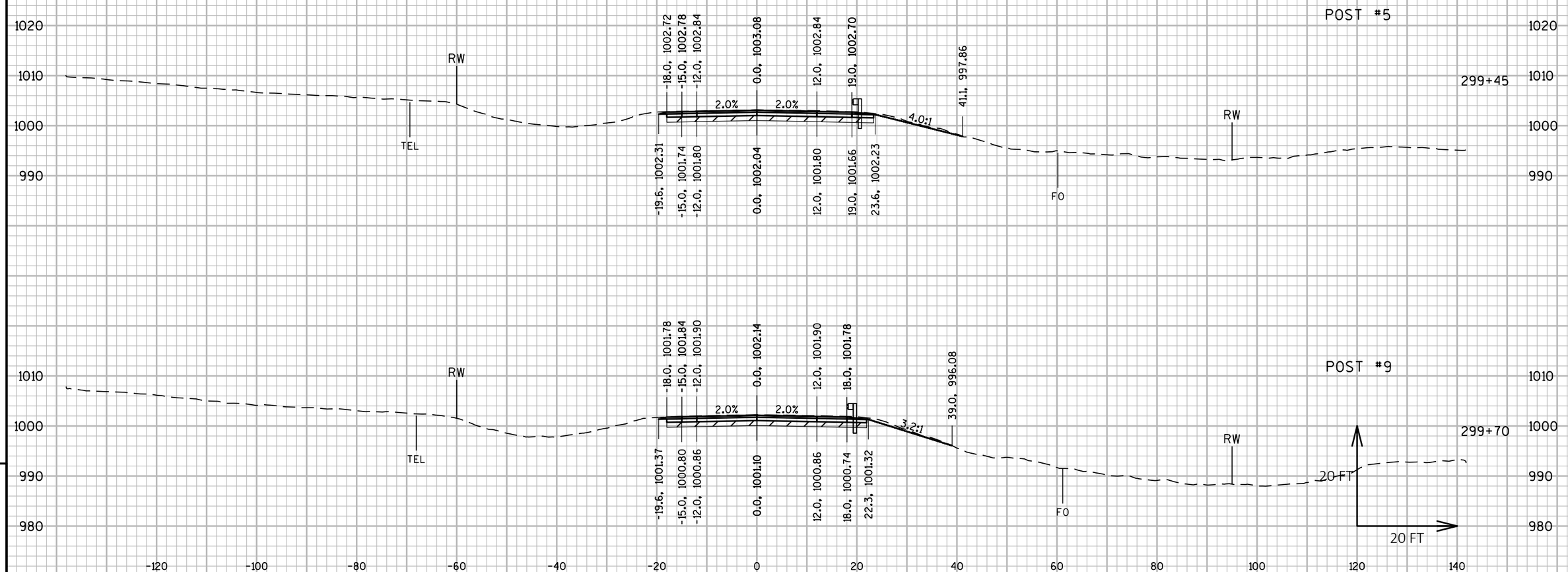
PLOT DATE : 10/30/2019 6:47 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS





PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

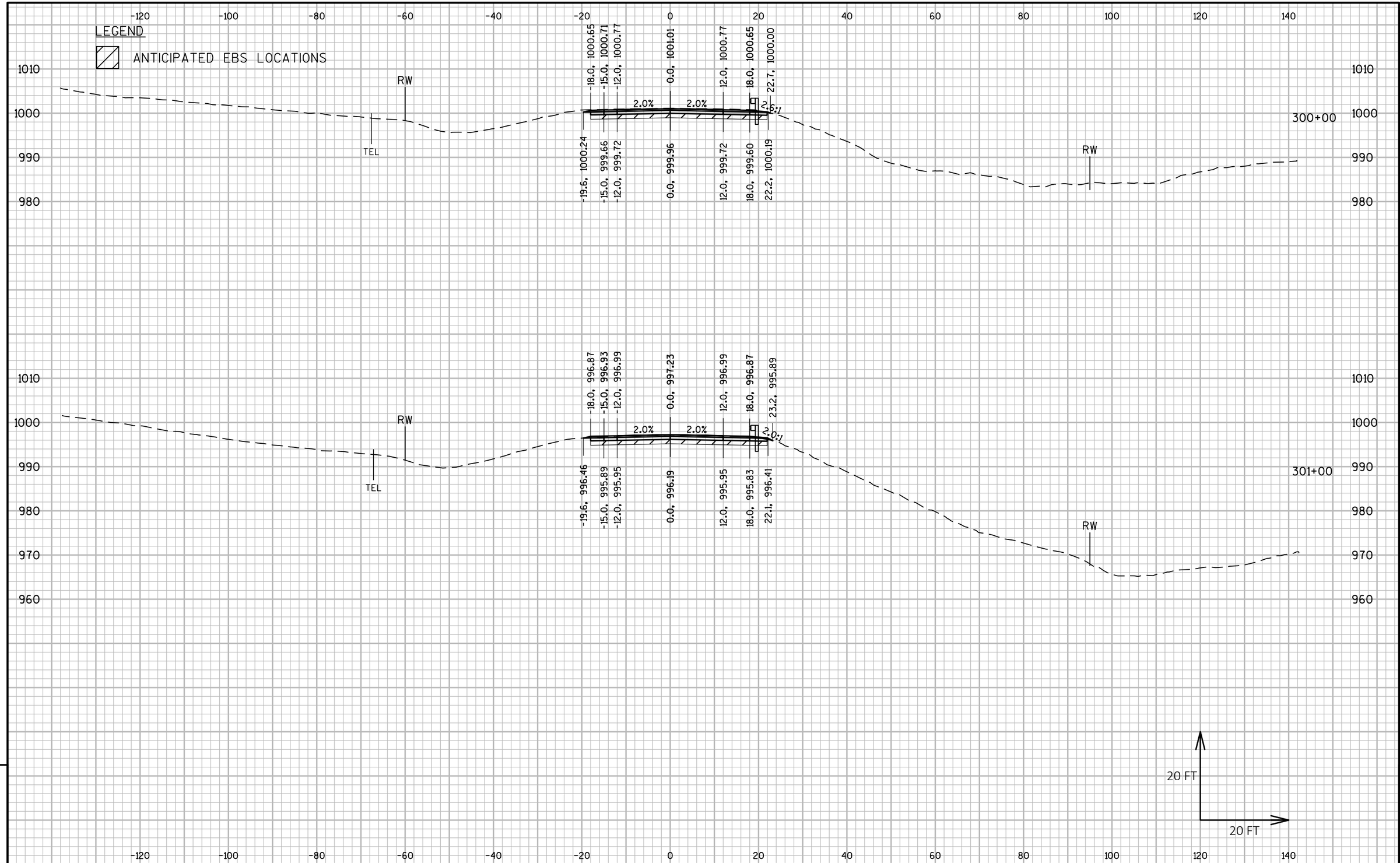
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 52

PLOT DATE : 10/30/2019 6:49 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

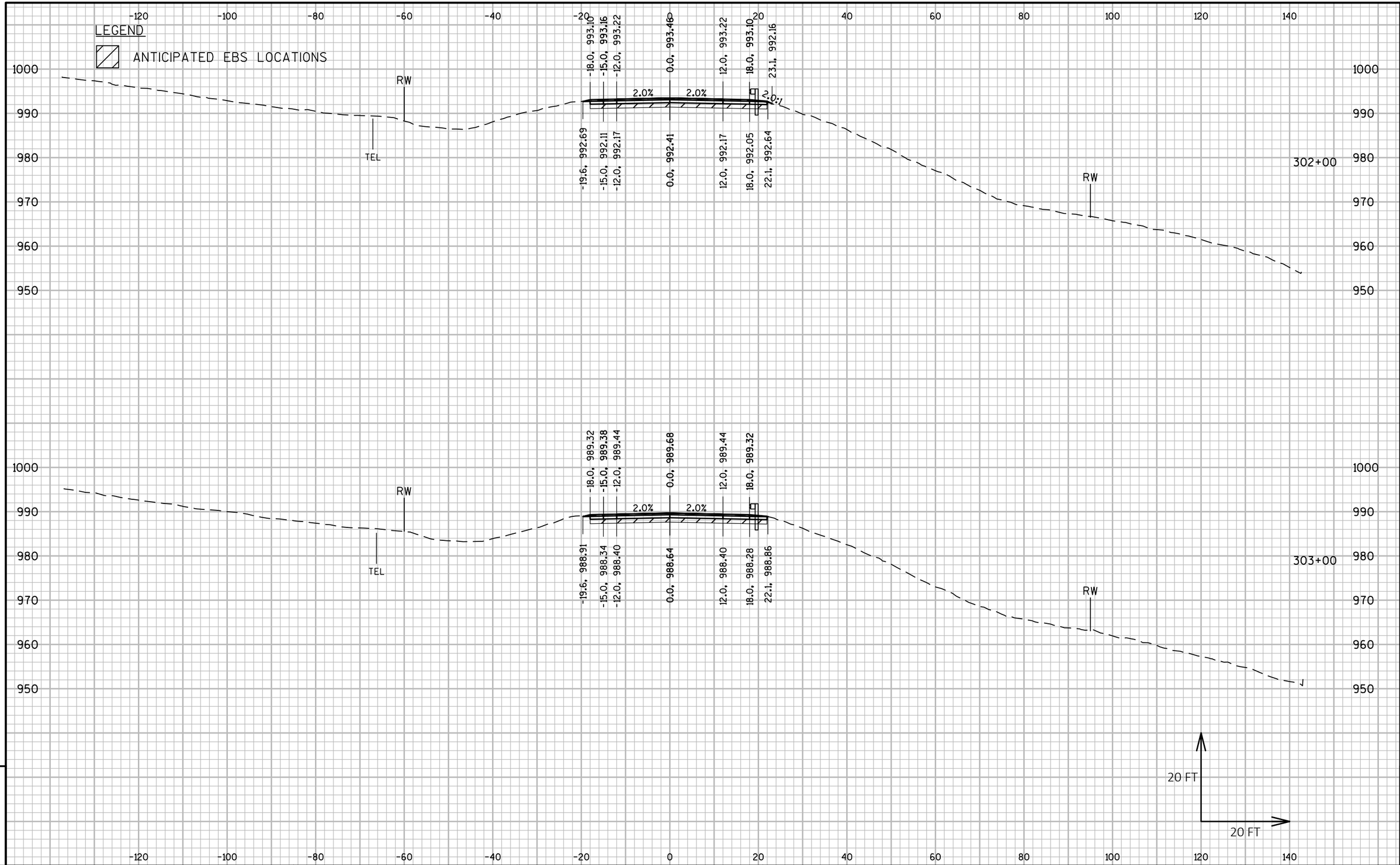
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

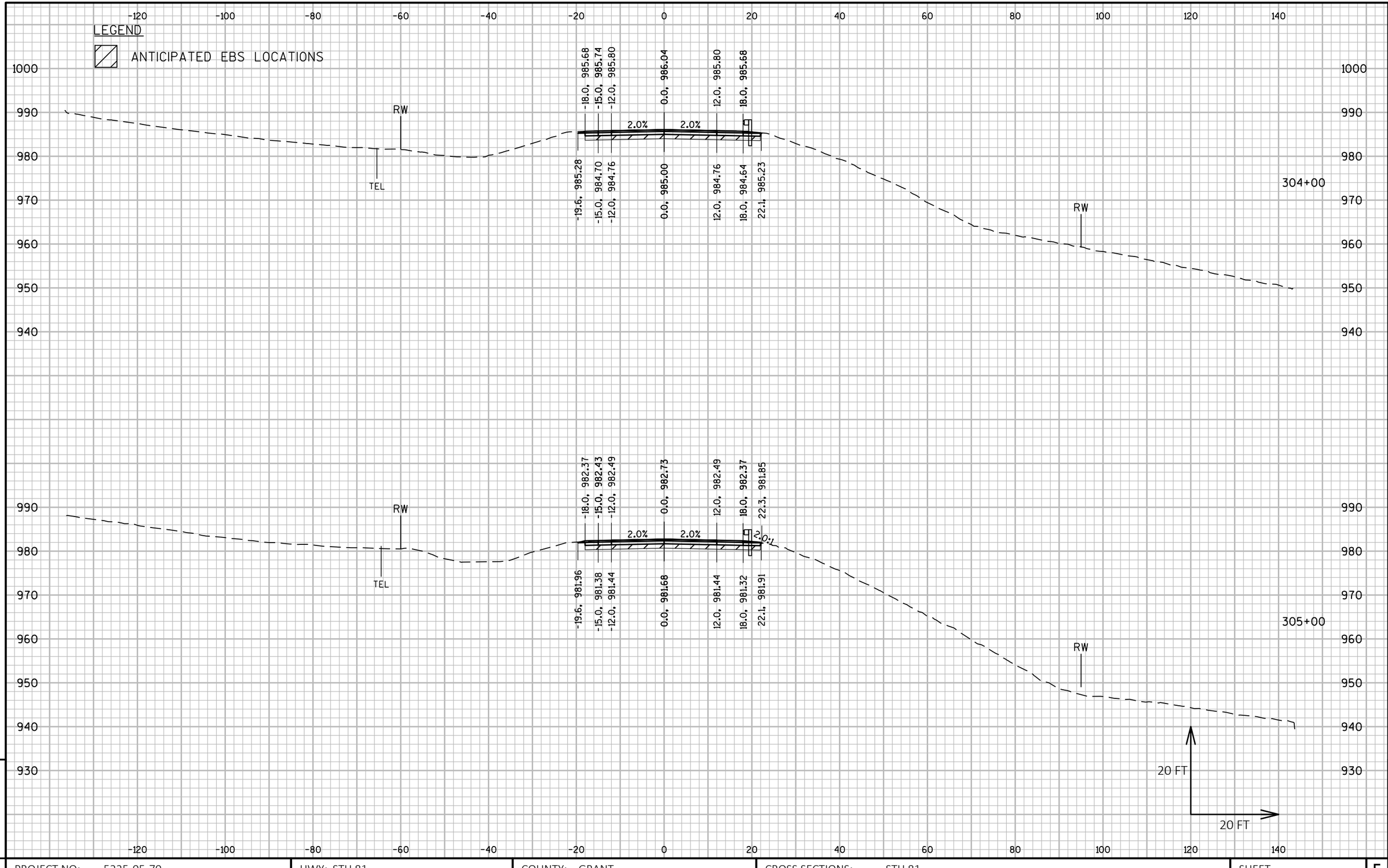
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 54

PLOT DATE : 10/30/2019 6:51 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

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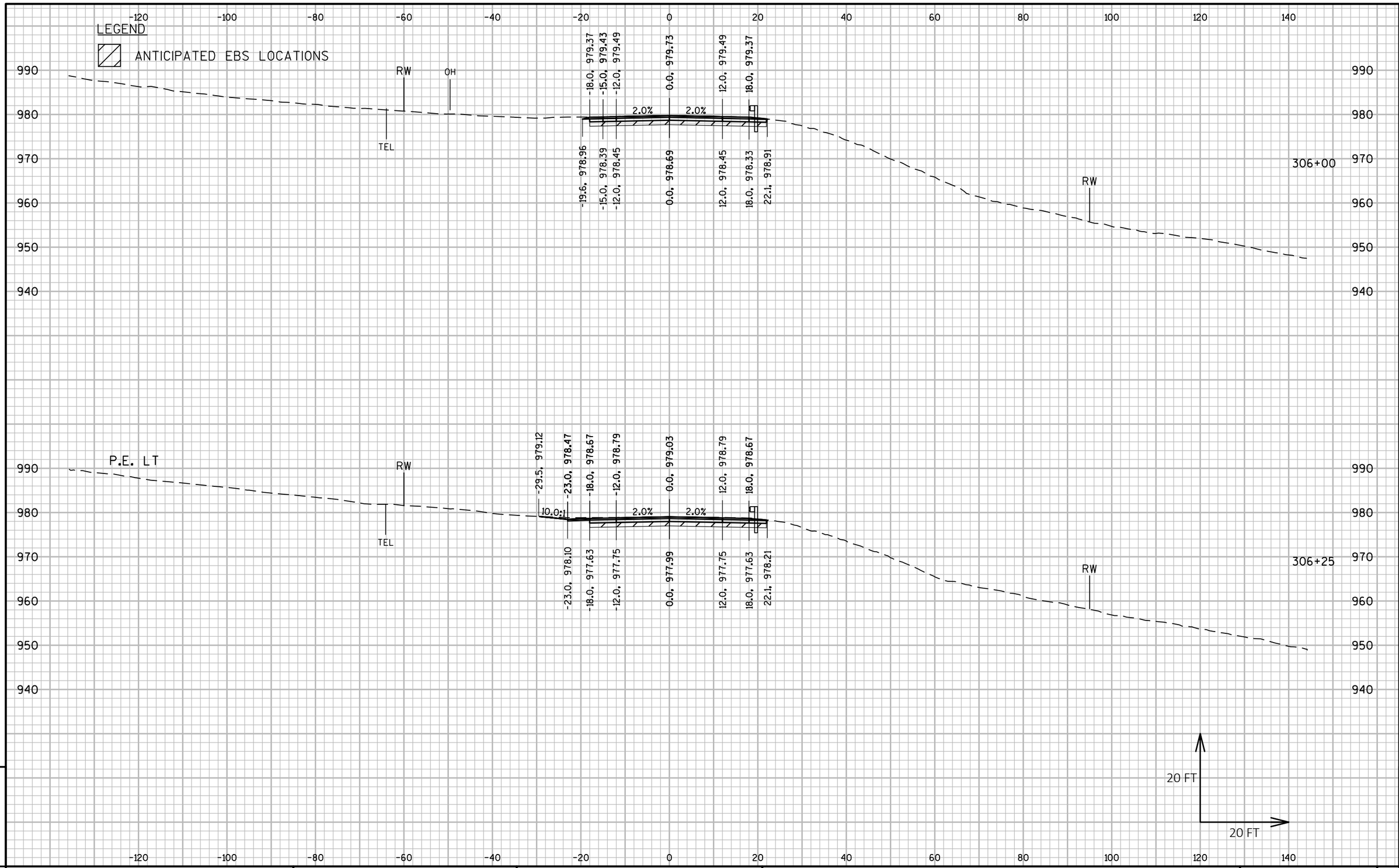
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 55

PLOT DATE : 10/30/2019 6:53 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

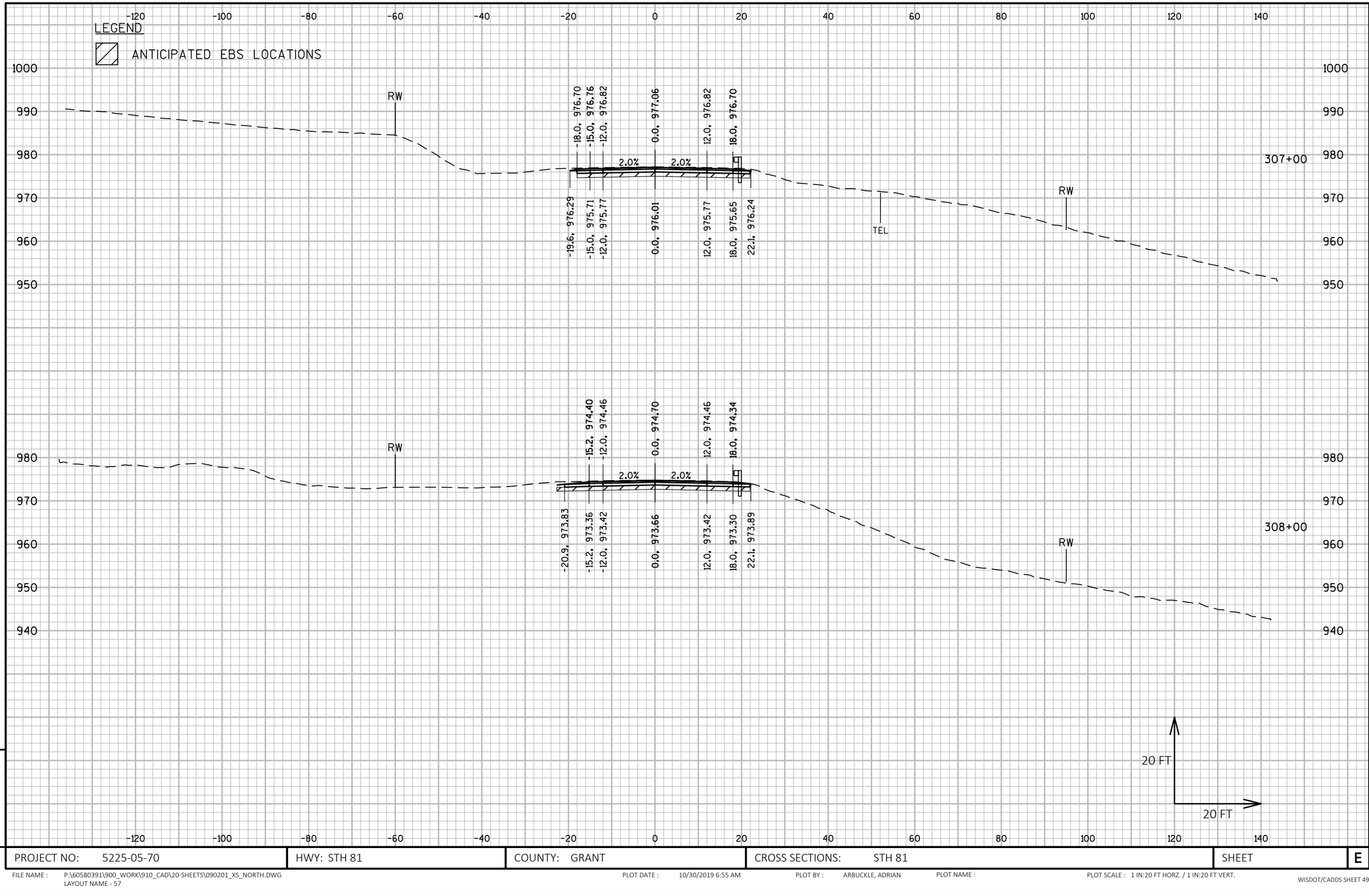
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 56

PLOT DATE : 10/30/2019 6:54 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS

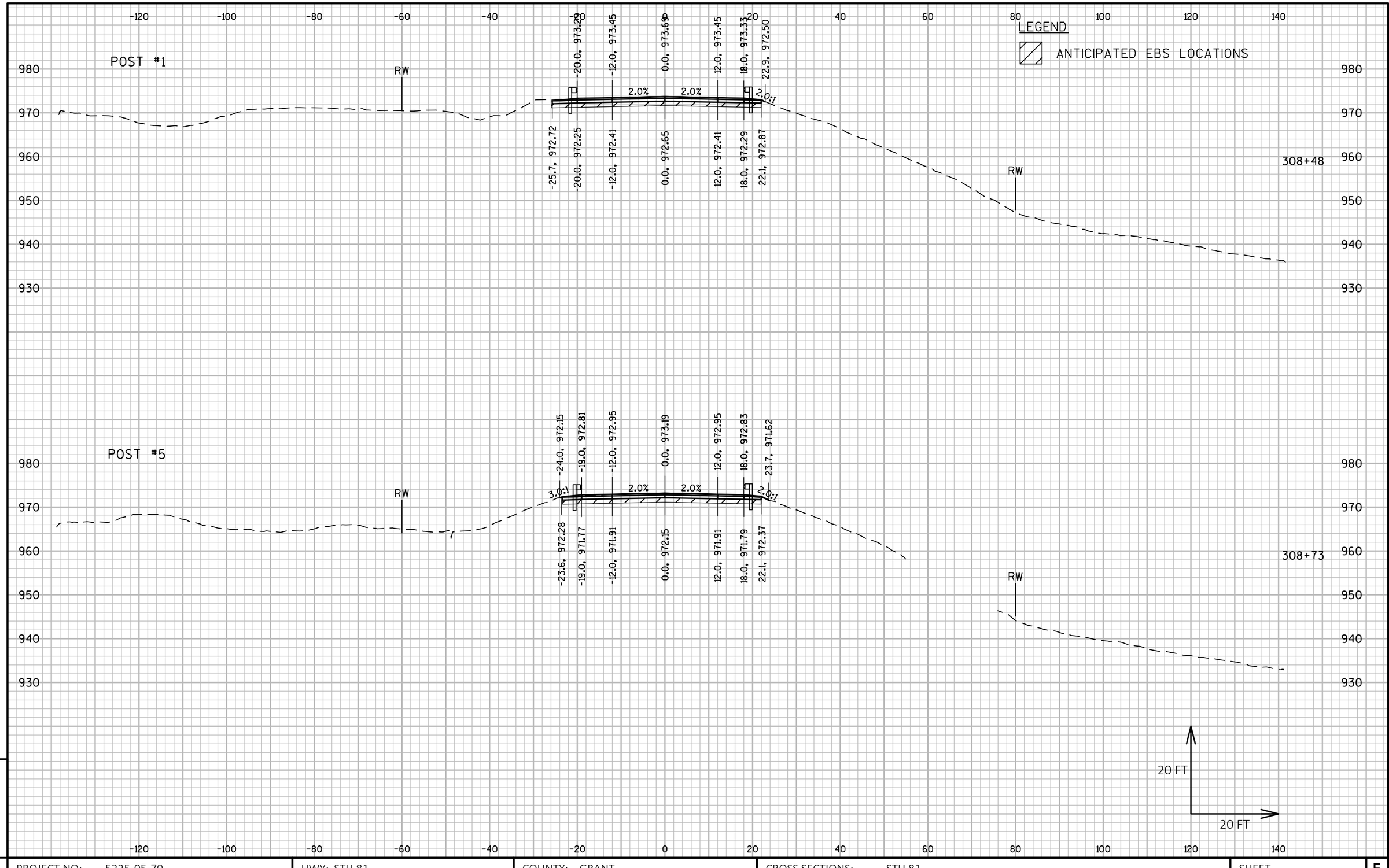


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 57

PLOT DATE : 10/30/2019 6:55 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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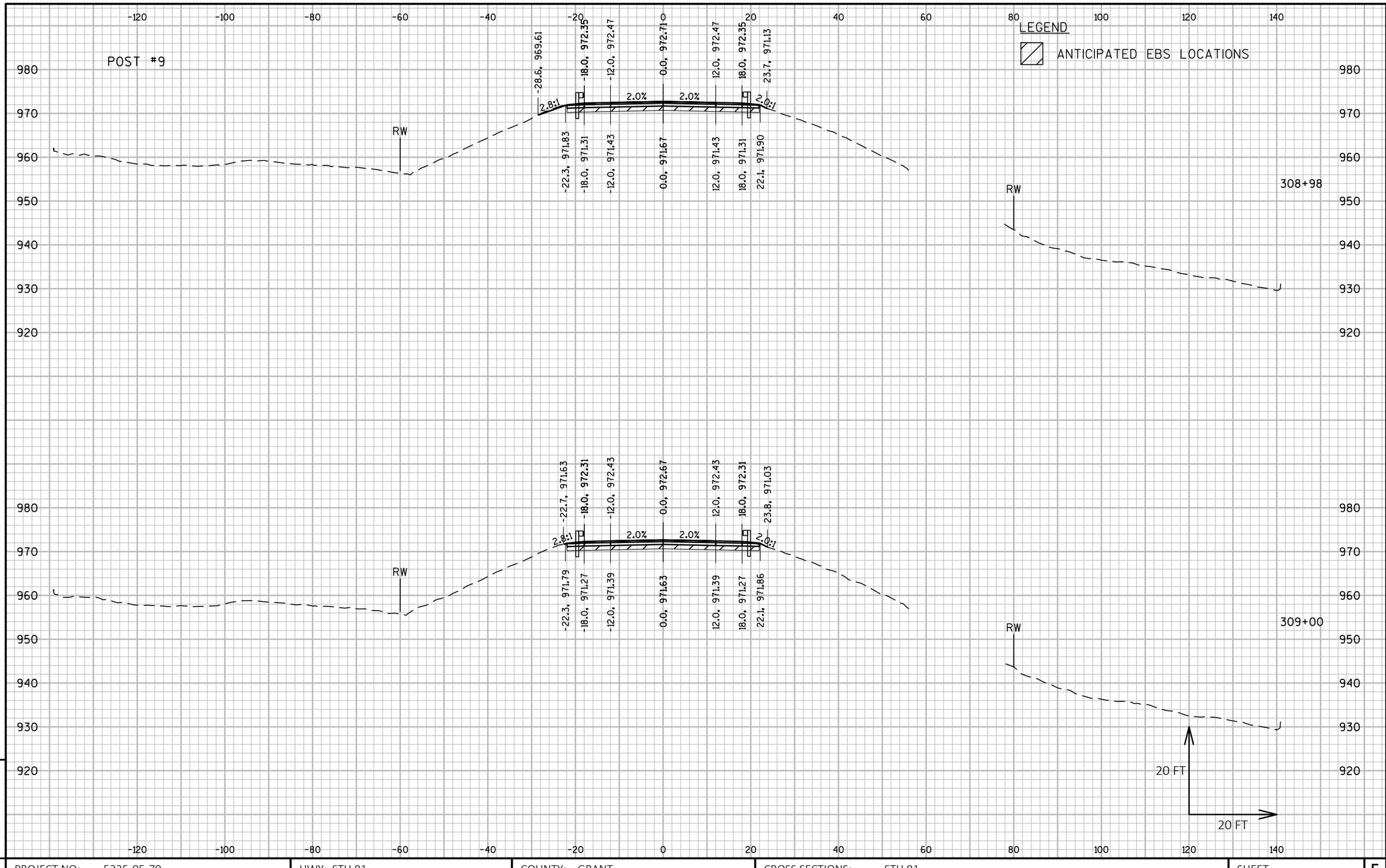
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 58

PLOT DATE : 10/30/2019 6:56 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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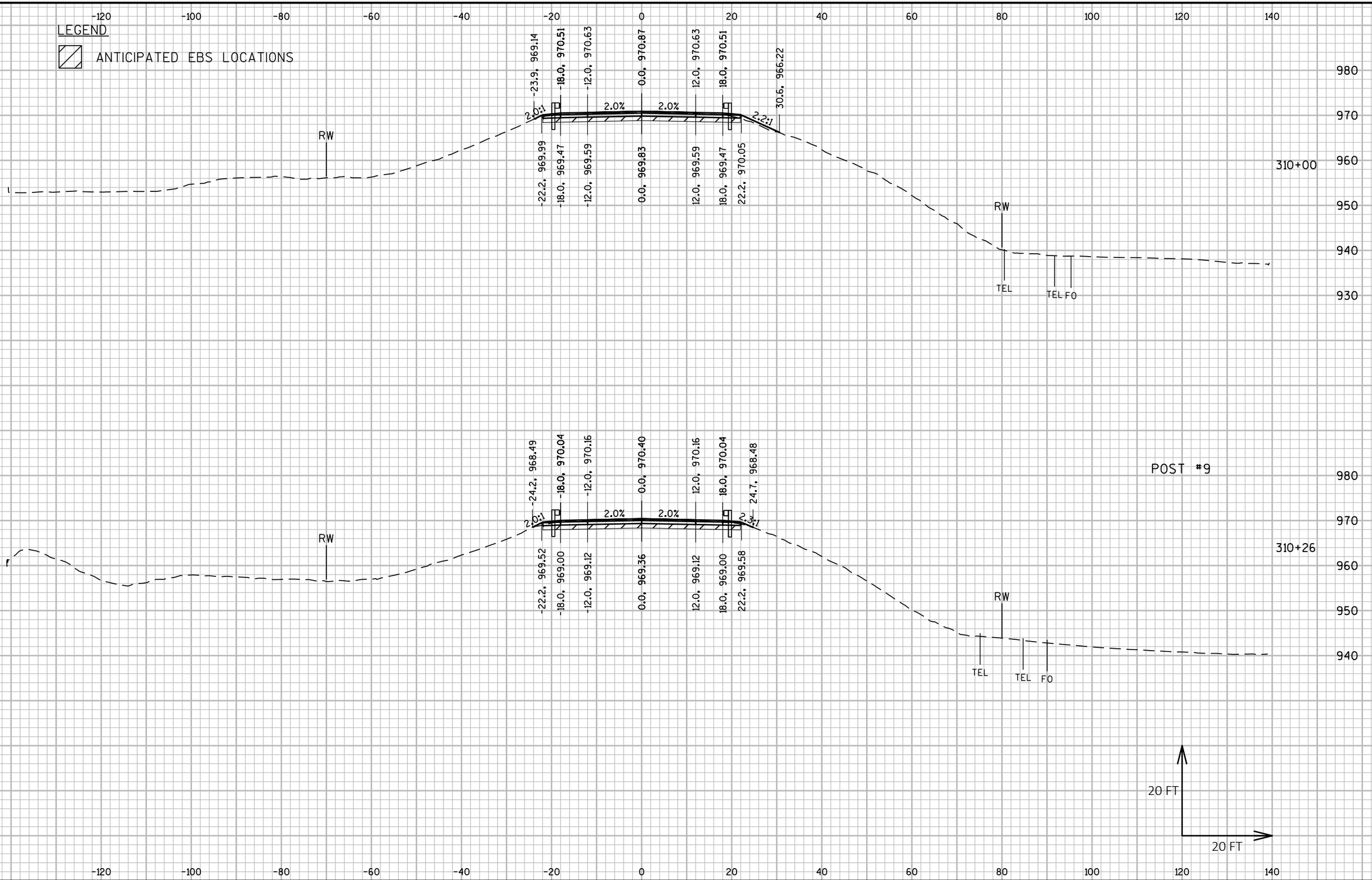
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 59
PLOT DATE : 10/30/2019 6:58 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

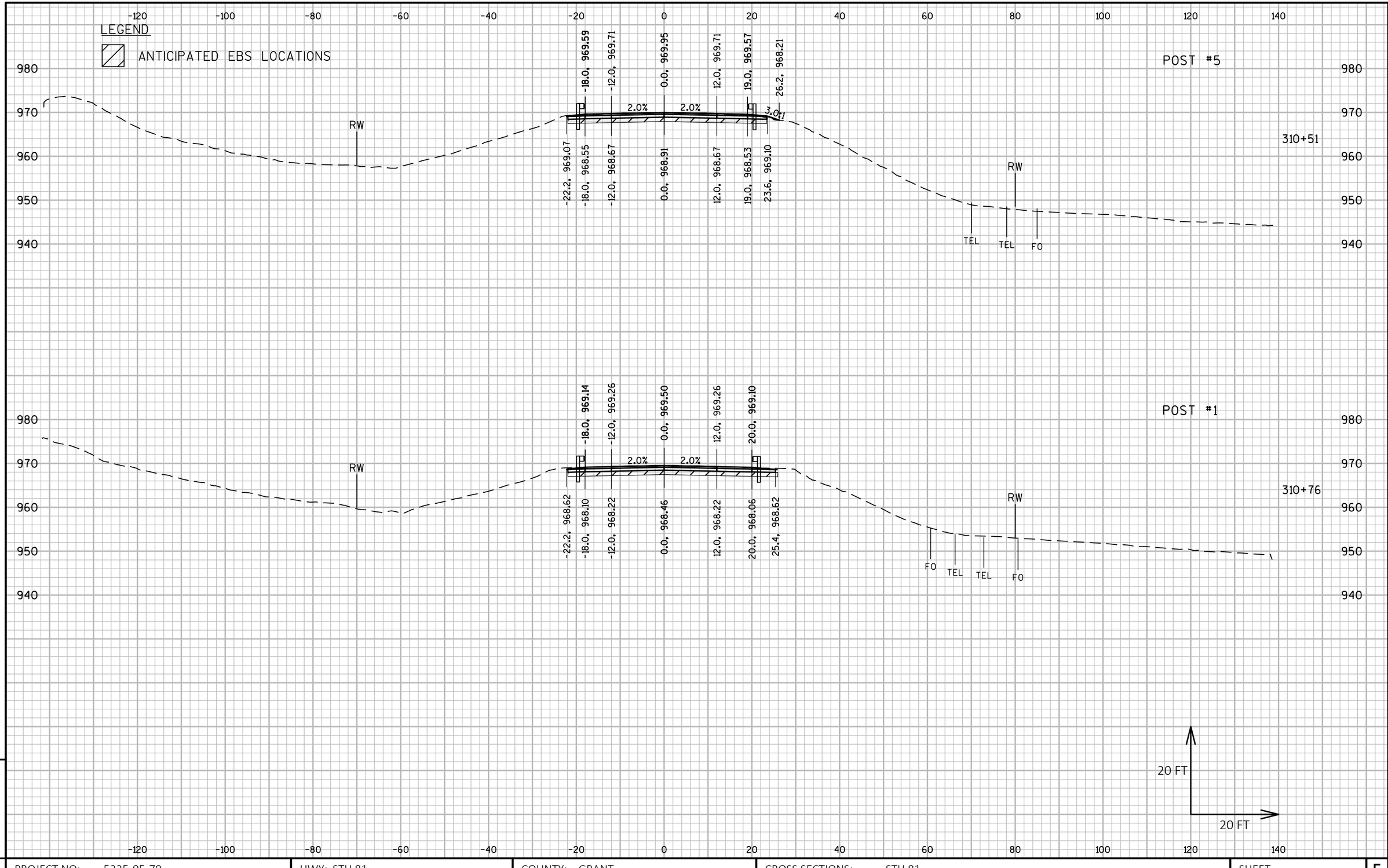
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 60

PLOT DATE : 10/30/2019 6:59 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

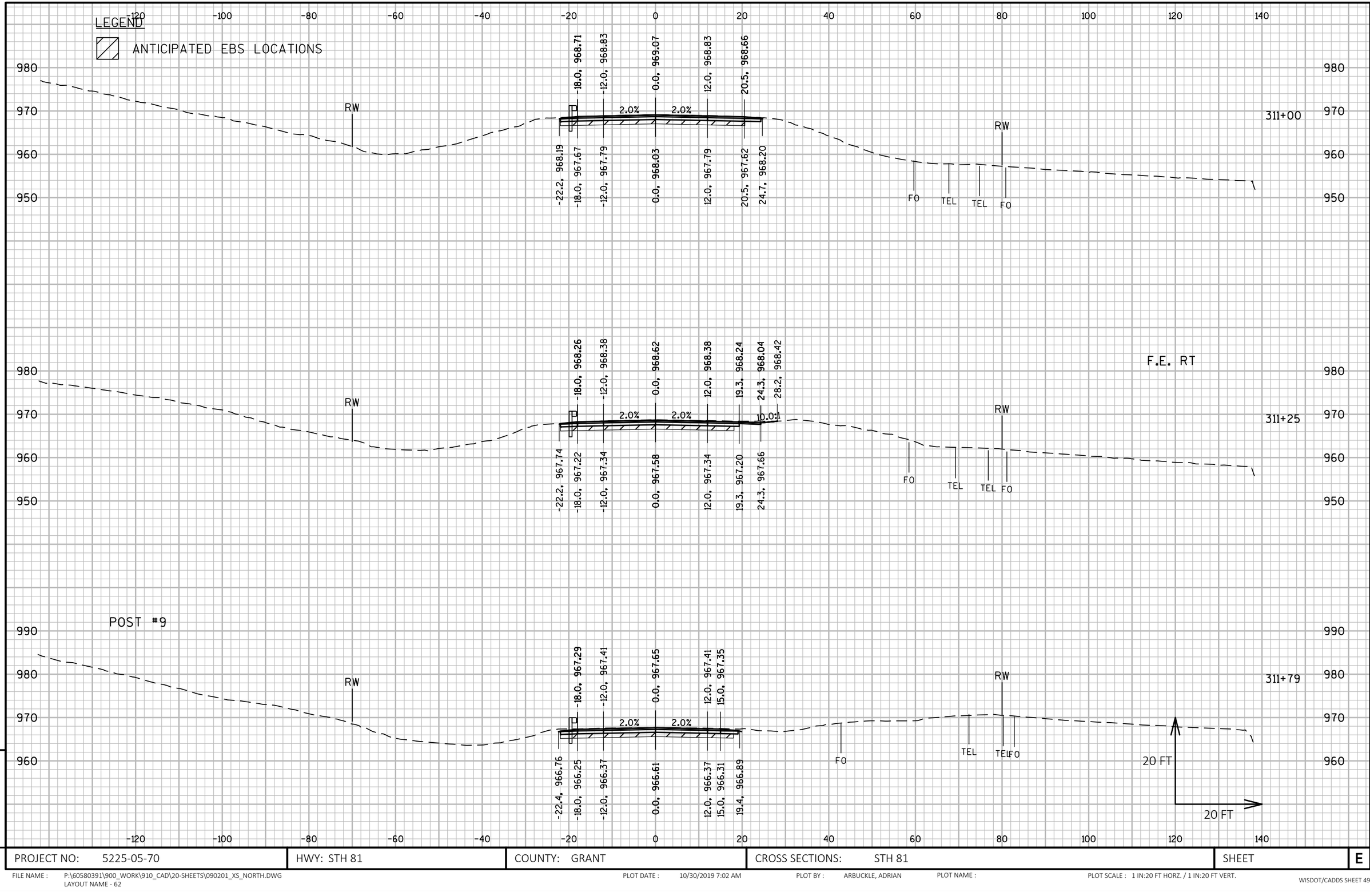
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

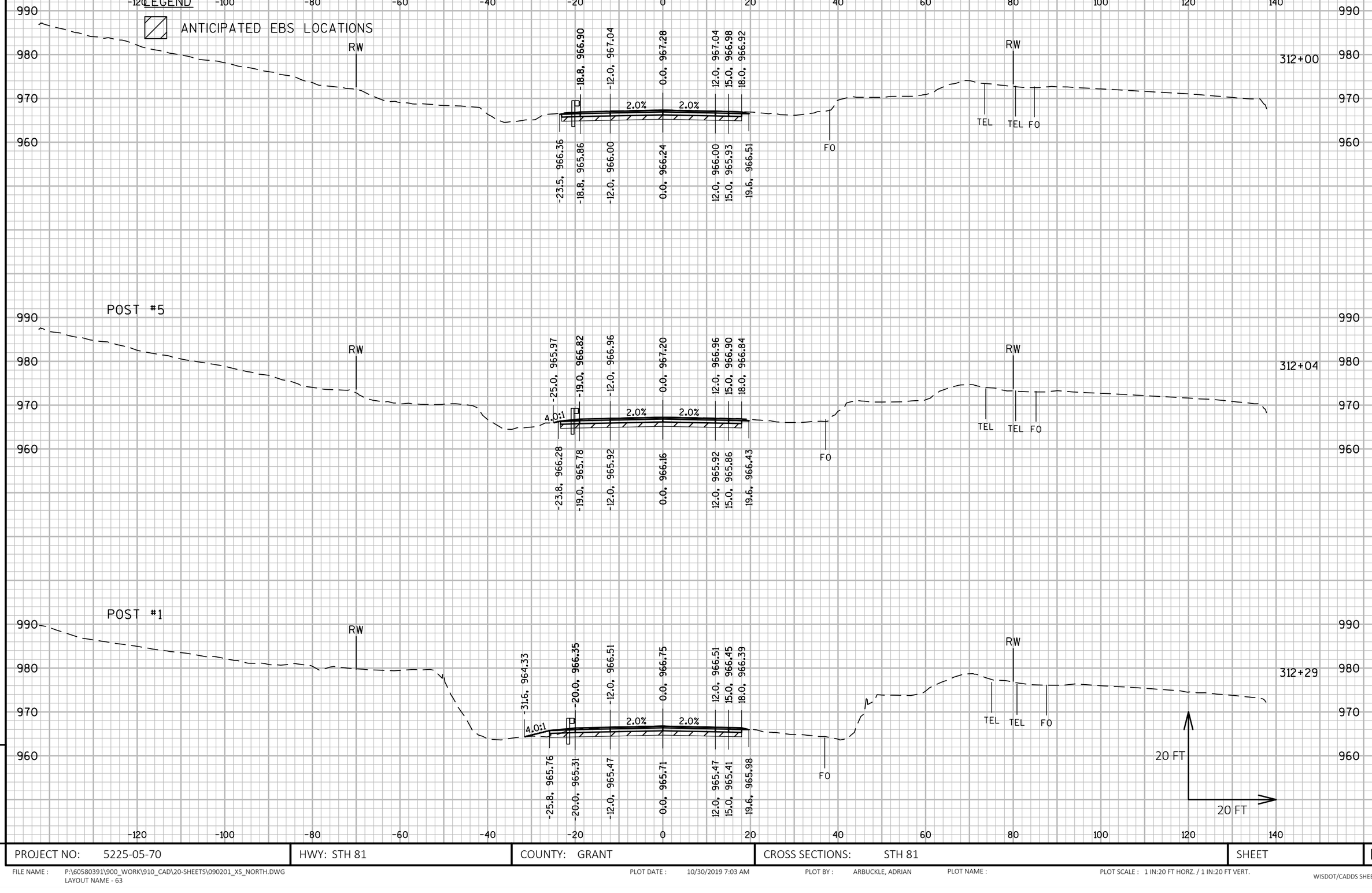
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

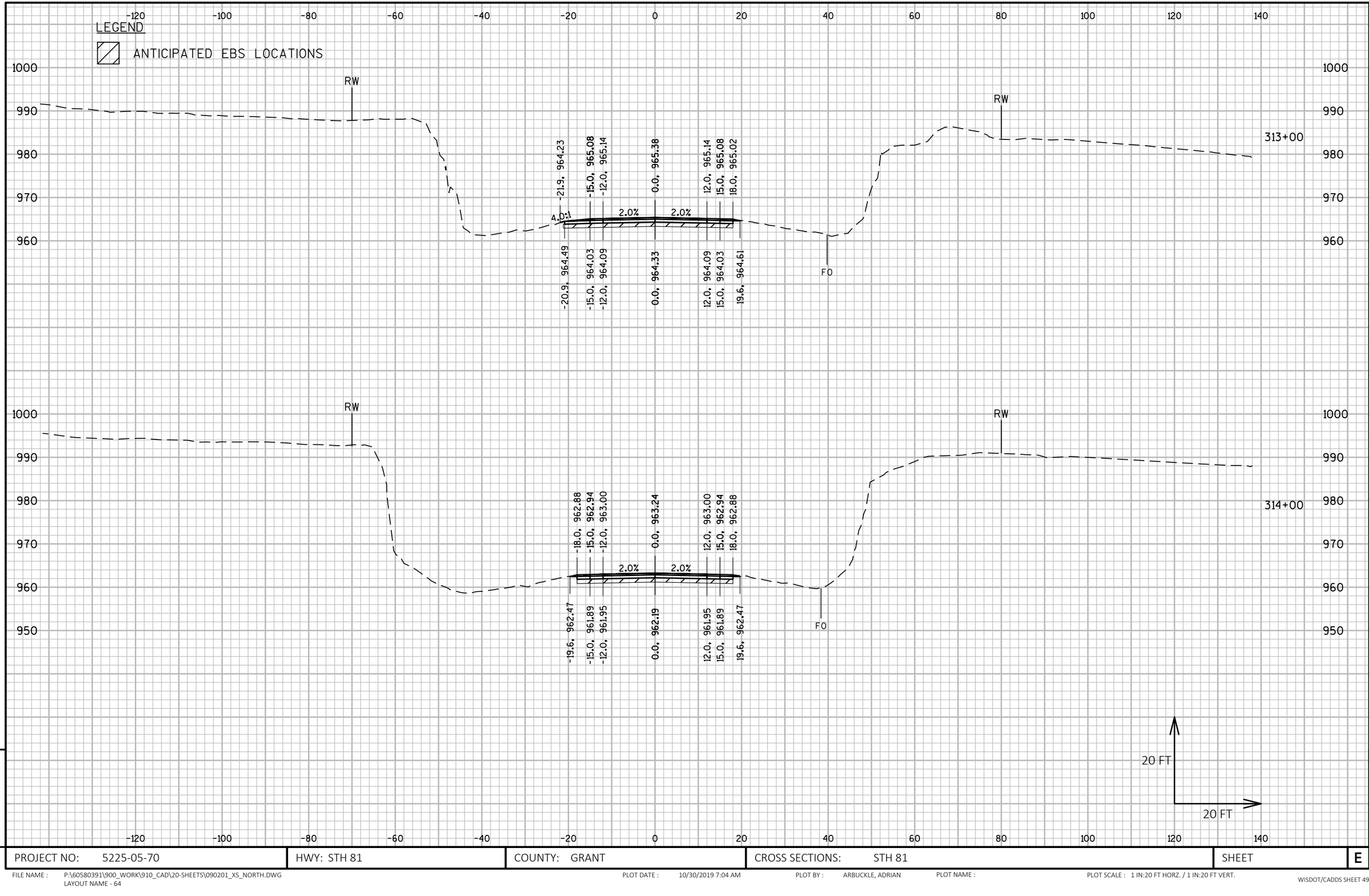
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

ANTICIPATED EBS LOCATIONS



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

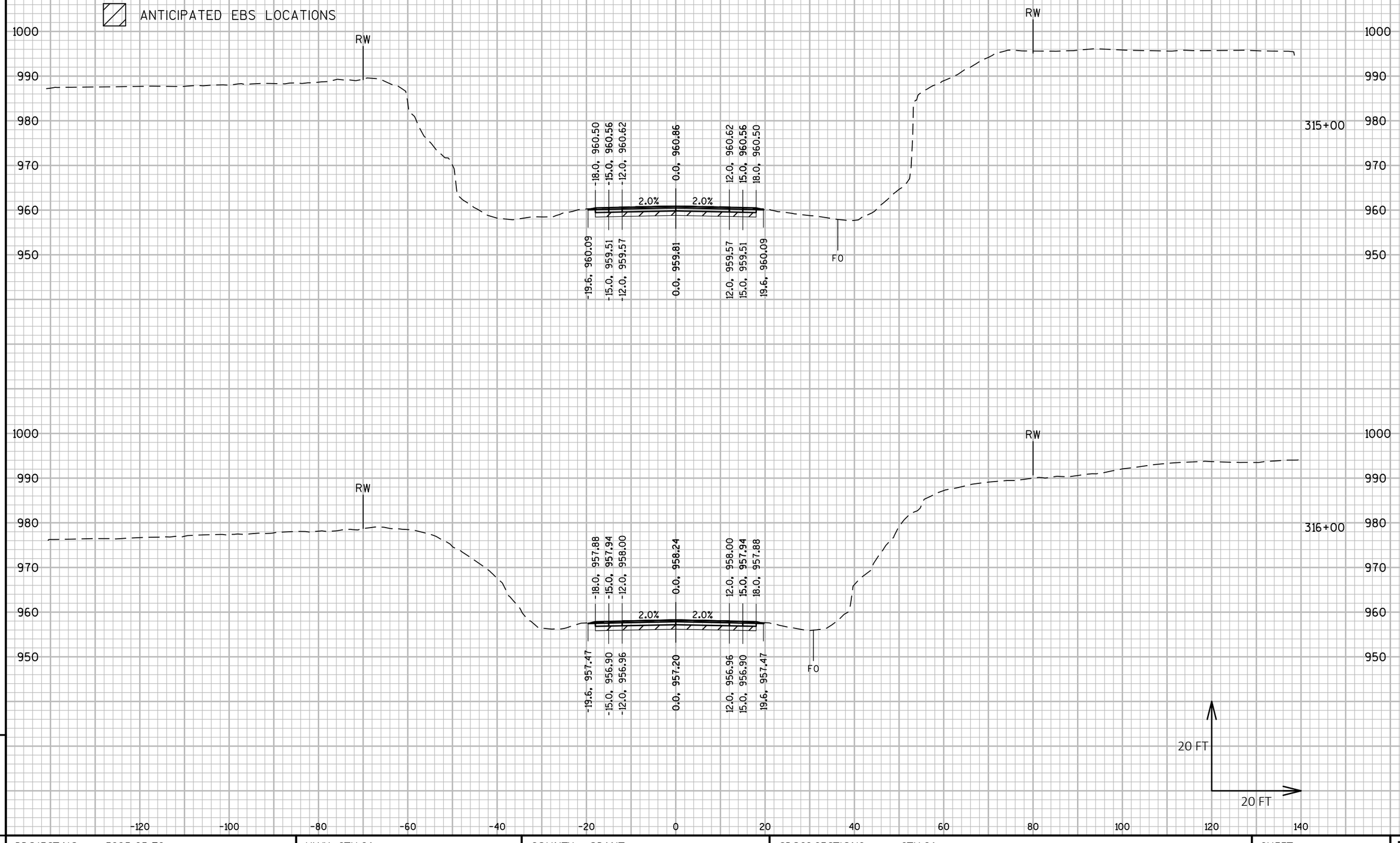
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 64

PLOT DATE : 10/30/2019 7:04 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



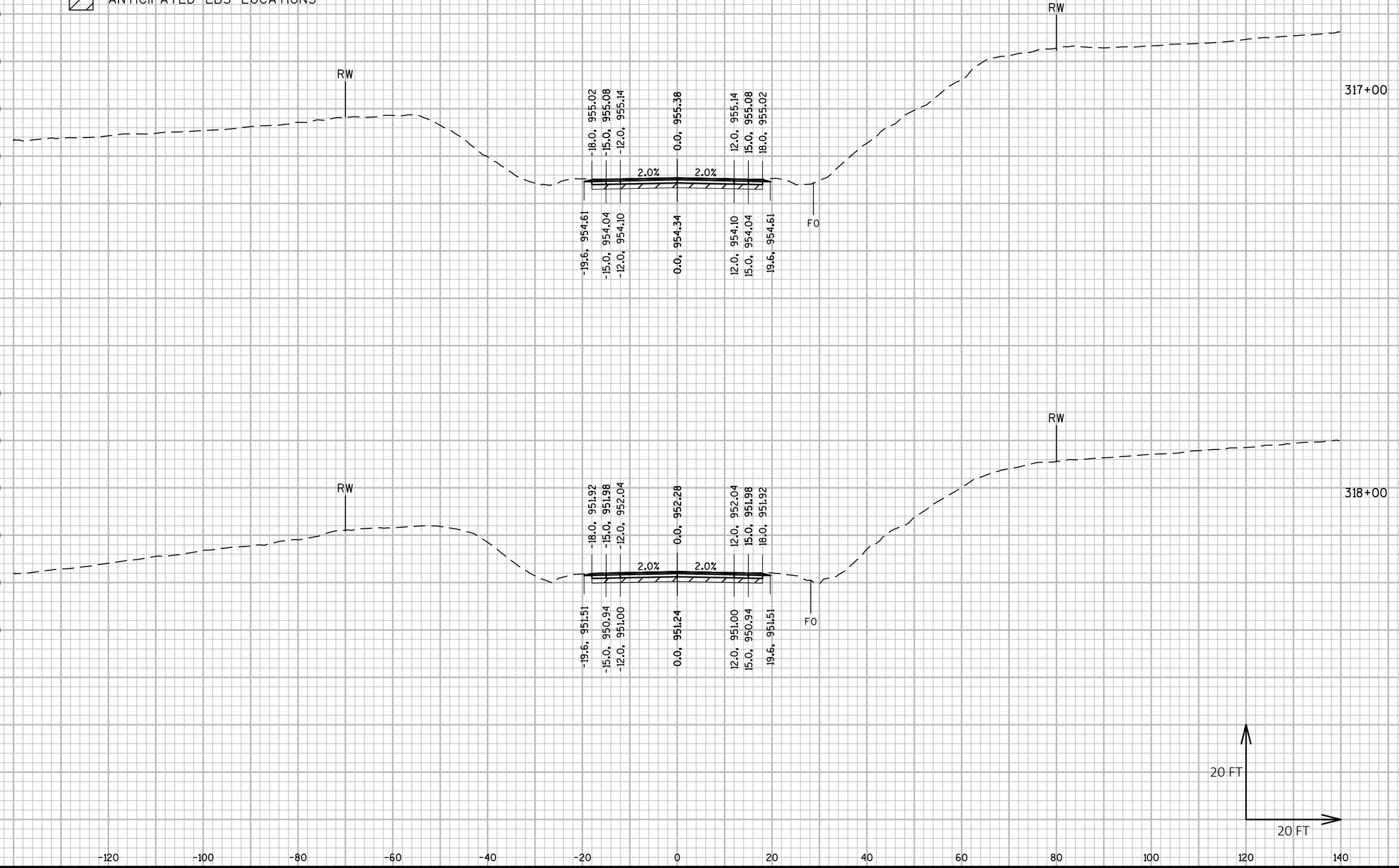
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

9 9

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 65
PLOT DATE : 10/30/2019 7:05 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS

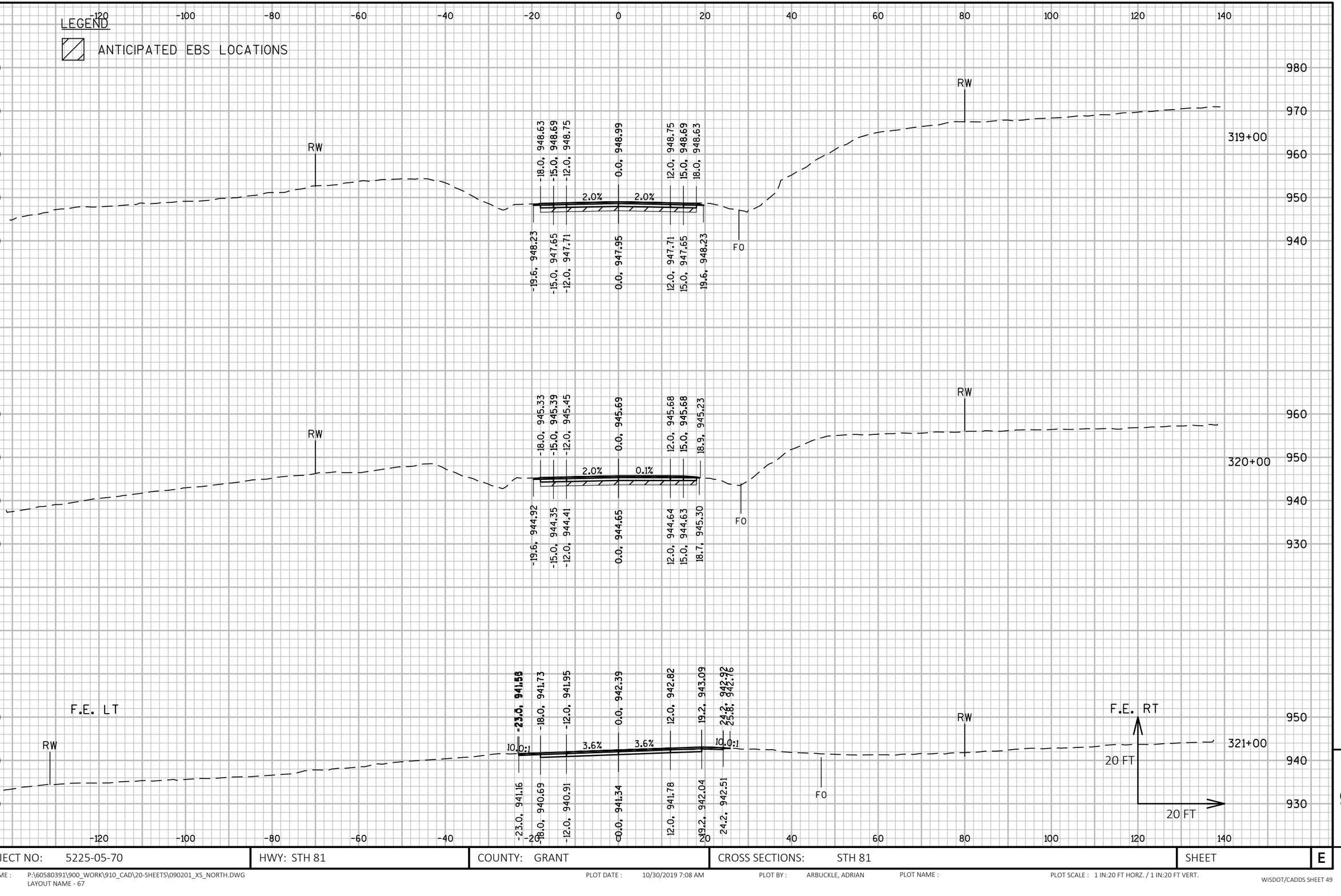


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 66
PLOT DATE : 10/30/2019 7:07 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS

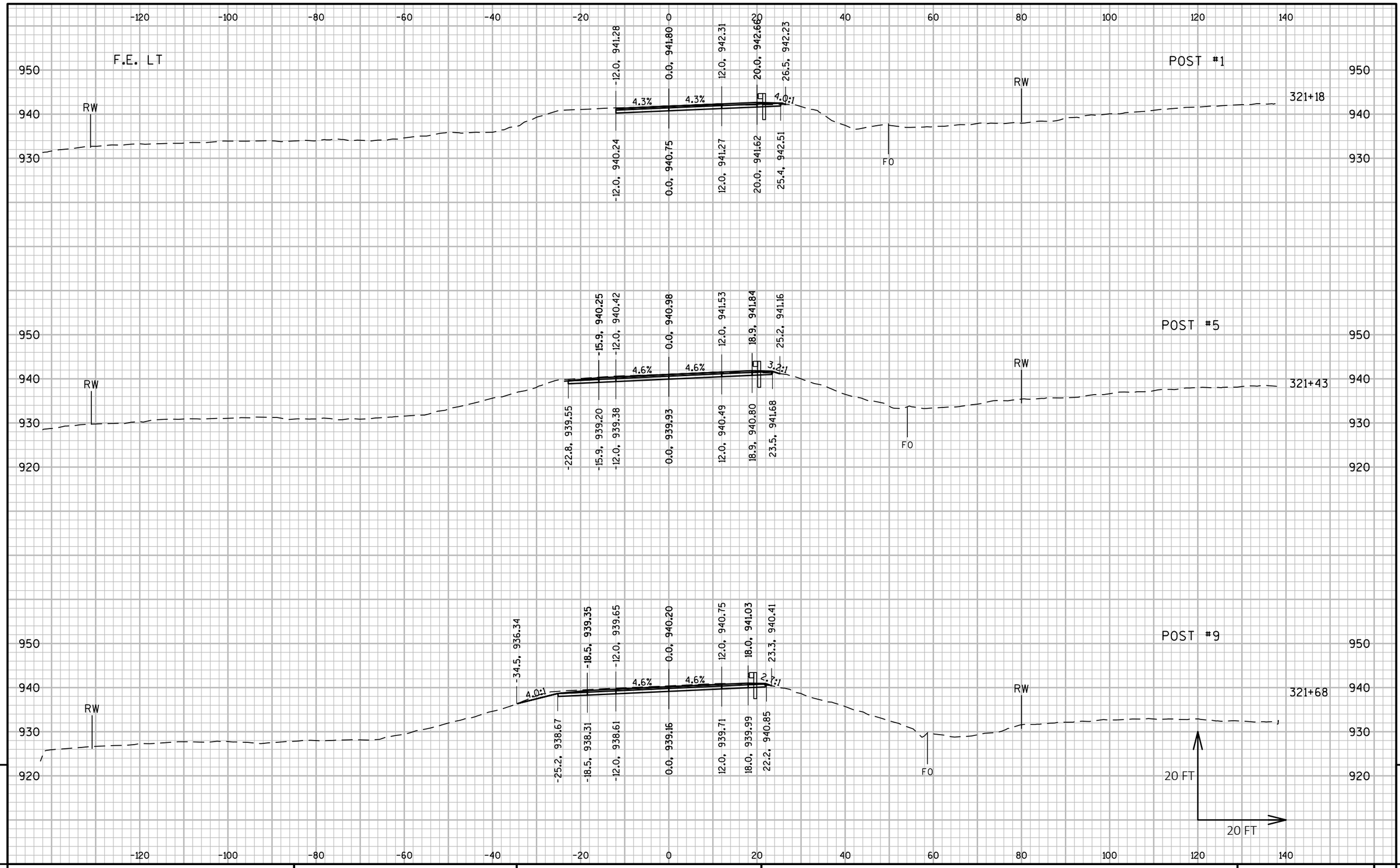


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 67

PLOT DATE : 10/30/2019 7:08 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

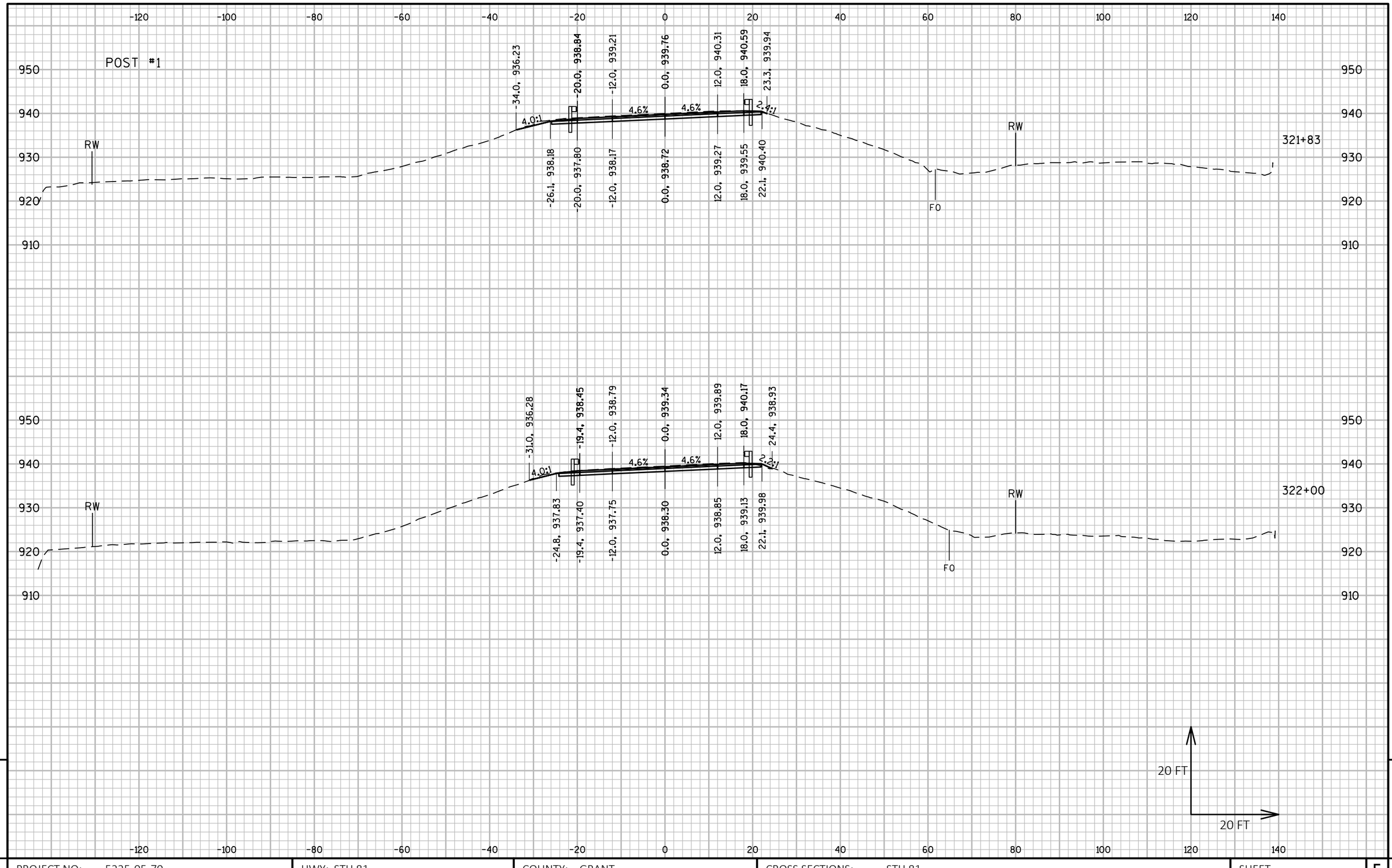
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

9

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 68
PLOT DATE : 10/30/2019 7:09 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 69

PLOT DATE : 10/30/2019 7:10 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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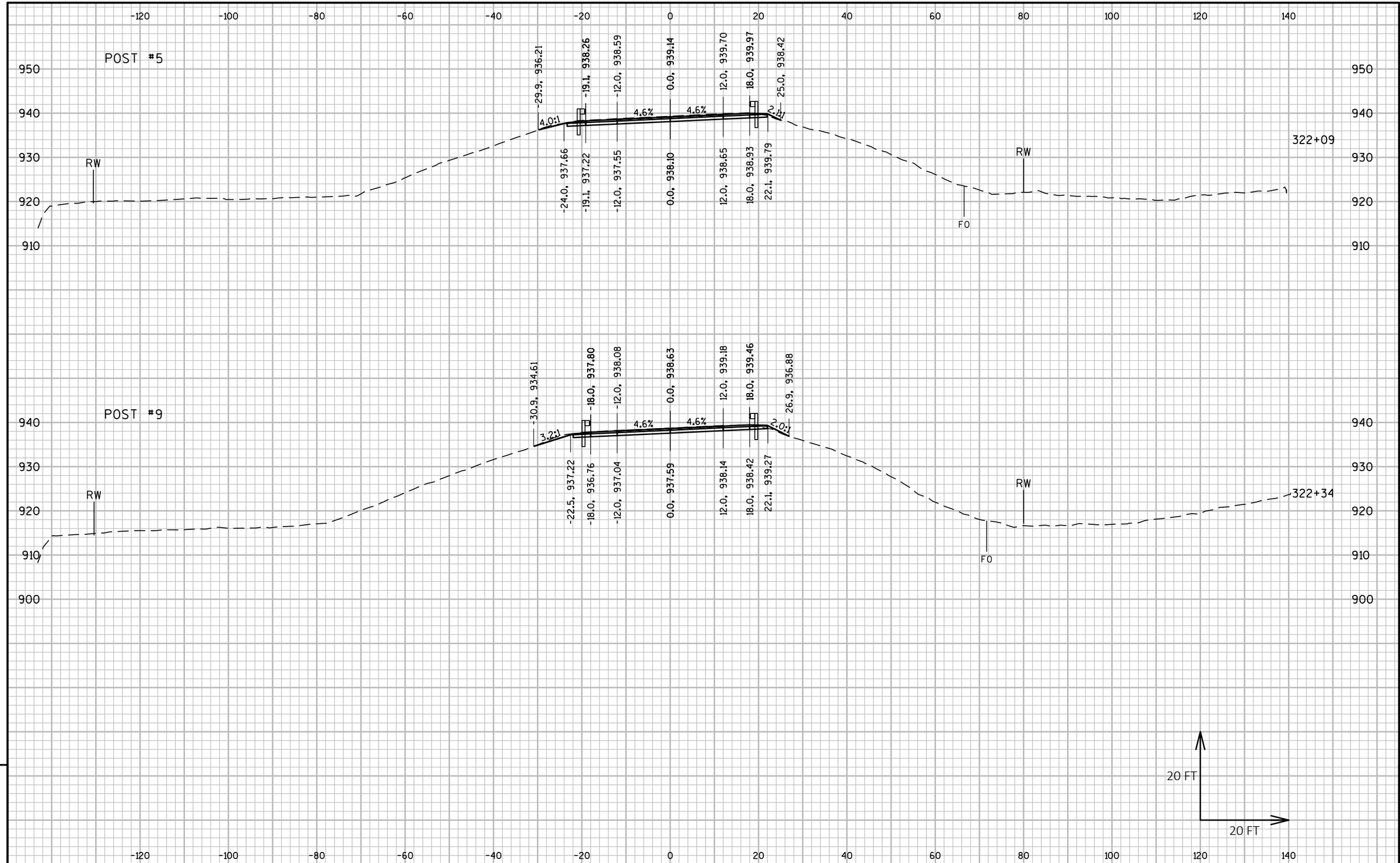

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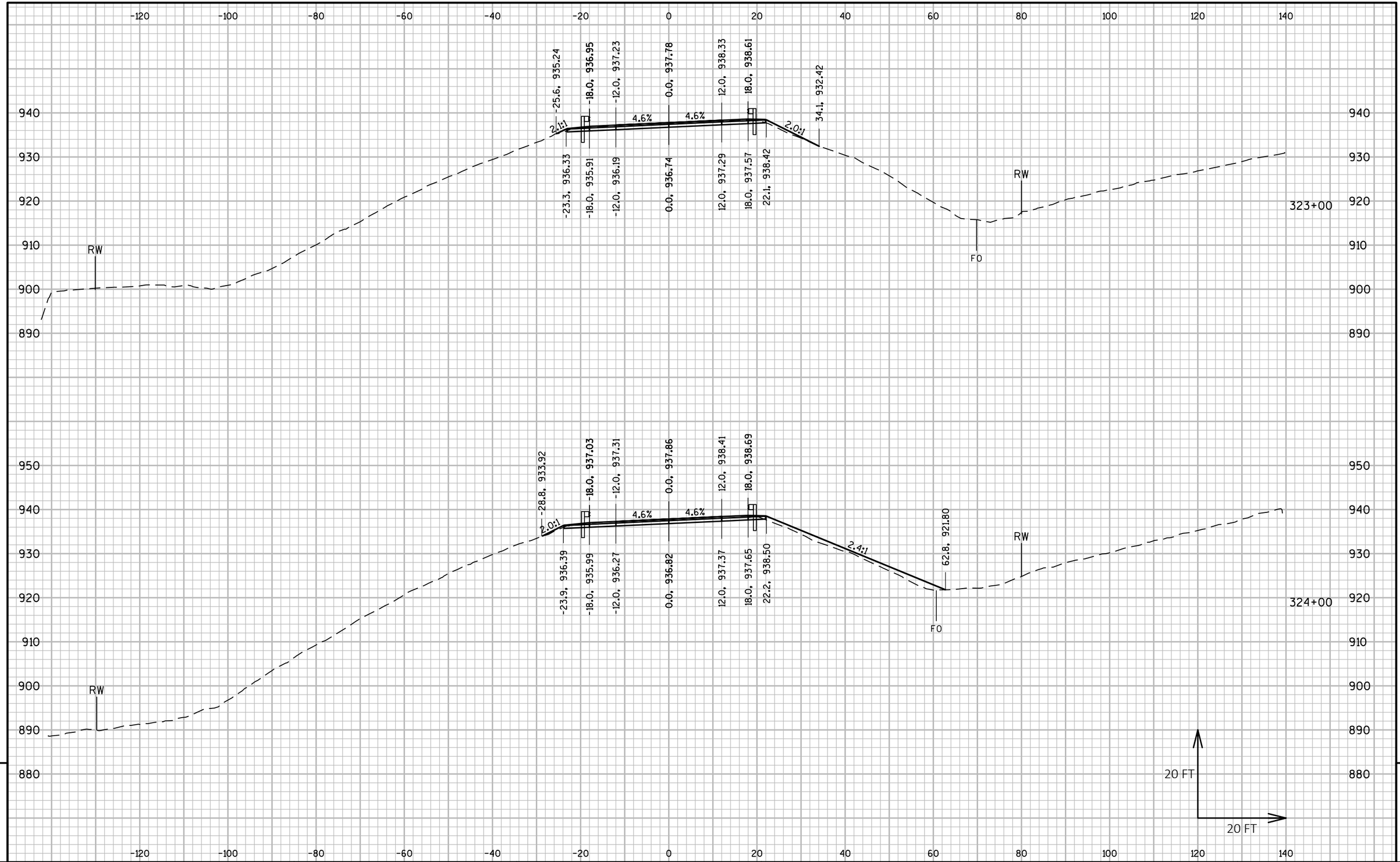
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 70

PLOT DATE : 10/30/2019 7:11 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

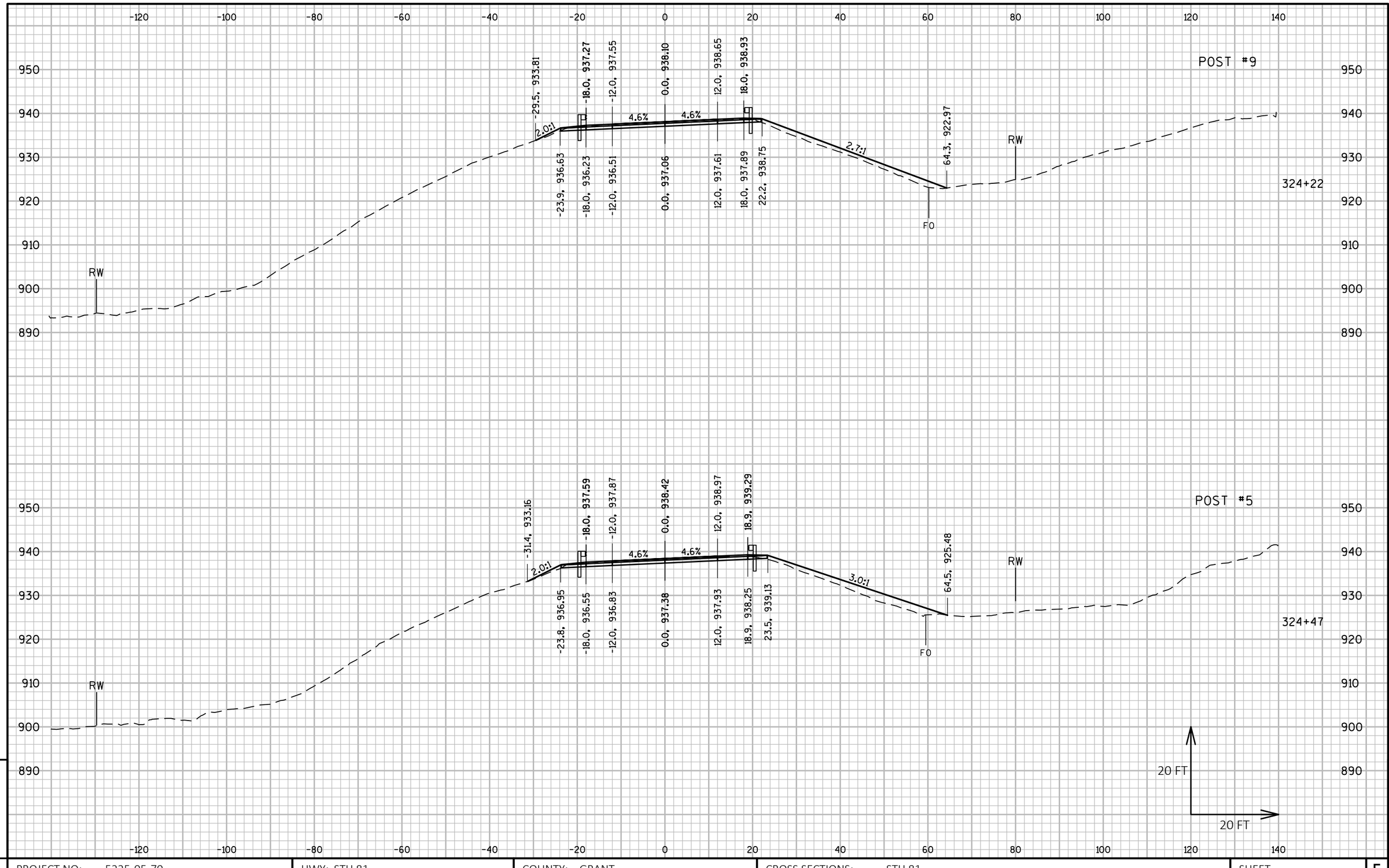
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 71

PLOT DATE : 10/30/2019 7:13 AM

PLOT BY : ARBUCKLE, ADRIAN

PLOT NAME :

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

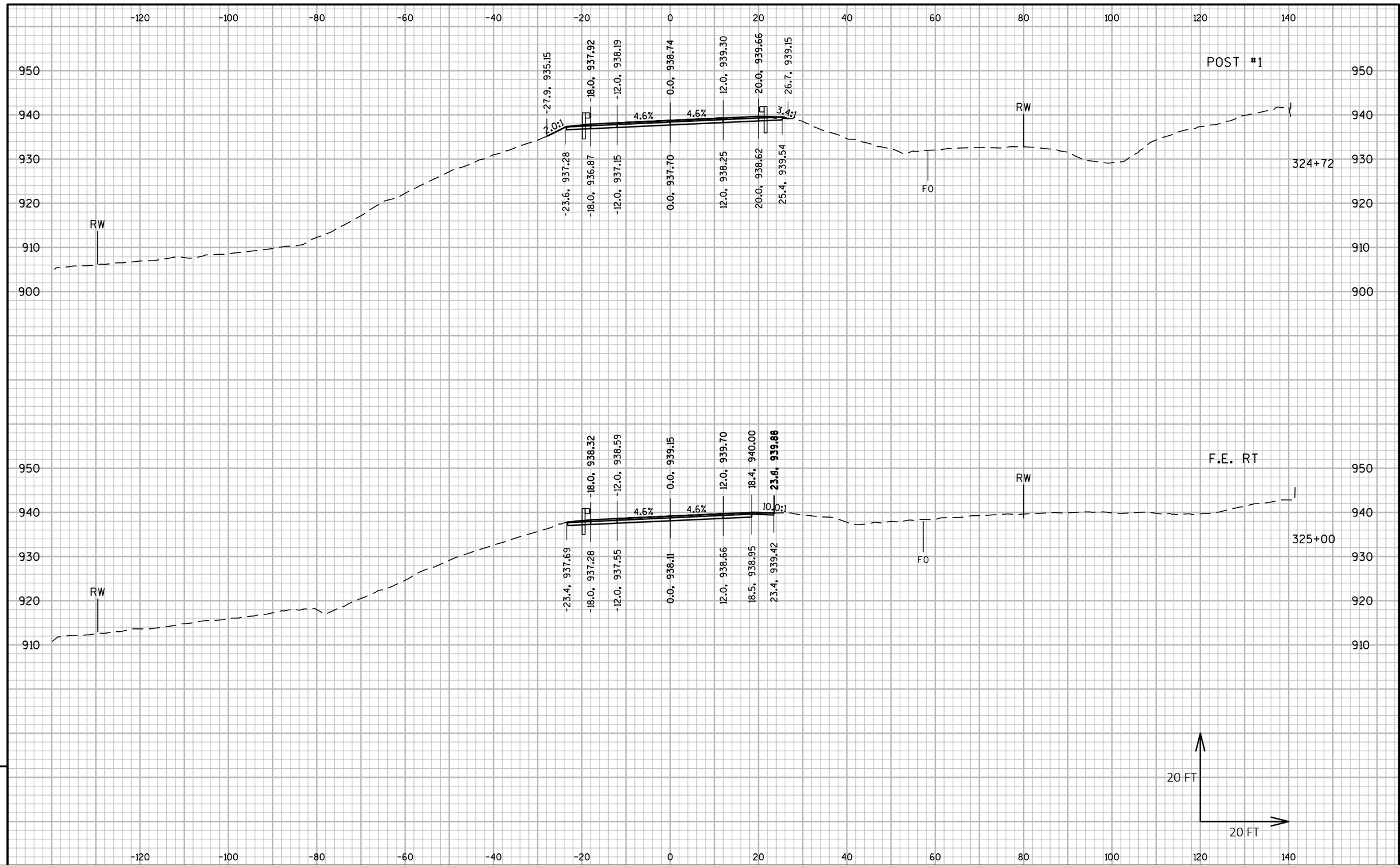


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

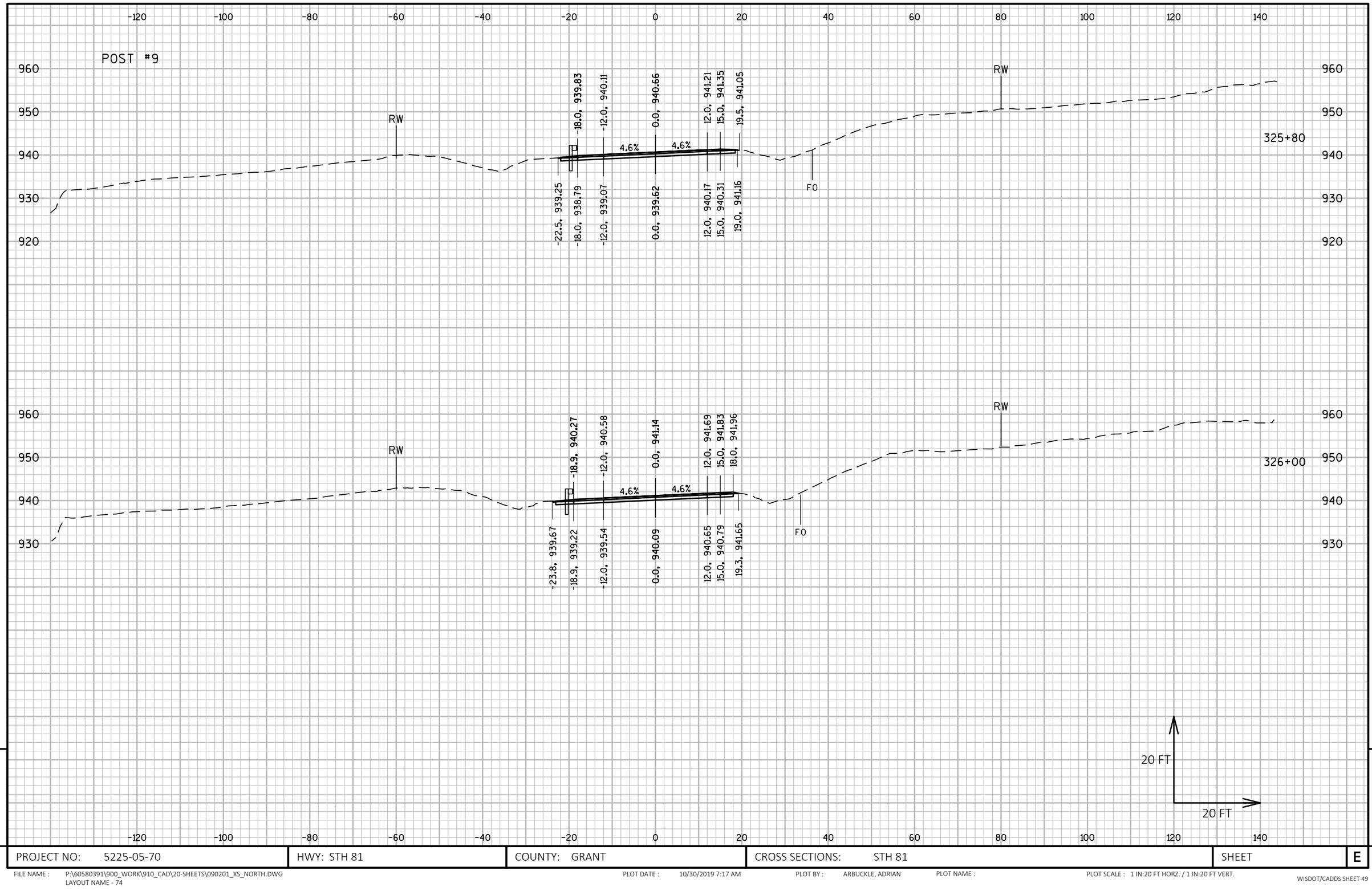
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 72

PLOT DATE : 10/30/2019 7:14 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



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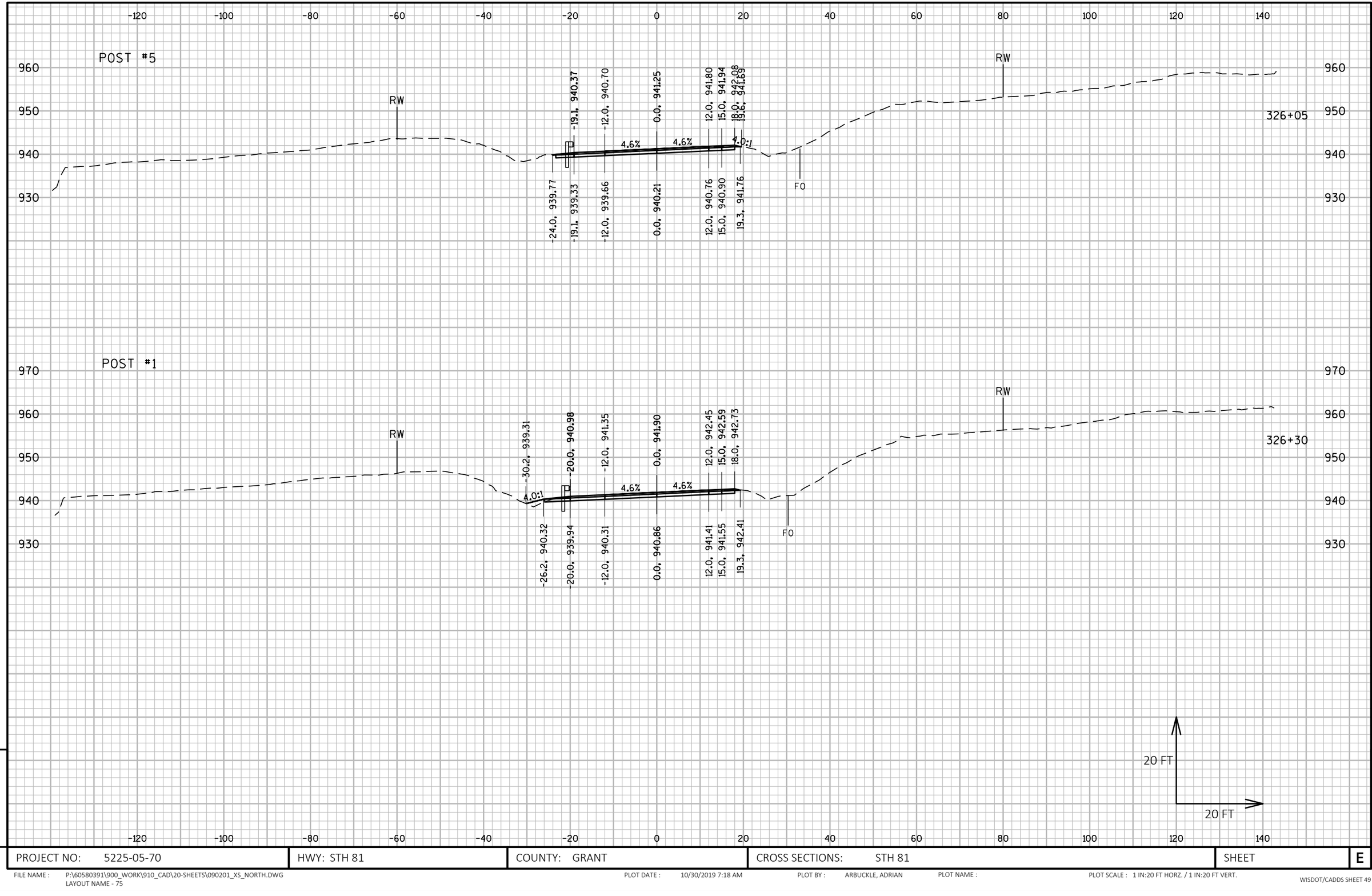
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 74

PLOT DATE : 10/30/2019 7:17 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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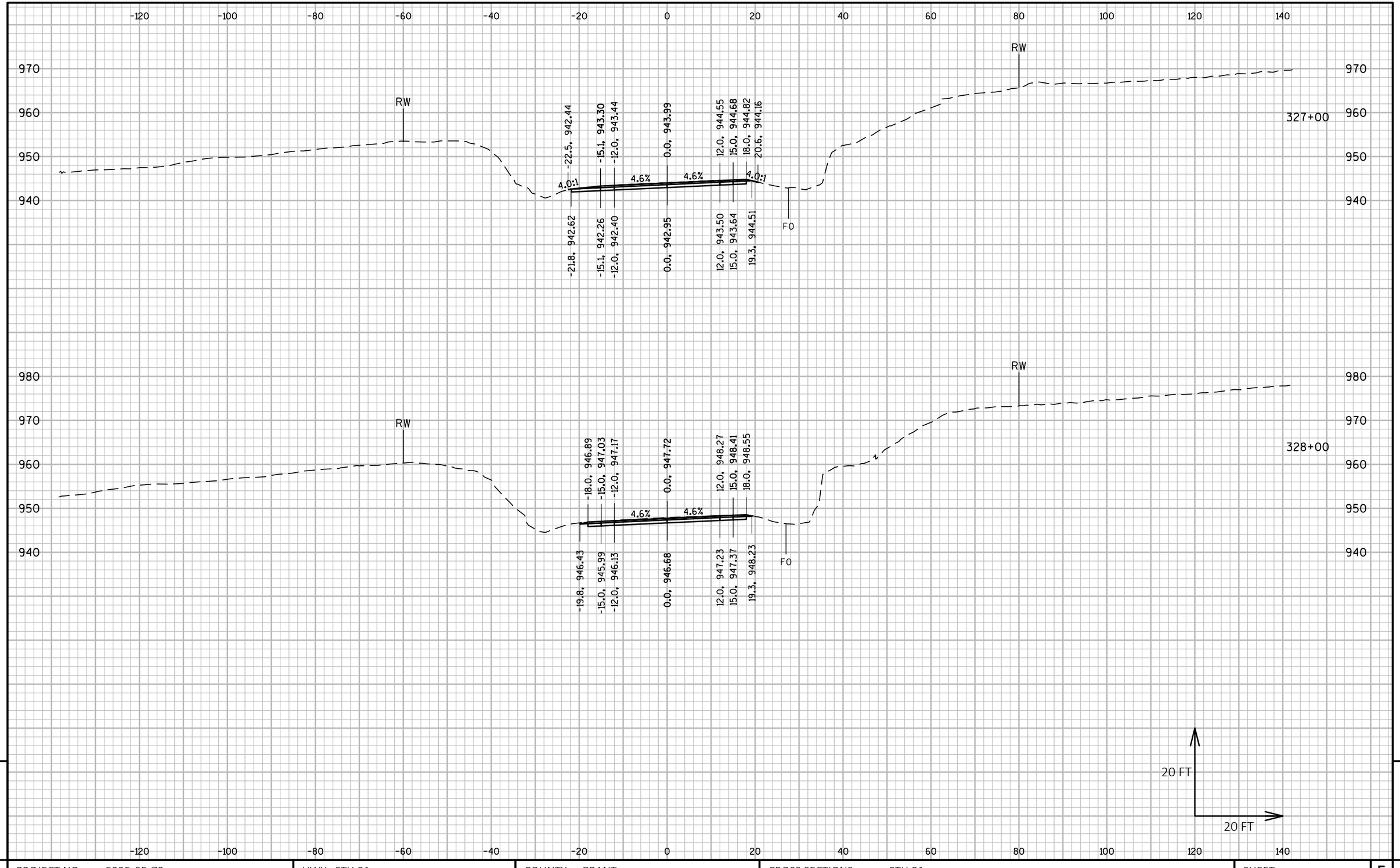
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090201_XS_NORTH.DWG
LAYOUT NAME - 75

PLOT DATE : 10/30/2019 7:18 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

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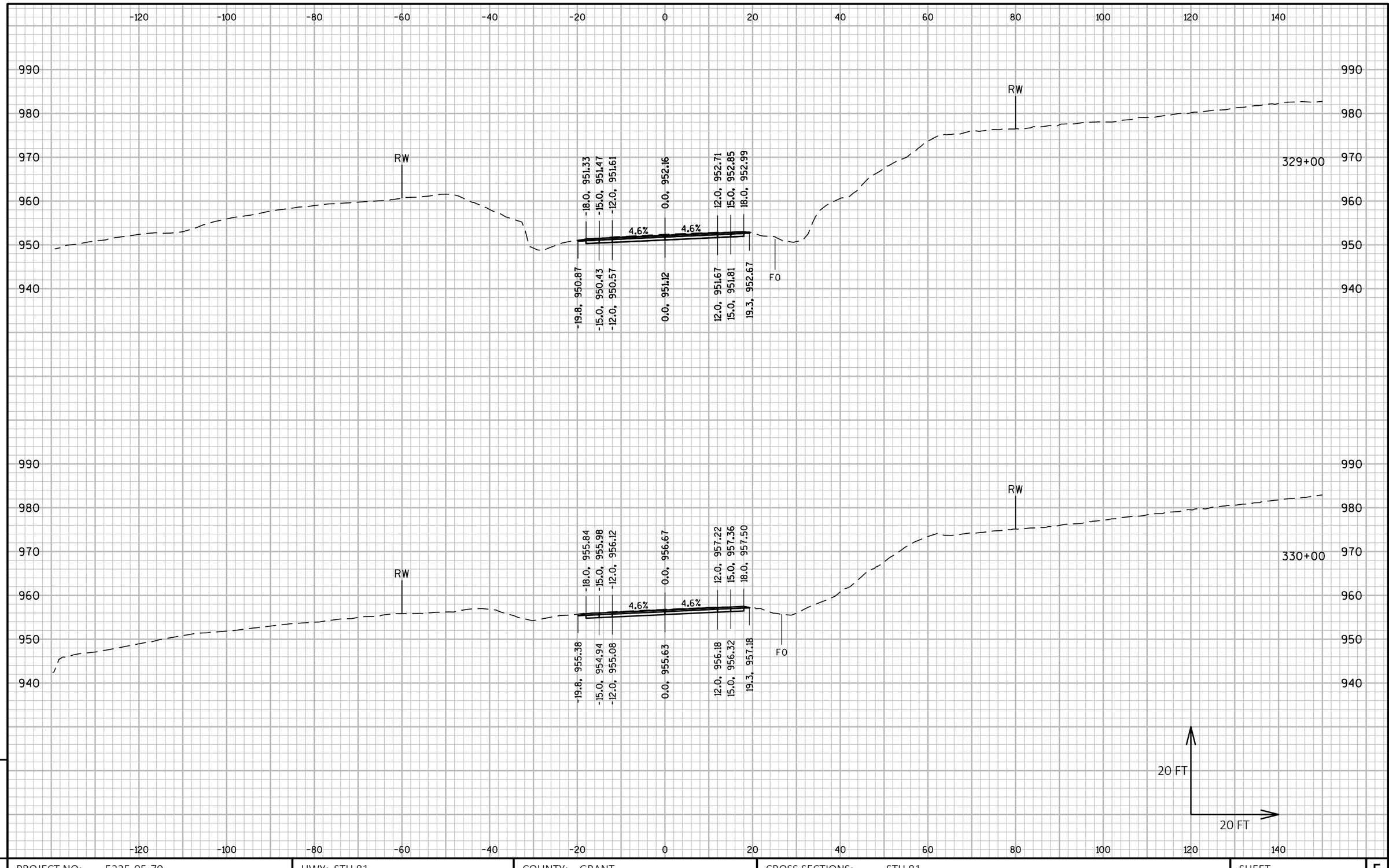
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 1
PLOT DATE : 10/30/2019 5:51 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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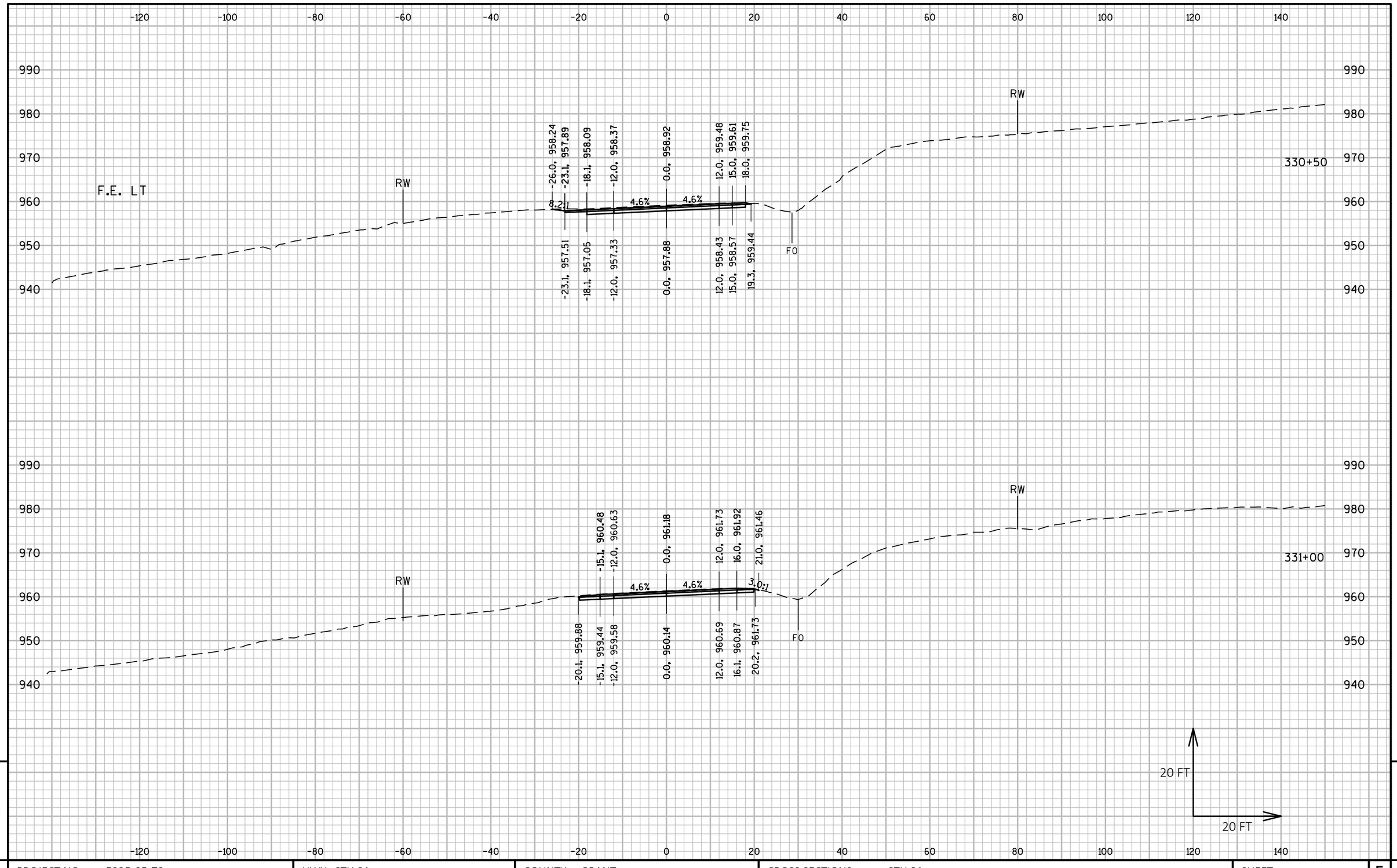
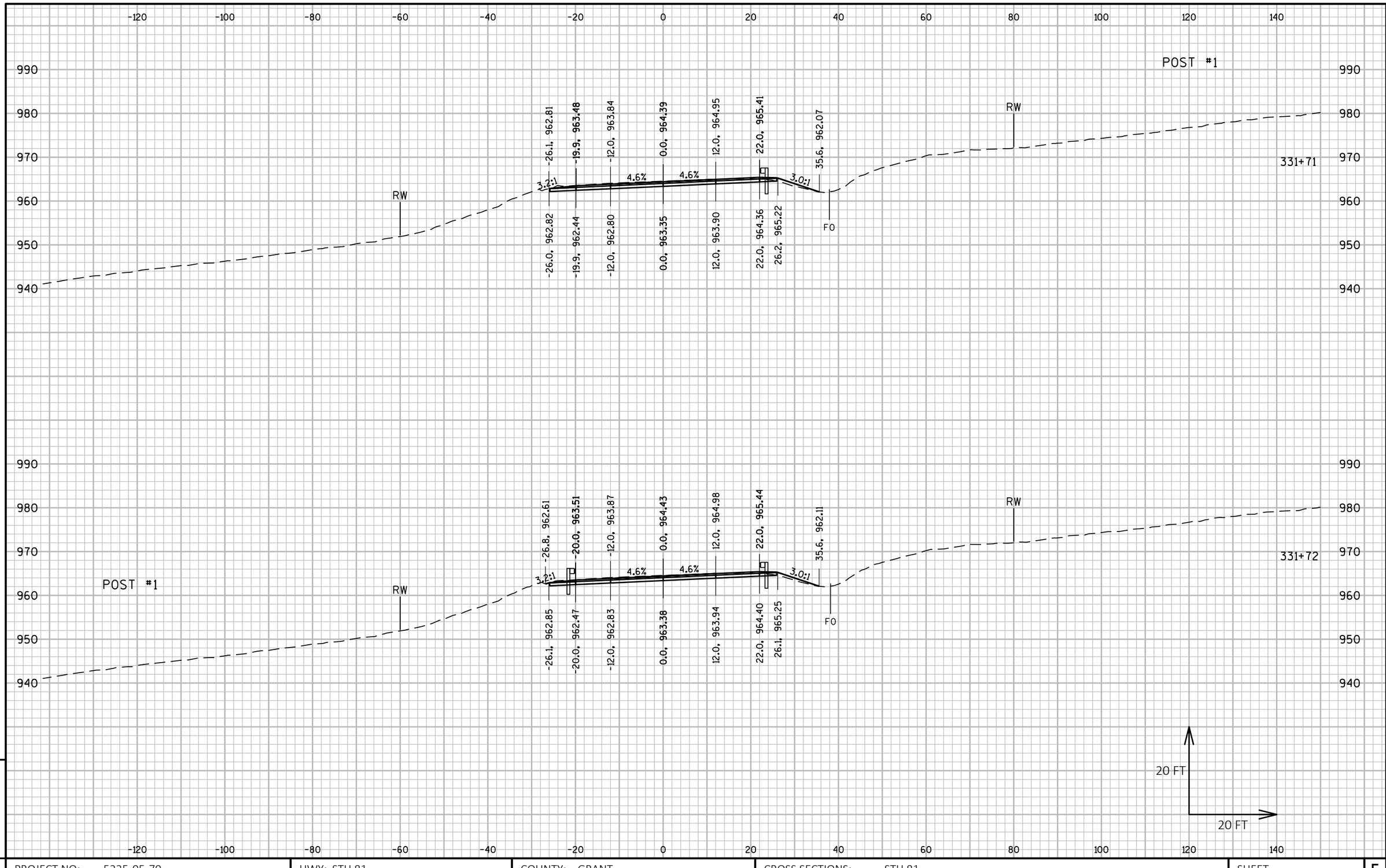
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 2

PLOT DATE : 10/30/2019 5:52 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



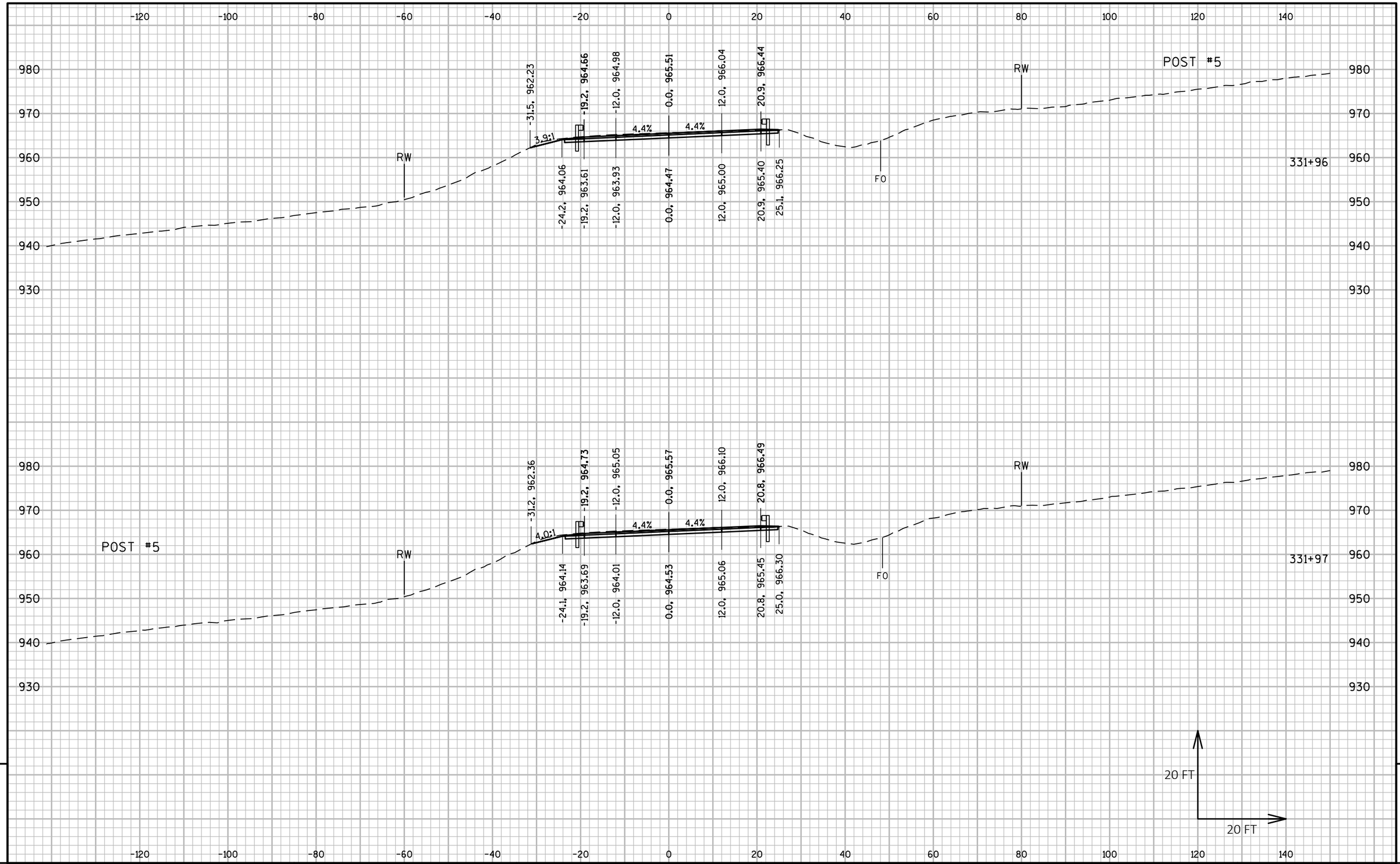
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



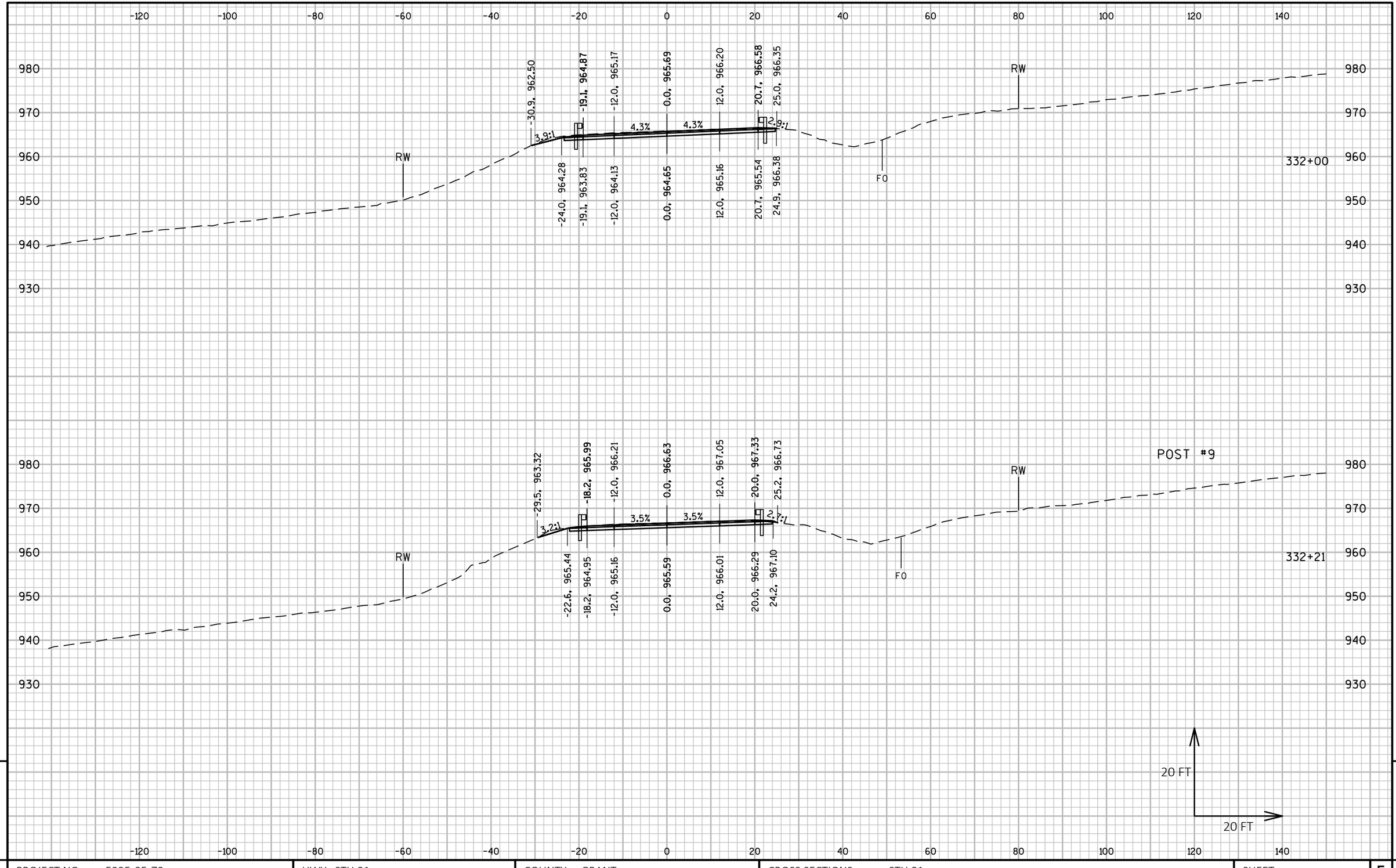
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 4

PLOT DATE : 10/30/2019 5:54 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

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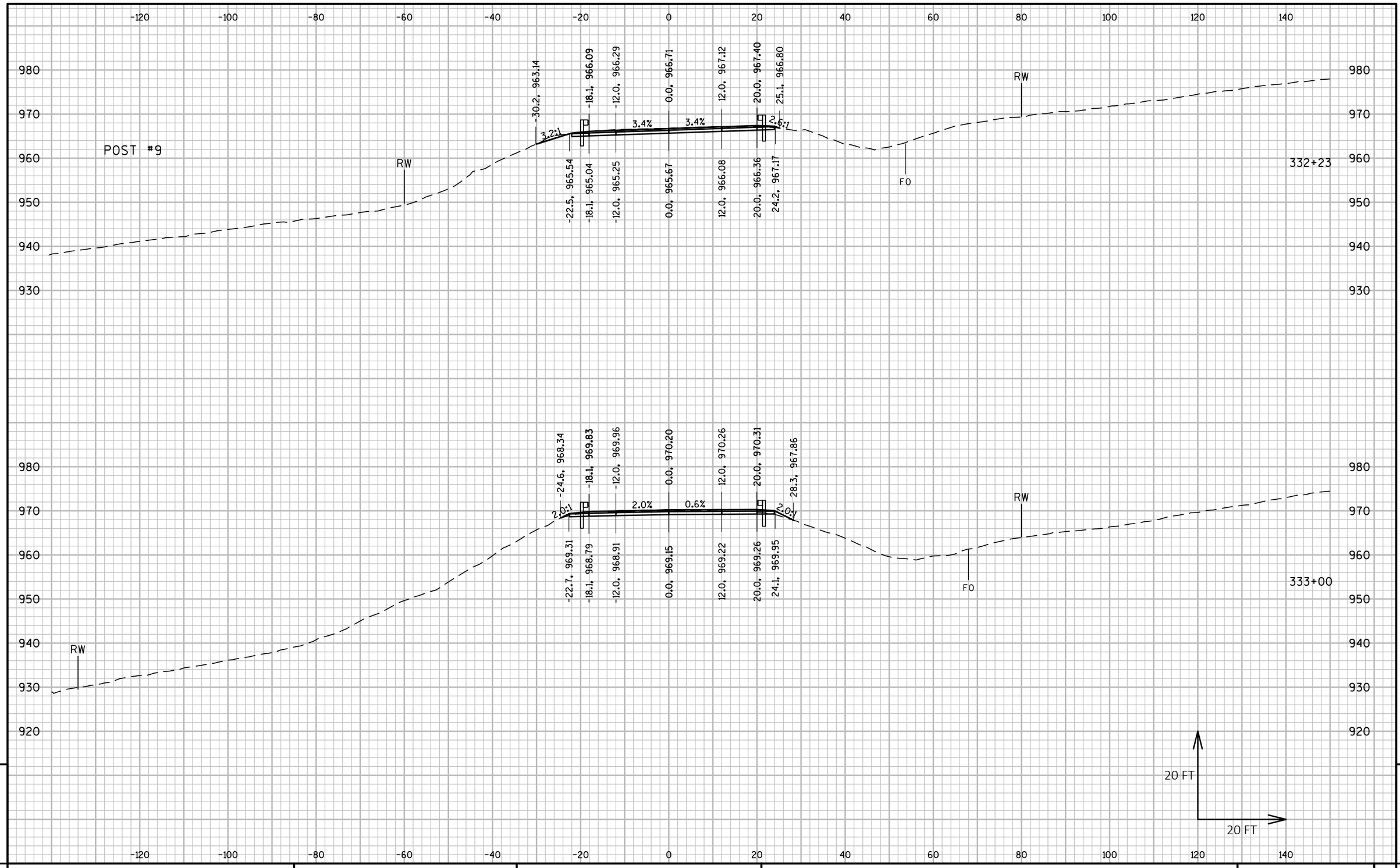
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 6
PLOT DATE : 10/30/2019 5:57 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

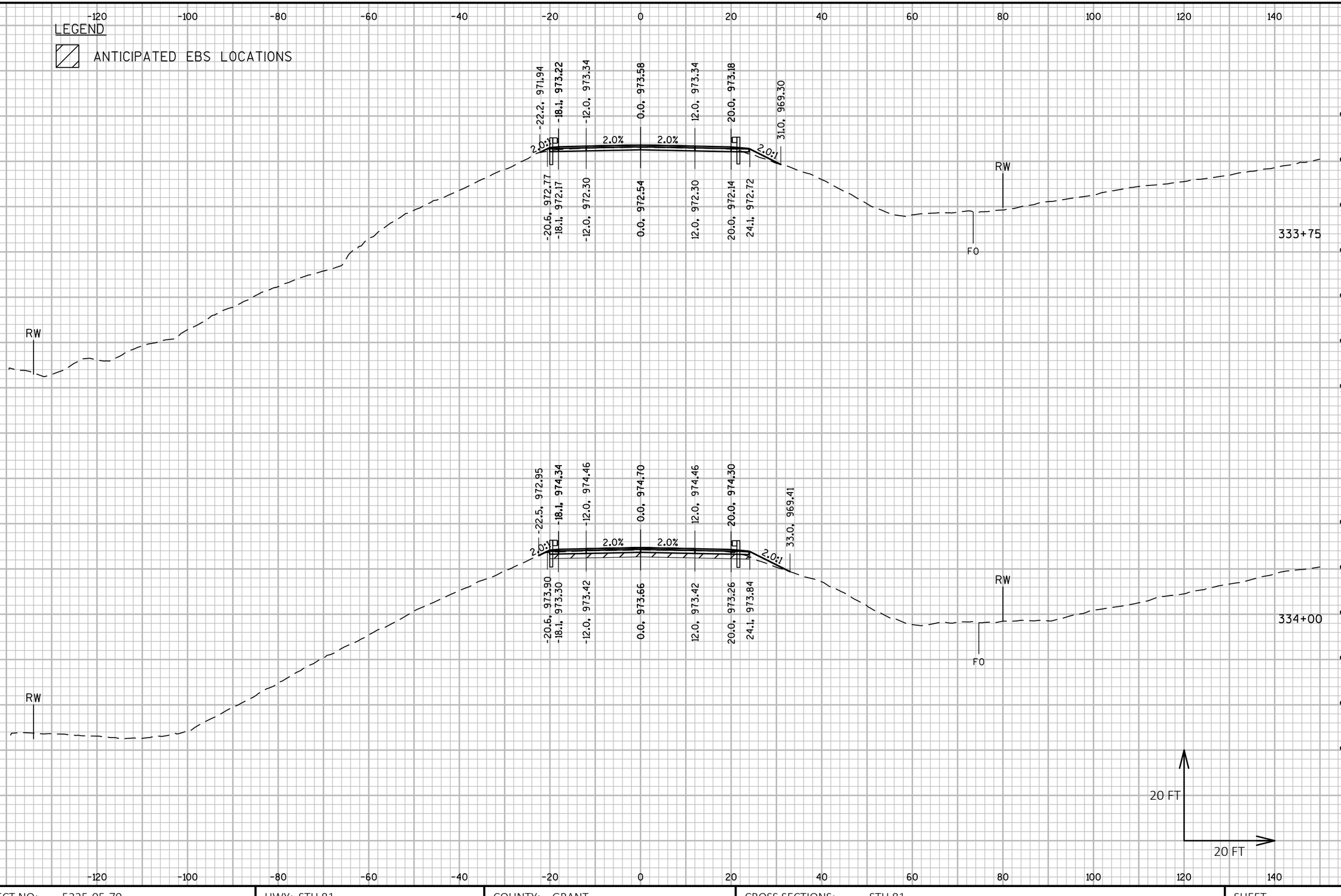
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 7

PLOT DATE : 10/30/2019 5:58 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

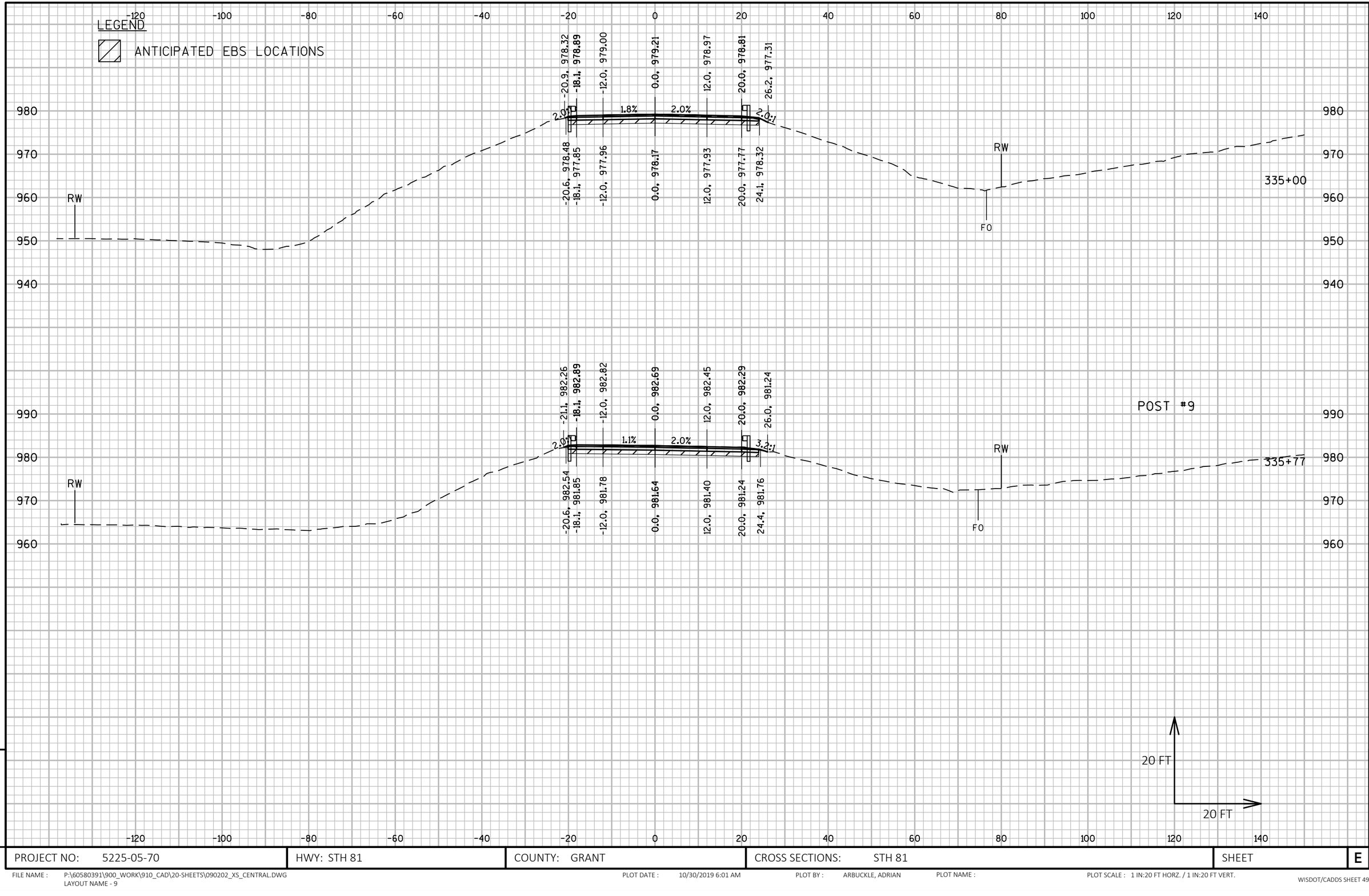
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

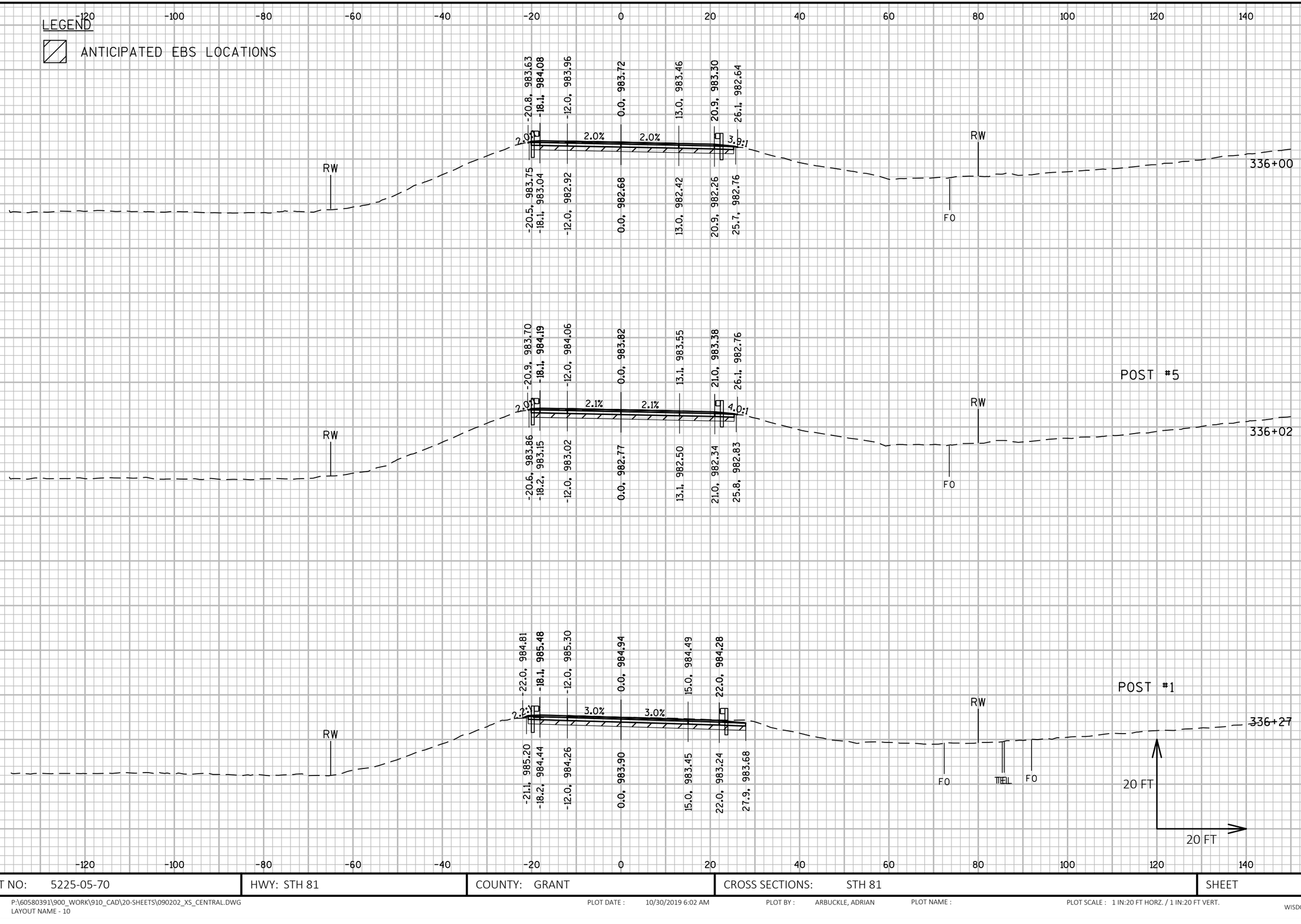
ANTICIPATED EBS LOCATIONS



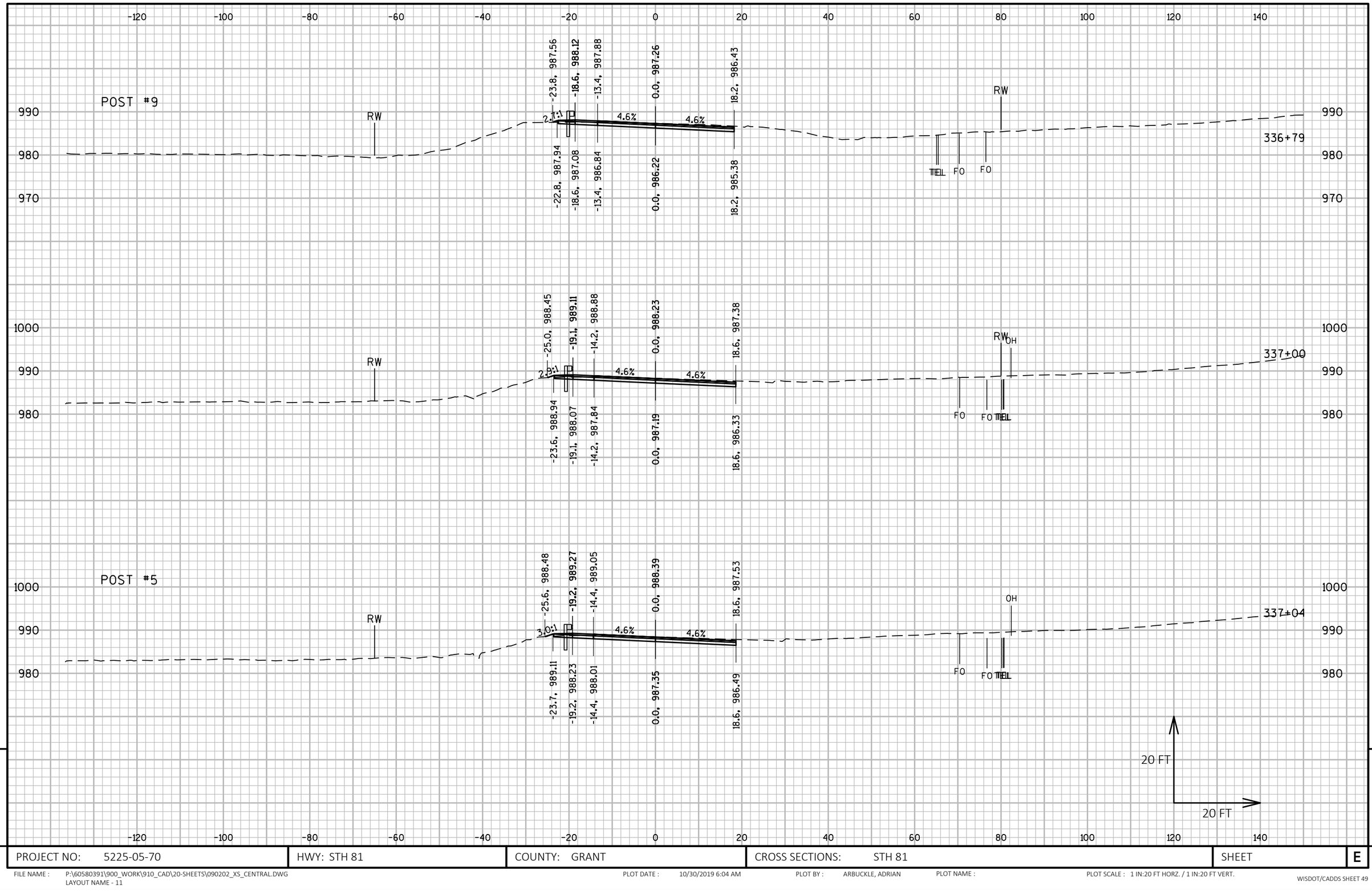
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



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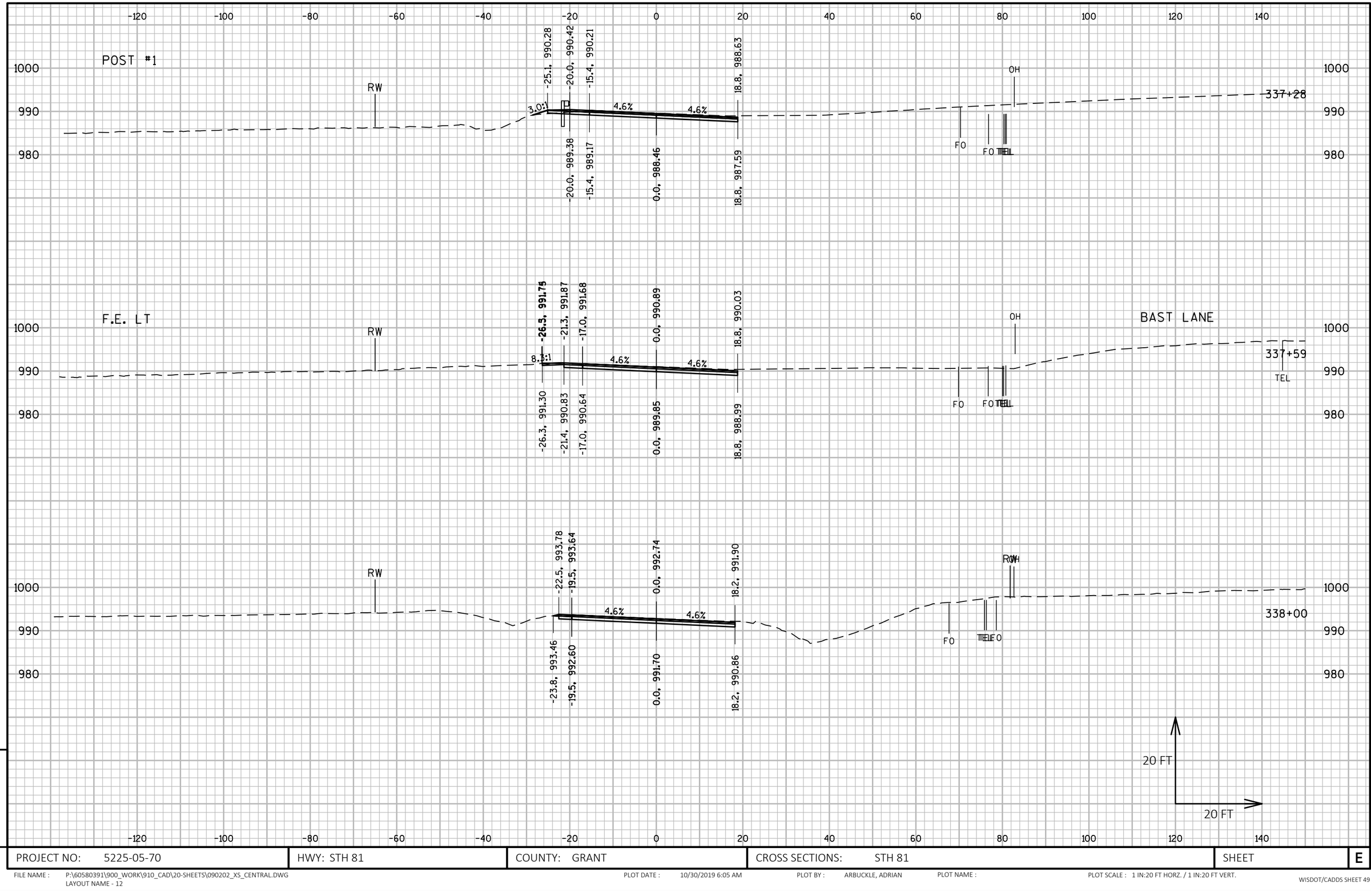
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 11

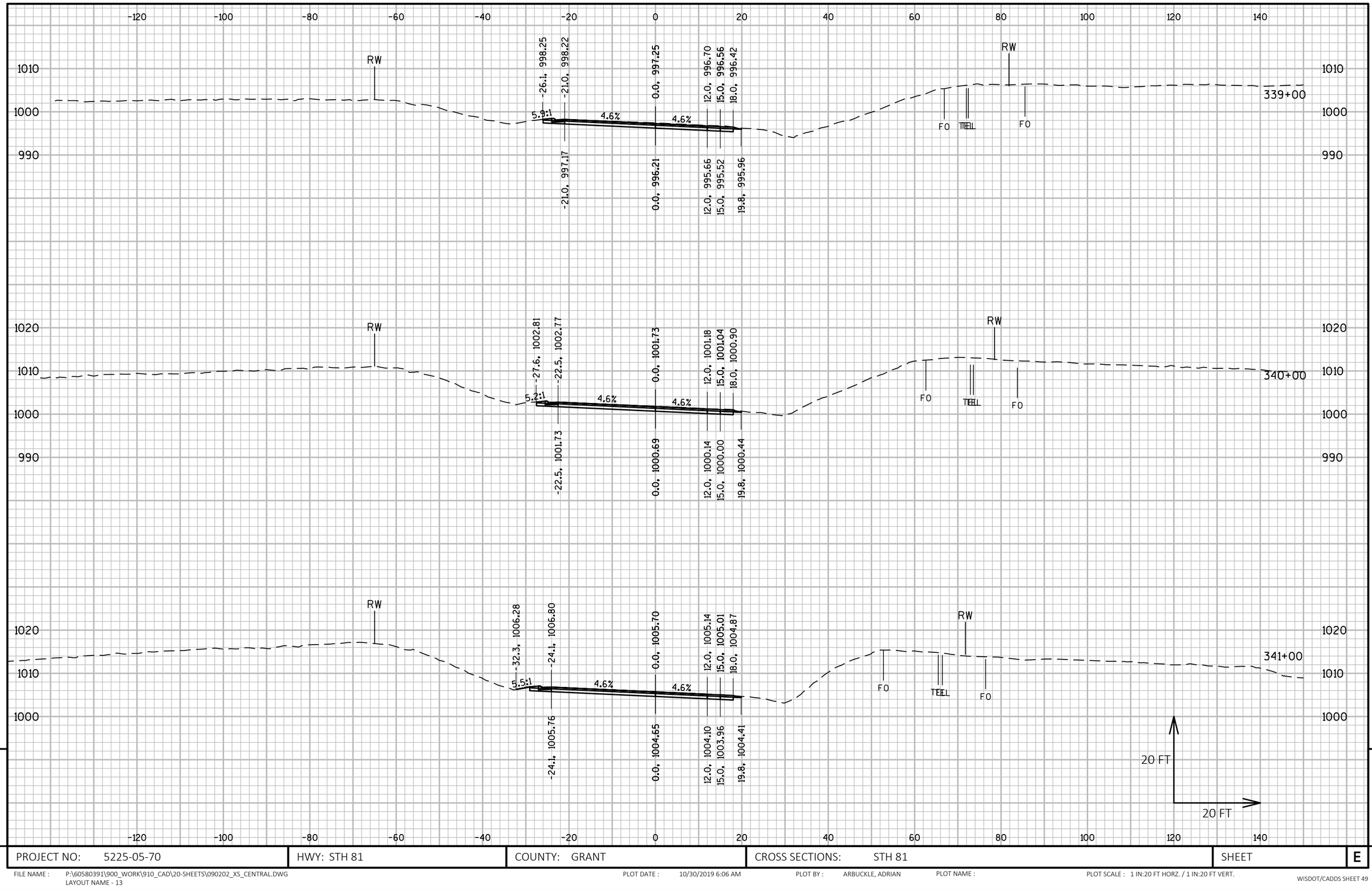
PLOT DATE : 10/30/2019 6:04 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 12

PLOT DATE : 10/30/2019 6:05 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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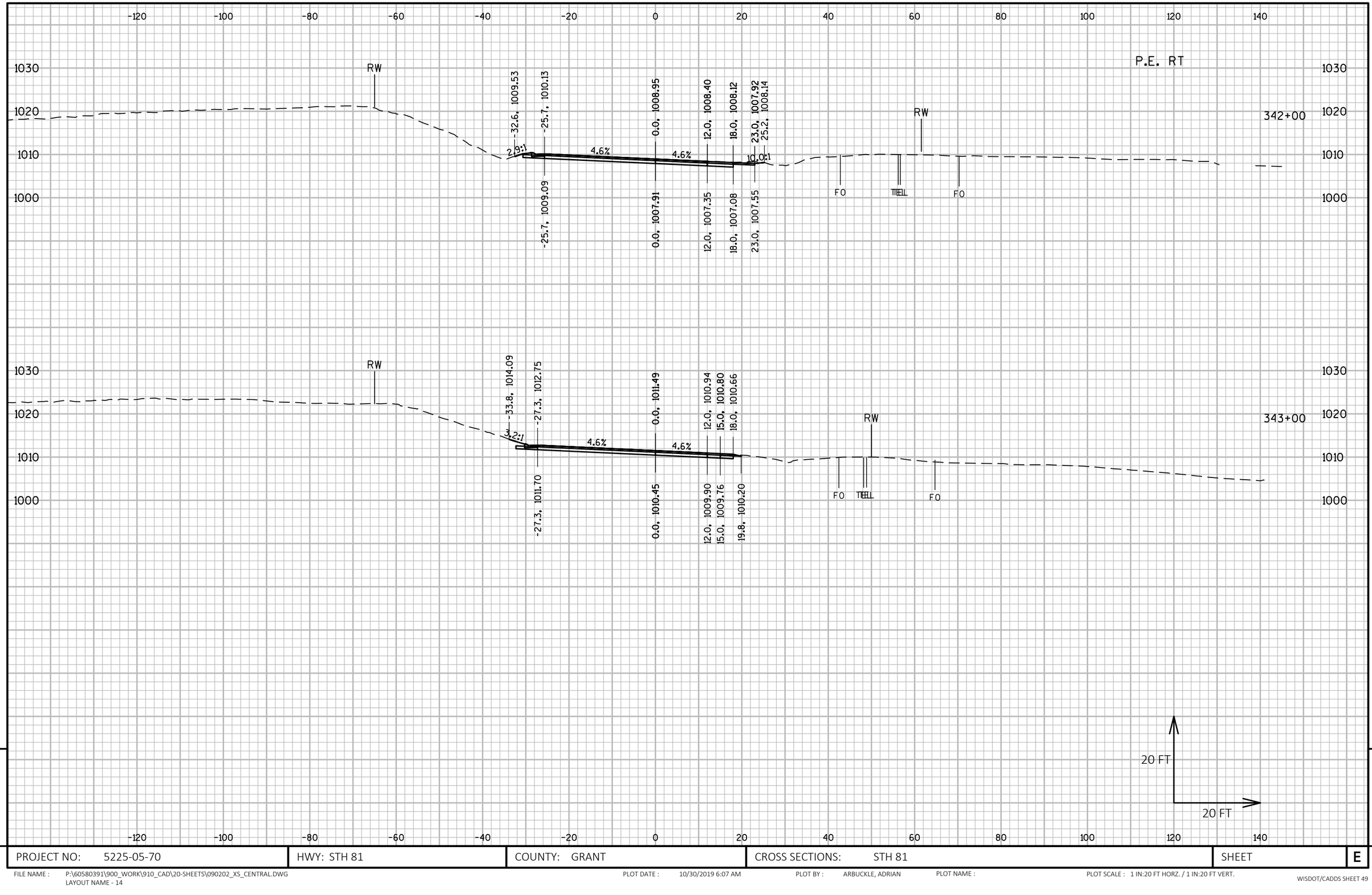
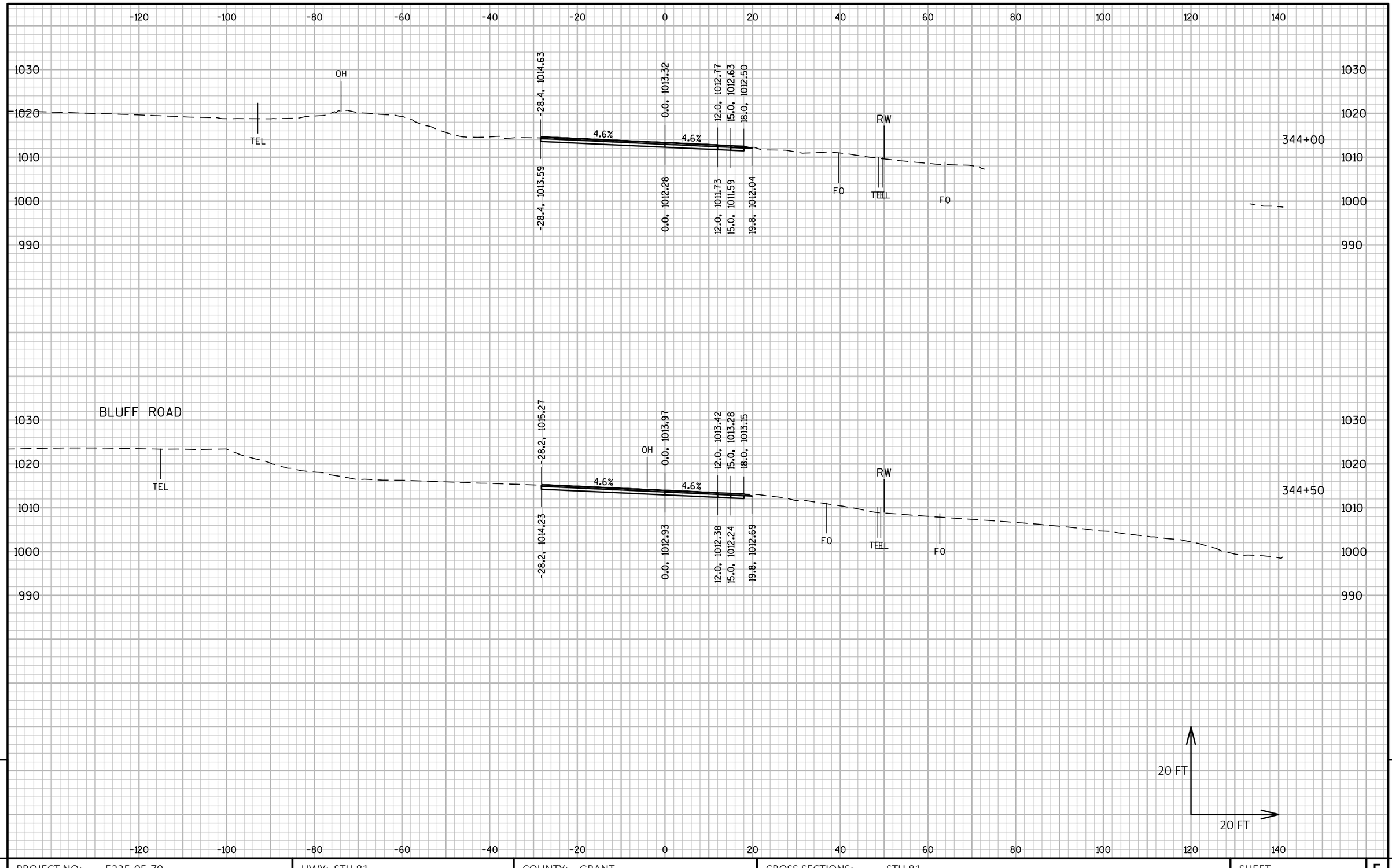
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 13

PLOT DATE : 10/30/2019 6:06 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E



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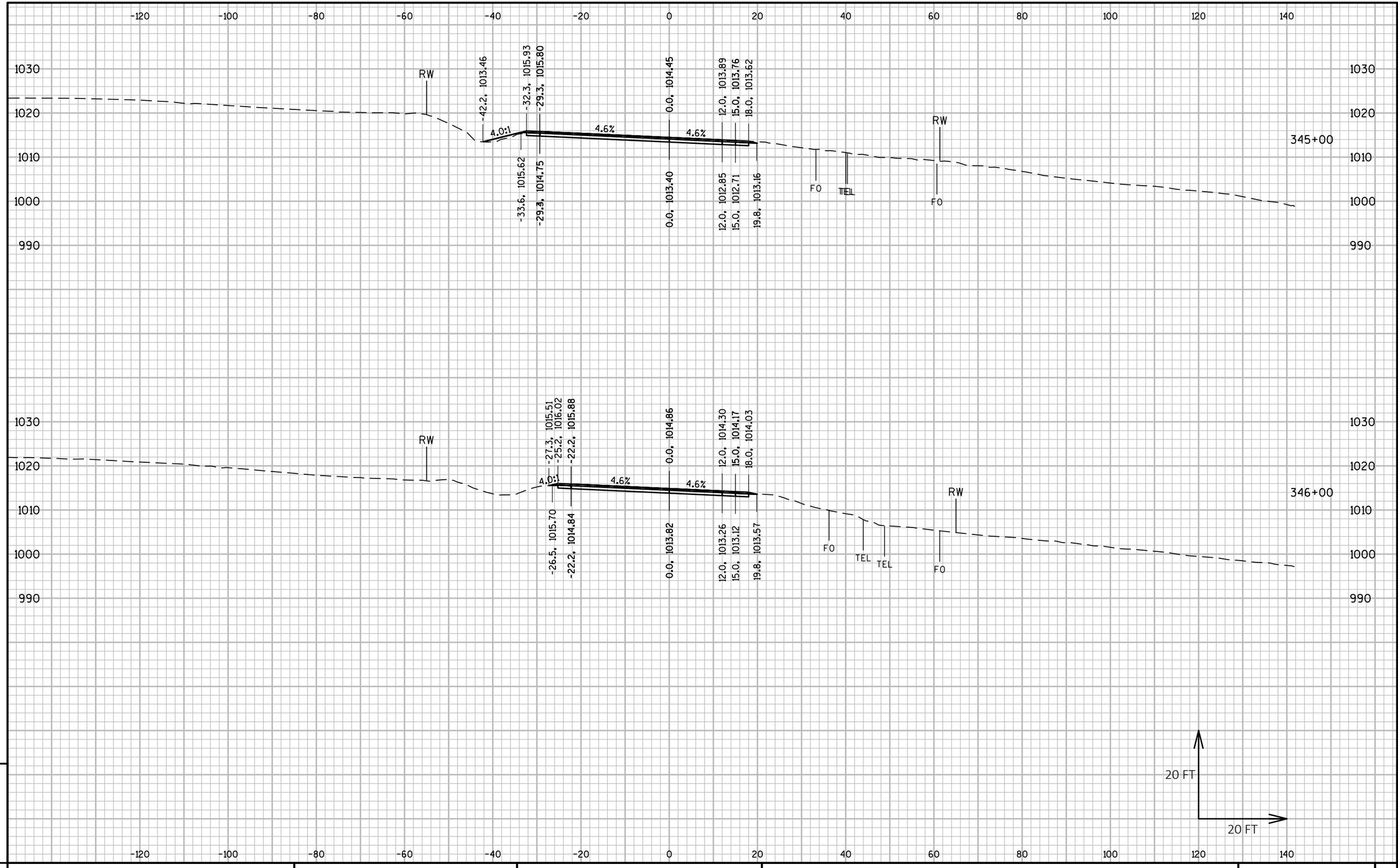
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 15

PLOT DATE : 10/30/2019 6:09 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

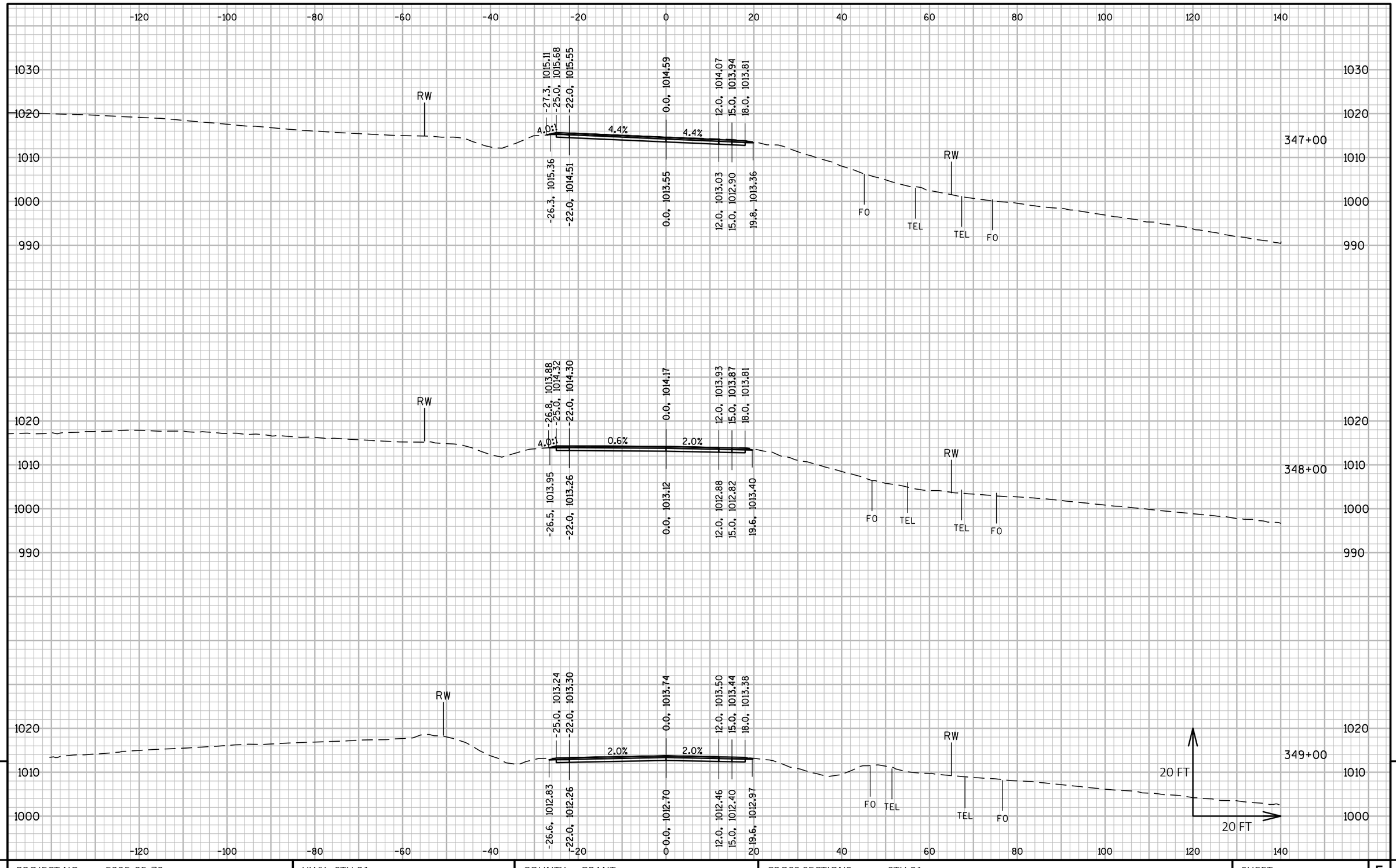
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 16

PLOT DATE : 10/30/2019 6:10 AM

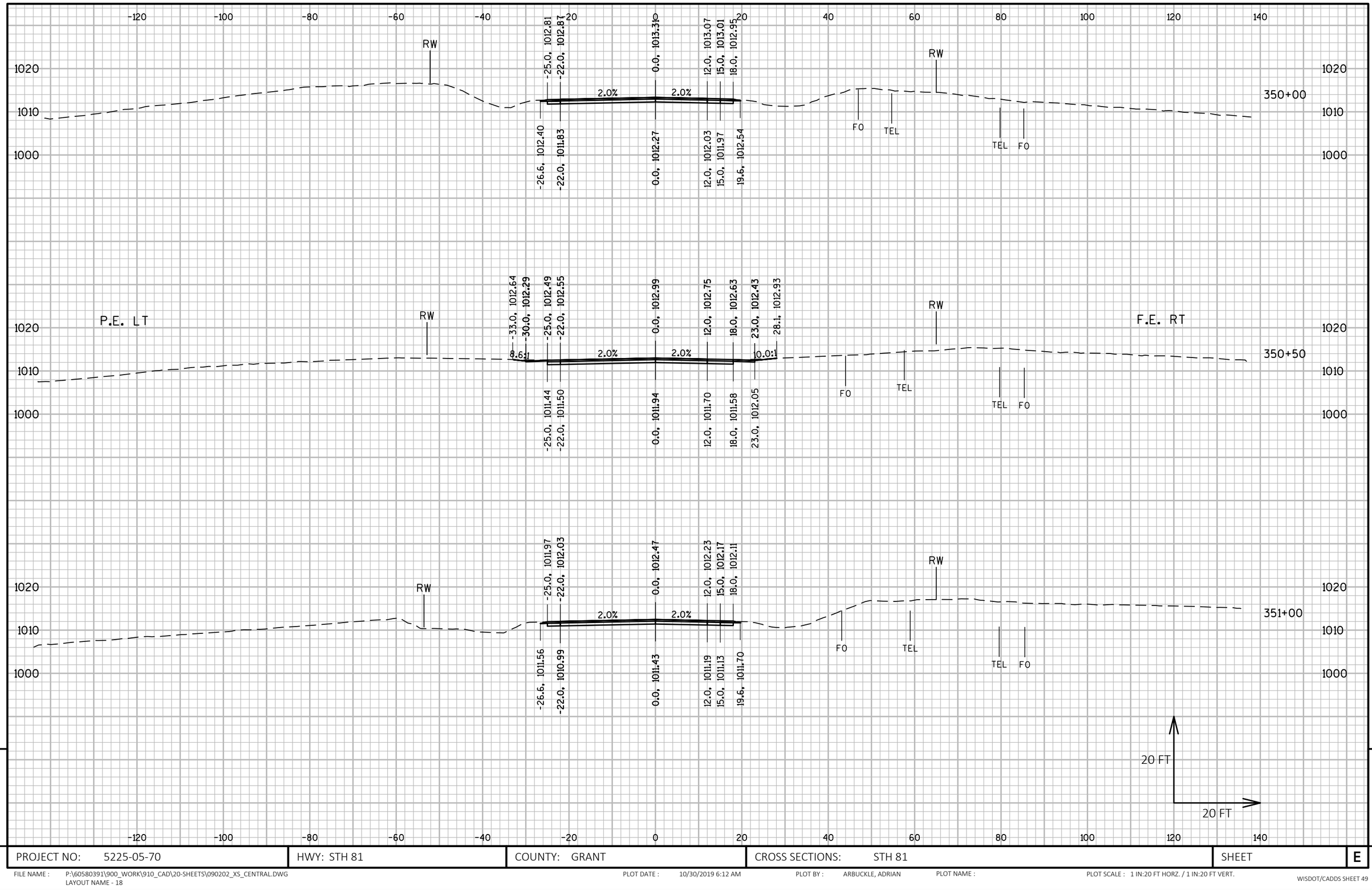
PLOT BY : ARBUCKLE, ADRIAN

PLOT NAME :

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



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E



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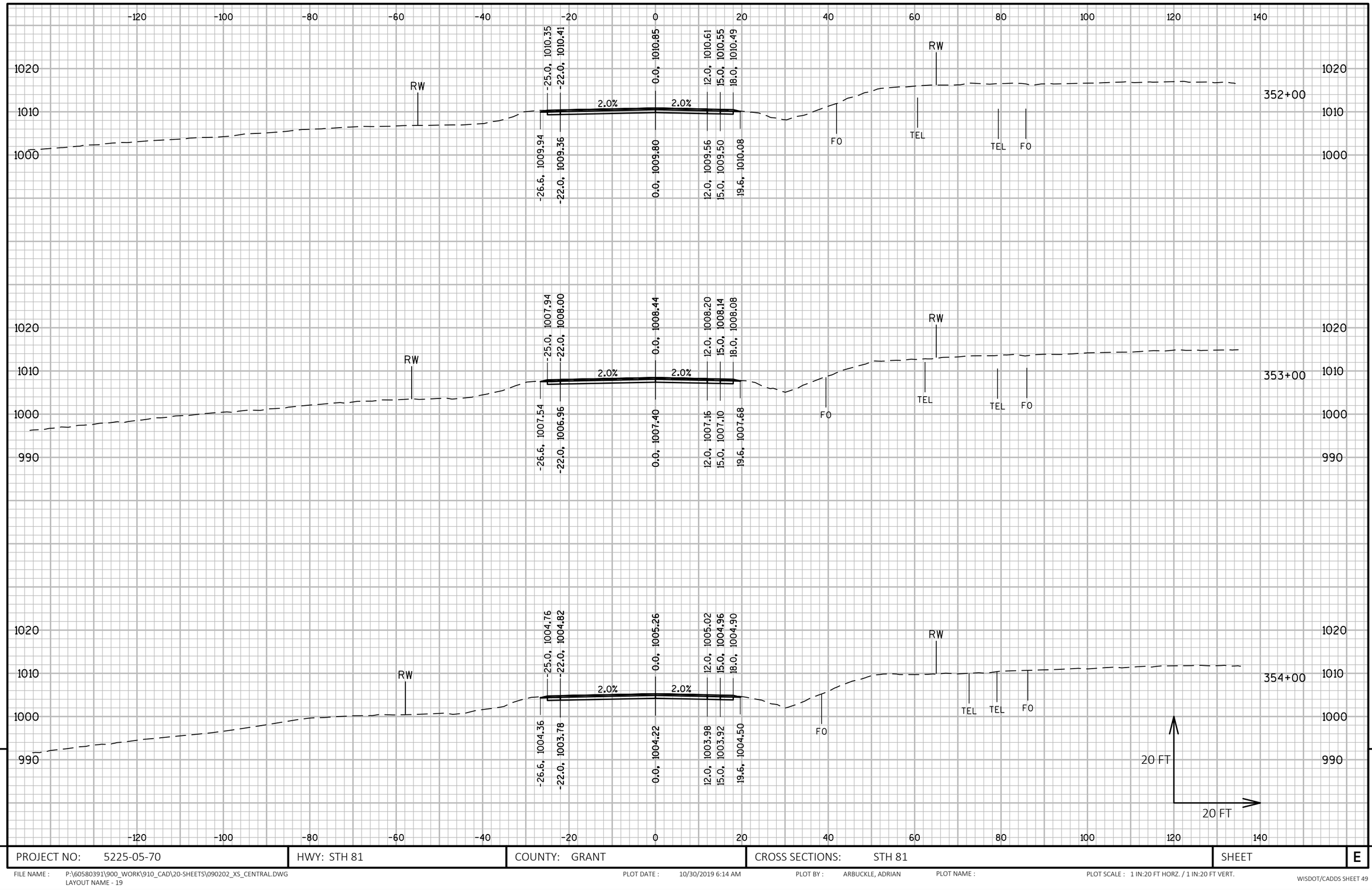
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 18
PLOT DATE : 10/30/2019 6:12 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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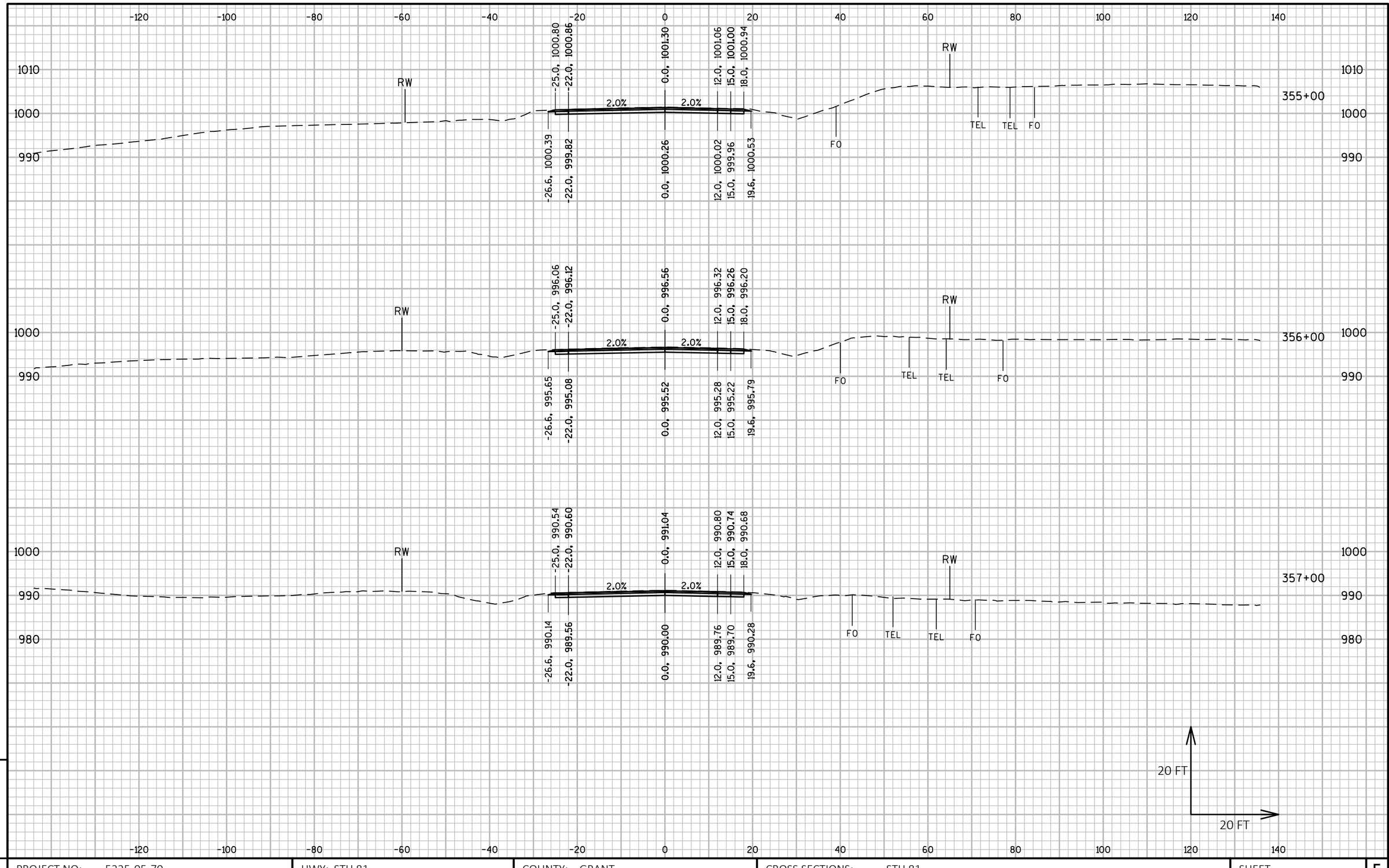
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 19

PLOT DATE : 10/30/2019 6:14 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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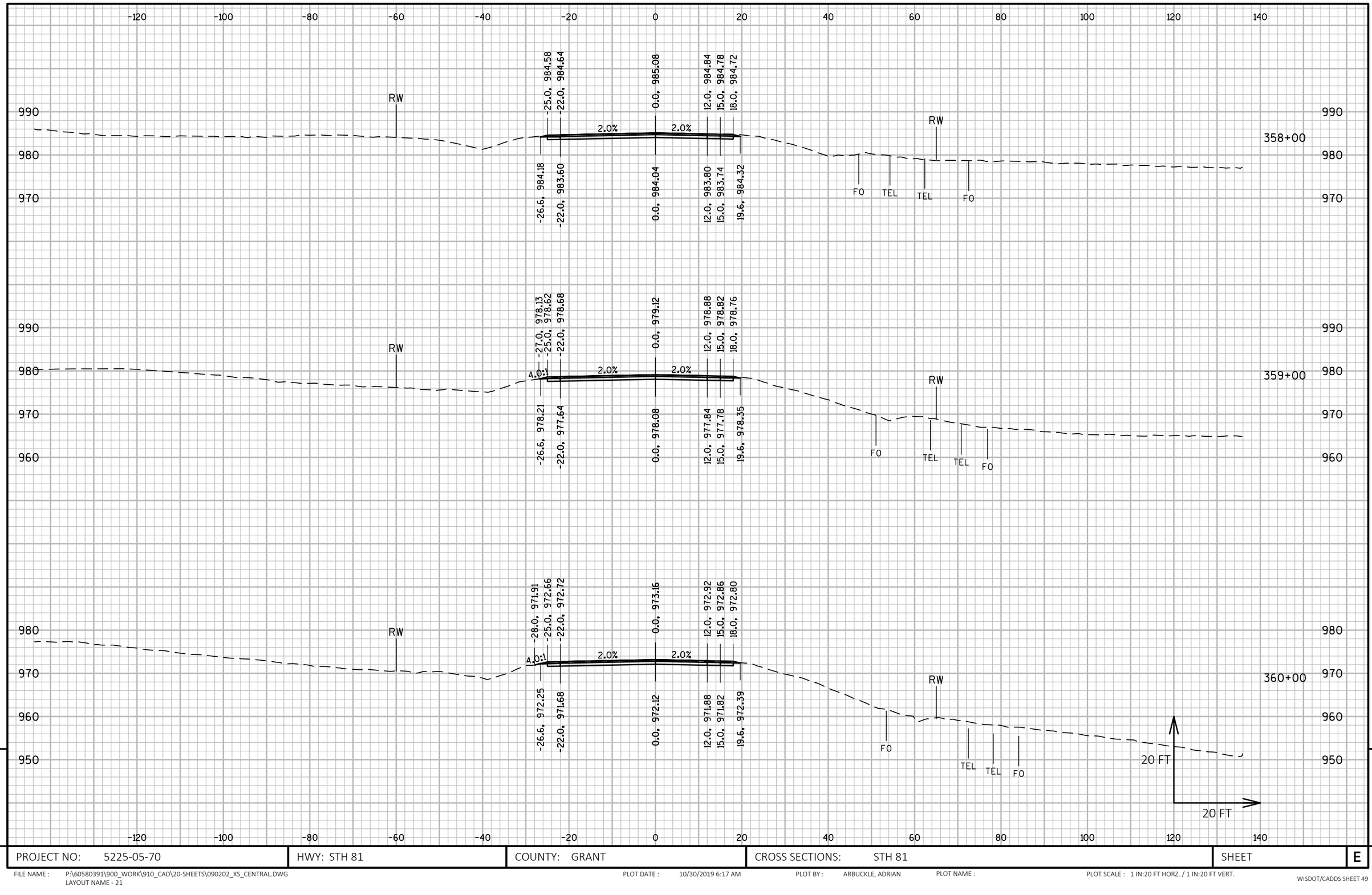
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 20

PLOT DATE : 10/30/2019 6:15 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



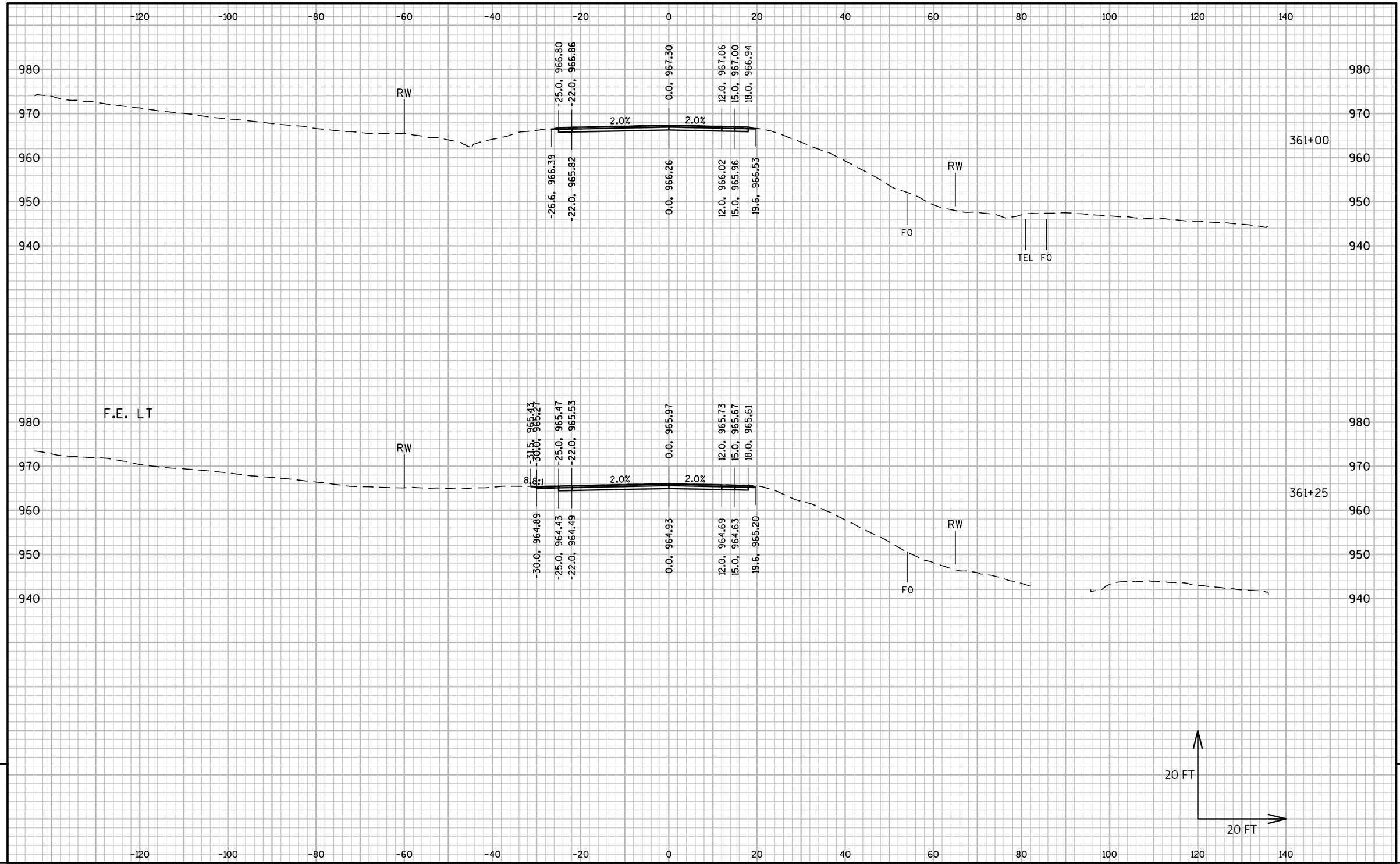
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 21

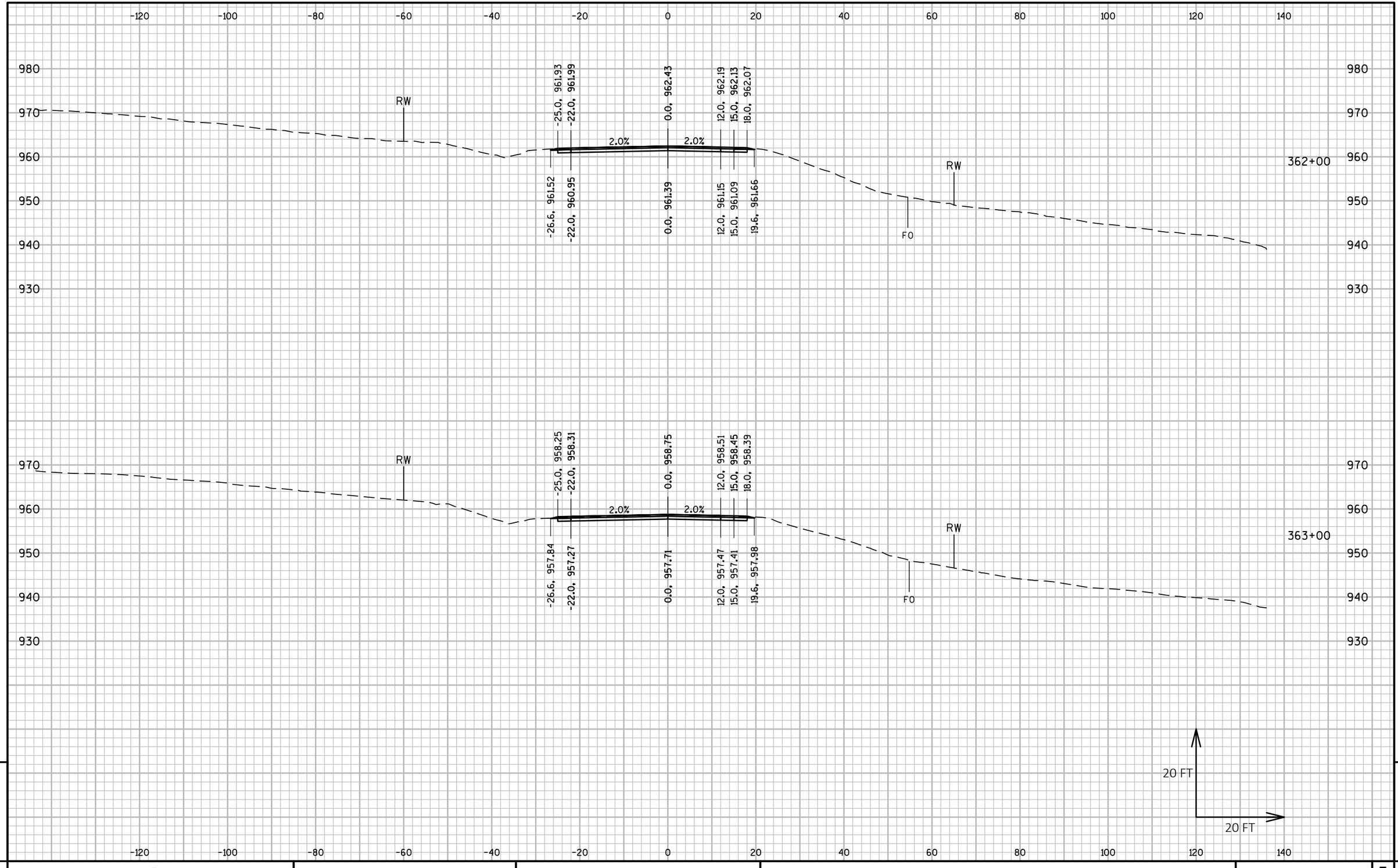
PLOT DATE : 10/30/2019 6:17 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 22

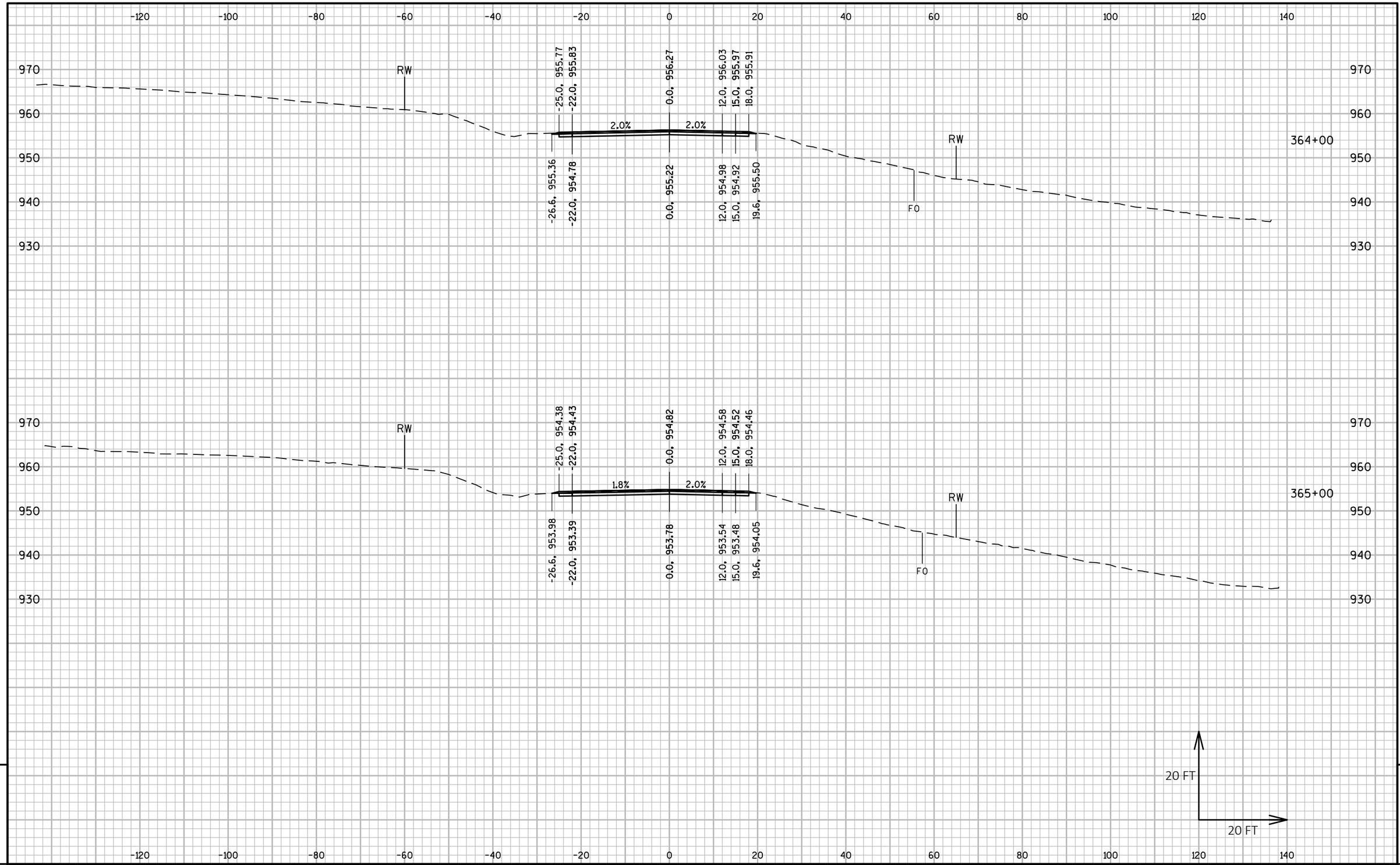
PLOT DATE : 10/30/2019 6:18 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 23
PLOT DATE : 10/30/2019 6:20 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

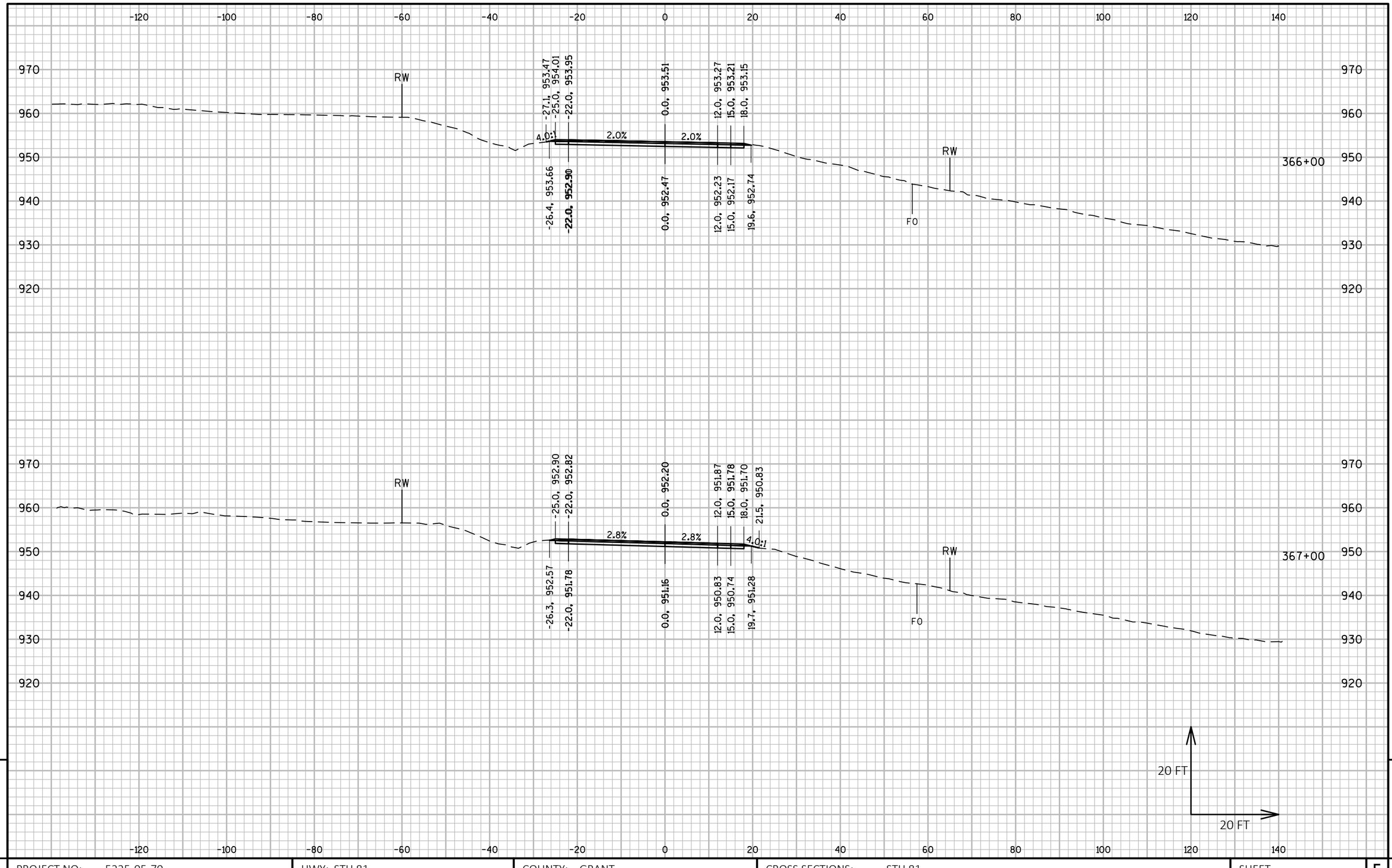


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 24

PLOT DATE : 10/30/2019 6:21 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

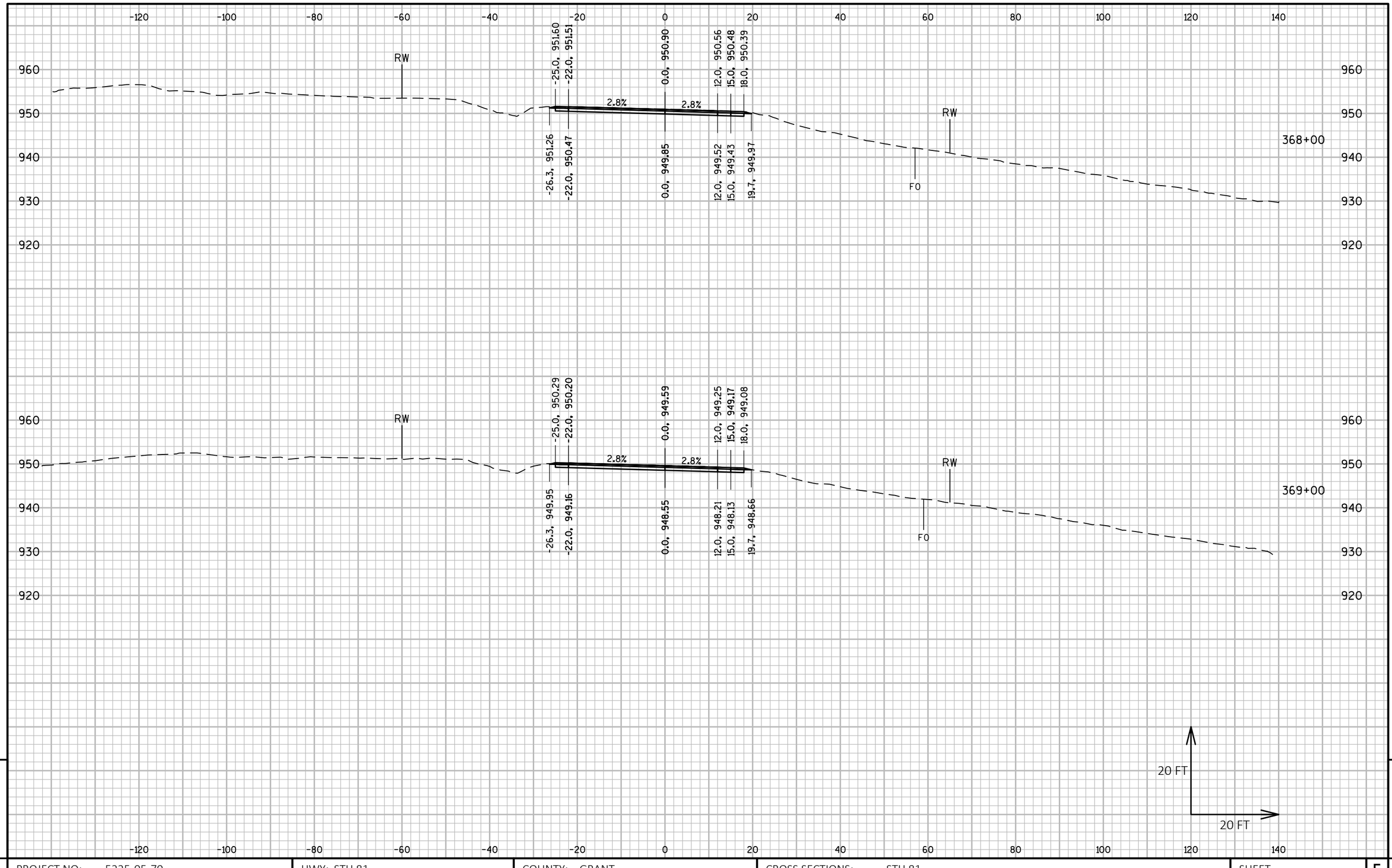


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 25

PLOT DATE : 10/30/2019 6:22 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

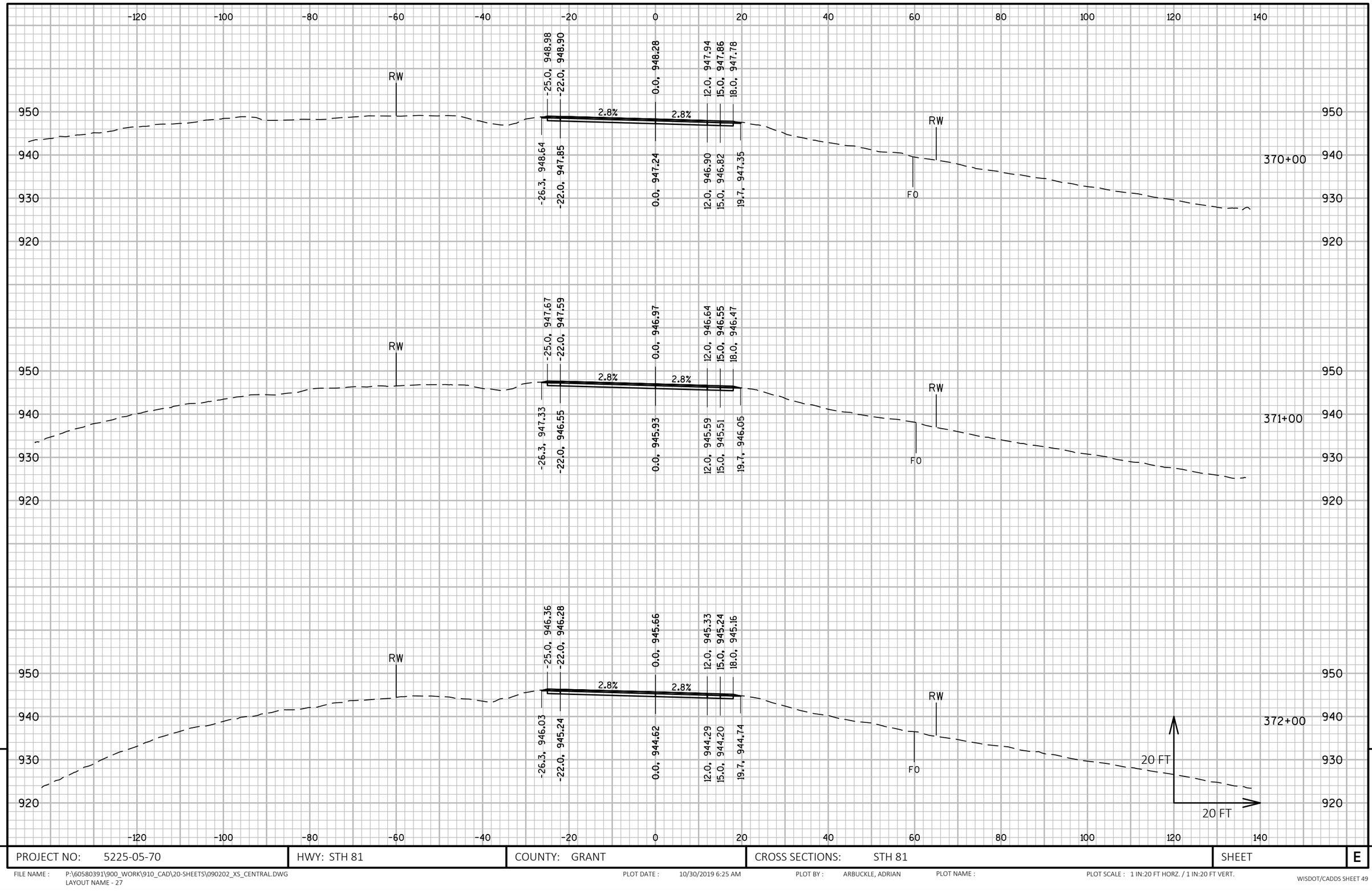


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 26

PLOT DATE : 10/30/2019 6:24 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9 9

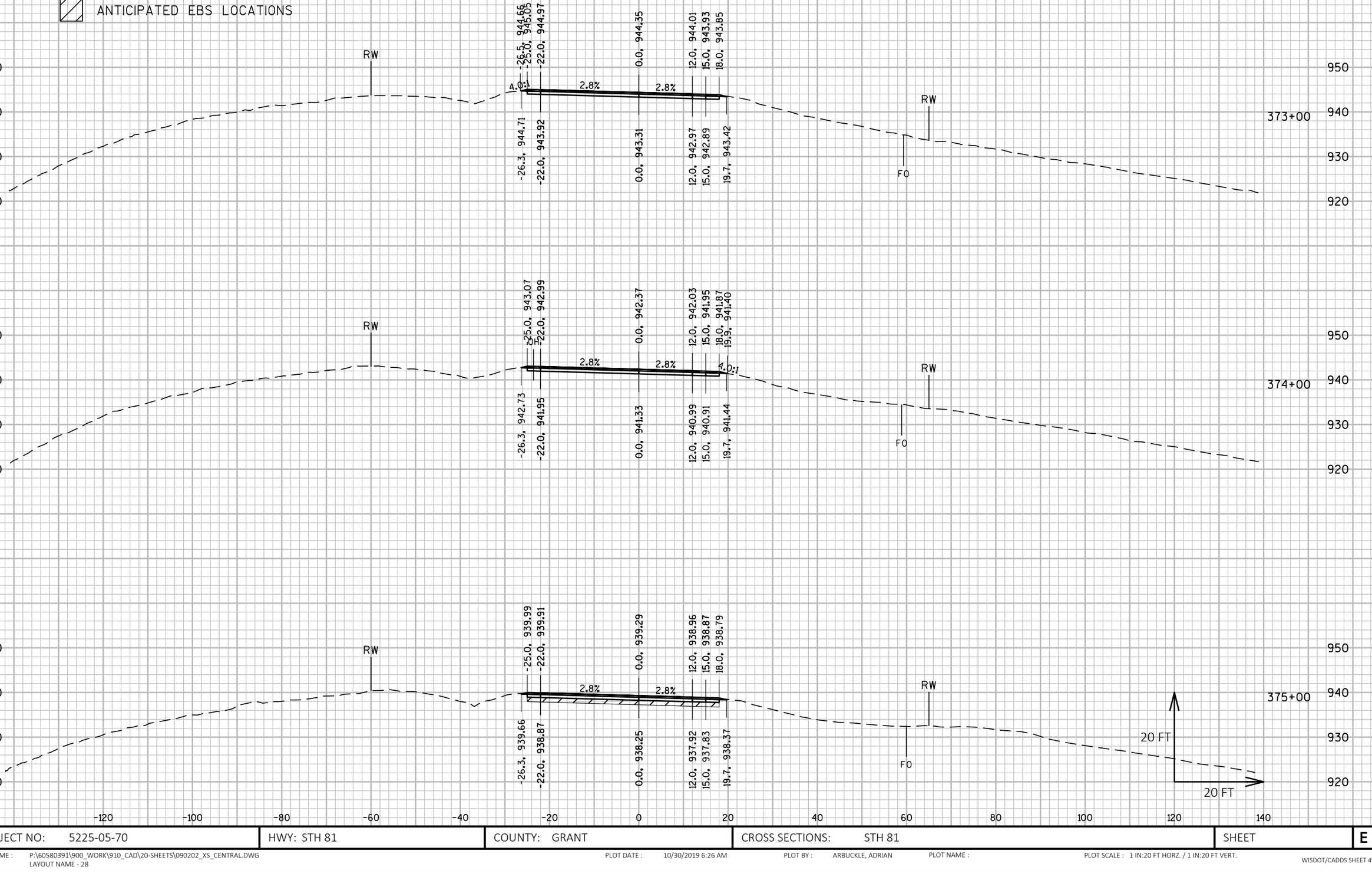
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 27

PLOT DATE : 10/30/2019 6:25 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

ANTICIPATED EBS LOCATIONS

F.E. LT

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

940 930 920

RW

-33.7, 939.25
-30.1, 938.86
-25.1, 939.06
-22.0, 938.97
0.0, 938.35
12.0, 938.02
15.0, 937.93
18.0, 937.85

9.1:1

2.8% 2.8%

-30.1, 938.48
-25.1, 938.01
-22.0, 937.93
0.0, 937.31
12.0, 936.98
15.0, 936.89
19.7, 937.43

FO

RW

940 930 920

375+25

940 930 920

RW

-25.0, 935.82
-22.0, 935.74
0.0, 935.12
12.0, 934.78
15.0, 934.70
18.0, 934.62

2.8% 2.8%

-26.3, 935.48
-22.0, 934.69
0.0, 934.08
12.0, 933.74
15.0, 933.66
19.7, 934.19

FO

RW

940 930 920 910

376+00

940 930 920 910

RW

-25.0, 931.97
-22.0, 931.89
0.0, 931.27
12.0, 930.93
18.0, 930.77
23.0, 930.57
29.6, 929.74

2.8% 2.8% 8.0:1

-26.3, 931.63
-22.0, 930.84
0.0, 930.23
12.0, 929.89
18.0, 929.72
23.0, 930.19

FO

RW

940 930 920 910

376+75

940 930 920 910

P.E. RT

20 FT

20 FT

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

9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

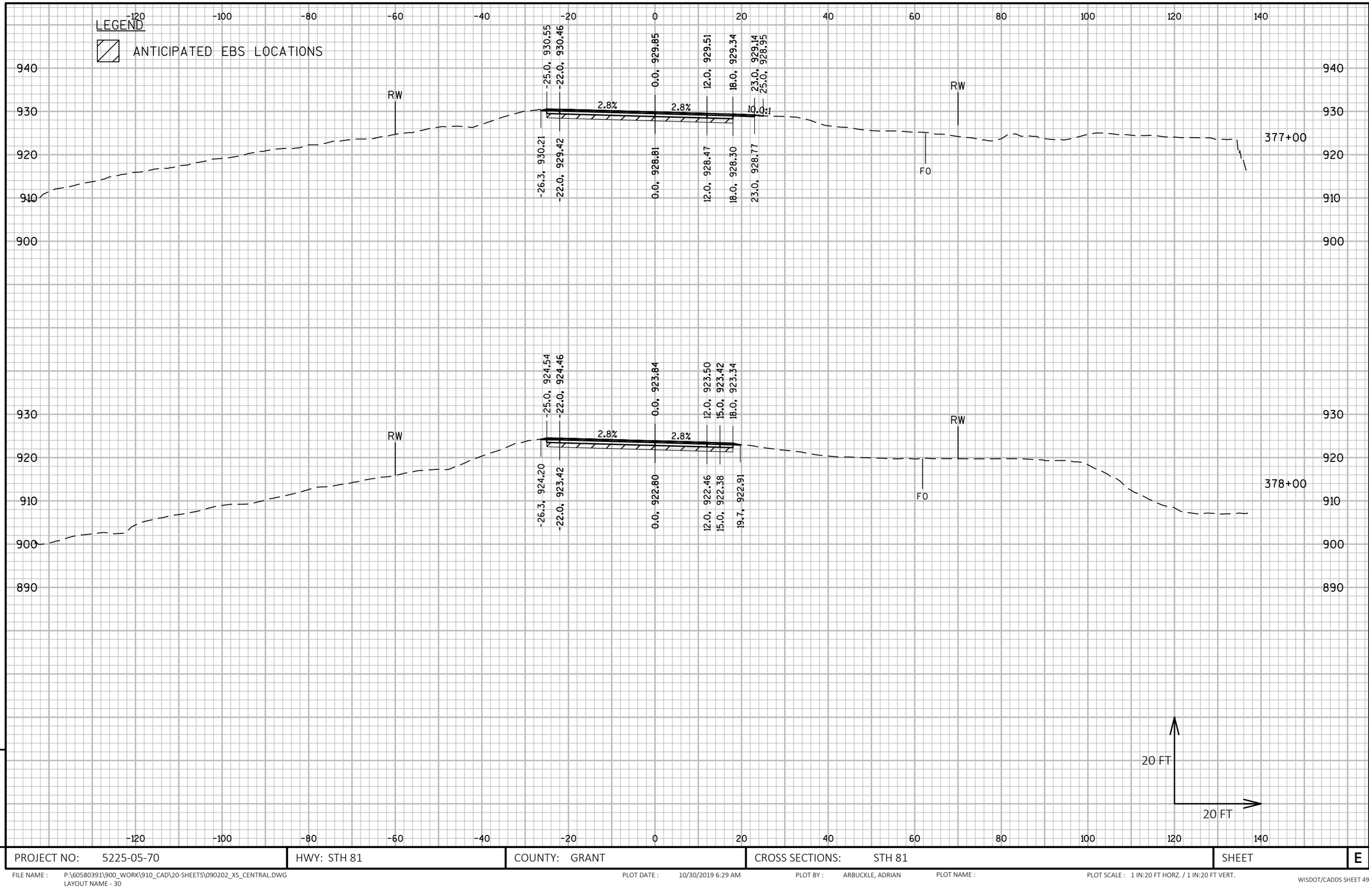
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 29

PLOT DATE : 10/30/2019 6:28 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

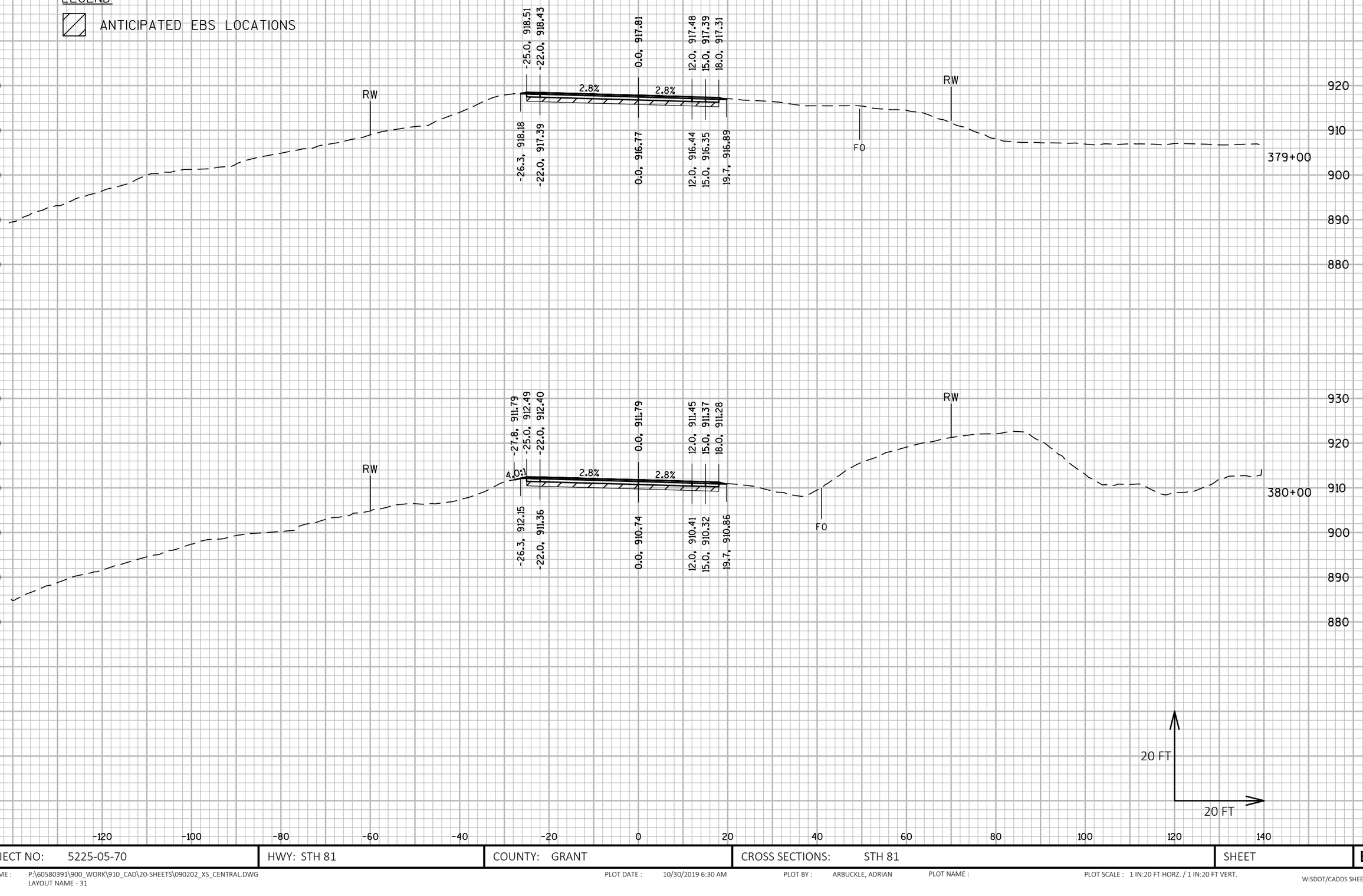
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

ANTICIPATED EBS LOCATIONS



9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

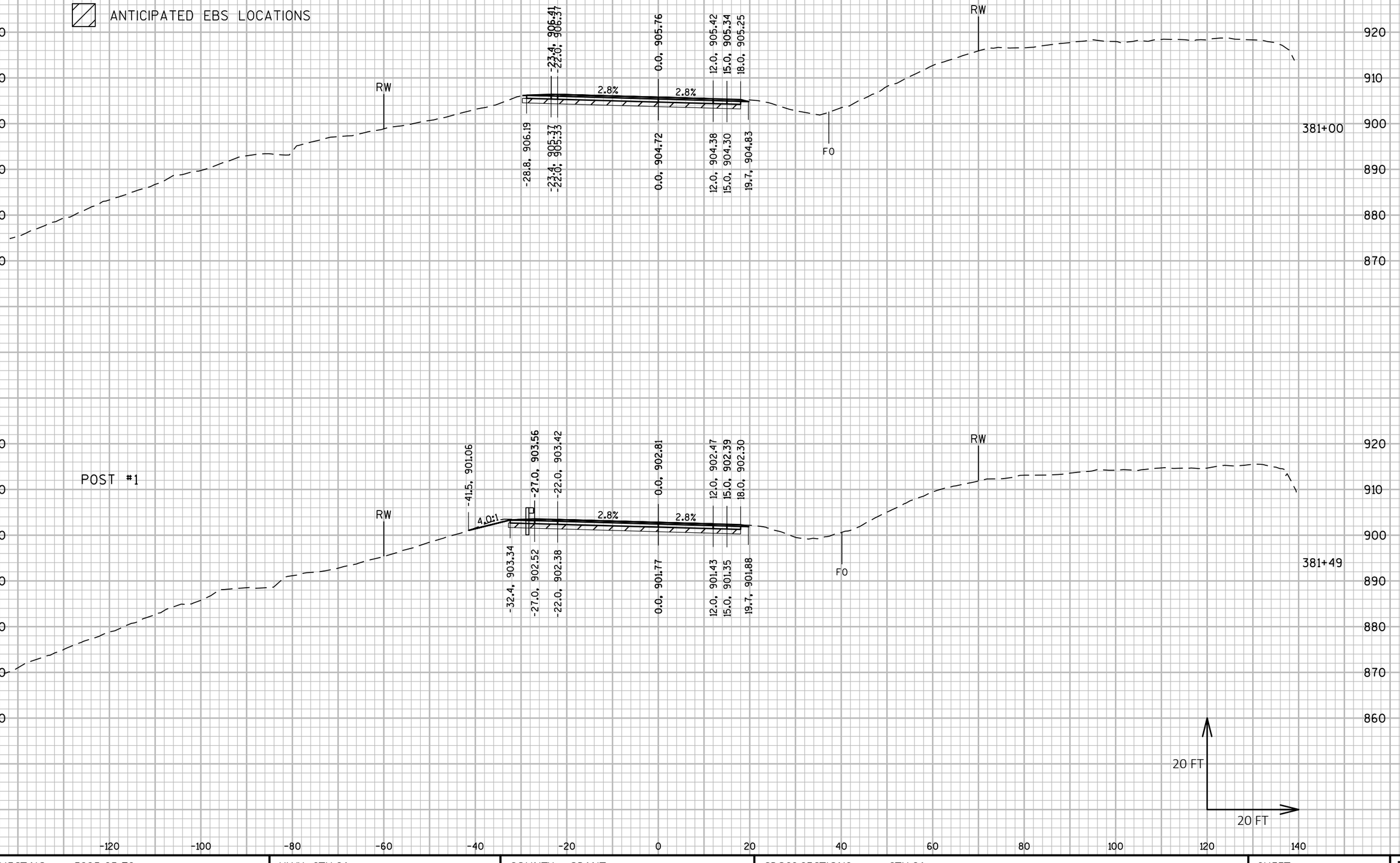
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 31

PLOT DATE : 10/30/2019 6:30 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS

POST #1



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 32

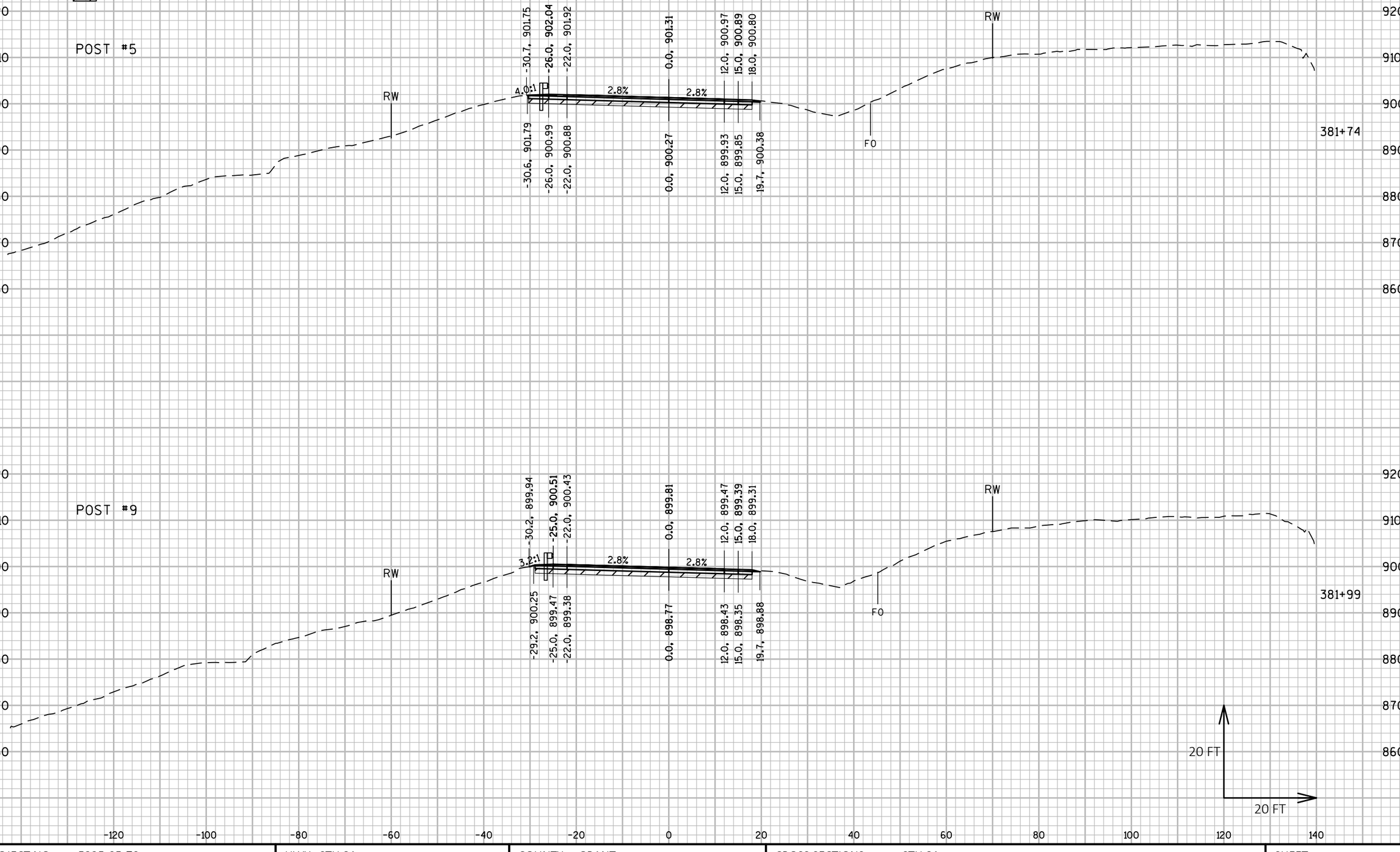
PLOT DATE : 10/30/2019 6:32 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS

POST #5



POST #9

9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 33

PLOT DATE : 10/30/2019 6:33 AM

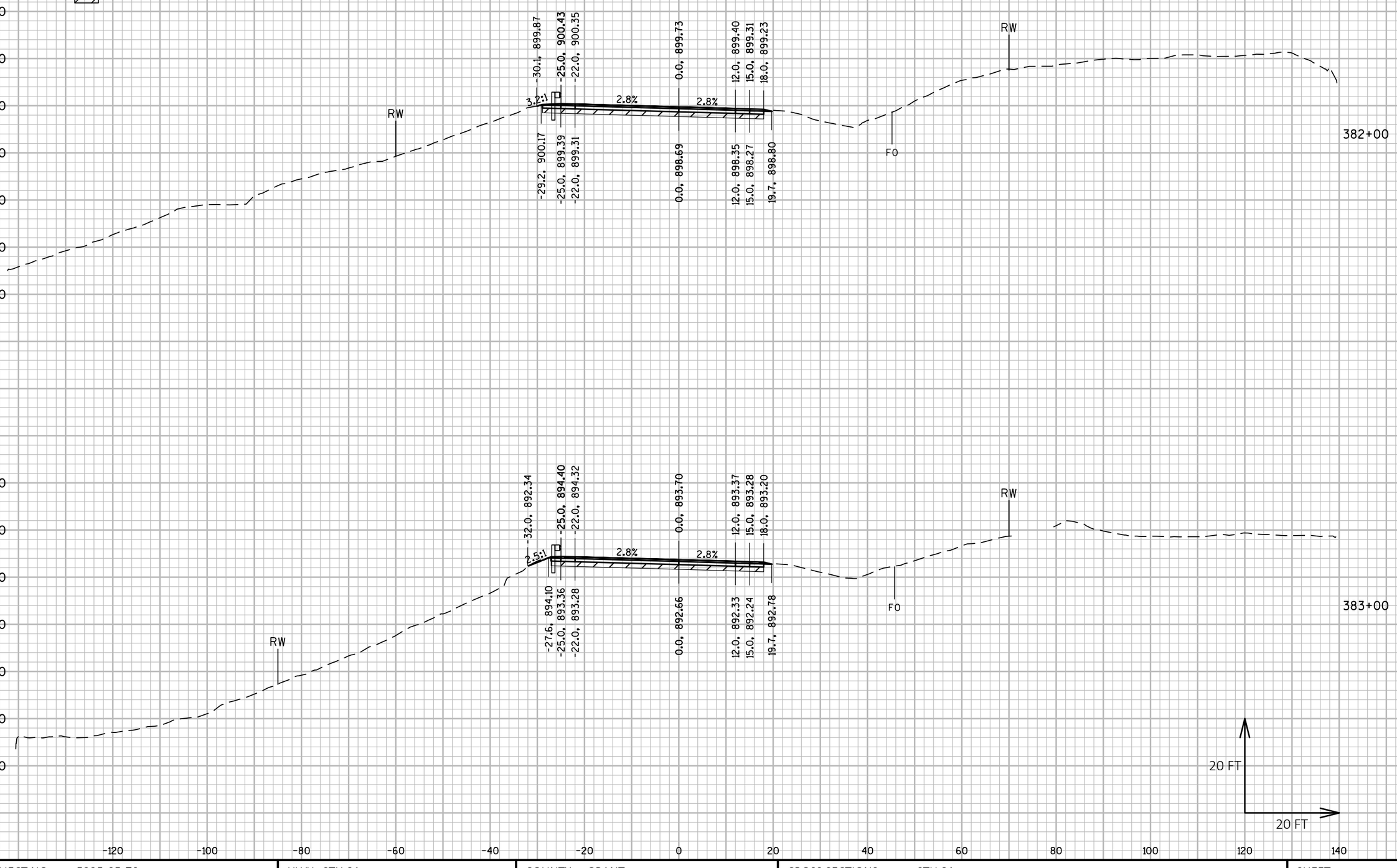
PLOT BY : ARBUCKLE, ADRIAN

PLOT NAME :

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

LEGEND

ANTICIPATED EBS LOCATIONS



9

9

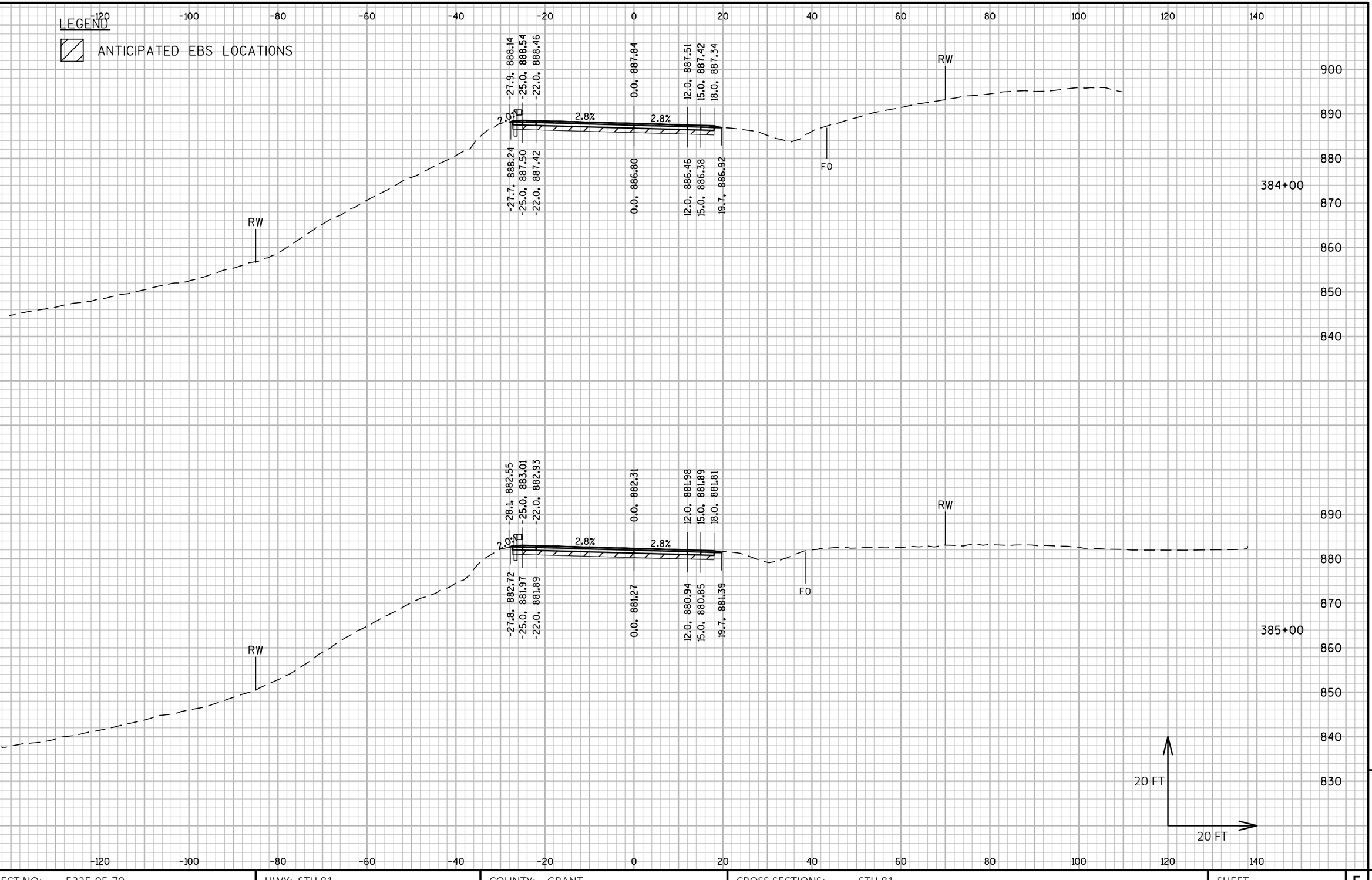
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 34

PLOT DATE : 10/30/2019 6:34 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS



9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 35

PLOT DATE : 10/30/2019 6:35 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS

386+00

-28.7, 877.06
-25.0, 877.82
-22.0, 877.73
0.0, 877.12
12.0, 876.78
15.0, 876.70
18.0, 876.61
20.0, 876.11
2.0%
2.8%
2.8%
4.0:1
RW
FO
-27.8, 877.52
-25.0, 876.78
-22.0, 876.69
0.0, 876.08
12.0, 875.74
15.0, 875.66
19.7, 876.19

387+00

-27.8, 872.65
-25.0, 872.96
-22.0, 872.87
0.0, 872.26
12.0, 871.92
15.0, 871.84
18.0, 871.75
2.0%
2.8%
2.8%
RW
FO
-27.8, 872.66
-25.0, 871.92
-22.0, 871.83
0.0, 871.22
12.0, 870.88
15.0, 870.80
19.7, 871.33

20 FT
20 FT

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 36

PLOT DATE : 10/30/2019 6:37 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS

P.E. RT

388+00

389+00

RW

FO

-27.7, 868.13
-25.0, 867.39
-22.0, 867.30
0.0, 866.69
12.0, 866.35
18.0, 866.18
23.0, 866.65

-28.7, 867.65
-25.0, 868.43
-22.0, 868.35
0.0, 867.73
12.0, 867.39
18.0, 867.23
23.0, 867.03

-27.7, 863.90
-25.0, 864.24
-22.0, 864.15
0.0, 863.54
12.0, 863.20
15.0, 863.12
18.0, 863.03

-27.6, 863.93
-25.0, 863.19
-22.0, 863.11
0.0, 862.49
12.0, 862.16
15.0, 862.07
19.7, 862.61

2.8%
2.8%
2.0%
10.0:1

20 FT
20 FT

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

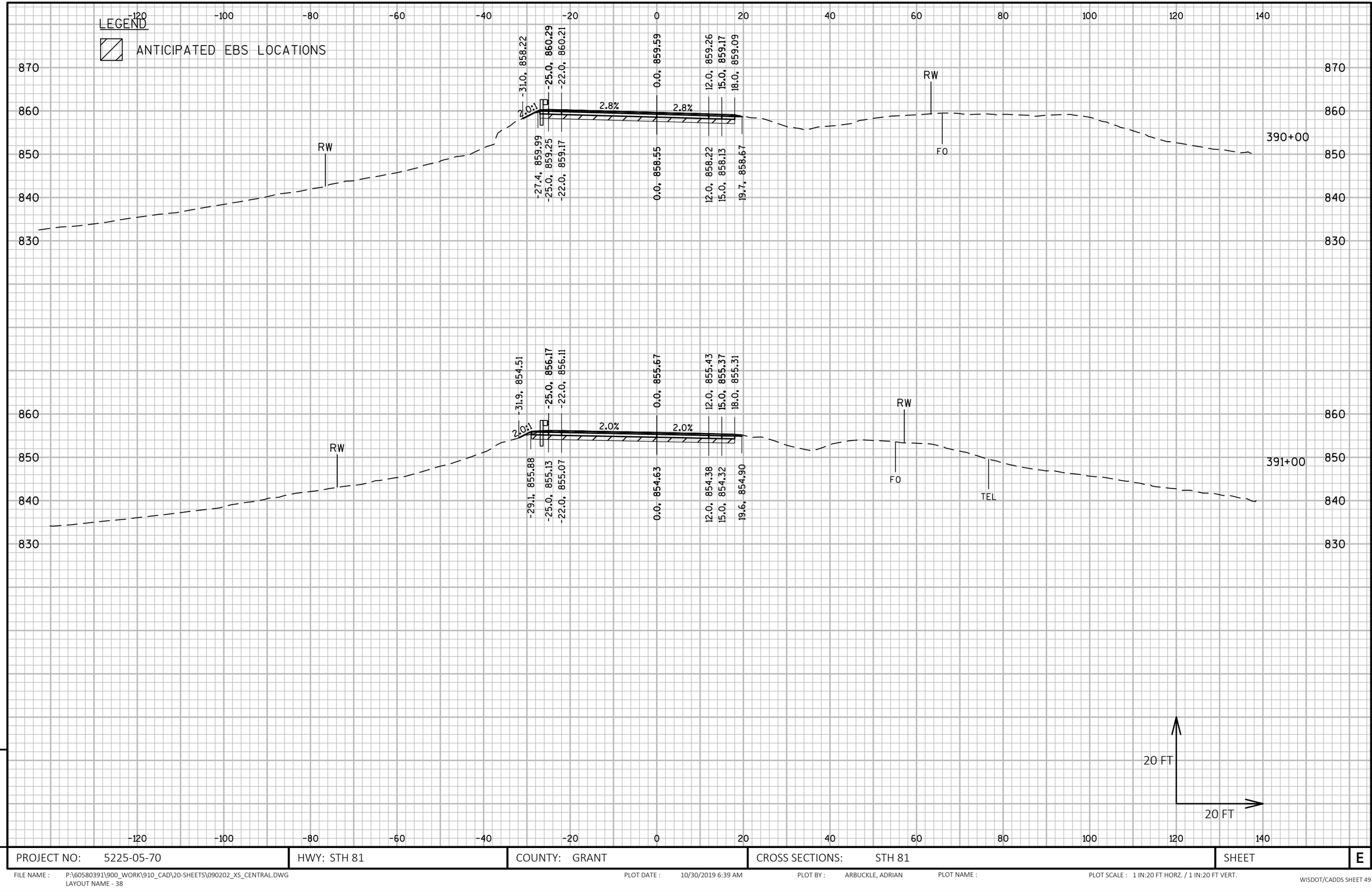
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 37

PLOT DATE : 10/30/2019 6:38 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

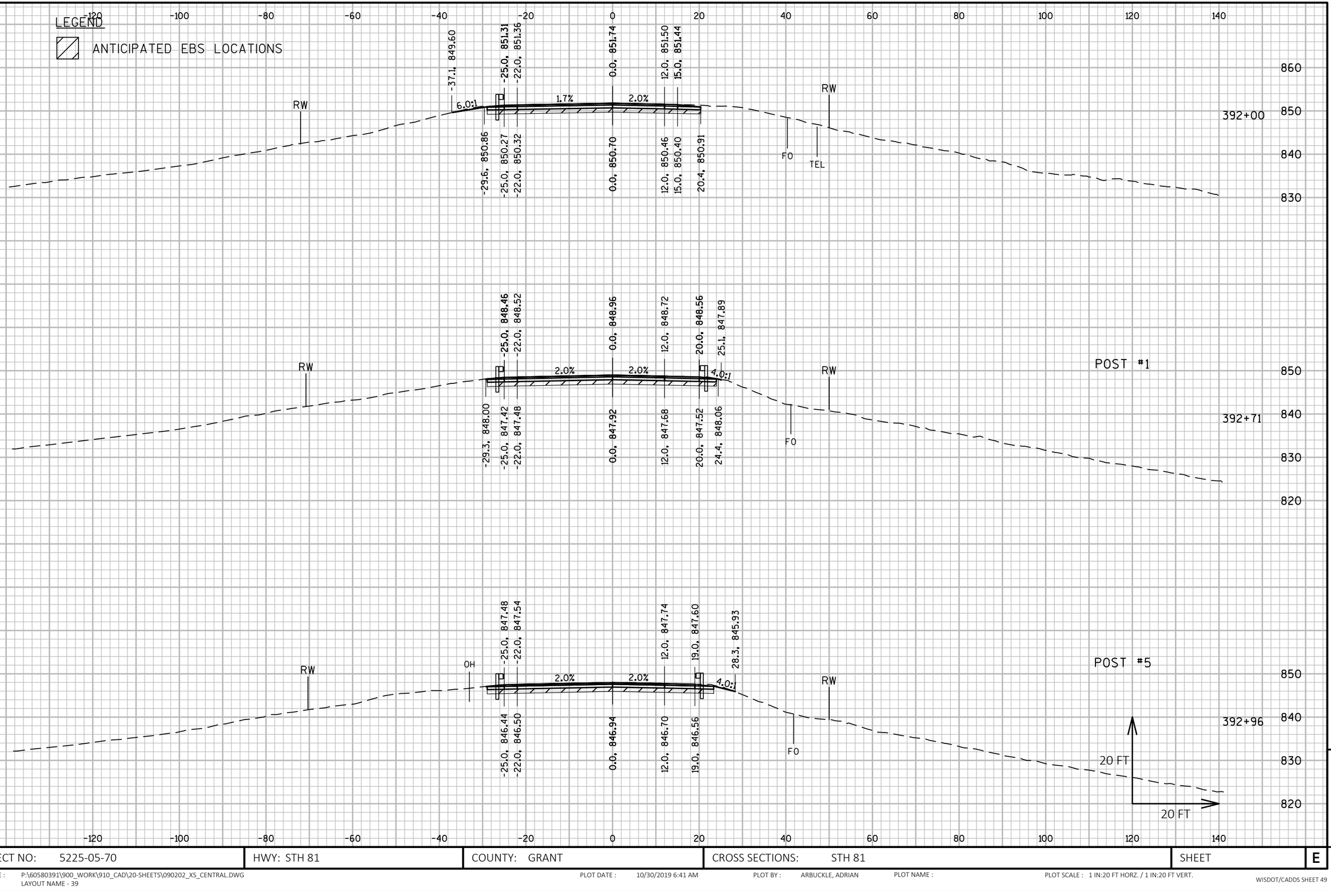
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

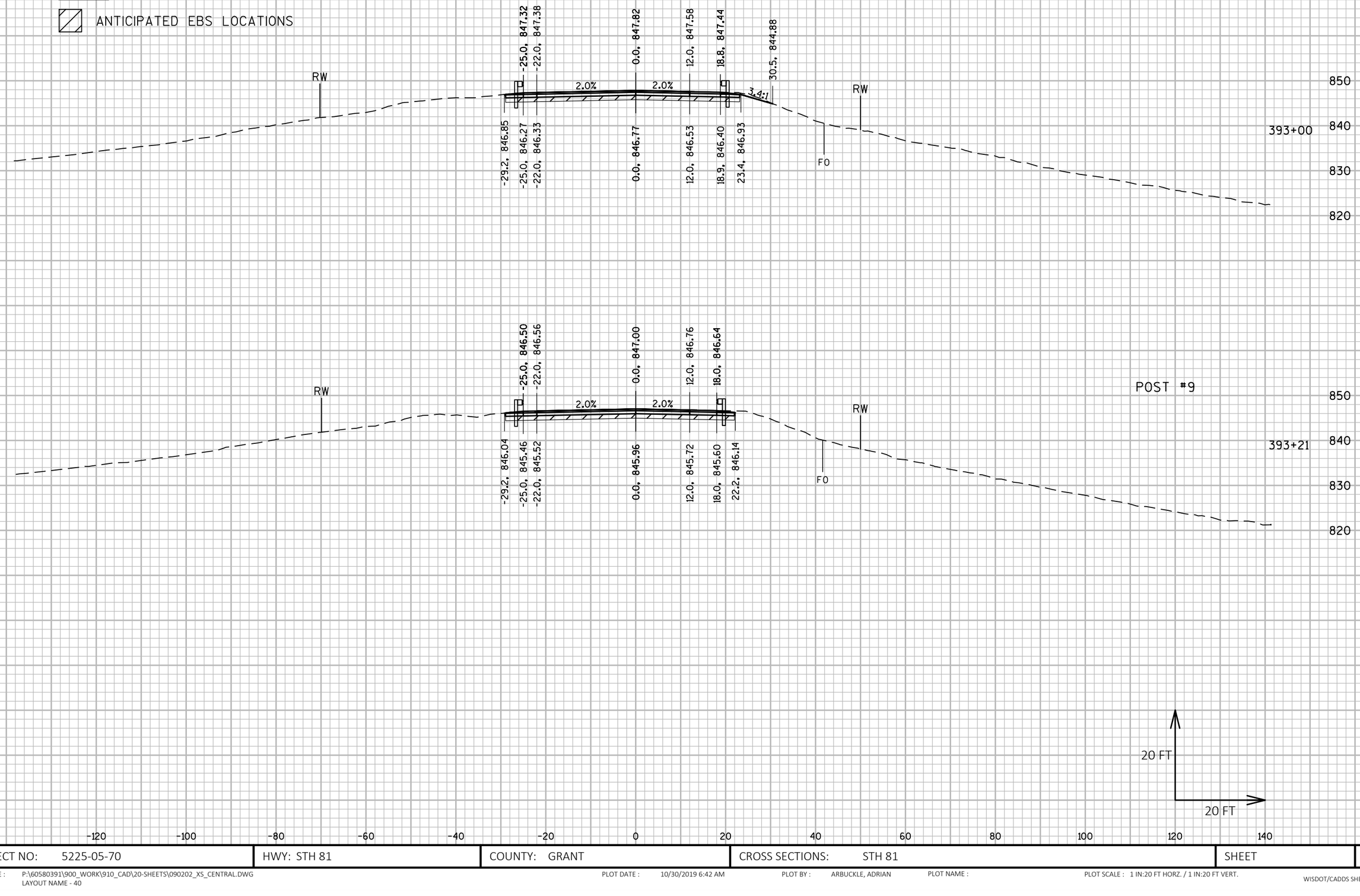
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

ANTICIPATED EBS LOCATIONS

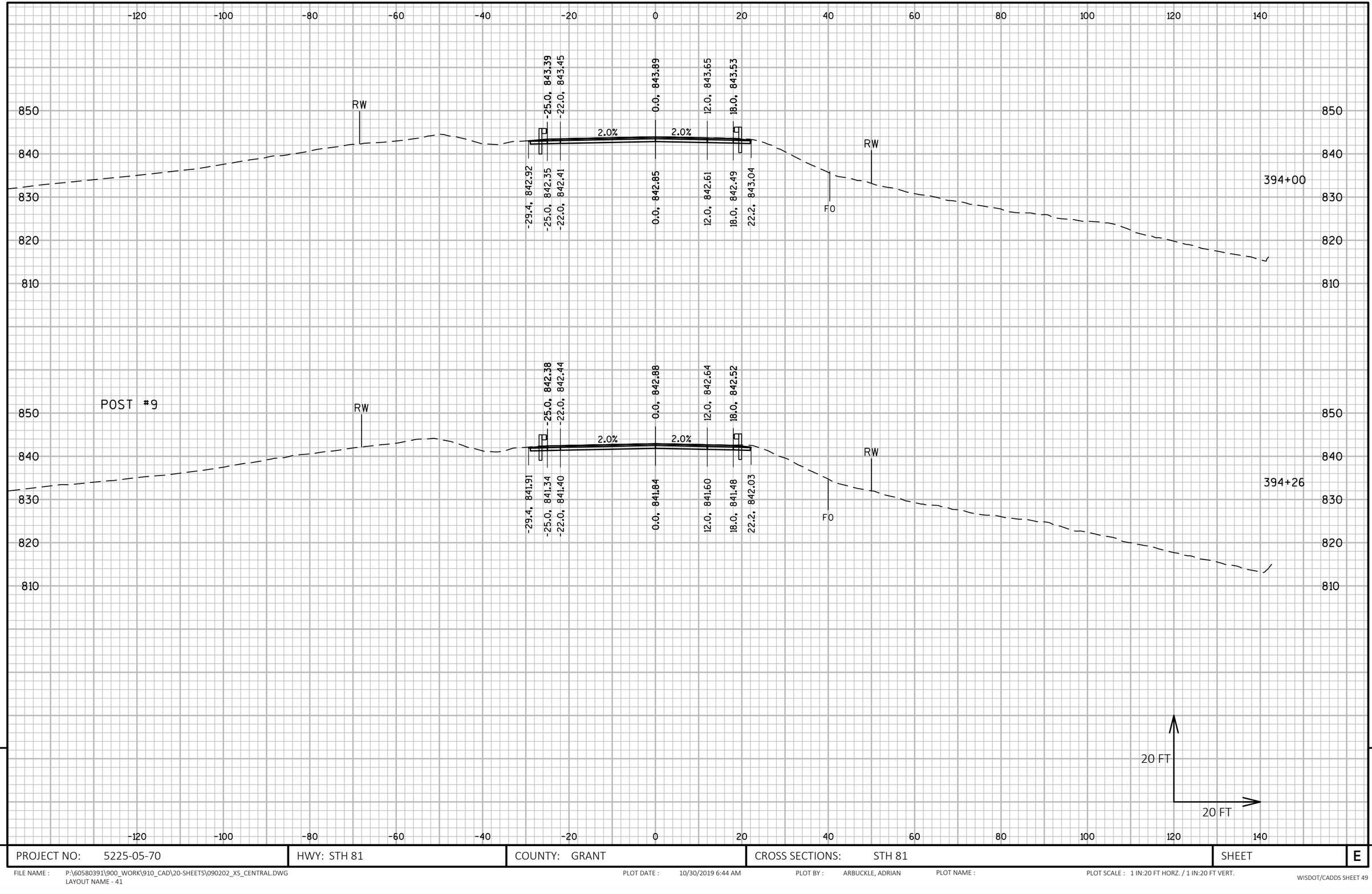


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

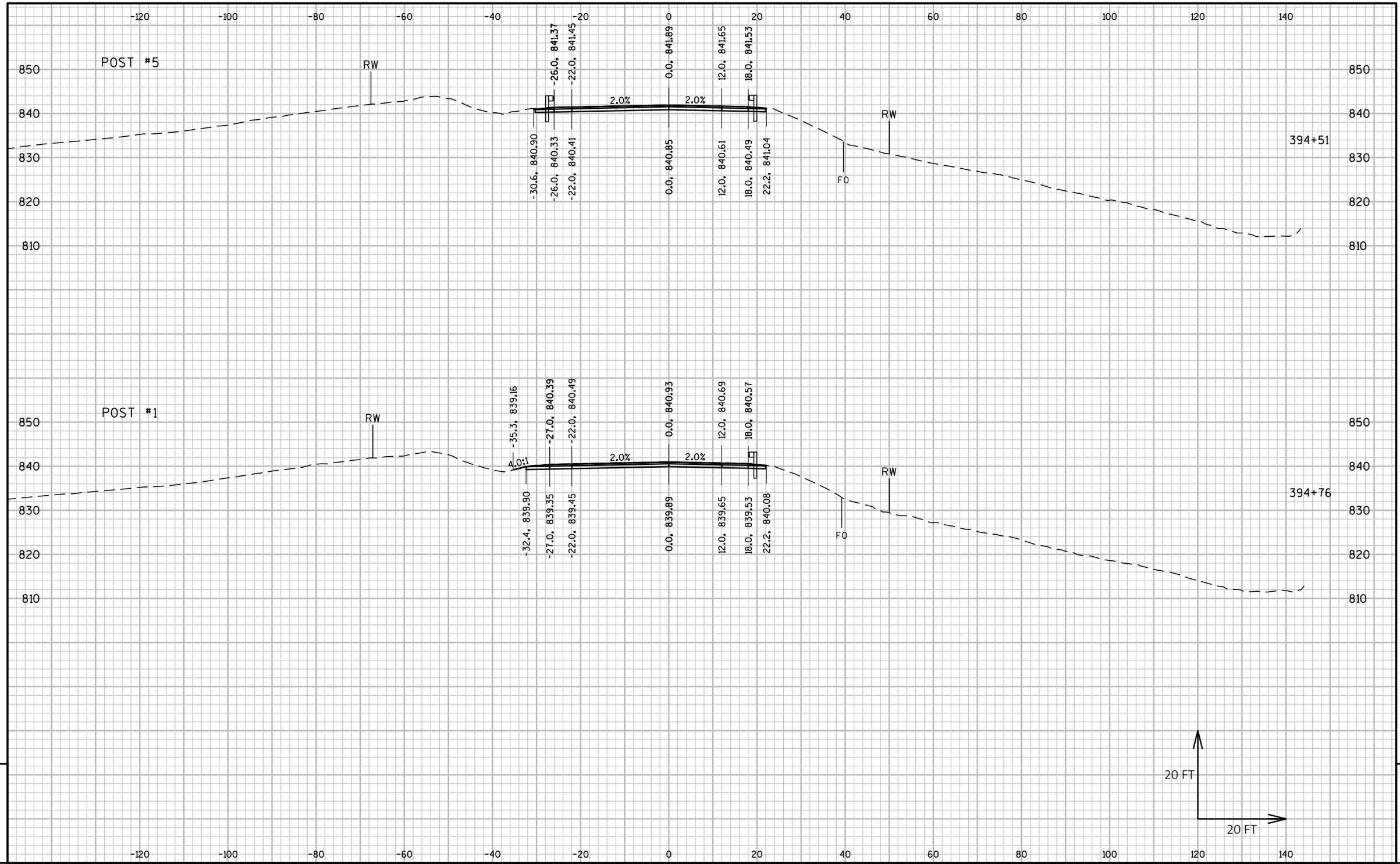
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 40

PLOT DATE : 10/30/2019 6:42 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

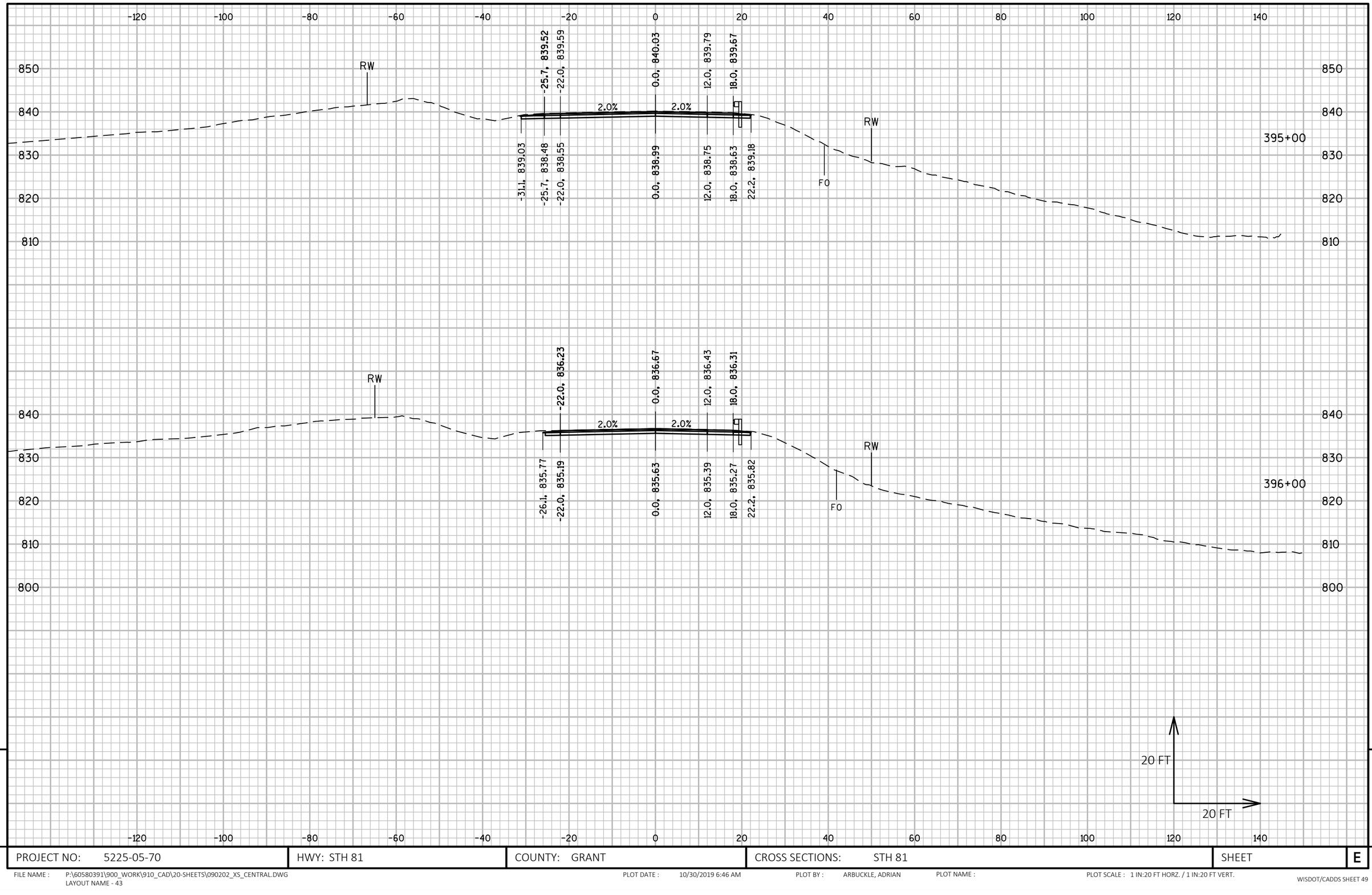
WISDOT/CADDS SHEET 49



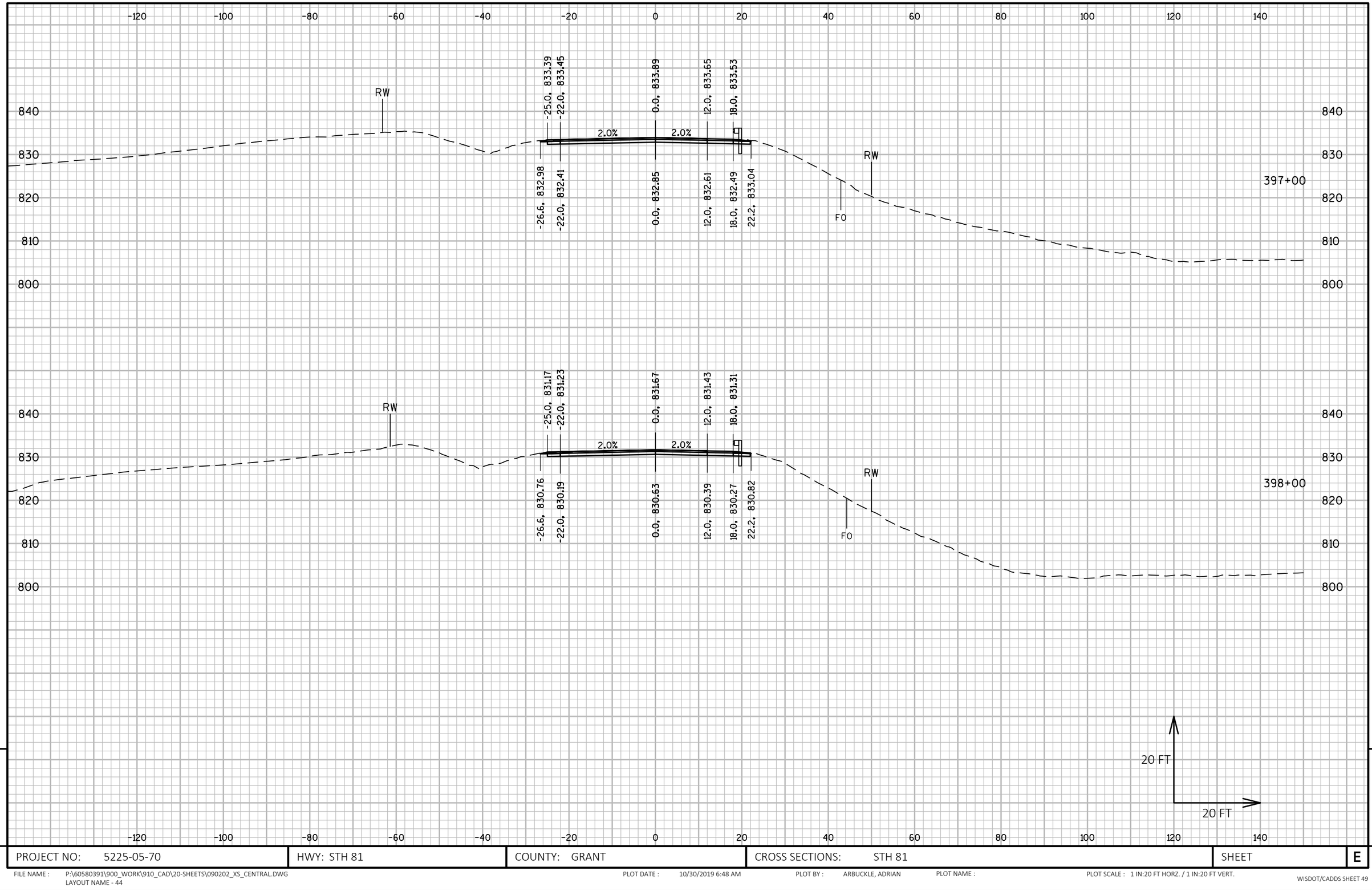
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



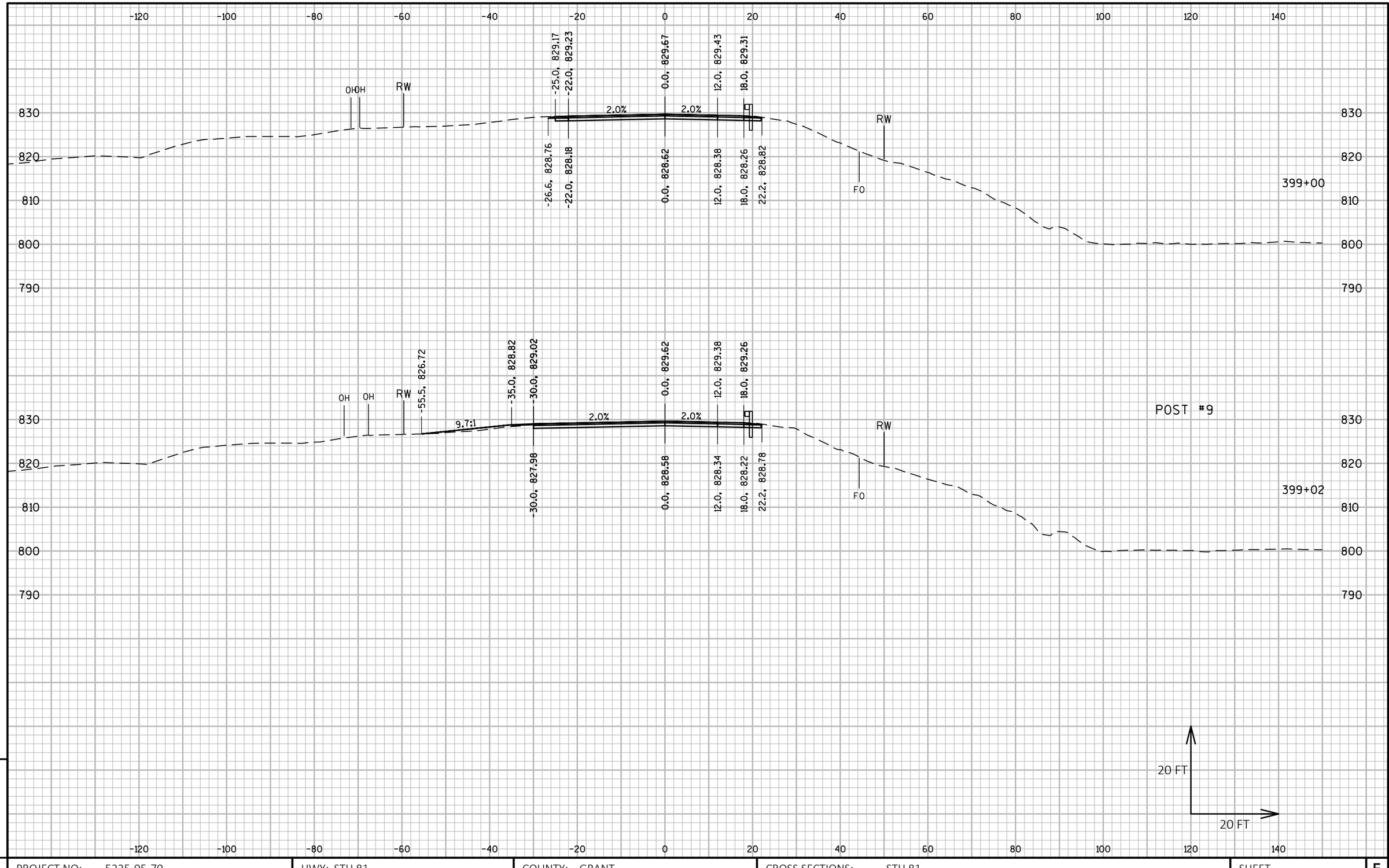
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

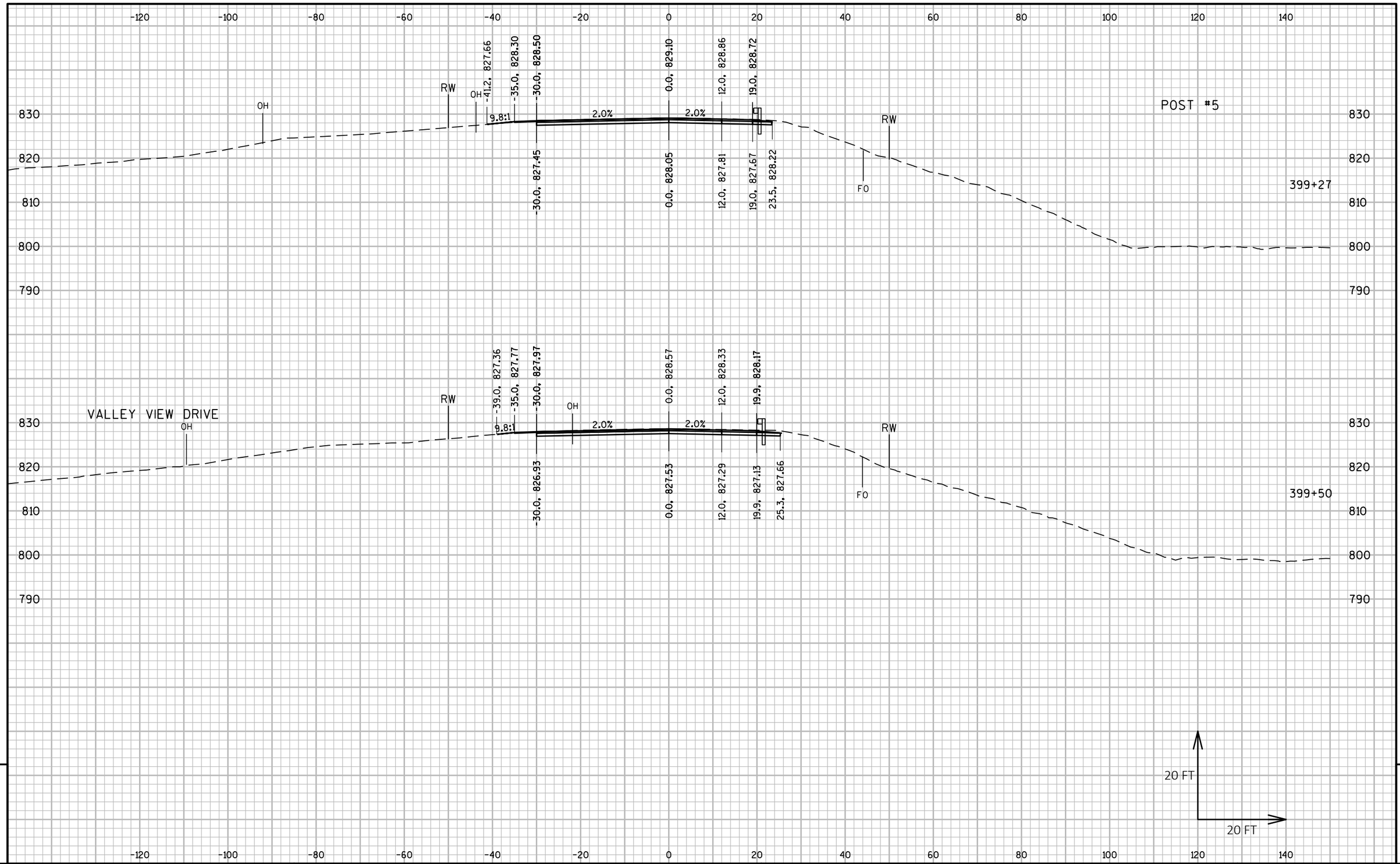


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 45

PLOT DATE : 10/30/2019 6:50 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

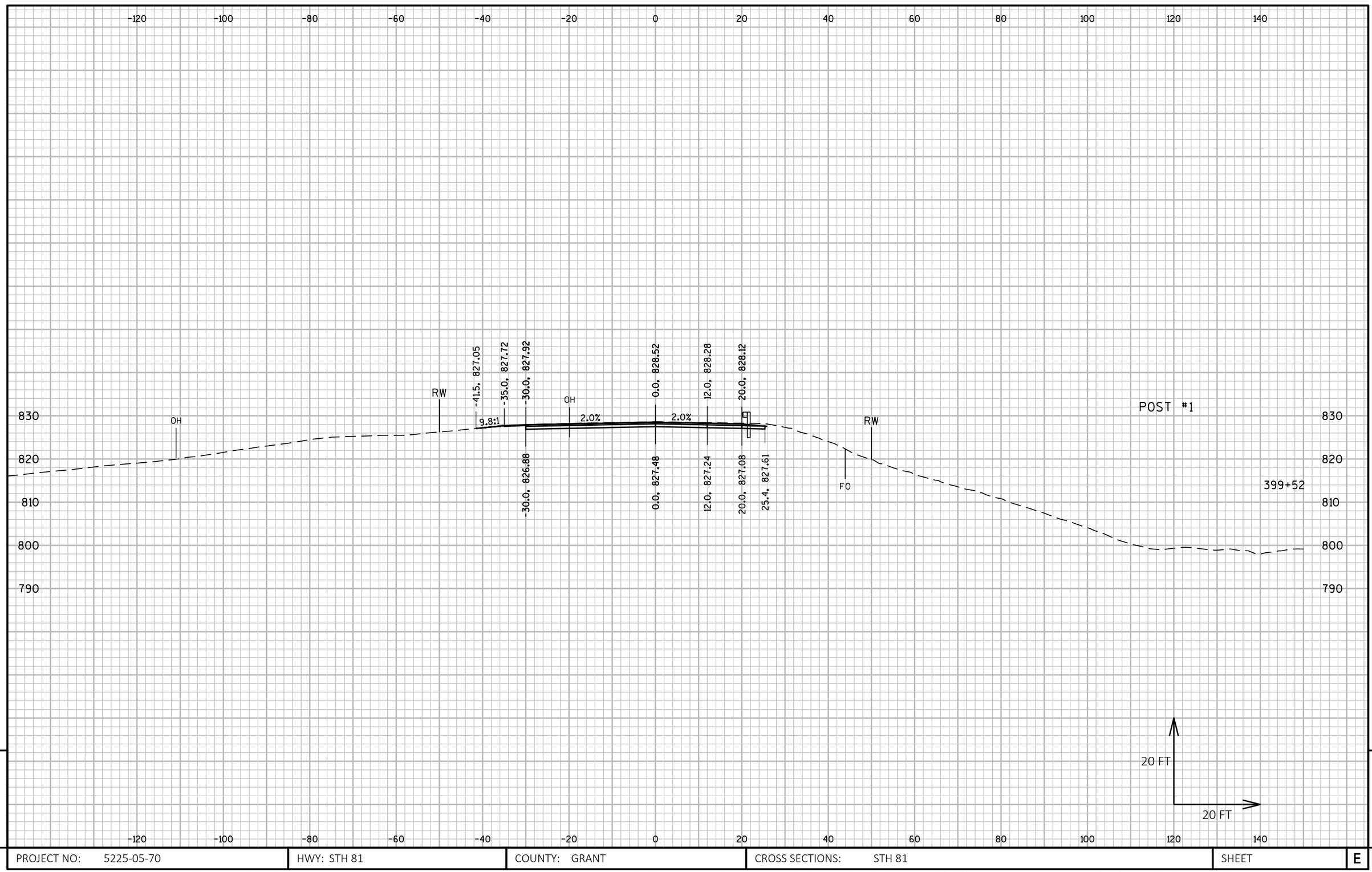
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 46

PLOT DATE : 10/30/2019 6:51 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

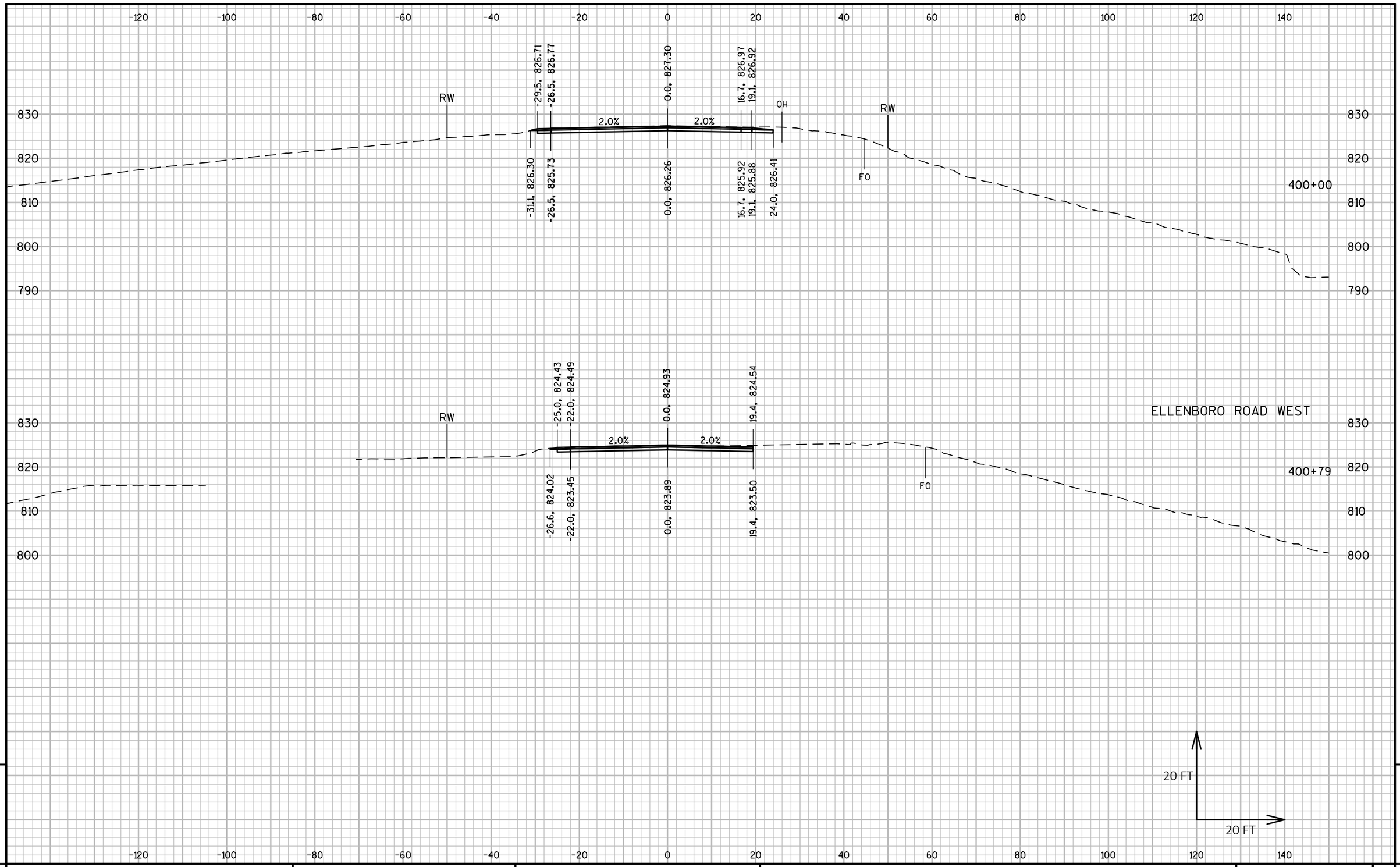


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 47

PLOT DATE : 10/30/2019 6:52 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

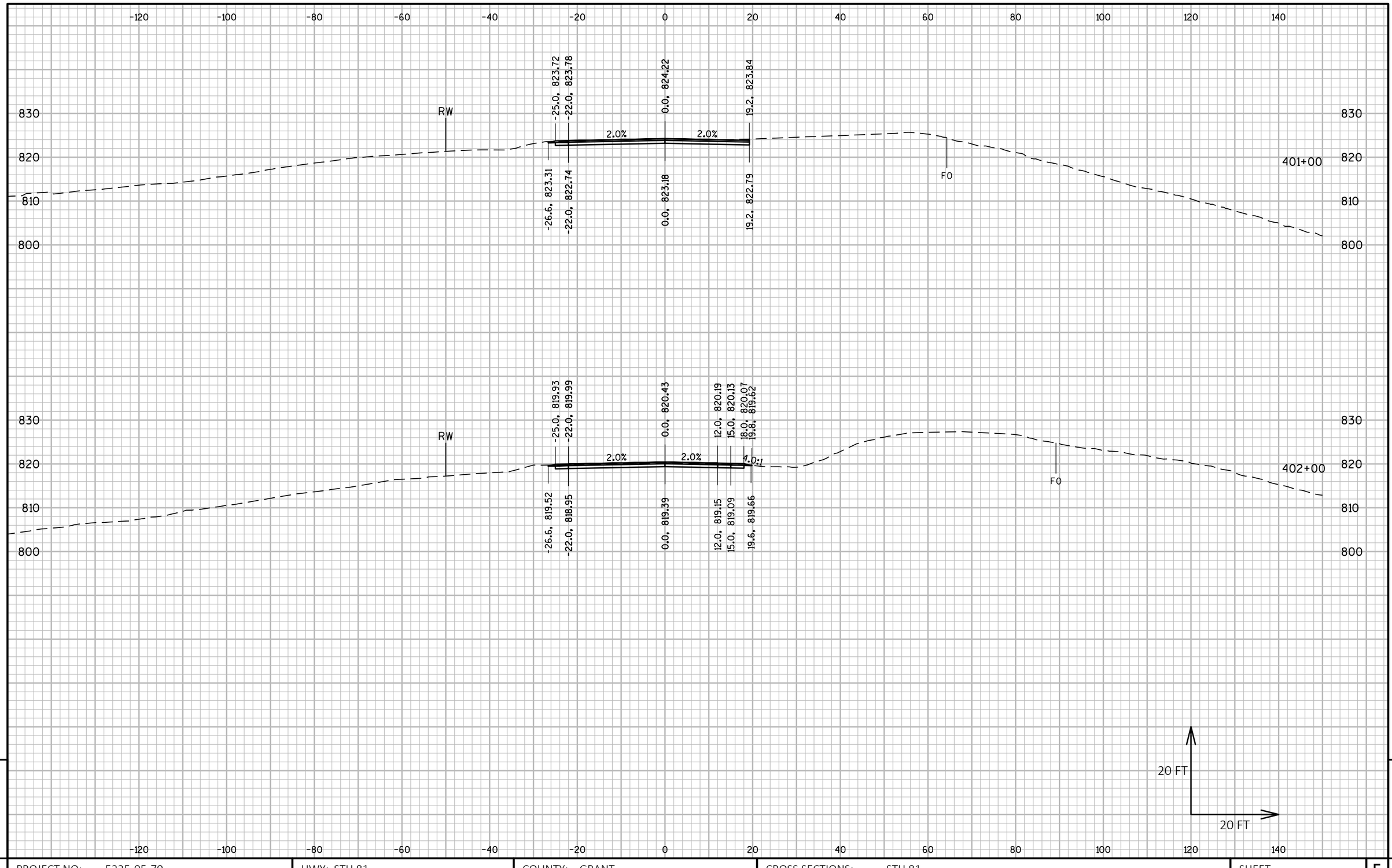


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 48

PLOT DATE : 10/30/2019 11:31 AM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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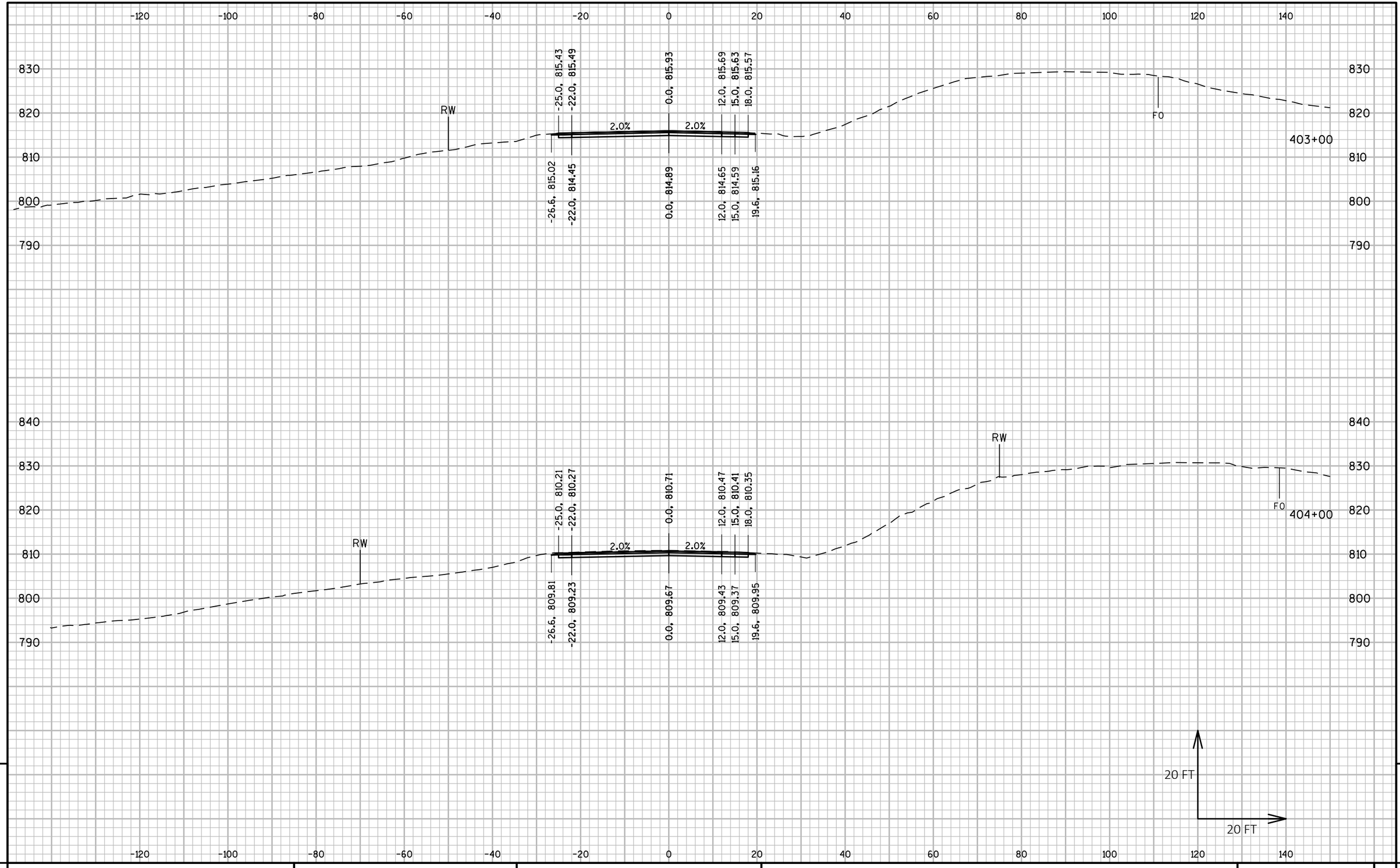
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 49

PLOT DATE : 10/30/2019 6:55 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

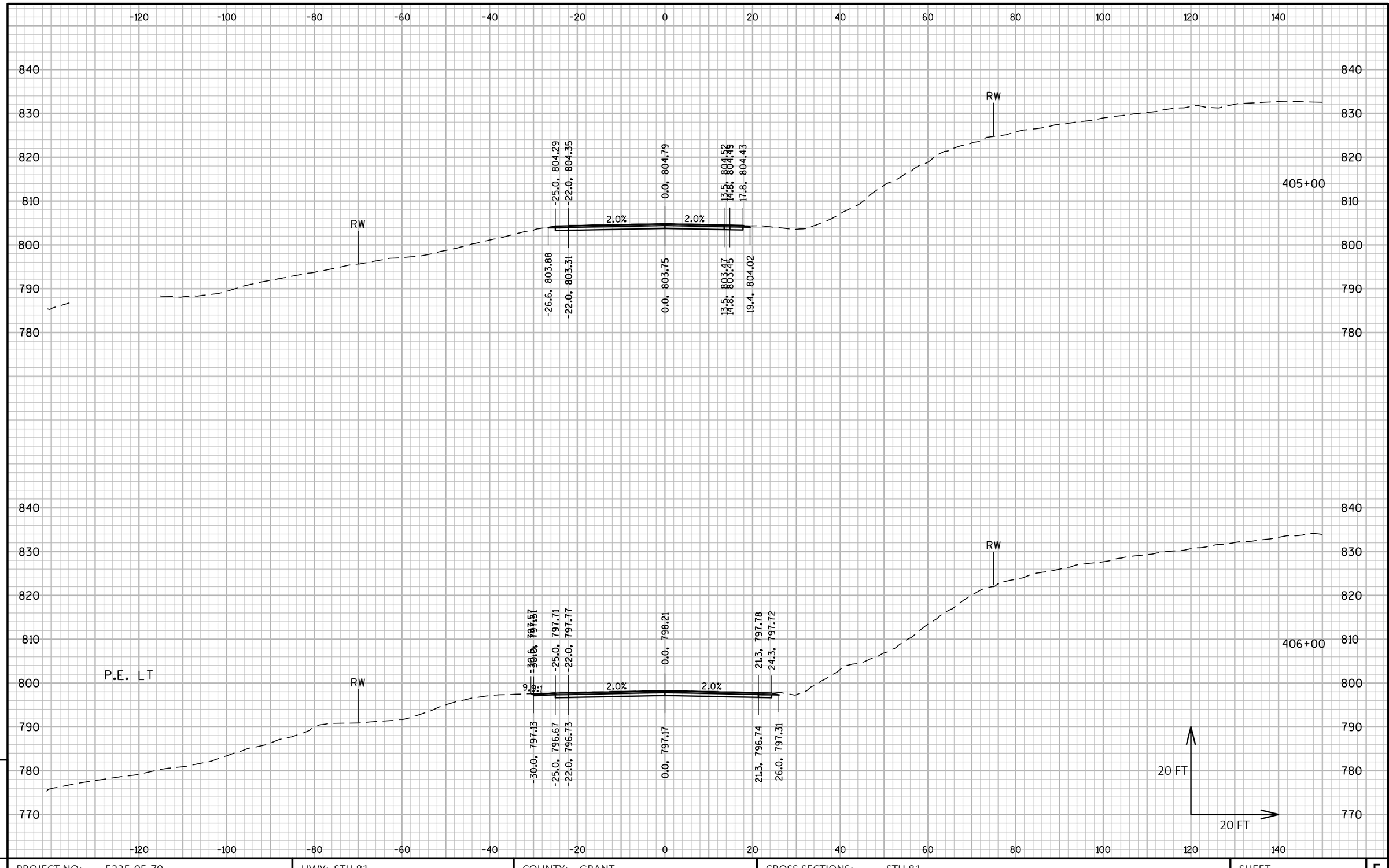
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 50

PLOT DATE : 10/30/2019 6:56 AM

PLOT BY : ARBUCKLE, ADRIAN

PLOT NAME :

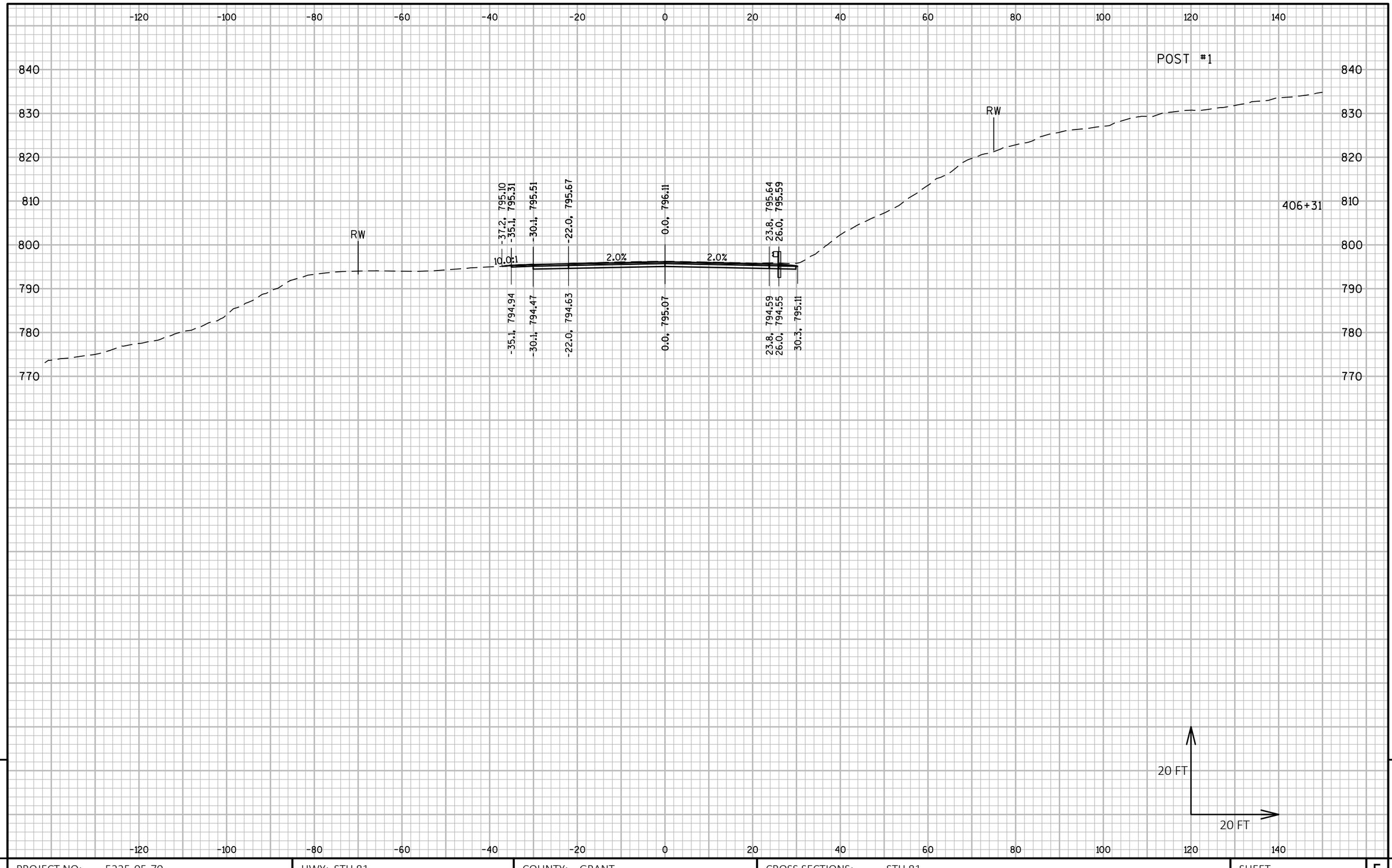
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 51

PLOT DATE : 10/30/2019 6:58 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

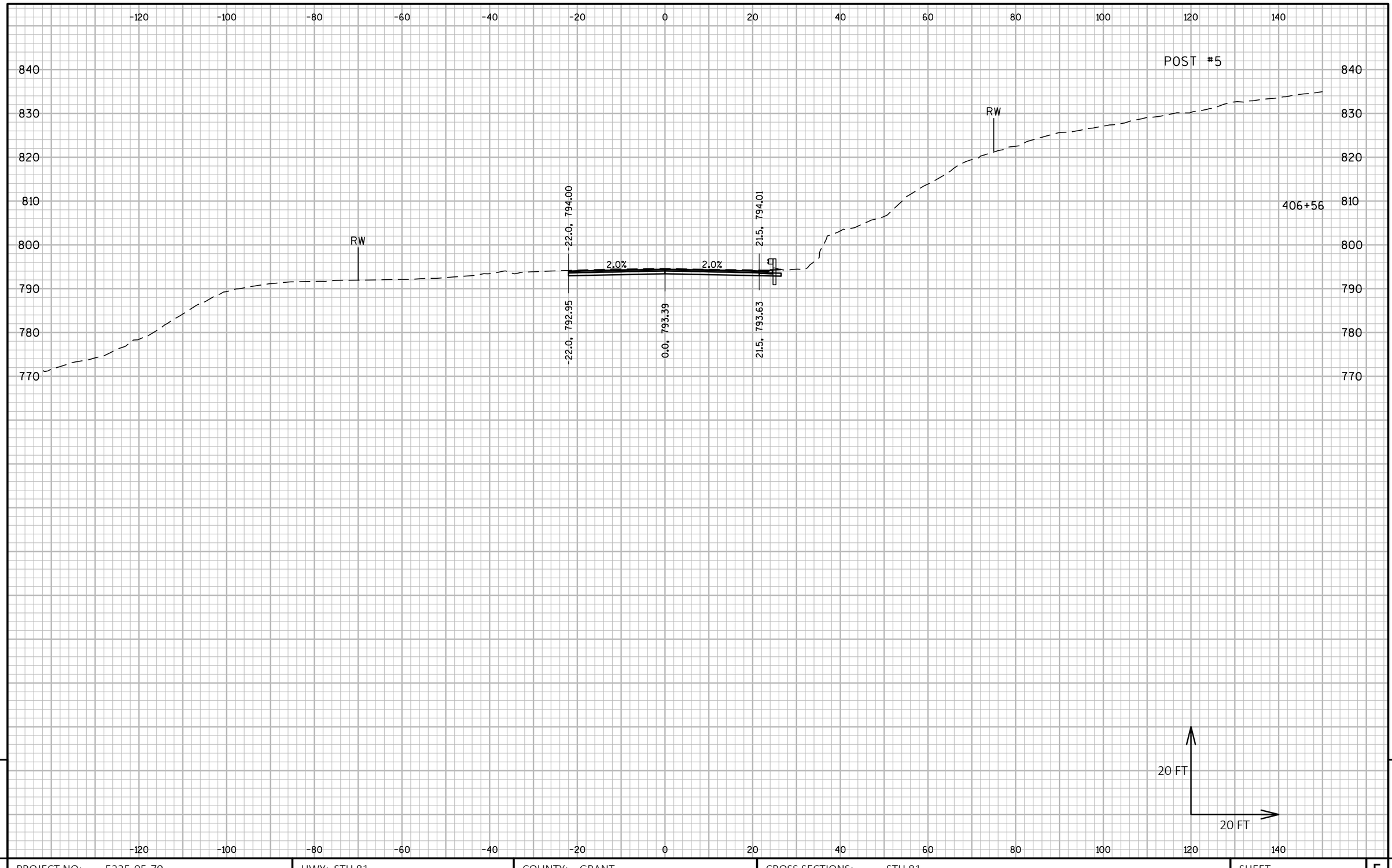


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 52

PLOT DATE : 10/30/2019 6:59 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 53

PLOT DATE : 10/30/2019 7:01 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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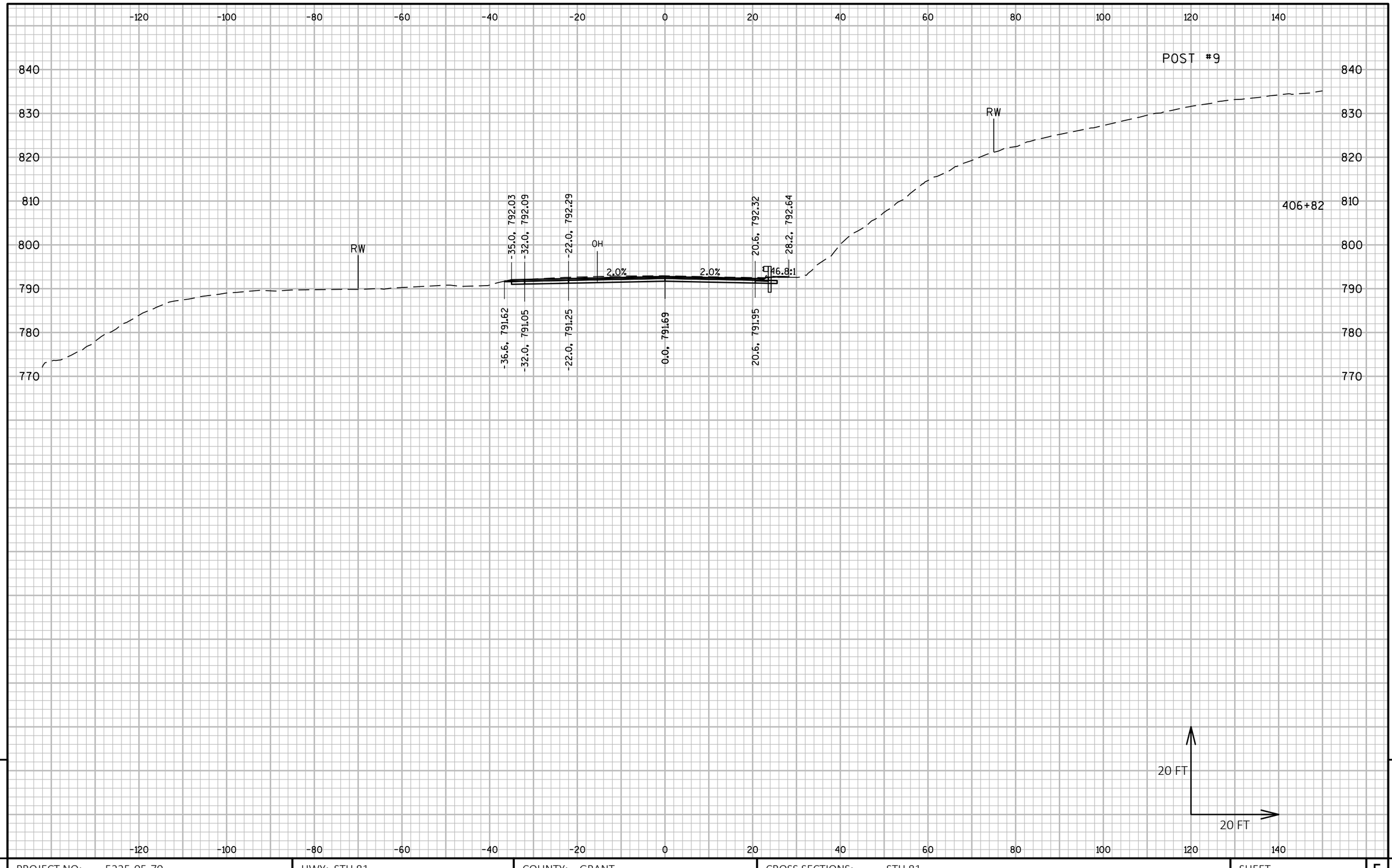
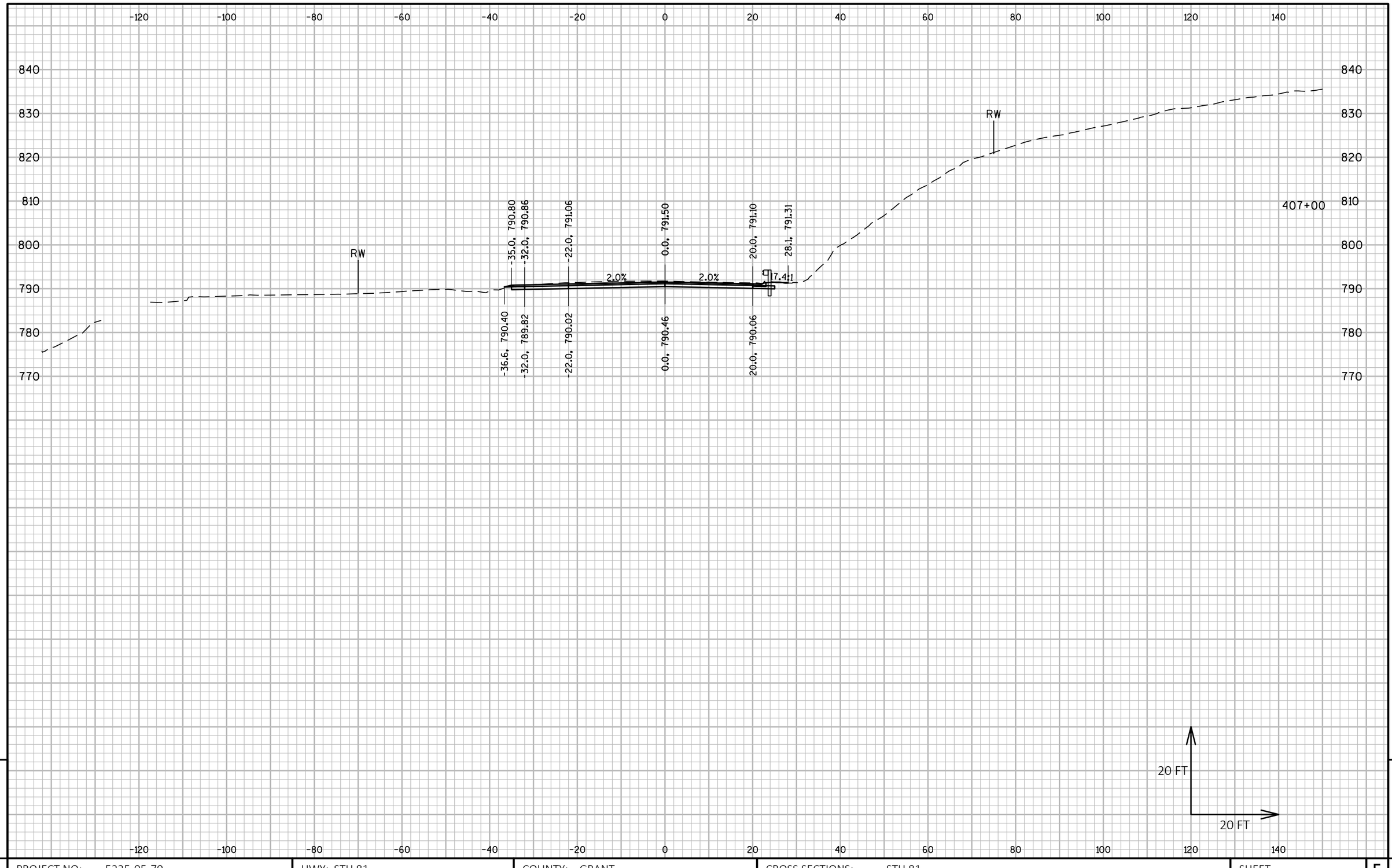


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 54

PLOT DATE : 10/30/2019 7:02 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

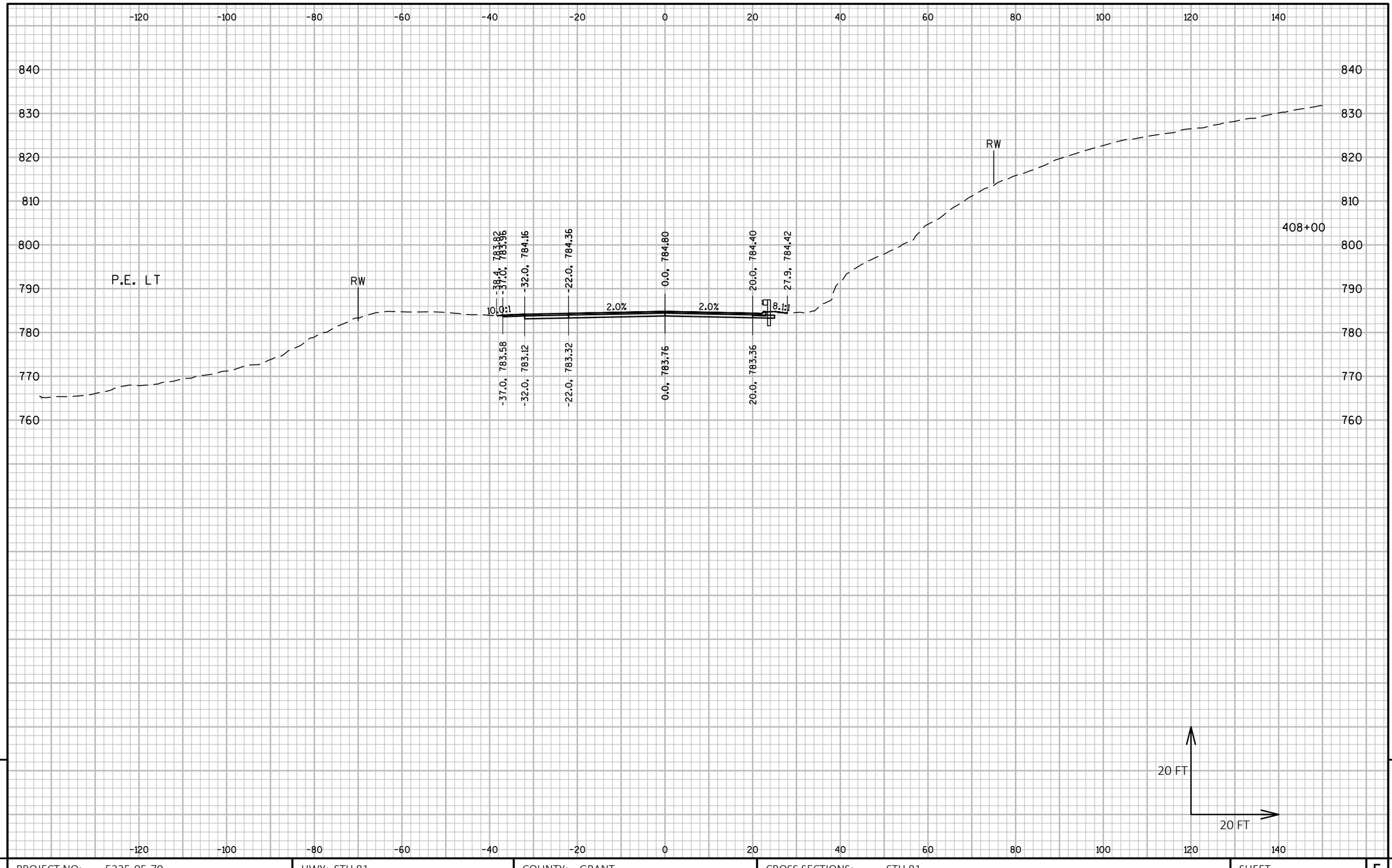


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 55

PLOT DATE : 10/30/2019 7:04 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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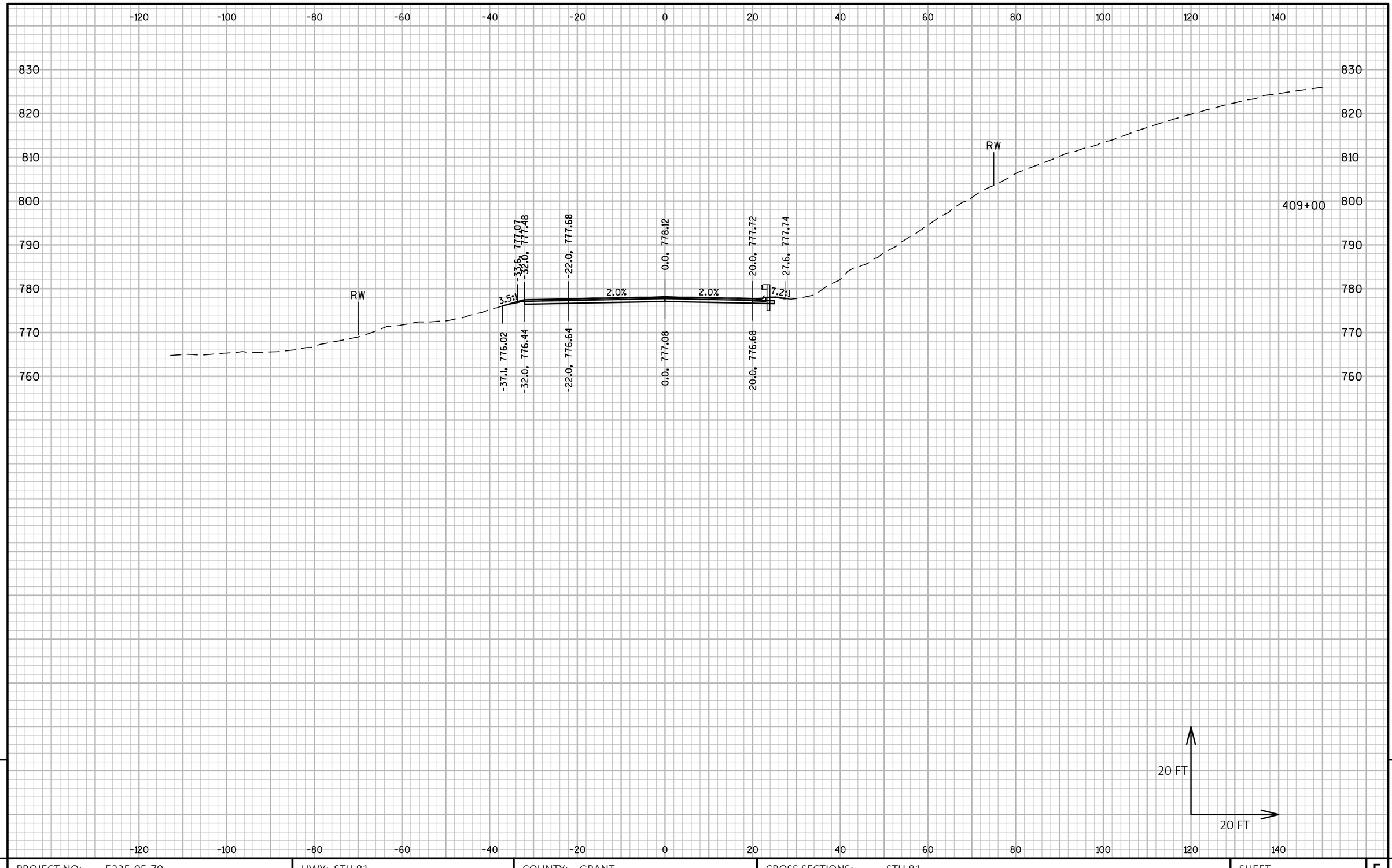
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 56

PLOT DATE : 10/30/2019 7:05 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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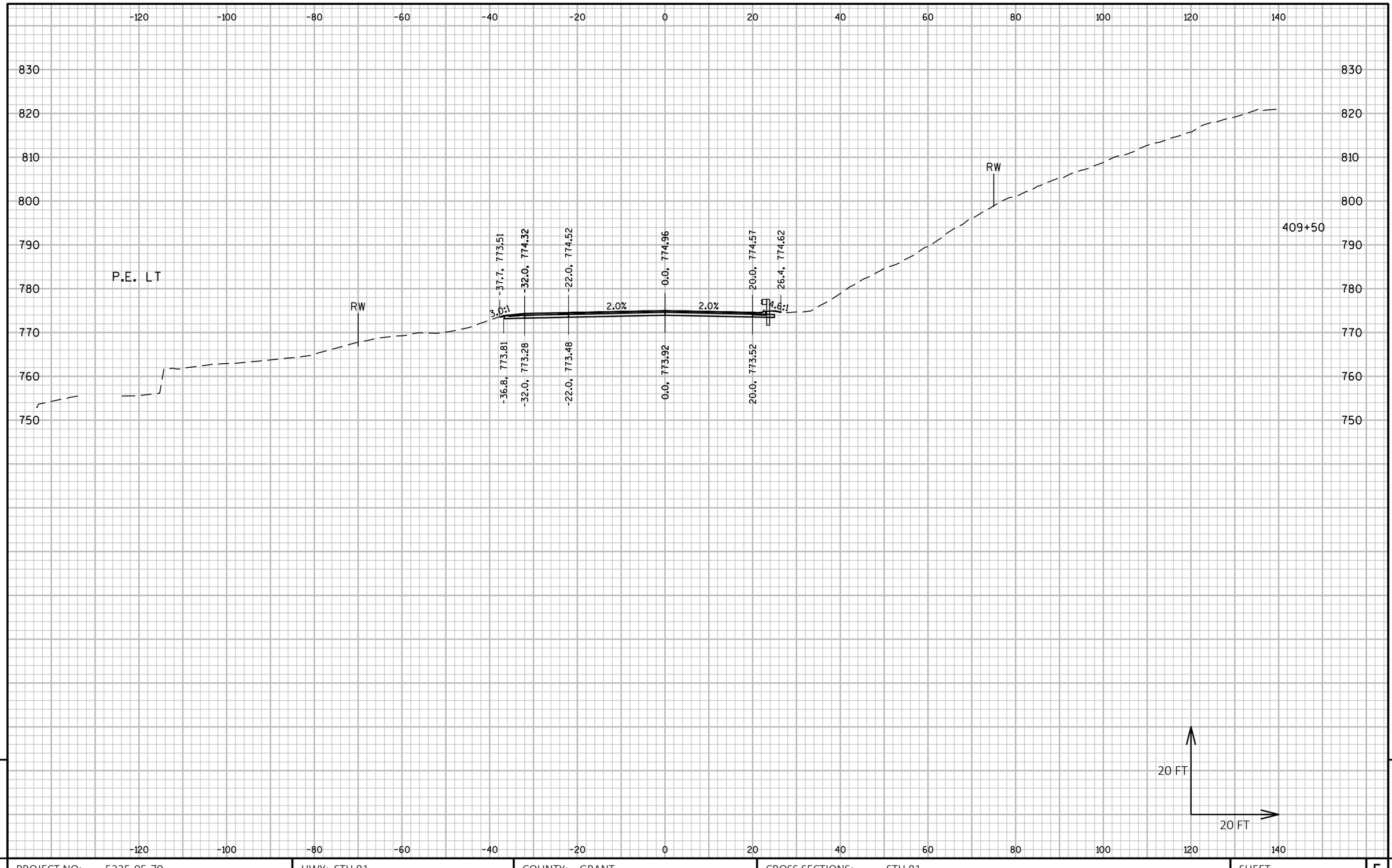
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

9

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 57

PLOT DATE : 10/30/2019 7:06 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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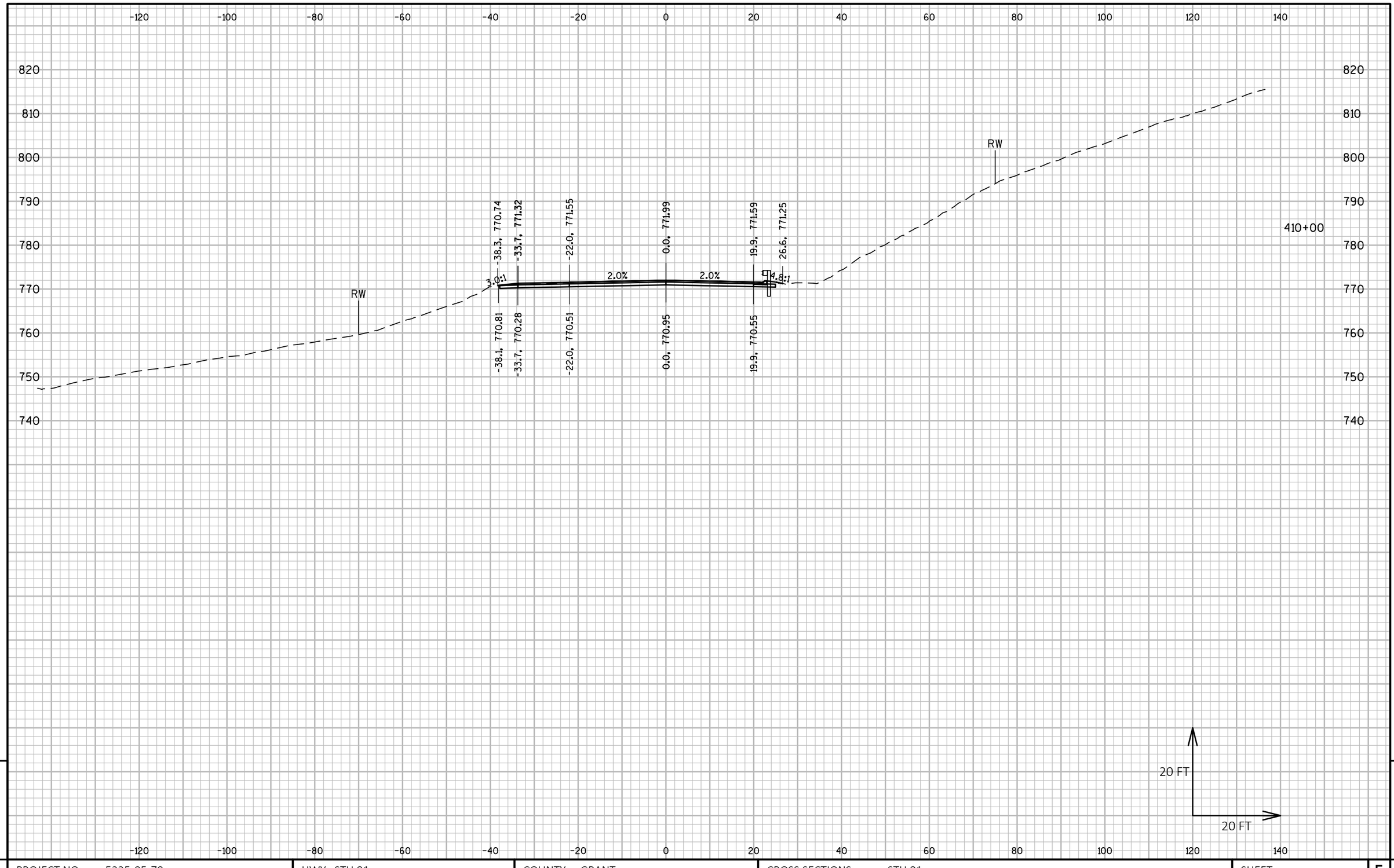
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

9

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 58
PLOT DATE : 10/30/2019 7:08 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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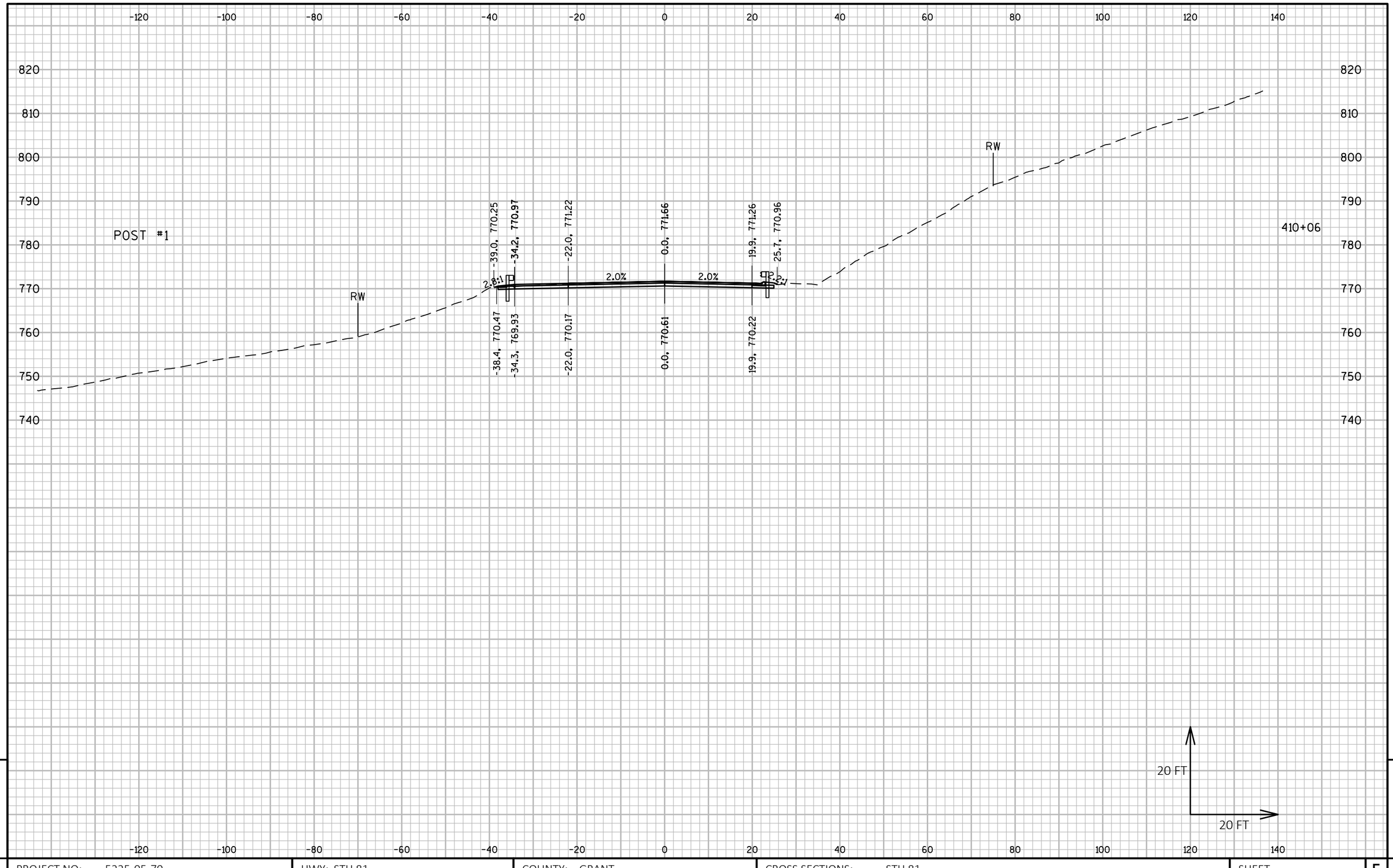
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 59

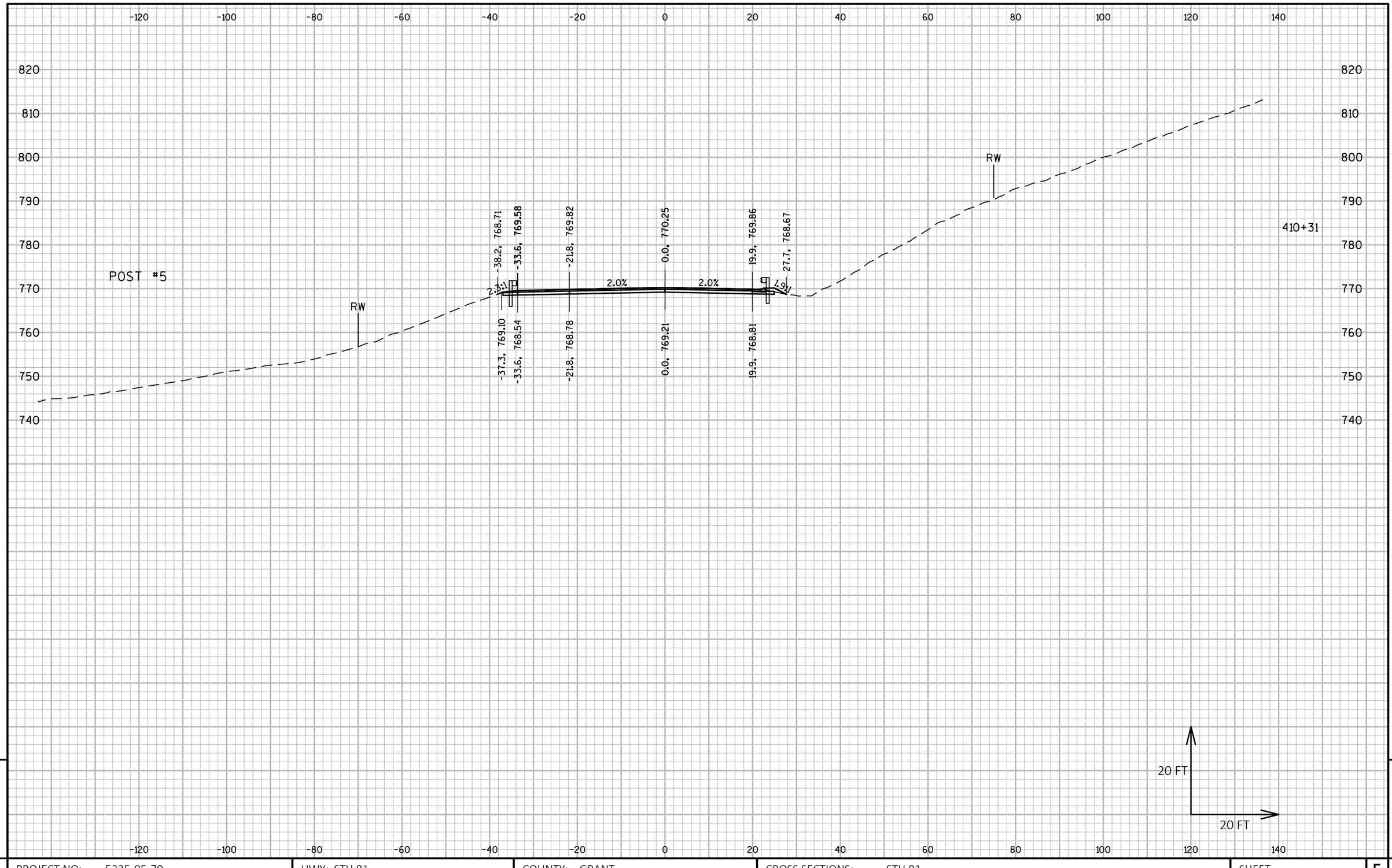
PLOT DATE : 10/30/2019 7:09 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 60

PLOT DATE : 10/30/2019 7:10 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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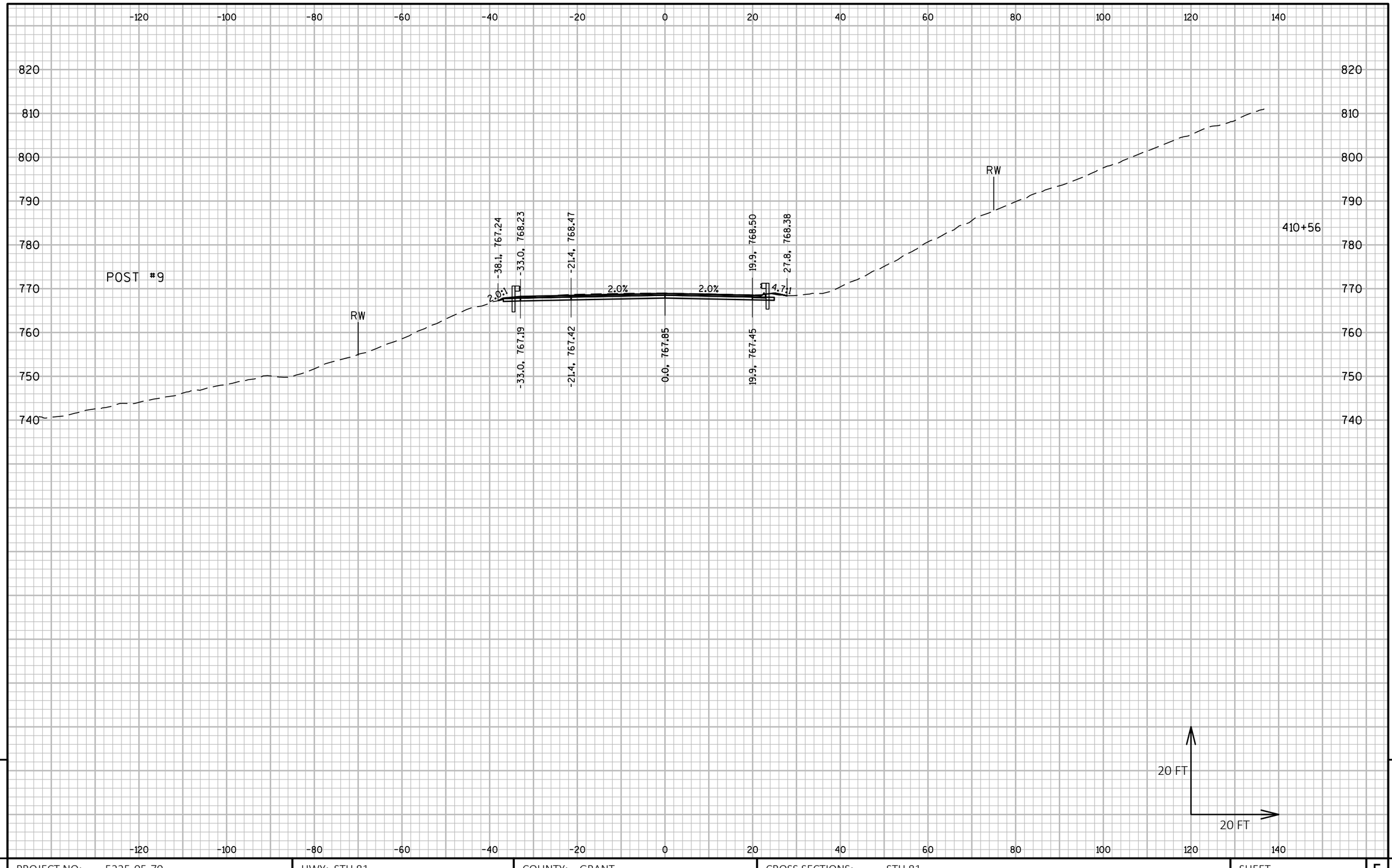
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 61

PLOT DATE : 10/30/2019 7:12 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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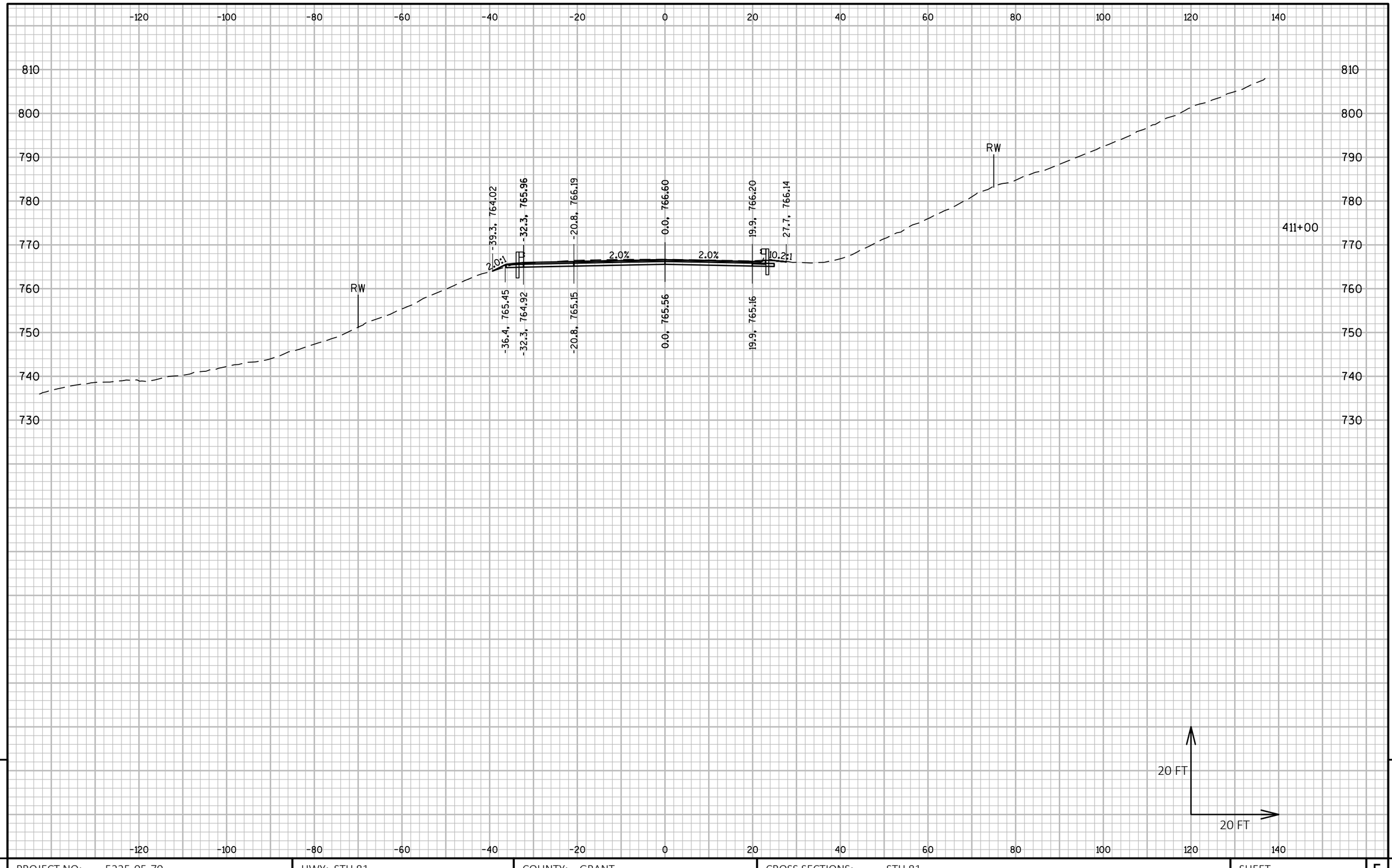
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

9

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 62

PLOT DATE : 10/30/2019 7:13 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



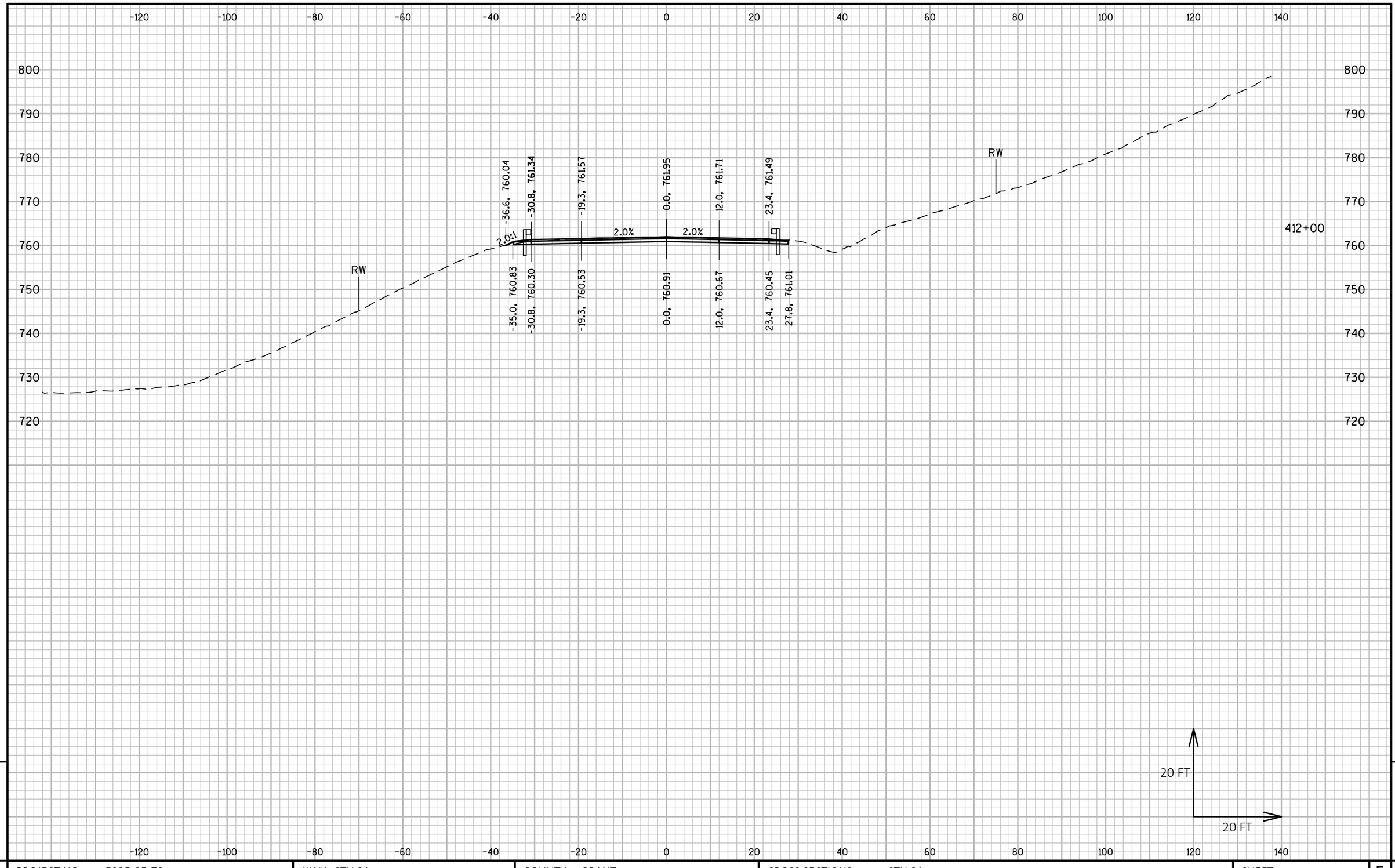
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 63

PLOT DATE : 10/30/2019 7:14 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

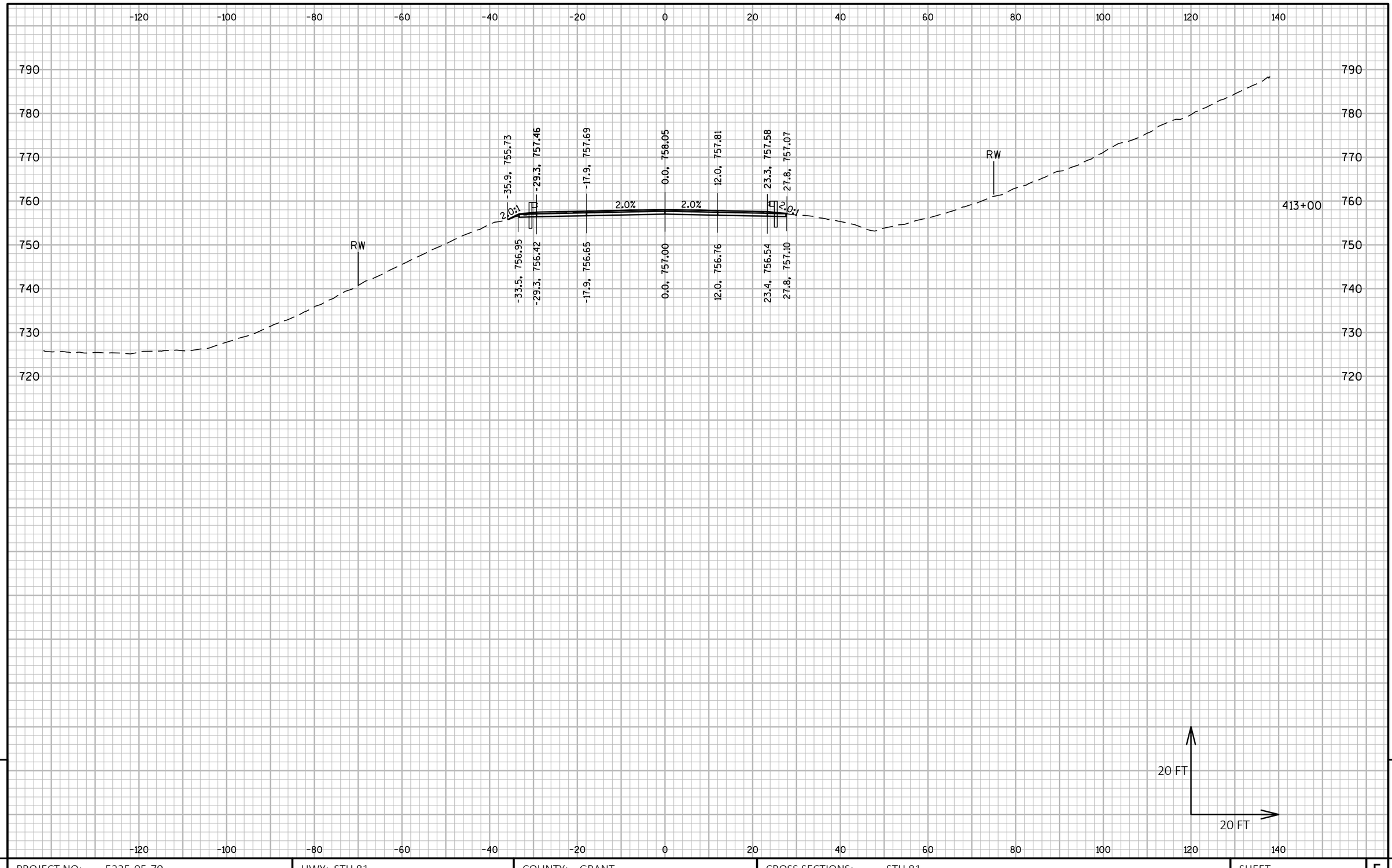
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 64

PLOT DATE : 10/30/2019 7:16 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

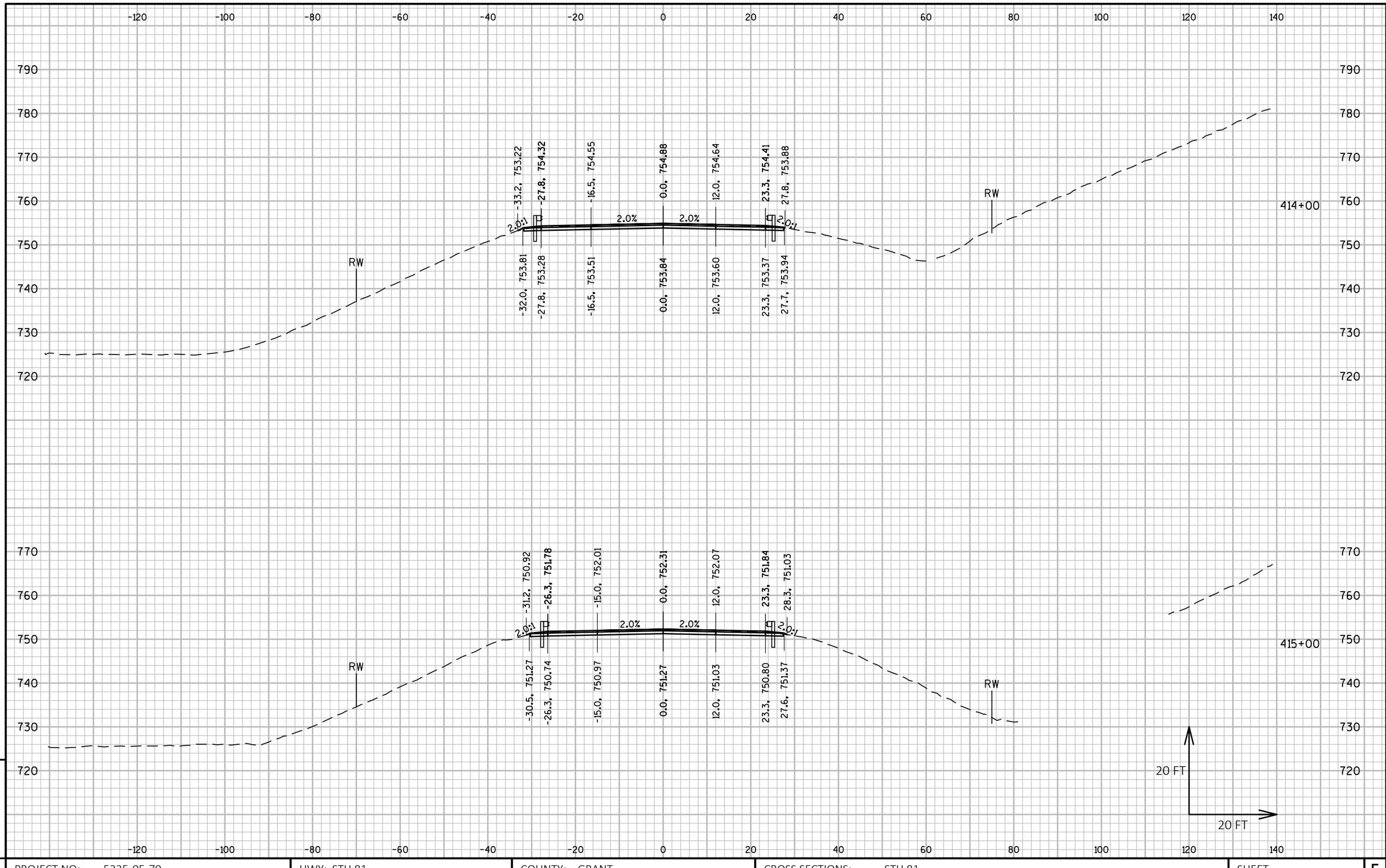
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

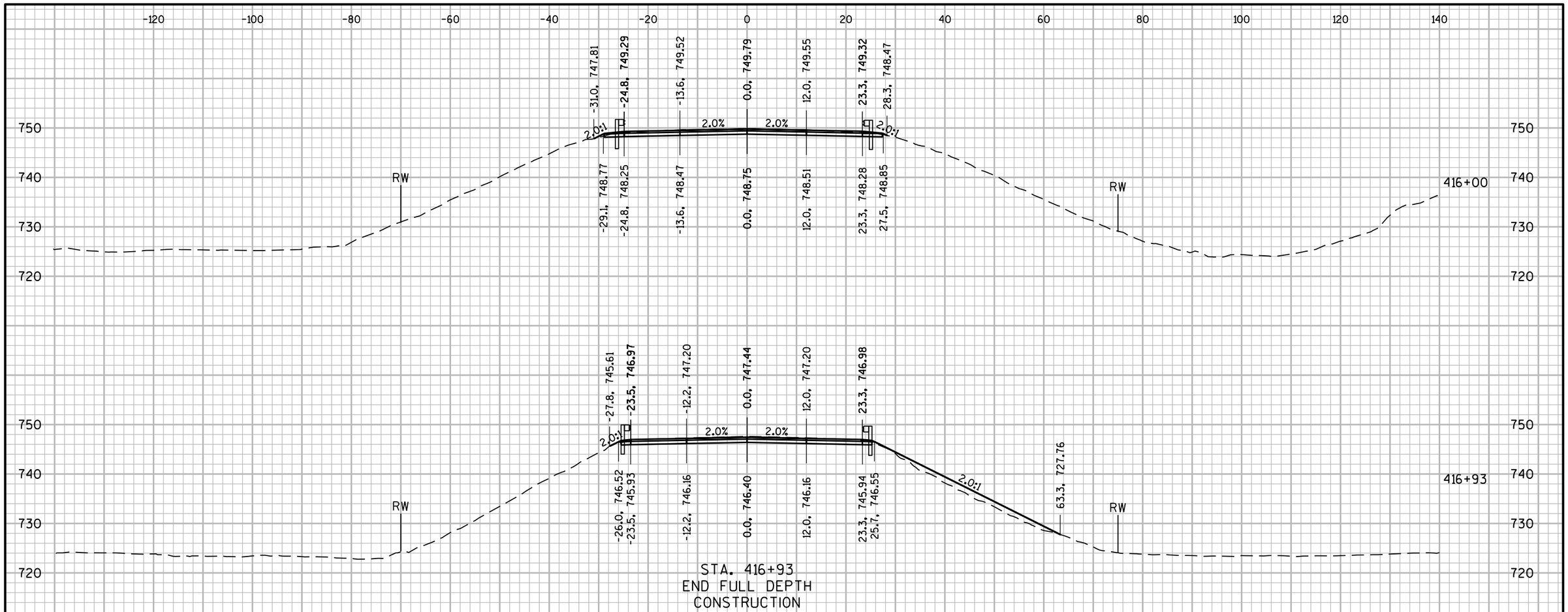
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 65

PLOT DATE : 10/30/2019 7:17 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



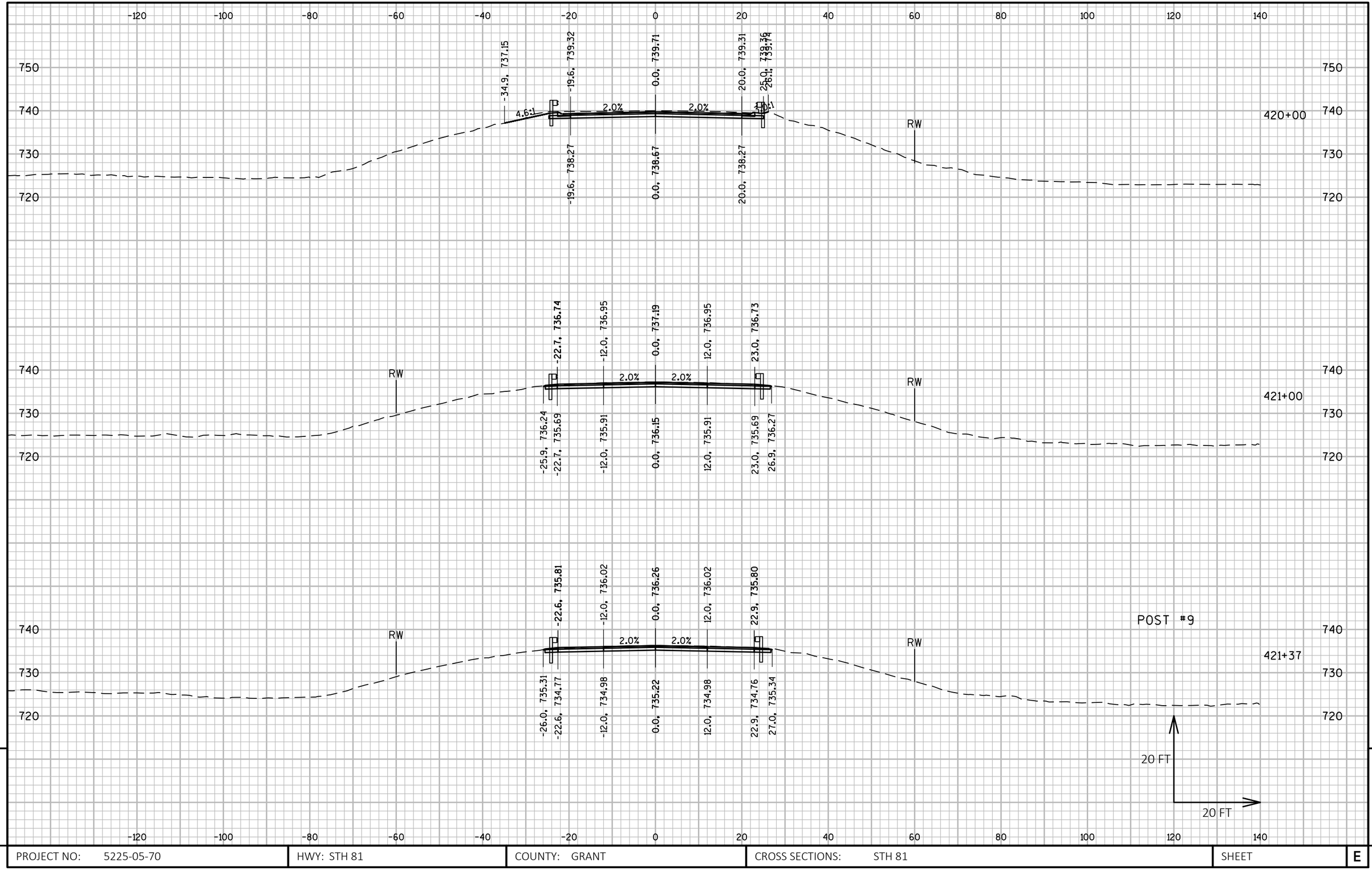
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 67

PLOT DATE : 10/30/2019 7:20 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

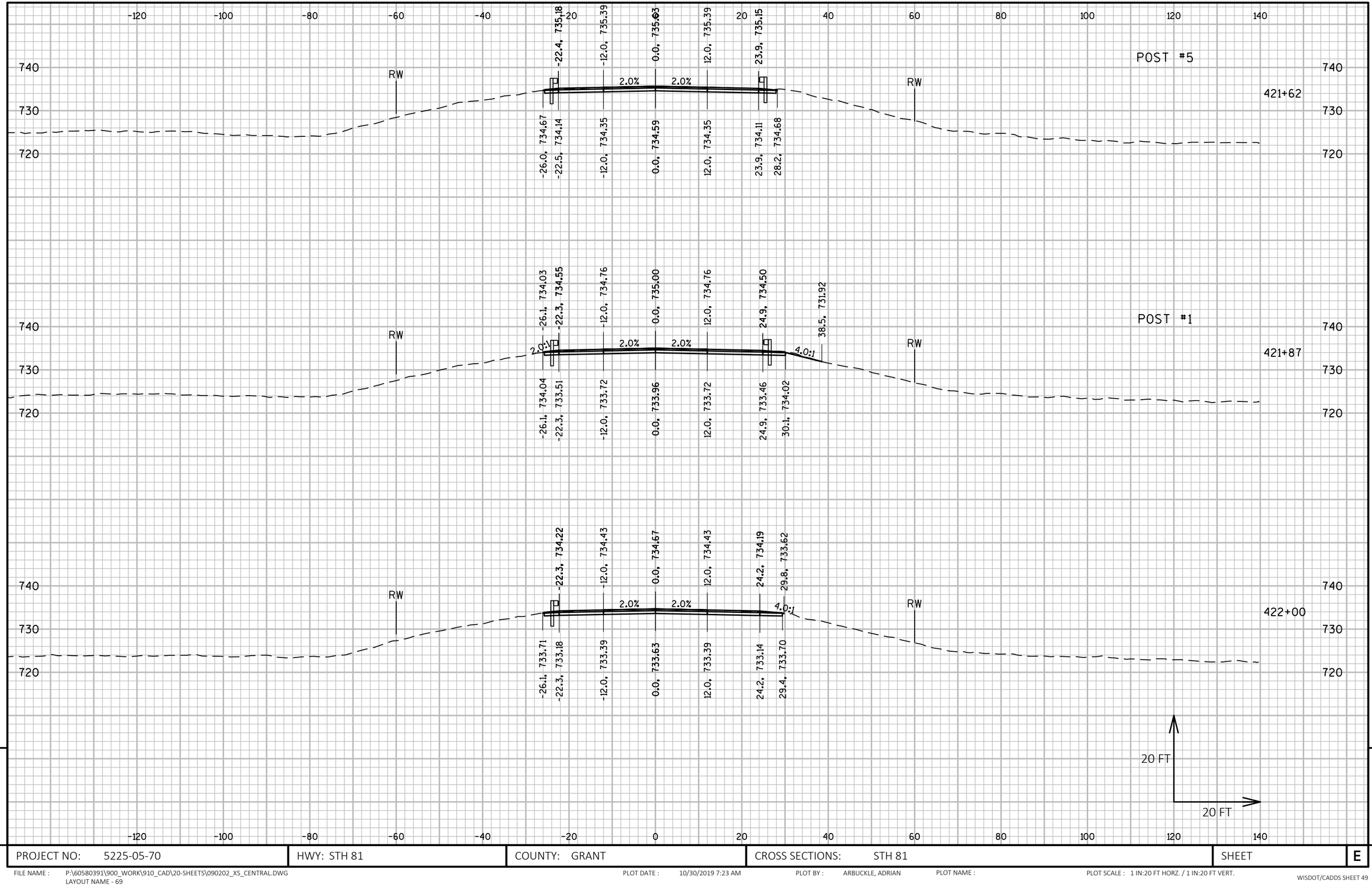


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 68

PLOT DATE : 10/30/2019 7:21 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

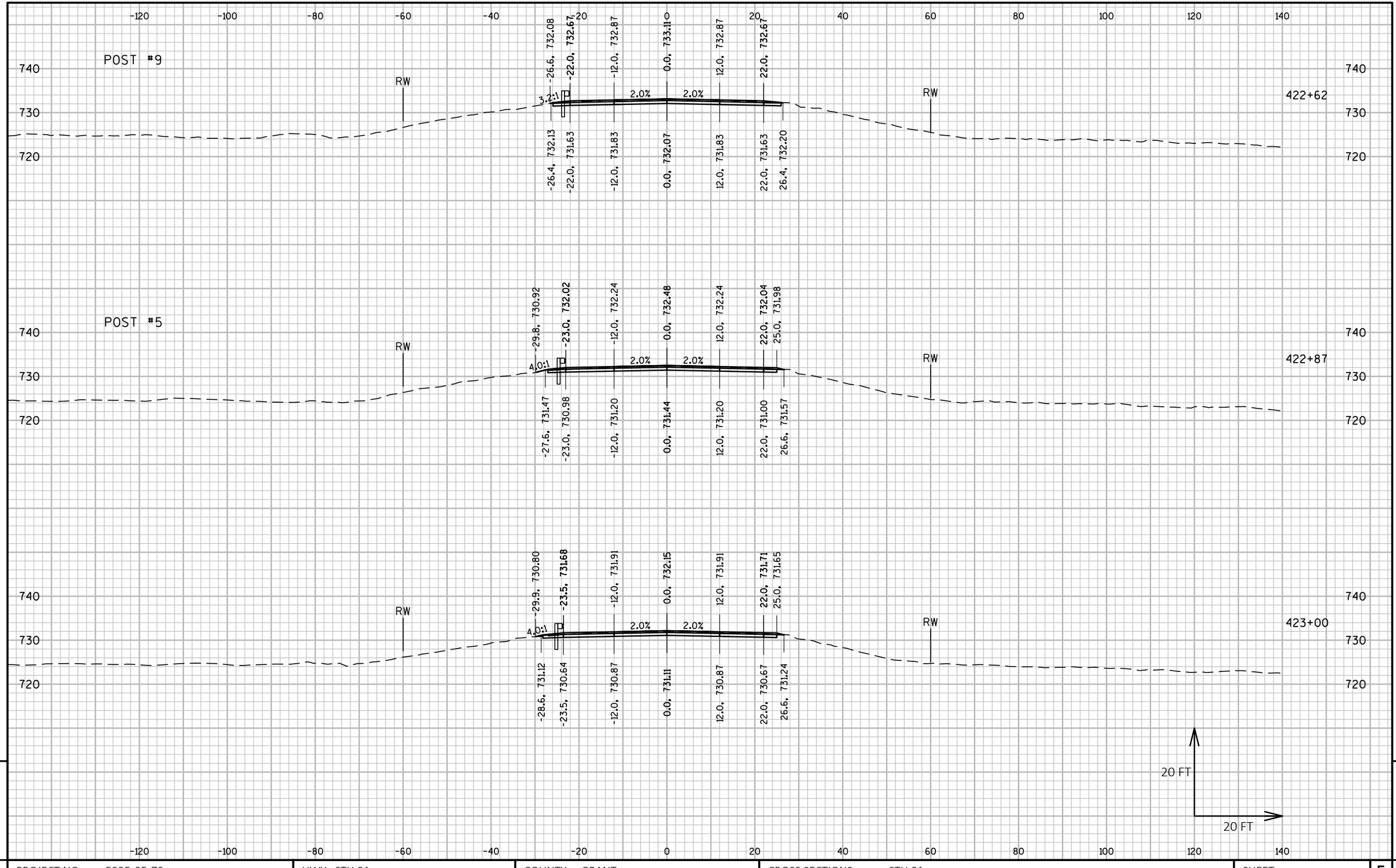
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 69

PLOT DATE : 10/30/2019 7:23 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



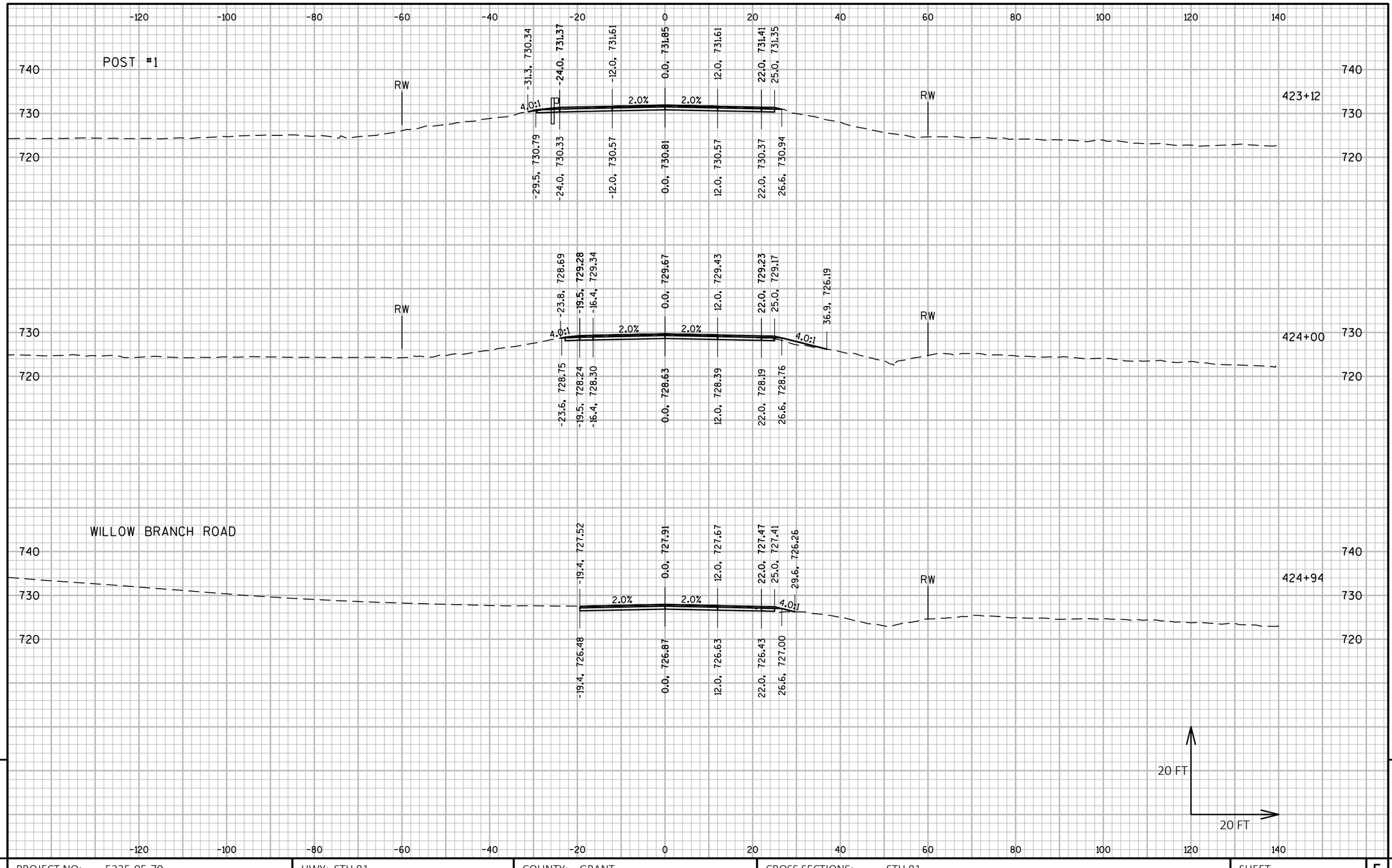
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 70

PLOT DATE : 10/30/2019 7:24 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

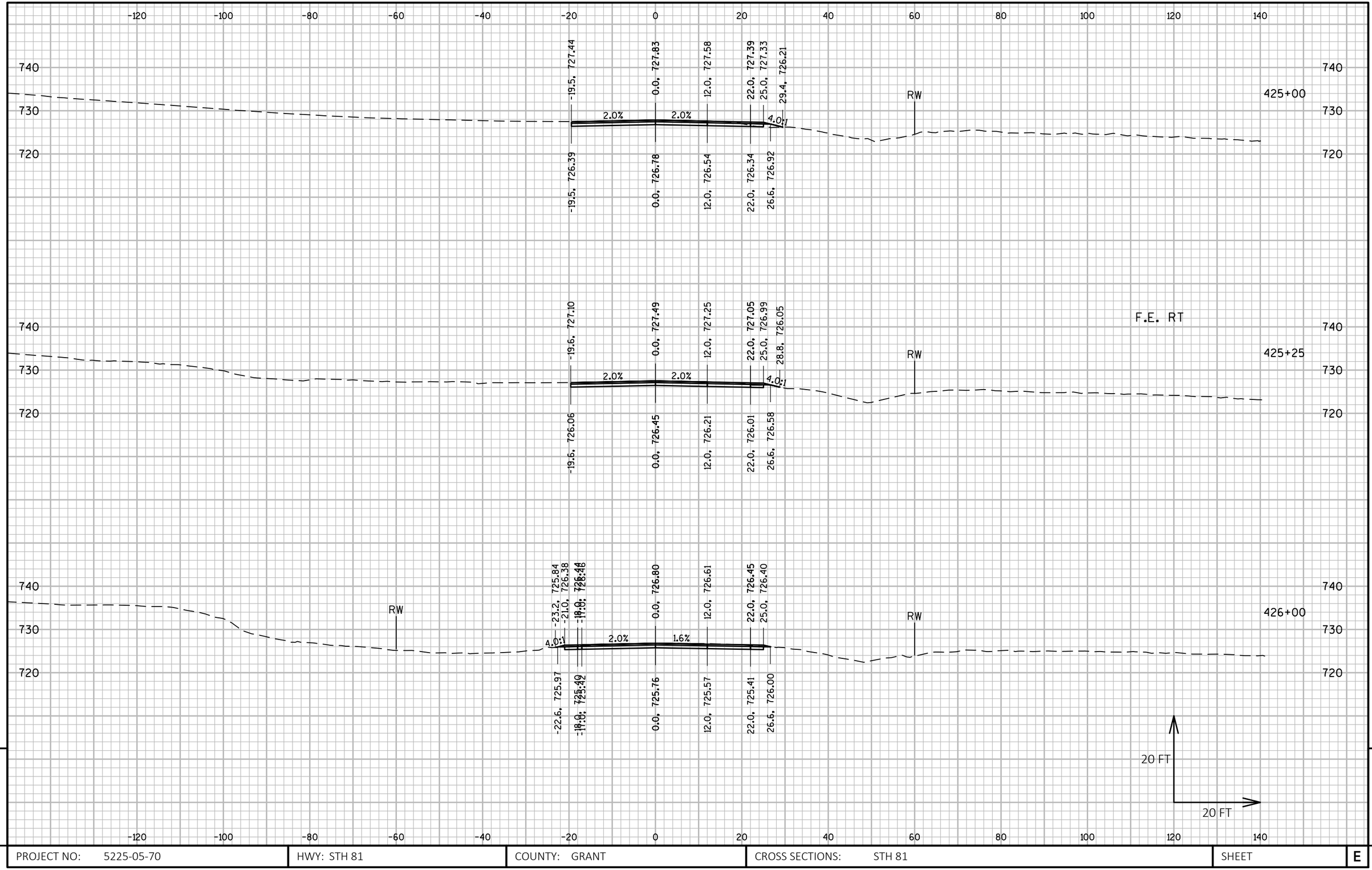
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 71

PLOT DATE : 10/30/2019 7:25 AM PLOT BY : ARBUCKLE, ADRIAN 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: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

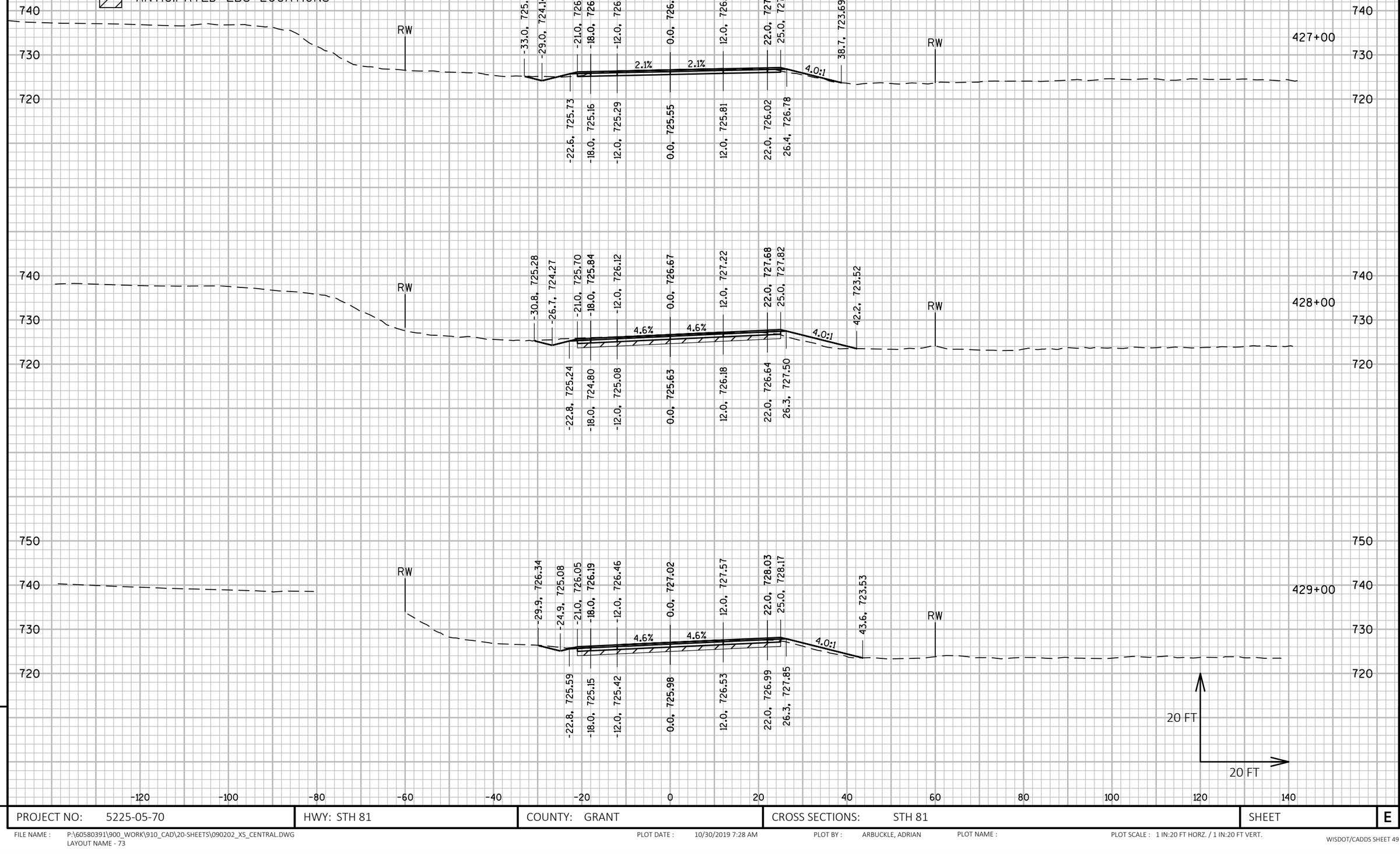
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 72

PLOT DATE : 10/30/2019 7:27 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



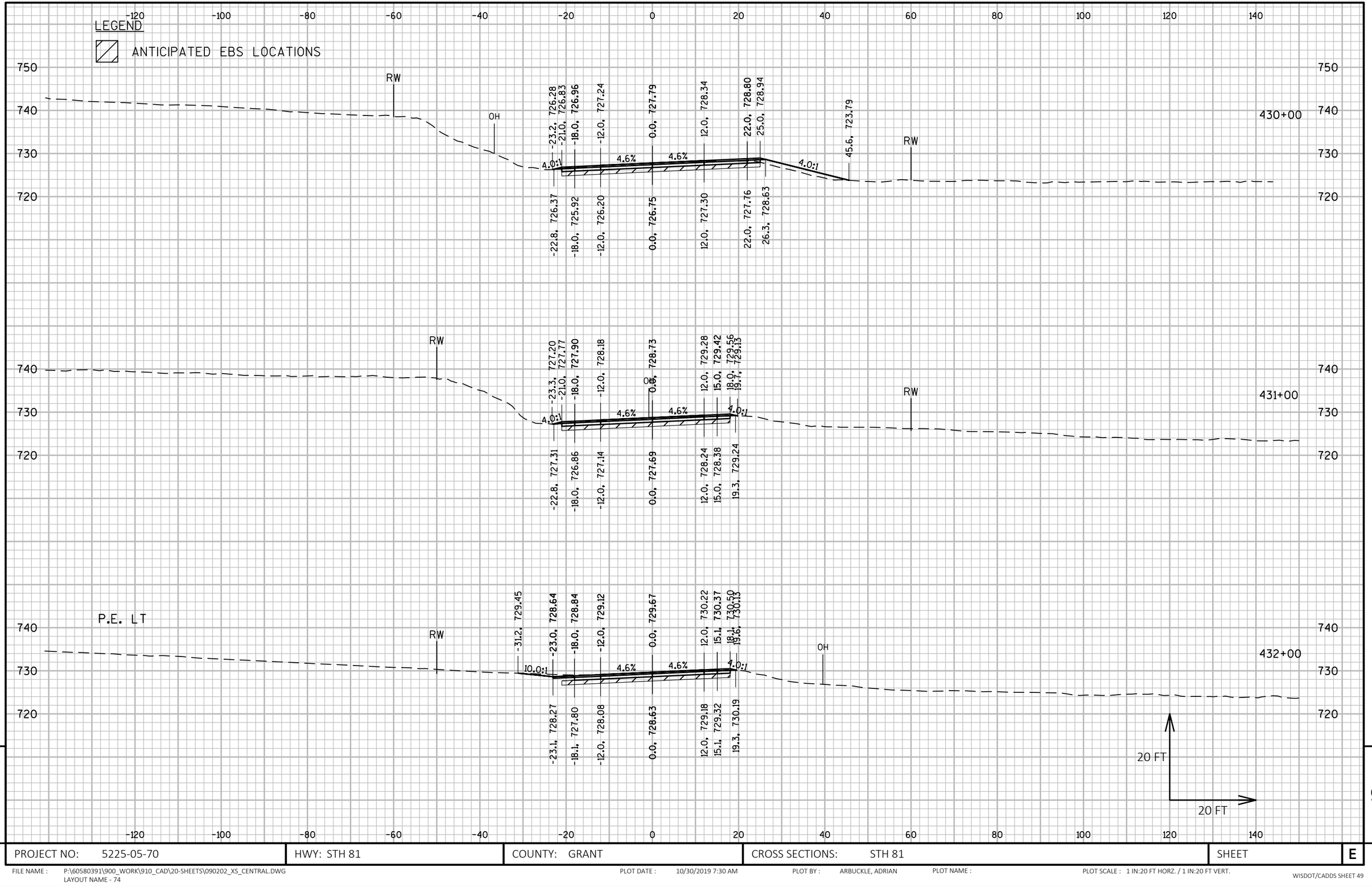
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 73

PLOT DATE : 10/30/2019 7:28 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

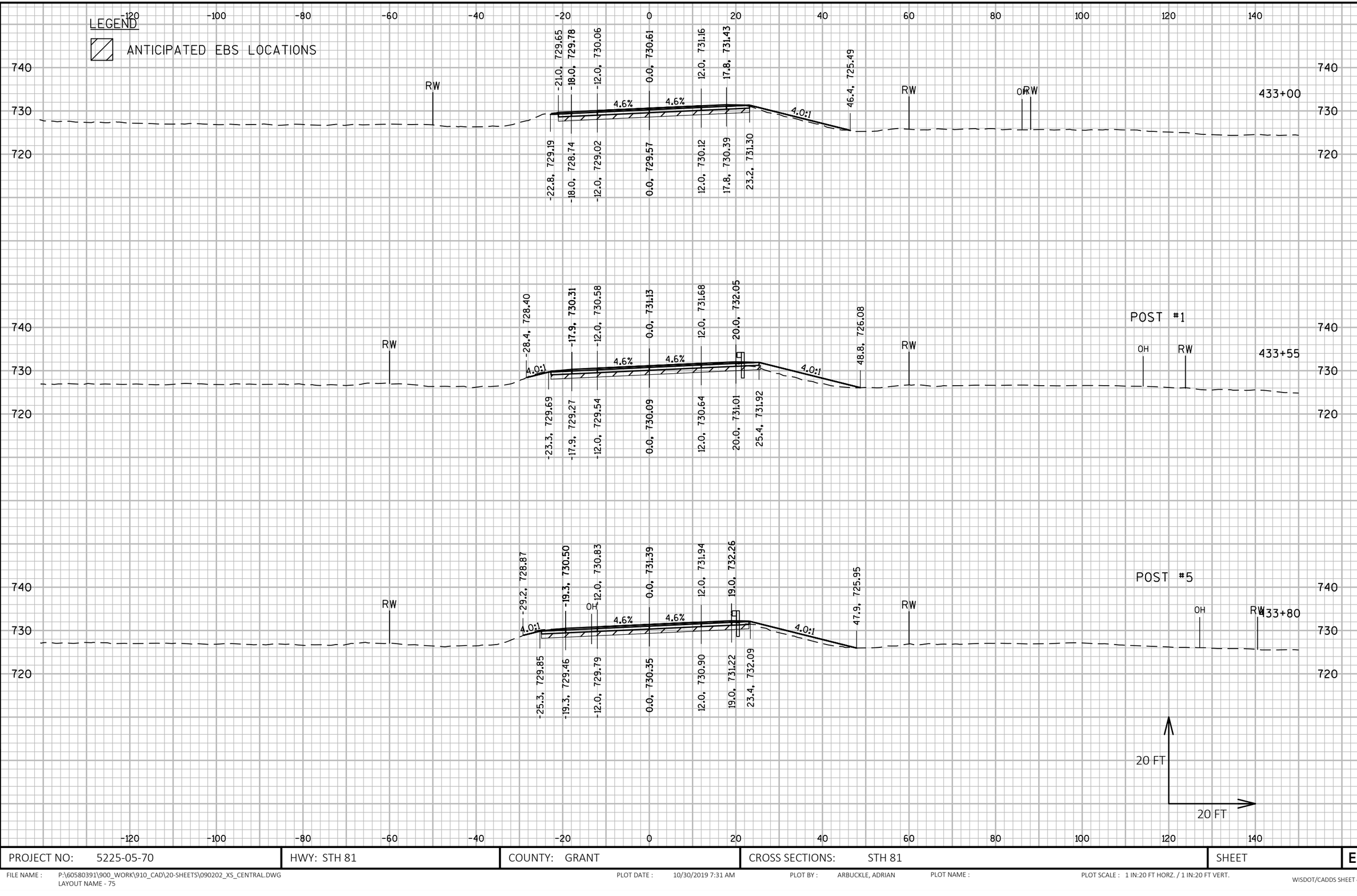
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 74

PLOT DATE : 10/30/2019 7:30 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

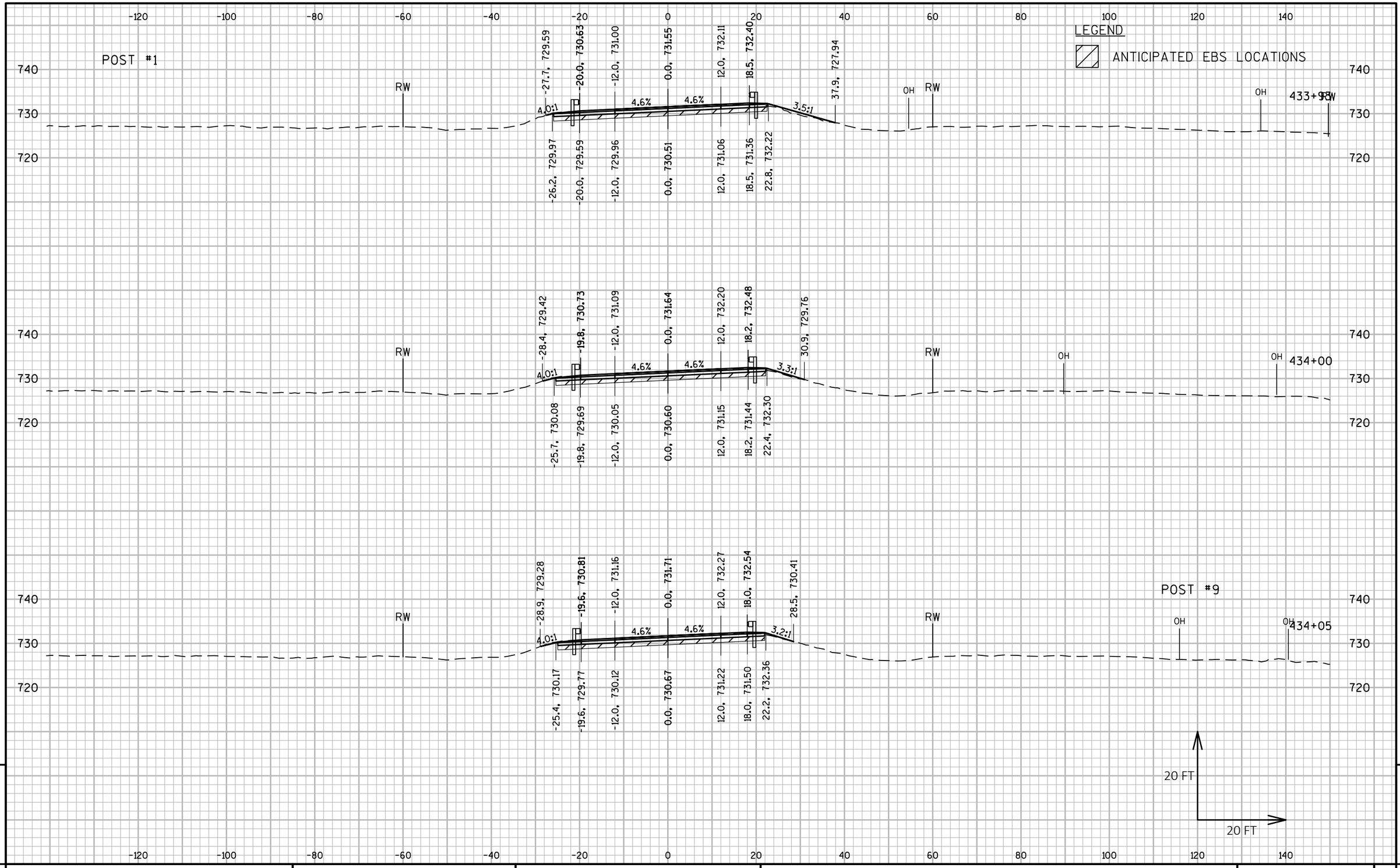
WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



9

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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 76

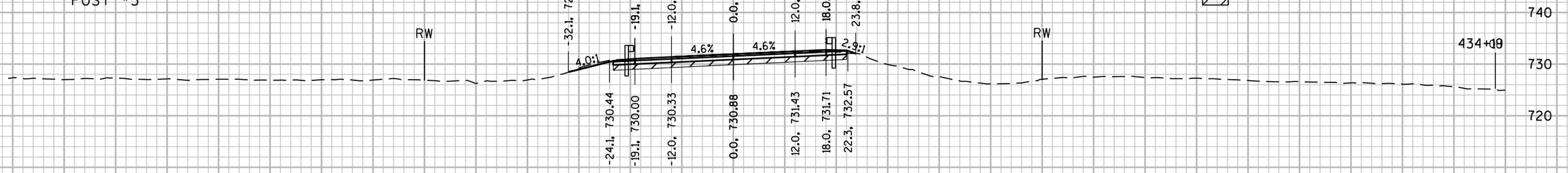
PLOT DATE : 10/30/2019 7:32 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

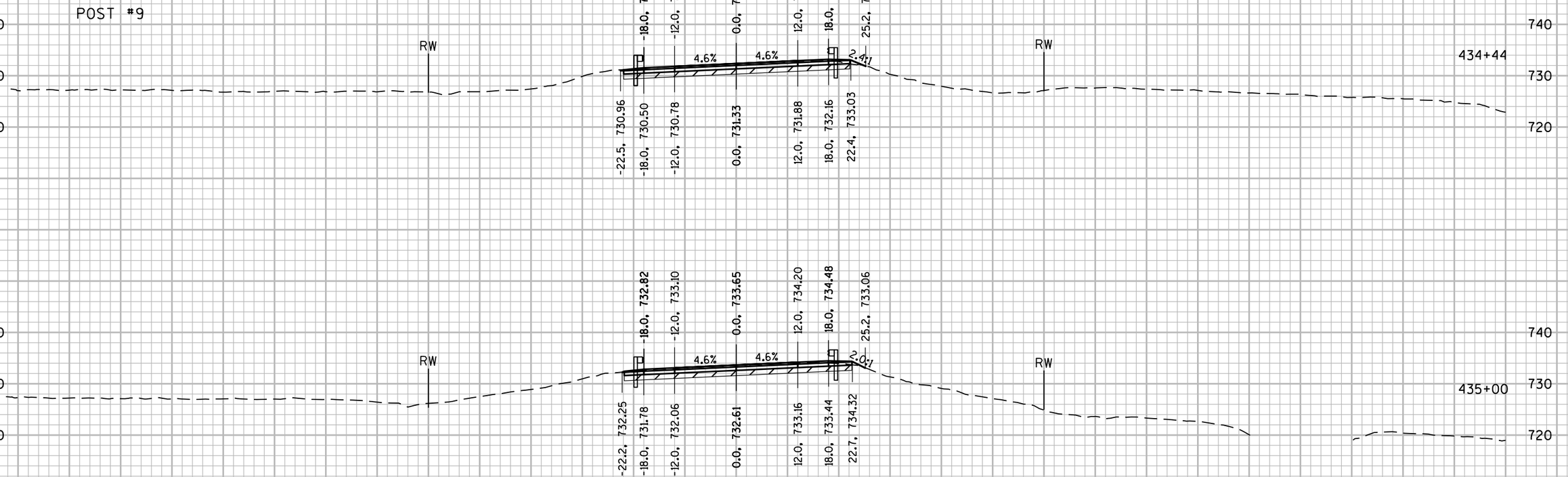
LEGEND

ANTICIPATED EBS LOCATIONS

POST #5



POST #9



9

9

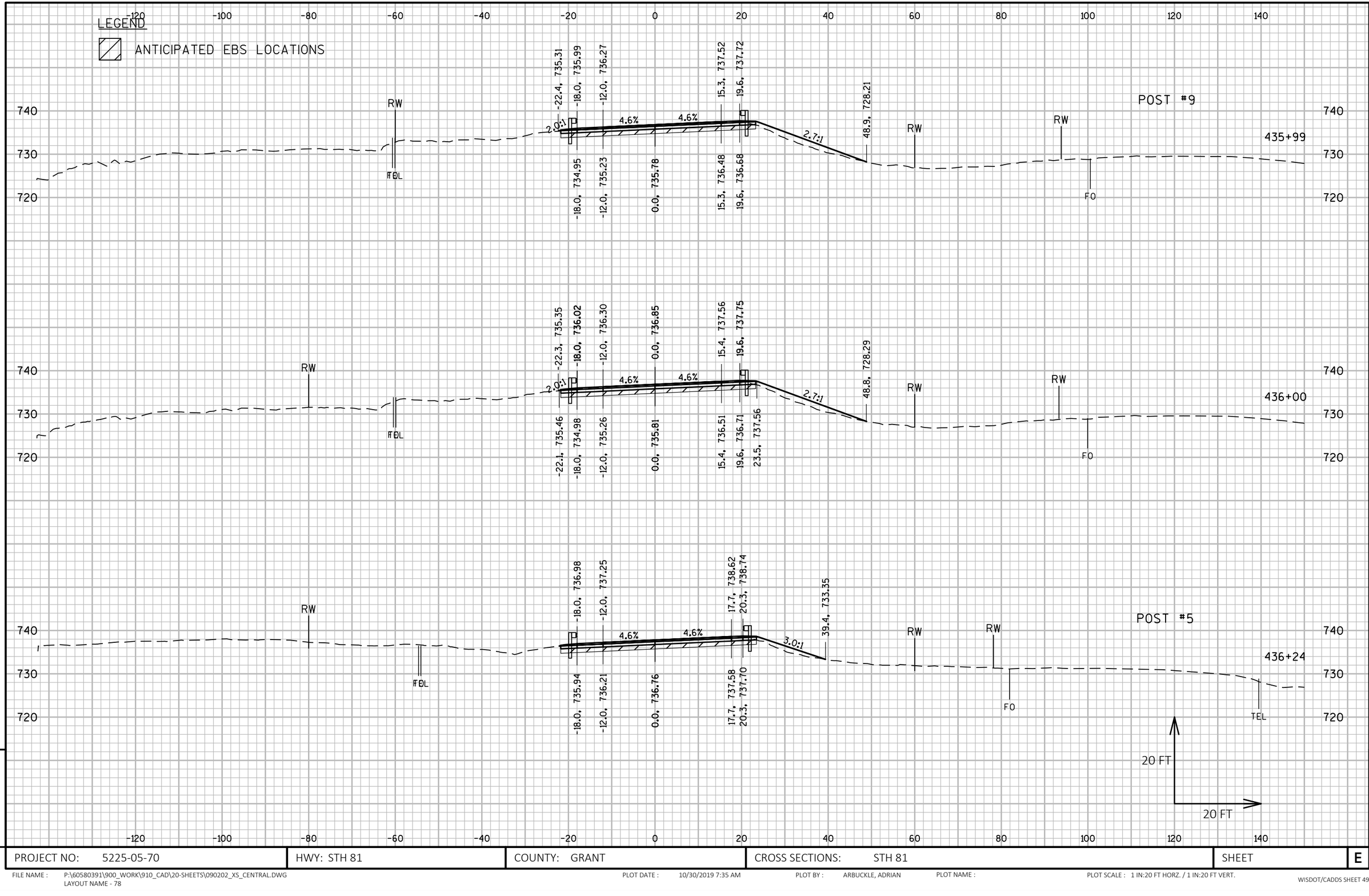
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 77

PLOT DATE : 10/30/2019 7:34 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS



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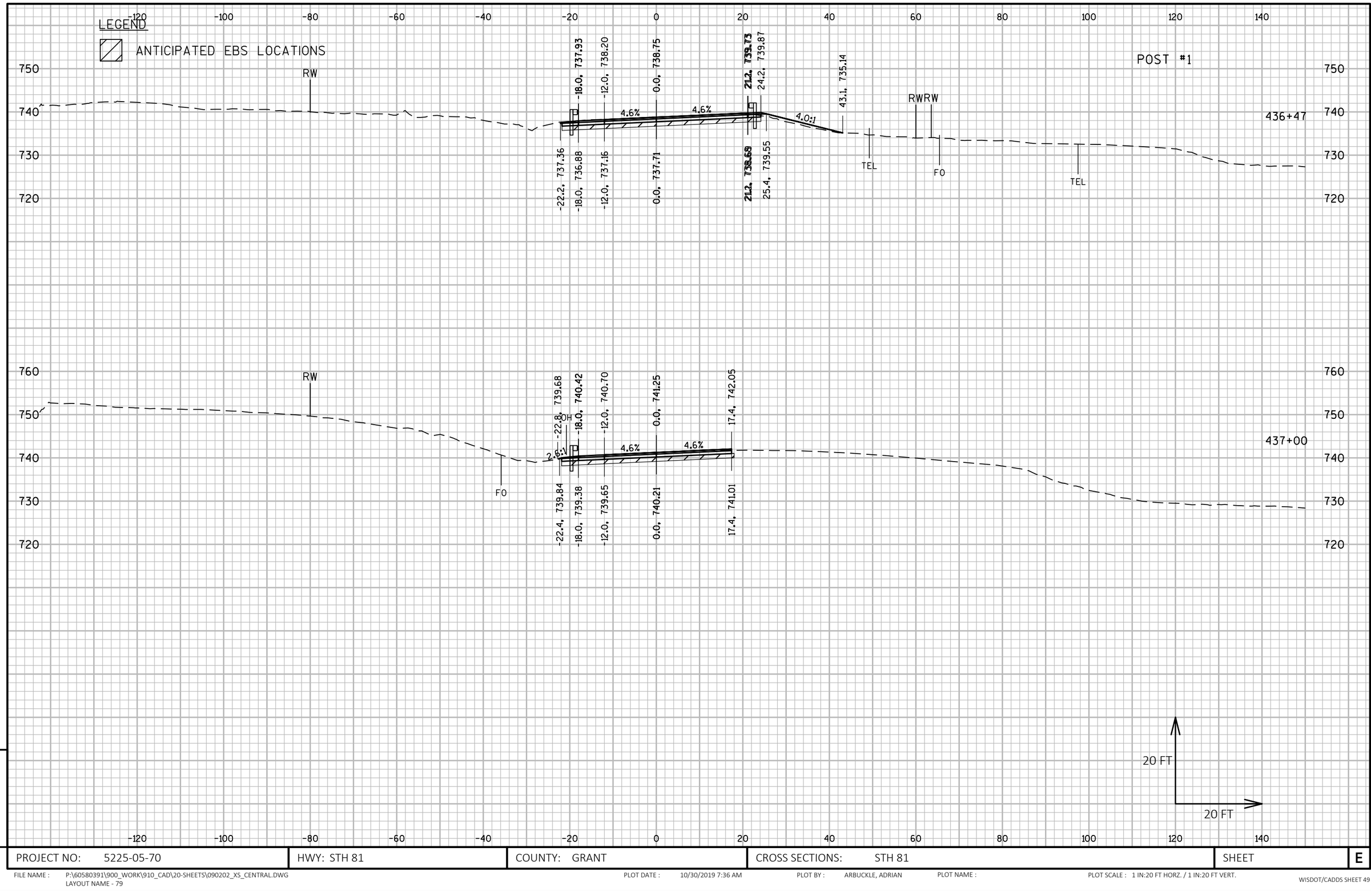
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 78

PLOT DATE : 10/30/2019 7:35 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS

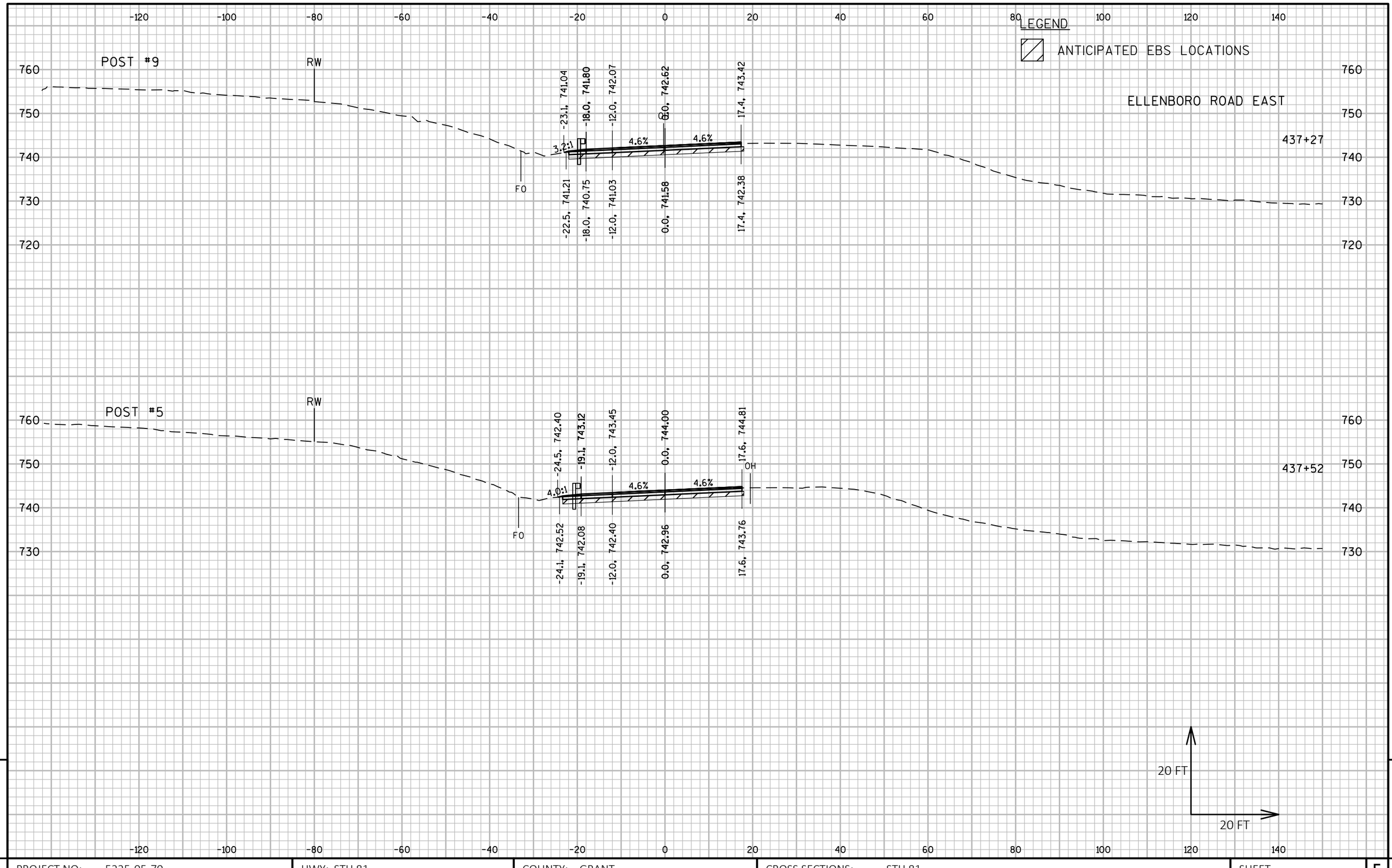


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 79

PLOT DATE : 10/30/2019 7:36 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

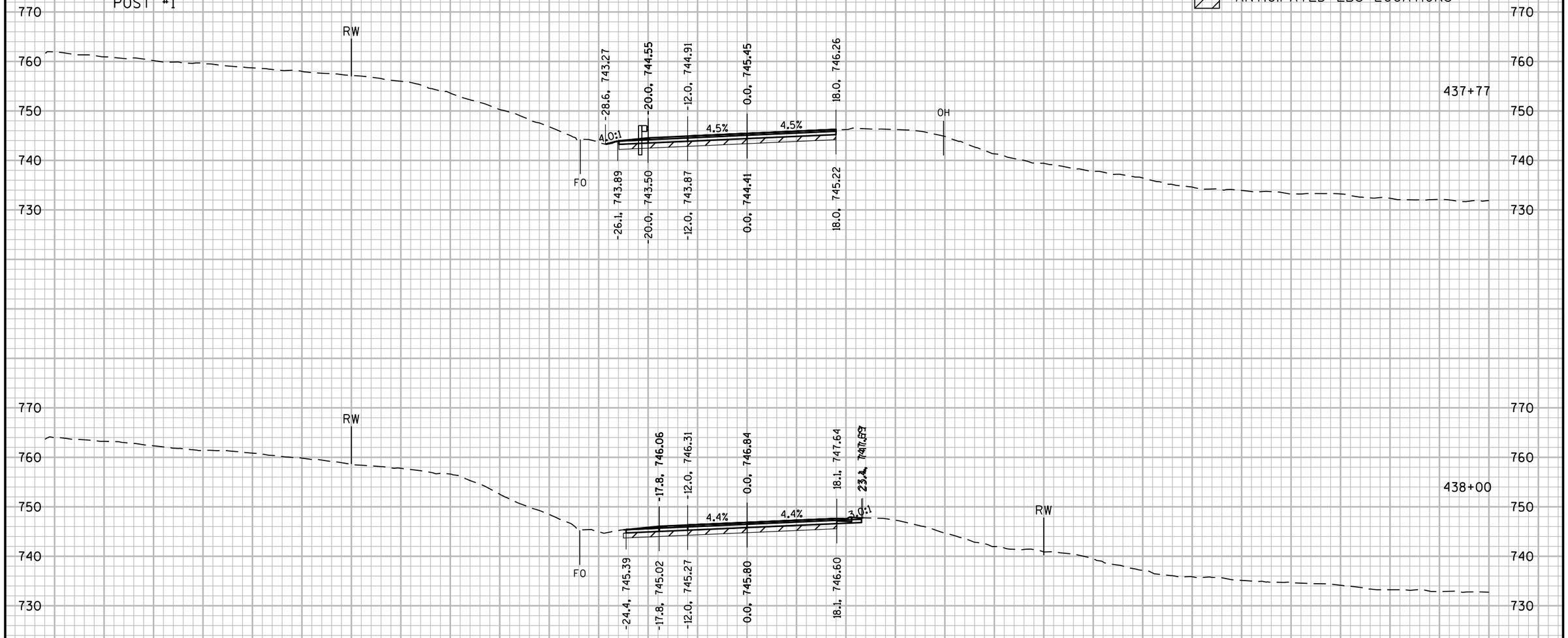
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 80

PLOT DATE : 10/30/2019 7:37 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS

POST #1



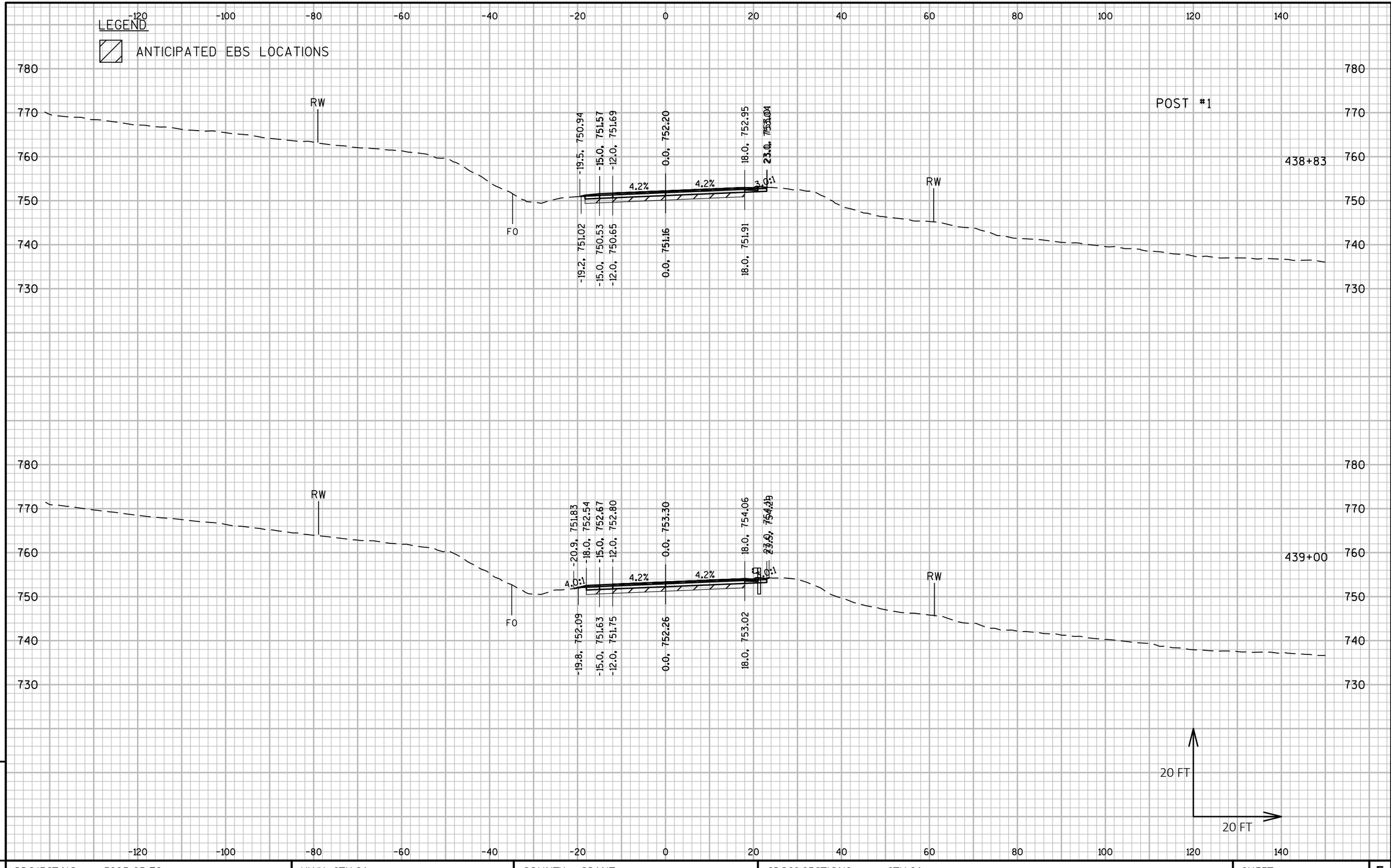
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 81

PLOT DATE : 10/30/2019 7:39 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

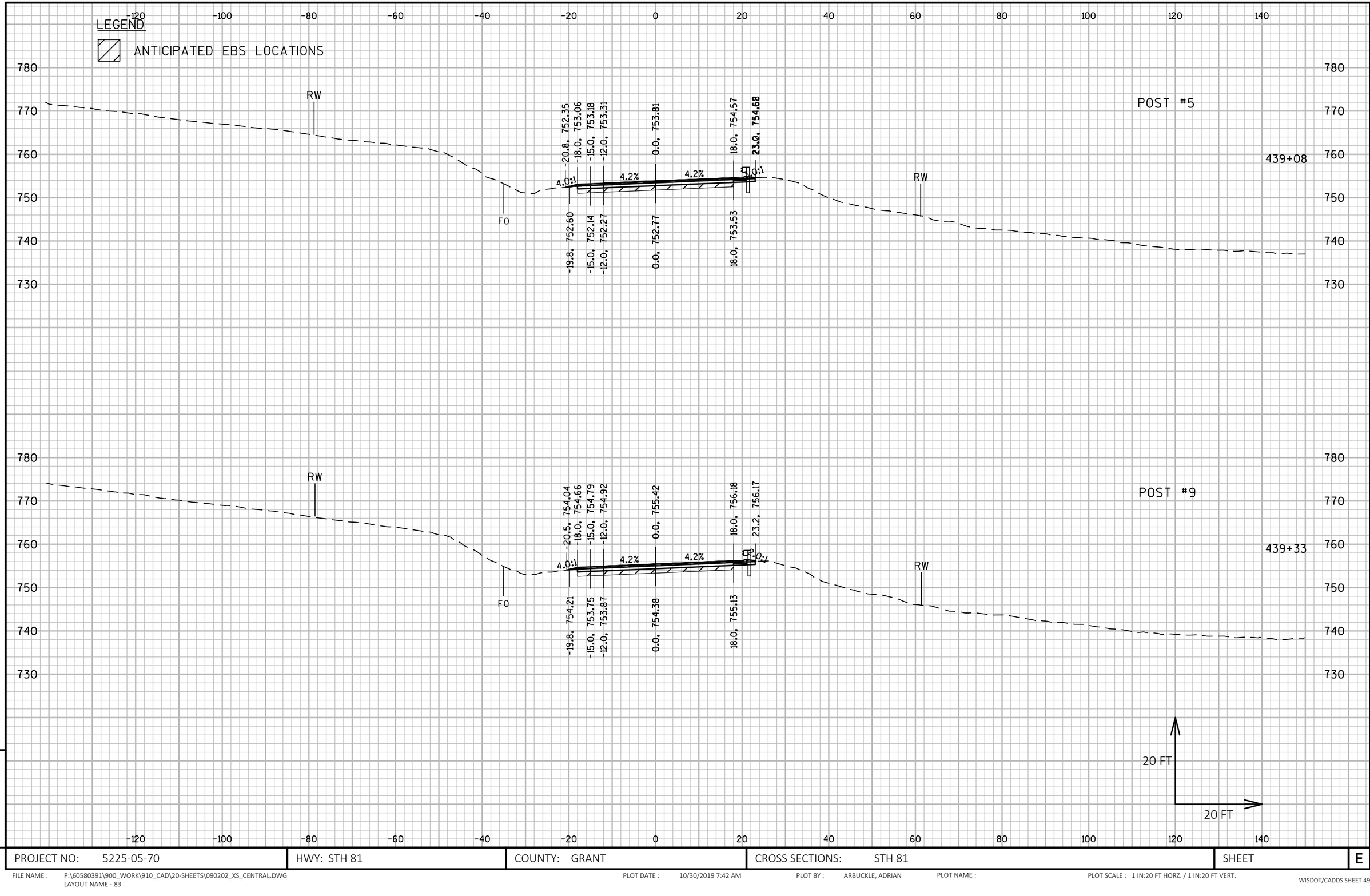
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

ANTICIPATED EBS LOCATIONS



9 9

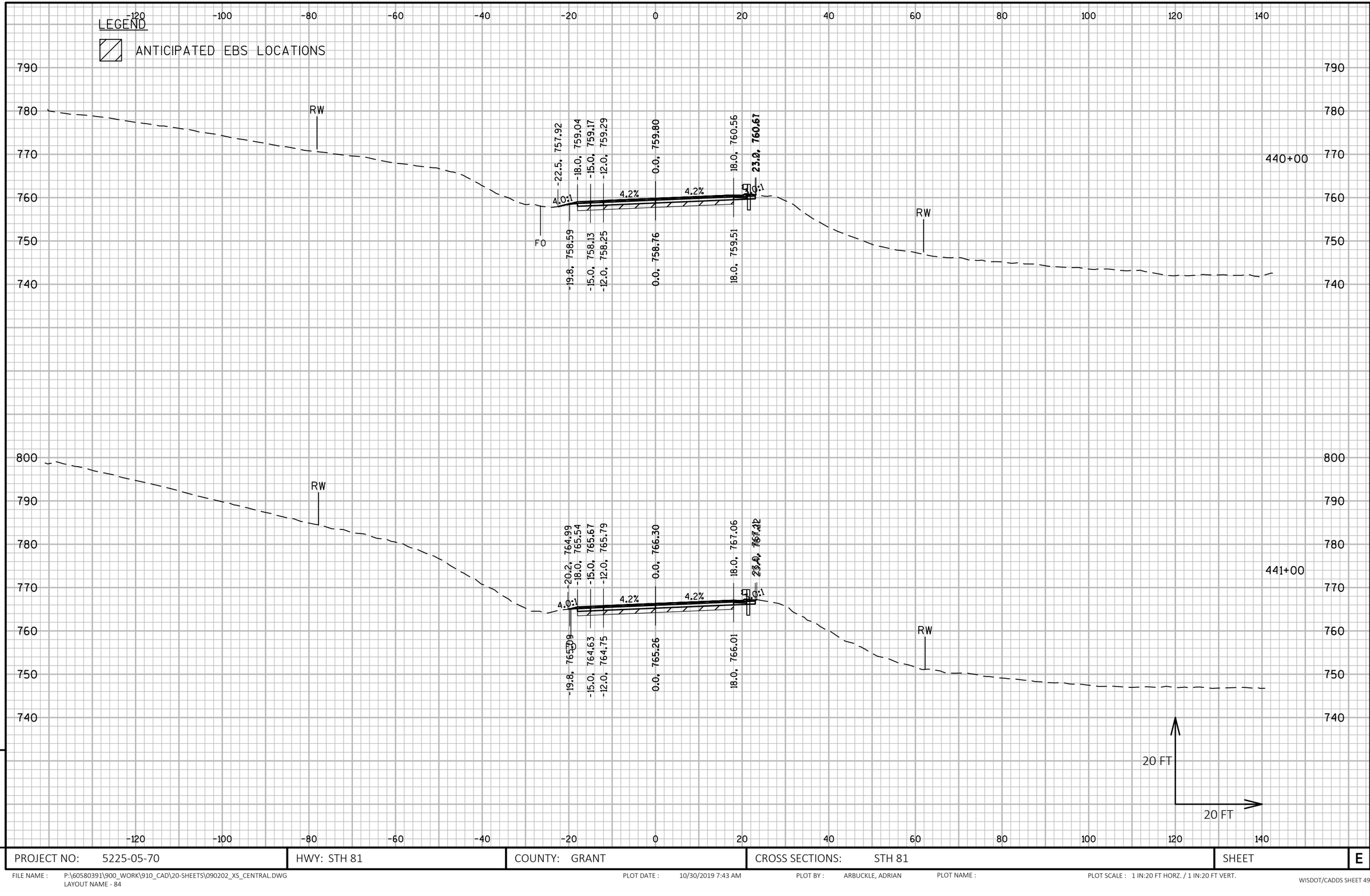
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 83

PLOT DATE : 10/30/2019 7:42 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

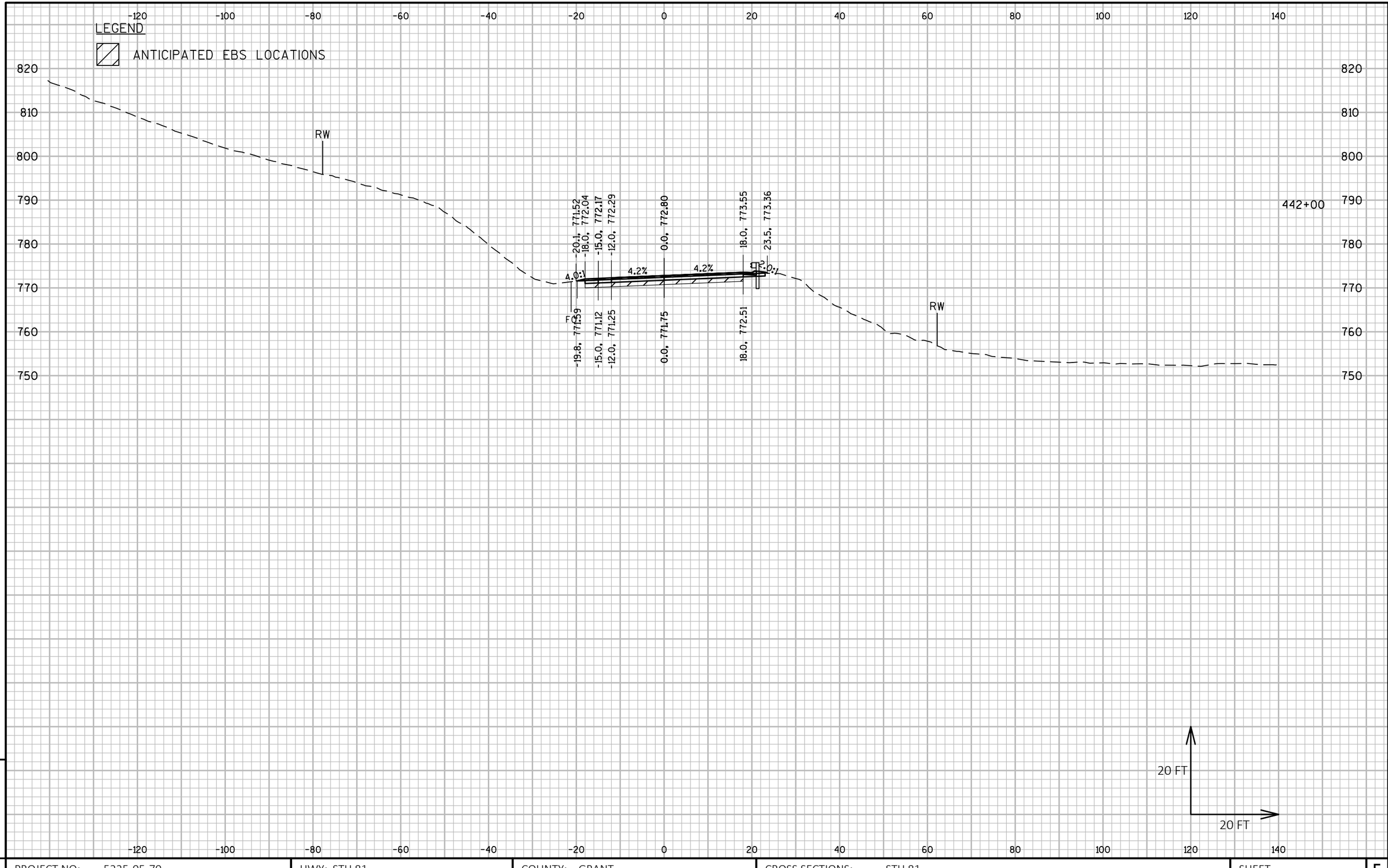
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

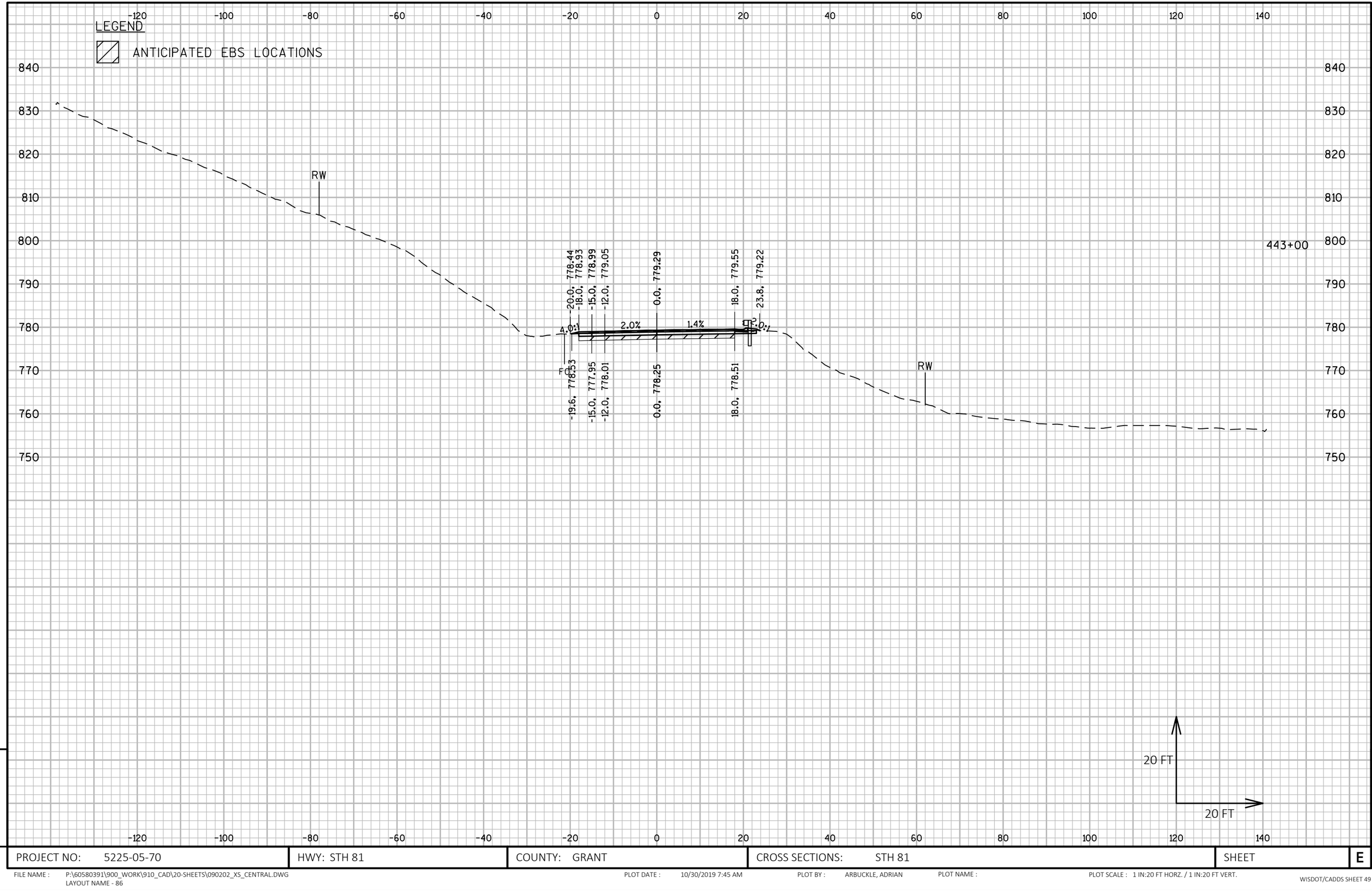
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 85

PLOT DATE : 10/30/2019 7:44 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 86

PLOT DATE : 10/30/2019 7:45 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS

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

840 830 820 810 800 790 780 770 760 750

RW

-18.0, 785.43
-15.0, 785.49
-12.0, 785.55
0.0, 785.79
19.1, 785.41
24.1, 785.35
2.0%
2.0%
10:1
FO
-19.6, 785.03
-15.0, 784.45
-12.0, 784.51
0.0, 784.75
19.1, 784.37

444+00

RW

20 FT
20 FT

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 87

PLOT DATE : 10/30/2019 7:47 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS

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

850 840 830 820 810 800 790 780 770 760

RW

-20.1, 791.58
-18.0, 792.10
-15.0, 792.13
-12.0, 792.16
0.0, 792.29
20.5, 791.88
25.6, 791.93

4.0:1 1.1% 2.0% 4.0:1

FF 791.71
-19.6, 791.71
-15.0, 791.09
-12.0, 791.12
0.0, 791.25
20.5, 790.84

RW

445+00

20 FT
20 FT

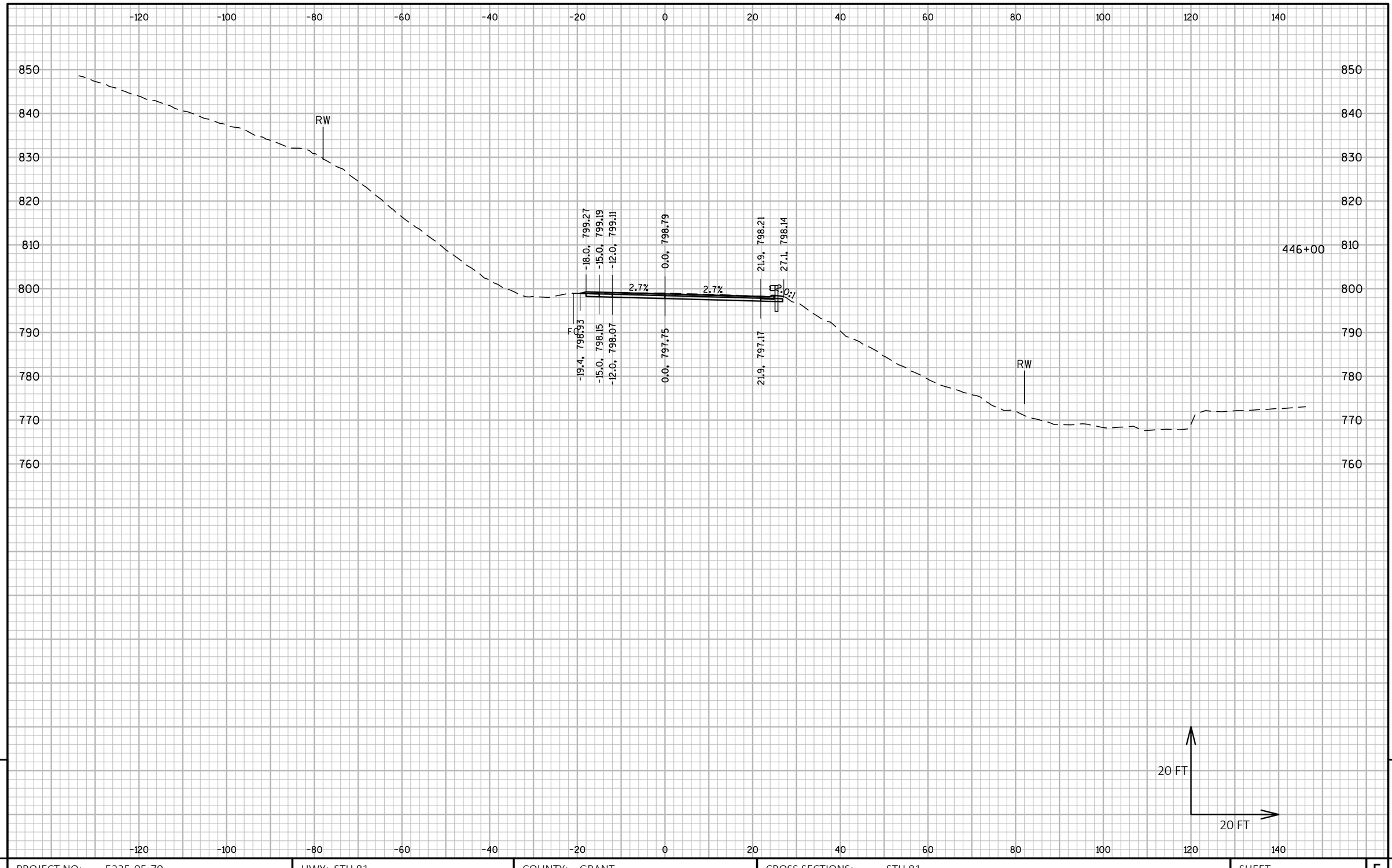
-120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 88

PLOT DATE : 10/30/2019 7:48 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

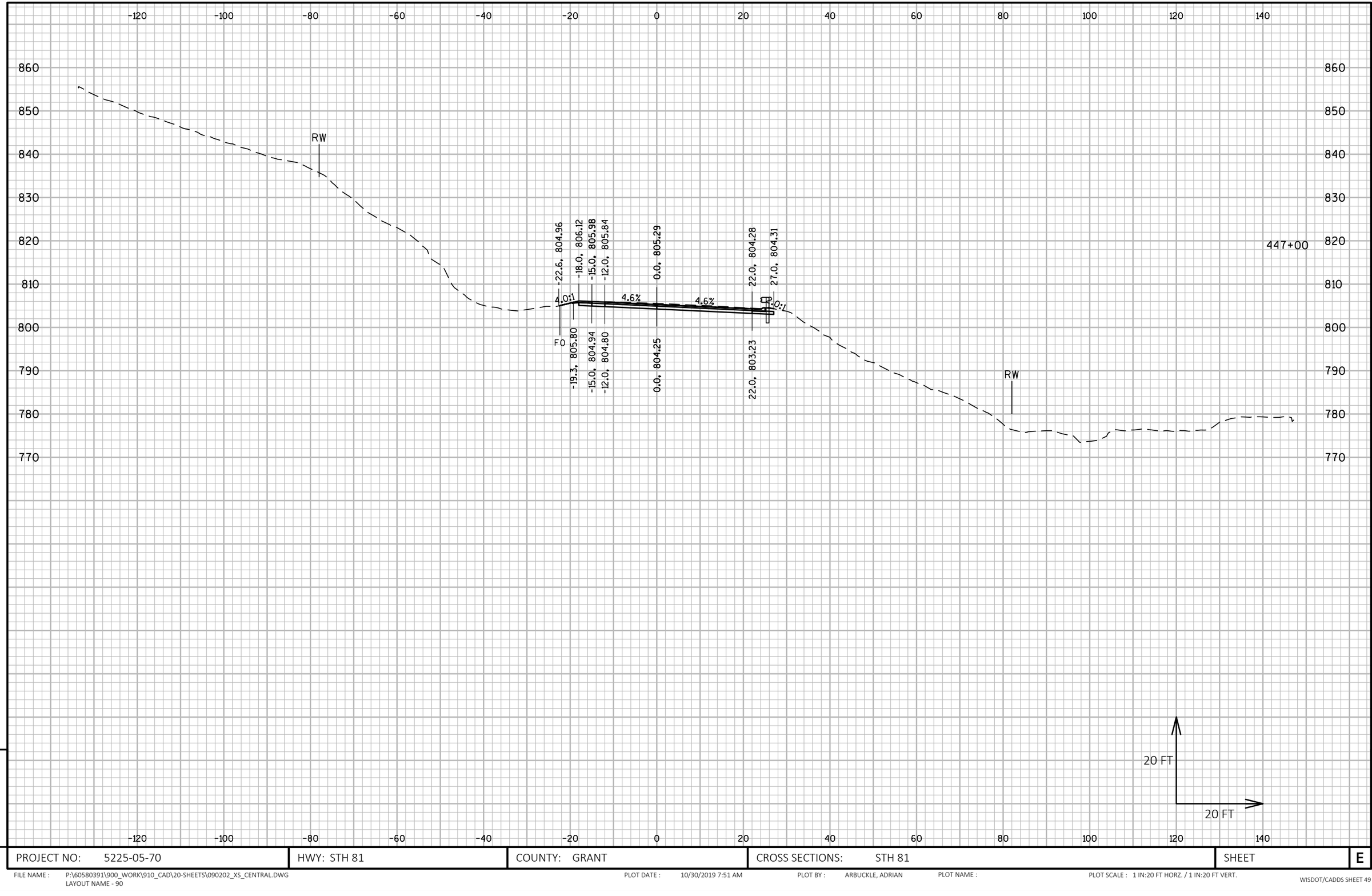


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 89

PLOT DATE : 10/30/2019 7:49 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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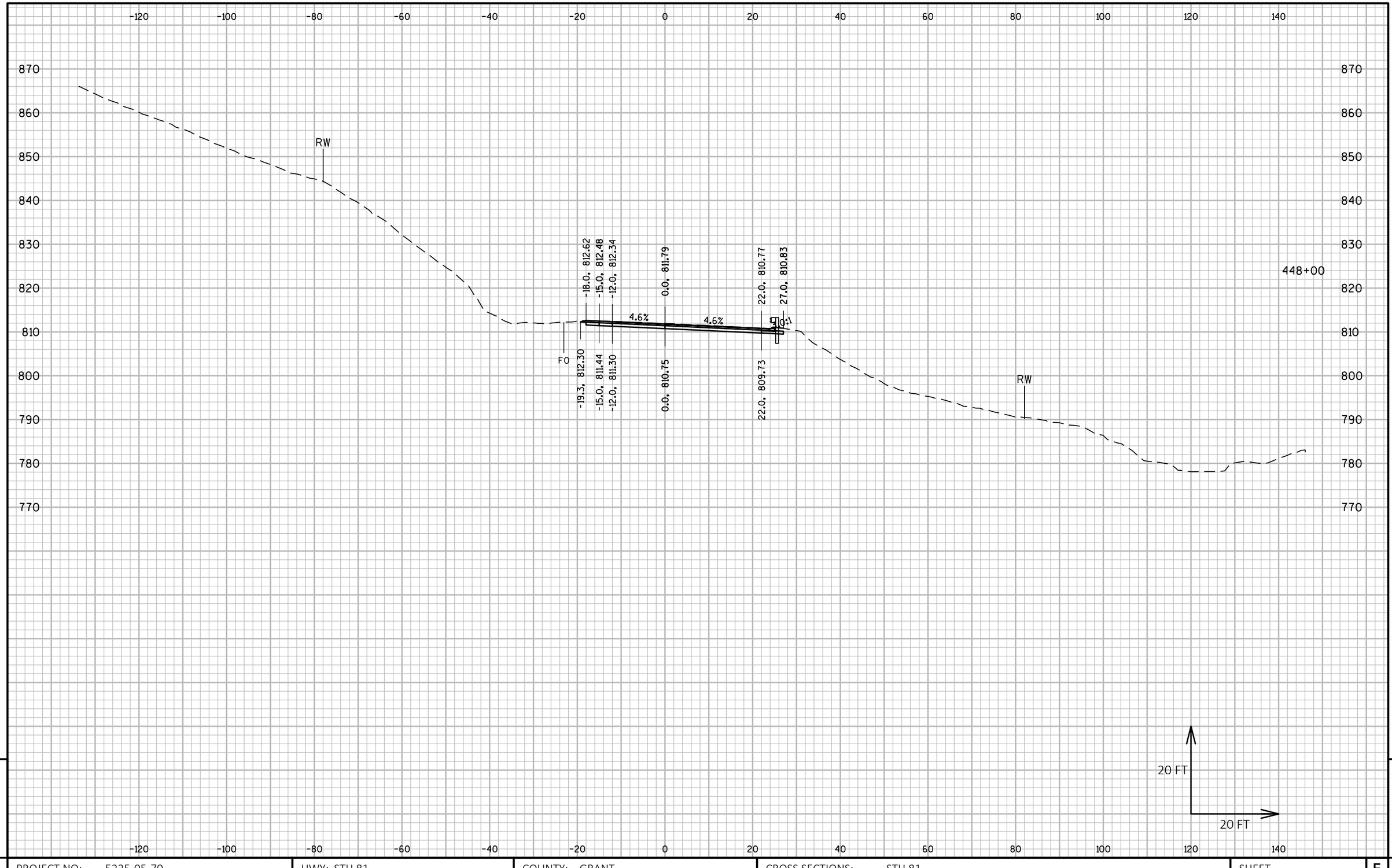
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 90

PLOT DATE : 10/30/2019 7:51 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



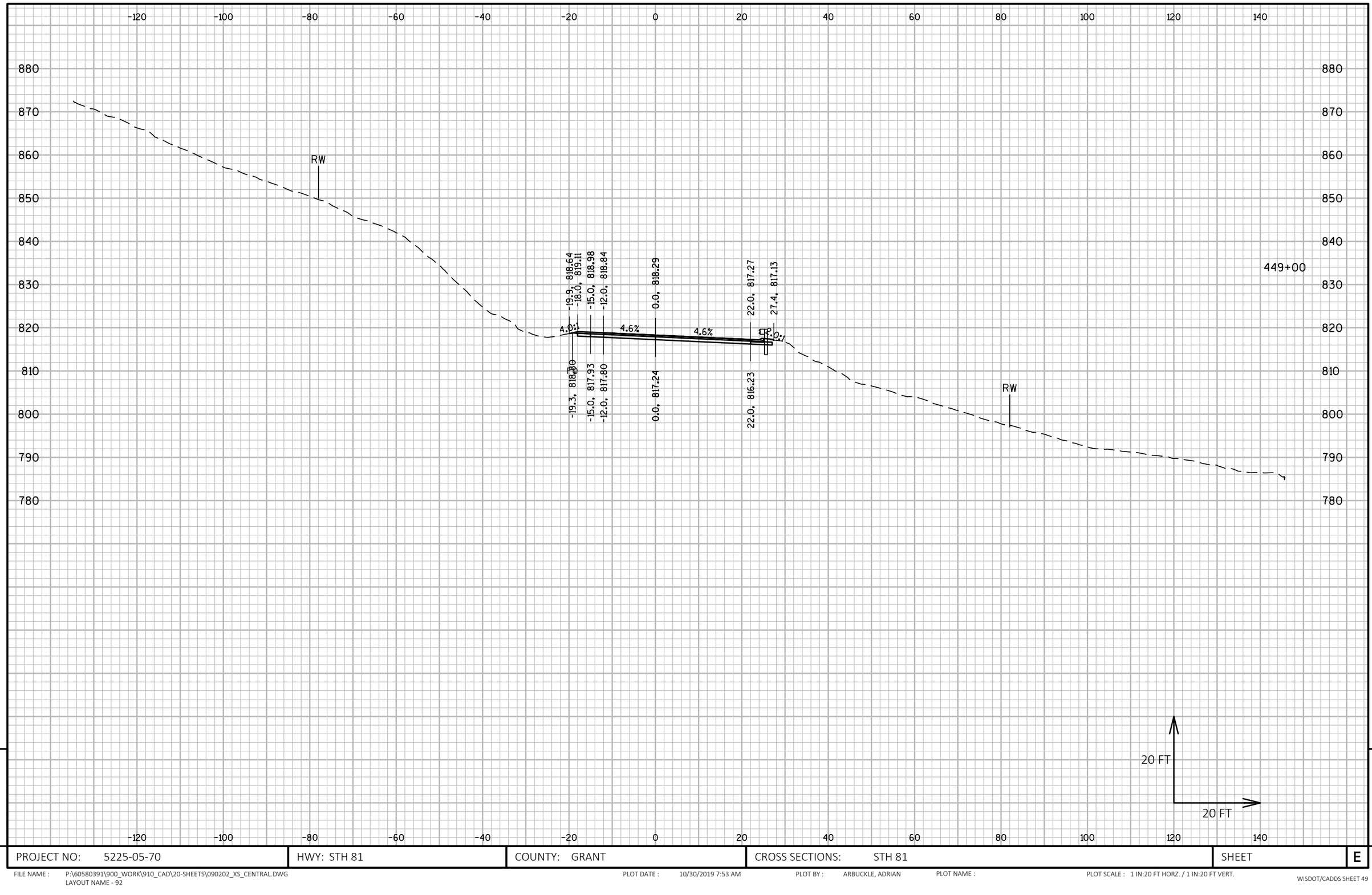
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 91

PLOT DATE : 10/30/2019 7:52 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

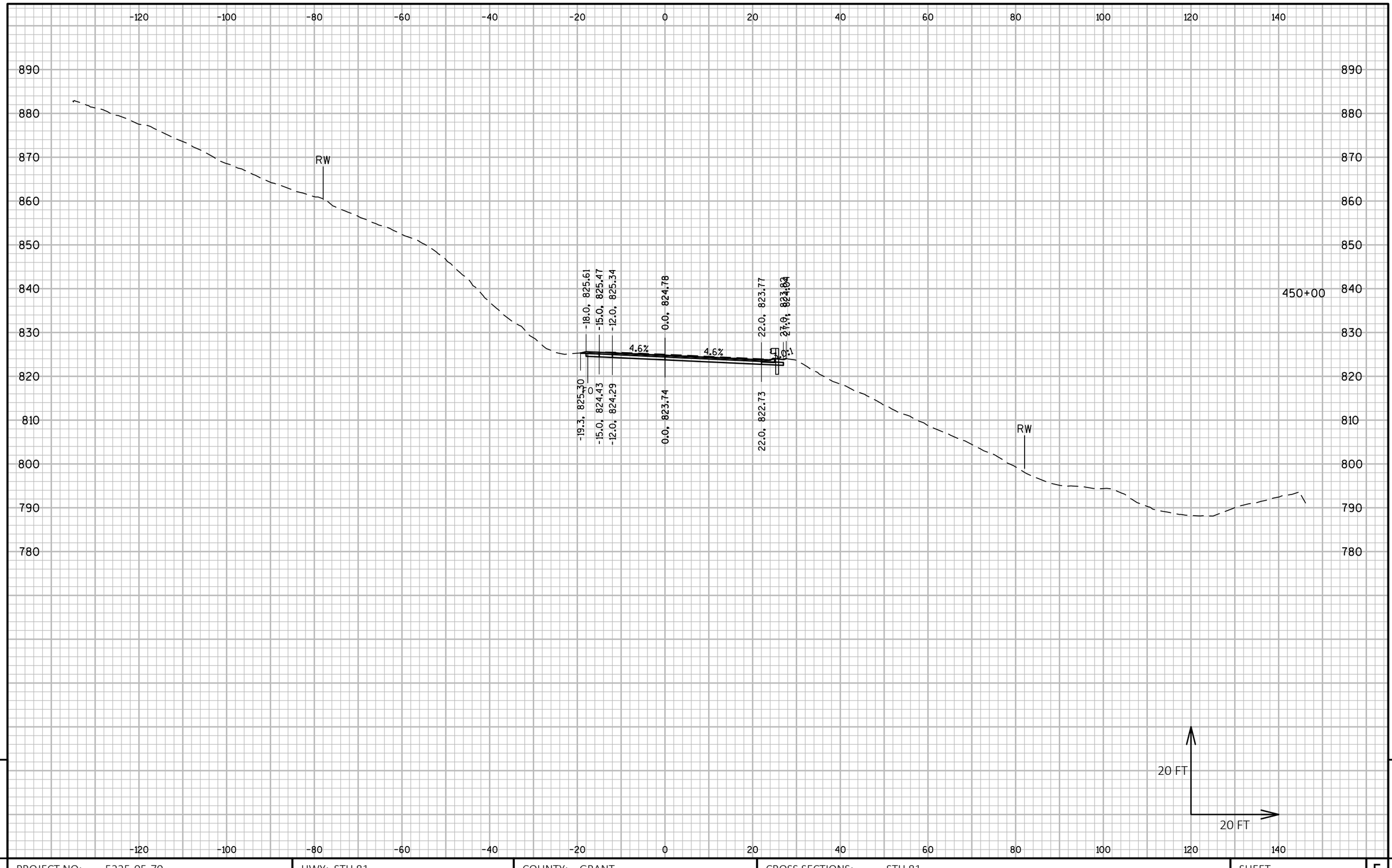


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 92

PLOT DATE : 10/30/2019 7:53 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

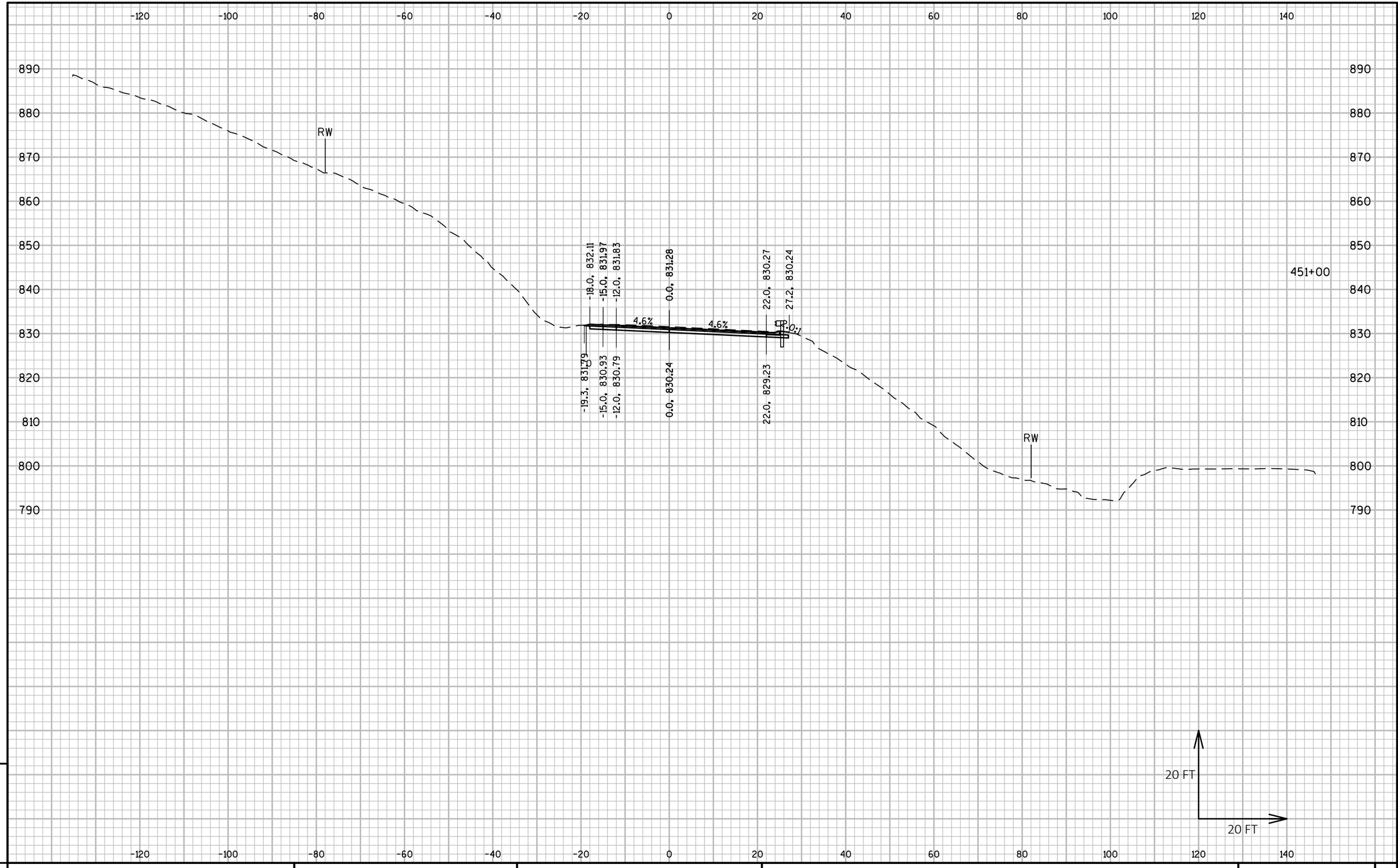


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 93

PLOT DATE : 10/30/2019 7:54 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

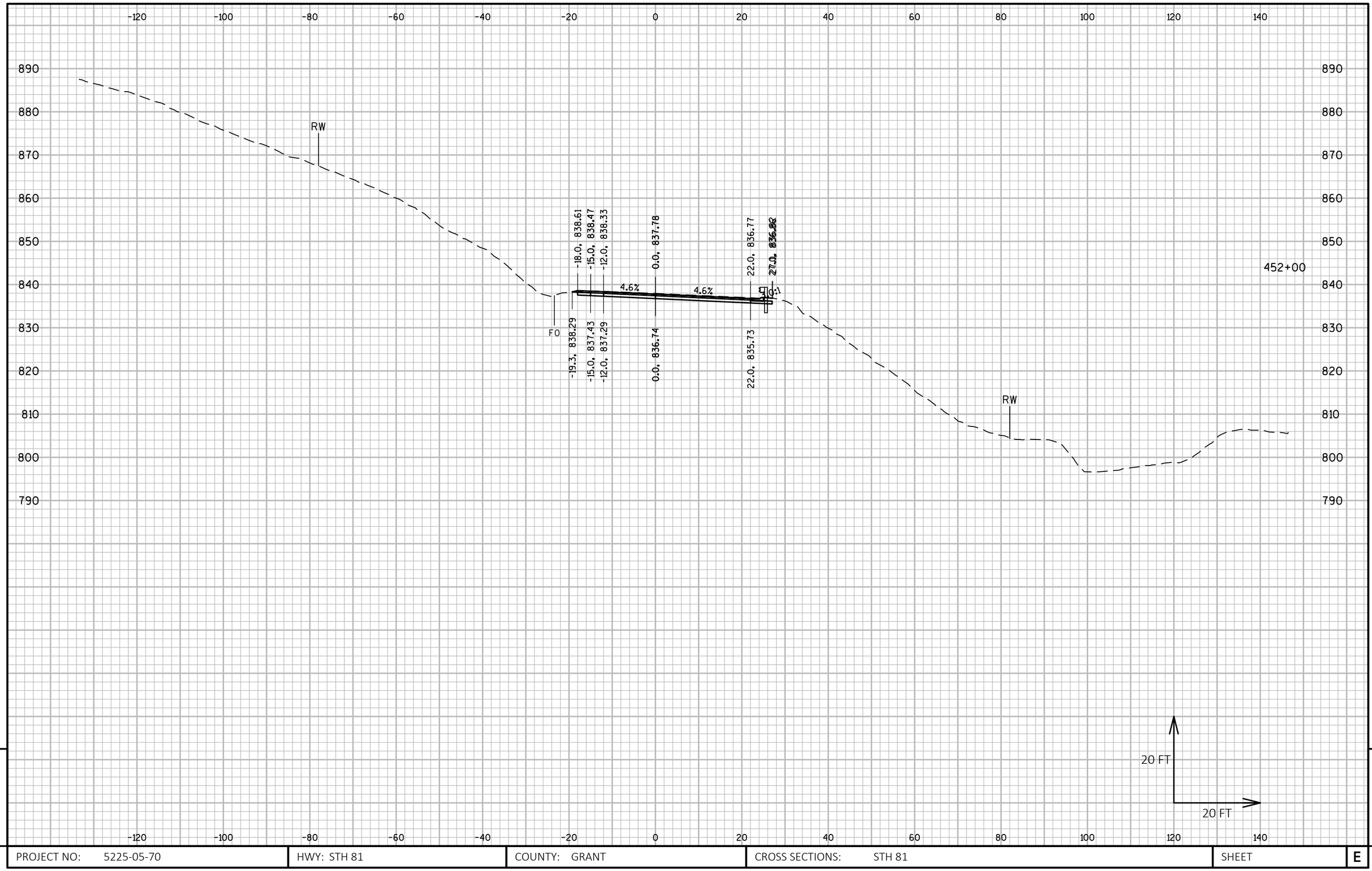


9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

9

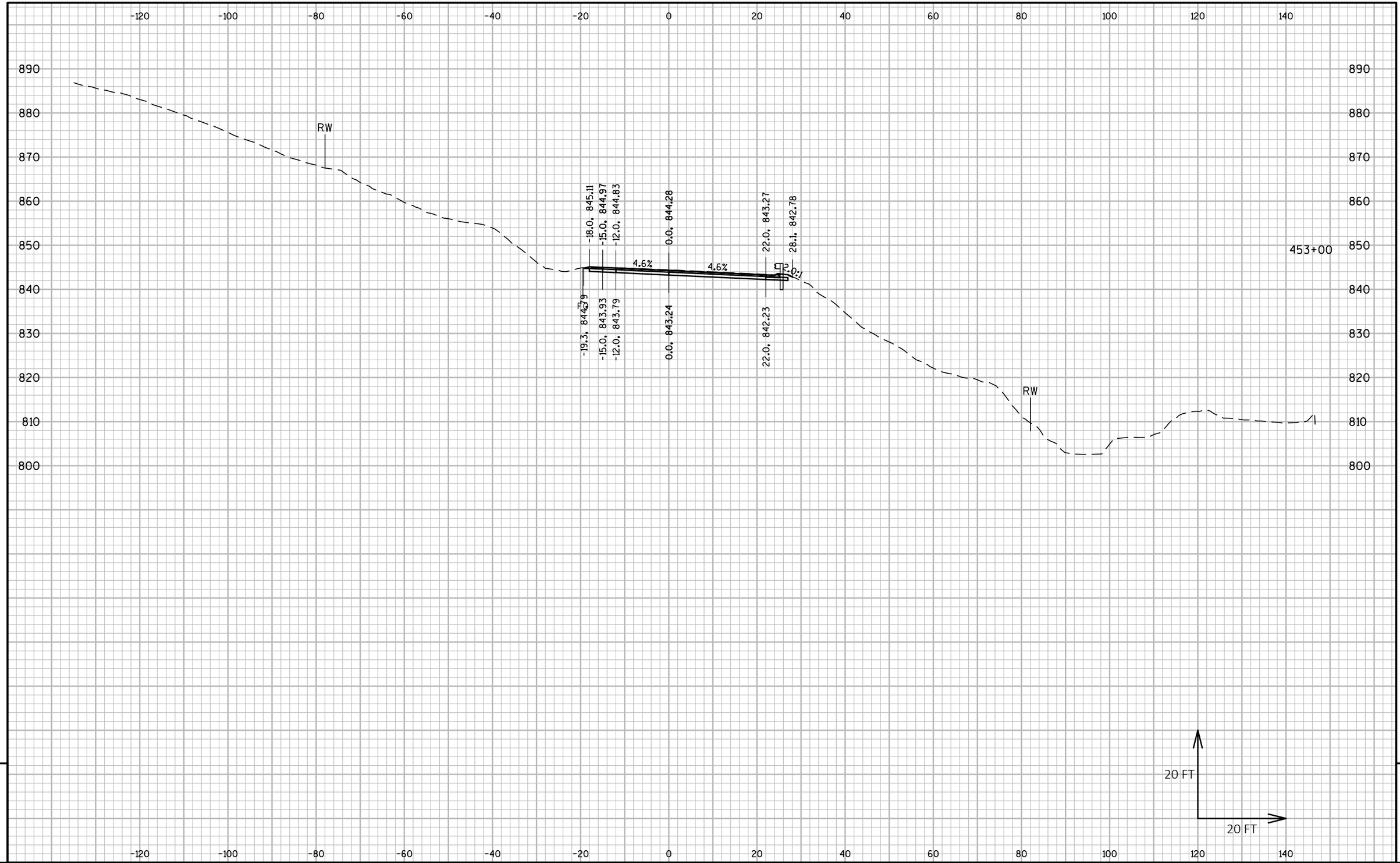
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 94
PLOT DATE : 10/30/2019 7:56 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 95

PLOT DATE : 10/30/2019 7:57 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

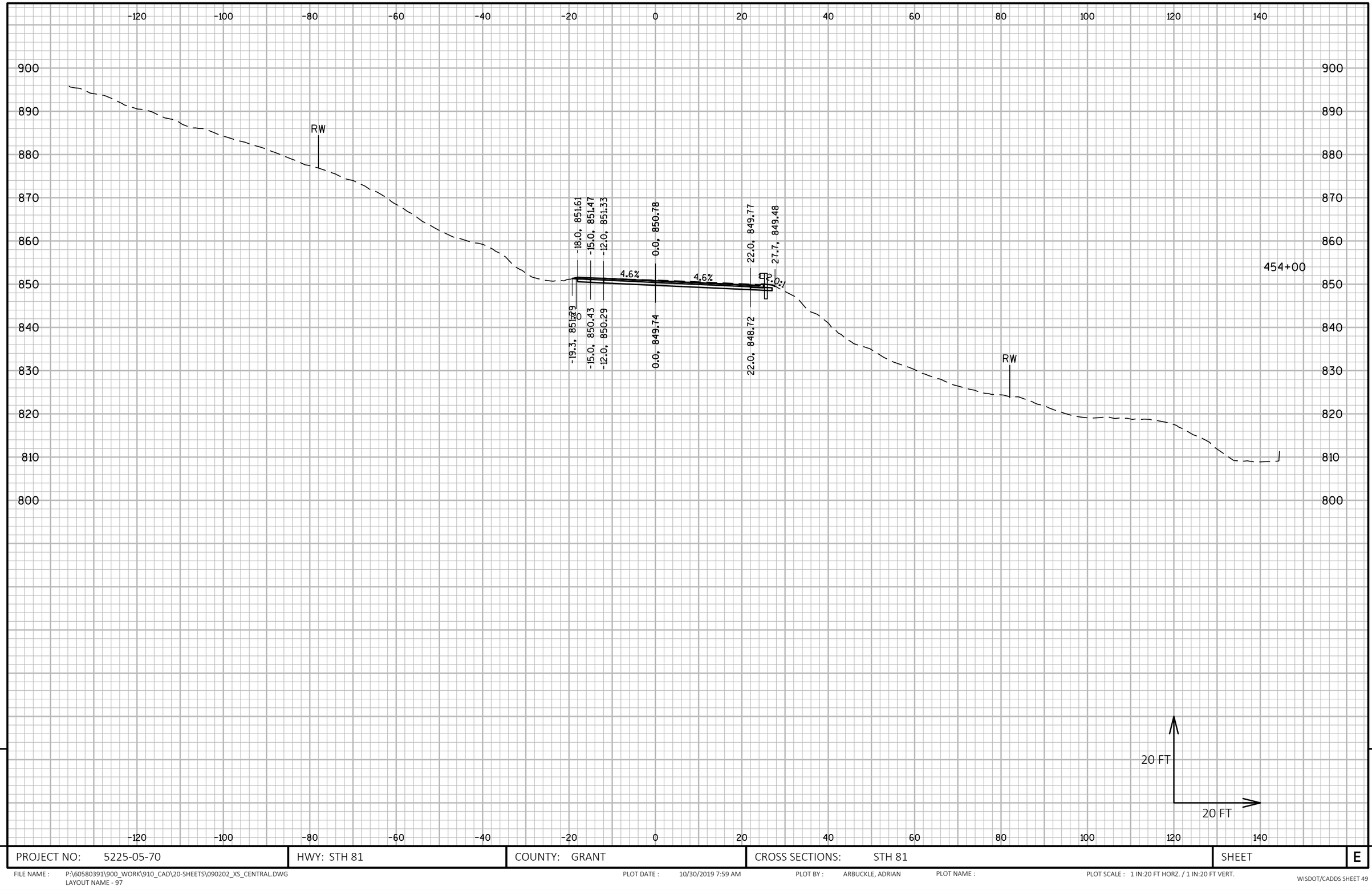
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 96

PLOT DATE : 10/30/2019 7:58 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



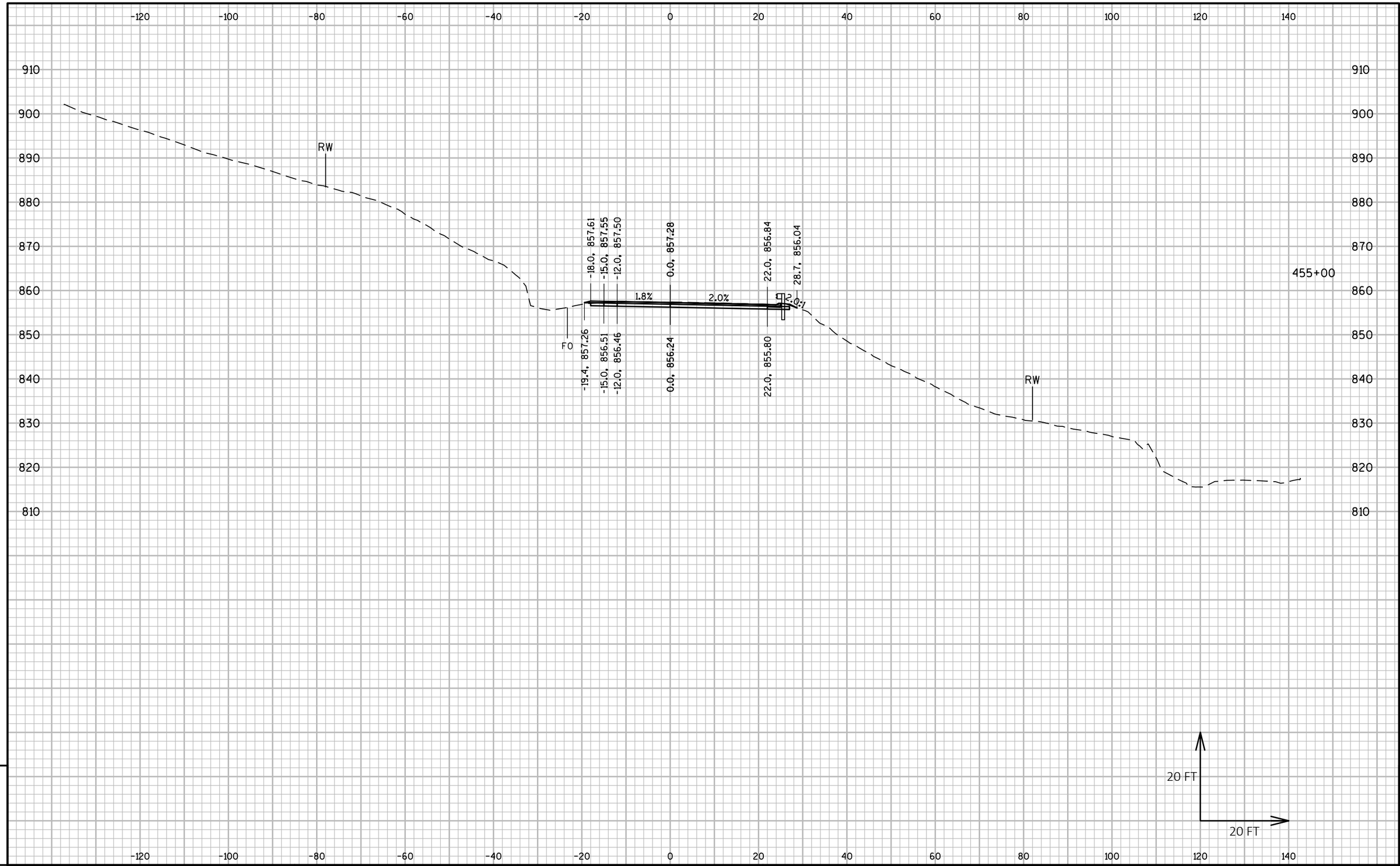
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 97

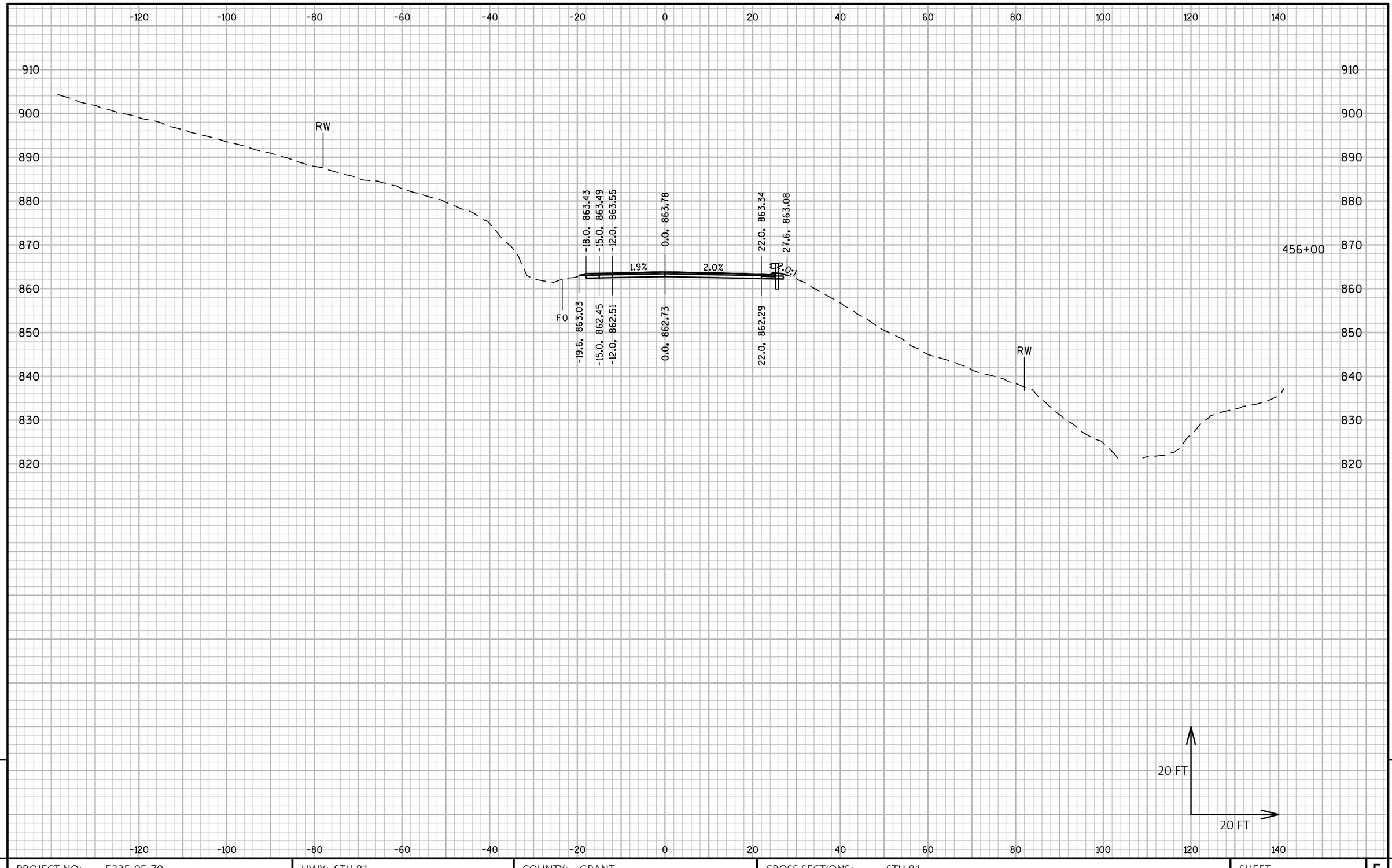
PLOT DATE : 10/30/2019 7:59 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 98

PLOT DATE : 10/30/2019 8:01 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

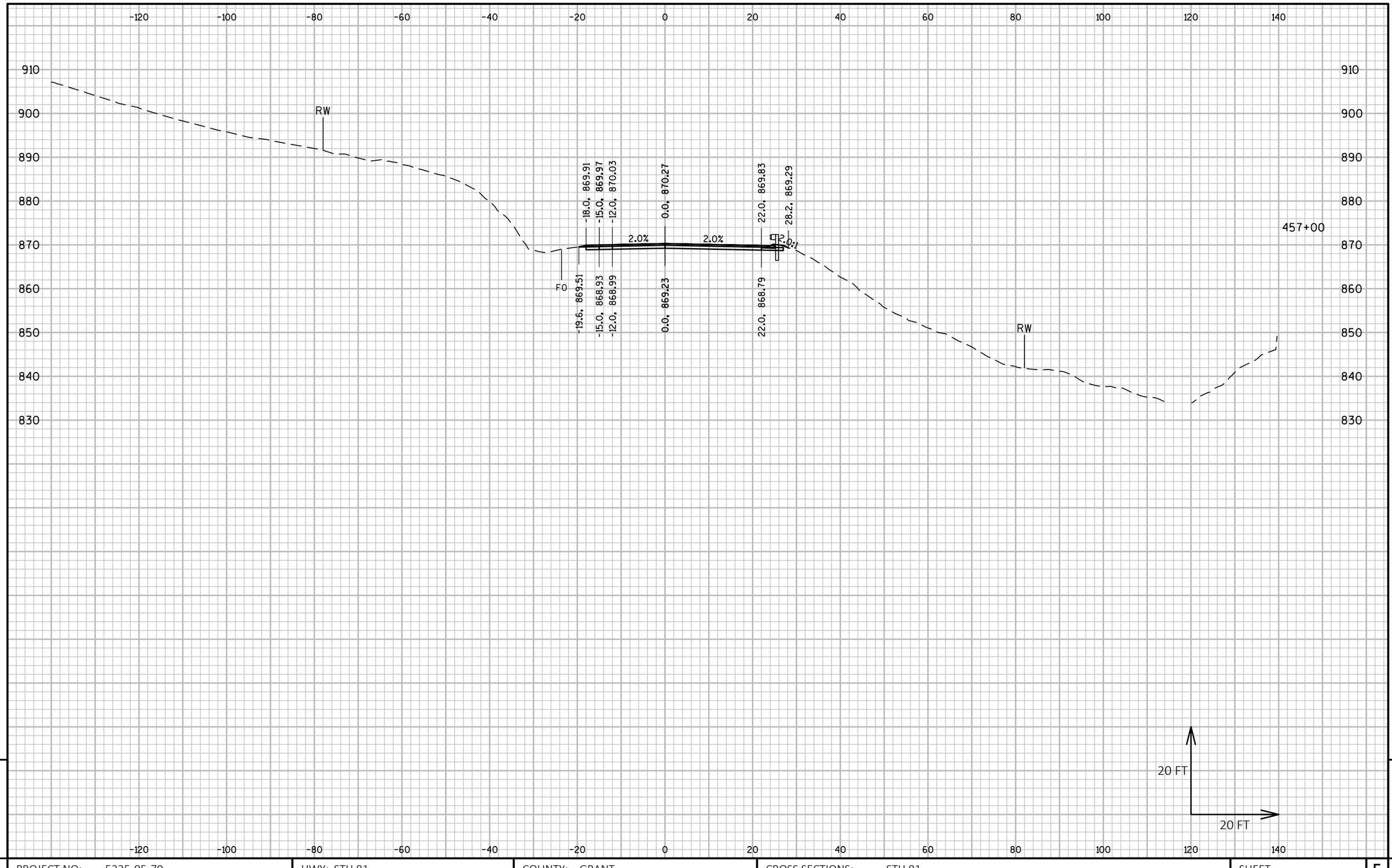


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 99

PLOT DATE : 10/30/2019 8:02 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



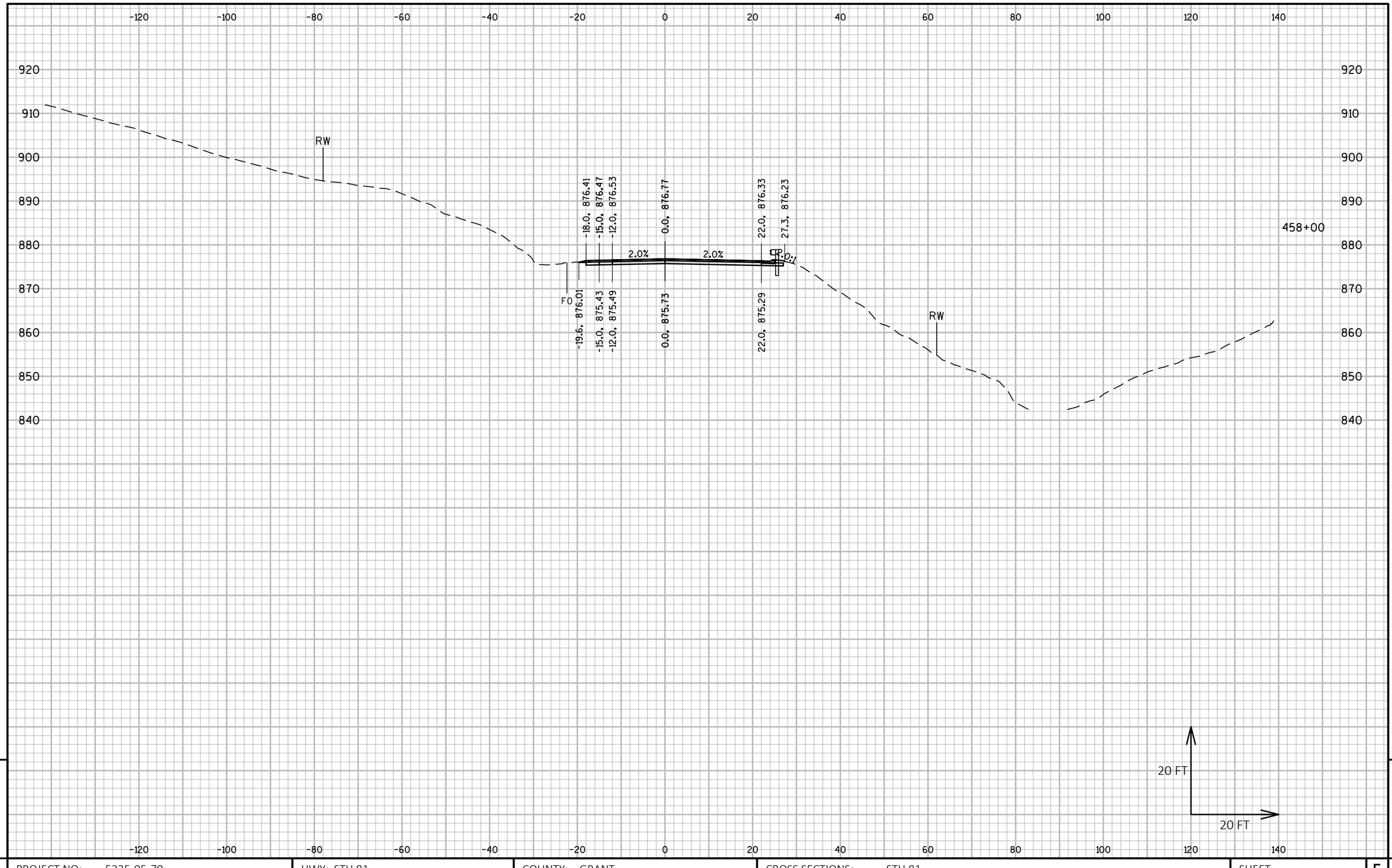
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

9

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 100

PLOT DATE : 10/30/2019 8:03 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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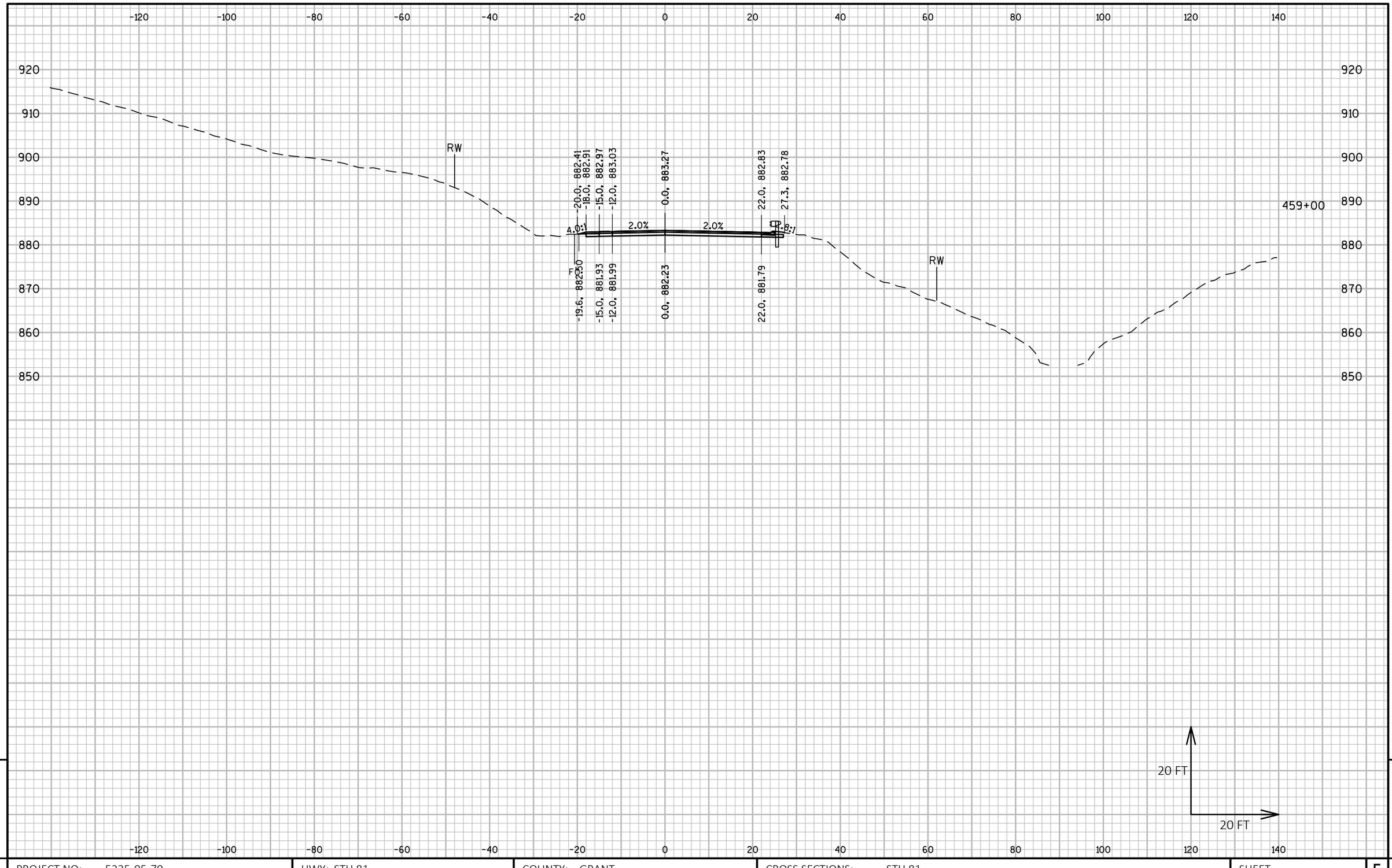
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 101

PLOT DATE : 10/30/2019 8:05 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



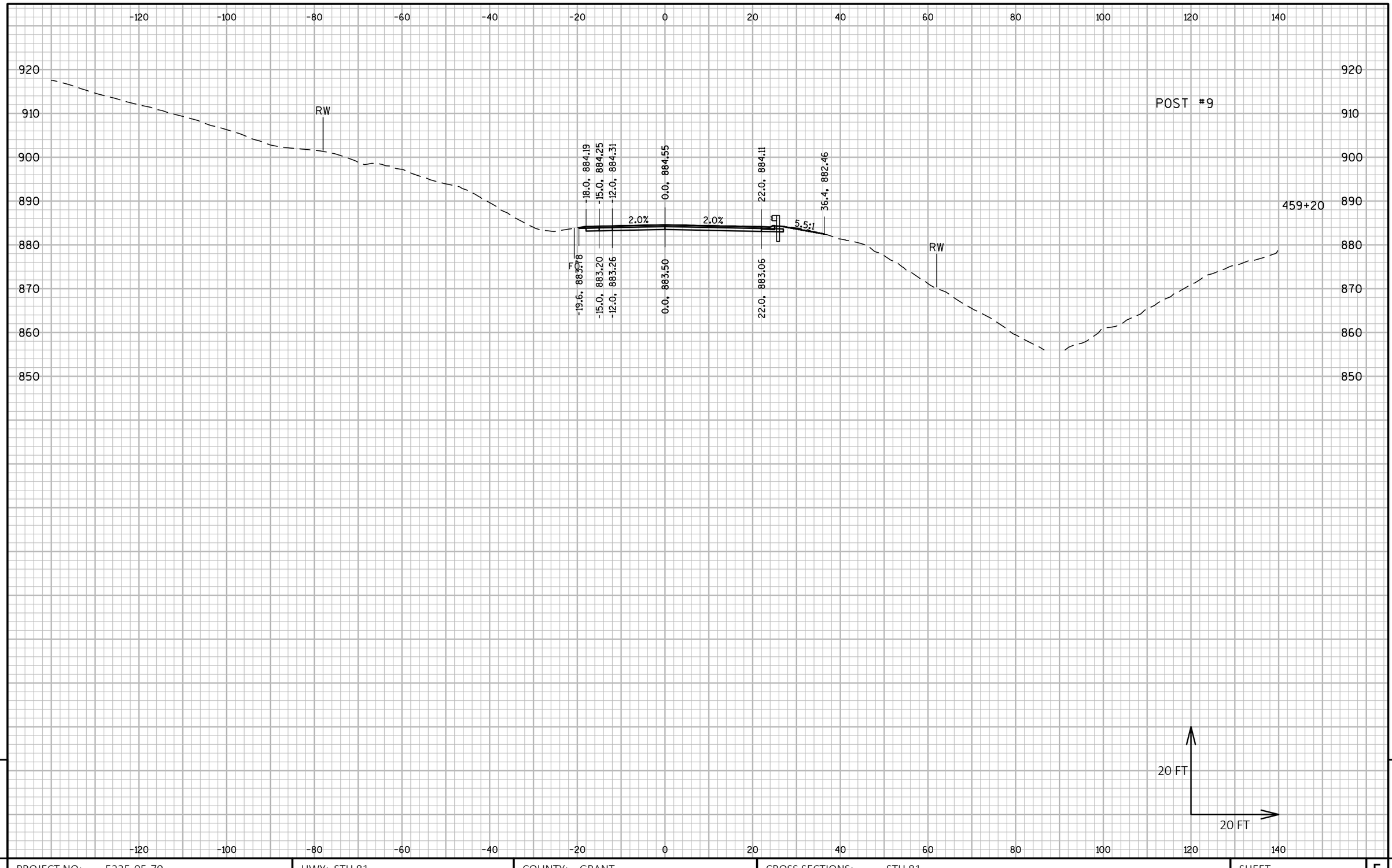
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

9

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 102

PLOT DATE : 10/30/2019 8:06 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

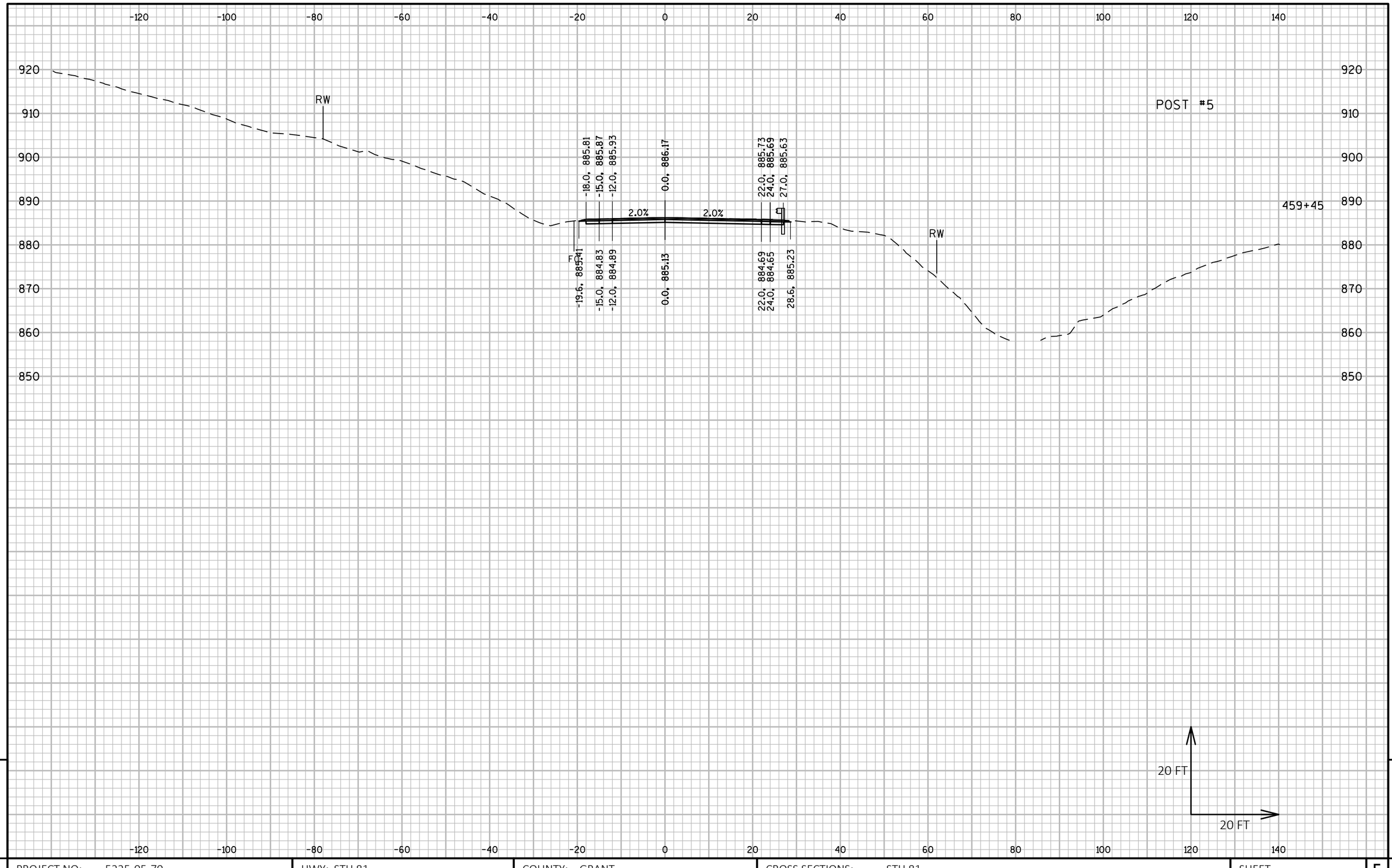


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 103

PLOT DATE : 10/30/2019 8:08 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

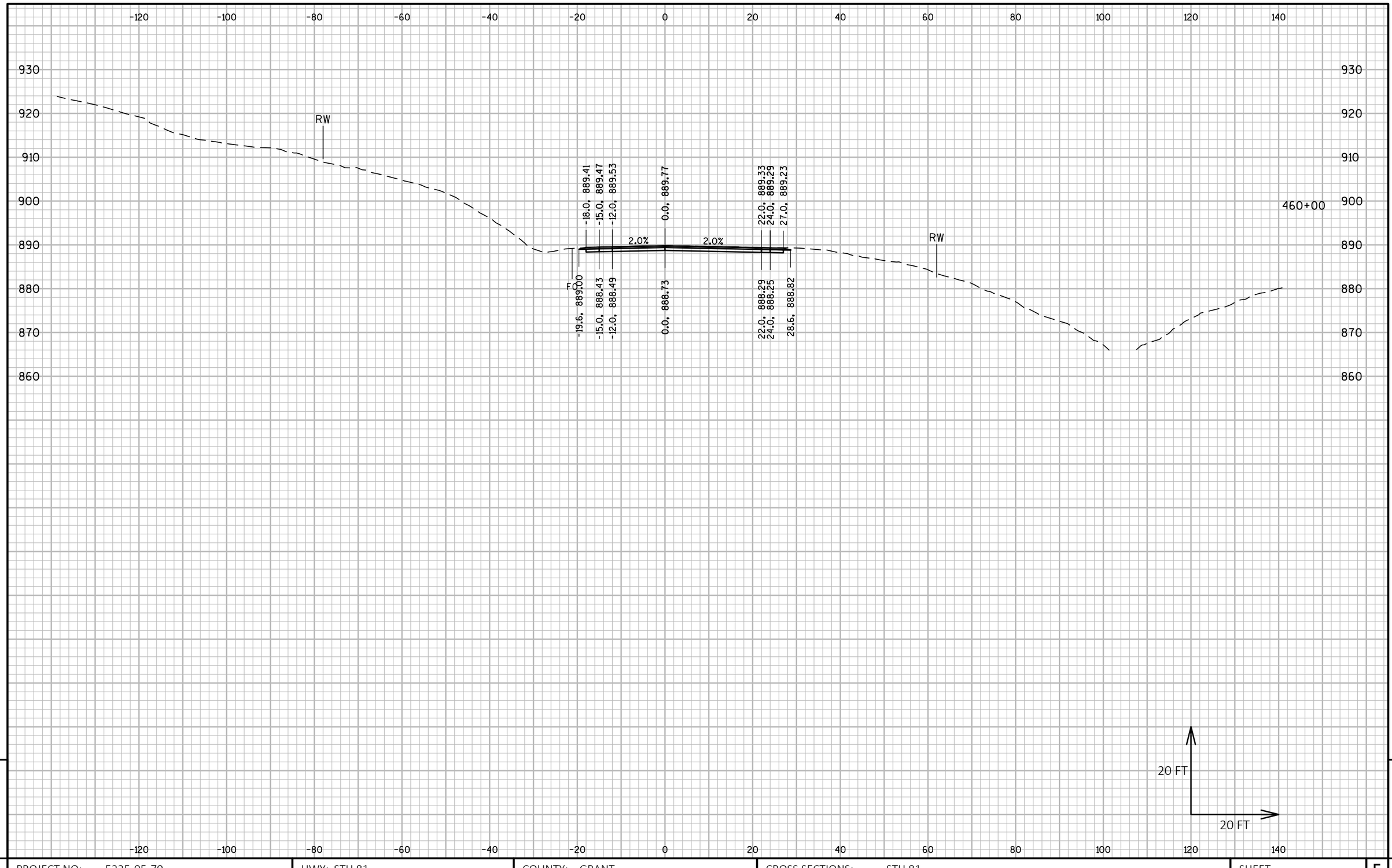
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 104

PLOT DATE : 10/30/2019 8:09 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 105

PLOT DATE : 10/30/2019 8:10 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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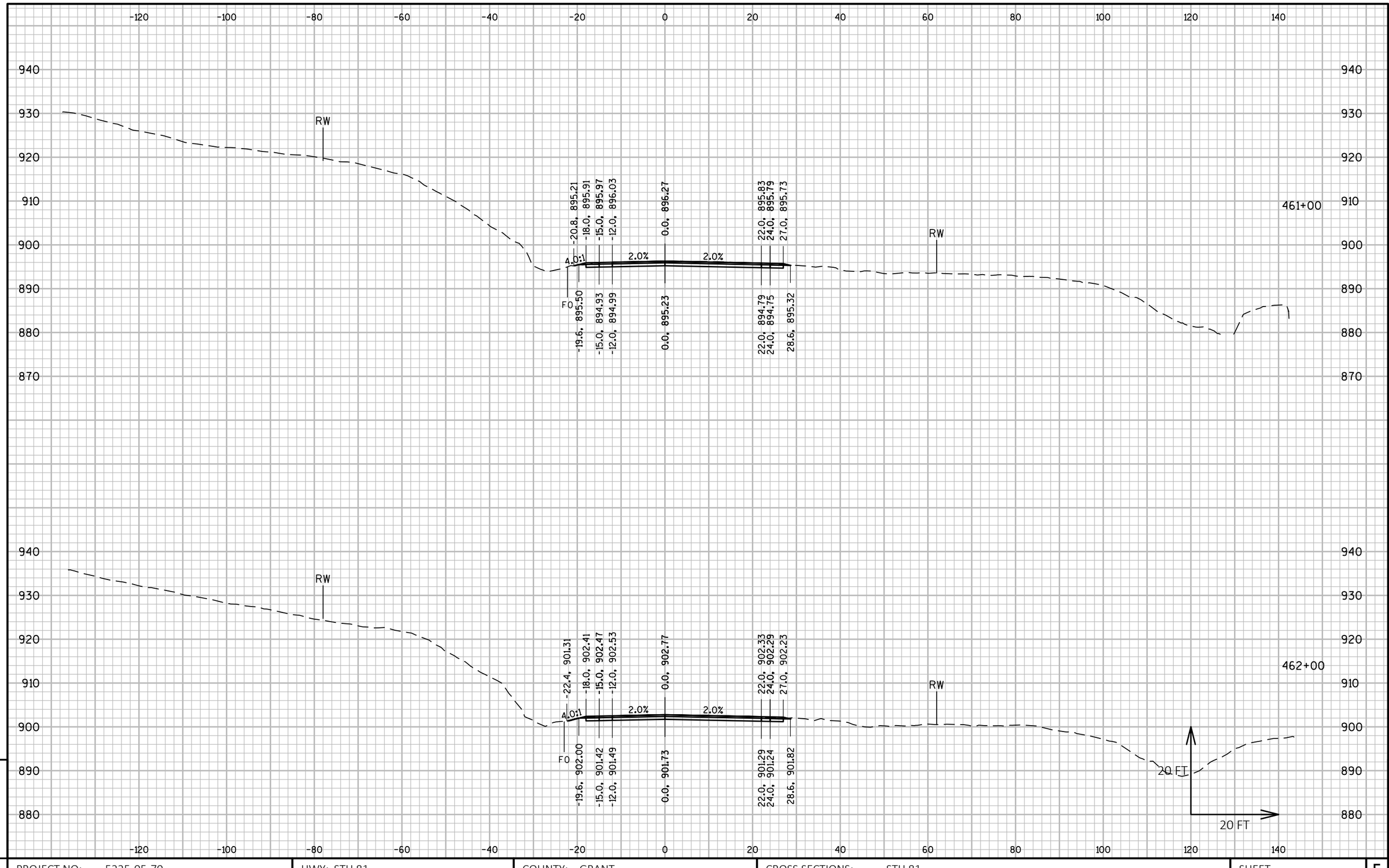
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 106

PLOT DATE : 10/30/2019 8:11 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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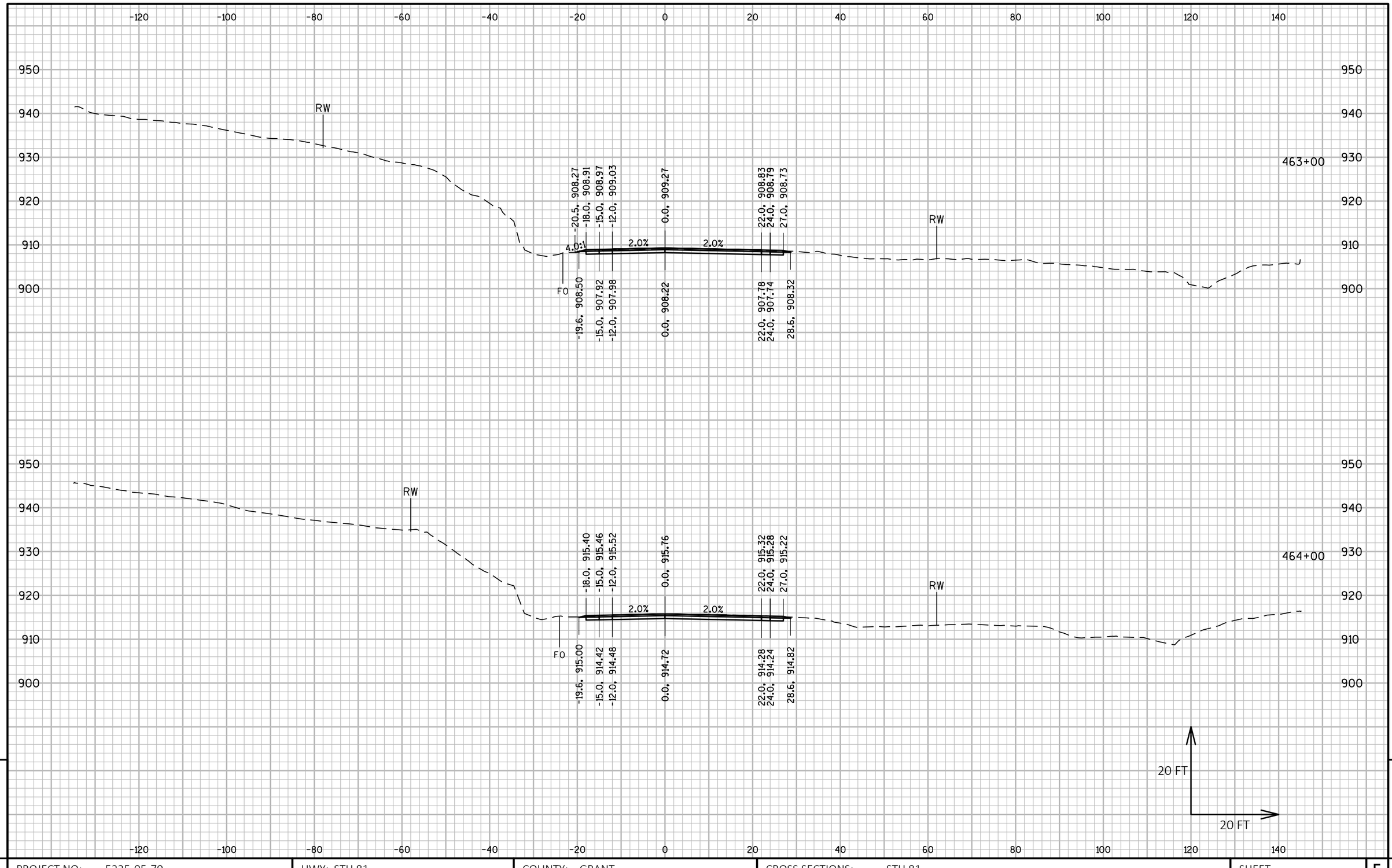
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 107

PLOT DATE : 10/30/2019 8:13 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

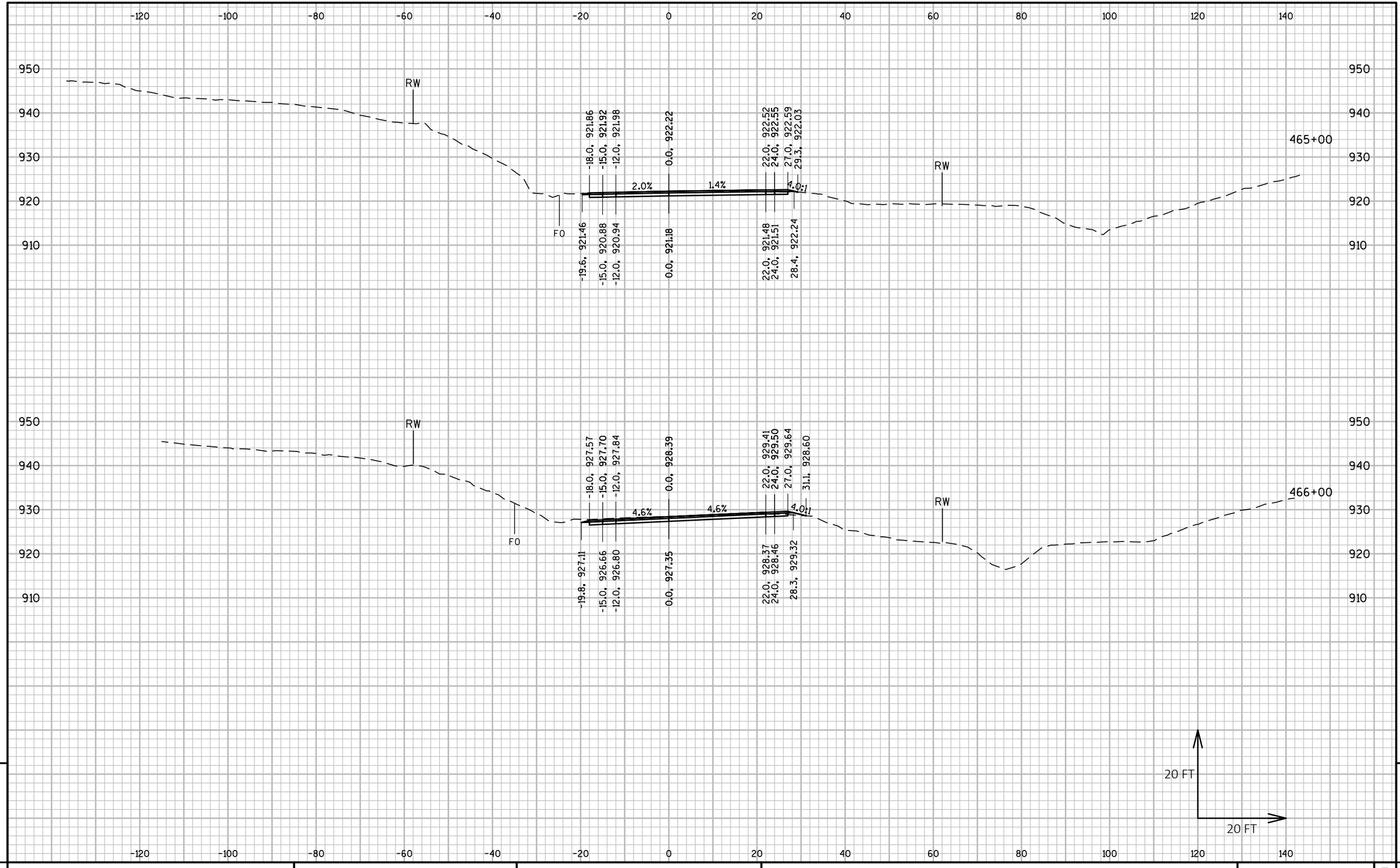


9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 108

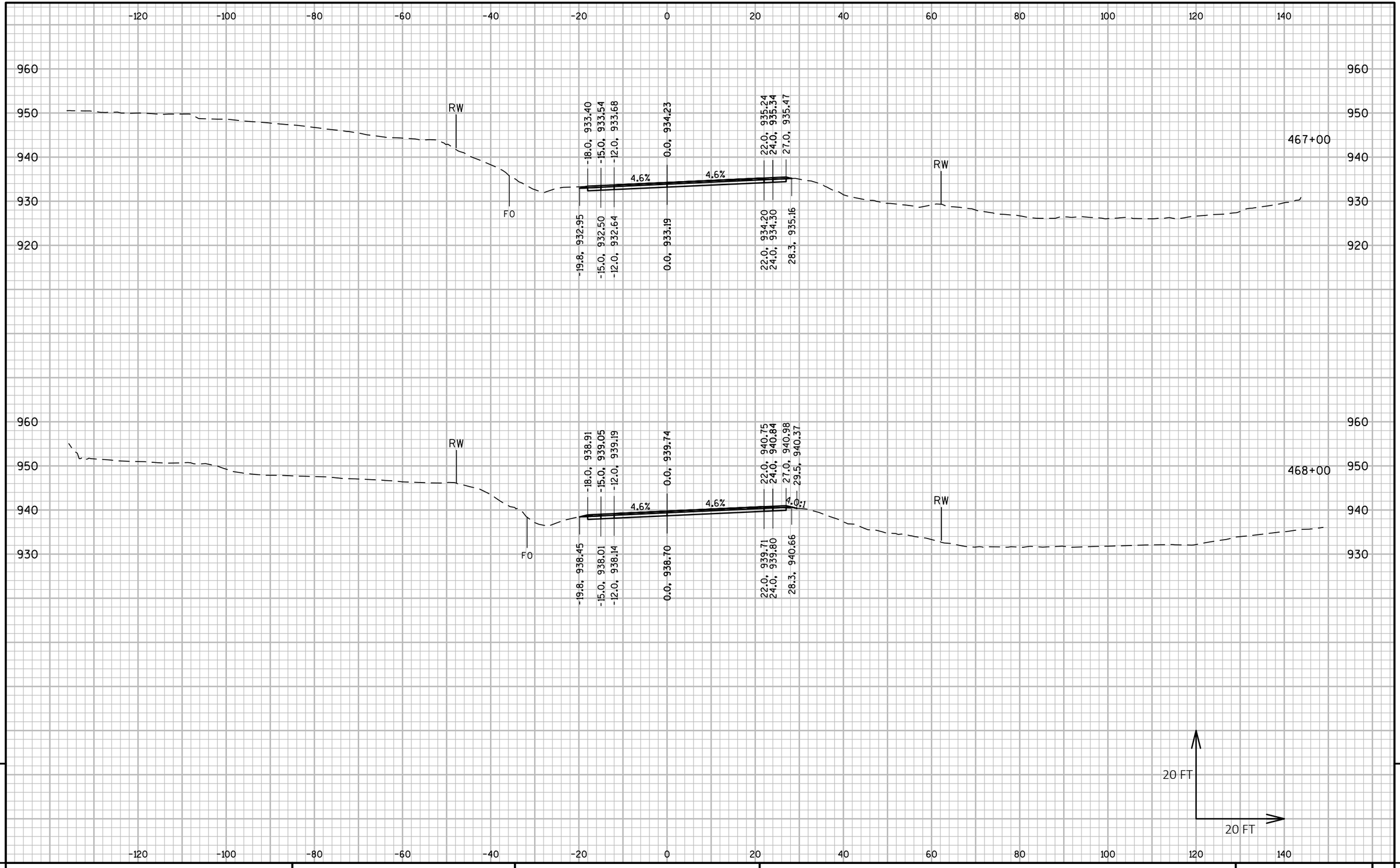
PLOT DATE : 10/30/2019 8:14 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 109

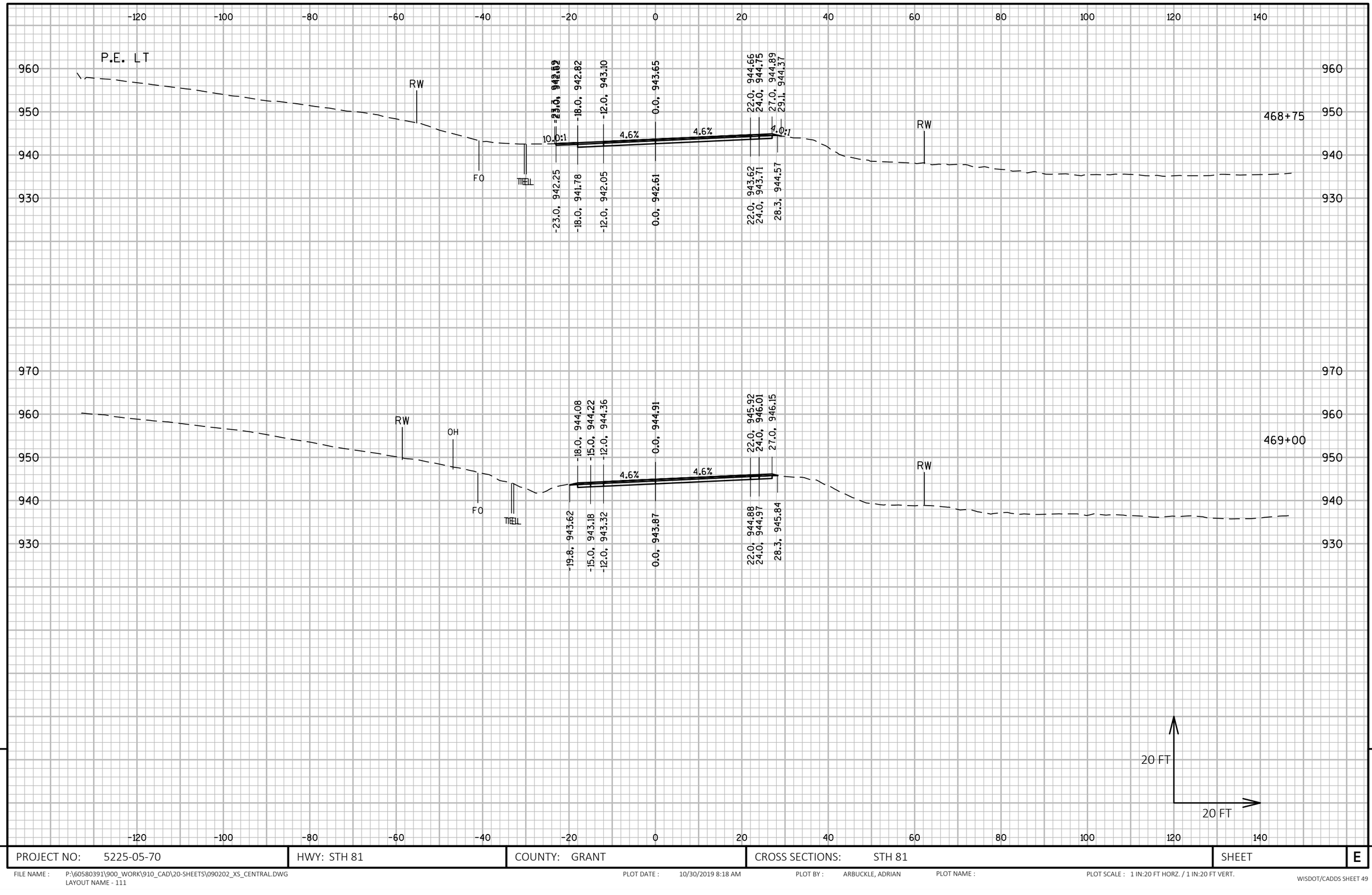
PLOT DATE : 10/30/2019 8:15 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 110

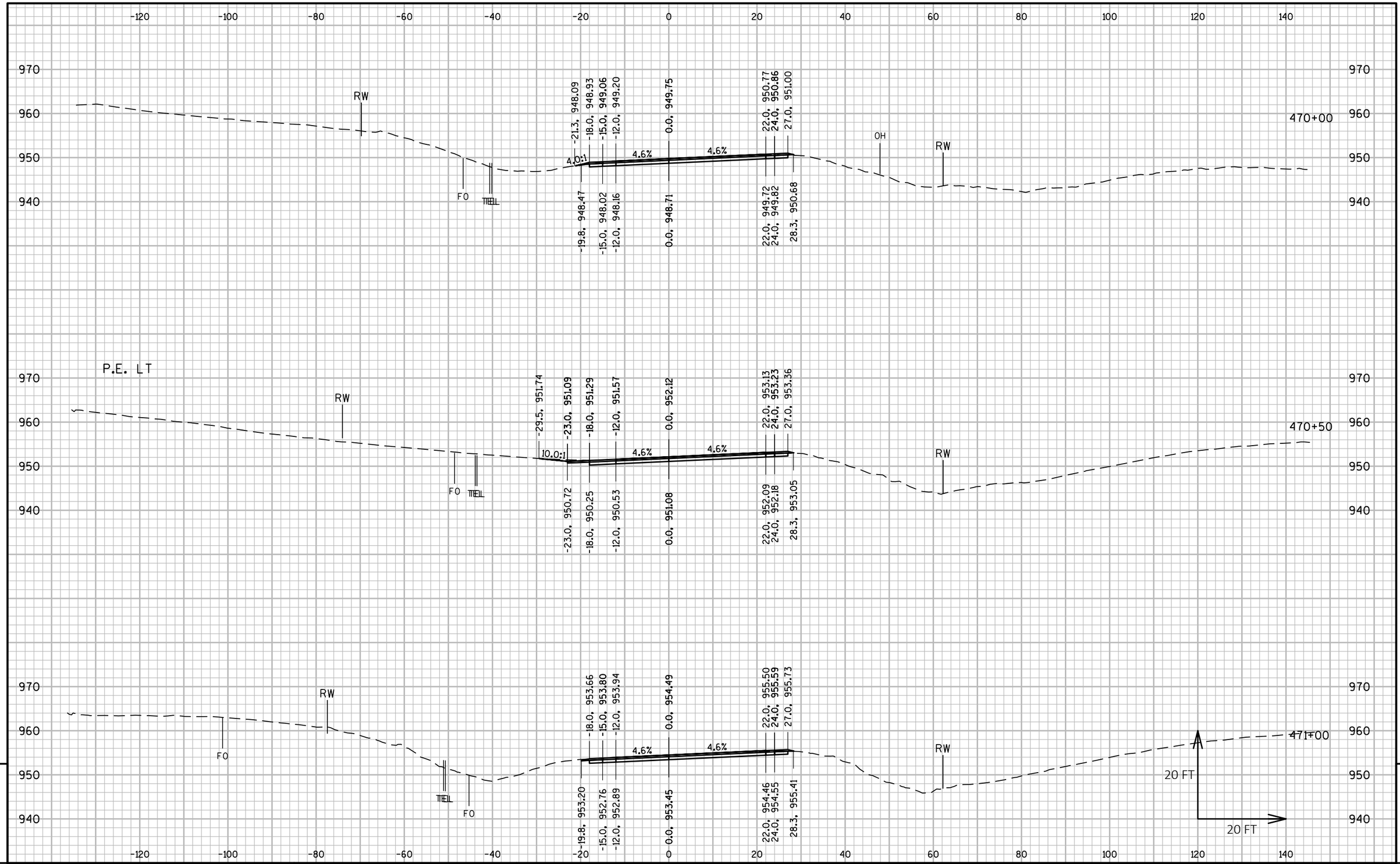
PLOT DATE : 10/30/2019 8:17 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 111

PLOT DATE : 10/30/2019 8:18 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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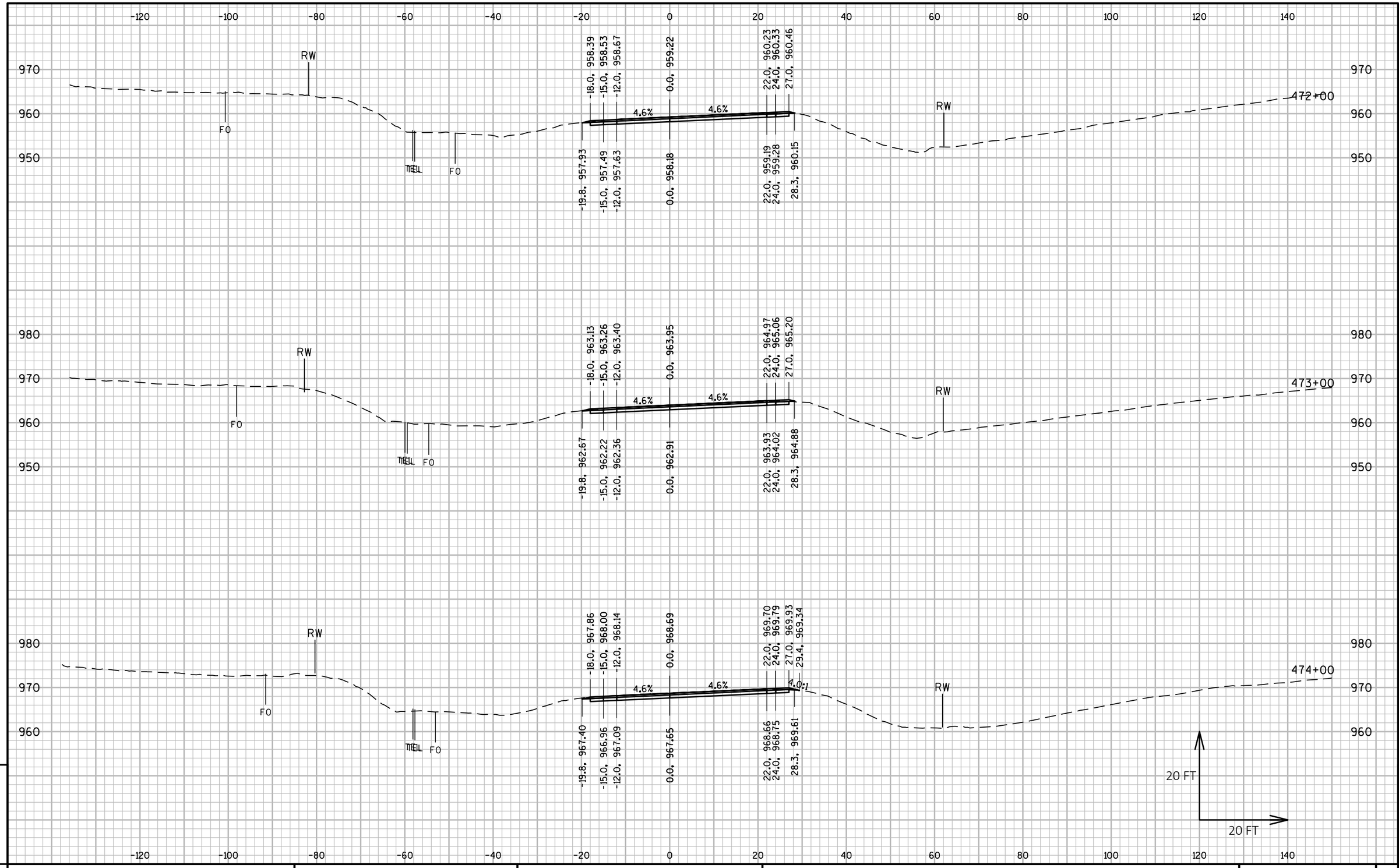
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

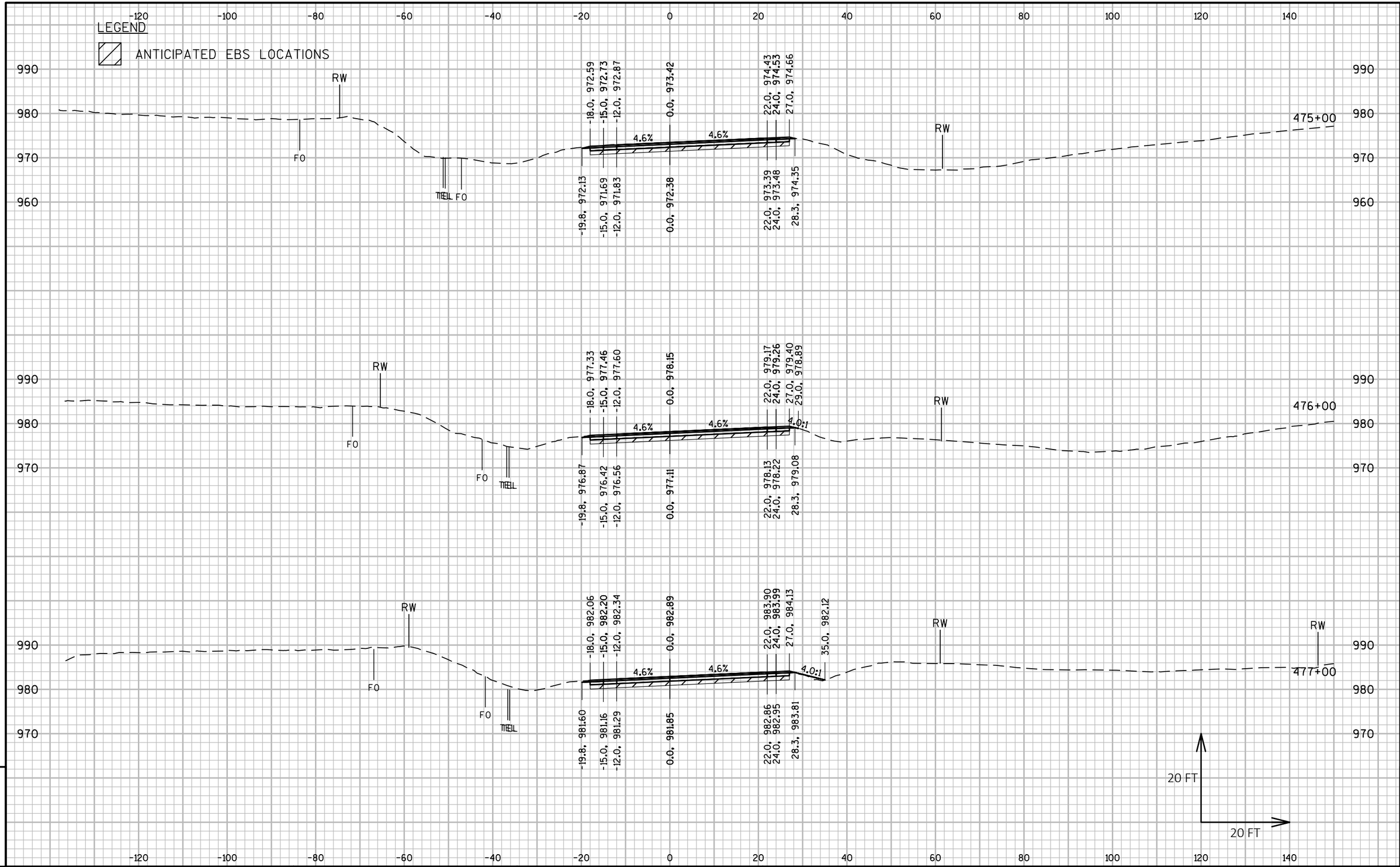
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 112
PLOT DATE : 10/30/2019 8:20 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

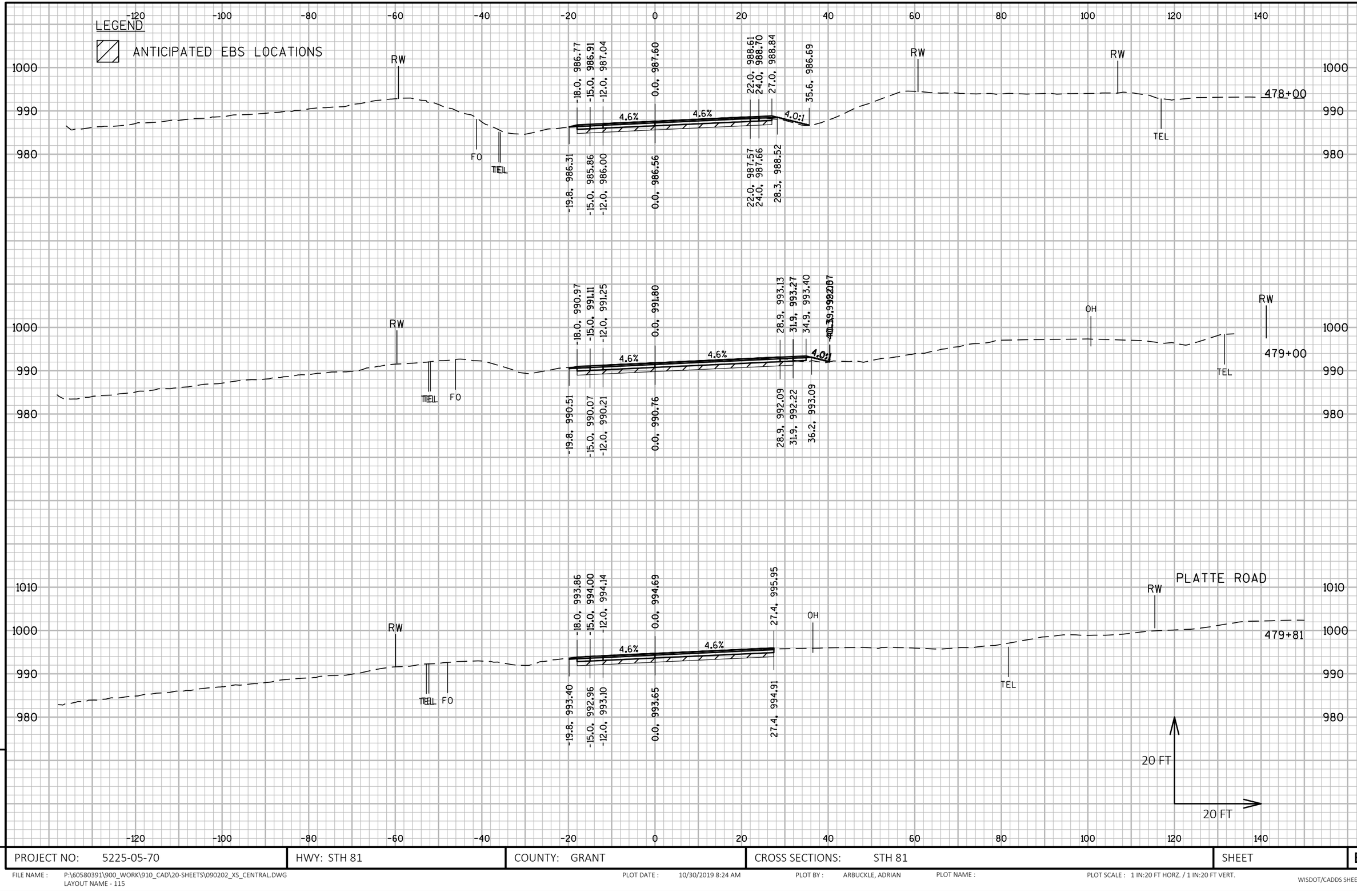
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

ANTICIPATED EBS LOCATIONS



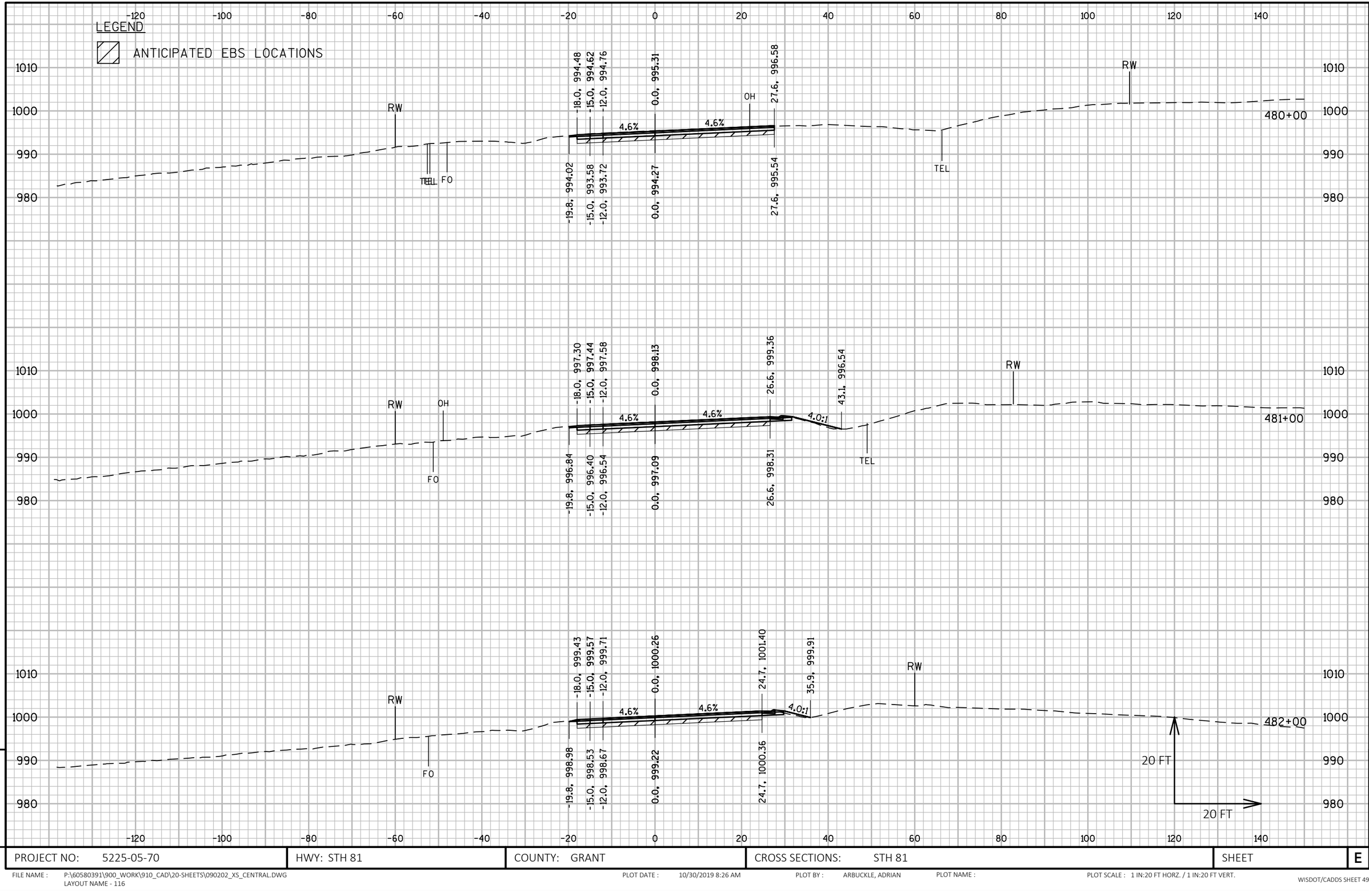
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 115

PLOT DATE : 10/30/2019 8:24 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 116

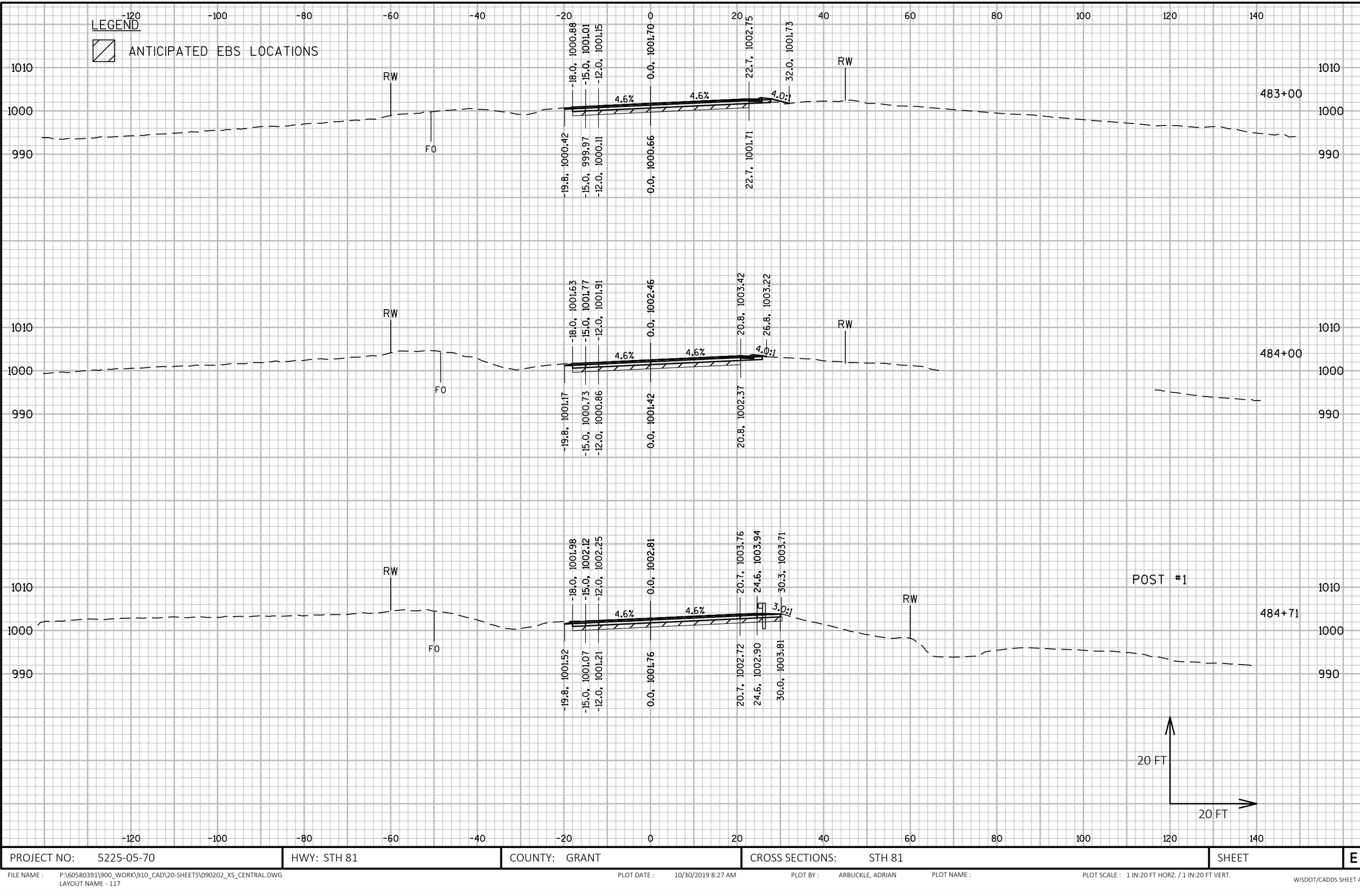
PLOT DATE : 10/30/2019 8:26 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9

LEGEND

ANTICIPATED EBS LOCATIONS



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

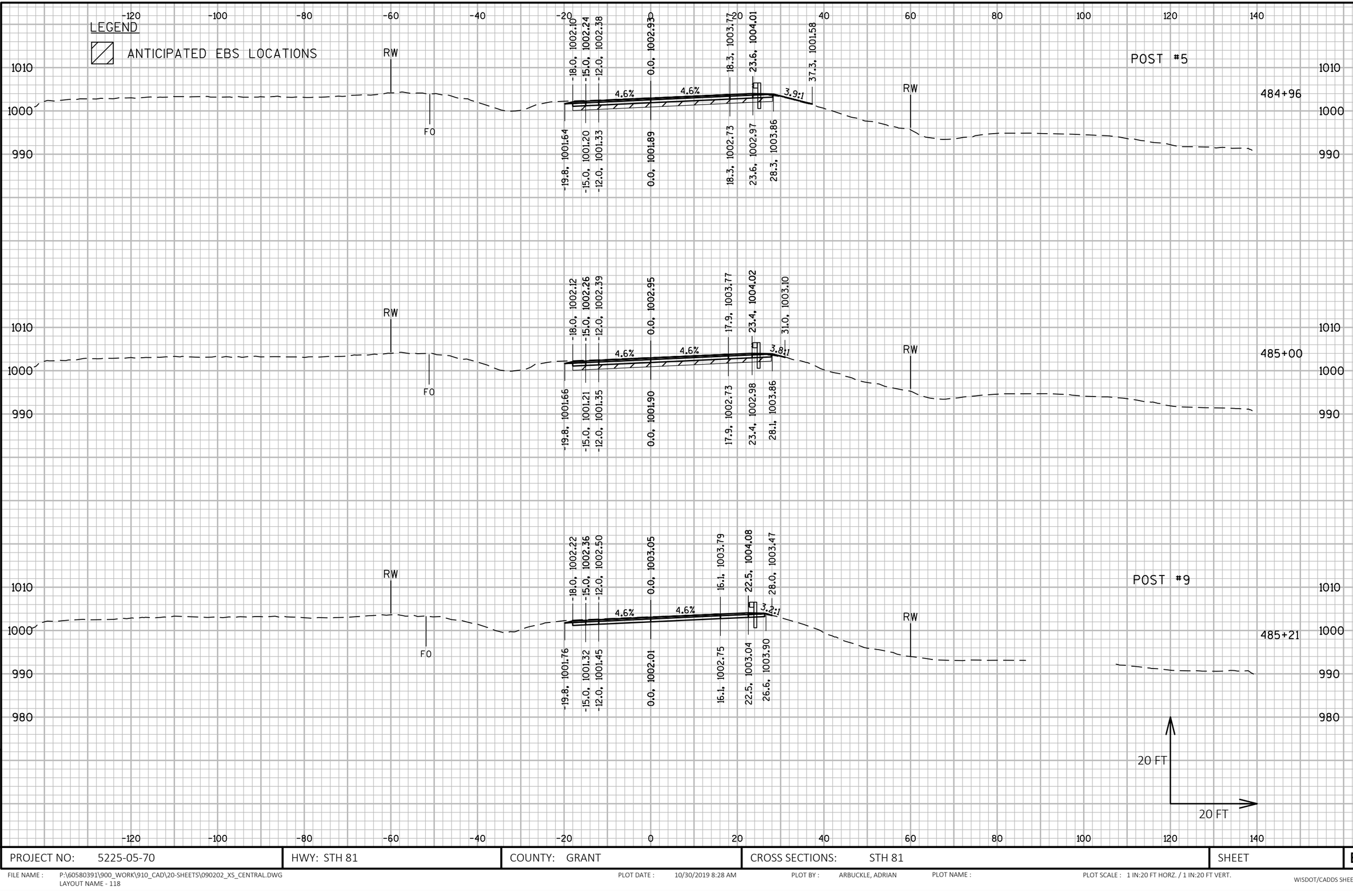
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 117

PLOT DATE : 10/30/2019 8:27 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



9

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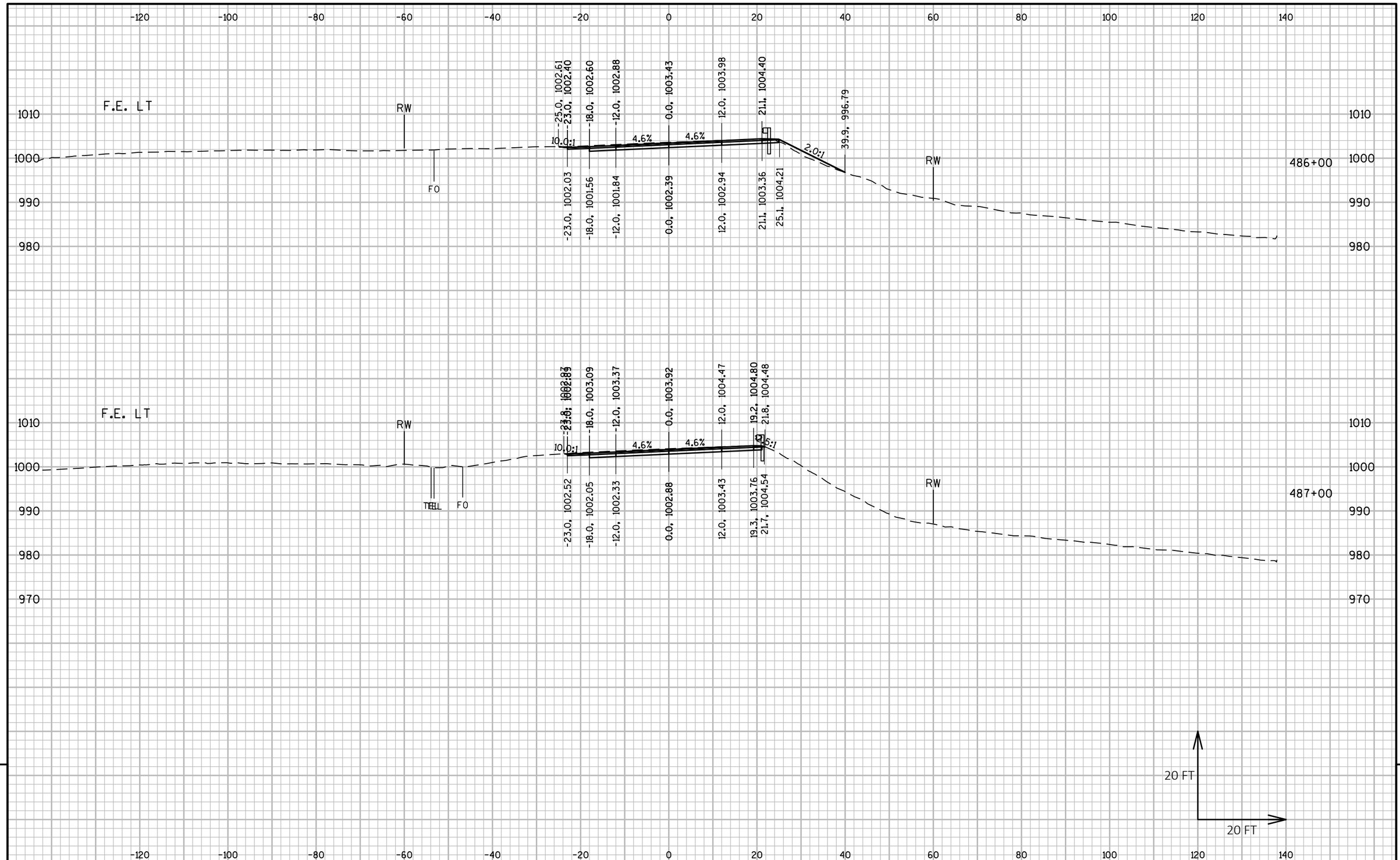
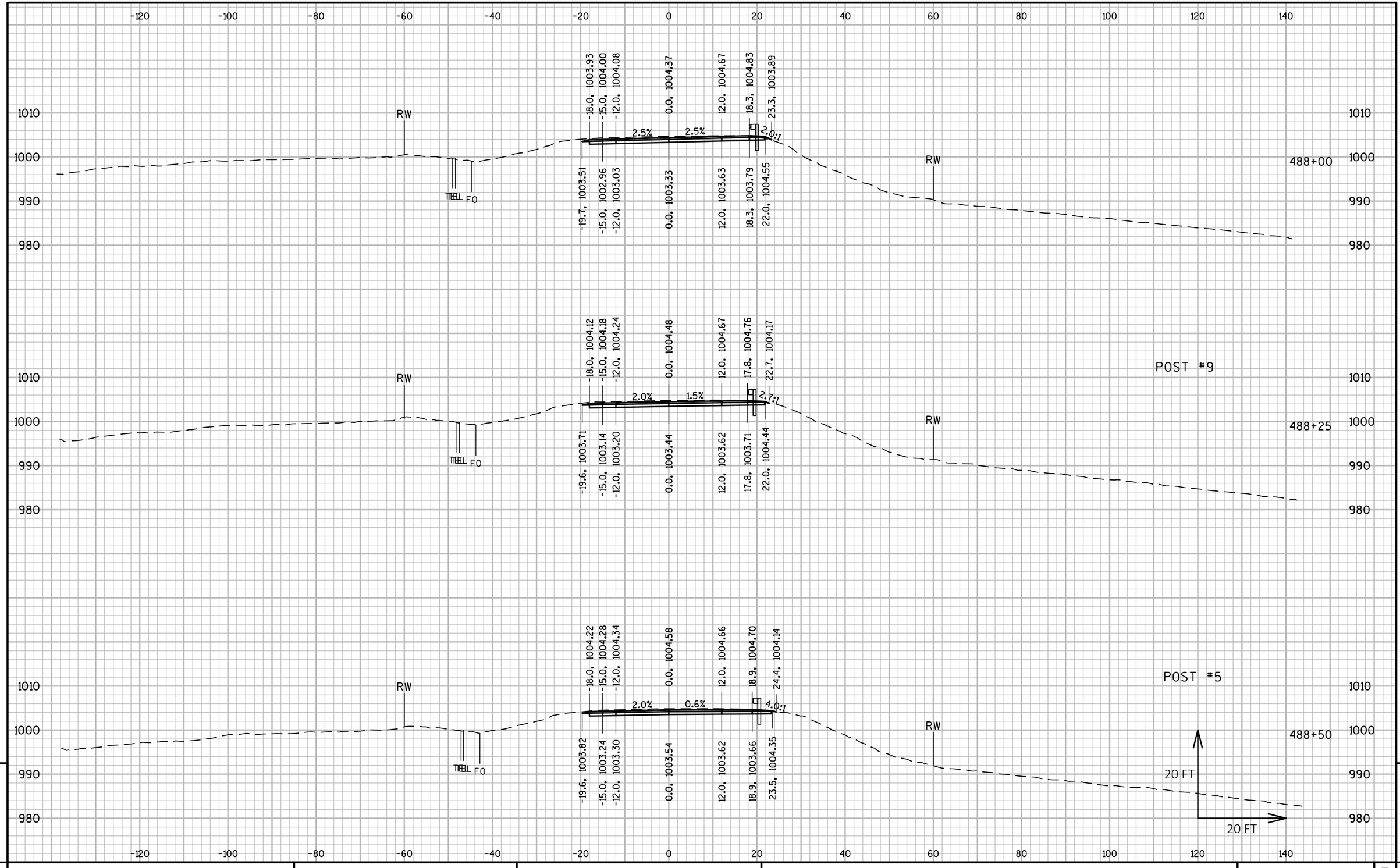
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 118

PLOT DATE : 10/30/2019 8:28 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



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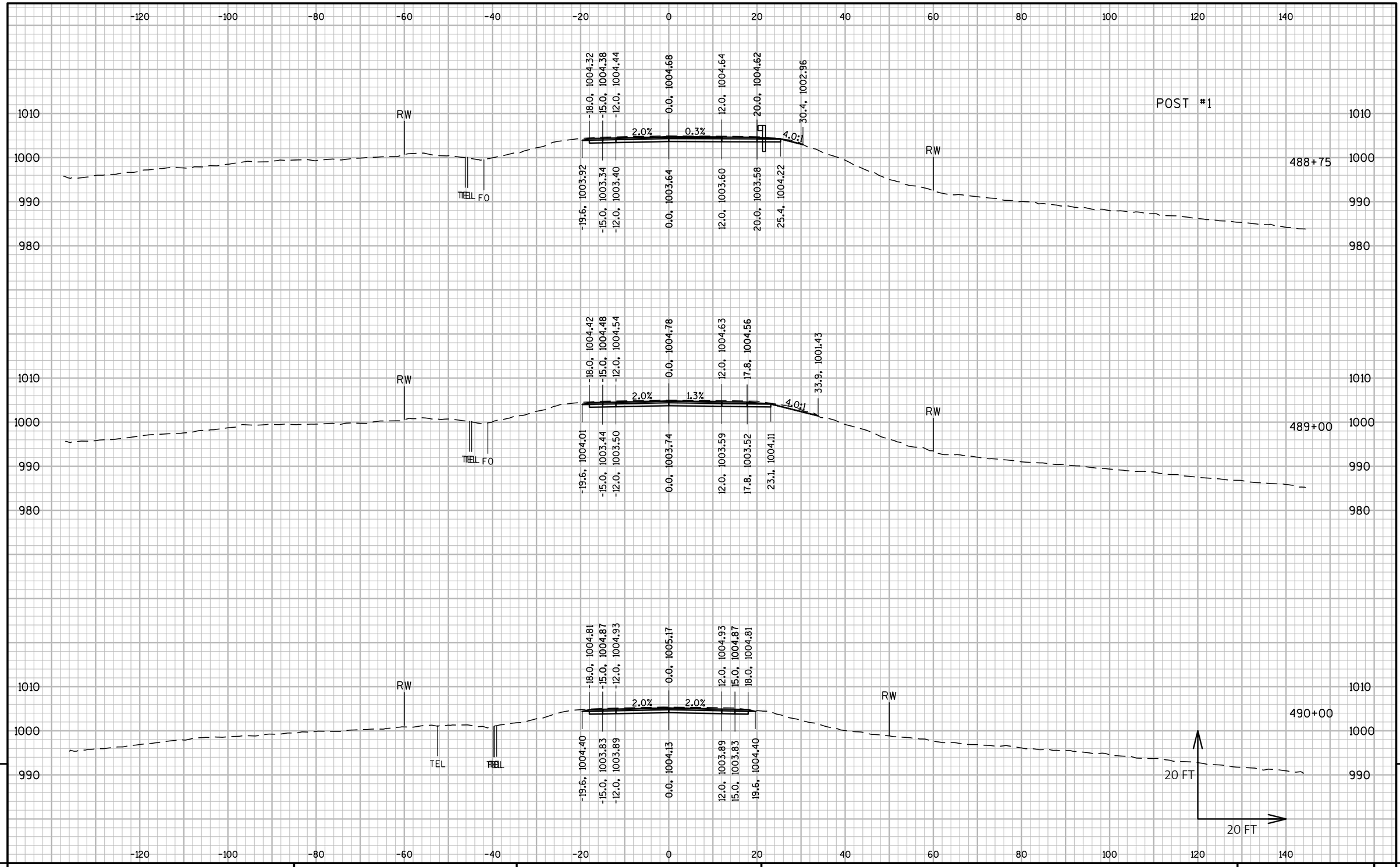
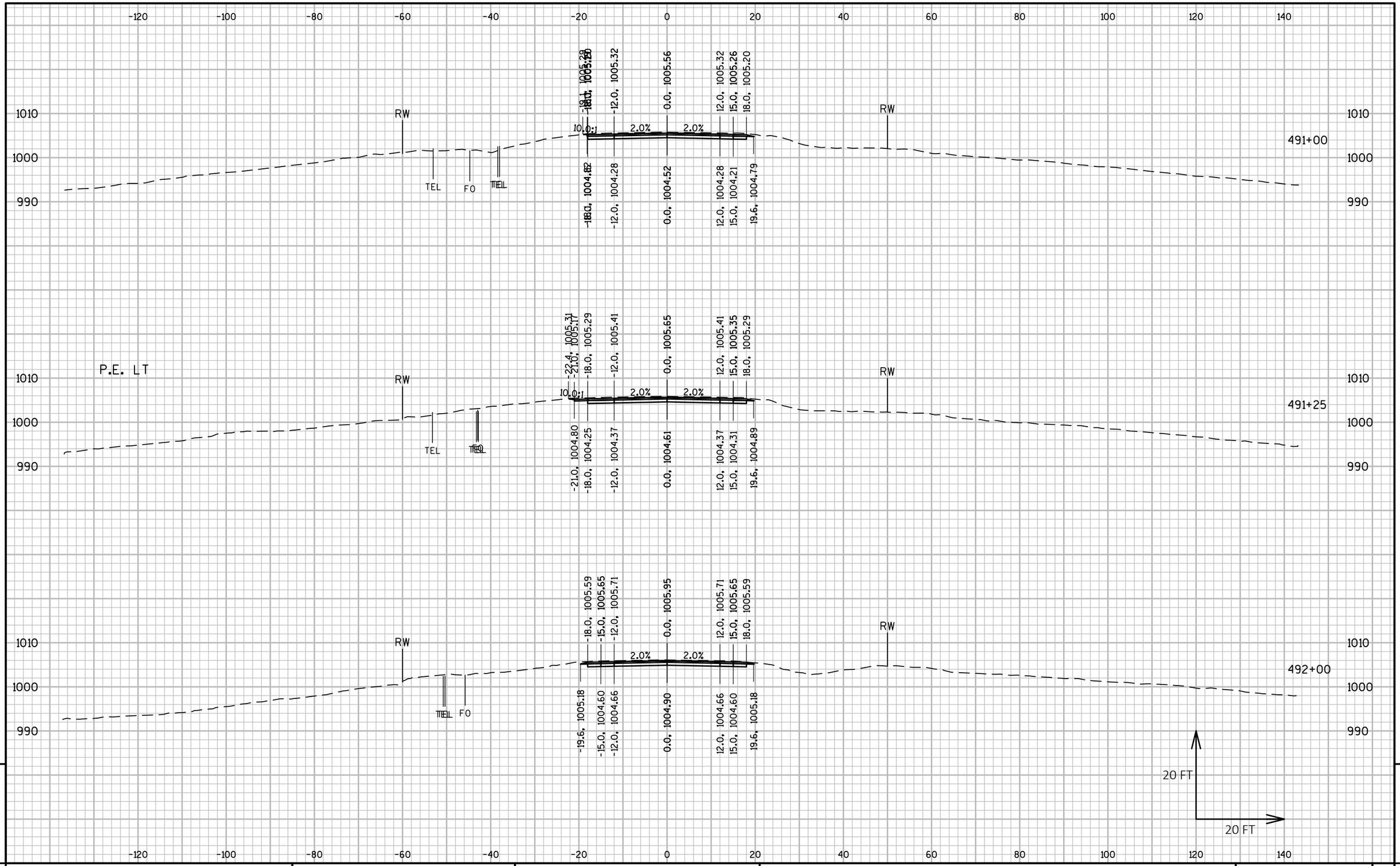
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 121

PLOT DATE : 10/30/2019 8:33 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

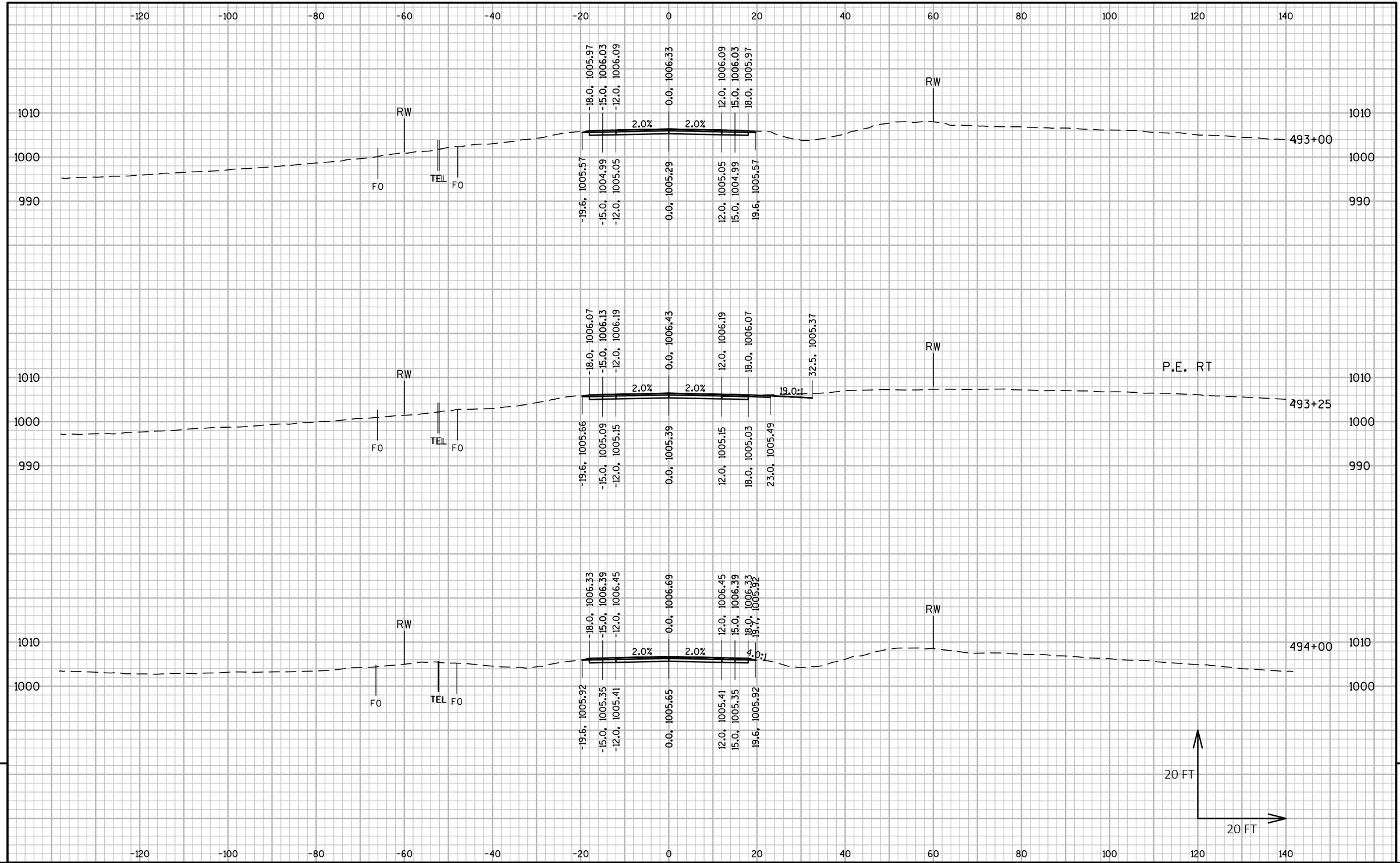


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 122

PLOT DATE : 10/30/2019 8:34 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



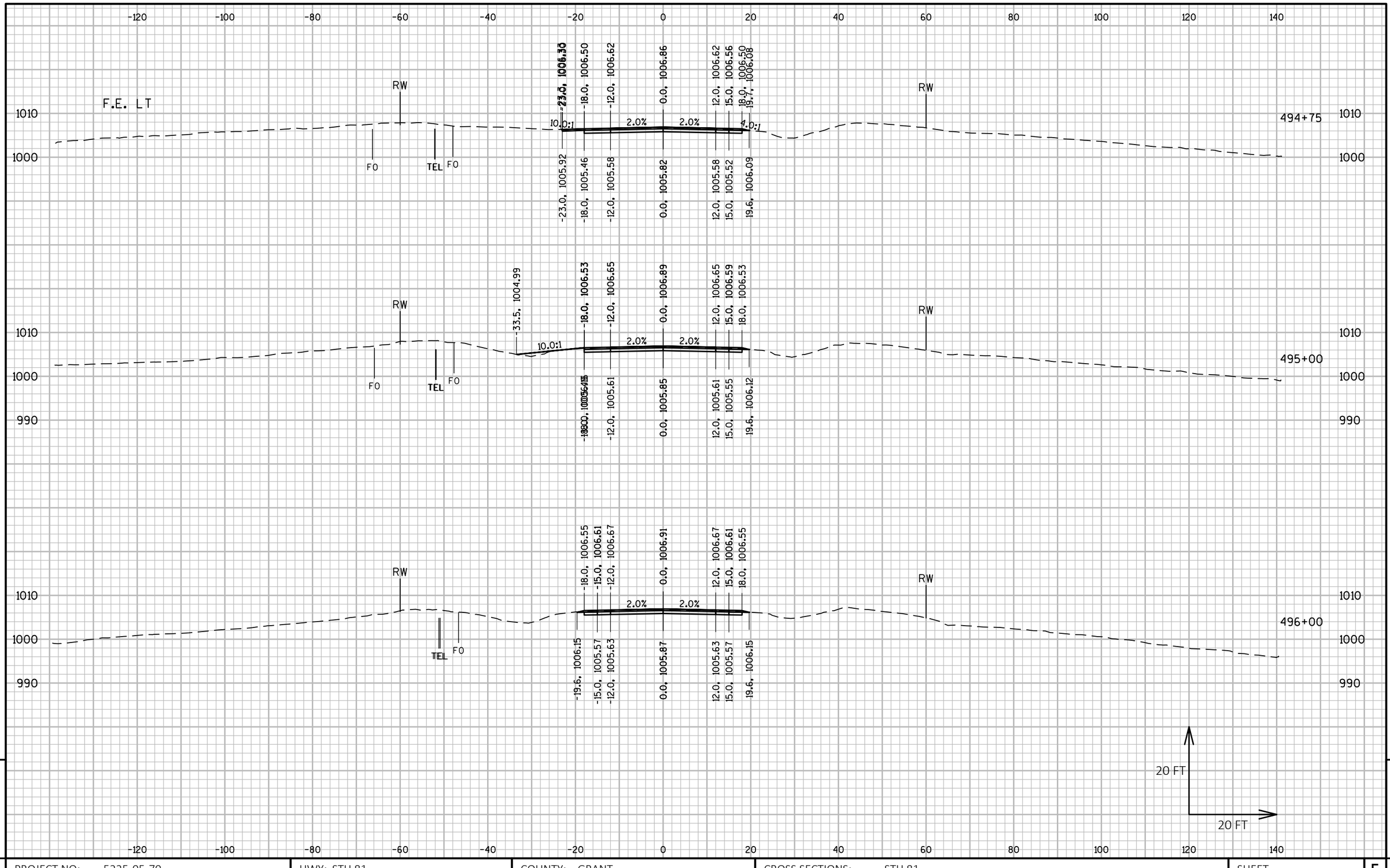
9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 123

PLOT DATE : 10/30/2019 8:36 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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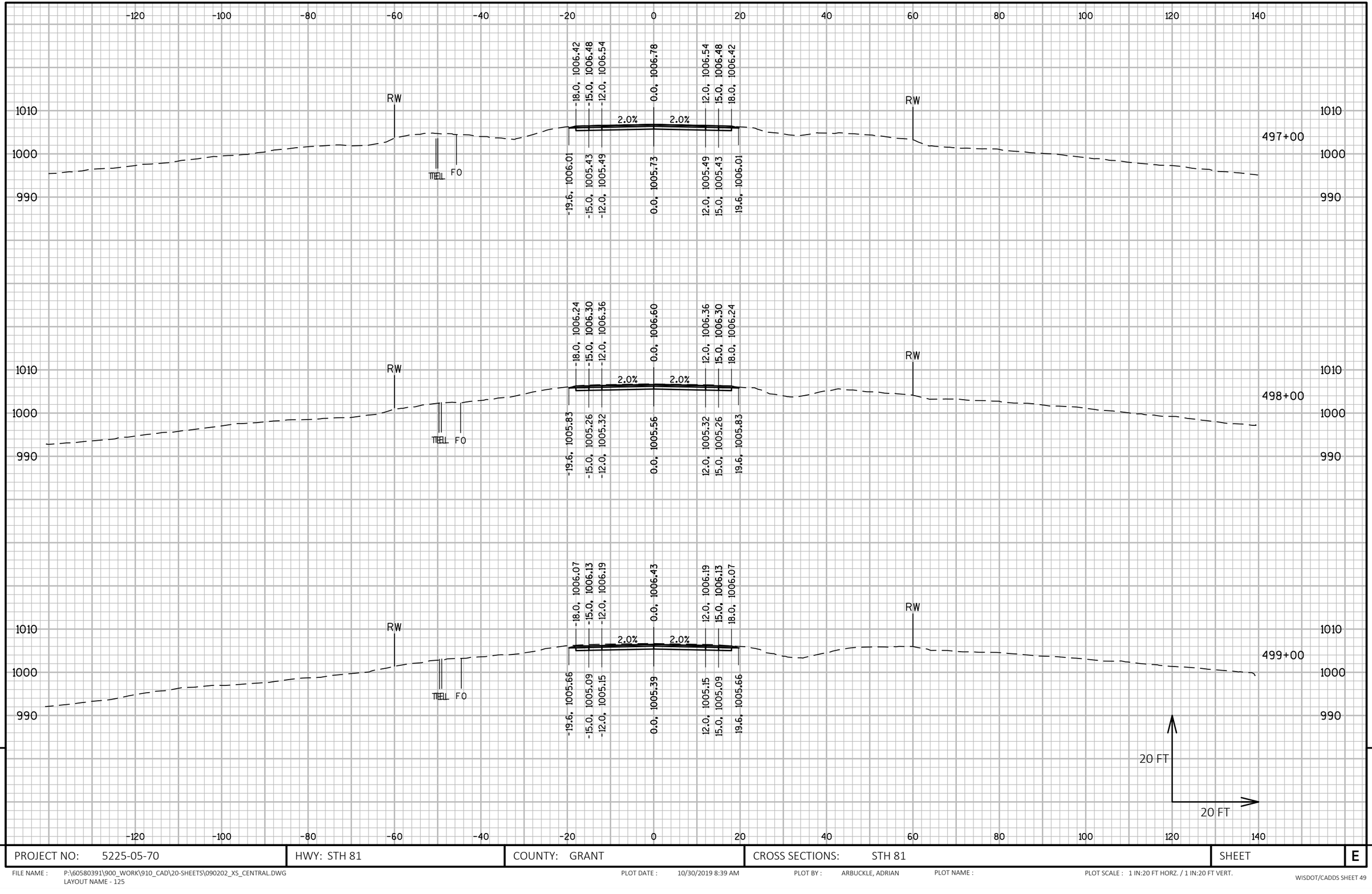
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 124

PLOT DATE : 10/30/2019 8:37 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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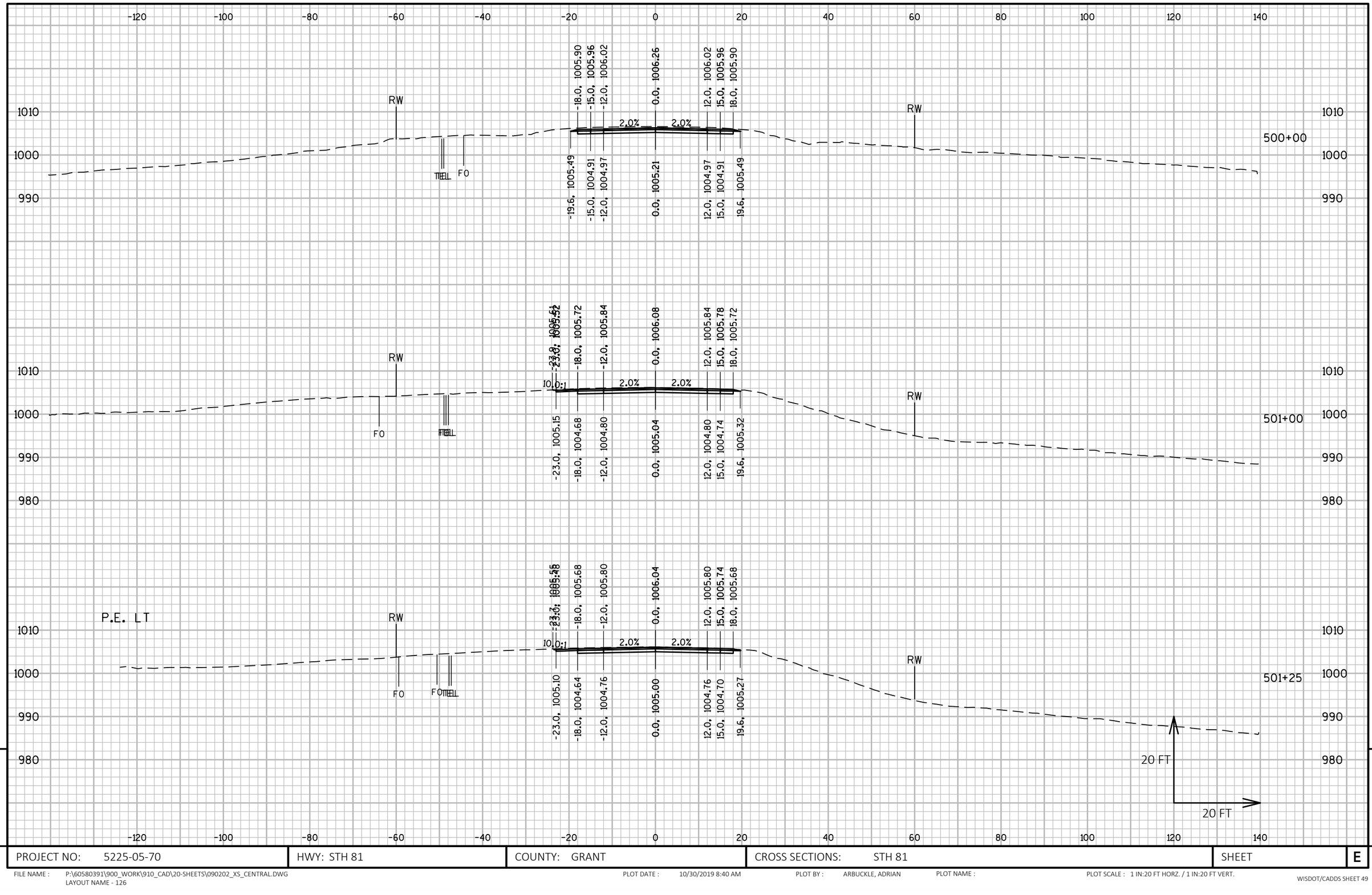
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 125

PLOT DATE : 10/30/2019 8:39 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

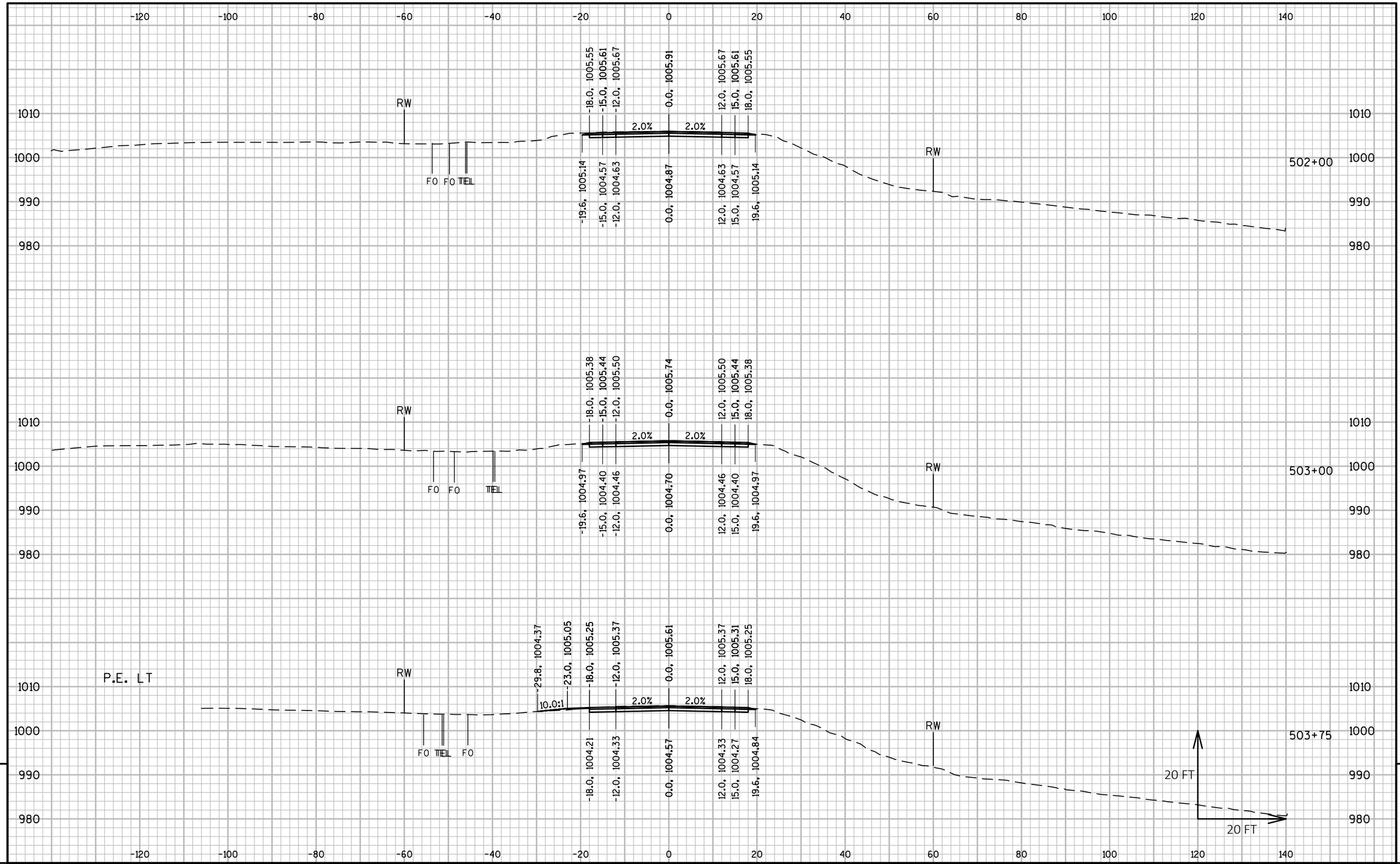


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 126

PLOT DATE : 10/30/2019 8:40 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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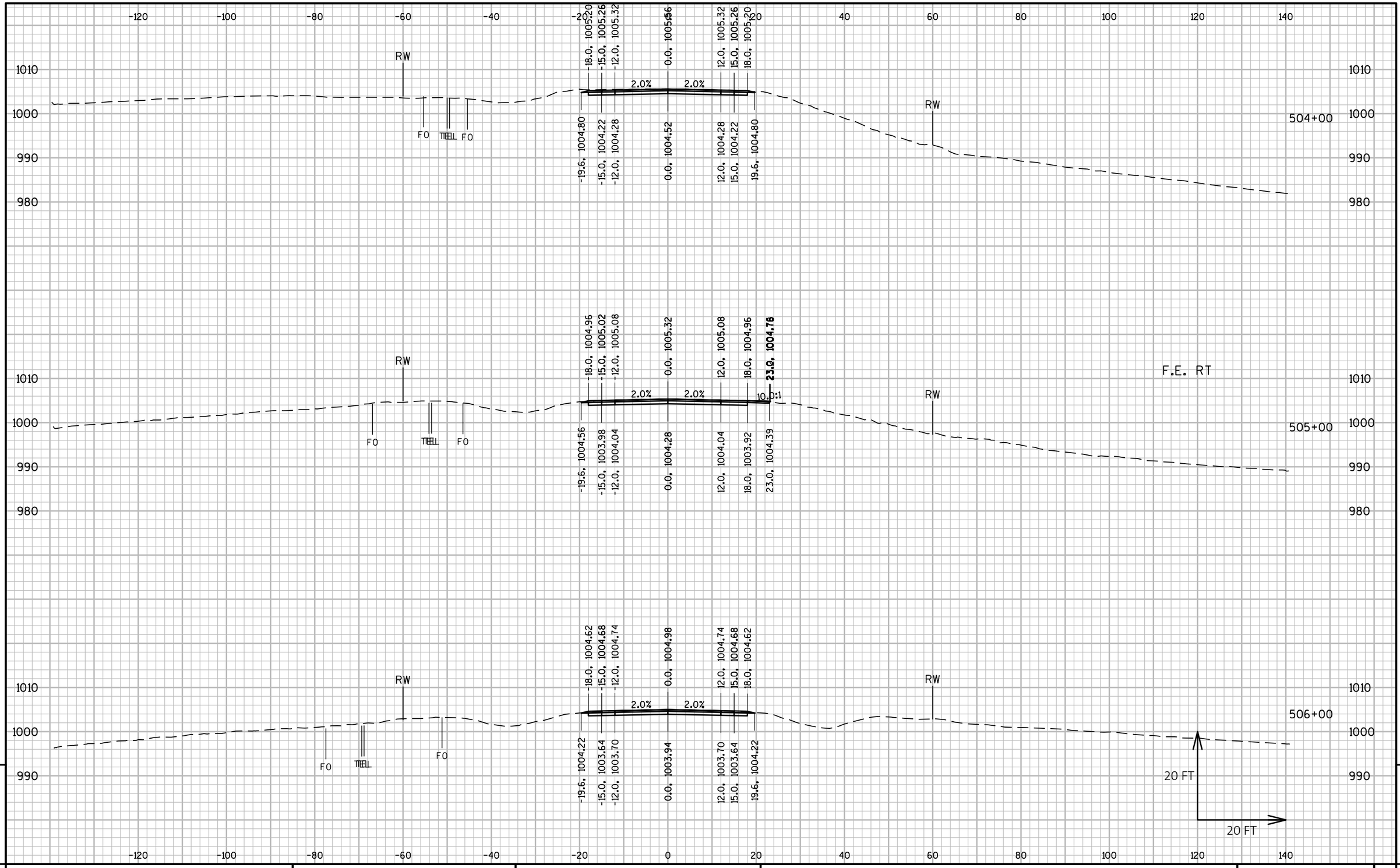
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 127
PLOT DATE : 10/30/2019 8:42 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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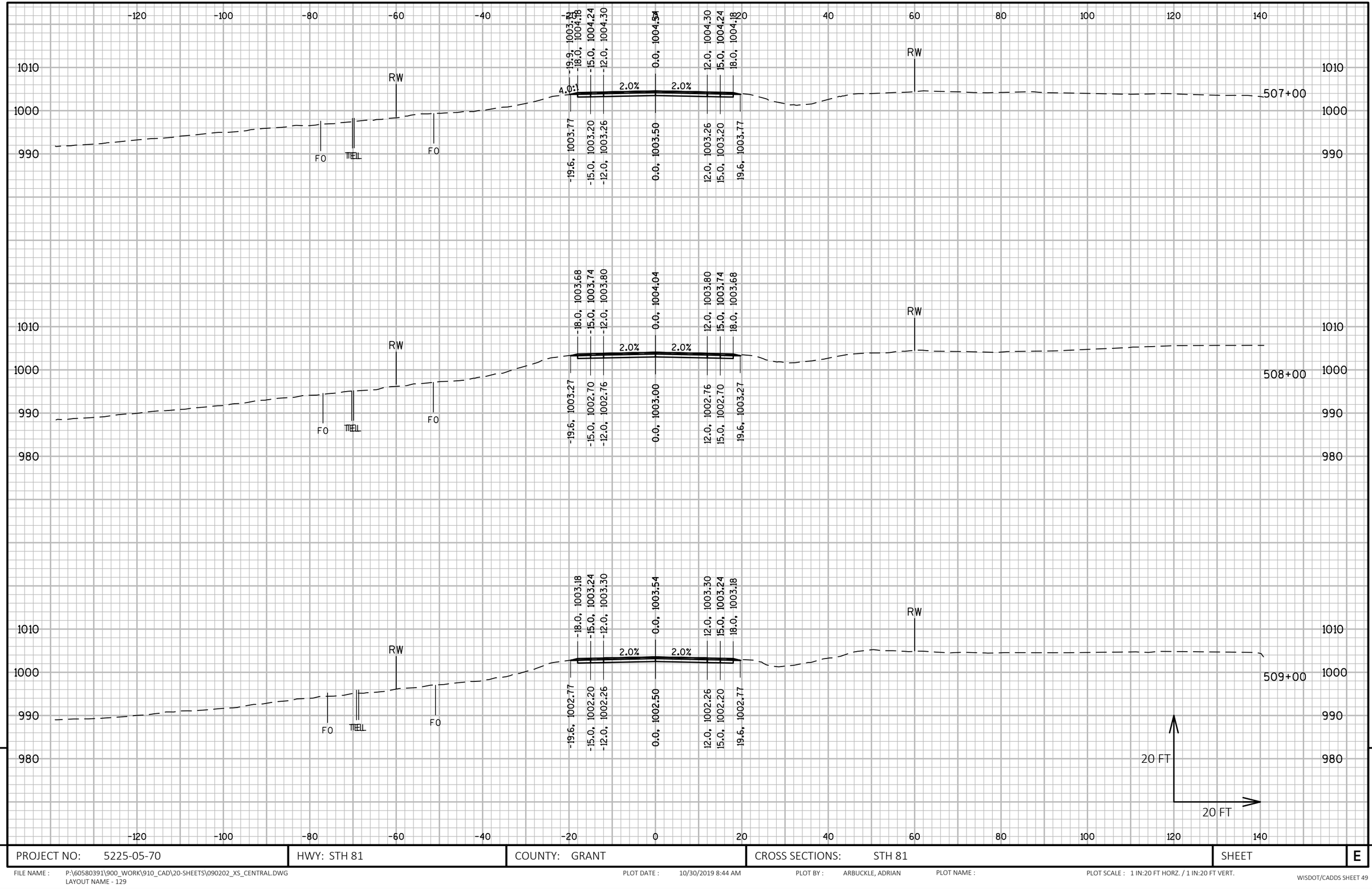
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 128

PLOT DATE : 10/30/2019 8:43 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

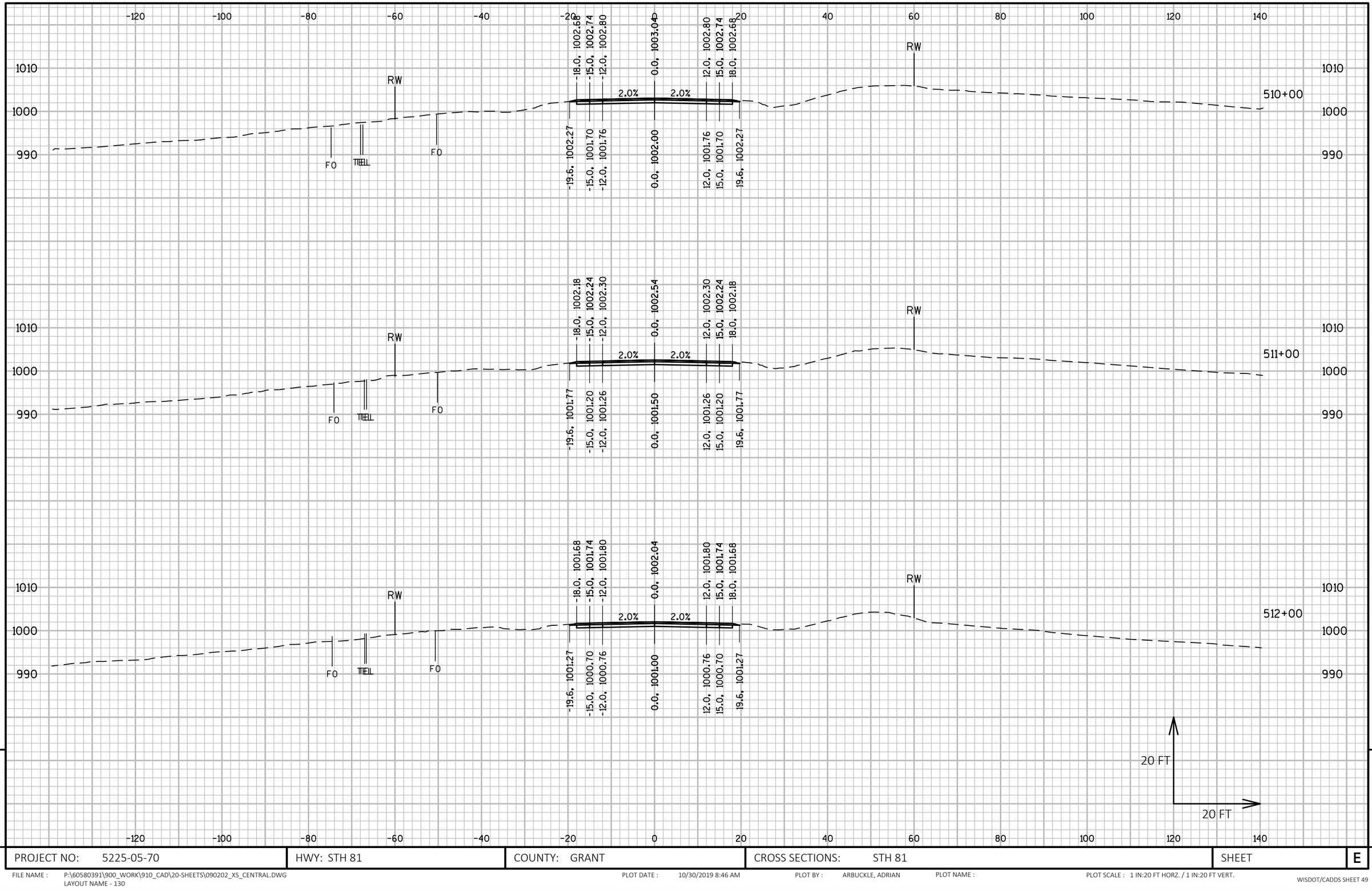


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 129

PLOT DATE : 10/30/2019 8:44 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 130

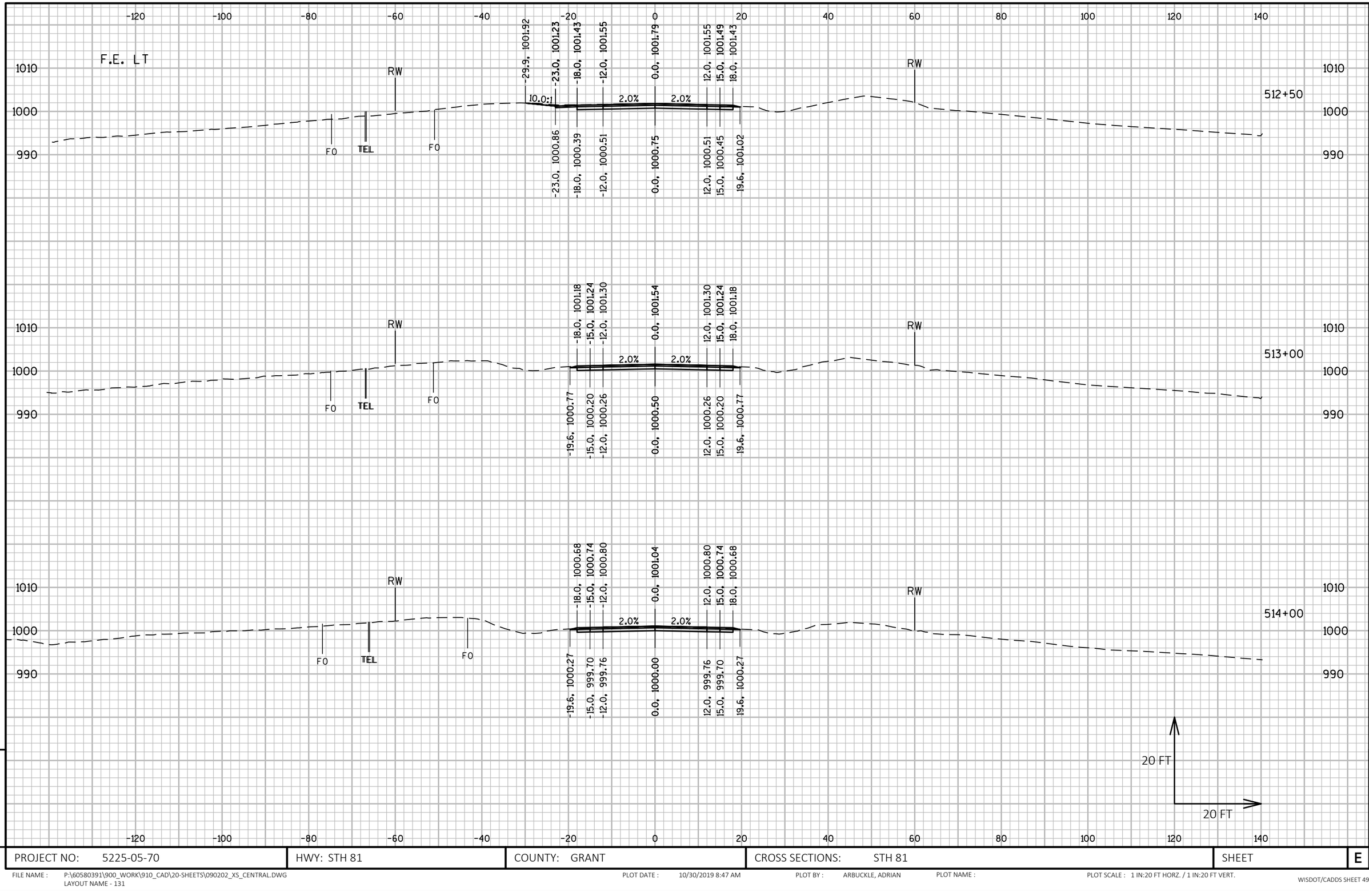
PLOT DATE : 10/30/2019 8:46 AM

PLOT BY : ARBUCKLE, ADRIAN

PLOT NAME :

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

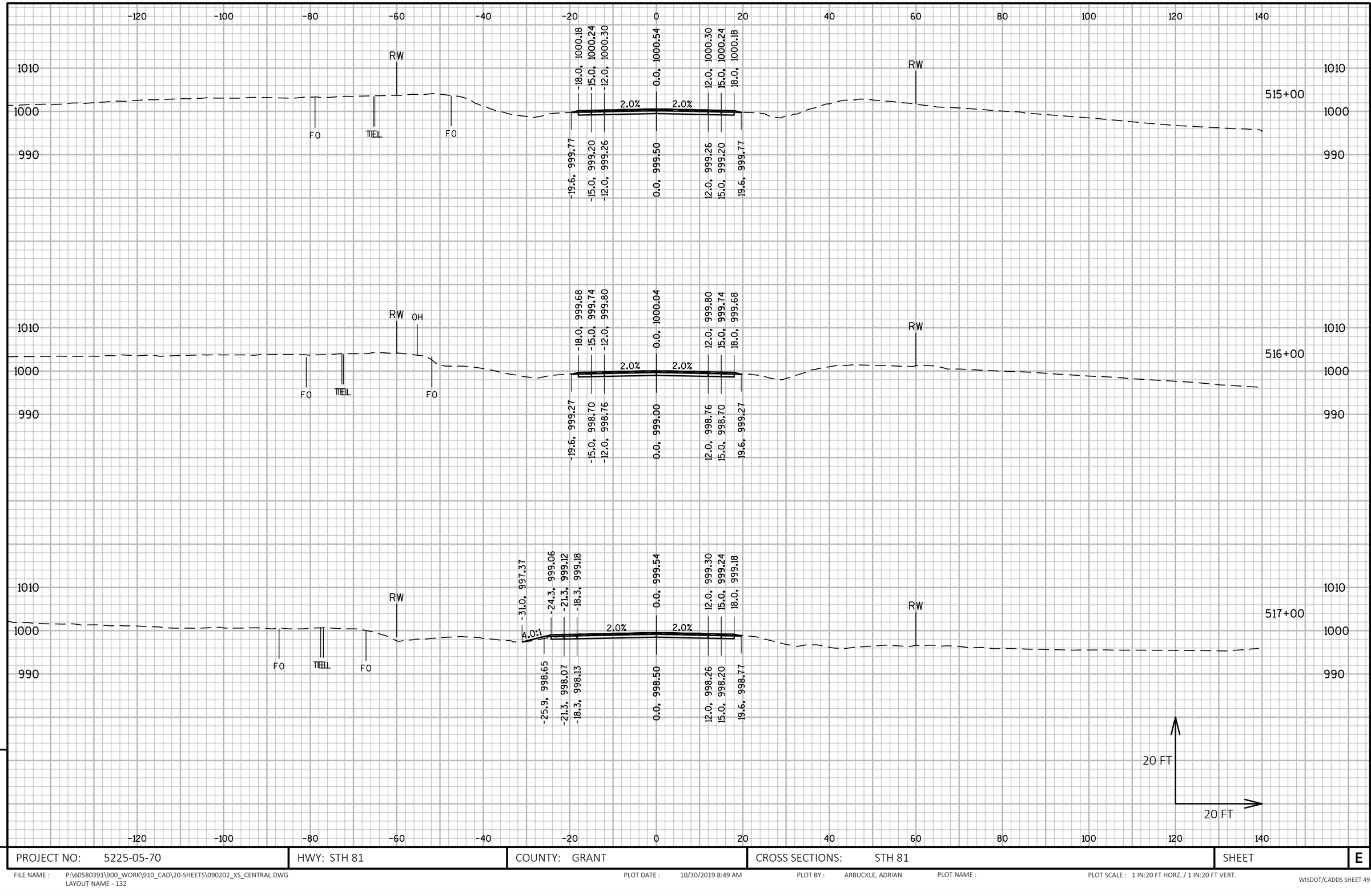
F.E. LT



9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 131
PLOT DATE : 10/30/2019 8:47 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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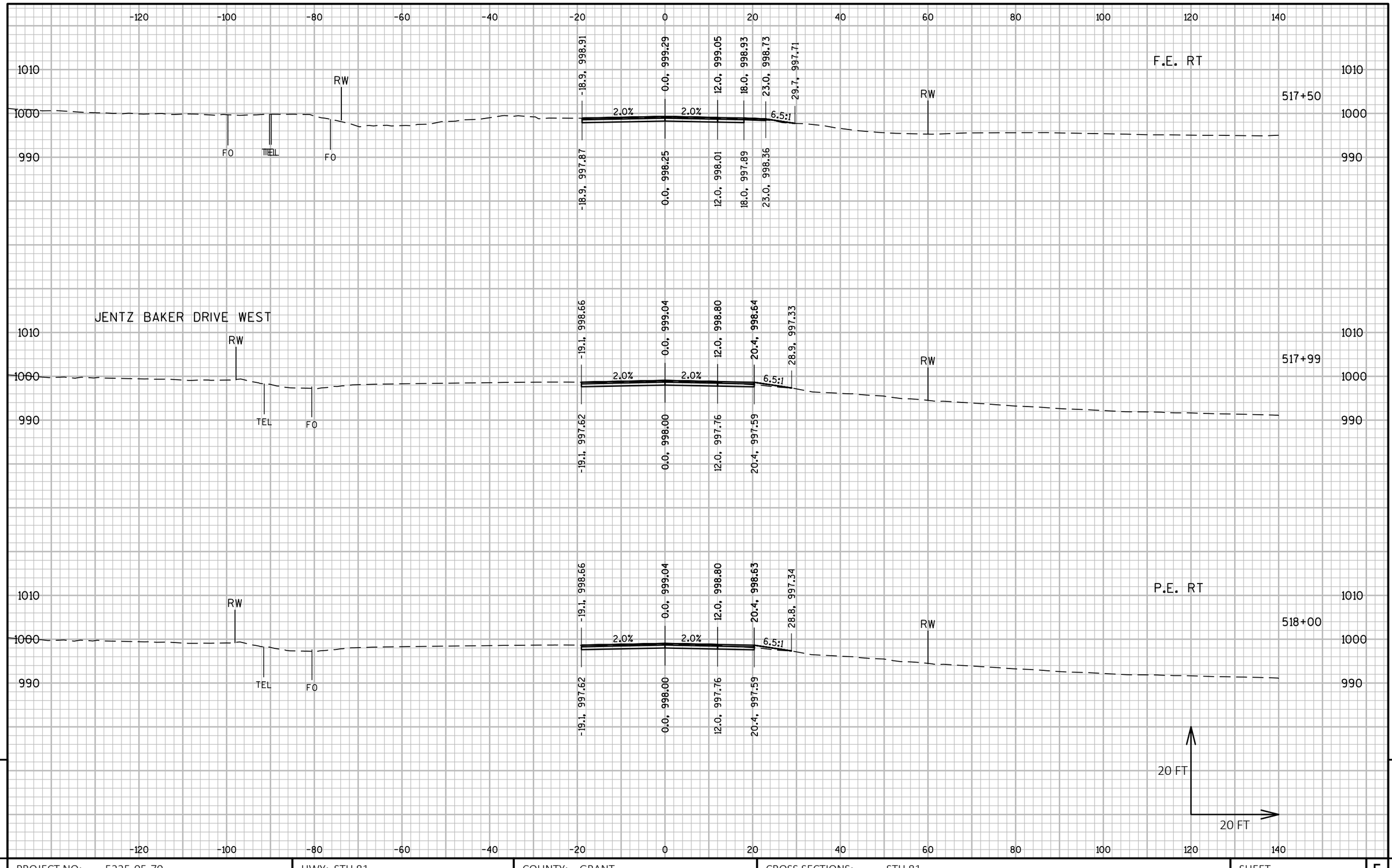
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 132
PLOT DATE : 10/30/2019 8:49 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

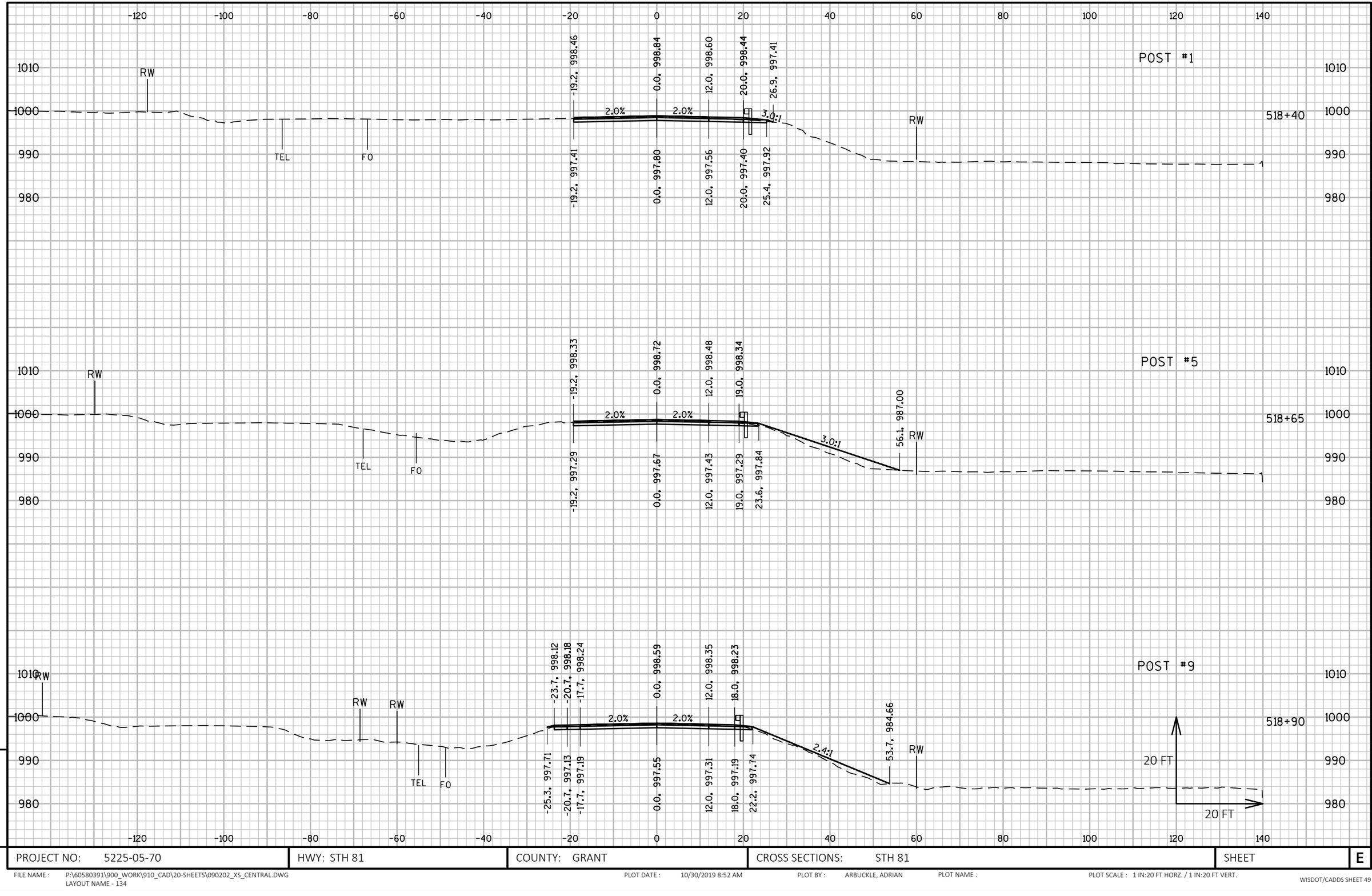


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 133

PLOT DATE : 10/30/2019 8:50 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

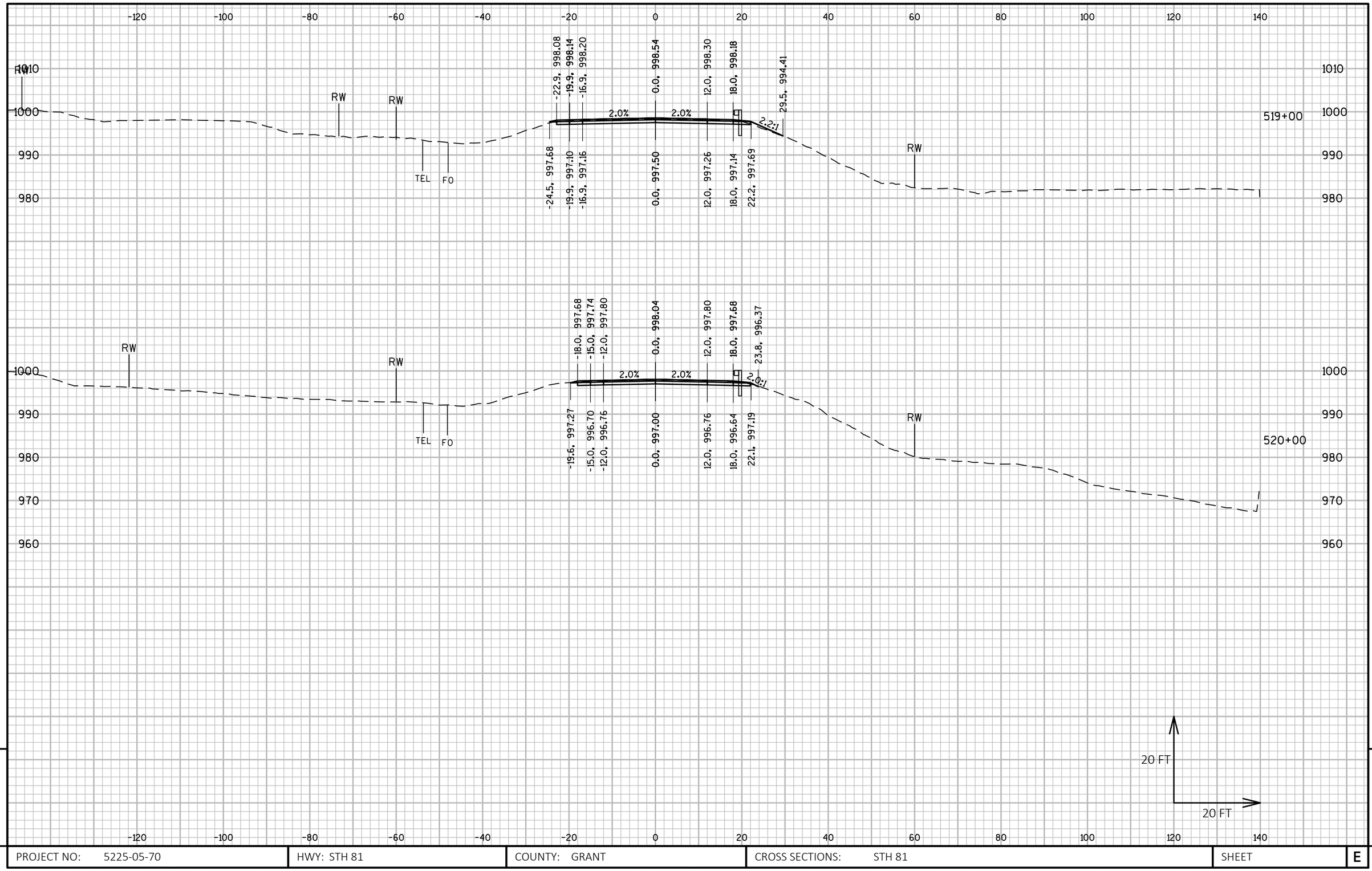
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 134

PLOT DATE : 10/30/2019 8:52 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

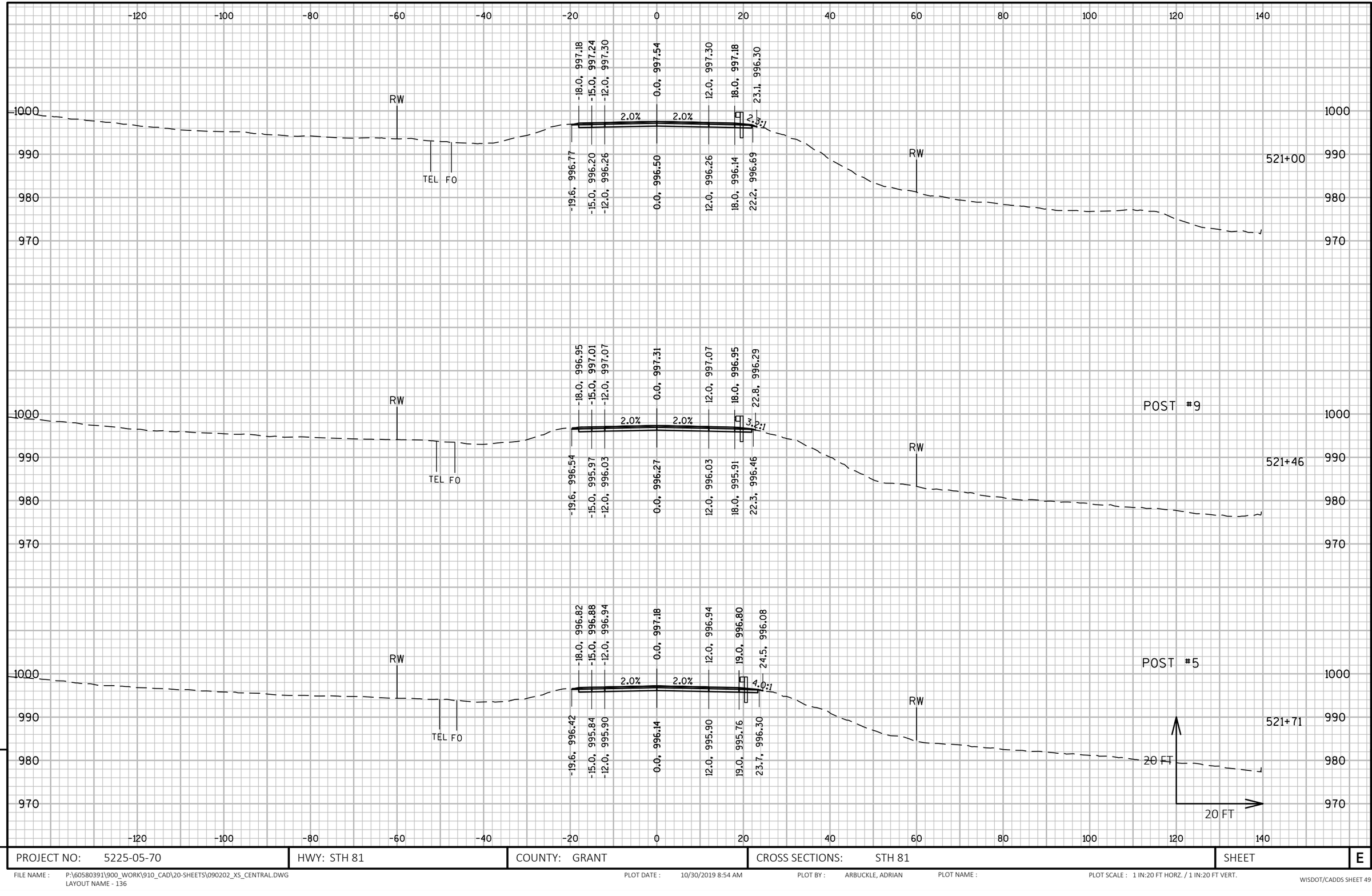


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 135

PLOT DATE : 10/30/2019 8:53 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

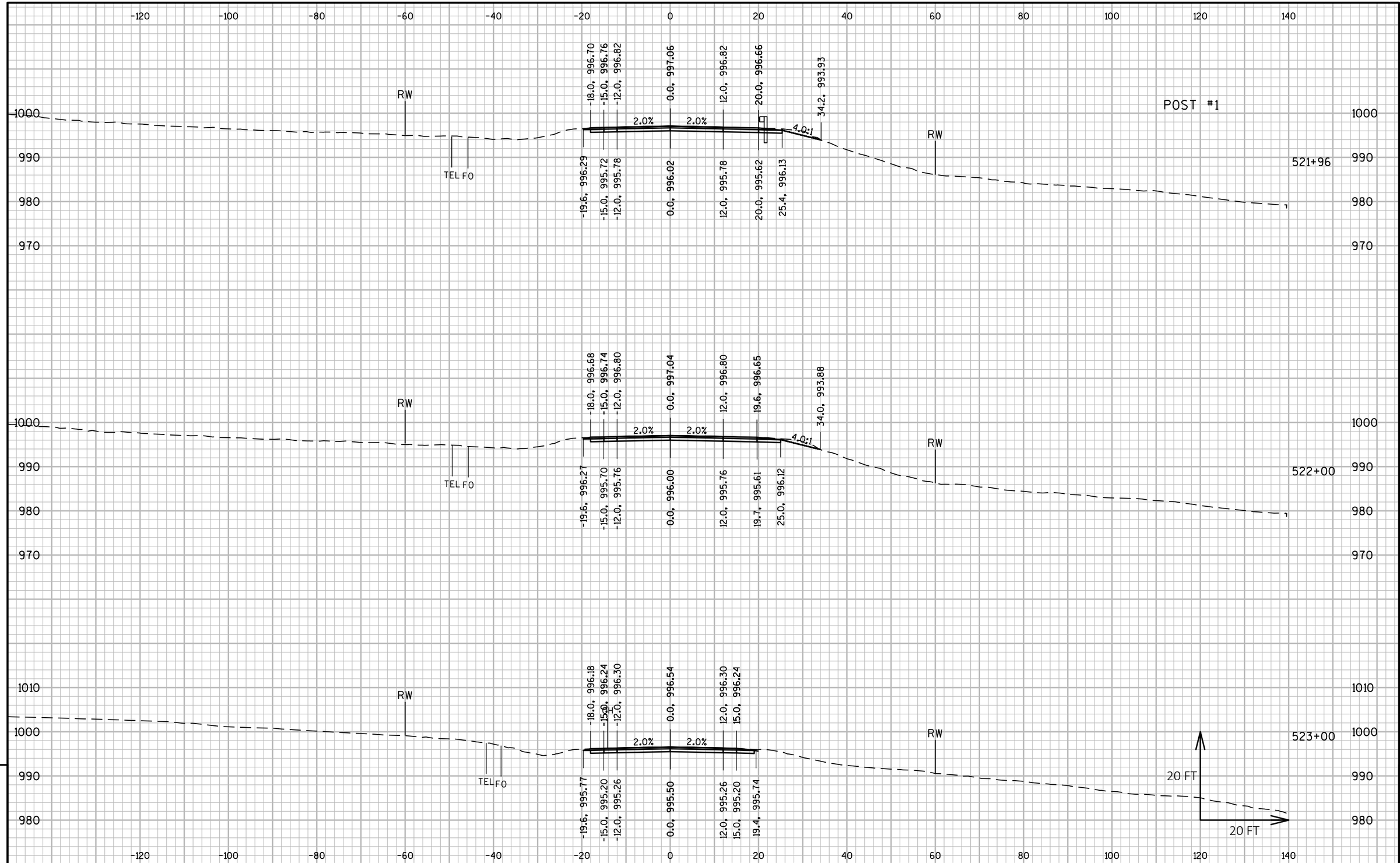


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 136

PLOT DATE : 10/30/2019 8:54 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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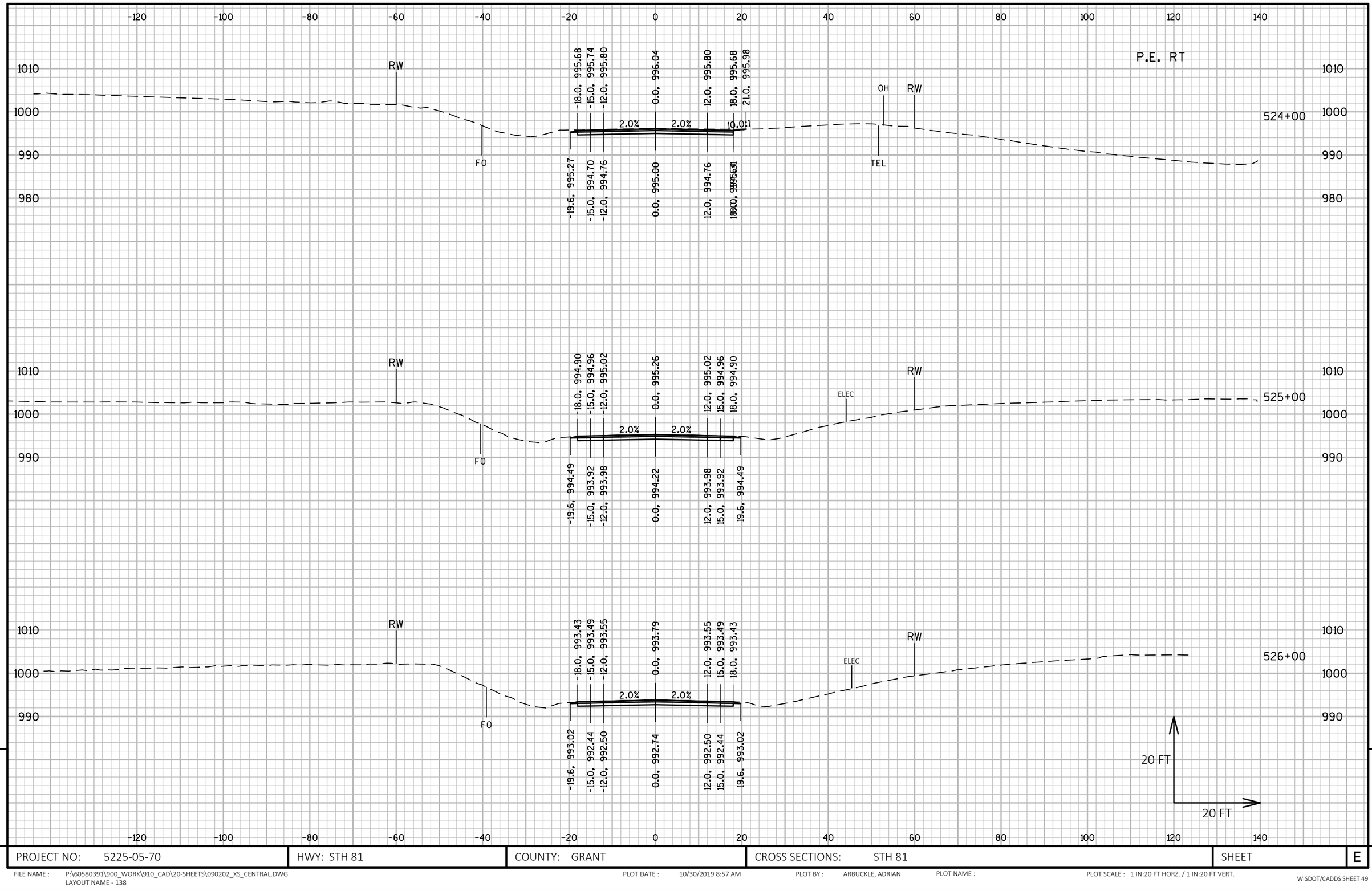
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 137

PLOT DATE : 10/30/2019 8:56 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

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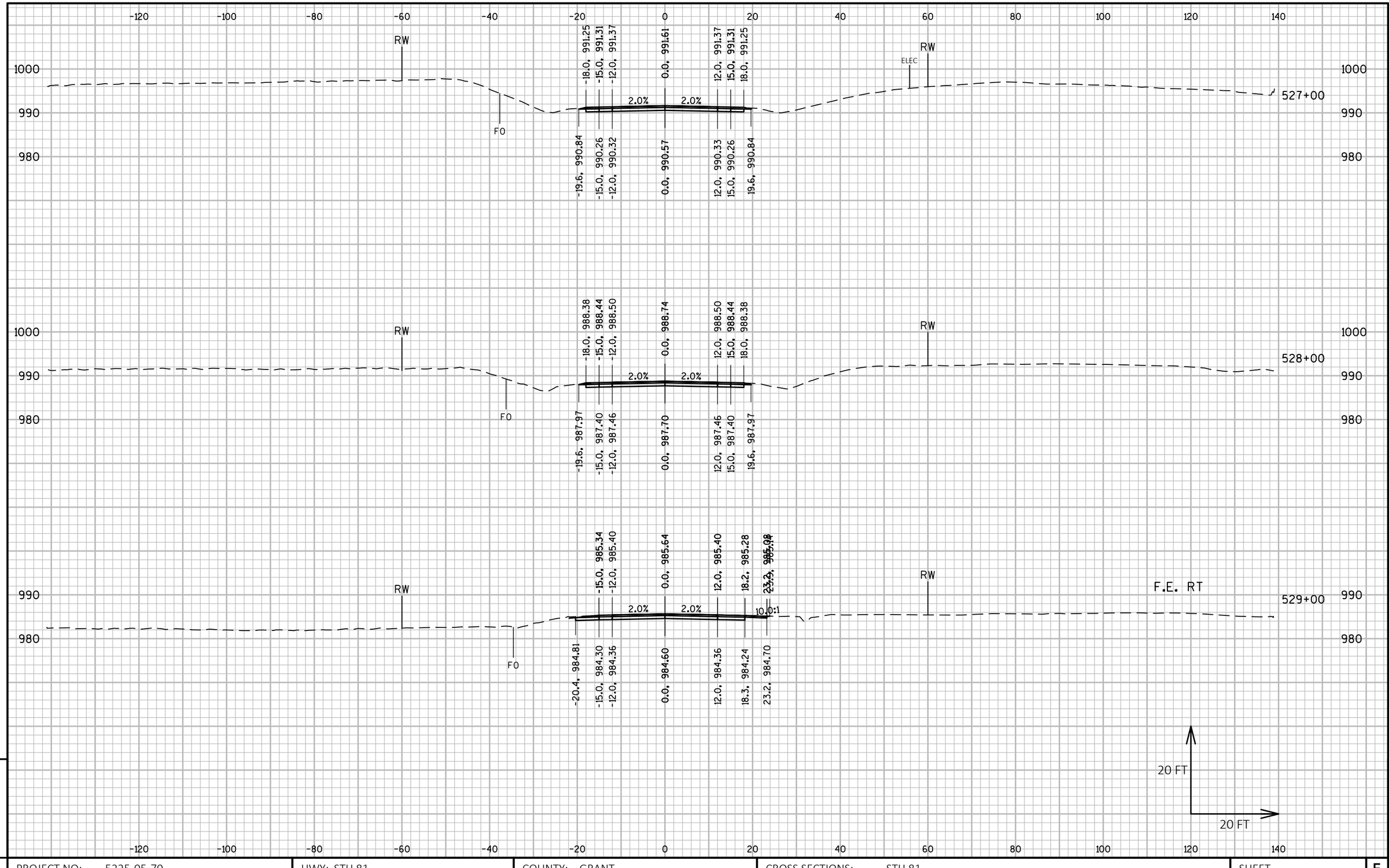
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 138

PLOT DATE : 10/30/2019 8:57 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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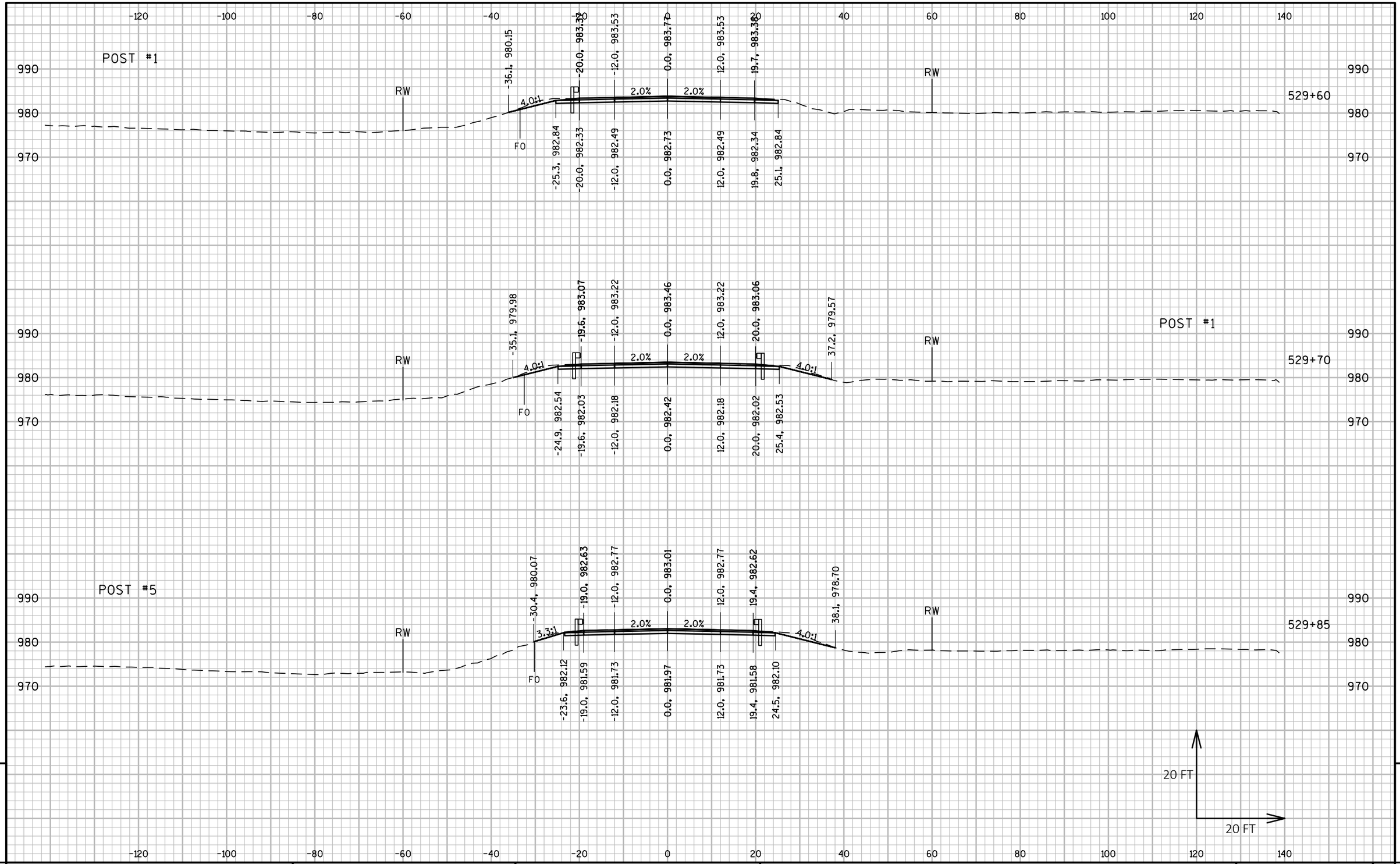
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 139

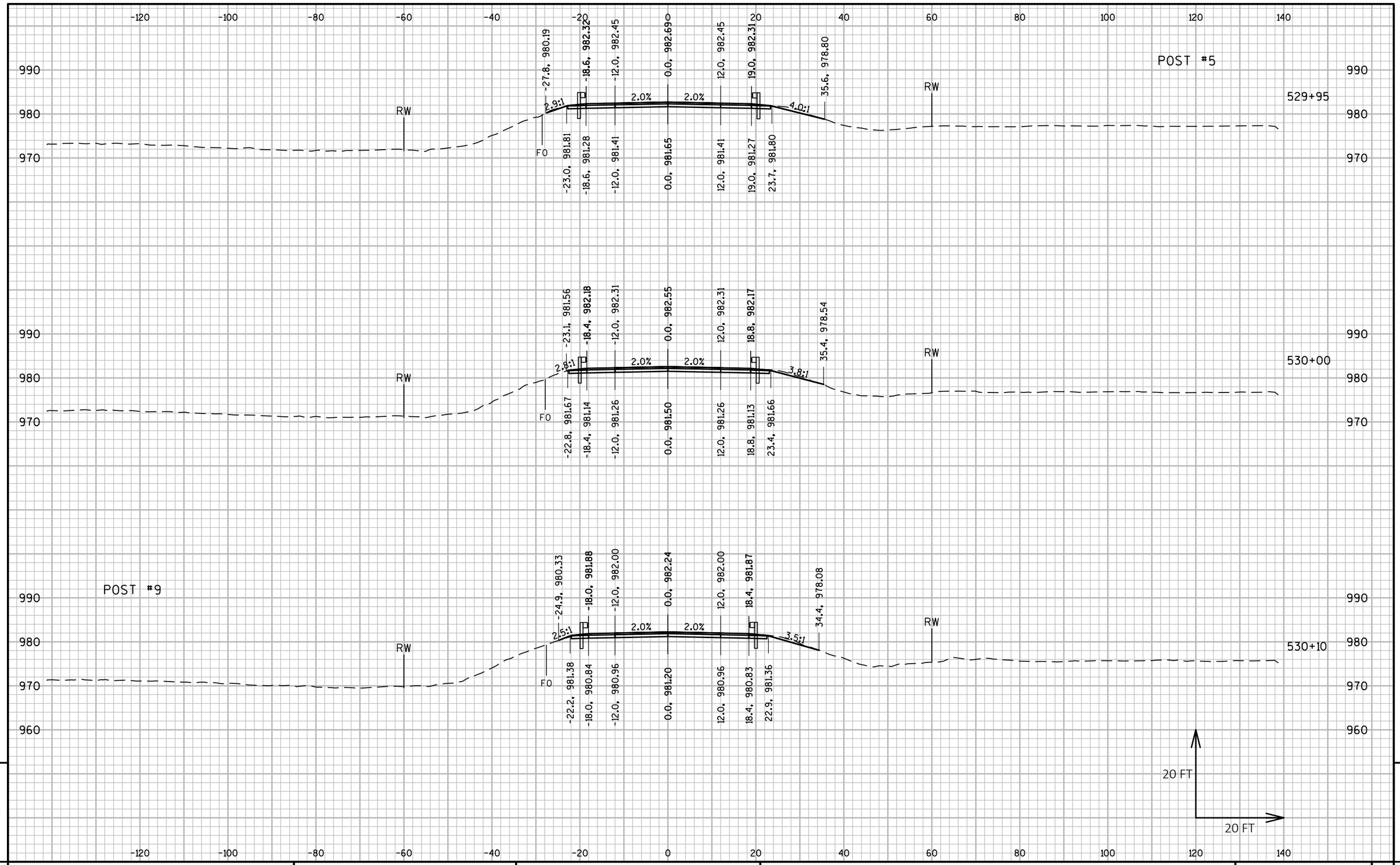
PLOT DATE : 10/30/2019 8:59 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 140

PLOT DATE : 10/30/2019 11:16 AM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

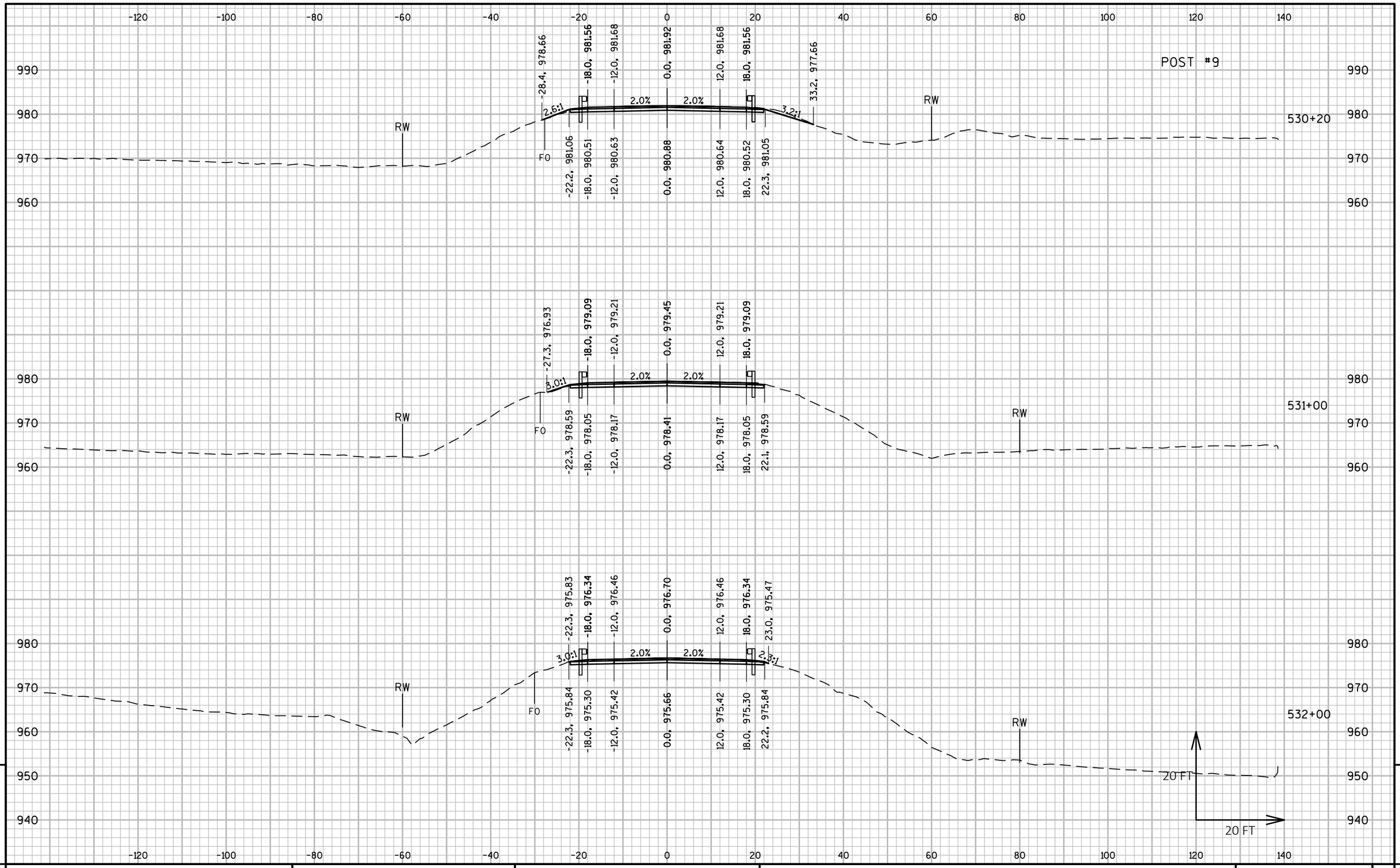


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 141

PLOT DATE : 10/30/2019 11:17 AM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

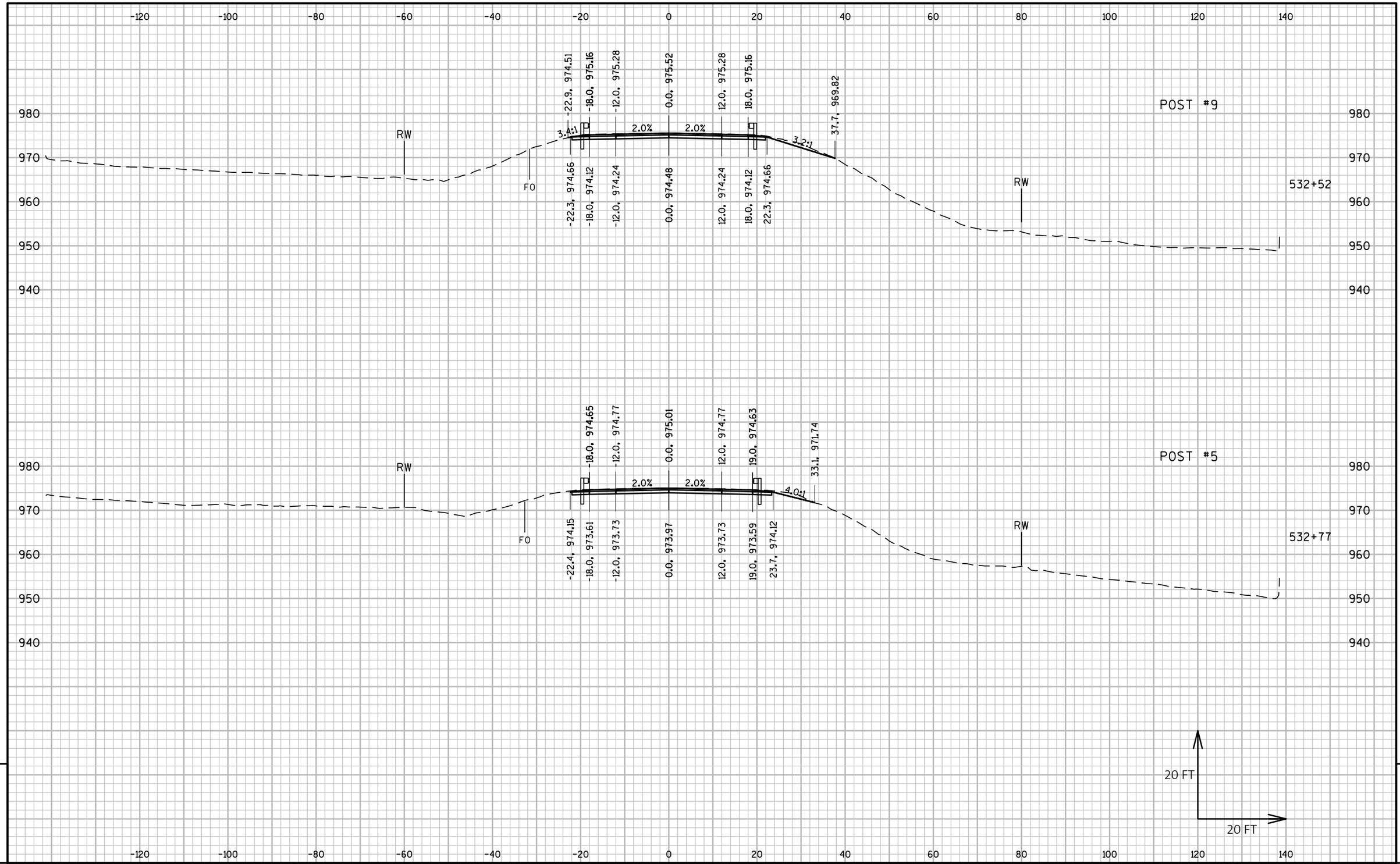
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 142

PLOT DATE : 10/30/2019 9:02 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

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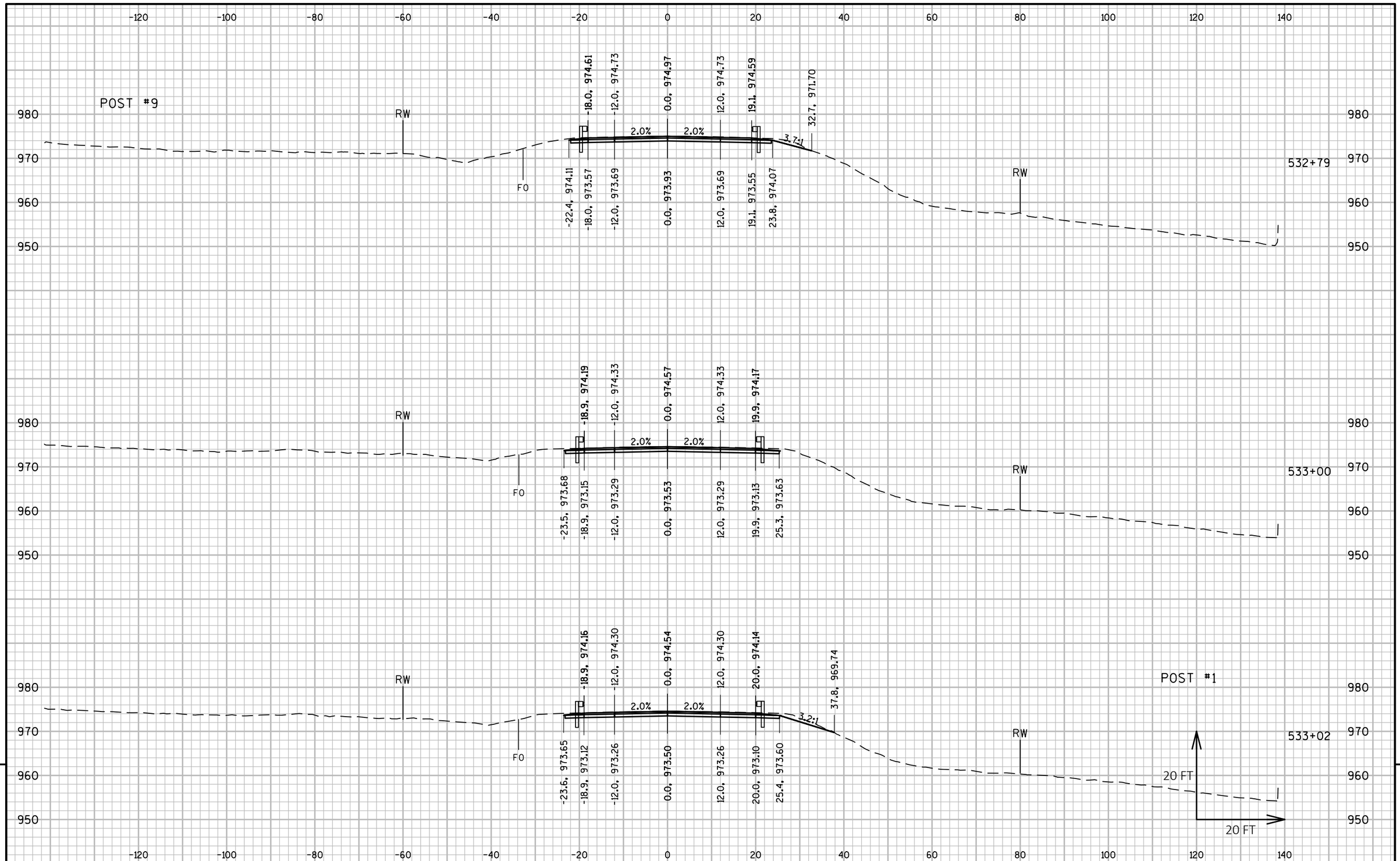
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 143
PLOT DATE : 10/30/2019 9:04 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

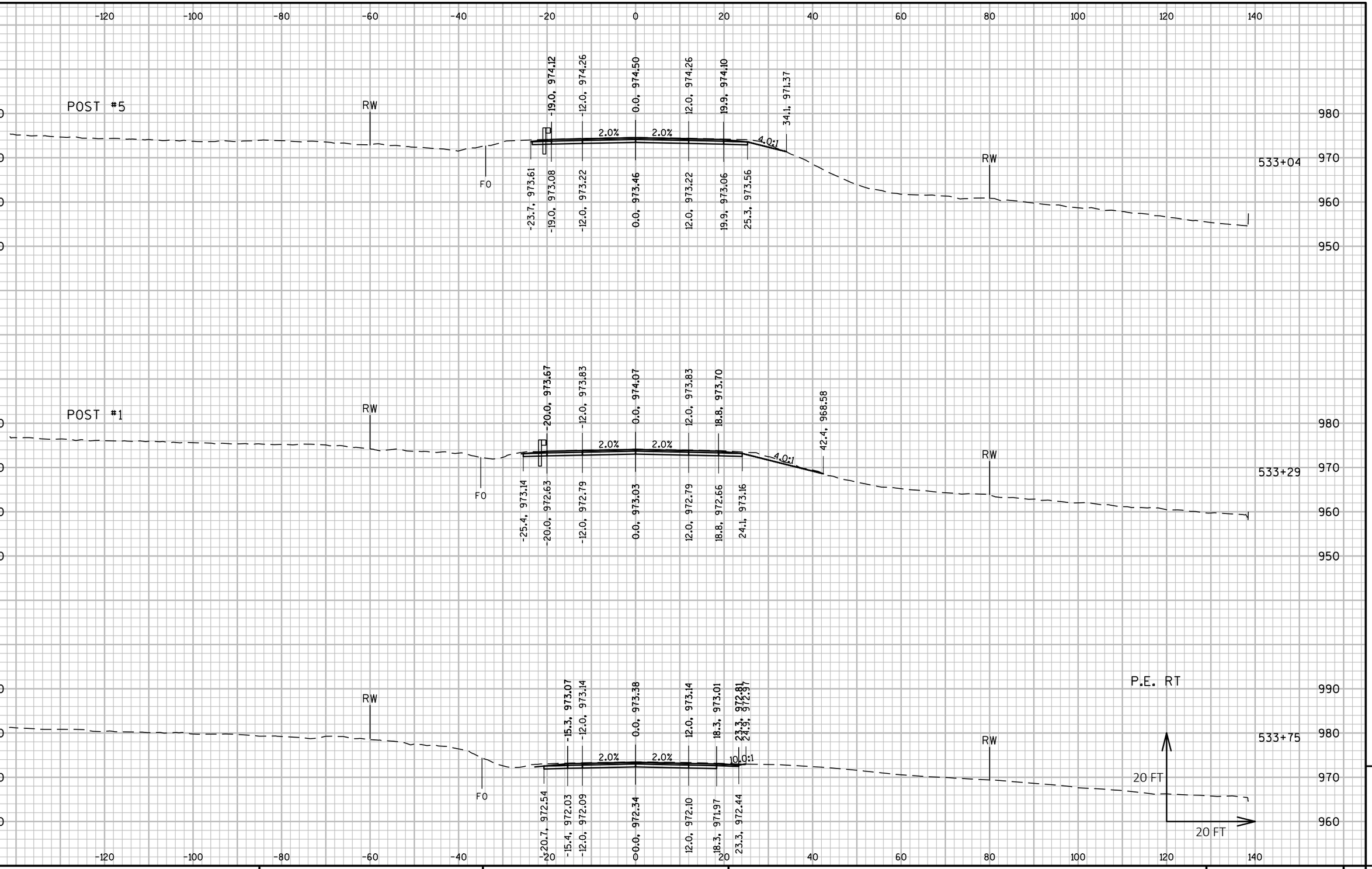
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 144

PLOT DATE : 10/30/2019 11:18 AM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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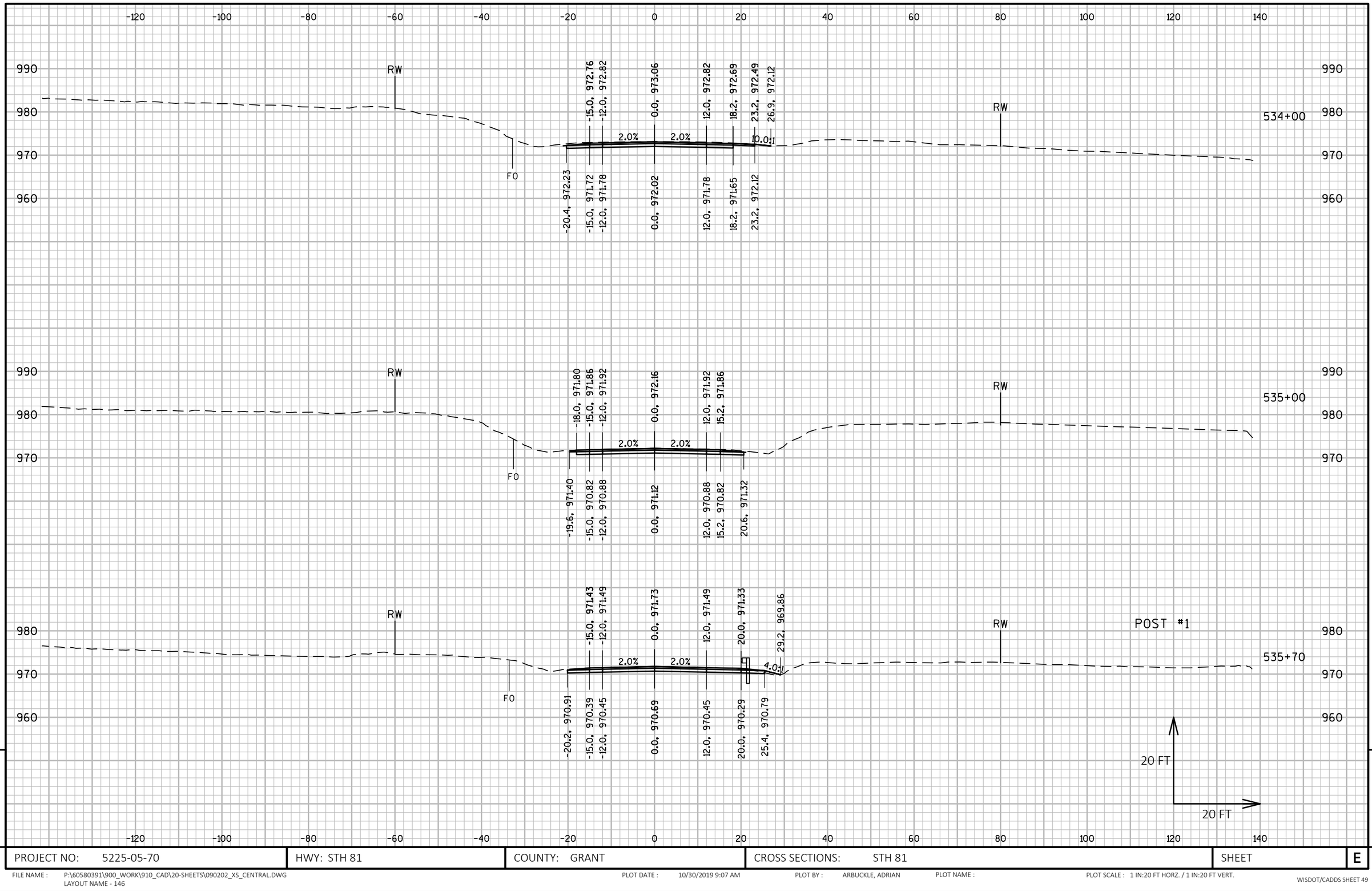
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 145
PLOT DATE : 10/30/2019 11:19 AM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

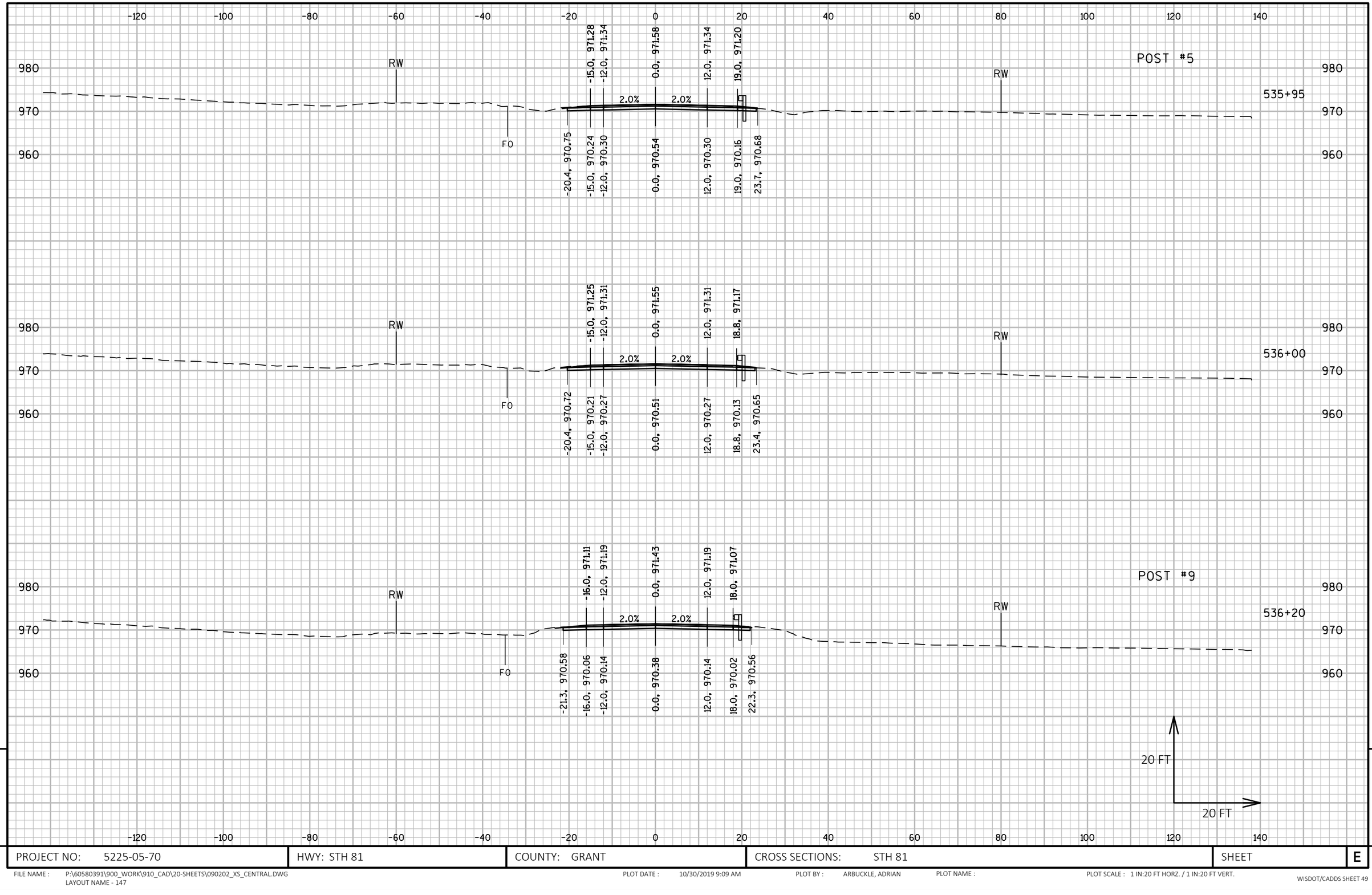
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 146

PLOT DATE : 10/30/2019 9:07 AM

PLOT BY : ARBUCKLE, ADRIAN

PLOT NAME :

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



9

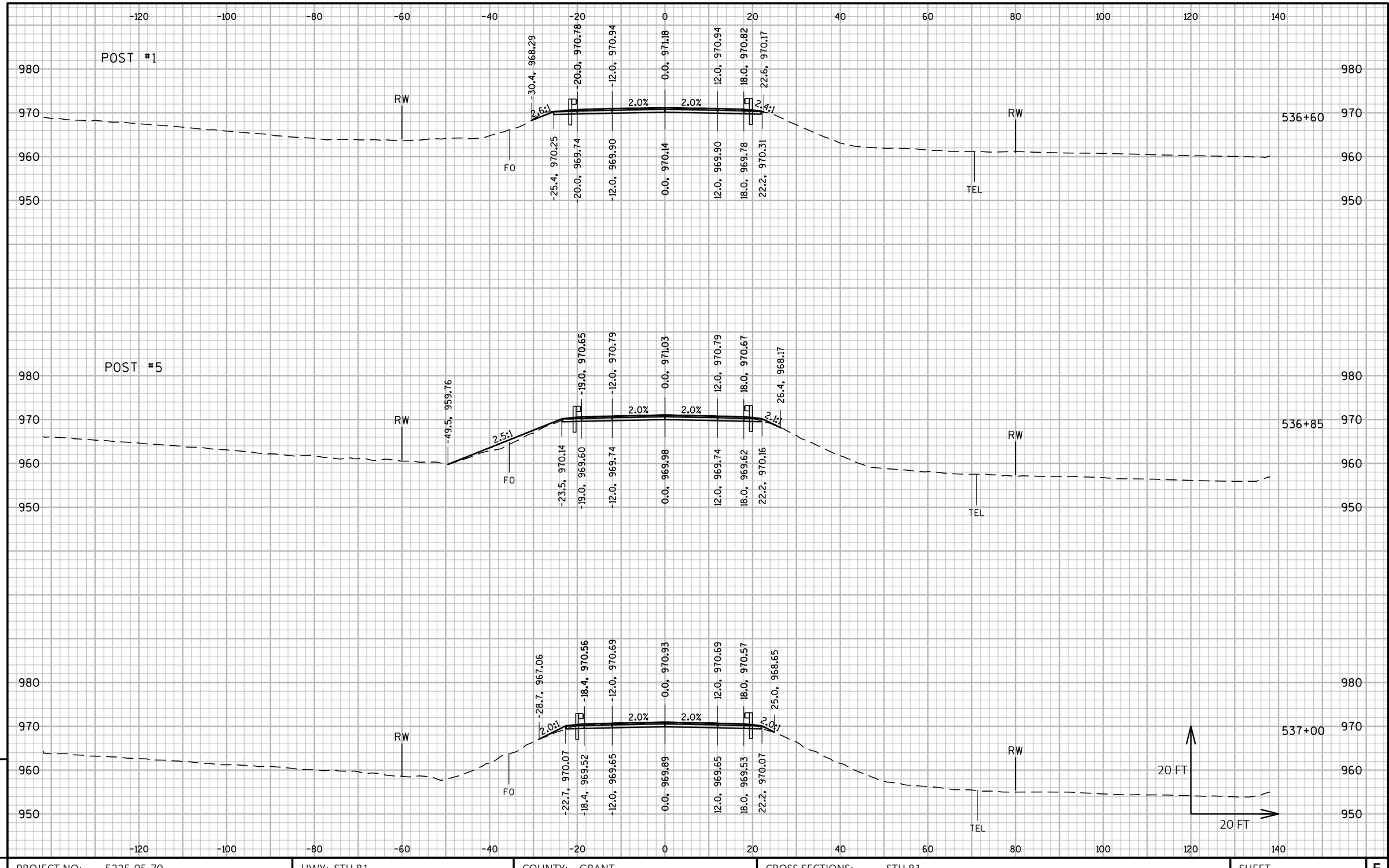
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 147

PLOT DATE : 10/30/2019 9:09 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 148

PLOT DATE : 10/30/2019 9:10 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

POST #9

537+10

RW

FO

TEL

-32.4, 964.91

-22.2, 970.02 | -18.0, 970.51 | -12.0, 970.63 | 0.0, 970.87 | 12.0, 970.63 | 18.0, 970.51 | 24.0, 969.07

-22.2, 969.47 | -18.0, 969.47 | -12.0, 969.59 | 0.0, 969.83 | 12.0, 969.59 | 18.0, 969.47 | 22.2, 970.01

2.0% 2.0%

2.0:1 2.0:1

538+00

RW

FO

TEL

-22.3, 969.37

-22.2, 969.47 | -18.0, 969.96 | -12.0, 970.08 | 0.0, 970.32 | 12.0, 970.08 | 18.0, 969.96 | 24.9, 968.32

-22.2, 968.91 | -18.0, 968.91 | -12.0, 969.03 | 0.0, 969.27 | 12.0, 969.03 | 18.0, 968.91 | 22.2, 969.45

2.0% 2.0%

2.0:1 2.4:1

20 FT

20 FT

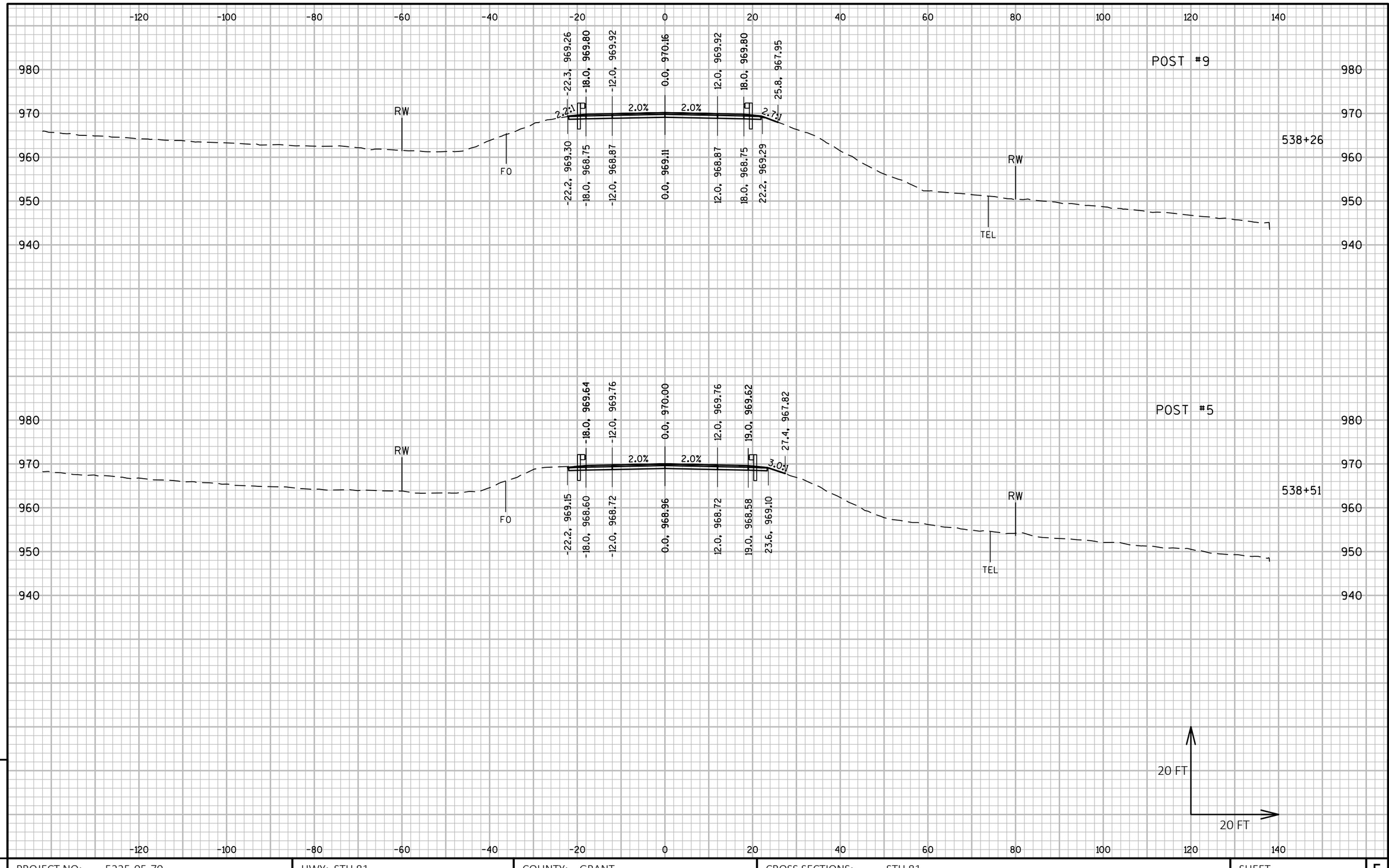
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 149

PLOT DATE : 10/30/2019 9:12 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



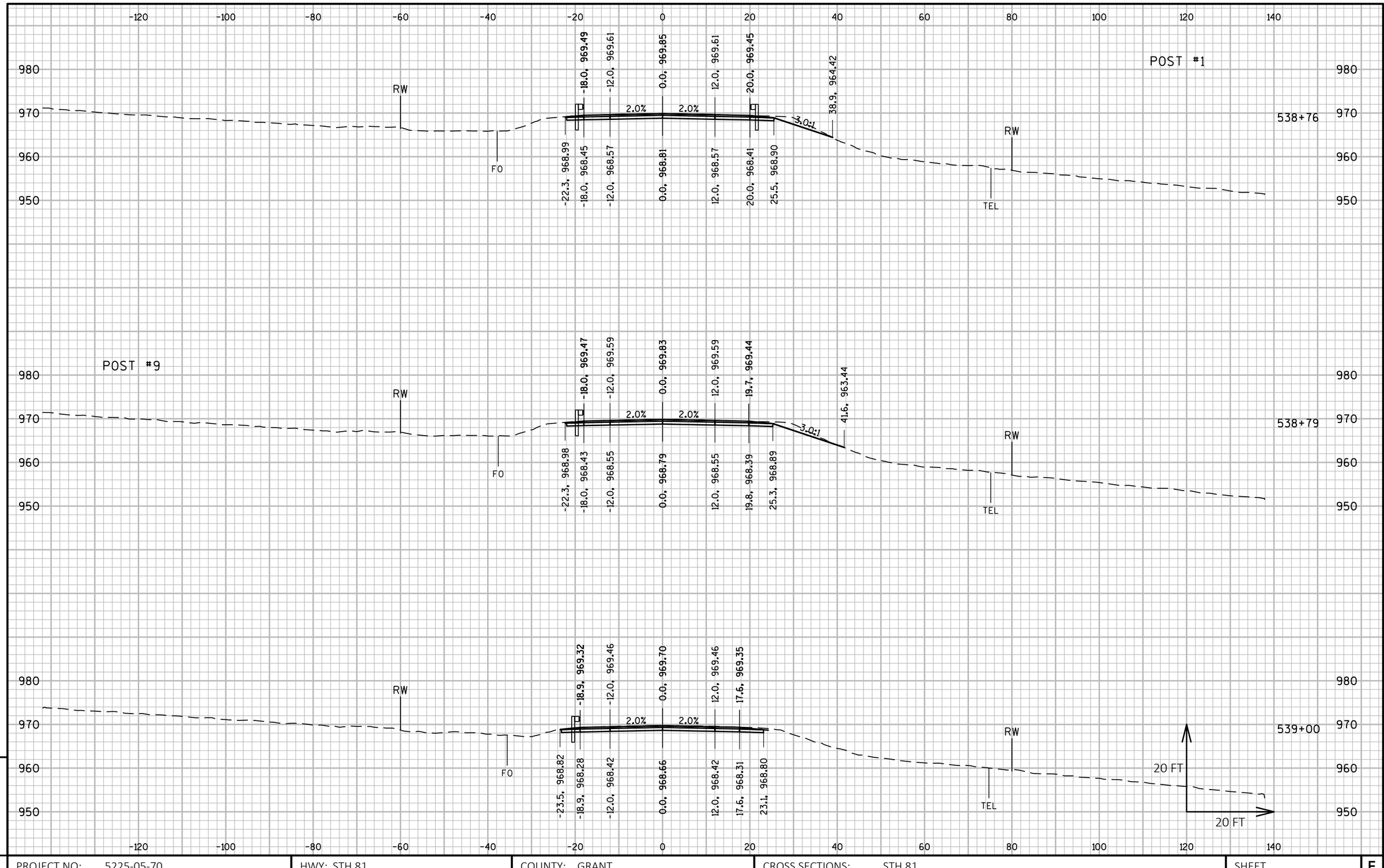
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 150

PLOT DATE : 10/30/2019 9:13 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



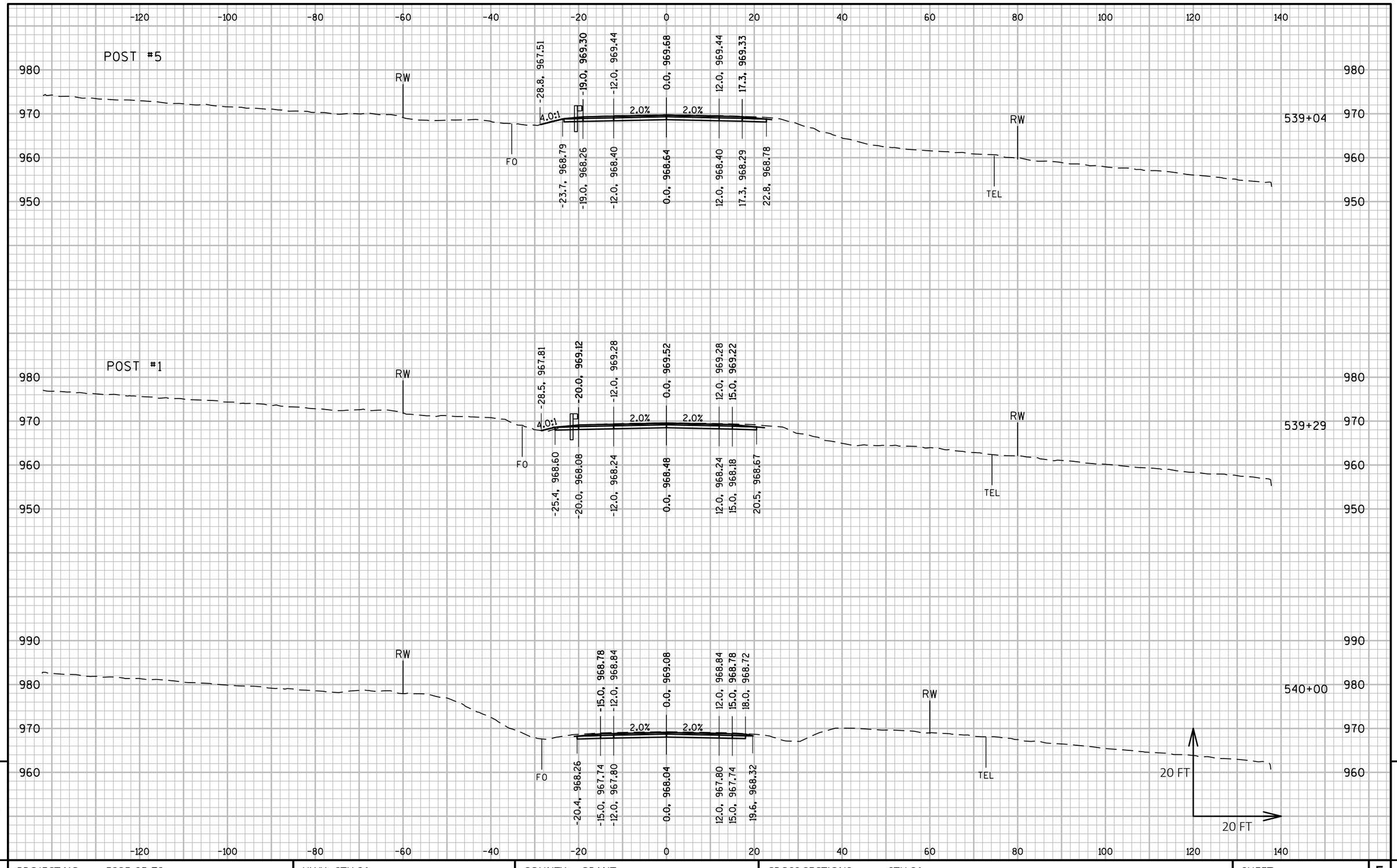
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

9

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 151

PLOT DATE : 10/30/2019 9:15 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

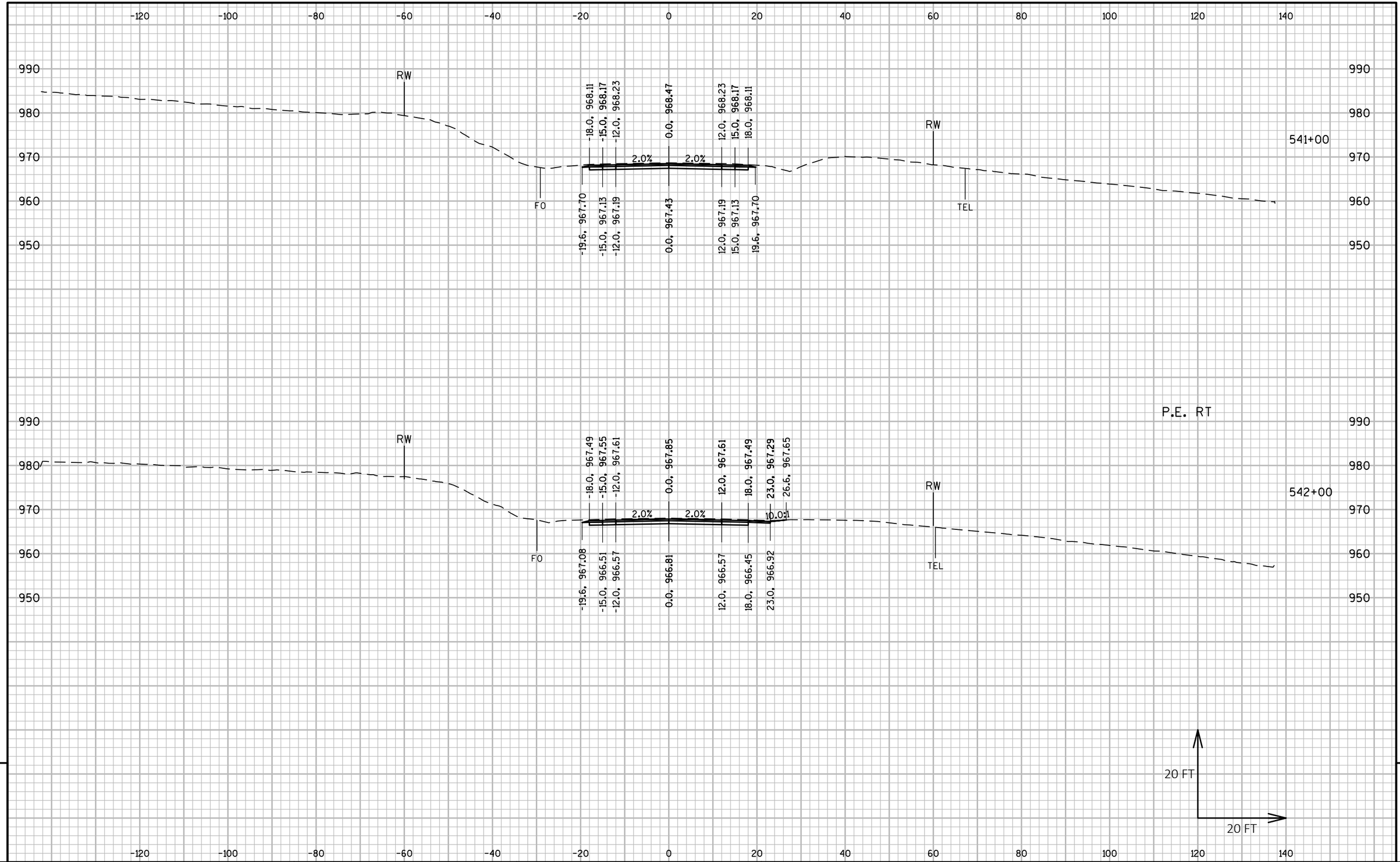
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 152

PLOT DATE : 10/30/2019 11:20 AM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

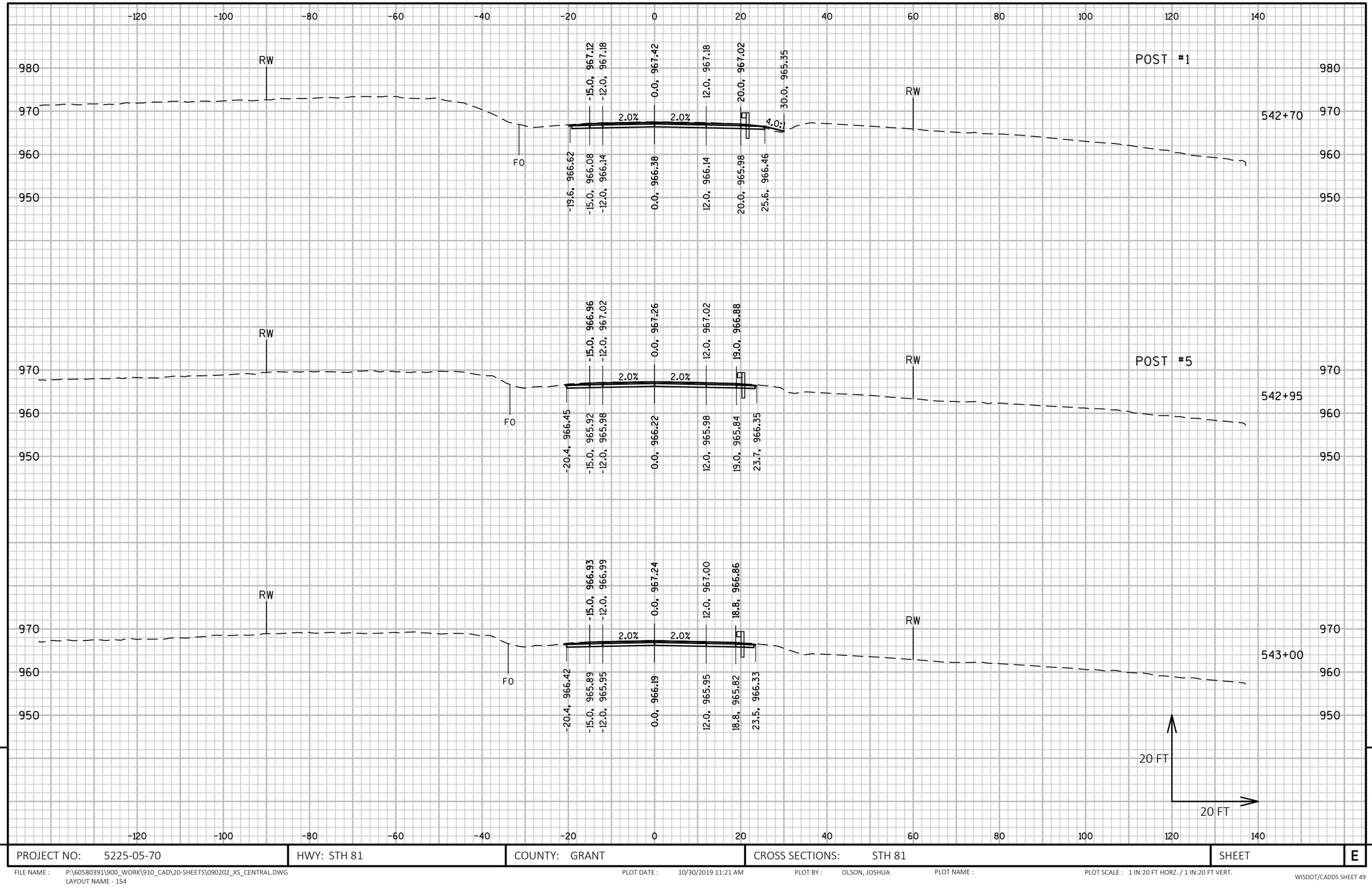
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 153

PLOT DATE : 10/30/2019 9:17 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

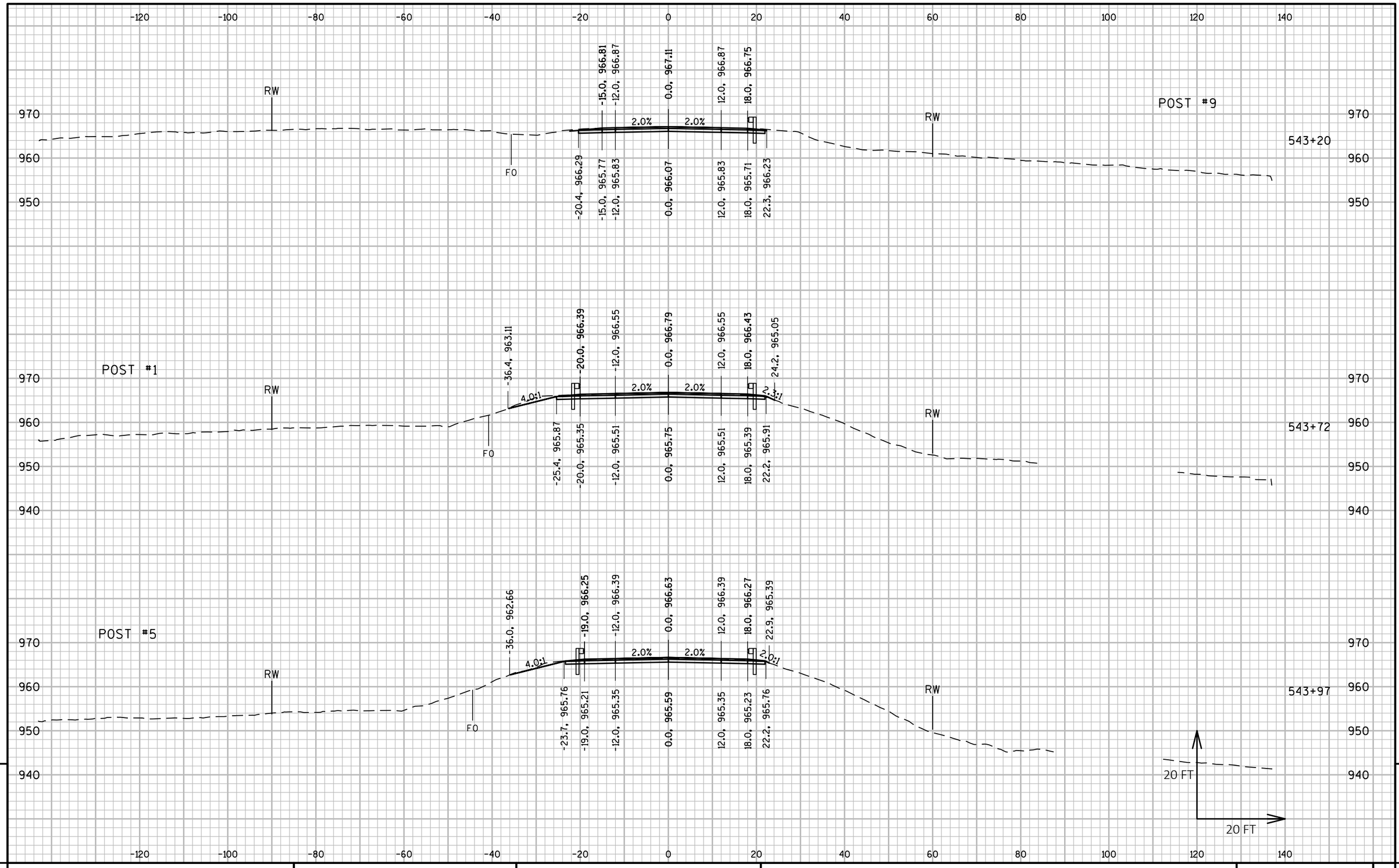


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 154

PLOT DATE : 10/30/2019 11:21 AM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

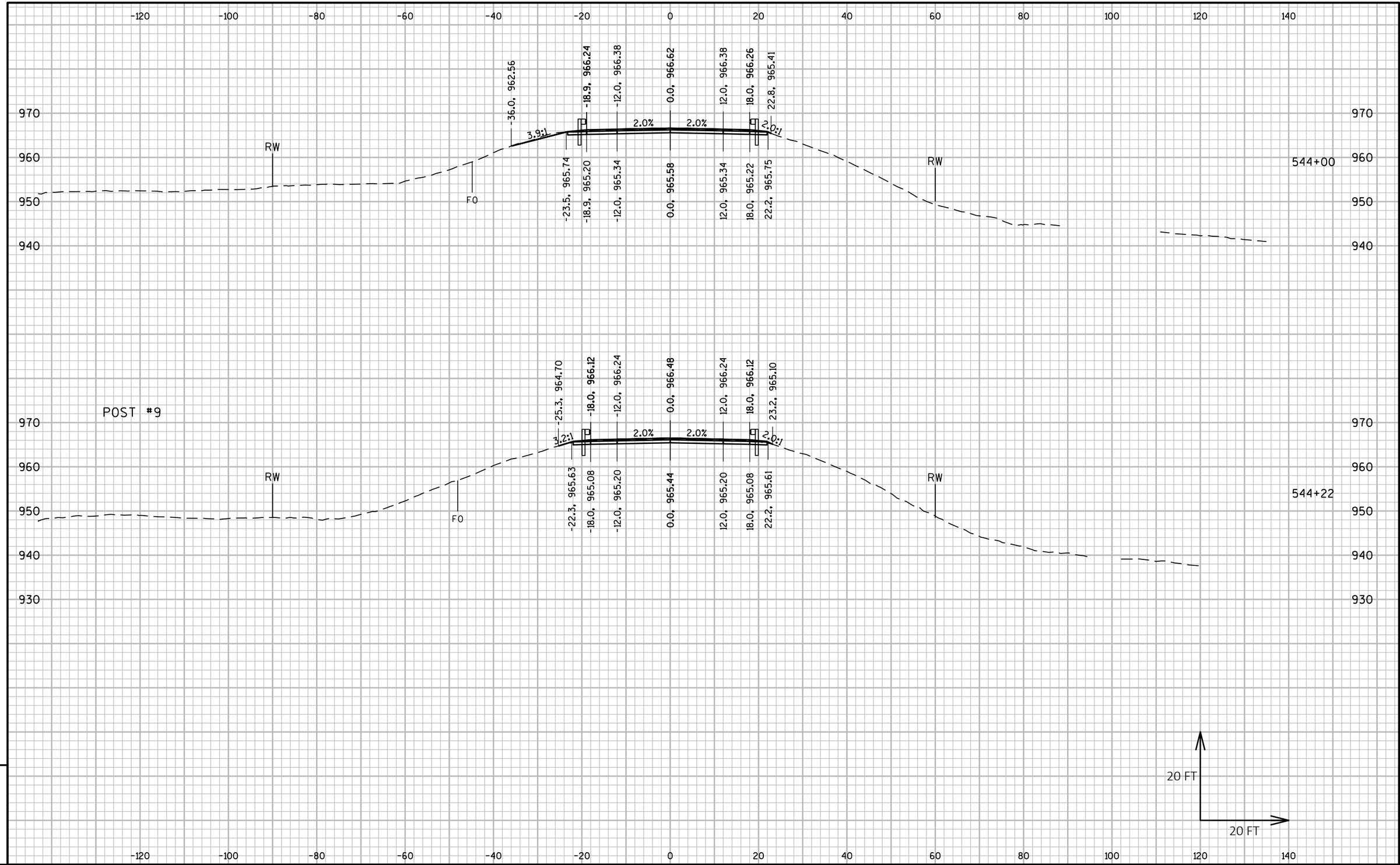


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 155

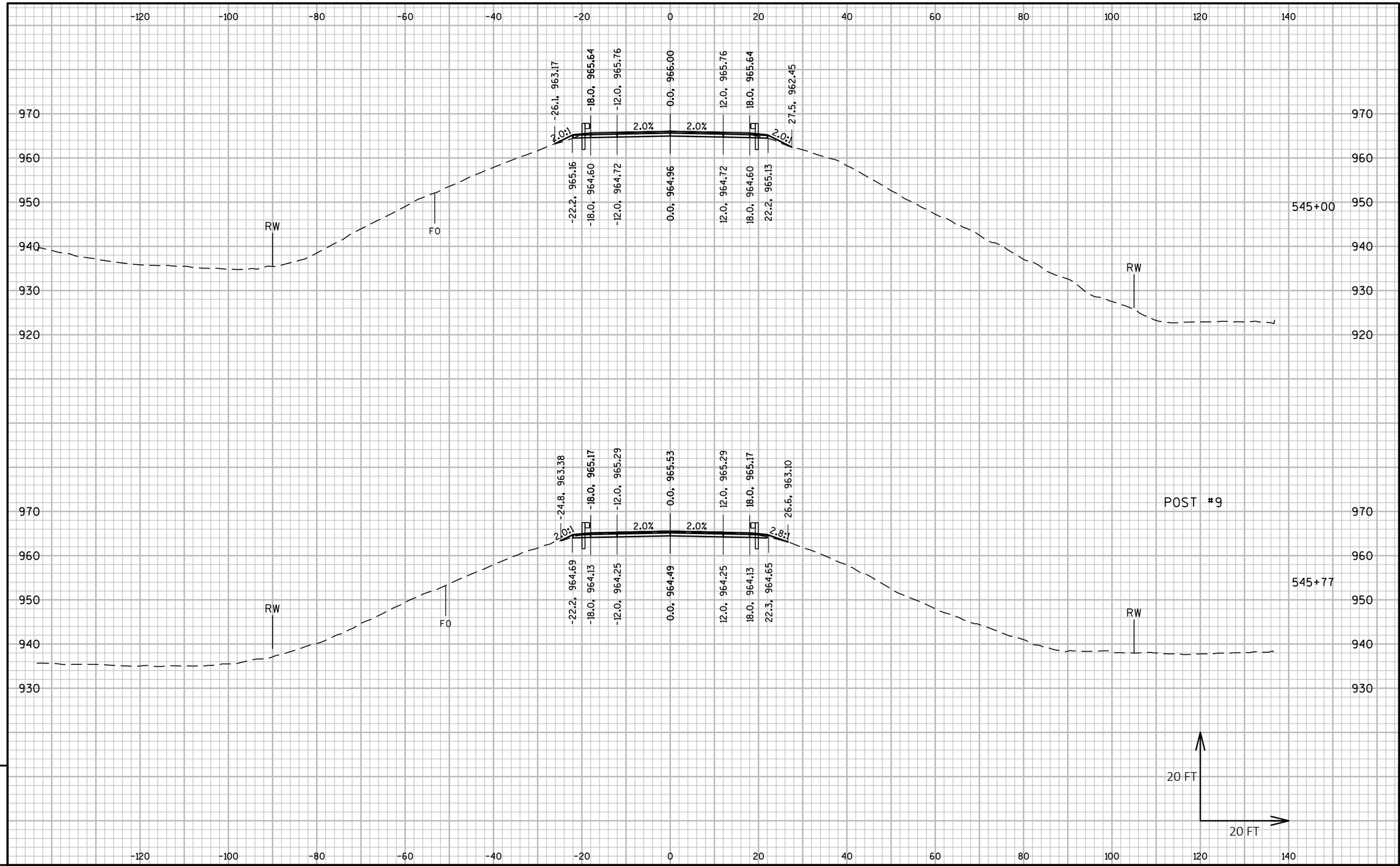
PLOT DATE : 10/30/2019 9:20 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 156
PLOT DATE : 10/30/2019 9:21 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

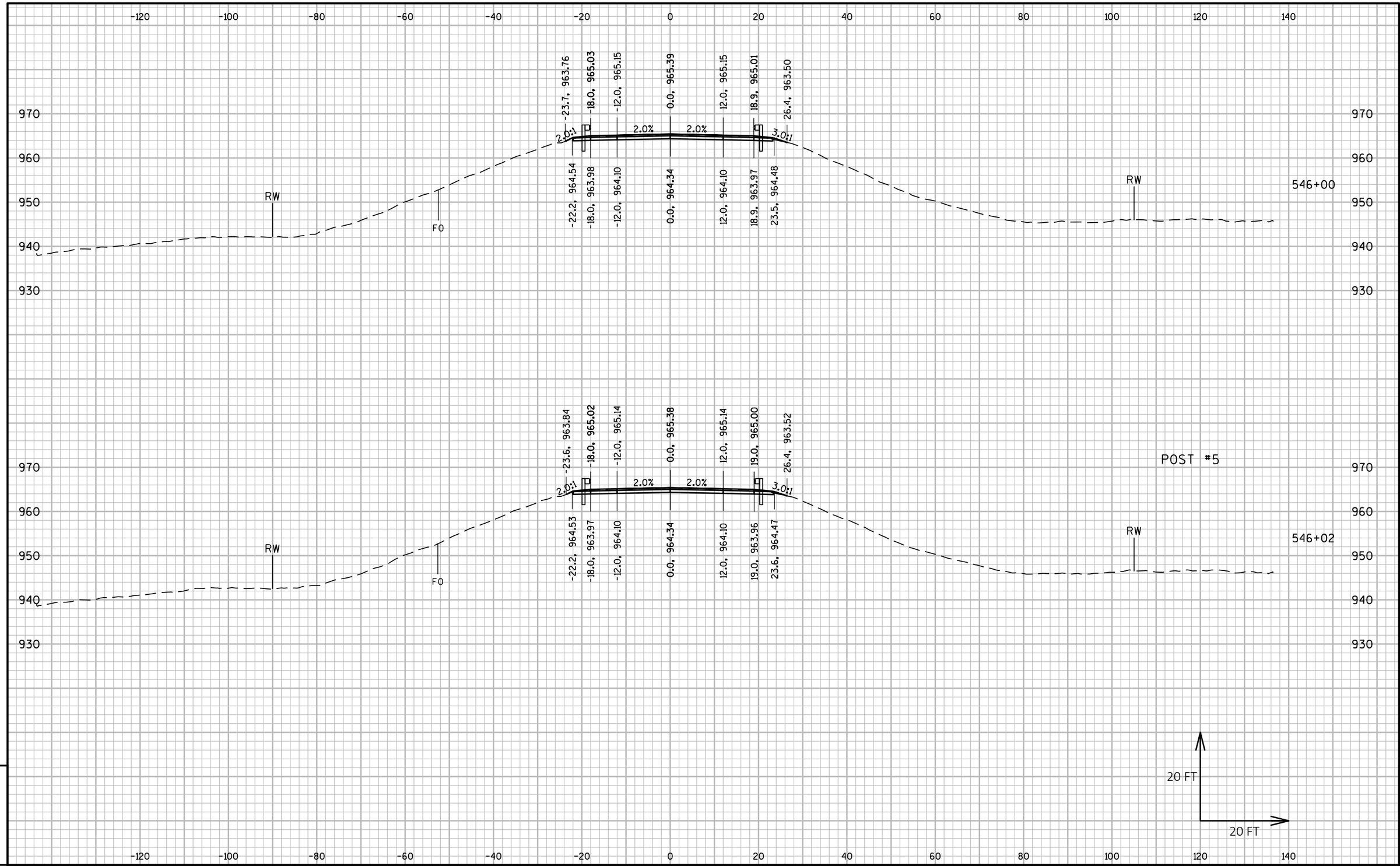


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 157

PLOT DATE : 10/30/2019 9:22 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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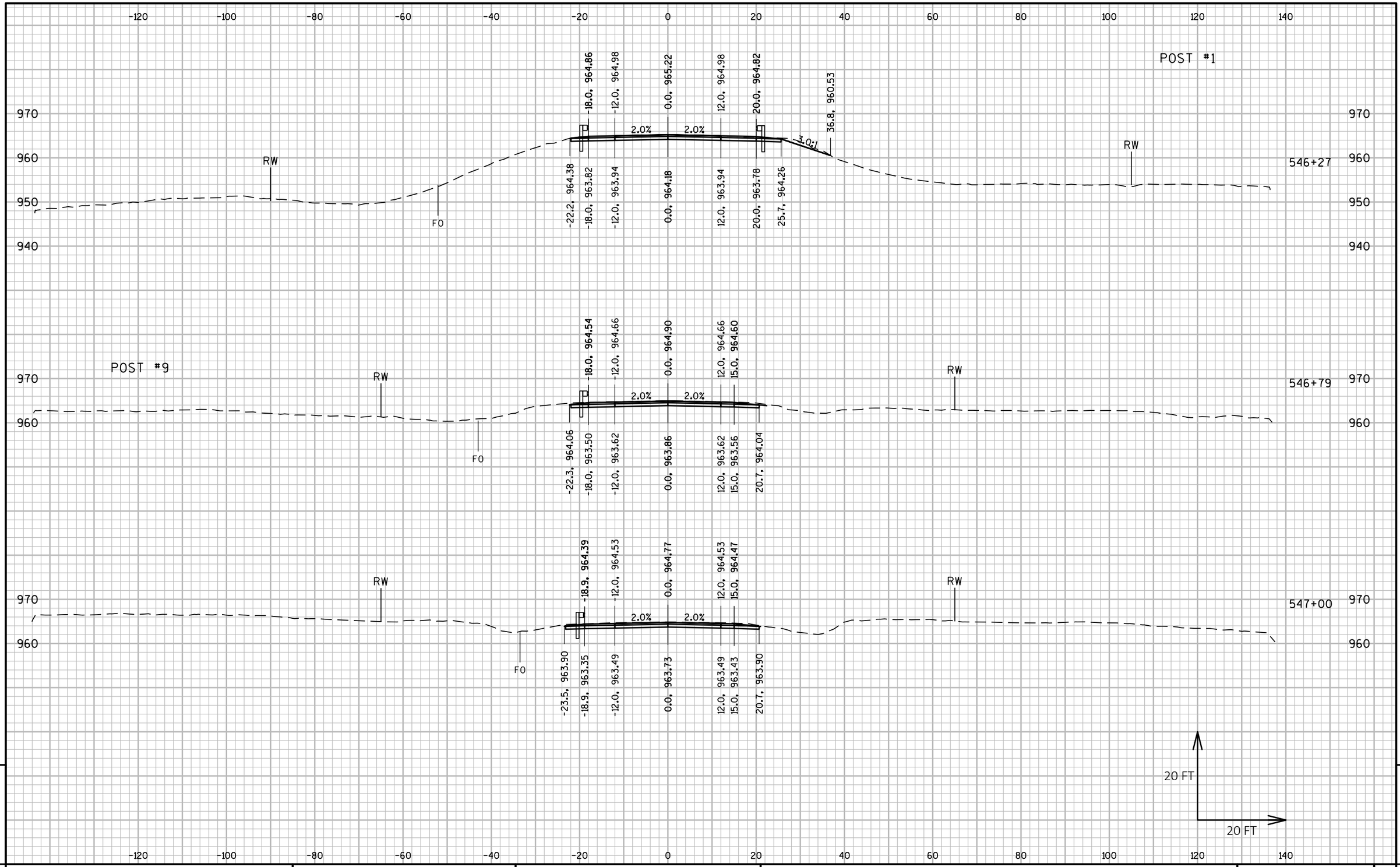
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 158

PLOT DATE : 10/30/2019 9:23 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

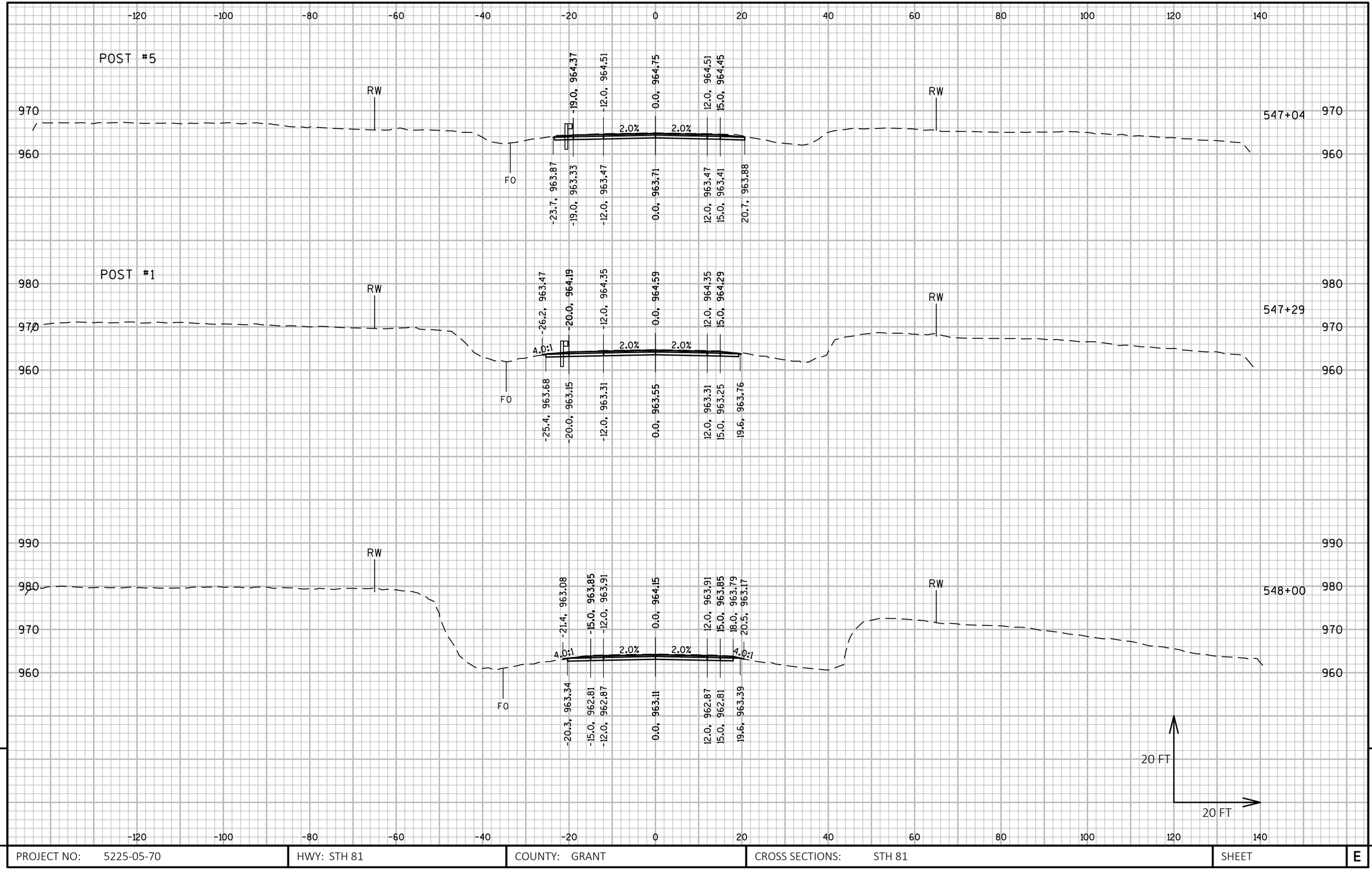
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 159

PLOT DATE : 10/30/2019 9:25 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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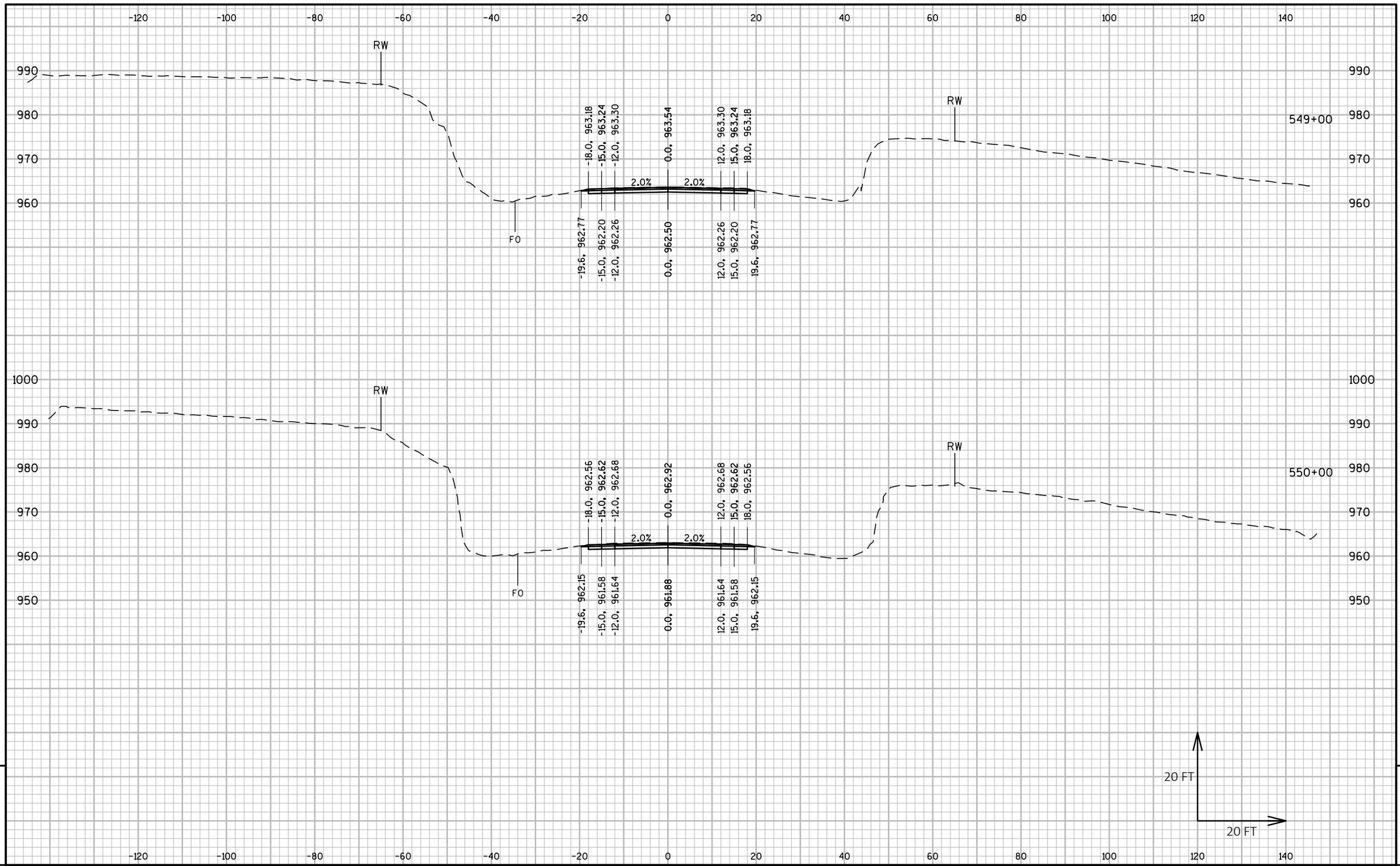
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 160

PLOT DATE : 10/30/2019 9:26 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 161

PLOT DATE : 10/30/2019 9:27 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

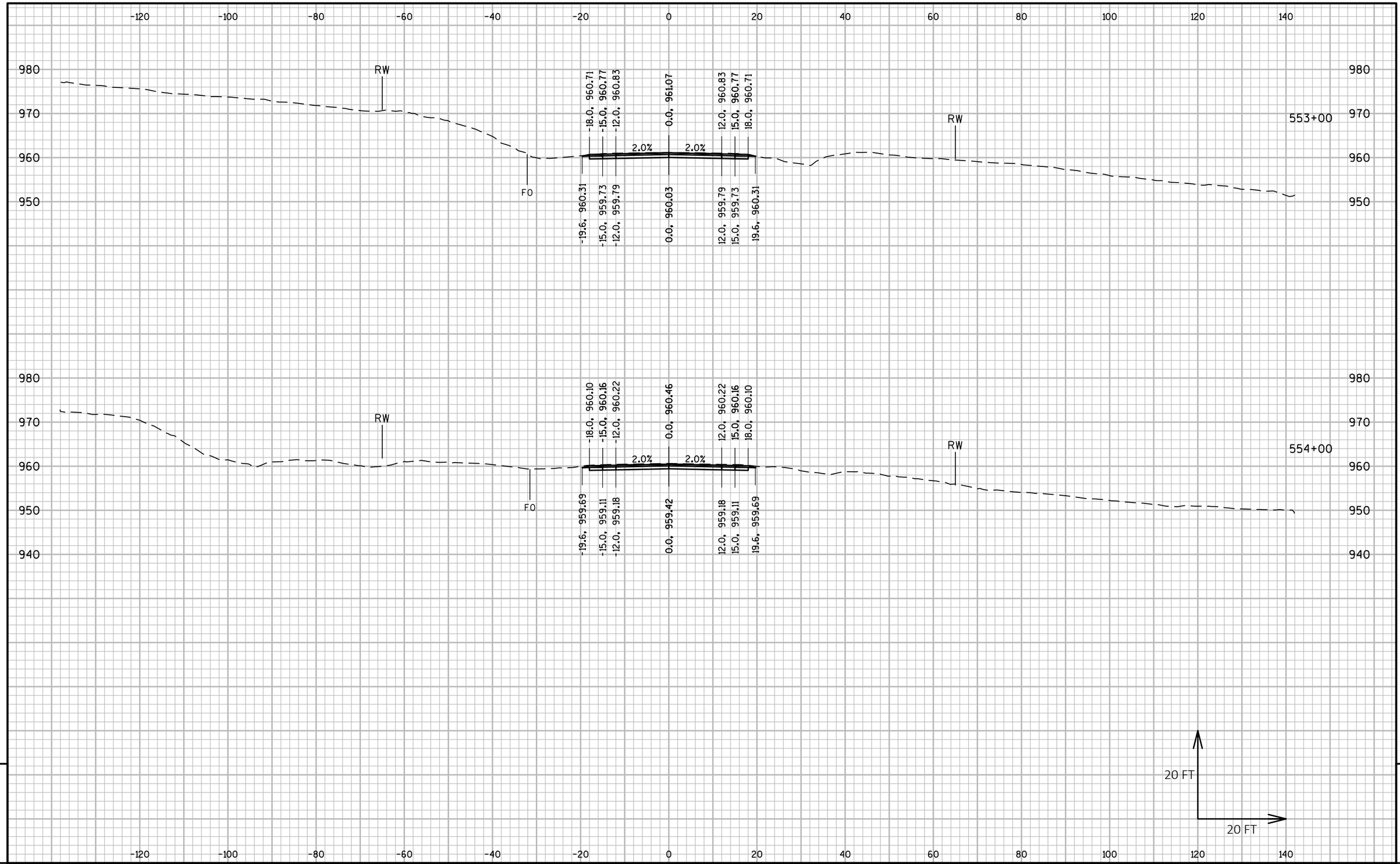
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 162

PLOT DATE : 10/30/2019 9:29 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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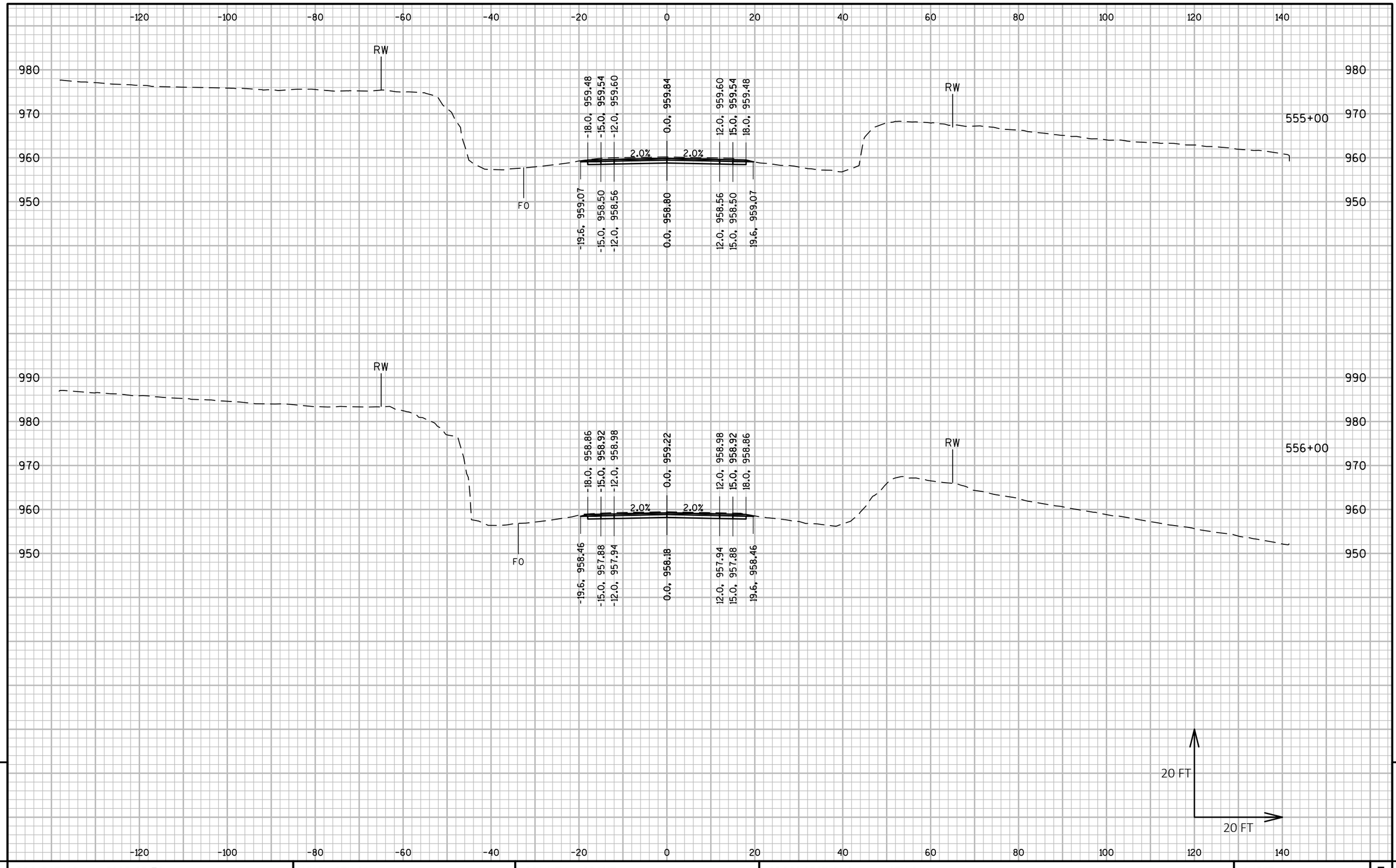
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 163

PLOT DATE : 10/30/2019 9:30 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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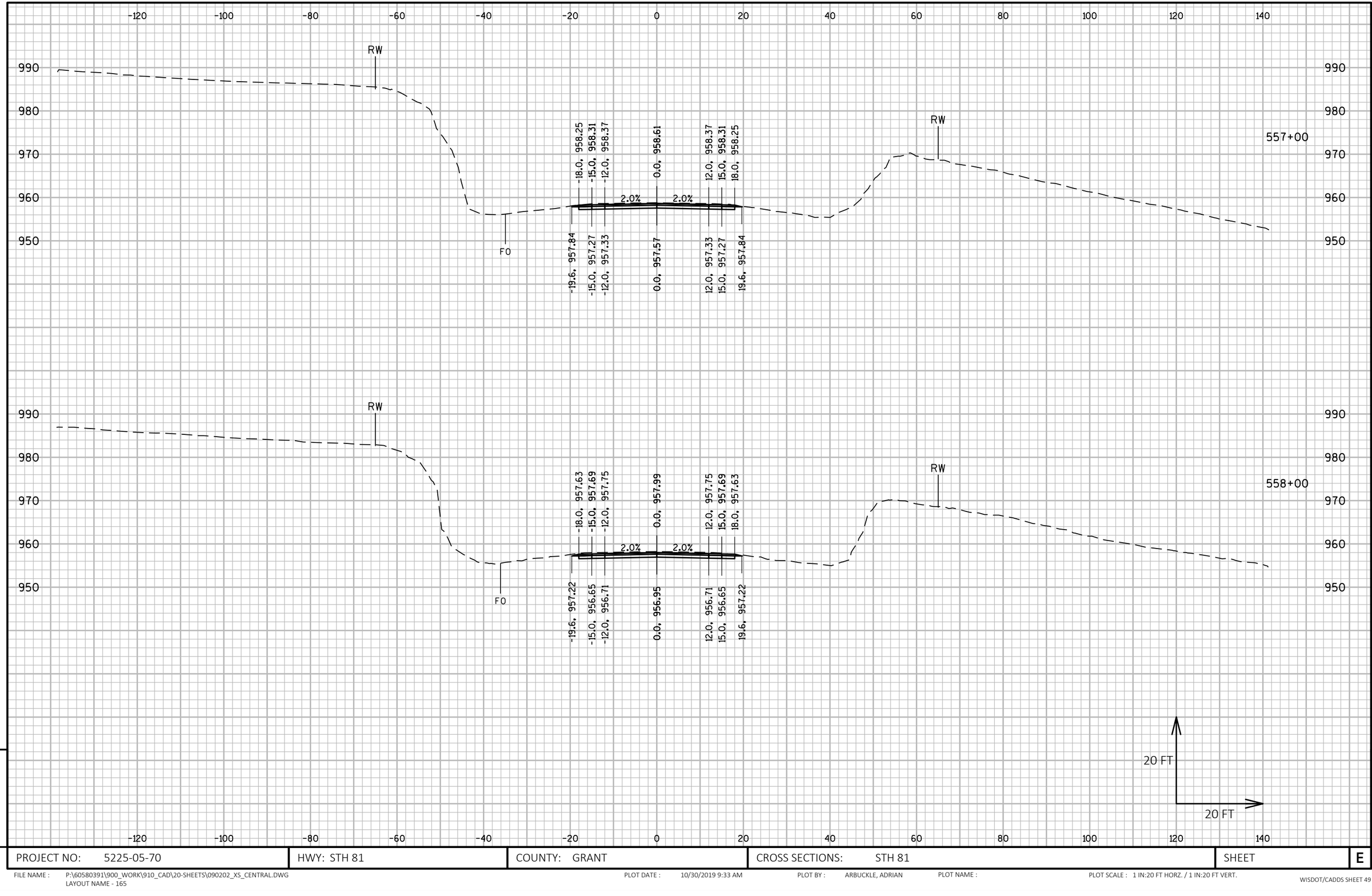
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 164

PLOT DATE : 10/30/2019 9:31 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

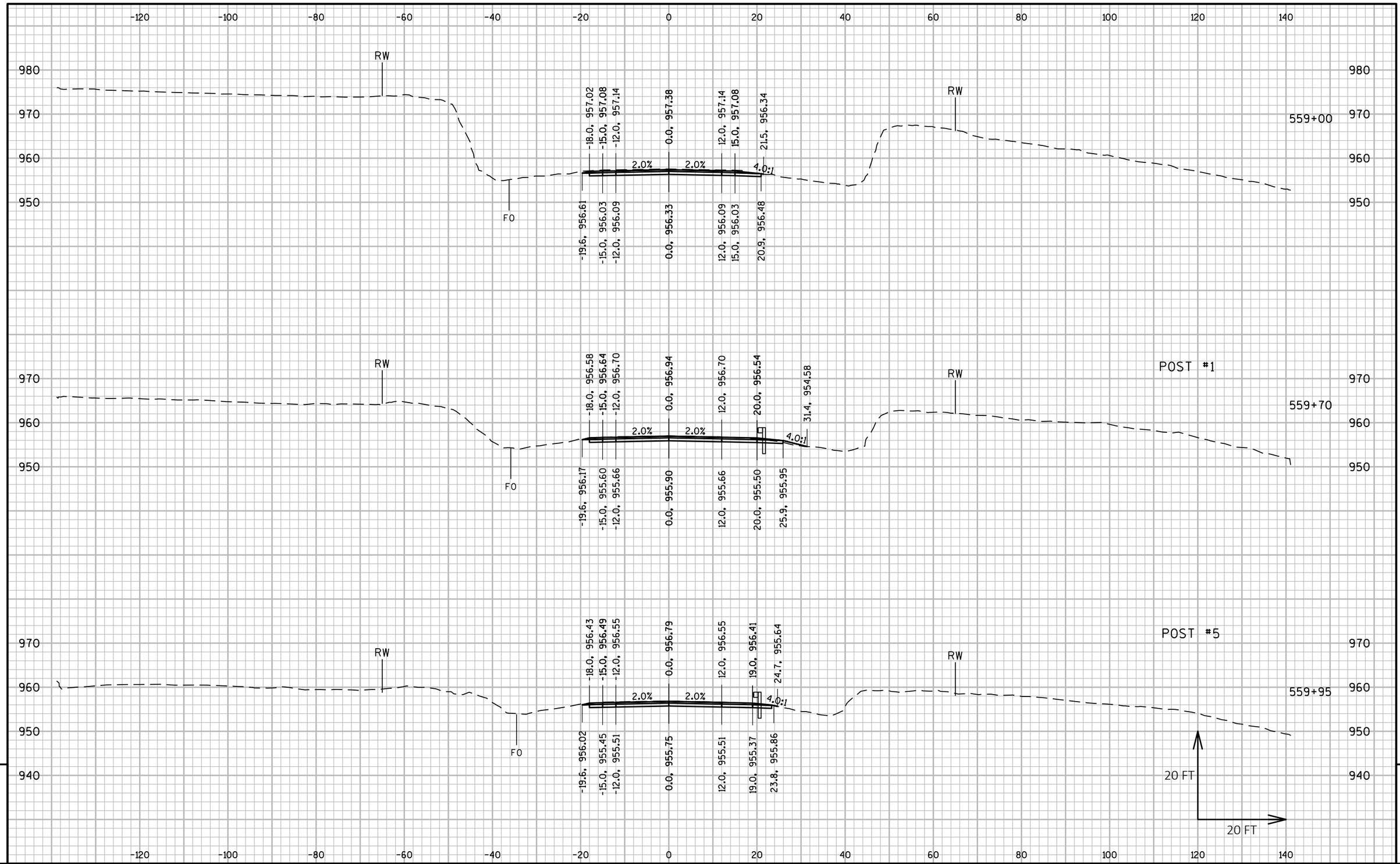


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 165

PLOT DATE : 10/30/2019 9:33 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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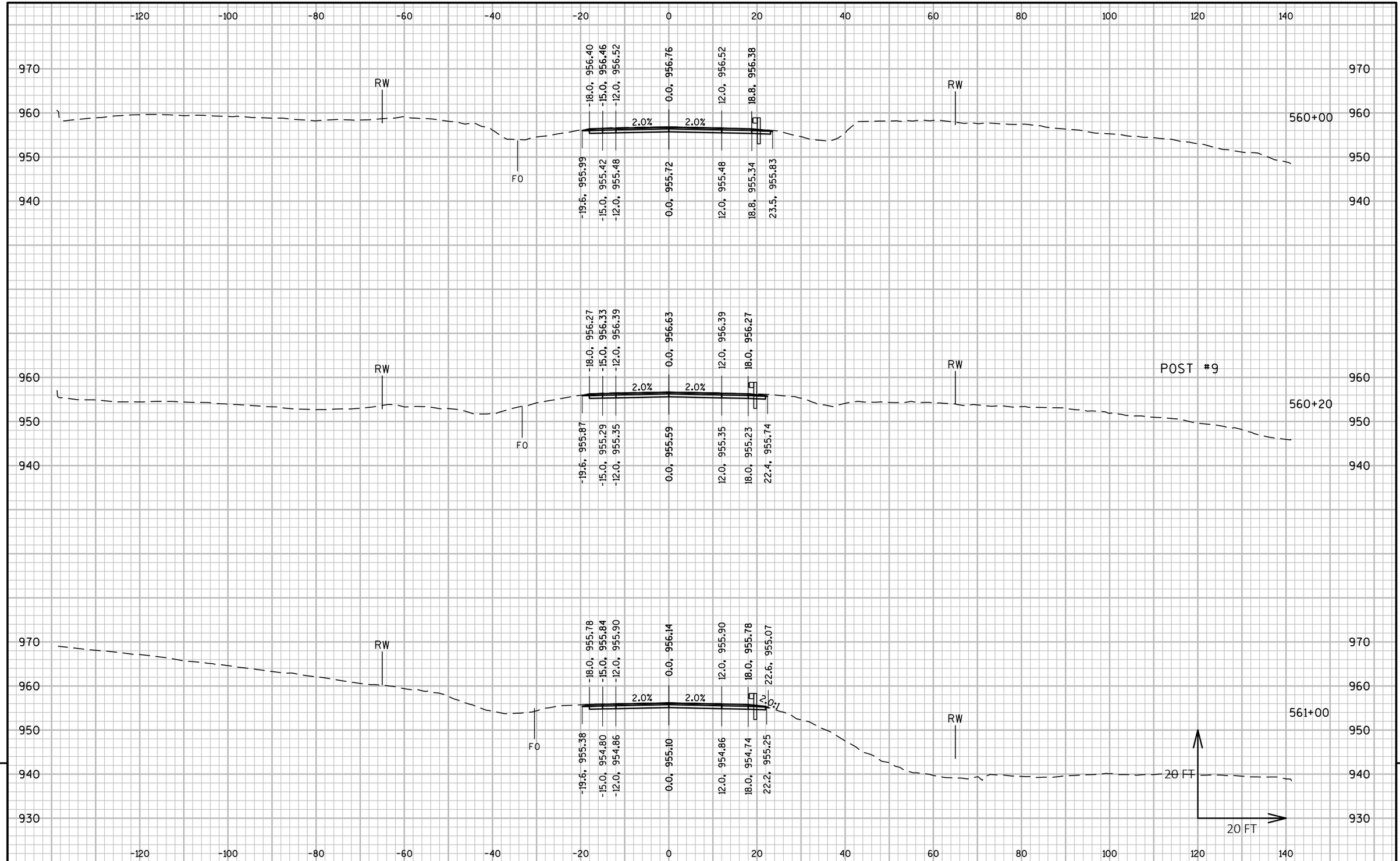
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 166

PLOT DATE : 10/30/2019 9:34 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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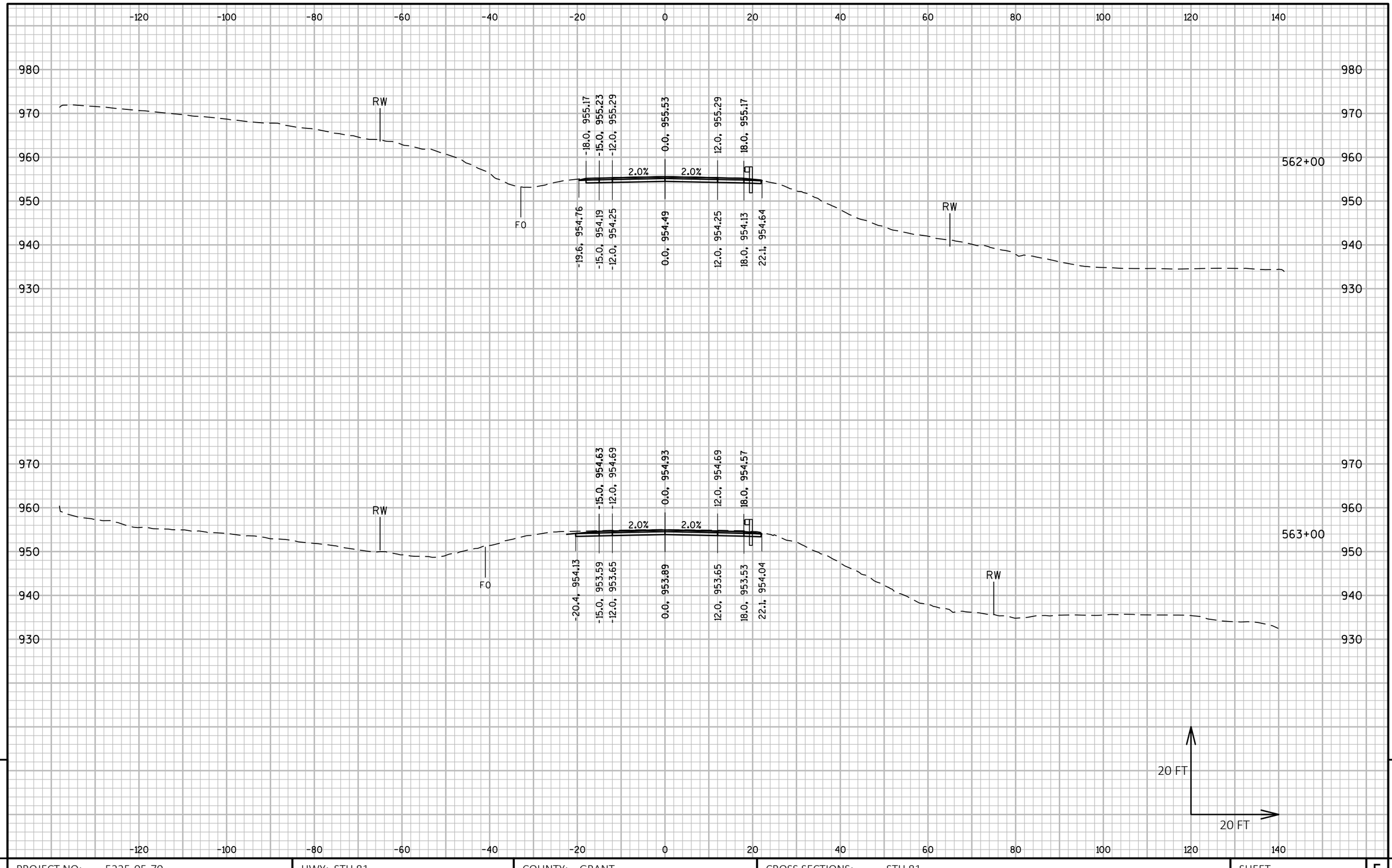
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 167

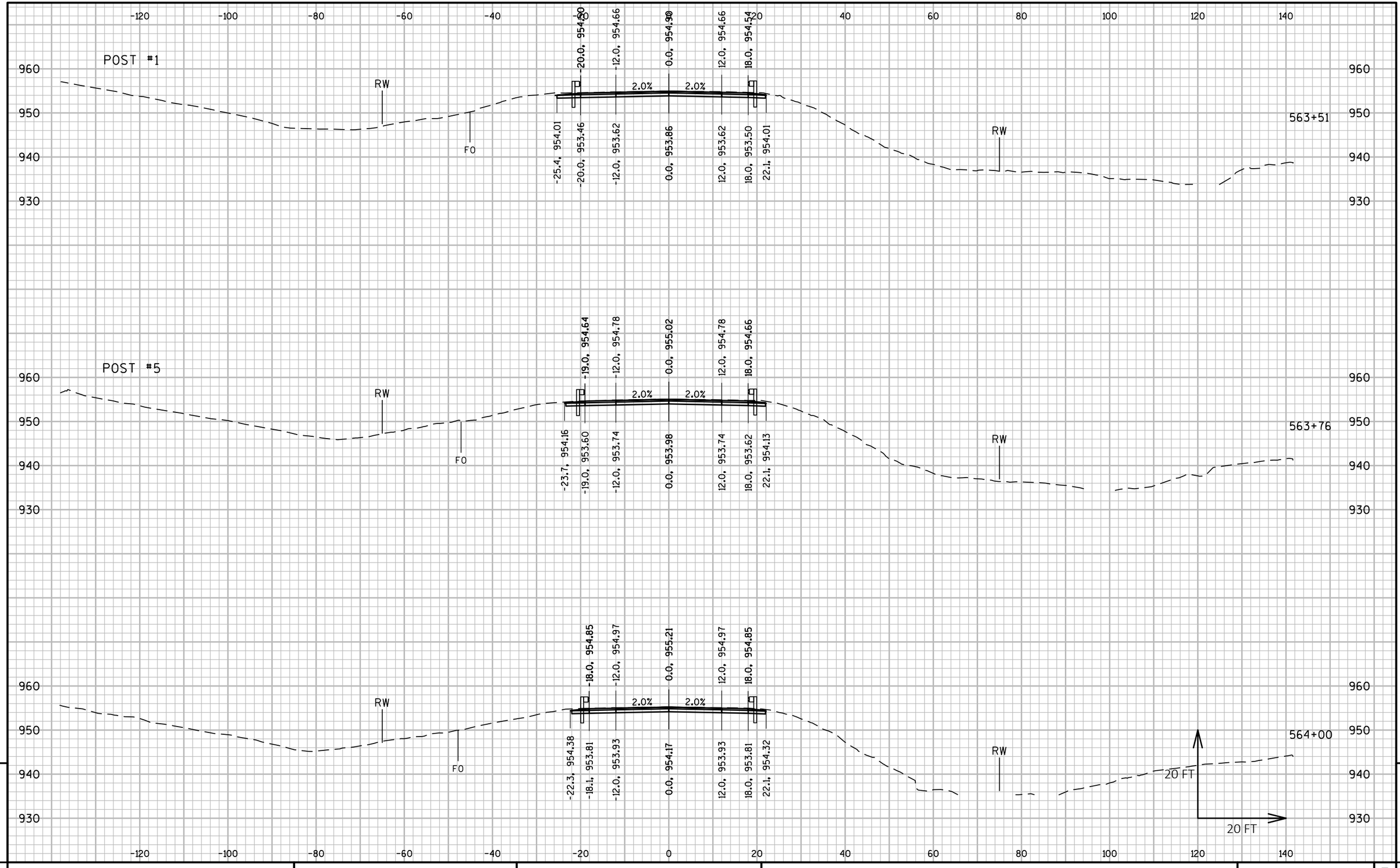
PLOT DATE : 10/30/2019 9:35 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 168

PLOT DATE : 10/30/2019 9:37 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 169
PLOT DATE : 10/30/2019 9:38 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

POST #9

564+01

565+00

RW

FO

2.0%

4.0:1

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

960 950 940 930

-22.3, 954.39 | -18.0, 953.82 | -12.0, 953.94 | 0.0, 954.18 | 12.0, 953.94 | 18.0, 953.82 | 22.1, 954.33

-18.0, 954.86 | -12.0, 954.98 | 0.0, 955.82 | 12.0, 954.98 | 18.0, 954.86

-22.4, 956.05 | -18.0, 955.48 | -12.0, 955.60 | 0.0, 955.84 | 12.0, 955.60 | 18.0, 955.48 | 22.2, 955.98

-25.0, 955.39 | -18.0, 956.52 | -12.0, 956.64 | 0.0, 956.88 | 12.0, 956.64 | 18.0, 956.52

20 FT

20 FT

9

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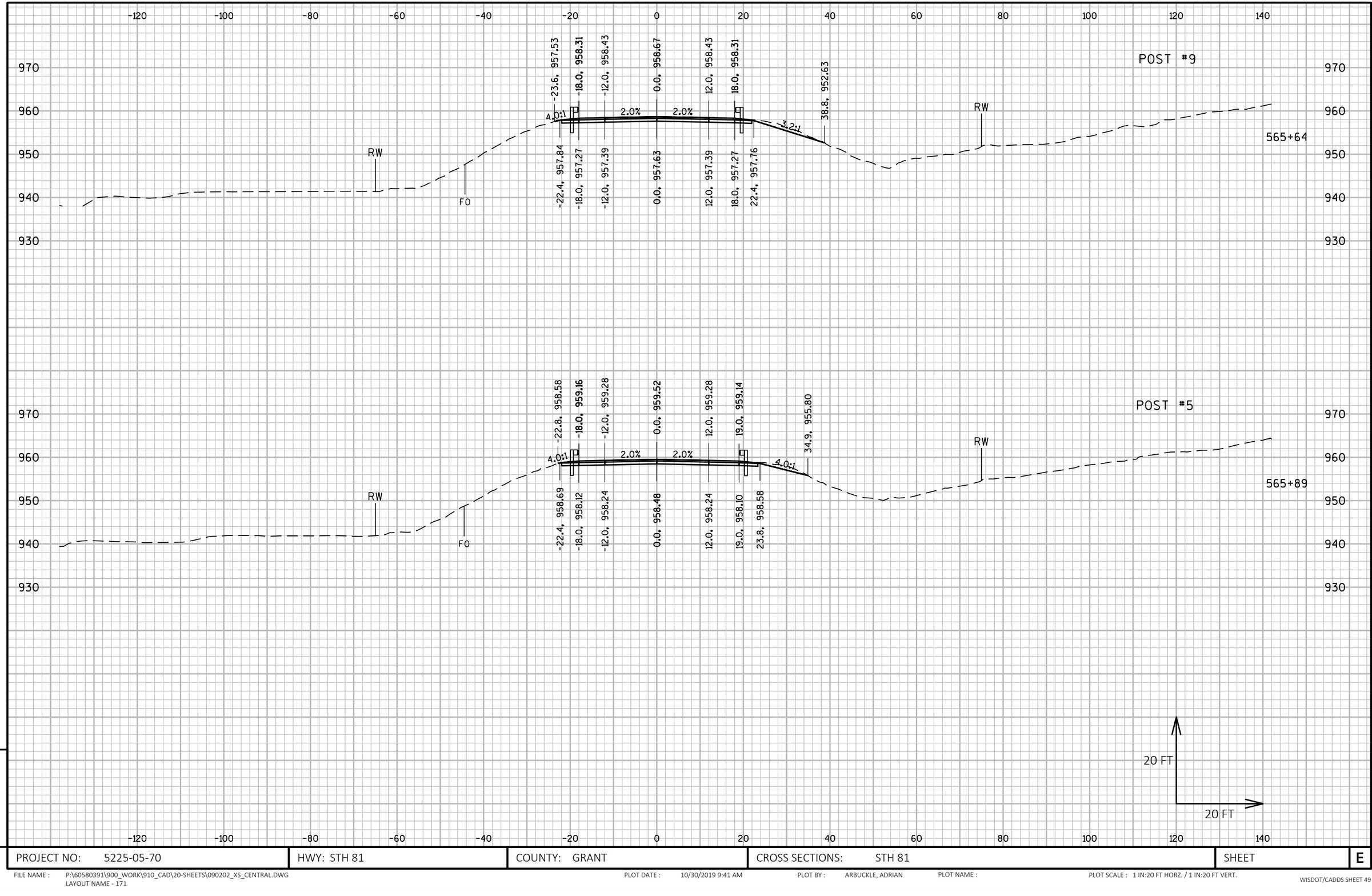
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 170

PLOT DATE : 10/30/2019 9:39 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



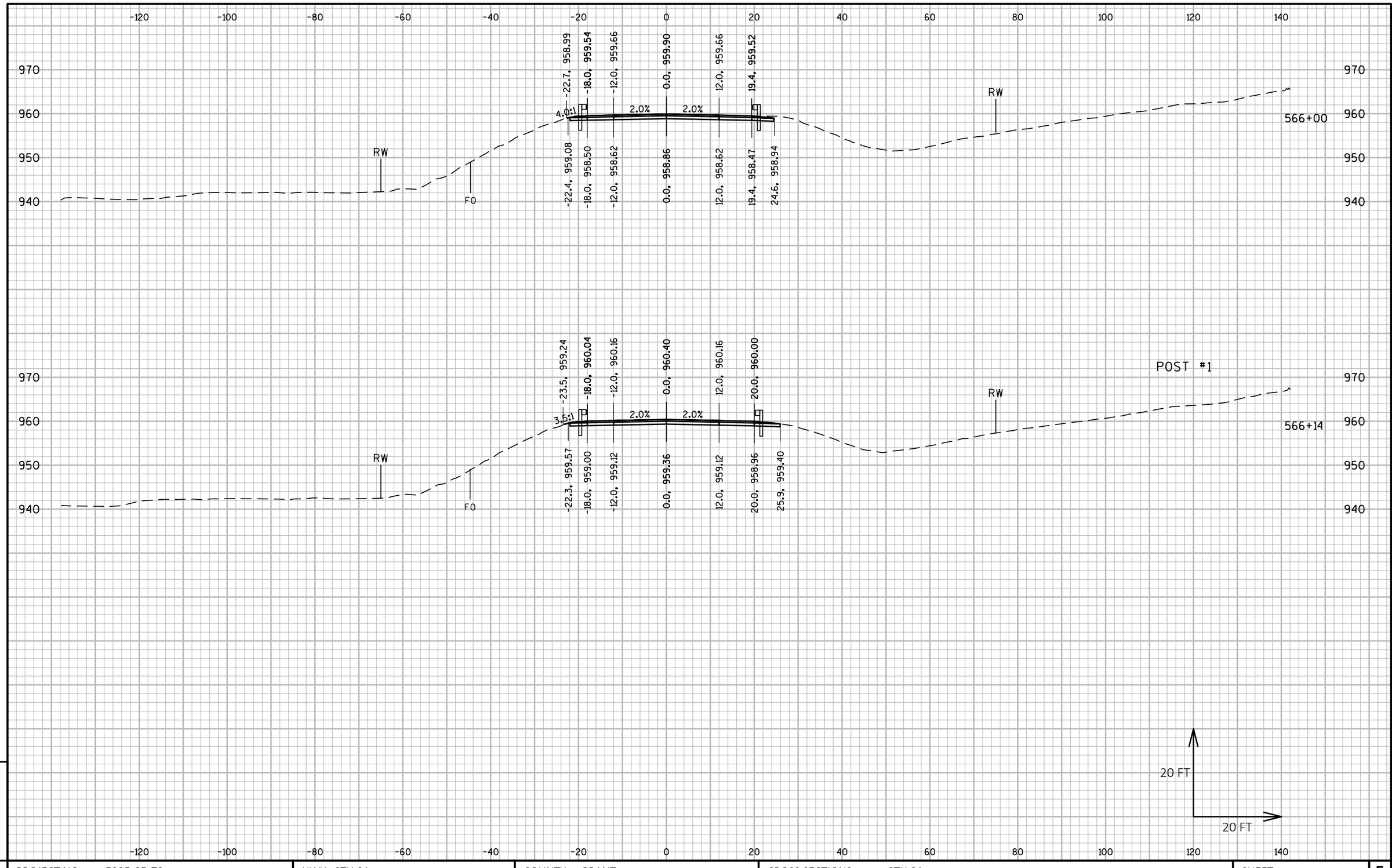
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 171

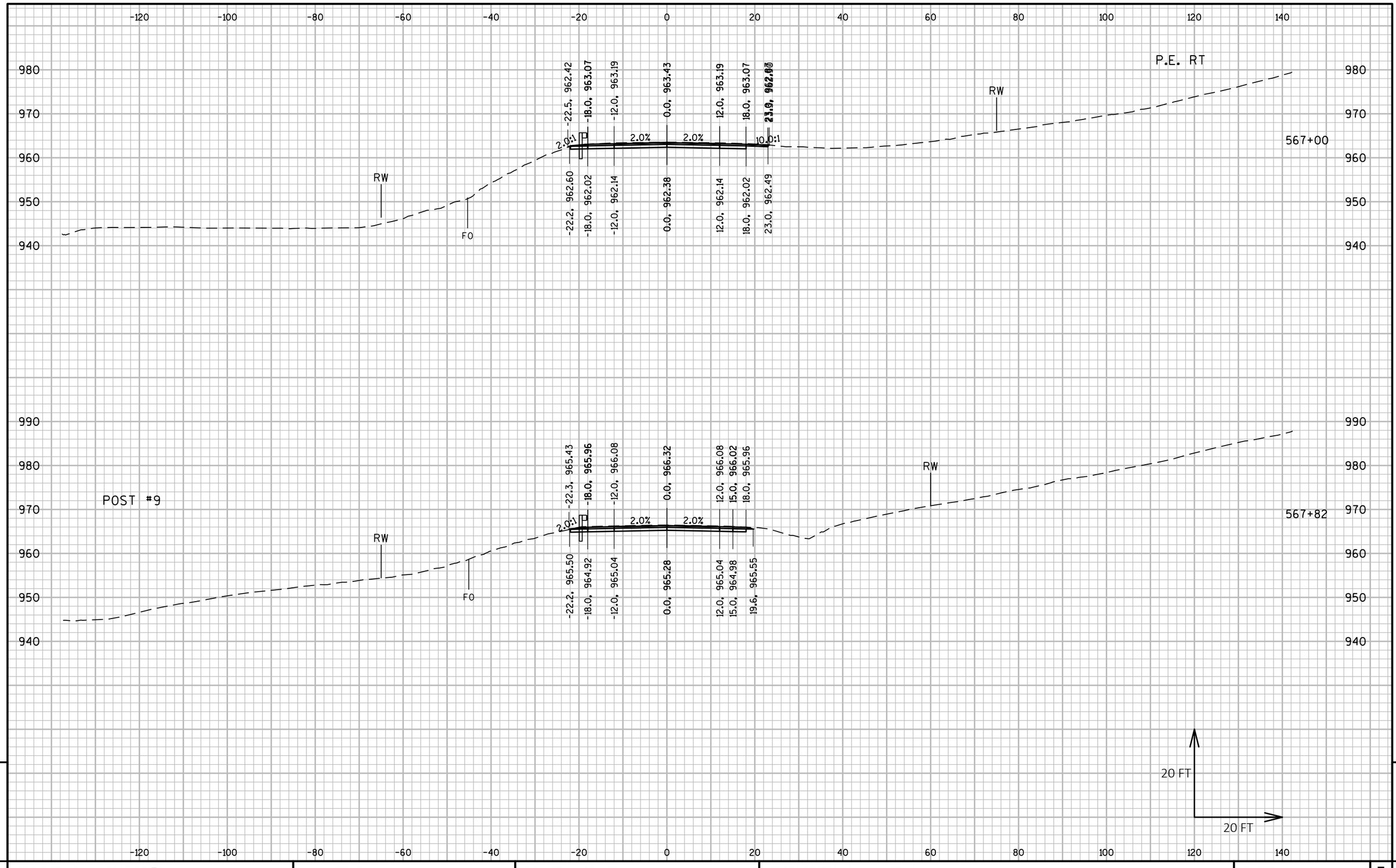
PLOT DATE : 10/30/2019 9:41 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 172

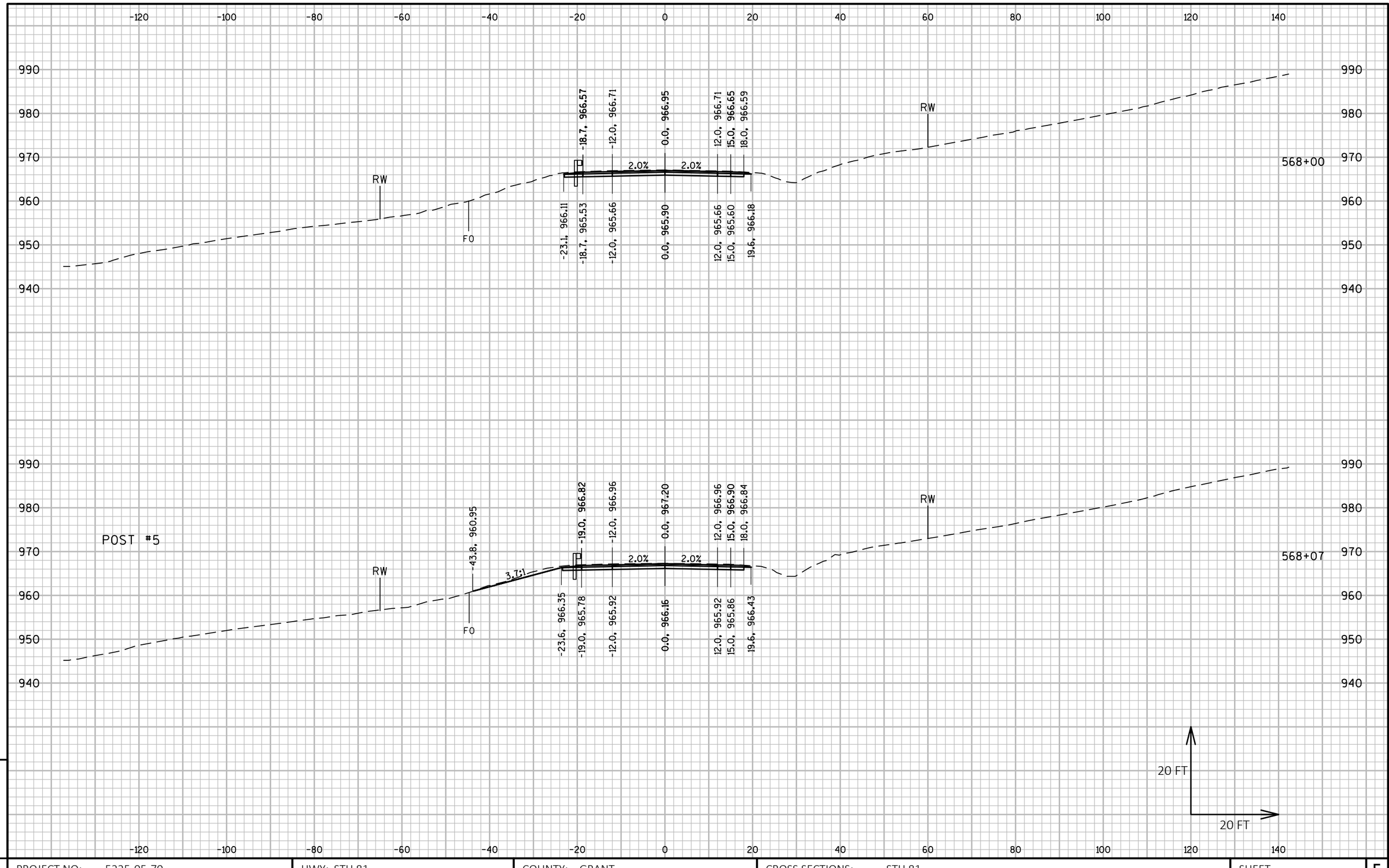
PLOT DATE : 10/30/2019 9:42 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

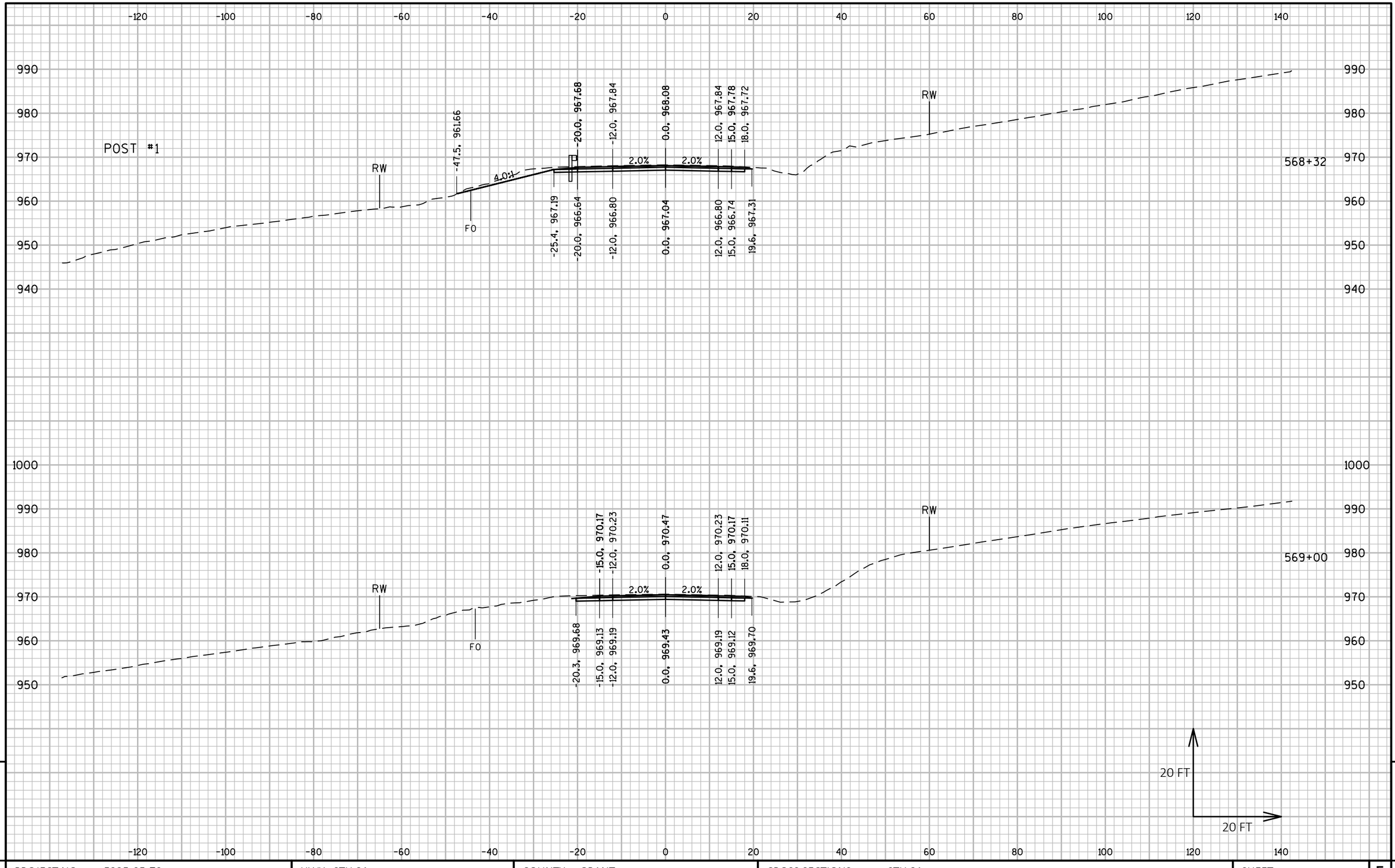
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 173

PLOT DATE : 10/30/2019 9:43 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

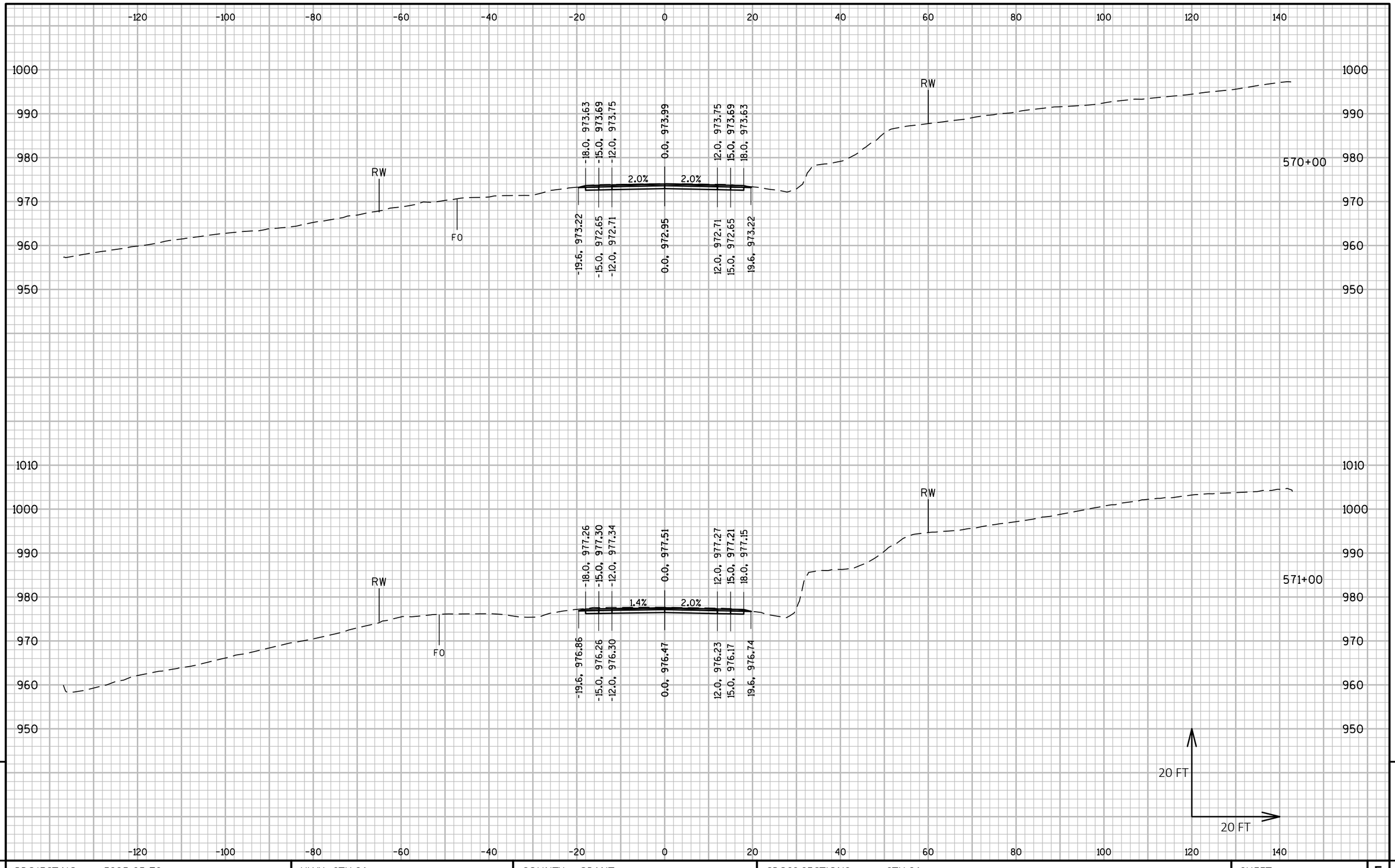
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 174
PLOT DATE : 10/30/2019 9:45 AM
PLOT BY : ARBUCKLE, ADRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 175

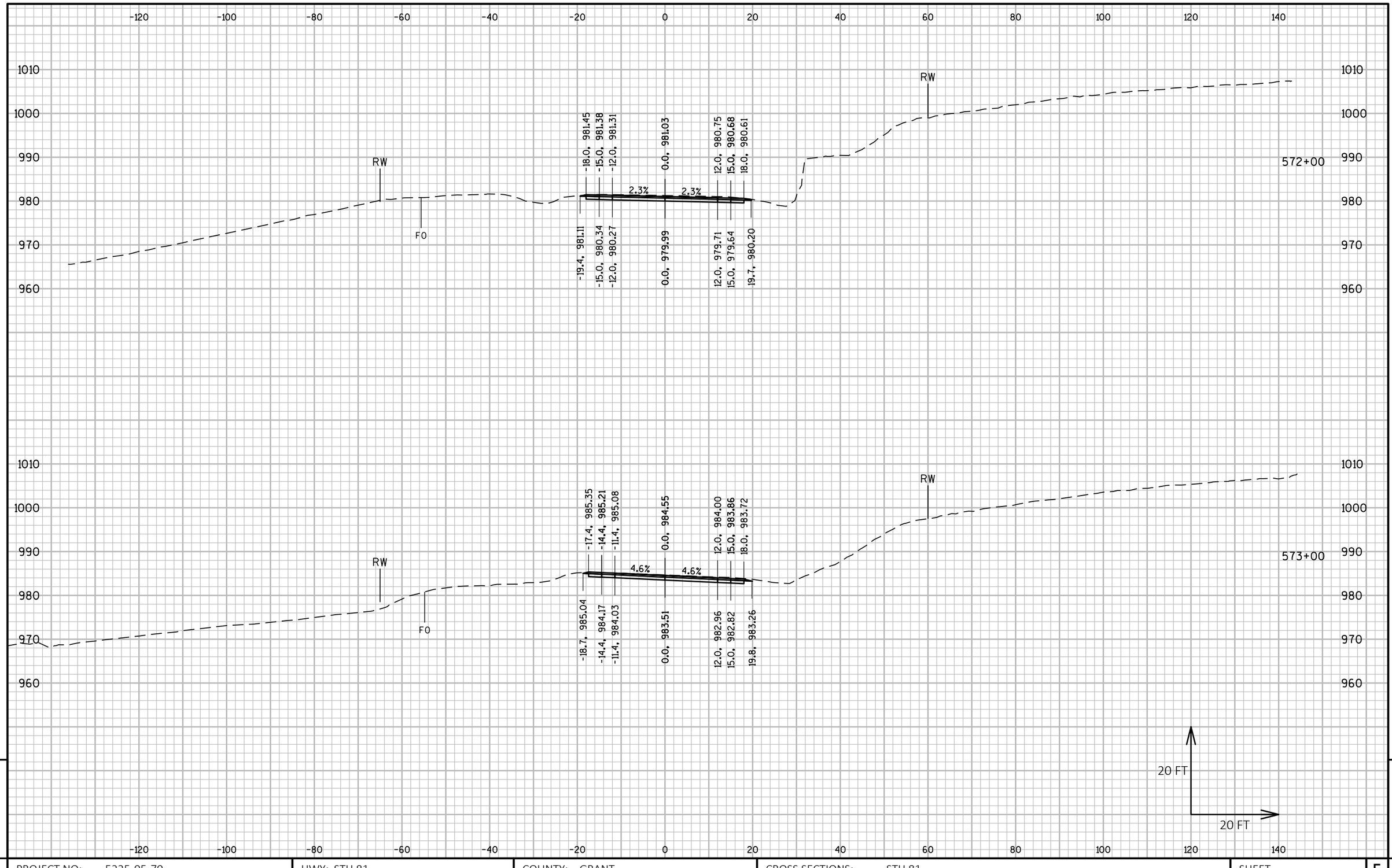
PLOT DATE : 10/30/2019 9:46 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 176

PLOT DATE : 10/30/2019 9:47 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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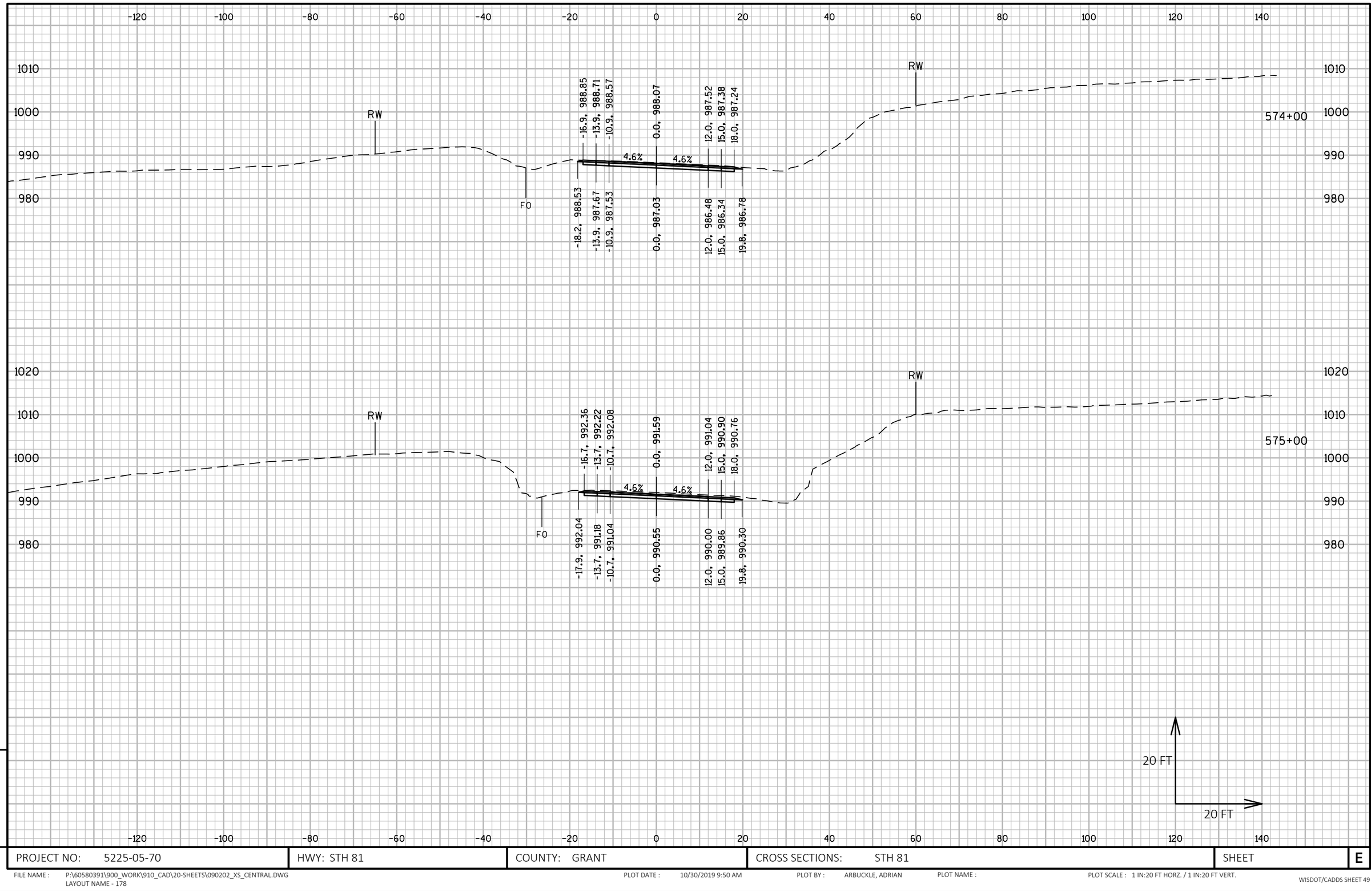
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 177

PLOT DATE : 10/30/2019 9:49 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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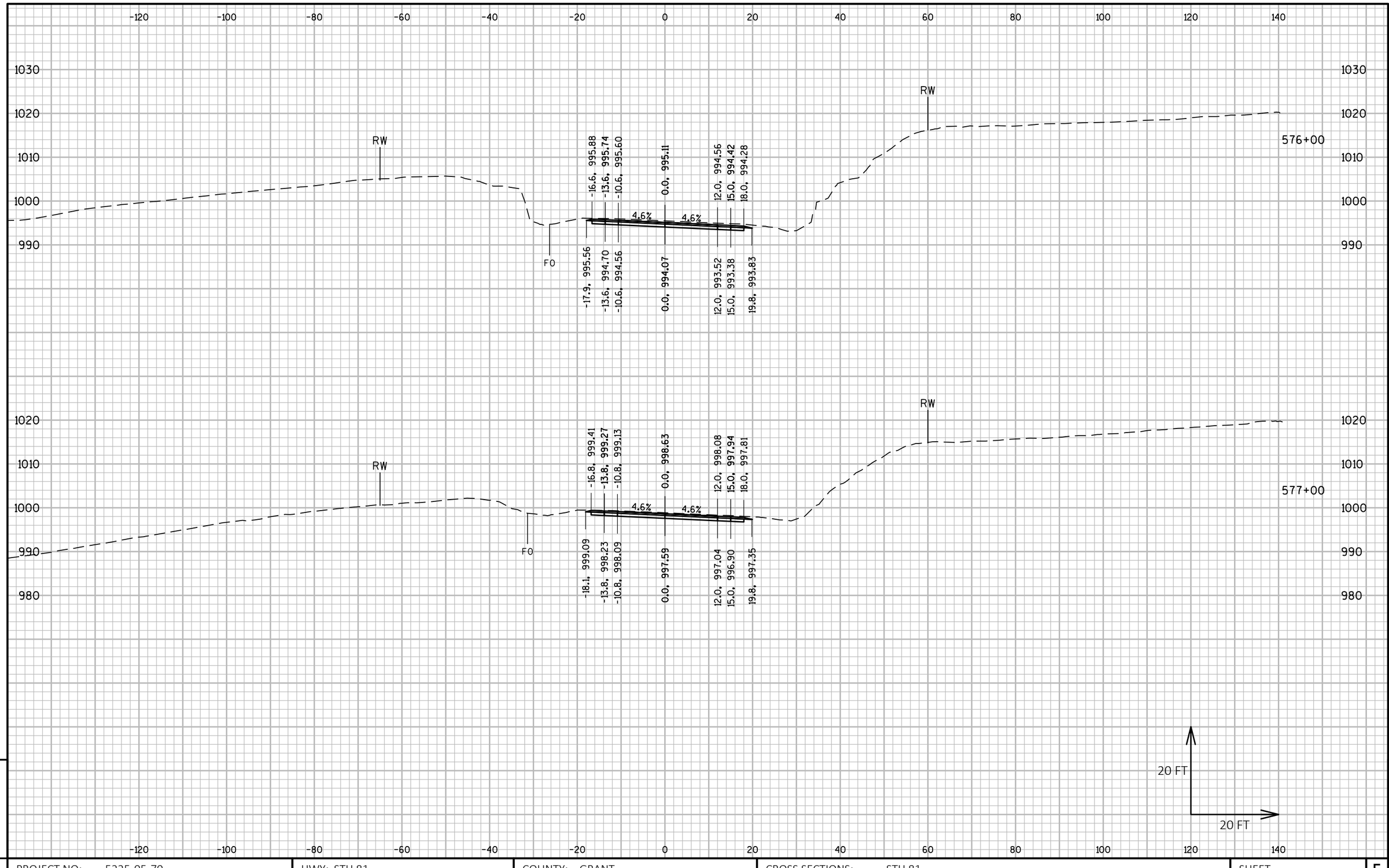
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 178

PLOT DATE : 10/30/2019 9:50 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

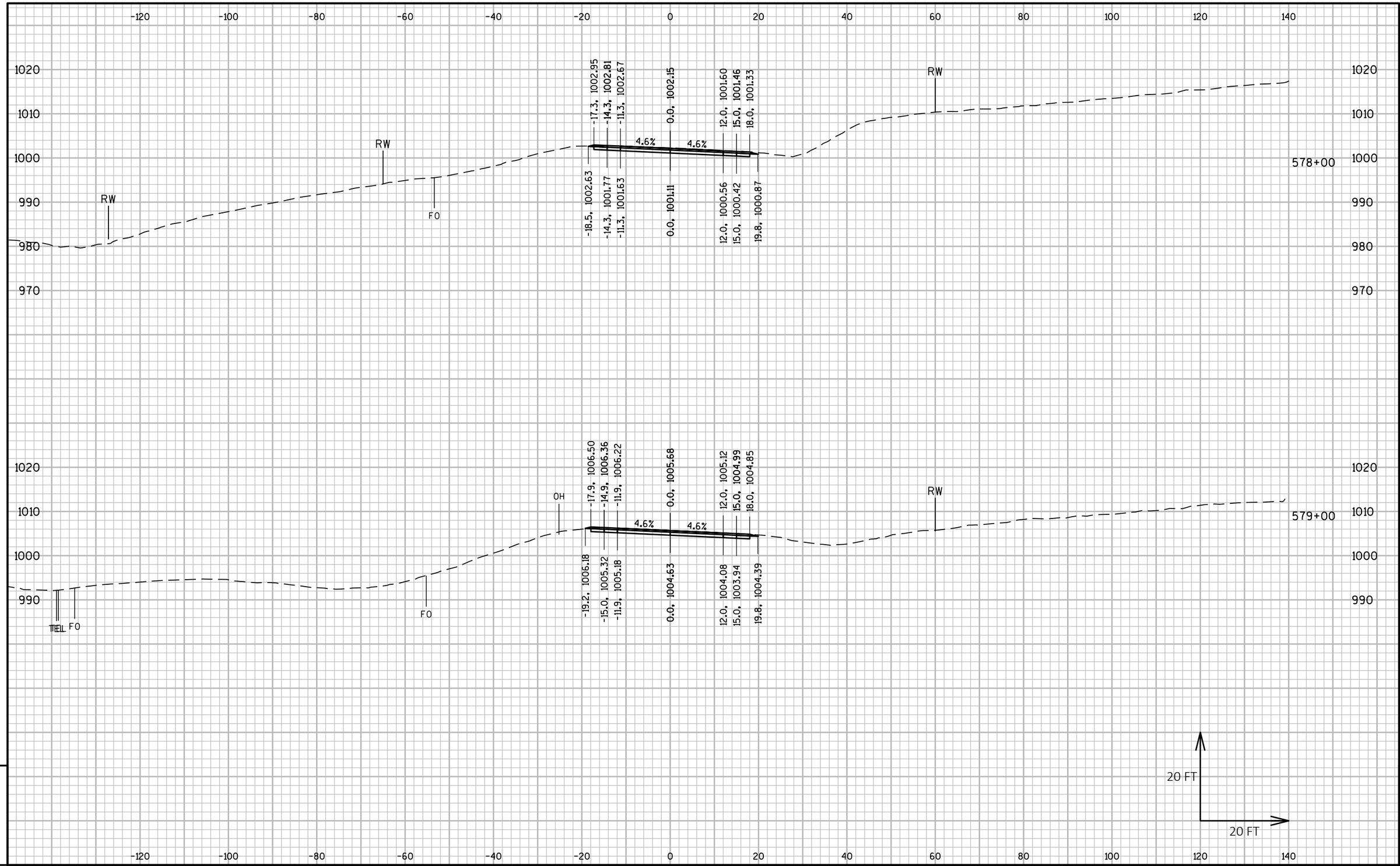
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 179

PLOT DATE : 10/30/2019 9:51 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

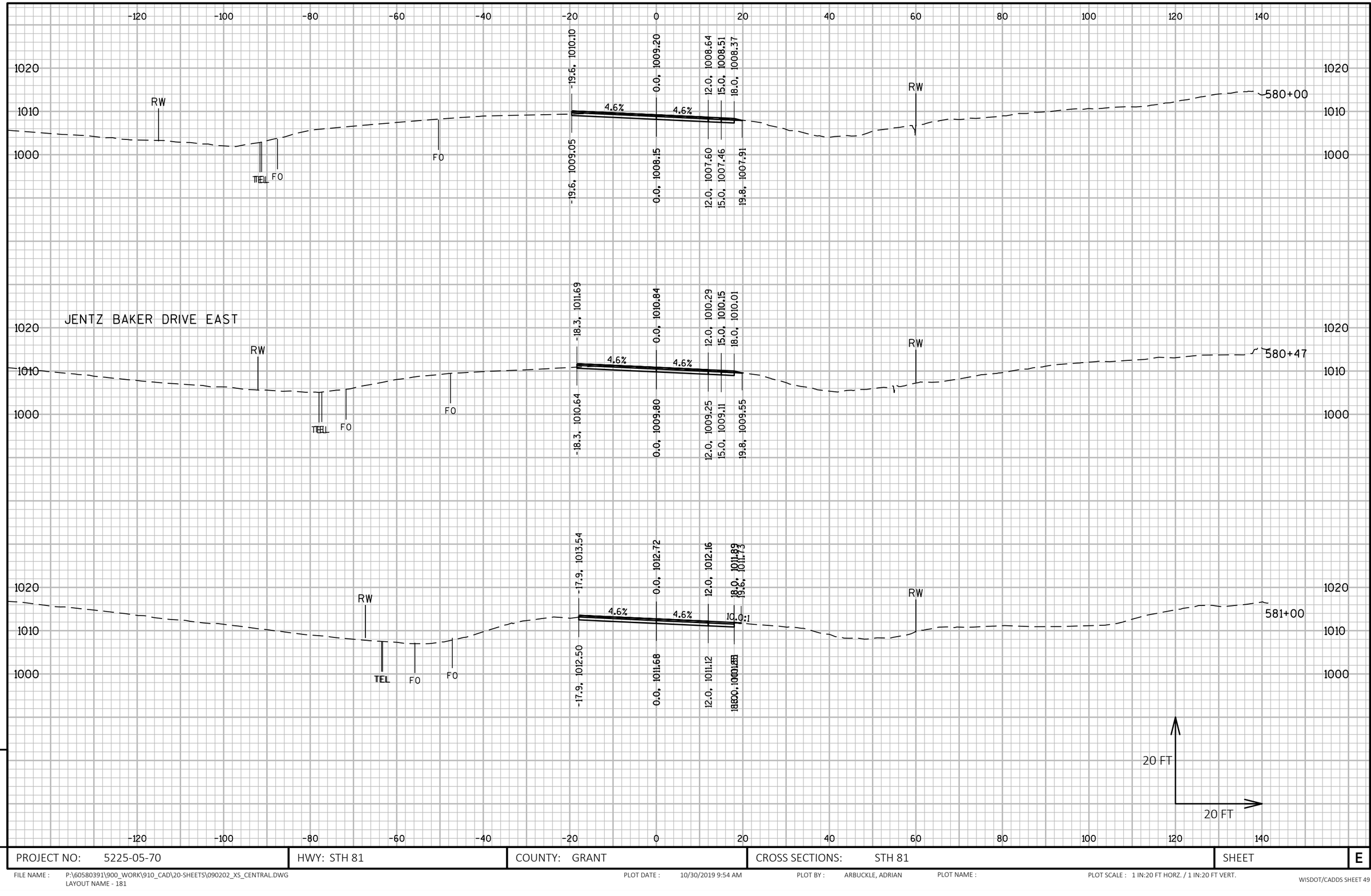


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

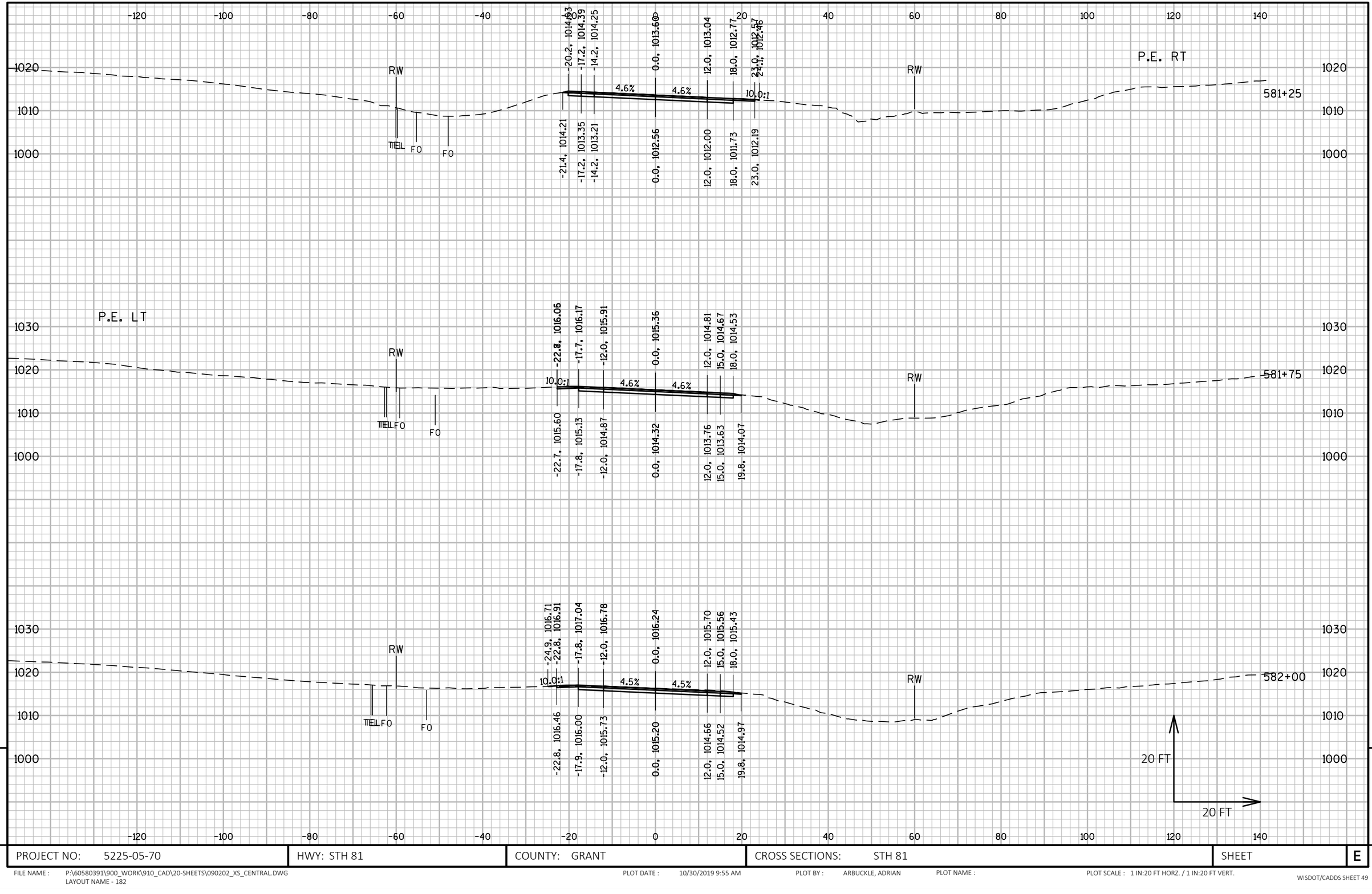
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 180

PLOT DATE : 10/30/2019 9:52 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9	PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

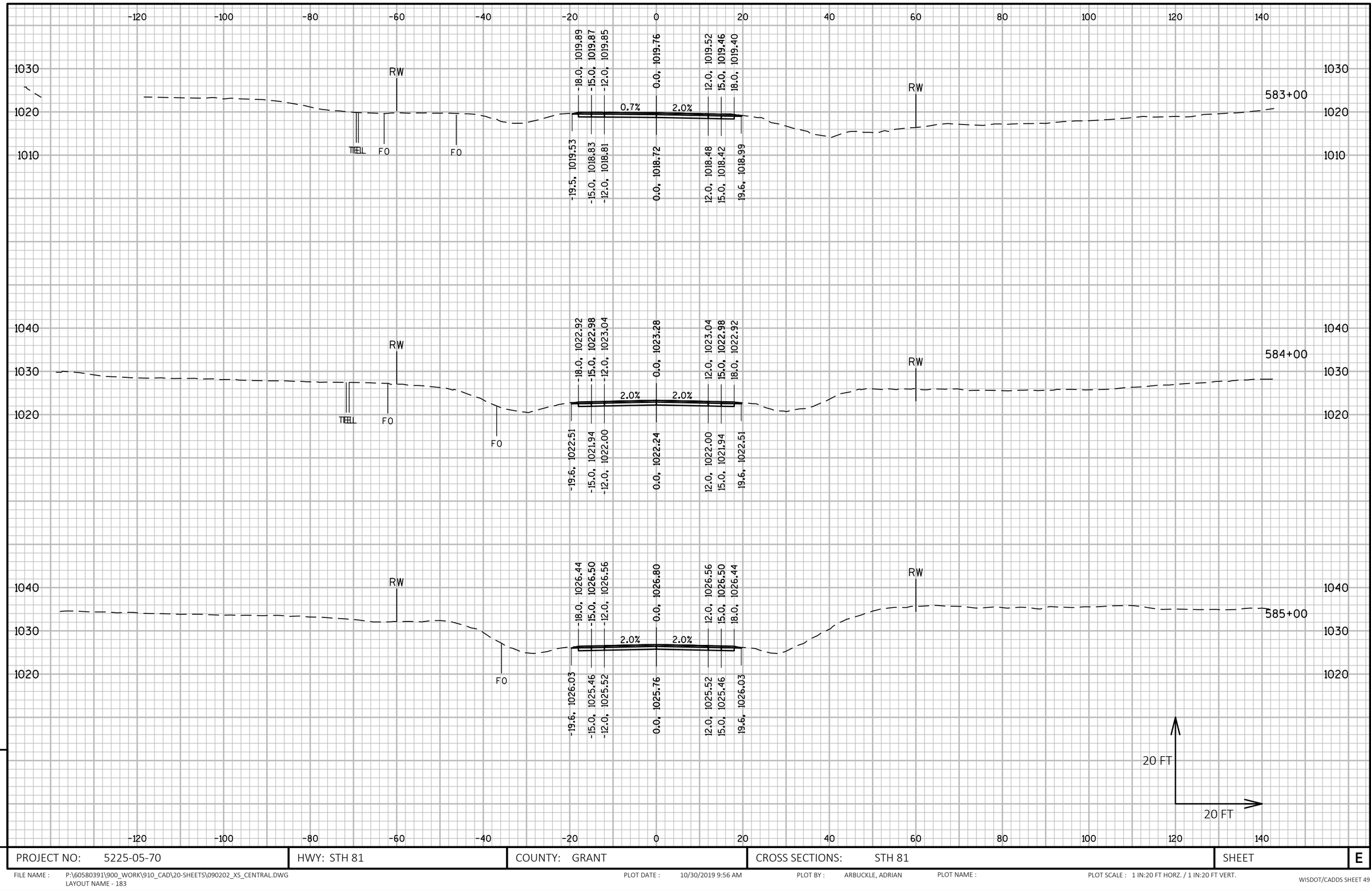


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

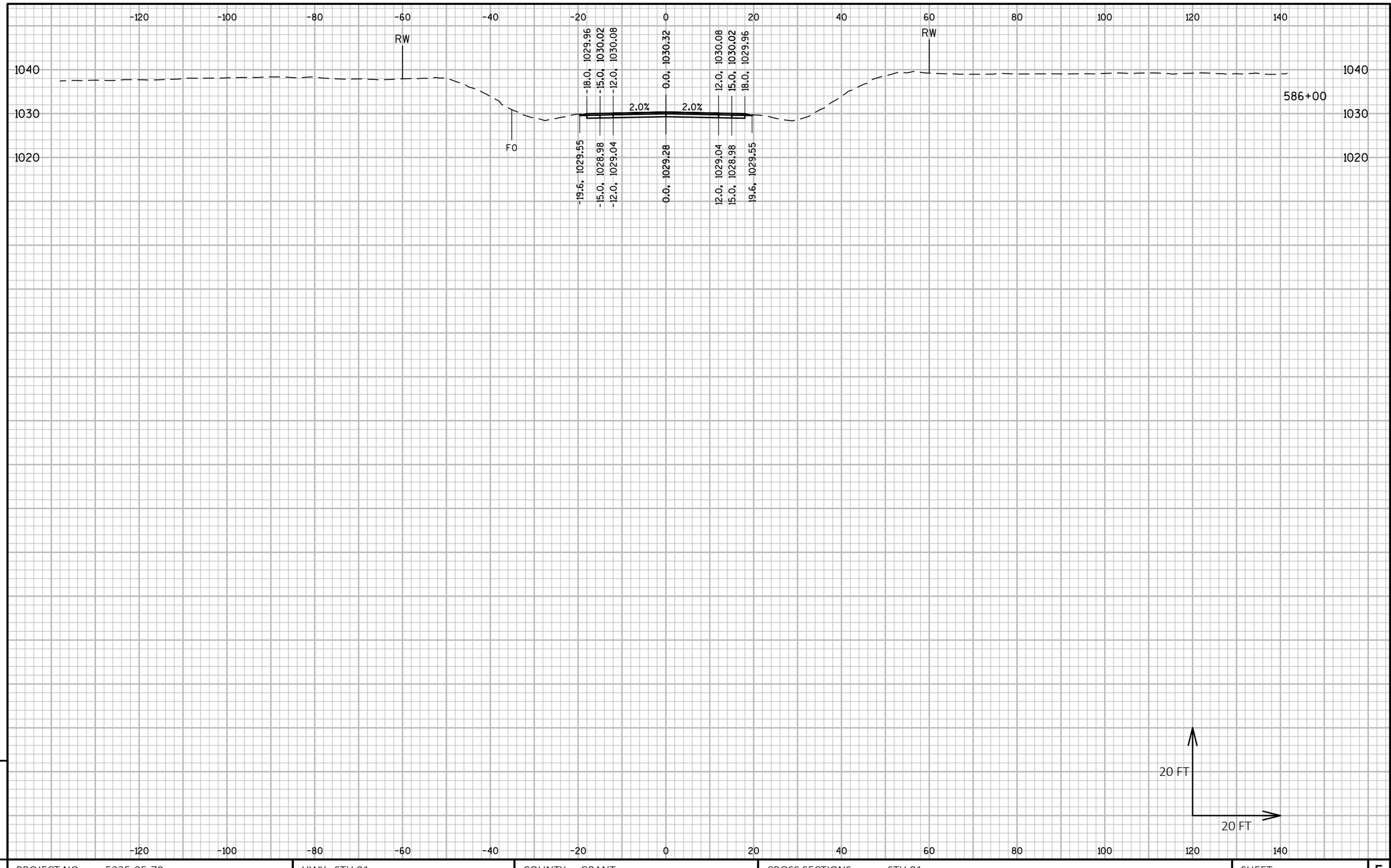
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 182

PLOT DATE : 10/30/2019 9:55 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



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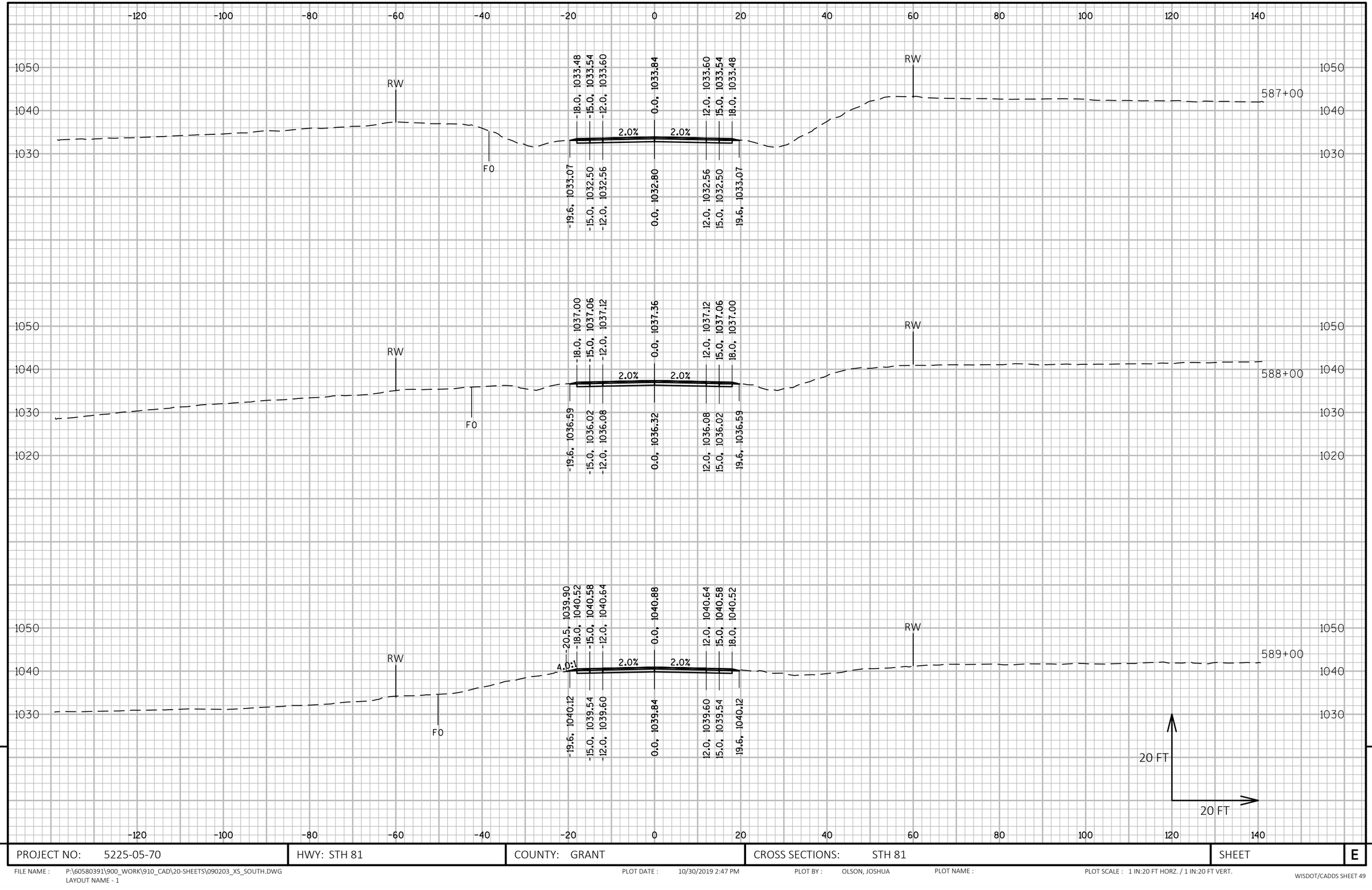
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090202_XS_CENTRAL.DWG
LAYOUT NAME - 184

PLOT DATE : 10/30/2019 9:57 AM PLOT BY : ARBUCKLE, ADRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 1

PLOT DATE : 10/30/2019 2:47 PM

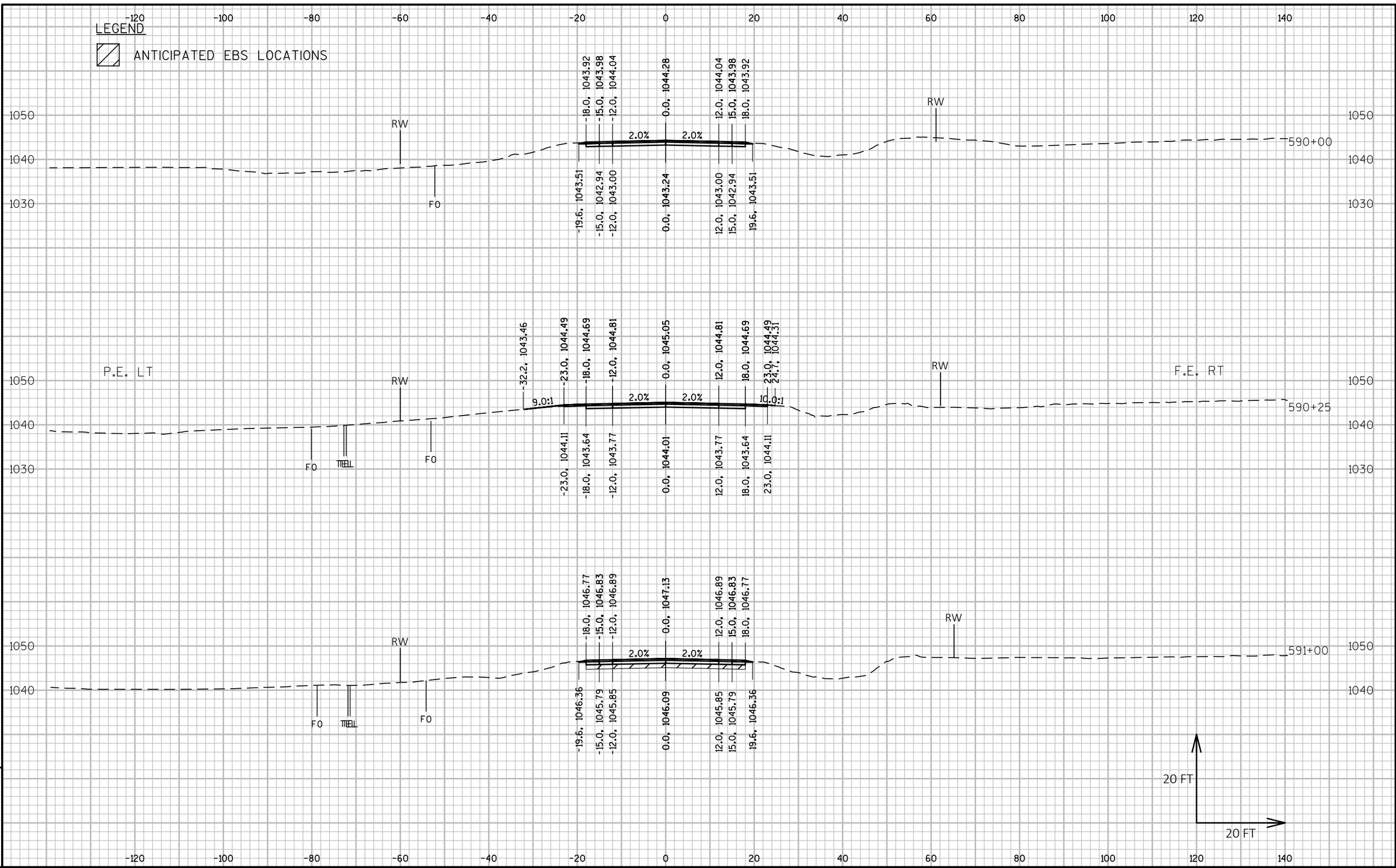
PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

LEGEND

ANTICIPATED EBS LOCATIONS



9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 2

PLOT DATE : 10/30/2019 2:48 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS

592+00

593+00

594+00

RW

F.E. LT

FO

THELL

2.0%

10.0:1

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

1060

1050

1040

20 FT

20 FT

9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 3

PLOT DATE : 10/30/2019 2:49 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS

595+00

RW -18.0, 1052.40 -15.0, 1052.46 -12.0, 1052.52 0.0, 1052.76 12.0, 1052.52 15.0, 1052.46 18.0, 1052.40 RW

2.0% 2.0%

-19.6, 1052.00 -15.0, 1051.42 -12.0, 1051.48 0.0, 1051.72 12.0, 1051.48 15.0, 1051.42 19.6, 1052.00

F0 TIEL F0

596+00

RW -18.0, 1052.37 -15.0, 1052.43 -12.0, 1052.49 0.0, 1052.73 12.0, 1052.49 15.0, 1052.43 18.0, 1052.37 RW

2.0% 2.0%

-19.6, 1051.96 -15.0, 1051.39 -12.0, 1051.45 0.0, 1051.69 12.0, 1051.45 15.0, 1051.39 19.6, 1051.96

F0 TIEL F0

597+00

RW -18.0, 1051.75 -15.0, 1051.81 -12.0, 1051.87 0.0, 1052.11 12.0, 1051.87 15.0, 1051.81 18.0, 1051.75 RW

2.0% 2.0%

-19.6, 1051.35 -15.0, 1050.77 -12.0, 1050.83 0.0, 1051.07 12.0, 1050.83 15.0, 1050.77 19.6, 1051.35

F0 TIEL F0

20 FT

20 FT

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

1060 1050 1040

9

9

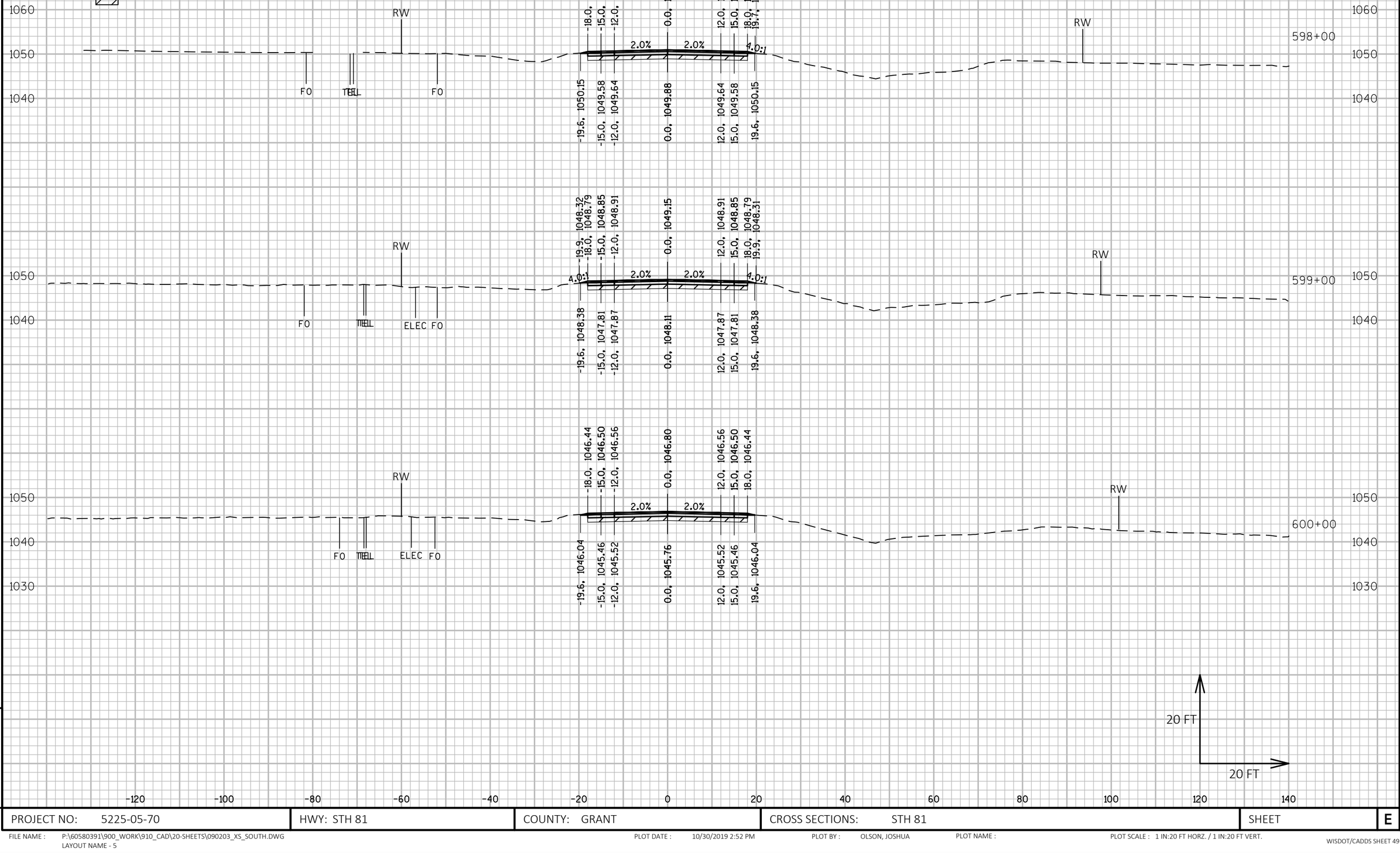
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 4

PLOT DATE : 10/30/2019 2:50 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS



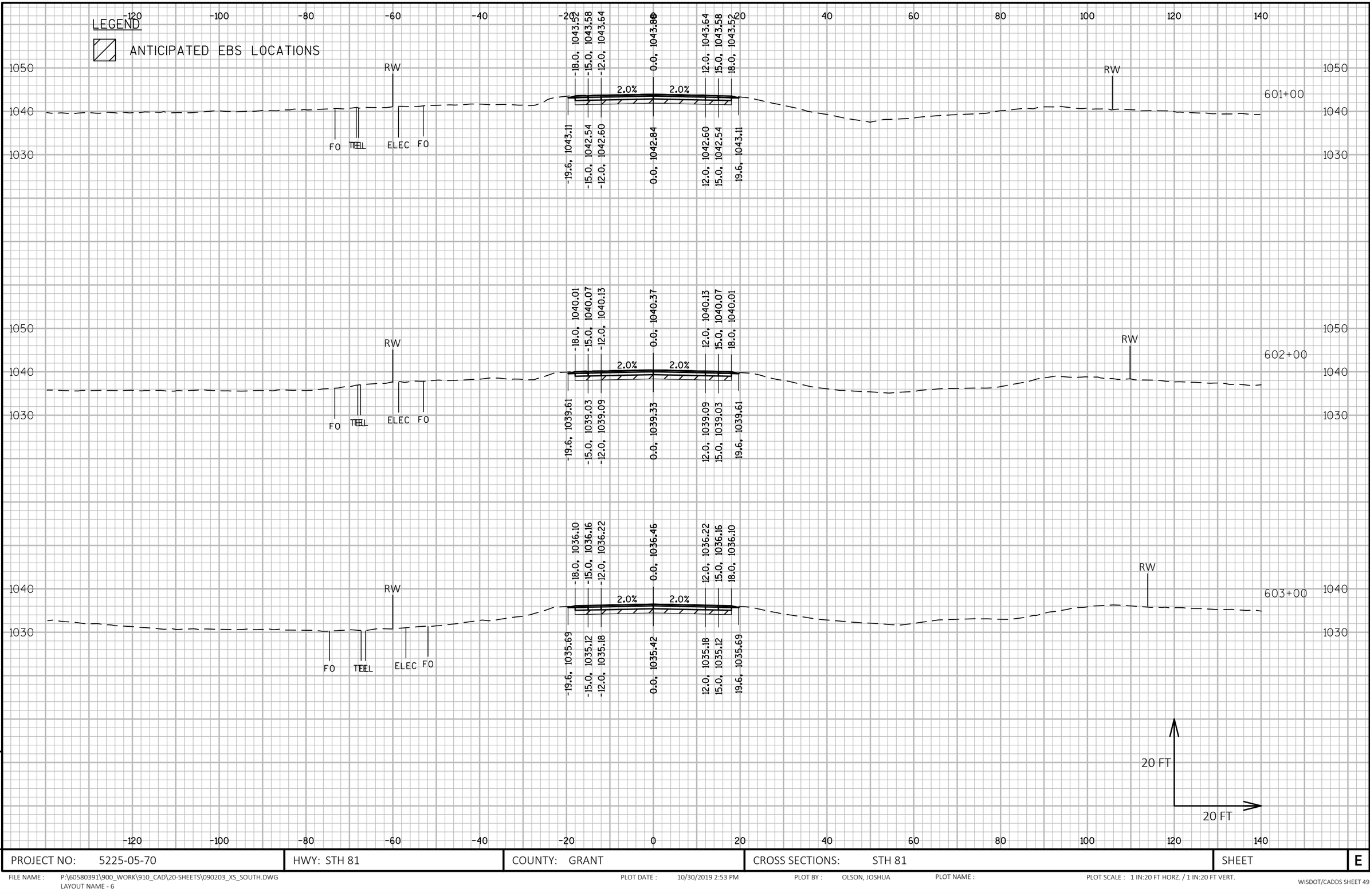
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 5

PLOT DATE : 10/30/2019 2:52 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

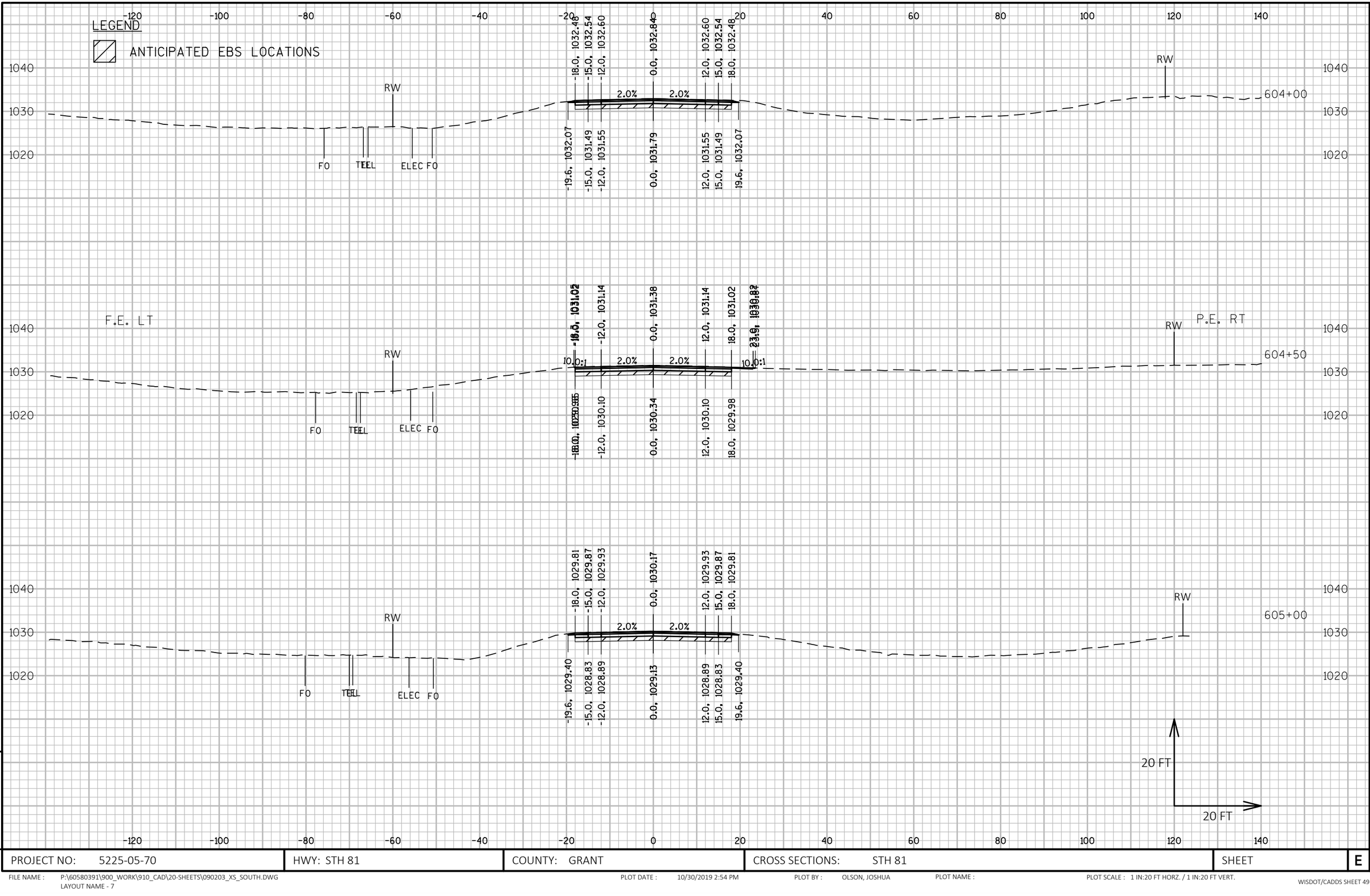
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 6

PLOT DATE : 10/30/2019 2:53 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

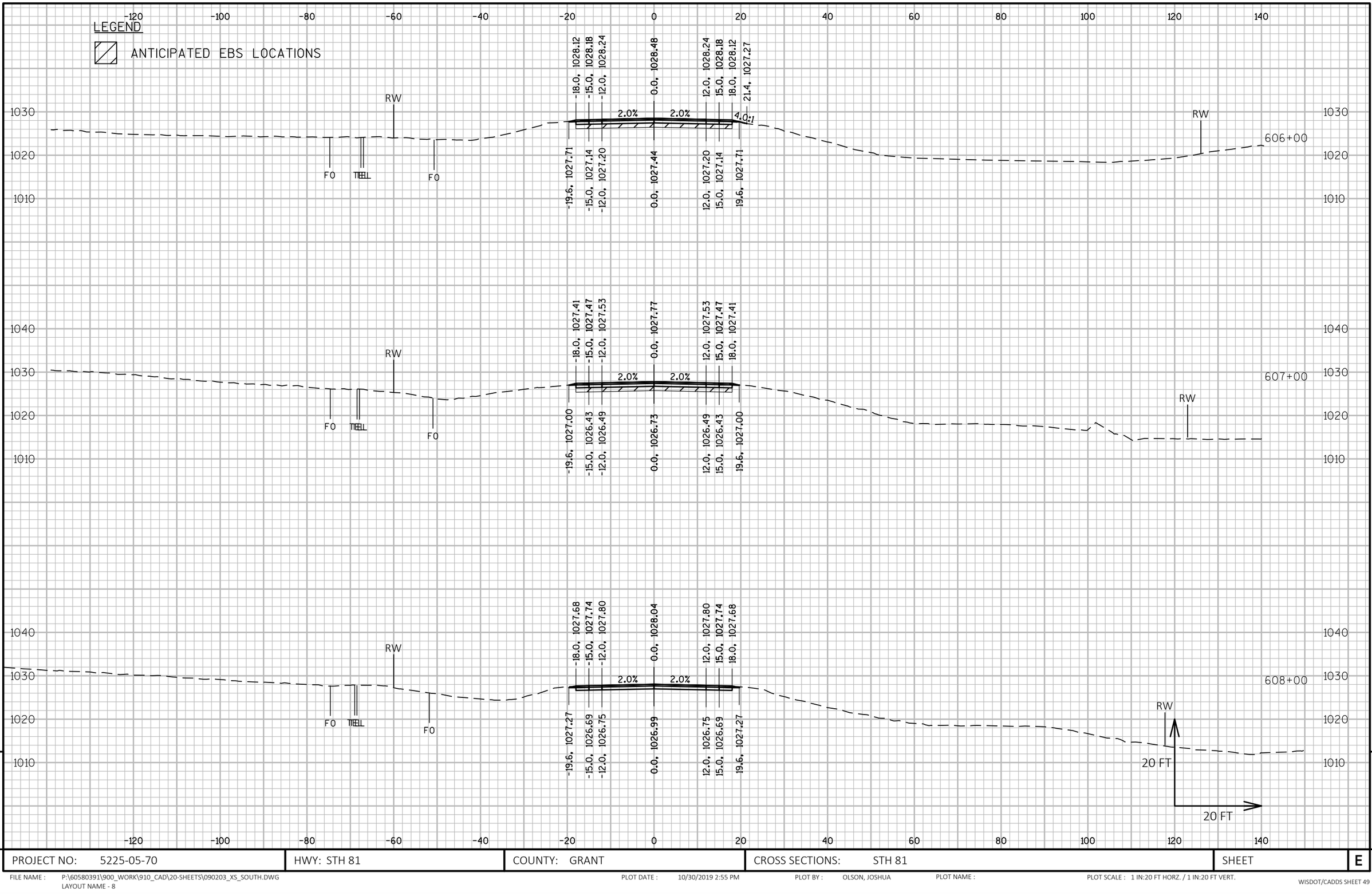
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

LEGEND

ANTICIPATED EBS LOCATIONS

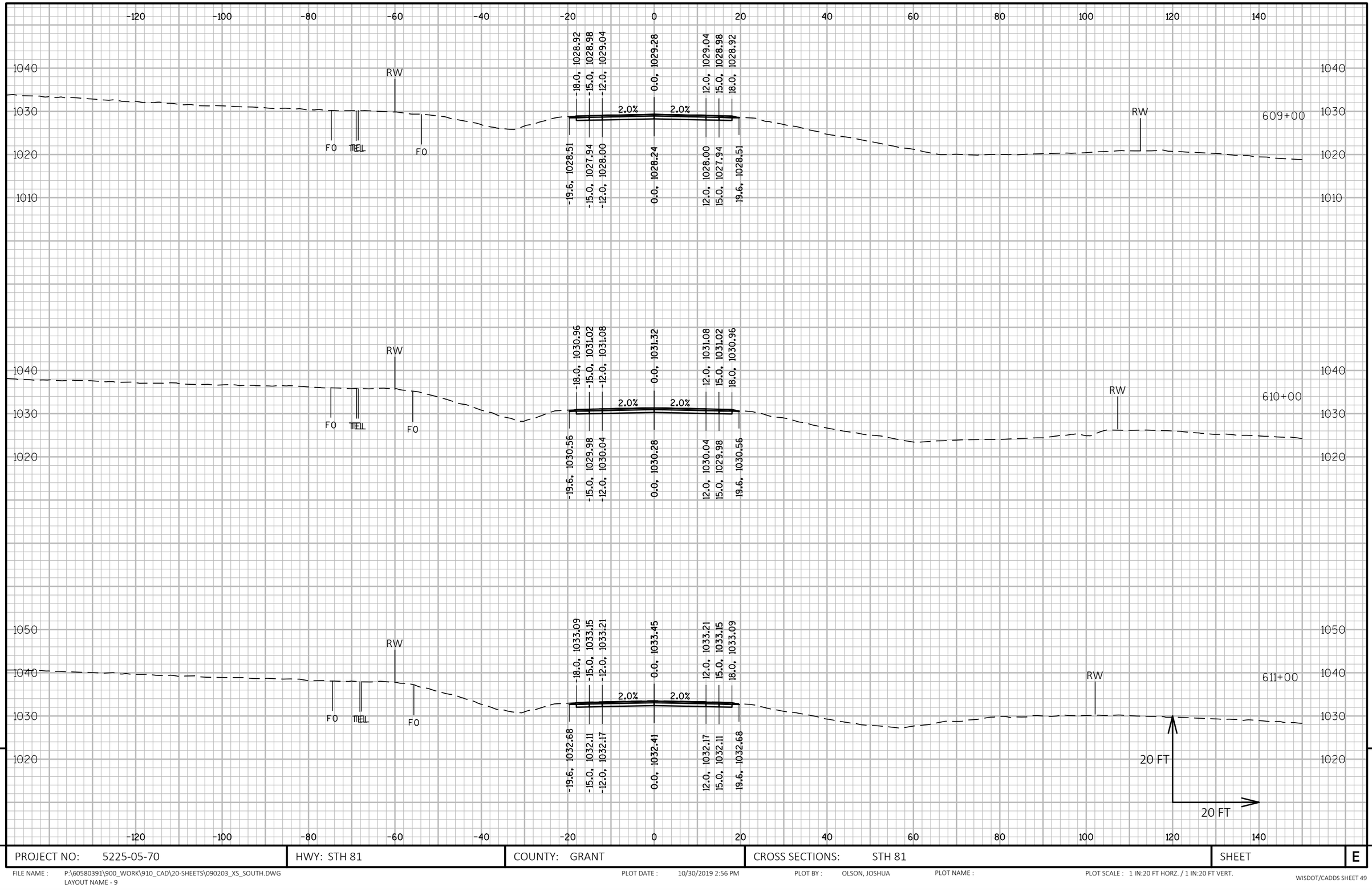


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 8

PLOT DATE : 10/30/2019 2:55 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 9

PLOT DATE : 10/30/2019 2:56 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

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

1050 1040 1030

RW FO TEL FO

-20.8, 1034.99 -17.8, 1035.05 -14.8, 1035.11 0.0, 1035.40 13.9, 1035.12 16.9, 1035.06 19.9, 1035.00

2.0% 2.0%

-22.4, 1034.58 -17.8, 1034.00 -14.8, 1034.06 0.0, 1034.36 13.9, 1034.08 16.9, 1034.02 21.5, 1034.60

612+00

RW

OH TEL FO FO TEL FO

-17.6, 1036.56 0.0, 1036.91 17.4, 1036.56

2.0% 2.0%

-17.6, 1035.52 0.0, 1035.87 17.4, 1035.52

613+00

RW TEL FO

BUNKER RIDGE ROAD

OH FO TEL FO TEL TEL FO

-17.6, 1036.68 0.0, 1037.03 17.3, 1036.69

2.0% 2.0%

-17.6, 1035.64 0.0, 1035.99 17.3, 1035.64

613+09

RW FO TEL

20 FT

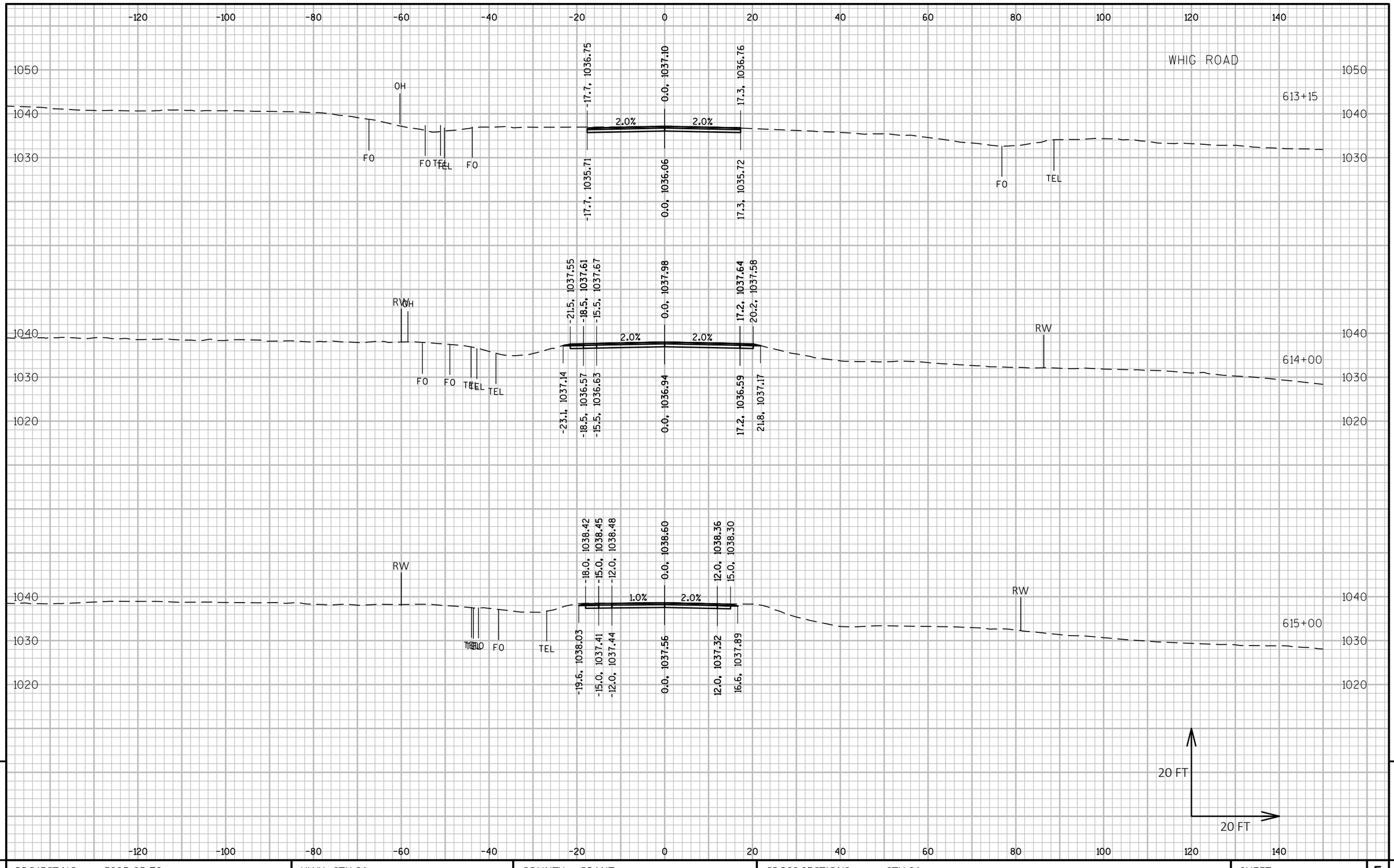
20 FT

9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 10

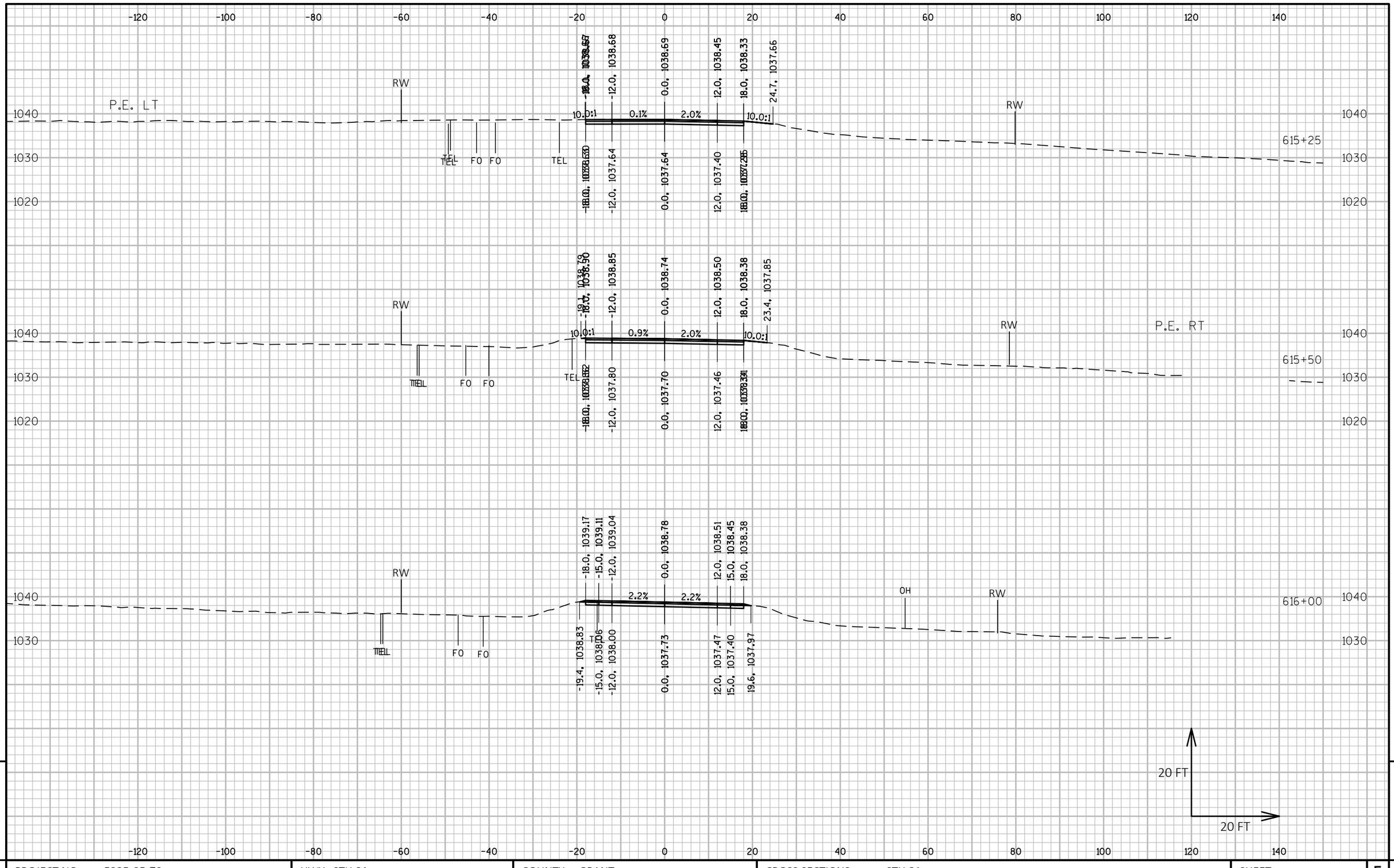
PLOT DATE : 10/30/2019 2:57 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 11

PLOT DATE : 10/30/2019 2:59 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

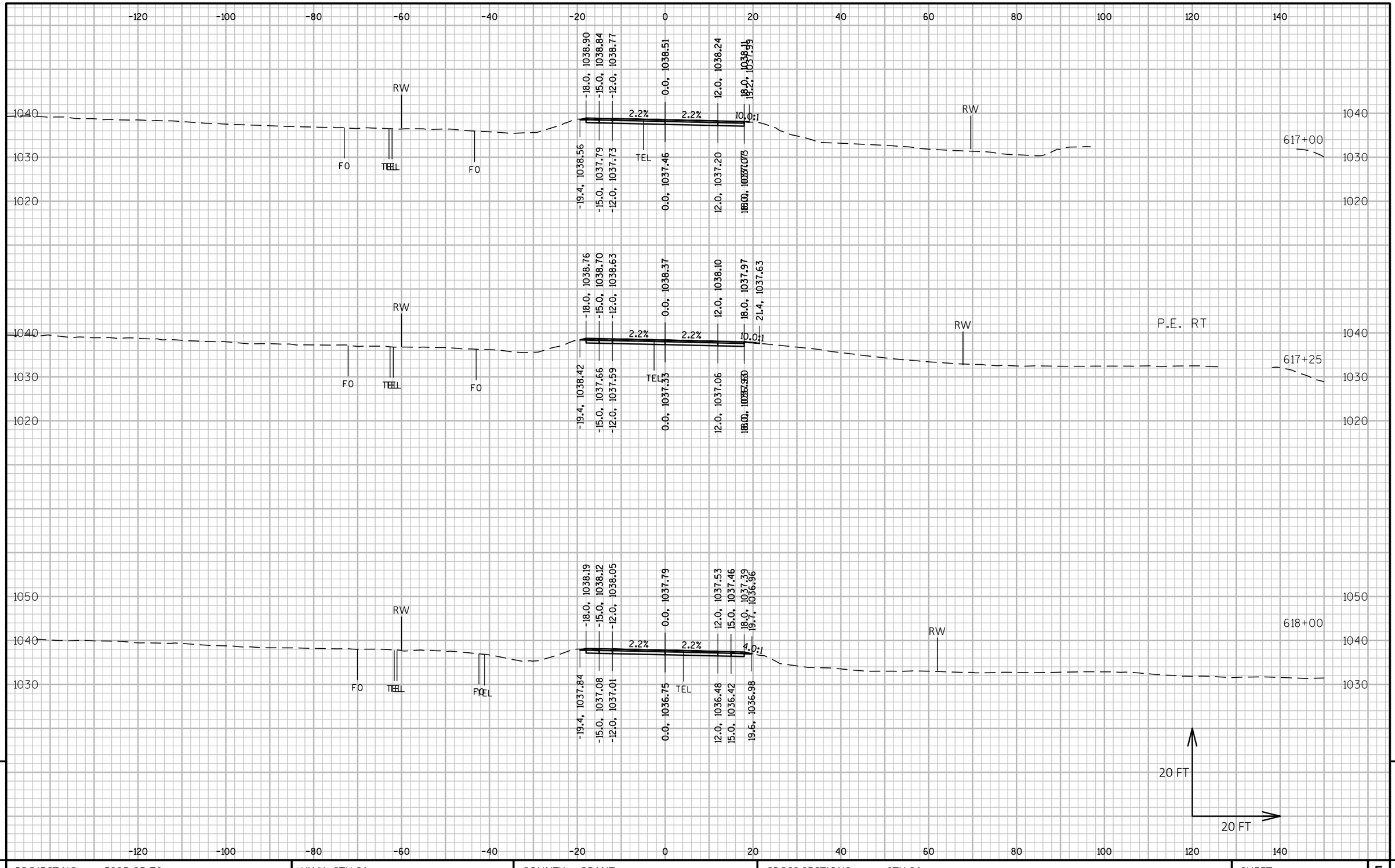
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 12

PLOT DATE : 10/30/2019 3:00 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

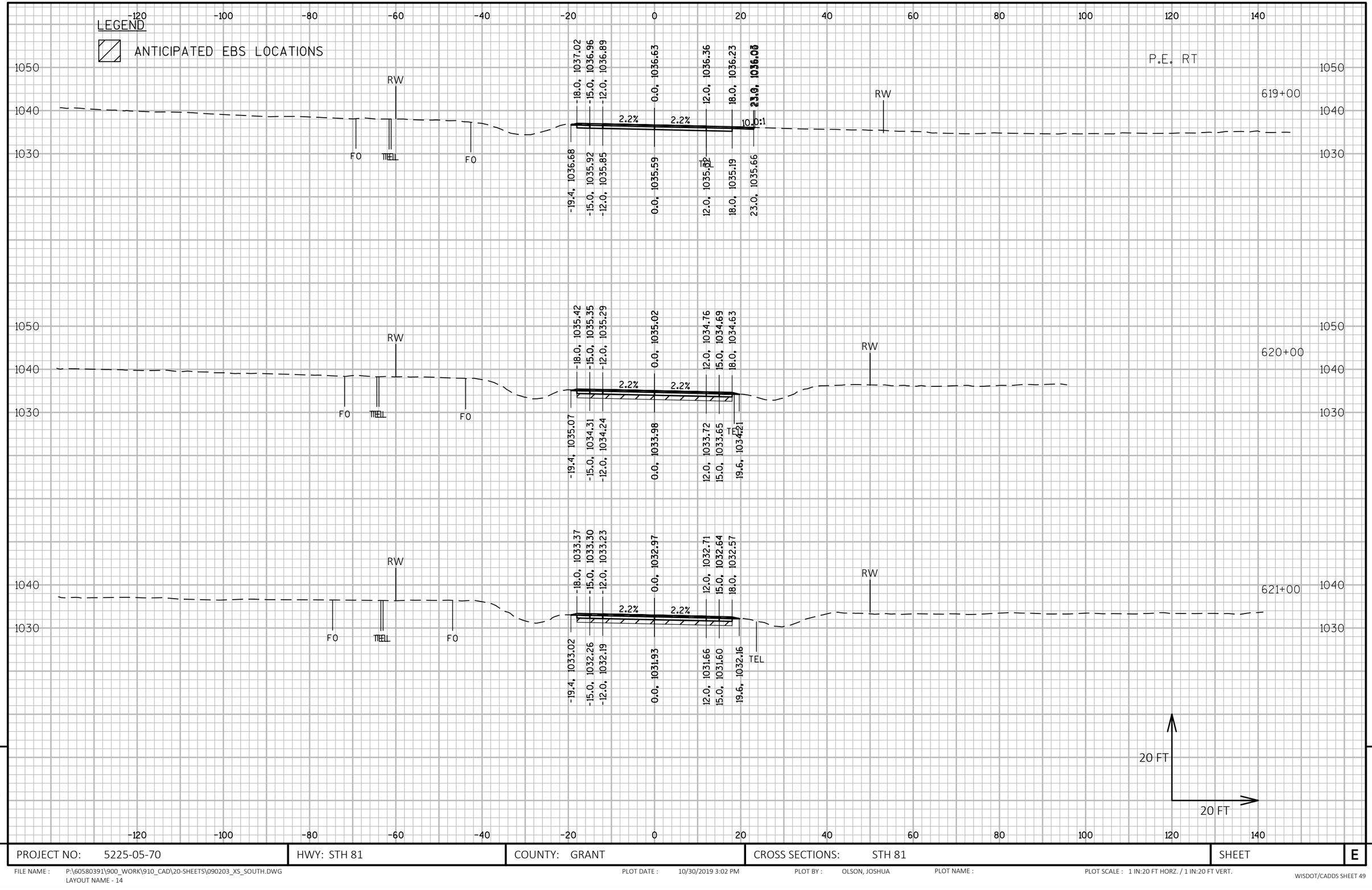


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 13
PLOT DATE : 10/30/2019 3:01 PM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

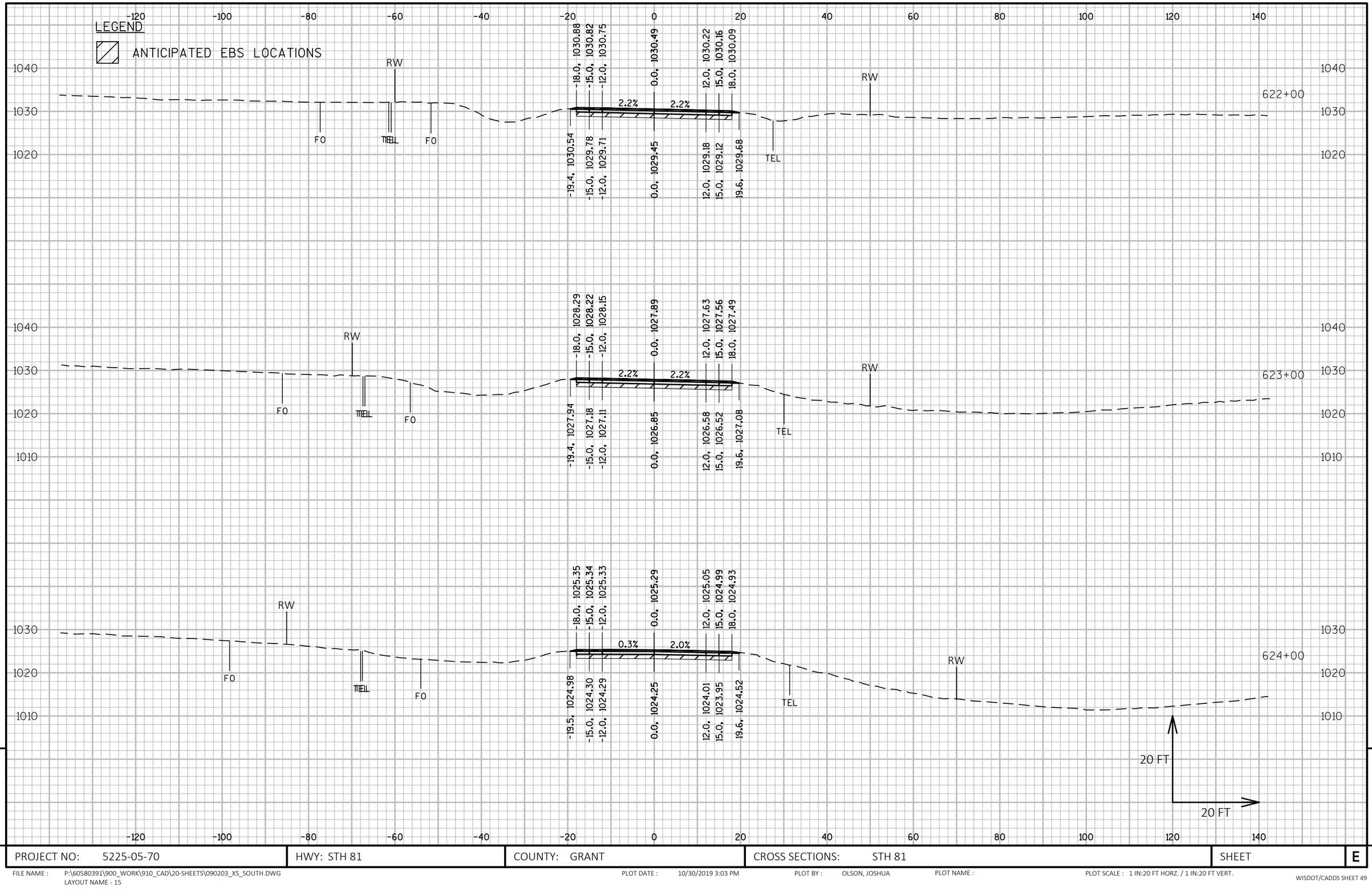
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 14

PLOT DATE : 10/30/2019 3:02 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

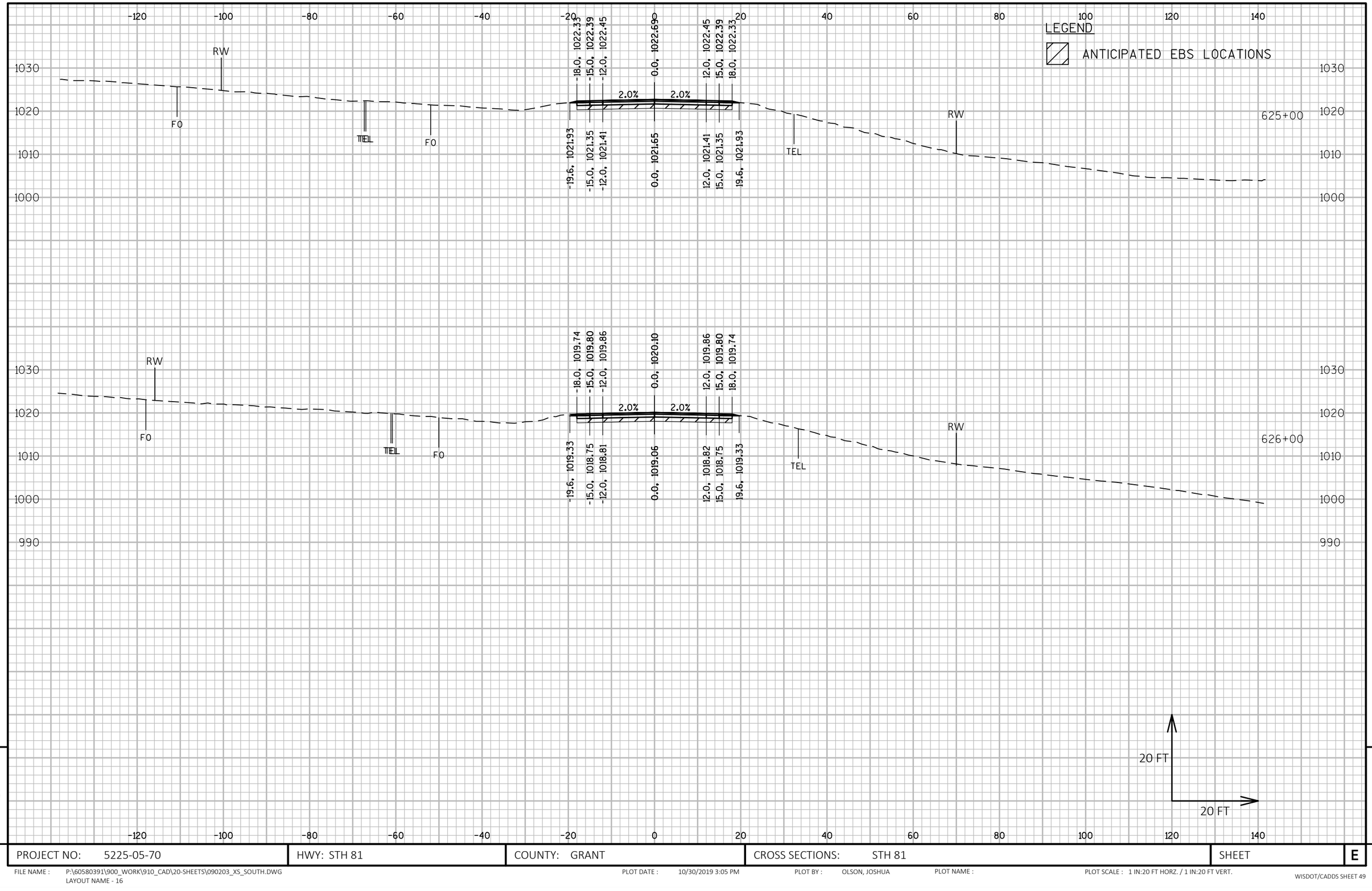
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 15

PLOT DATE : 10/30/2019 3:03 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

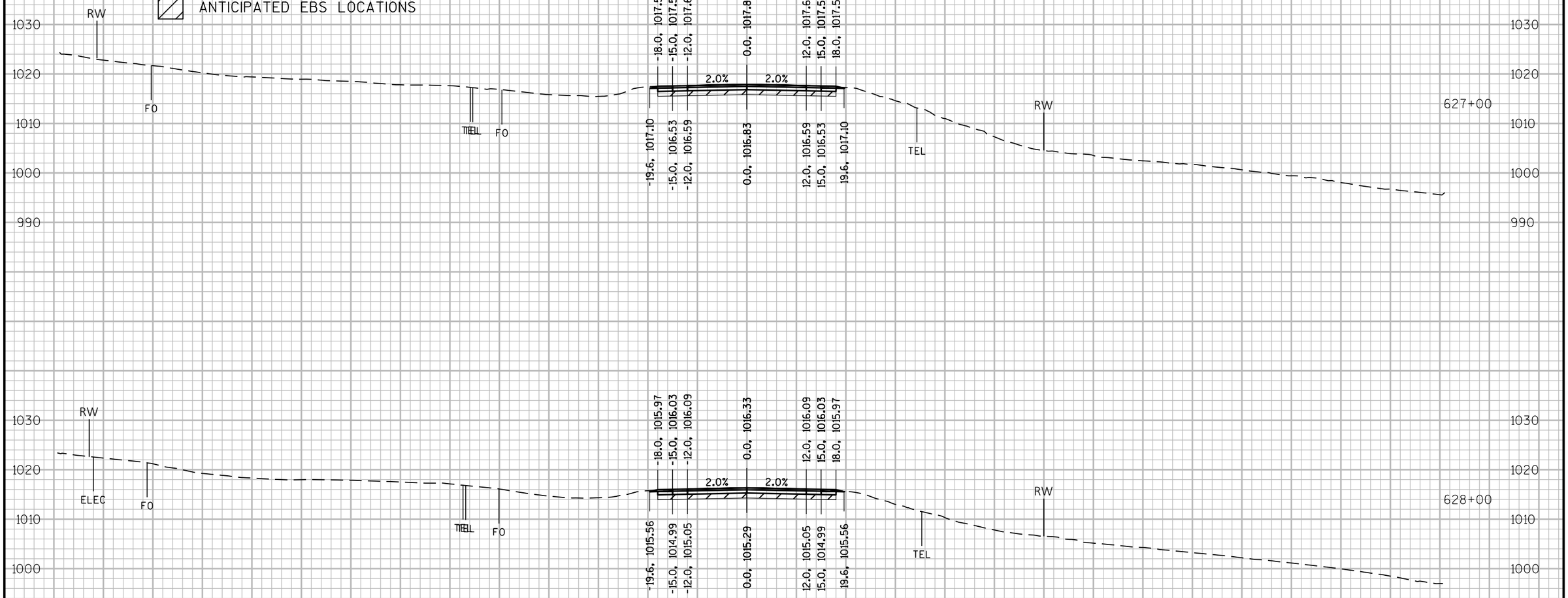
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 16

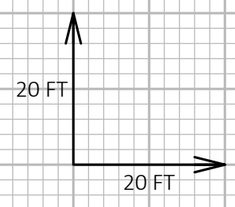
PLOT DATE : 10/30/2019 3:05 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS





9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 17

PLOT DATE : 10/30/2019 3:06 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS

628+50

P.E. LT

RW ELEC FO TEL FO TEL RW

-24.9, 1015.45
-23.0, 1015.25
-18.0, 1015.45
-12.0, 1015.57
0.0, 1015.81
12.0, 1015.57
15.0, 1015.51
18.0, 1015.45

10.0:1 2.0% 2.0%

-23.0, 1014.88
-18.0, 1014.41
-12.0, 1014.53
0.0, 1014.77
12.0, 1014.53
15.0, 1014.47
19.6, 1015.05

629+00

RW FO TEL FO TEL RW

-18.0, 1015.11
-15.0, 1015.17
-12.0, 1015.23
0.0, 1015.47
12.0, 1015.23
15.0, 1015.17
18.0, 1015.11

2.0% 2.0%

-19.6, 1014.70
-15.0, 1014.13
-12.0, 1014.19
0.0, 1014.43
12.0, 1014.19
15.0, 1014.13
19.6, 1014.70

20 FT
20 FT

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

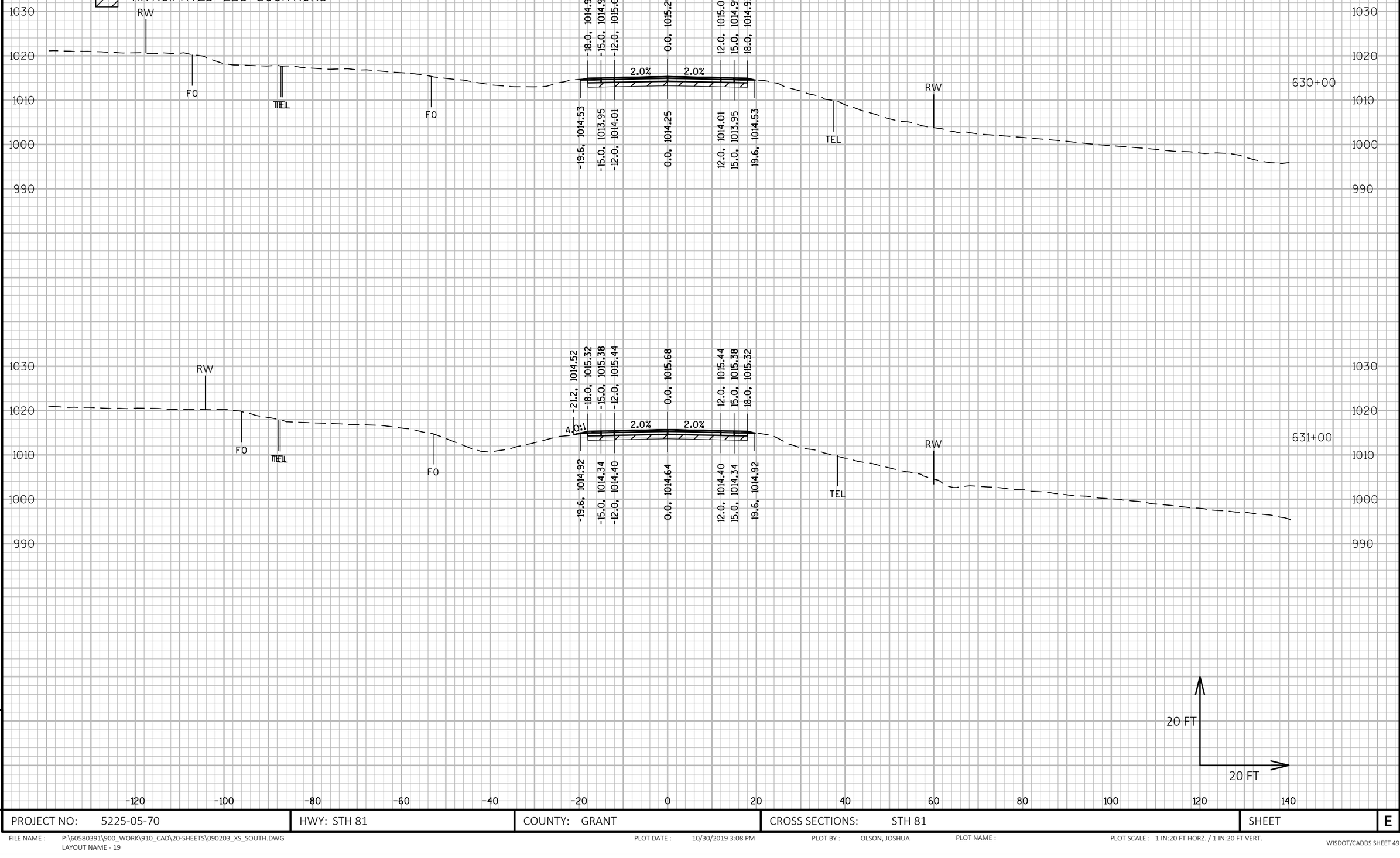
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 18

PLOT DATE : 10/30/2019 3:07 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS

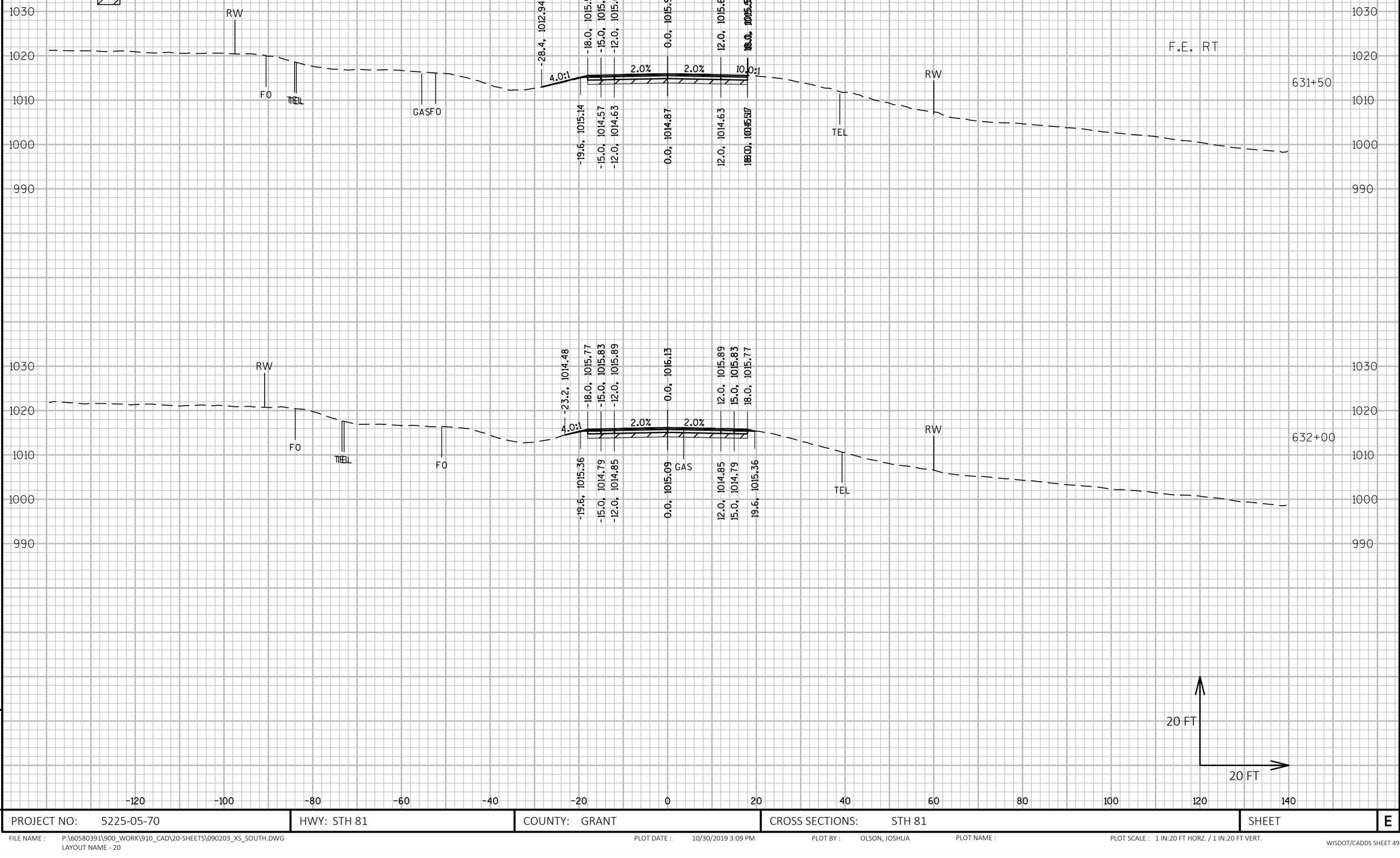


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 19
PLOT DATE : 10/30/2019 3:08 PM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

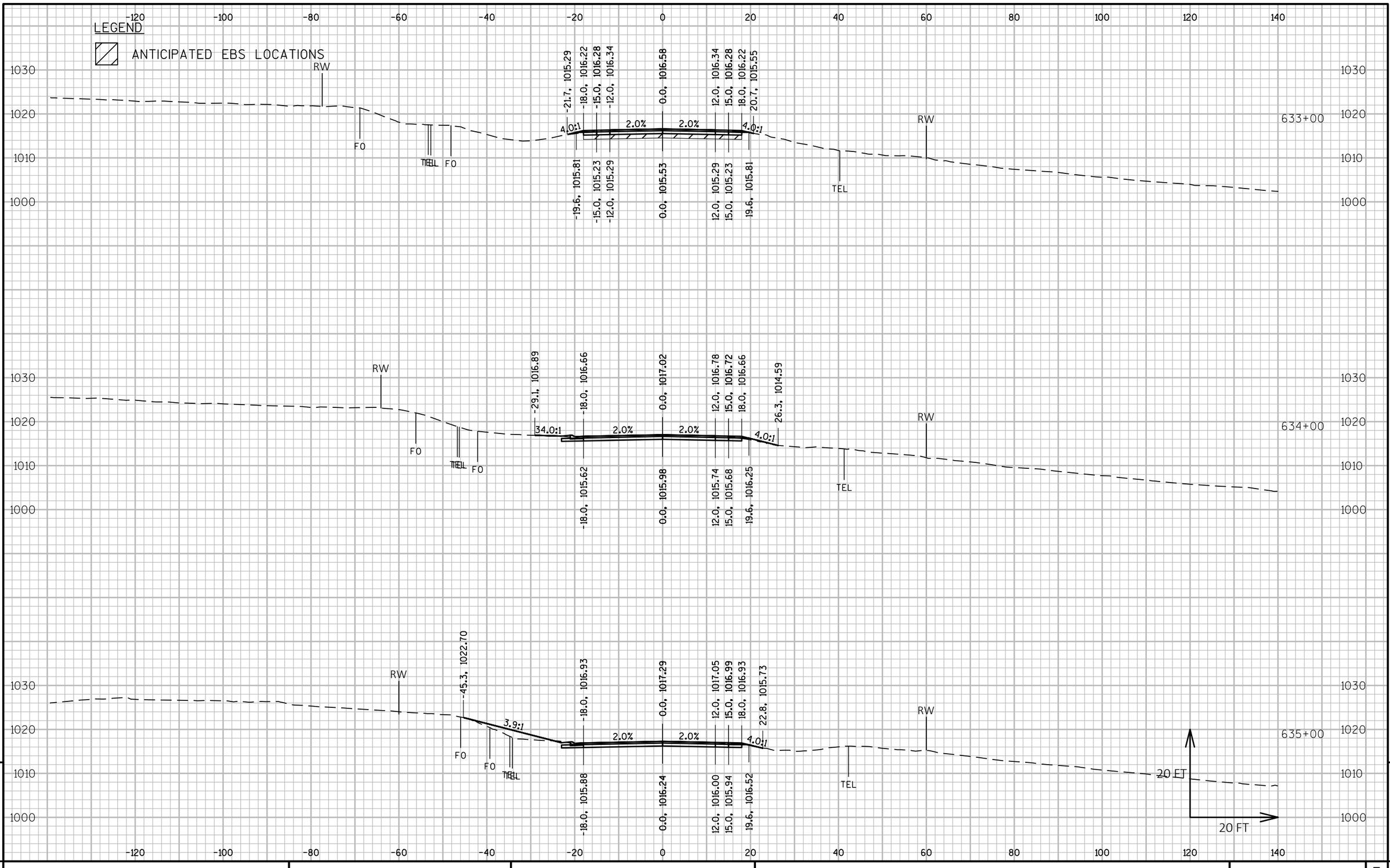
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 20

PLOT DATE : 10/30/2019 3:09 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS

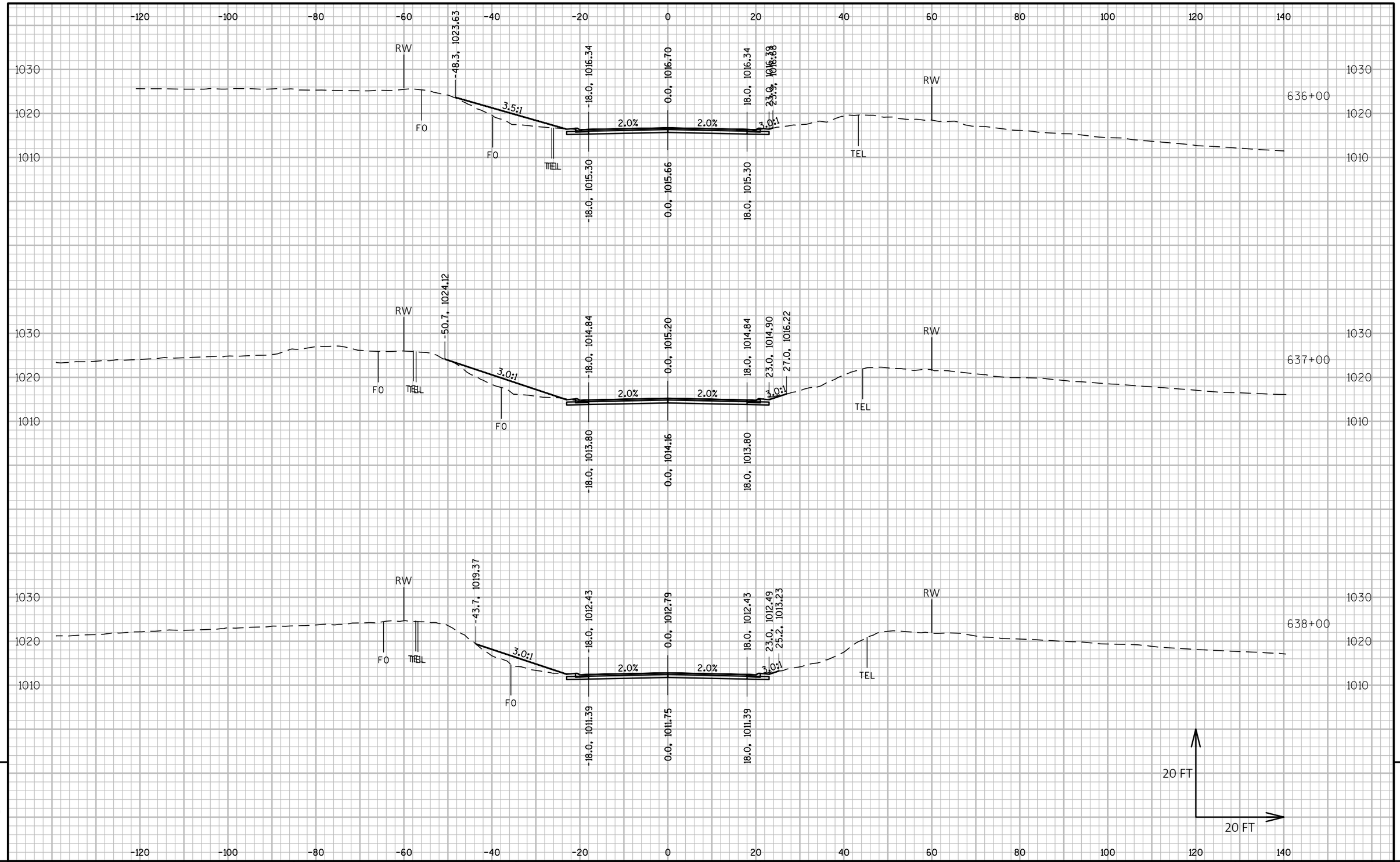


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 21

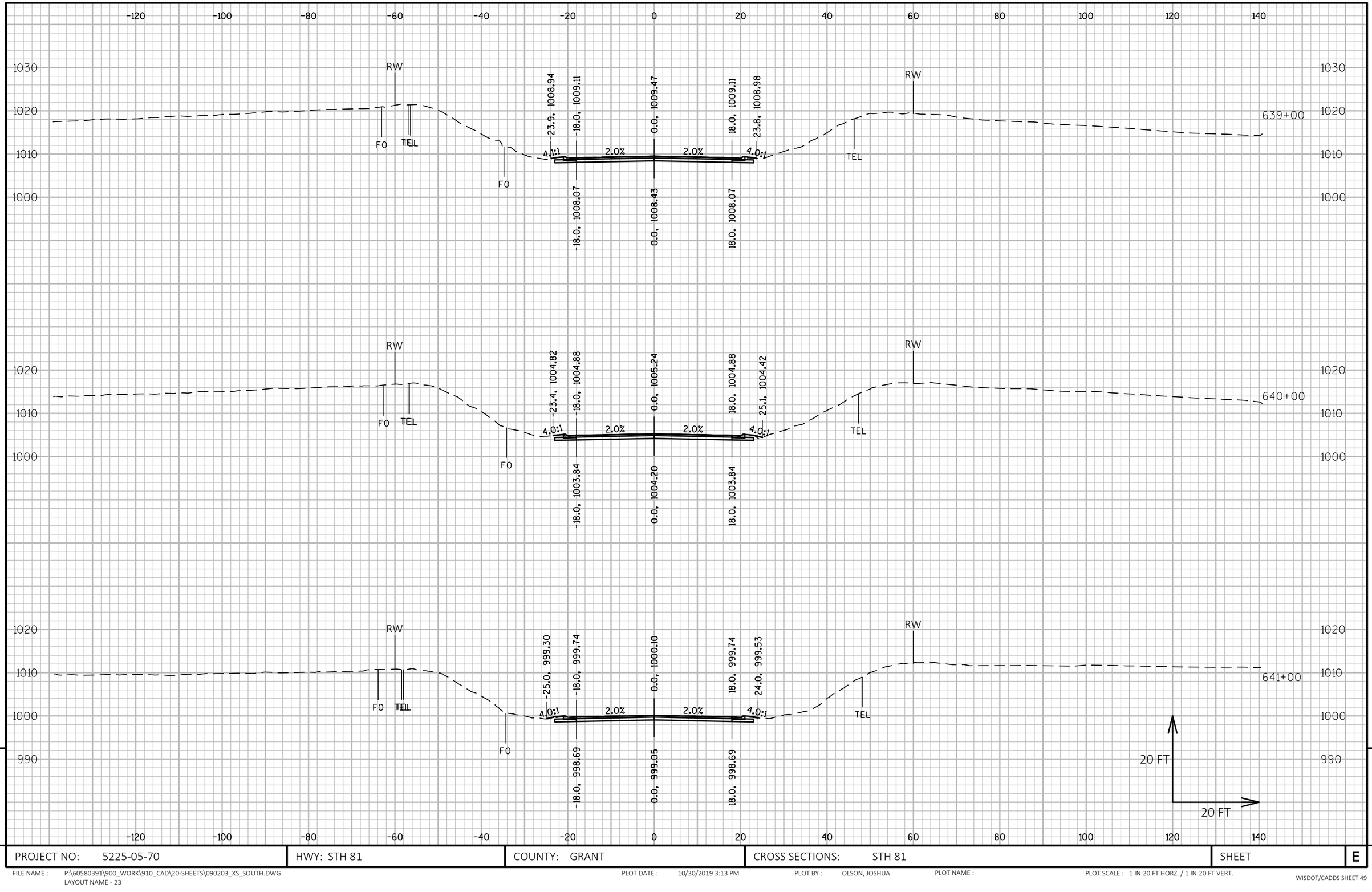
PLOT DATE : 10/30/2019 3:10 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 22
PLOT DATE : 10/30/2019 3:12 PM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

9

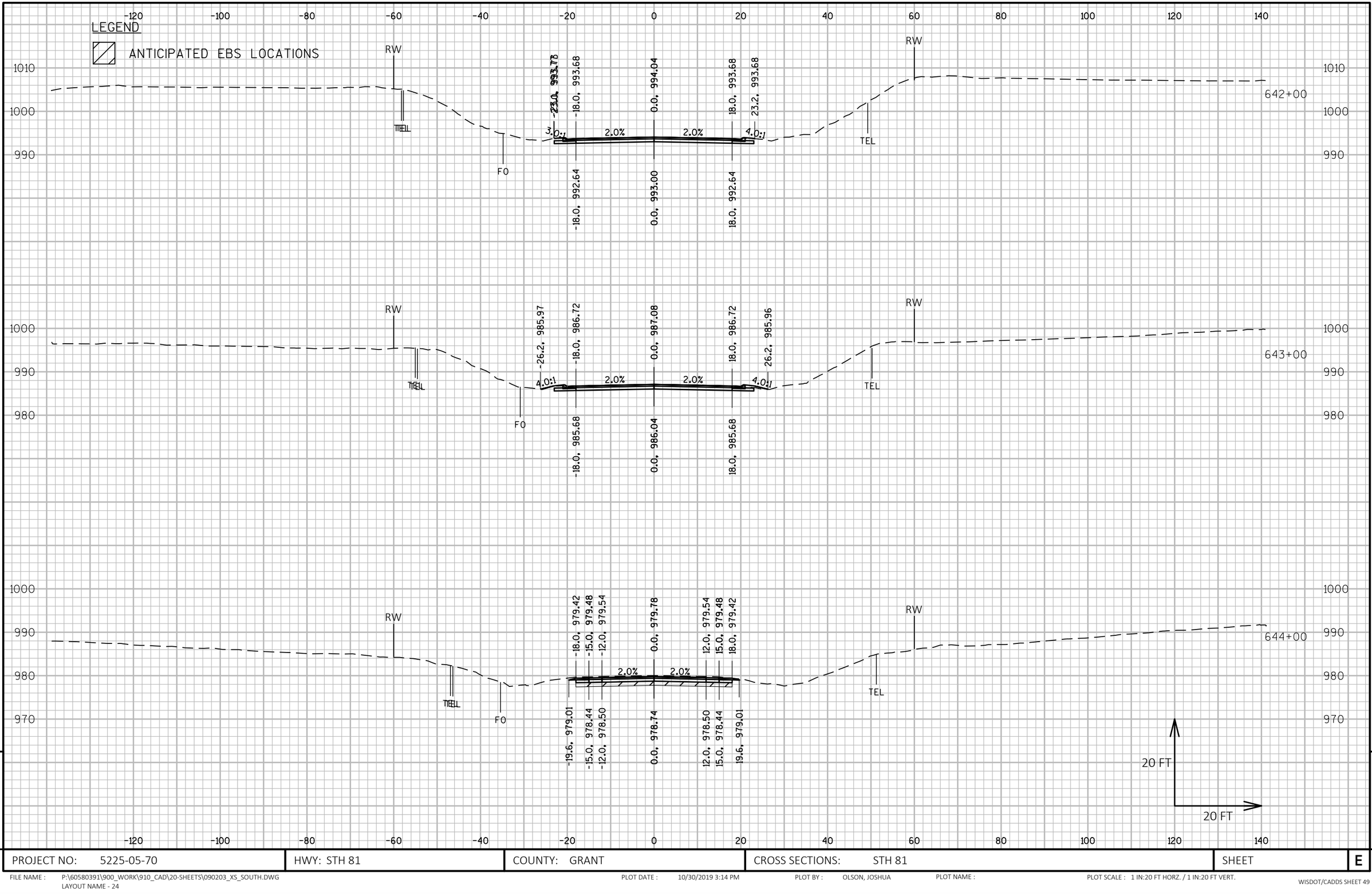
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 23

PLOT DATE : 10/30/2019 3:13 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 24

PLOT DATE : 10/30/2019 3:14 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

LEGEND

ANTICIPATED EBS LOCATIONS

645+00

RW -18.0, 972.11 -15.0, 972.17 -12.0, 972.23 0.0, 972.47 12.0, 972.23 15.0, 972.17 18.0, 972.11 RW

2.0% 2.0%

TEL TEL -19.6, 971.71 -15.0, 971.13 -12.0, 971.19 0.0, 971.43 12.0, 971.19 15.0, 971.13 19.6, 971.71

646+00

RW -18.0, 964.81 -15.0, 964.87 -12.0, 964.93 0.0, 965.17 12.0, 964.93 15.0, 964.87 18.0, 964.81 RW

2.0% 2.0%

TEL TEL F0 -19.6, 964.40 -15.0, 963.83 -12.0, 963.89 0.0, 964.13 12.0, 963.89 15.0, 963.83 19.6, 964.40

647+00

RW -18.0, 957.51 -15.0, 957.57 -12.0, 957.63 0.0, 957.87 12.0, 957.76 15.0, 957.74 18.0, 957.71 RW

2.0% 0.9%

TEL F0 F0 TEL -19.6, 957.10 -15.0, 956.53 -12.0, 956.59 0.0, 956.83 12.0, 956.72 15.0, 956.69 19.6, 957.32

20 FT

20 FT

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

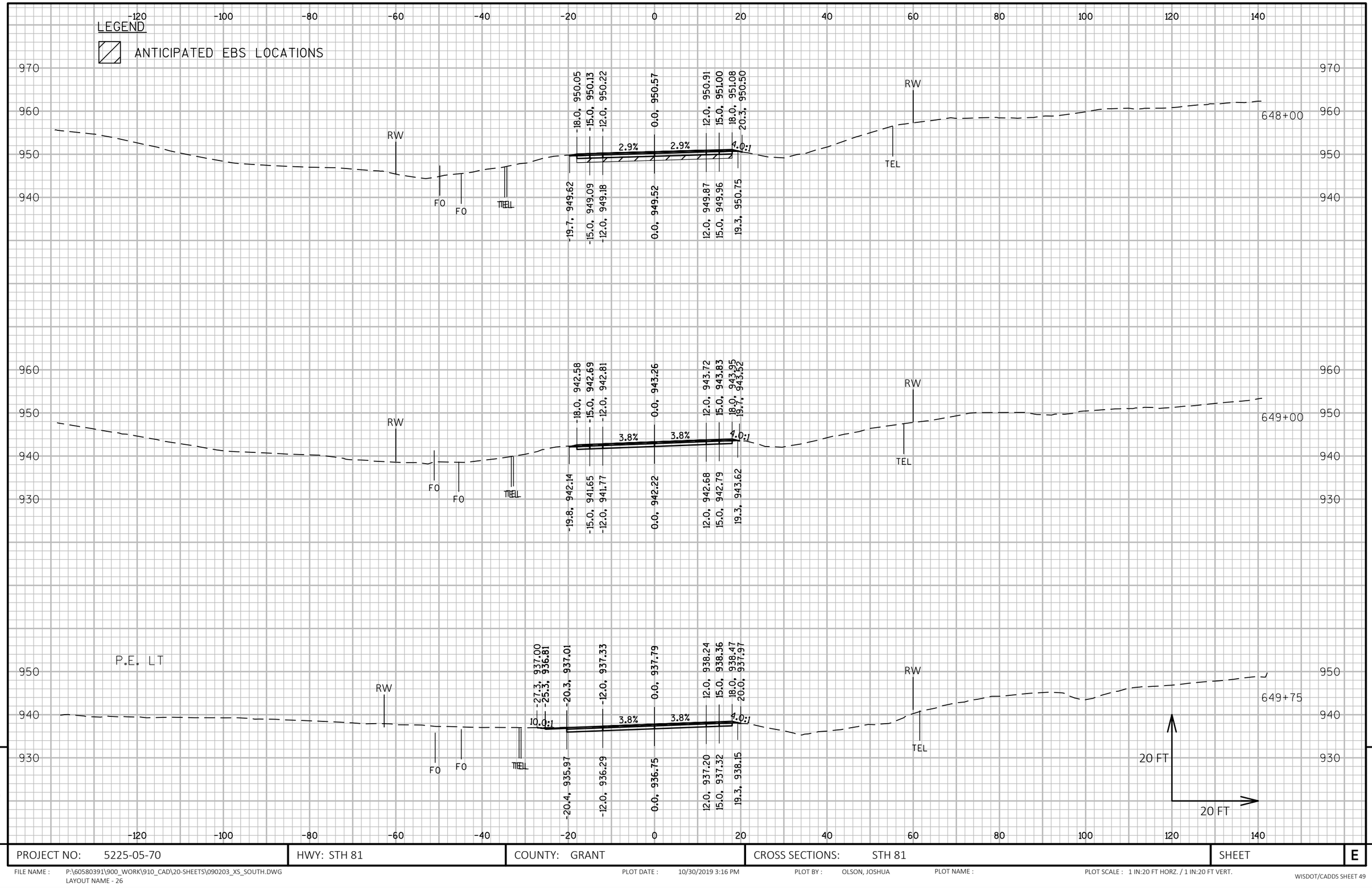
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 25

PLOT DATE : 10/30/2019 3:15 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



9

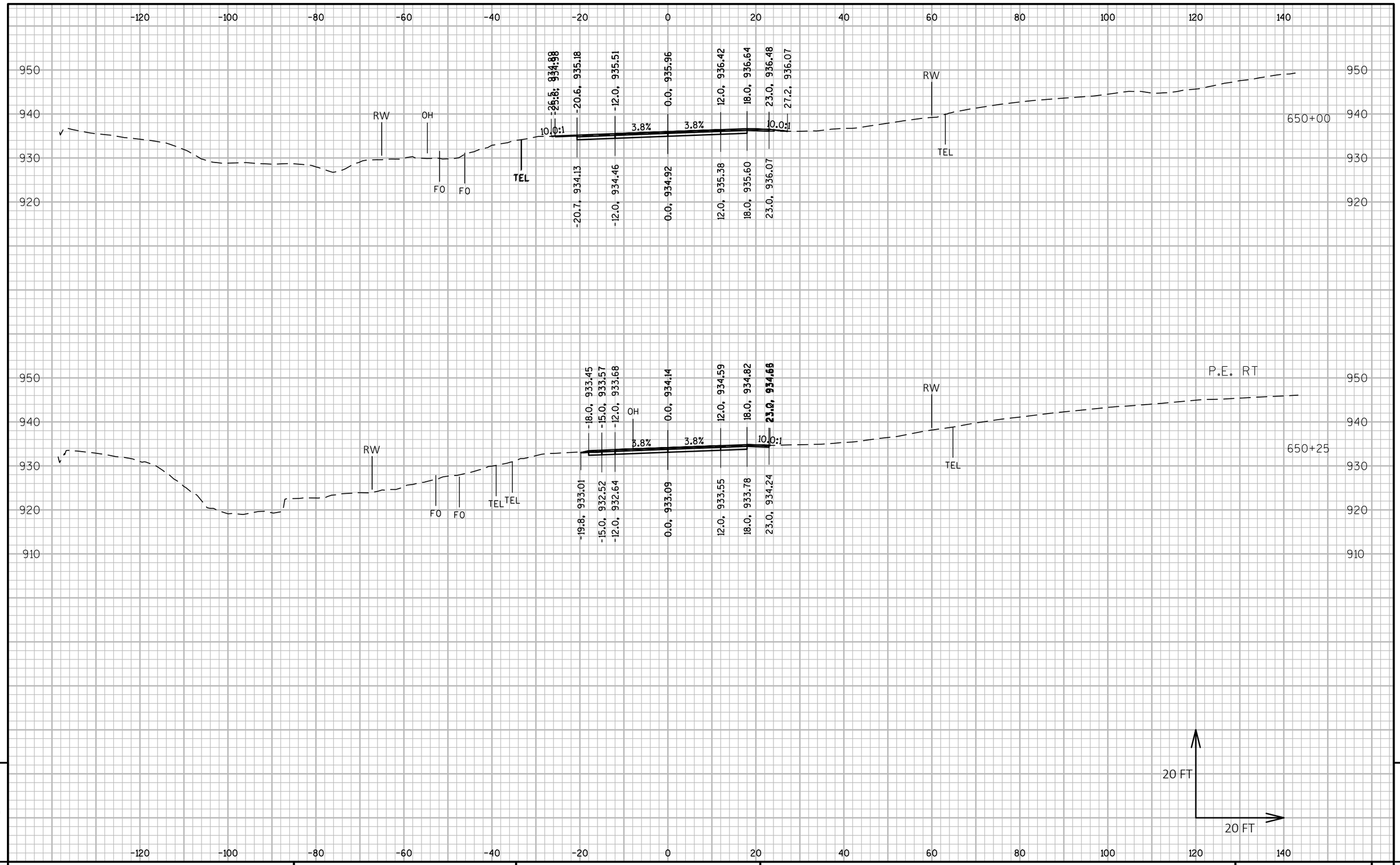
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 26

PLOT DATE : 10/30/2019 3:16 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 27

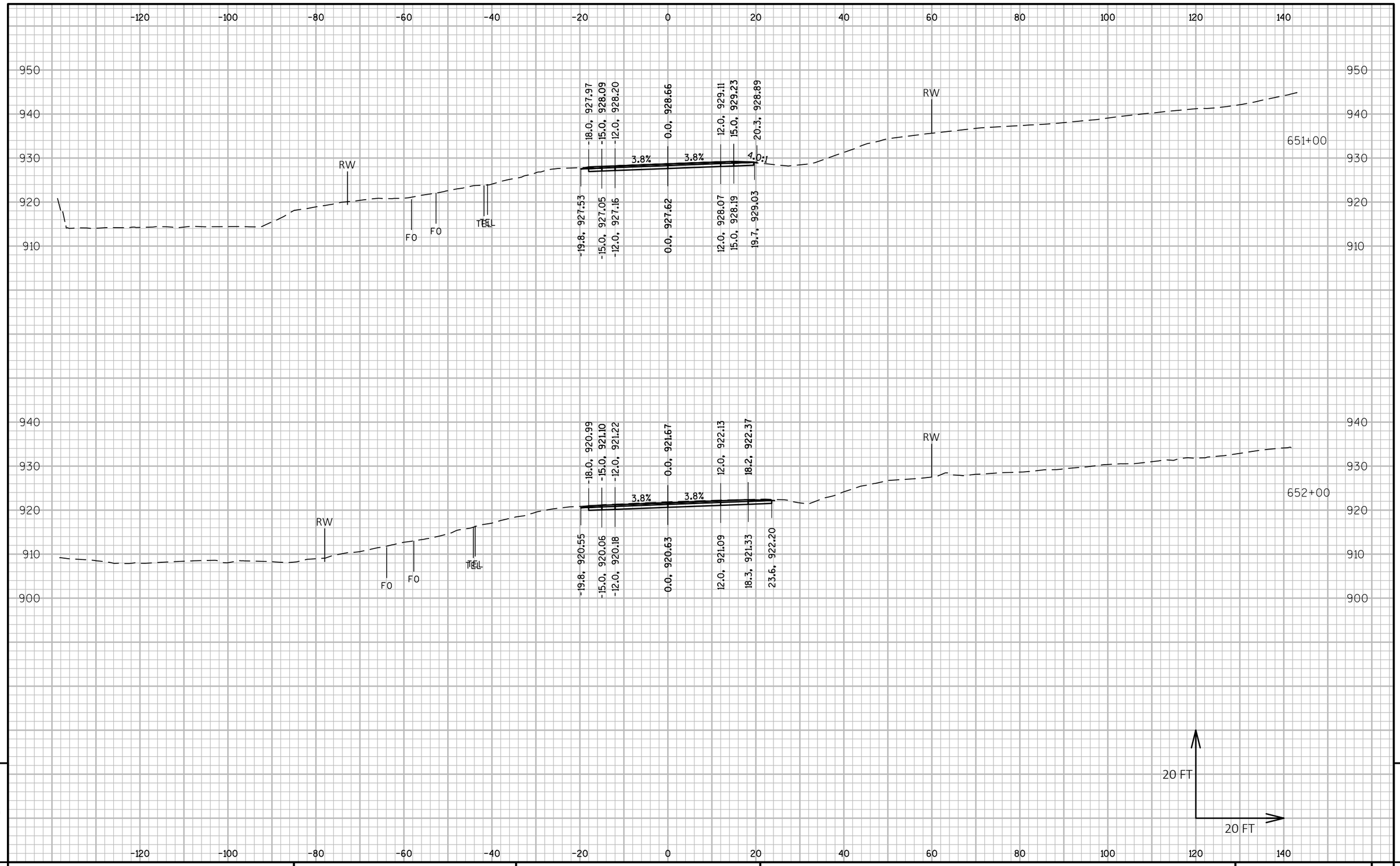
PLOT DATE : 10/30/2019 3:18 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

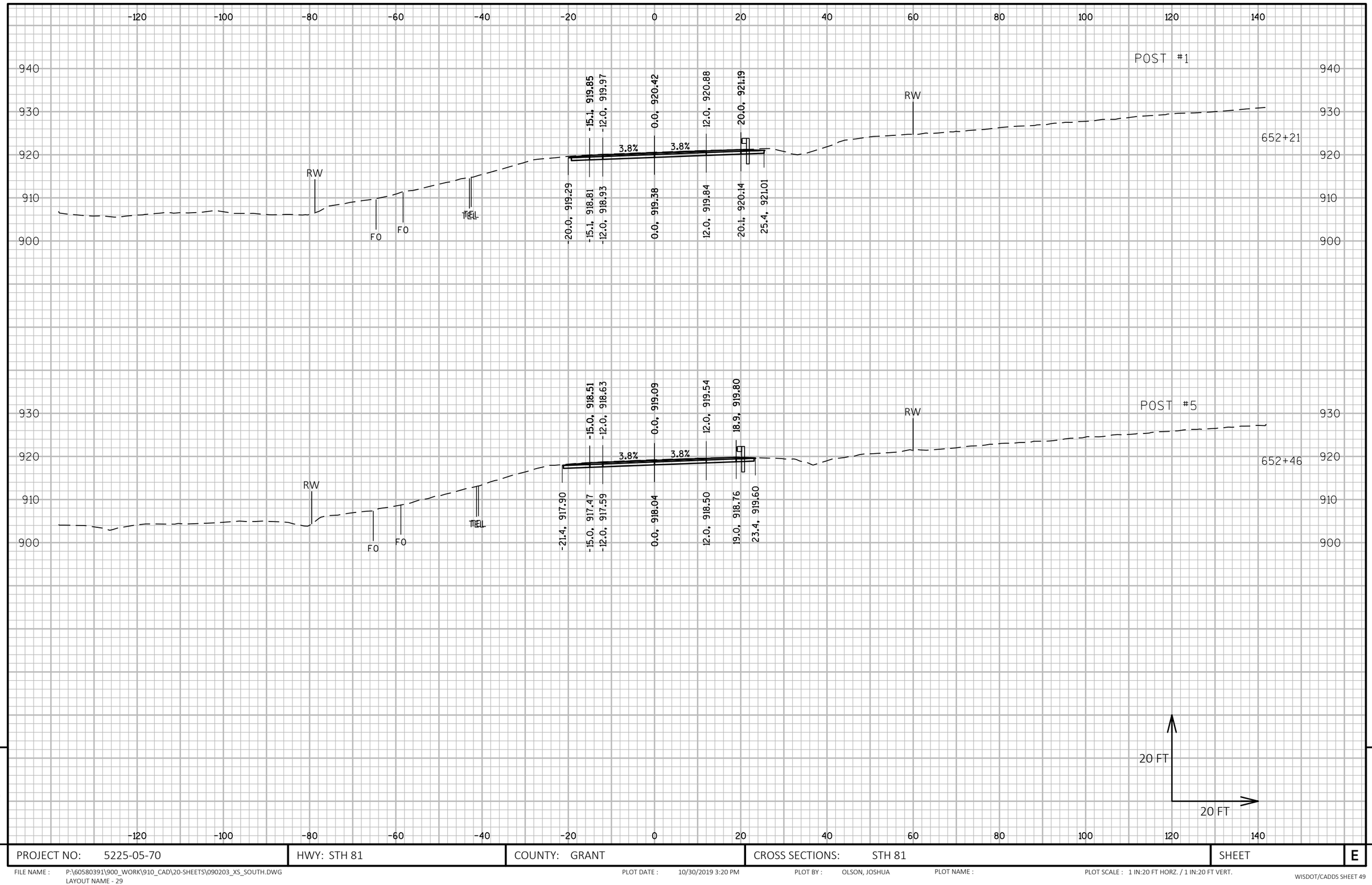
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 28

PLOT DATE : 10/30/2019 3:19 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



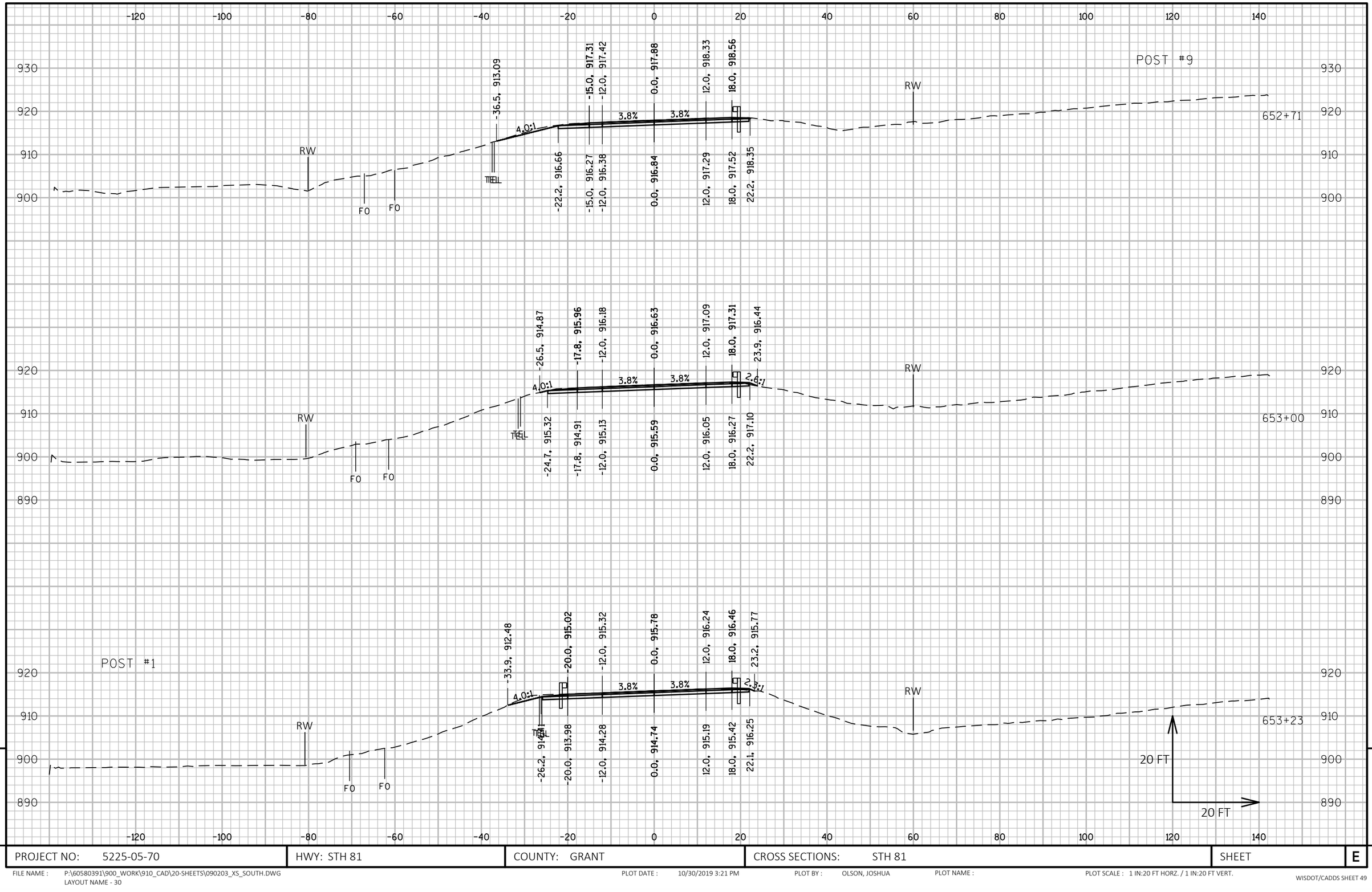
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 29

PLOT DATE : 10/30/2019 3:20 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



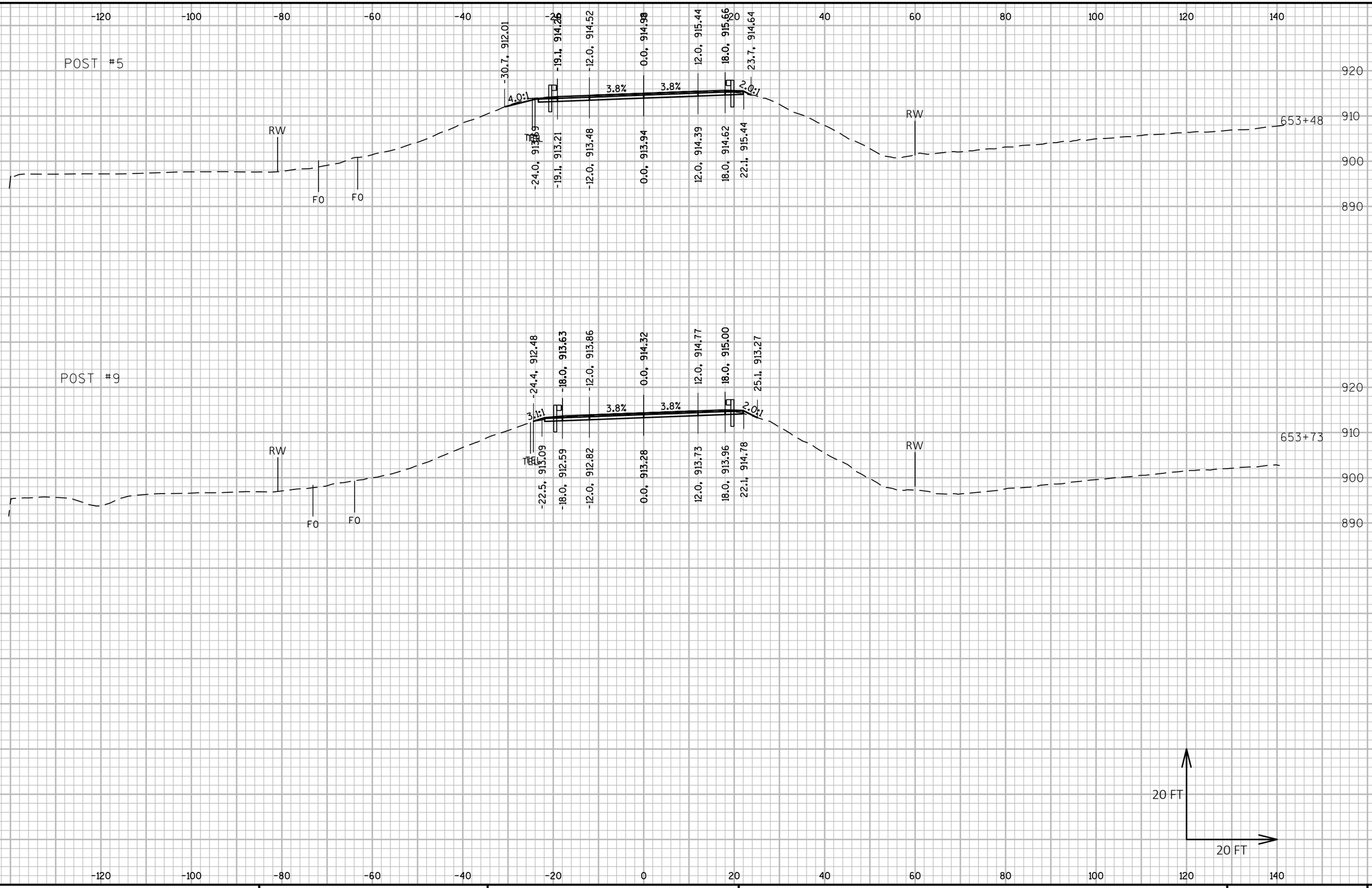
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 30

PLOT DATE : 10/30/2019 3:21 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

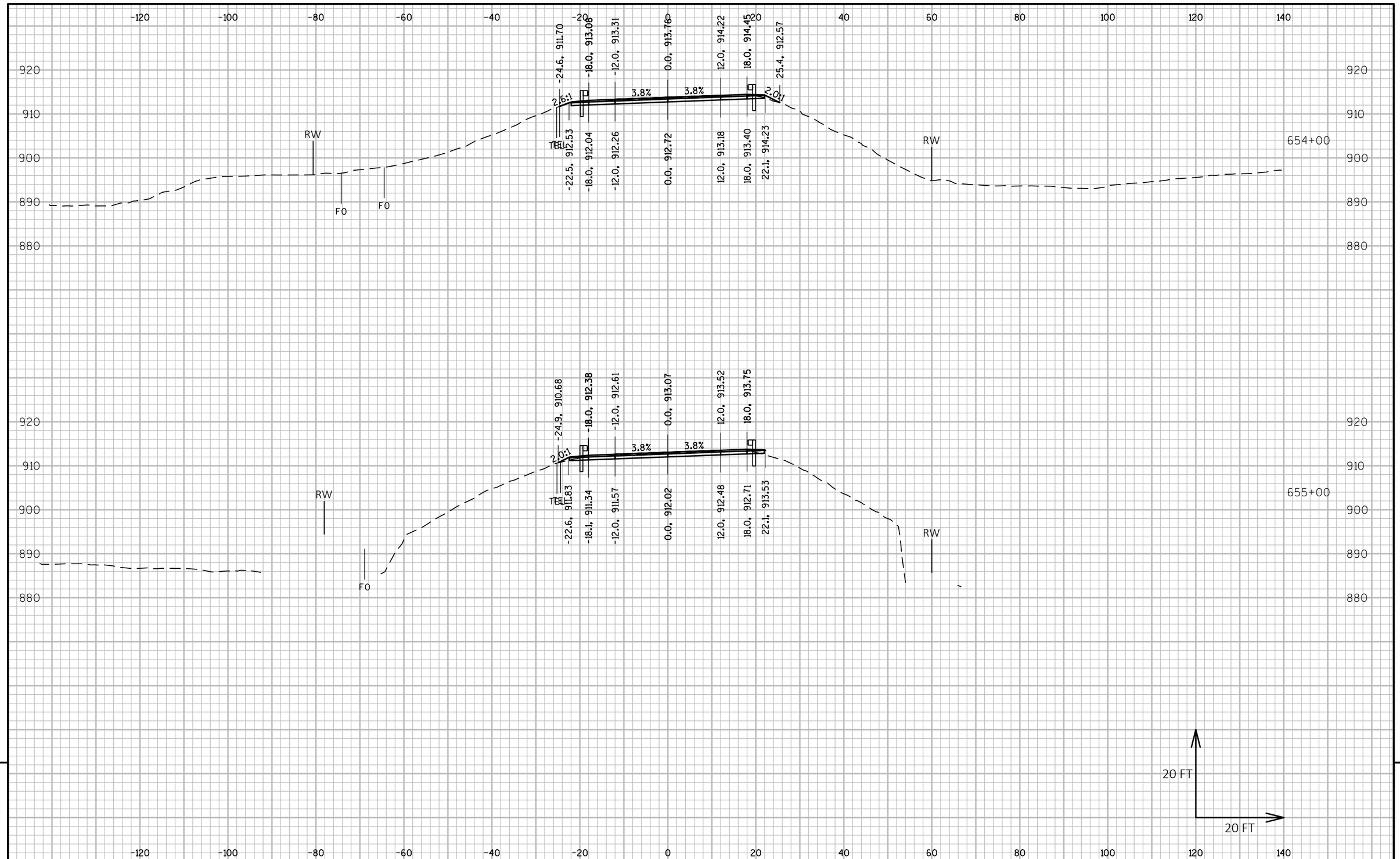


9					9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 31

PLOT DATE : 10/30/2019 3:22 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

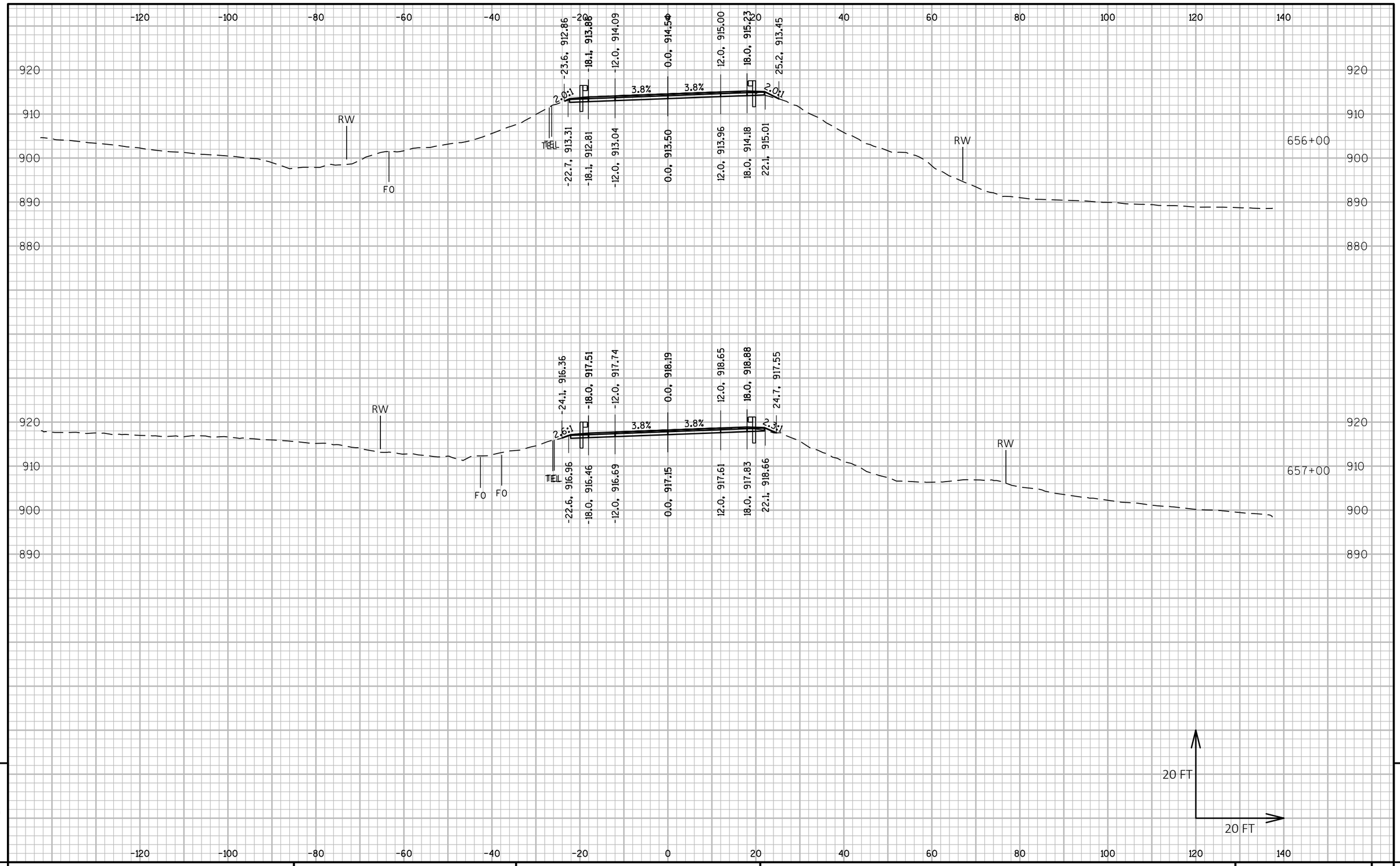


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 32

PLOT DATE : 10/30/2019 3:24 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

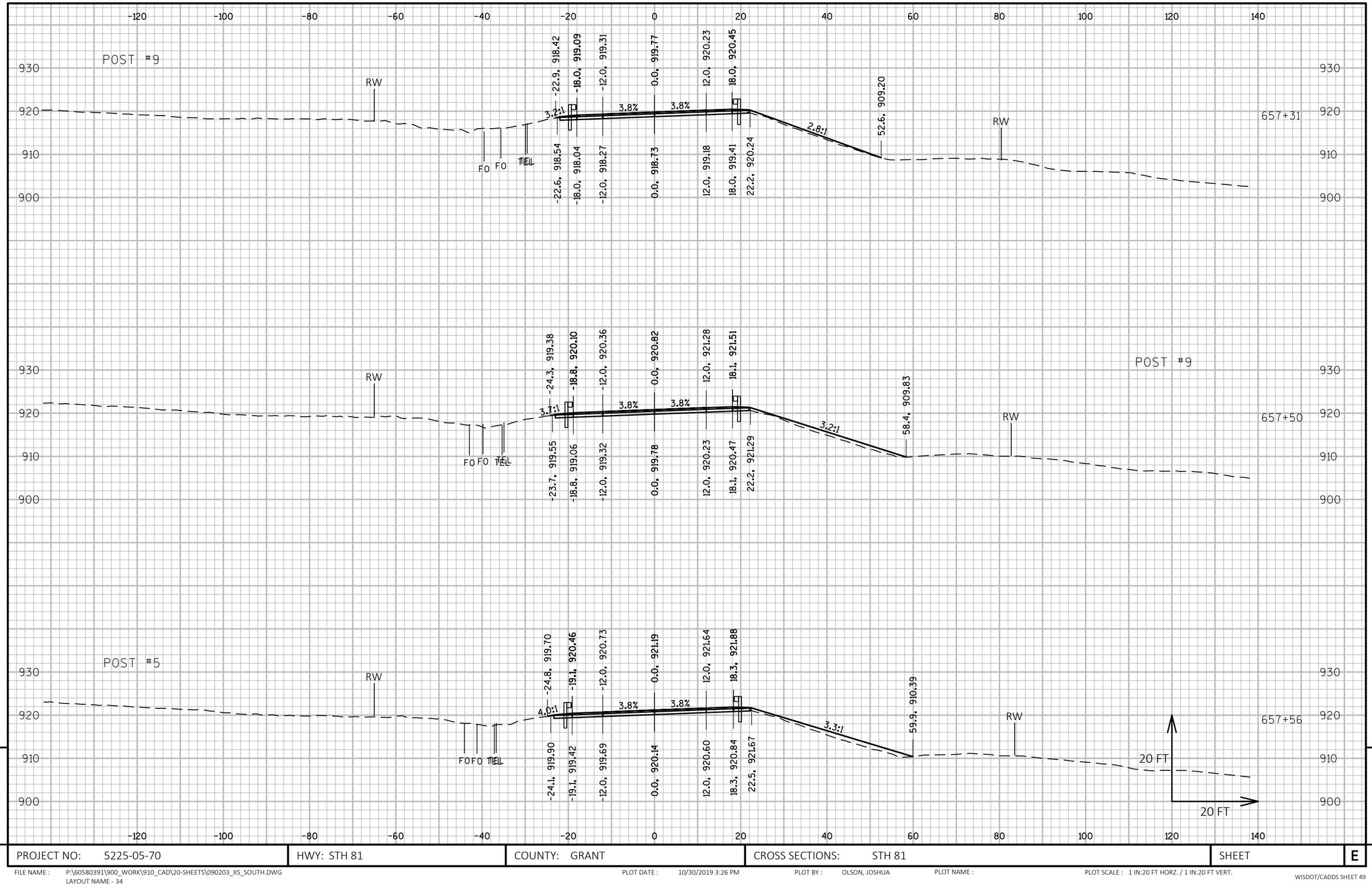


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 33

PLOT DATE : 10/30/2019 3:25 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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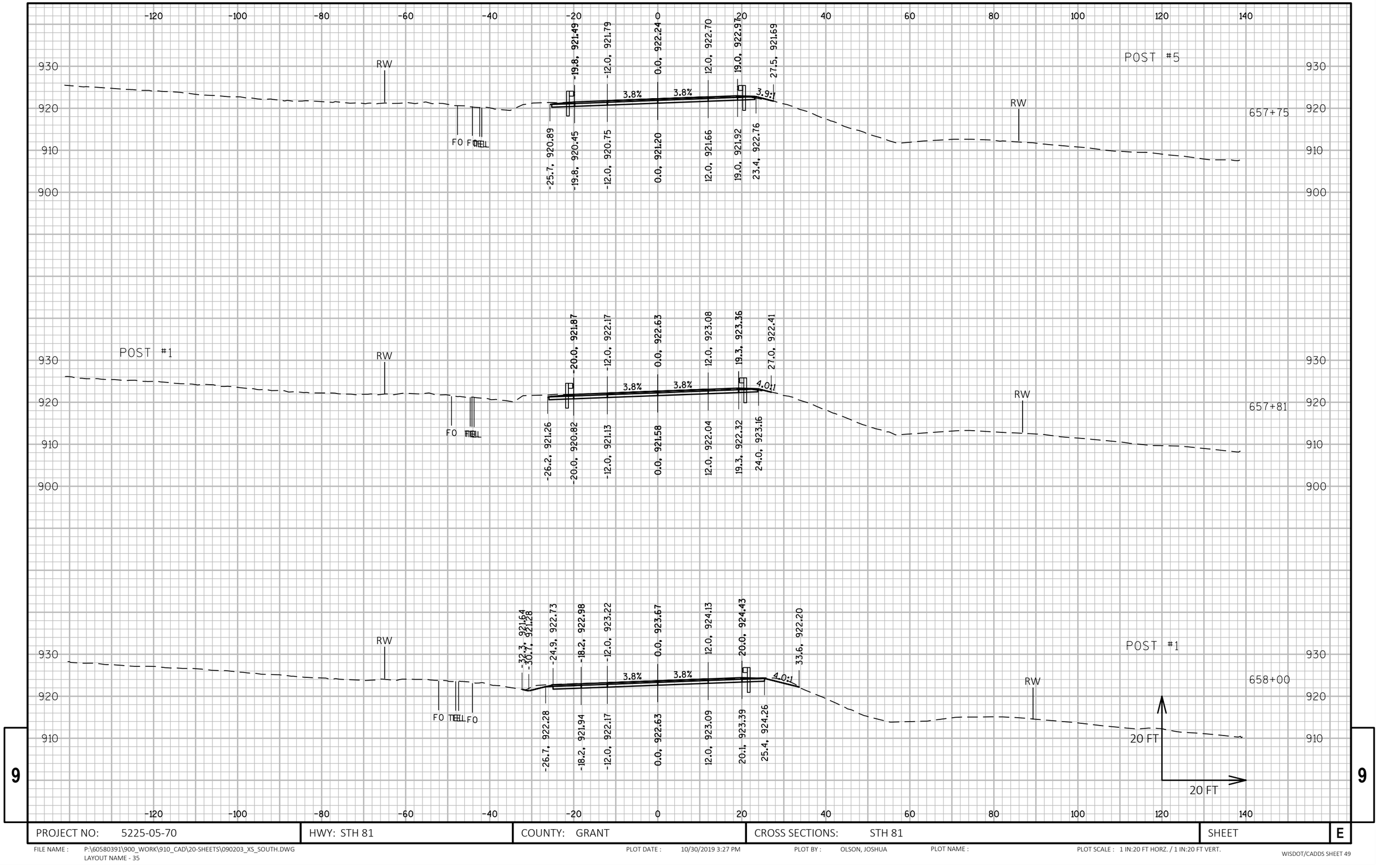
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 34

PLOT DATE : 10/30/2019 3:26 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 35

PLOT DATE : 10/30/2019 3:27 PM

PLOT BY : OLSON, JOSHUA

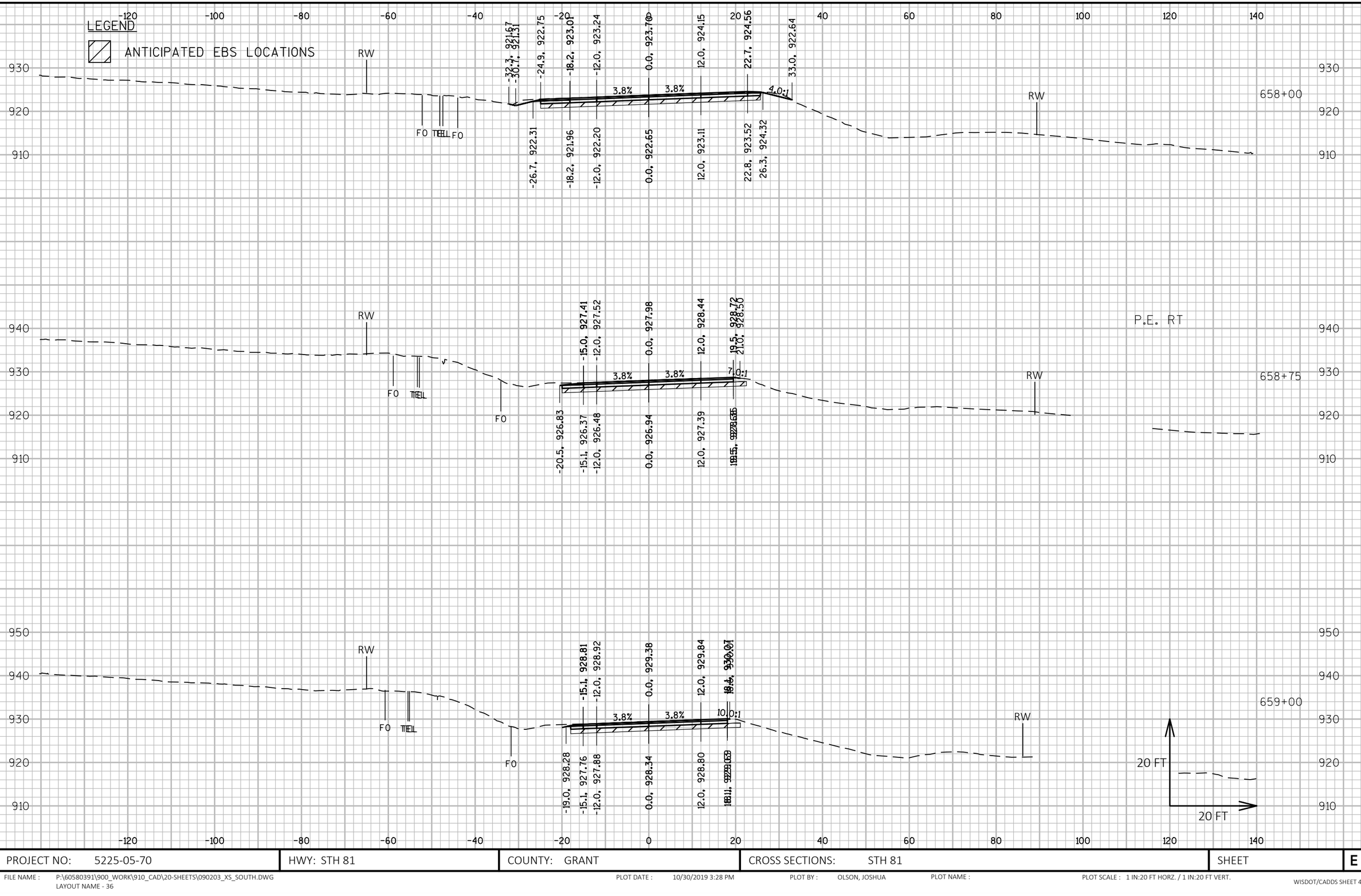
PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



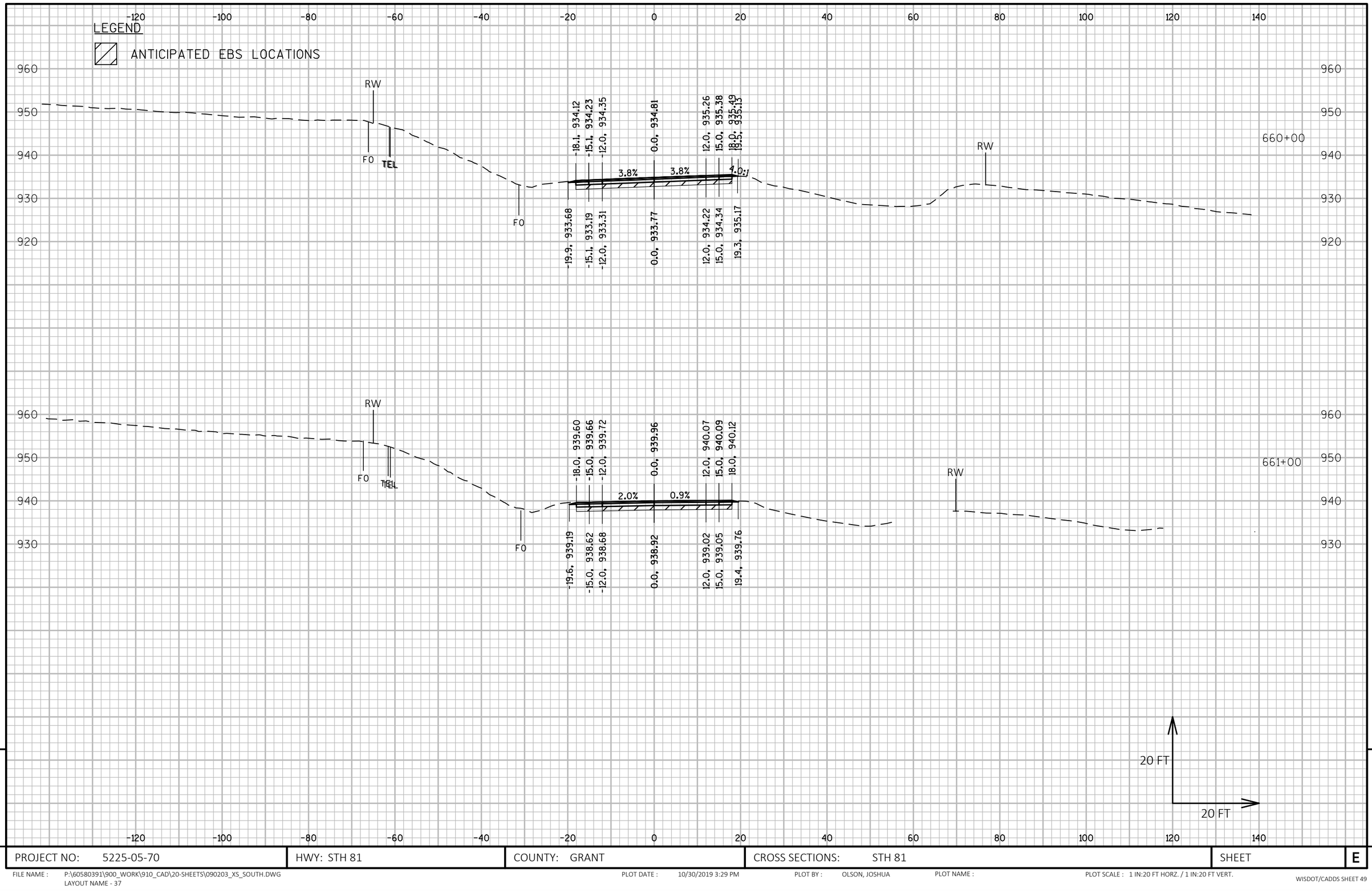
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 36

PLOT DATE : 10/30/2019 3:28 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

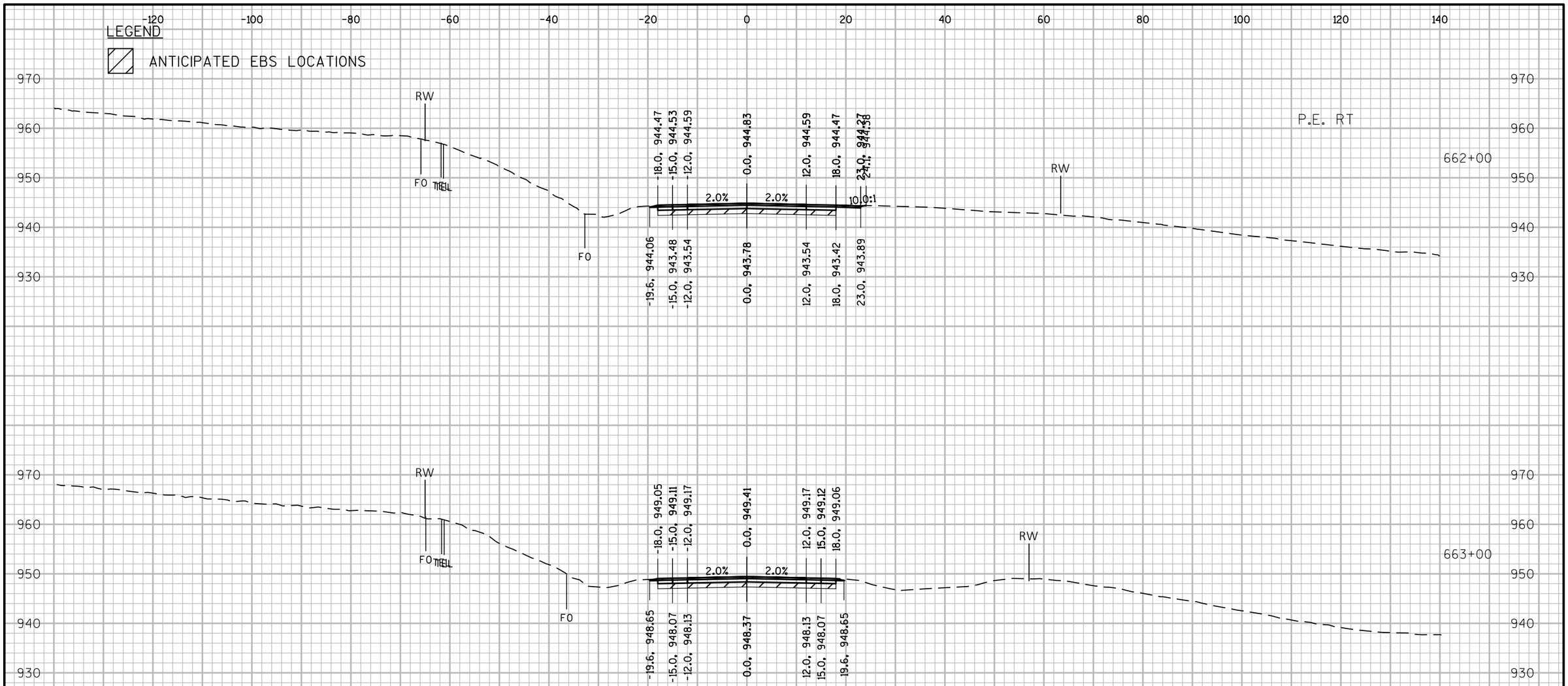
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 37

PLOT DATE : 10/30/2019 3:29 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



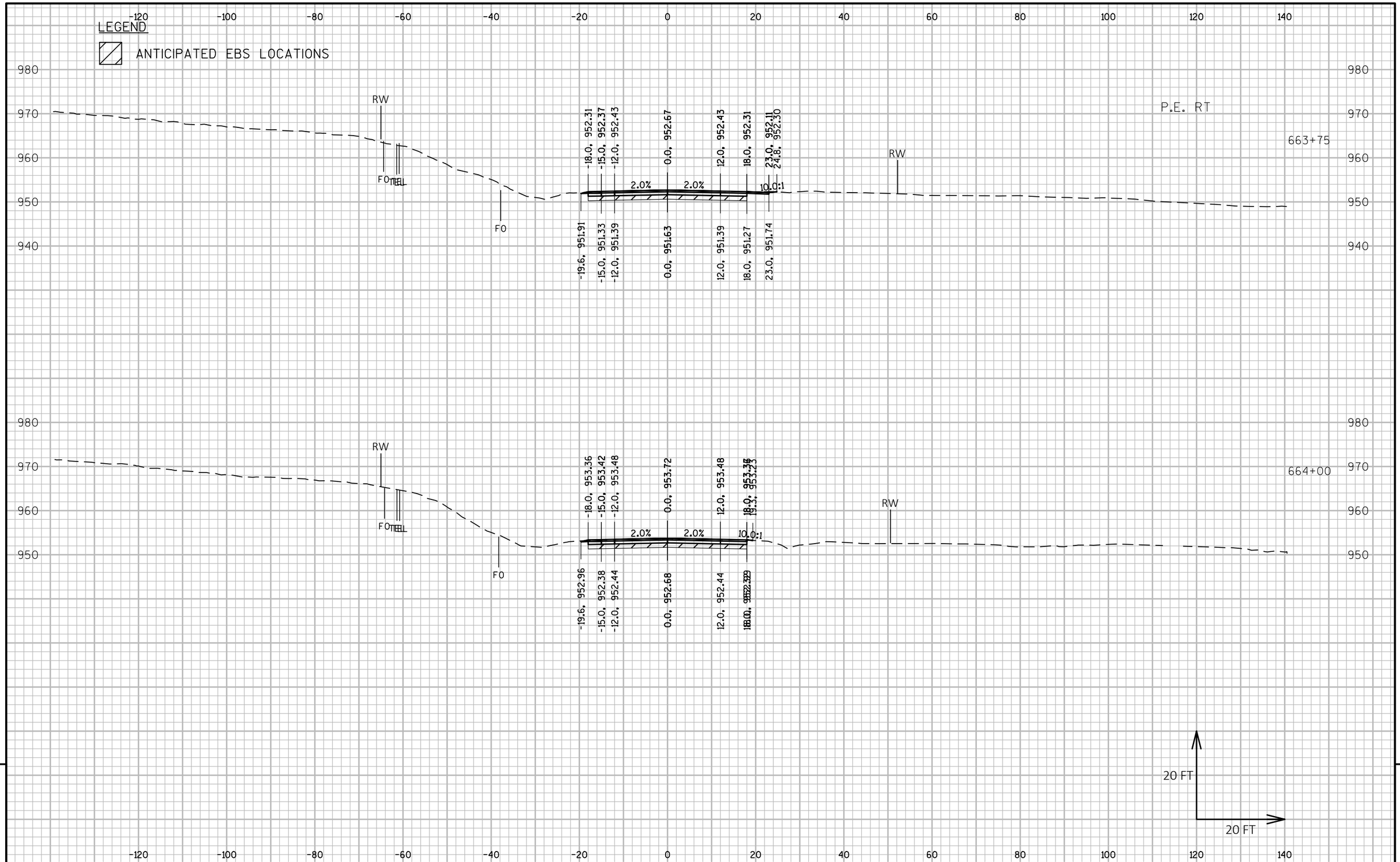
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 38

PLOT DATE : 10/30/2019 3:30 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

LEGEND

ANTICIPATED EBS LOCATIONS



9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

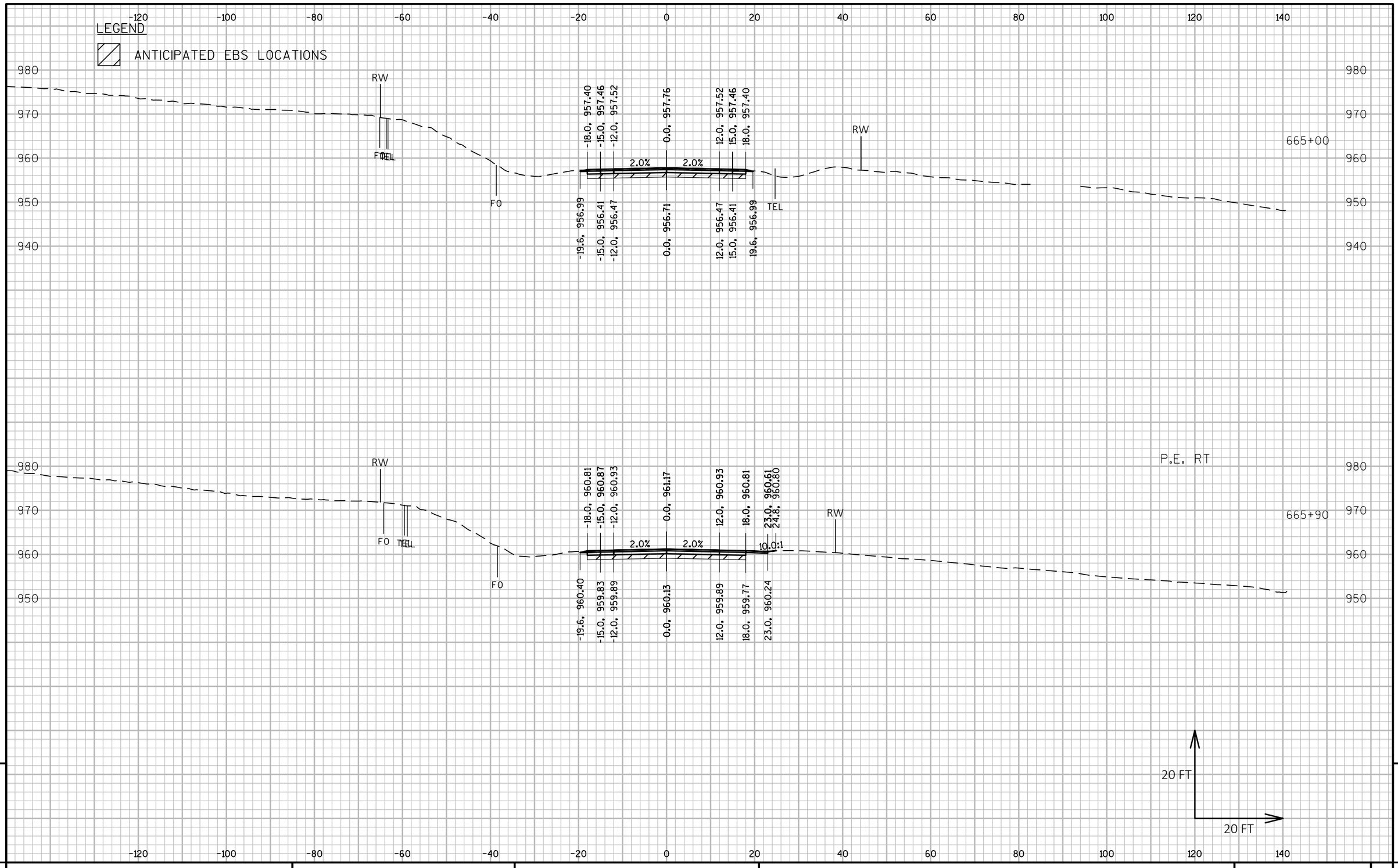
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 39

PLOT DATE : 10/30/2019 3:32 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 40

PLOT DATE : 10/30/2019 3:33 PM

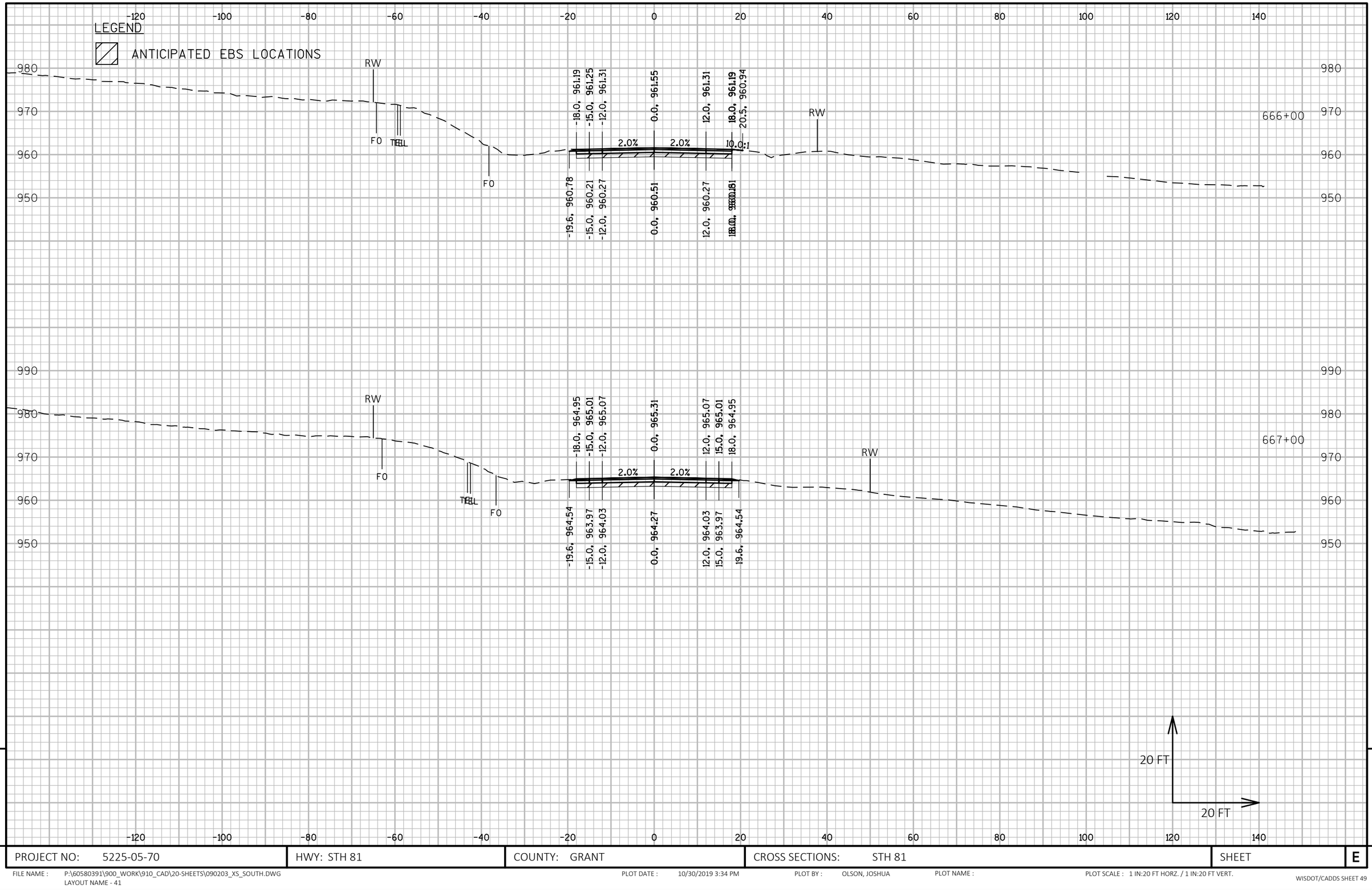
PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

LEGEND

ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 41

PLOT DATE : 10/30/2019 3:34 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

ANTICIPATED EBS LOCATIONS

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

990 980 970 960 950

F0 F0 RW TEL

-18.0, 968.72 -15.0, 968.78 -12.0, 968.84 0.0, 969.08 12.0, 968.84 15.0, 968.78 18.0, 968.72

2.0% 2.0%

-19.6, 968.31 -15.0, 967.73 -12.0, 967.79 0.0, 968.03 12.0, 967.79 15.0, 967.73 19.6, 968.31

RW

668+00

-18.0, 972.48 -15.0, 972.54 -12.0, 972.60 0.0, 972.84 12.0, 972.60 15.0, 972.54 18.0, 972.48

F0 F0 RW TEL

2.0% 2.0%

-19.6, 972.07 -15.0, 971.50 -12.0, 971.56 0.0, 971.80 12.0, 971.56 15.0, 971.50 19.6, 972.07

RW

669+00

20 FT

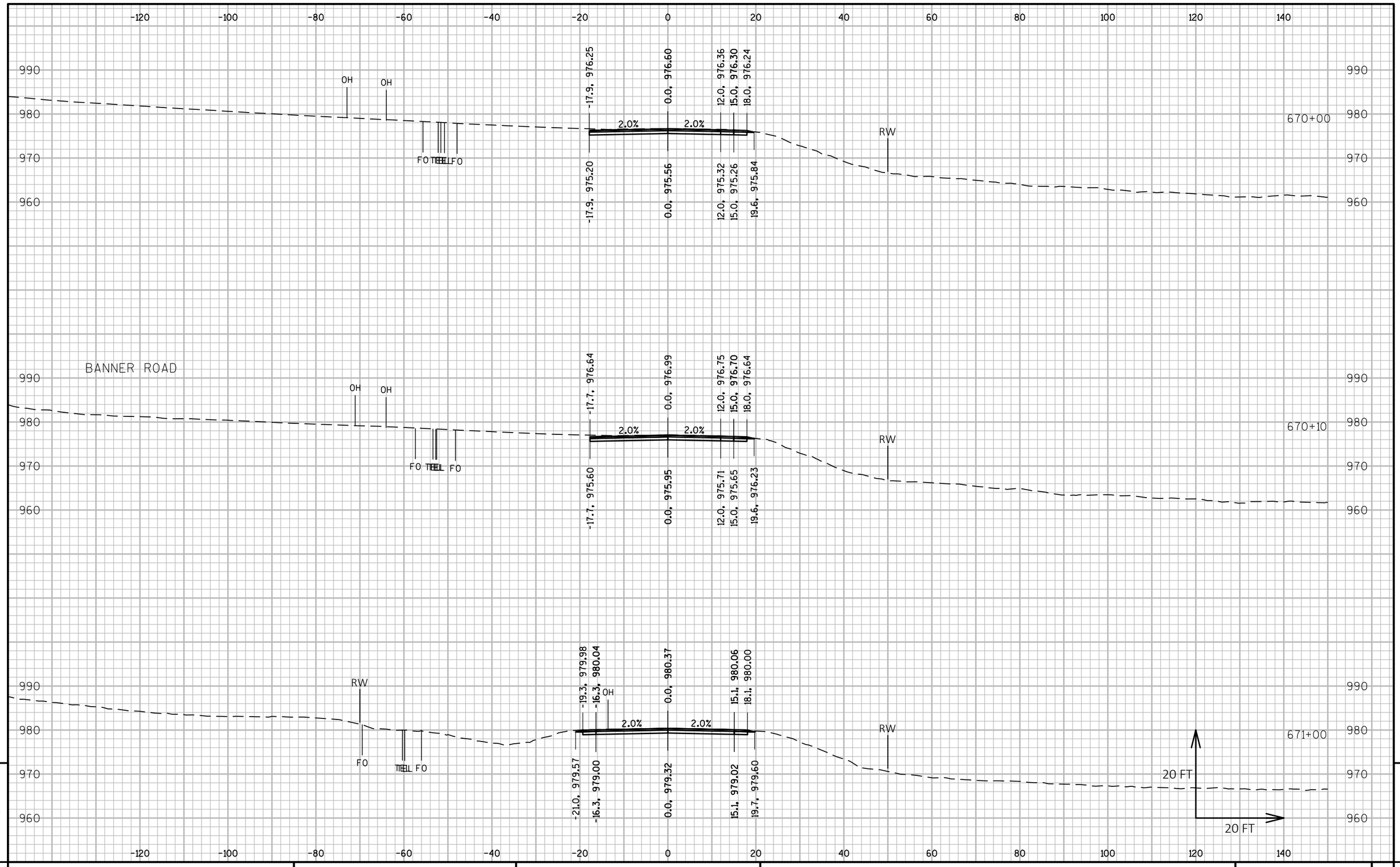
20 FT

9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 42

PLOT DATE : 10/30/2019 3:35 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

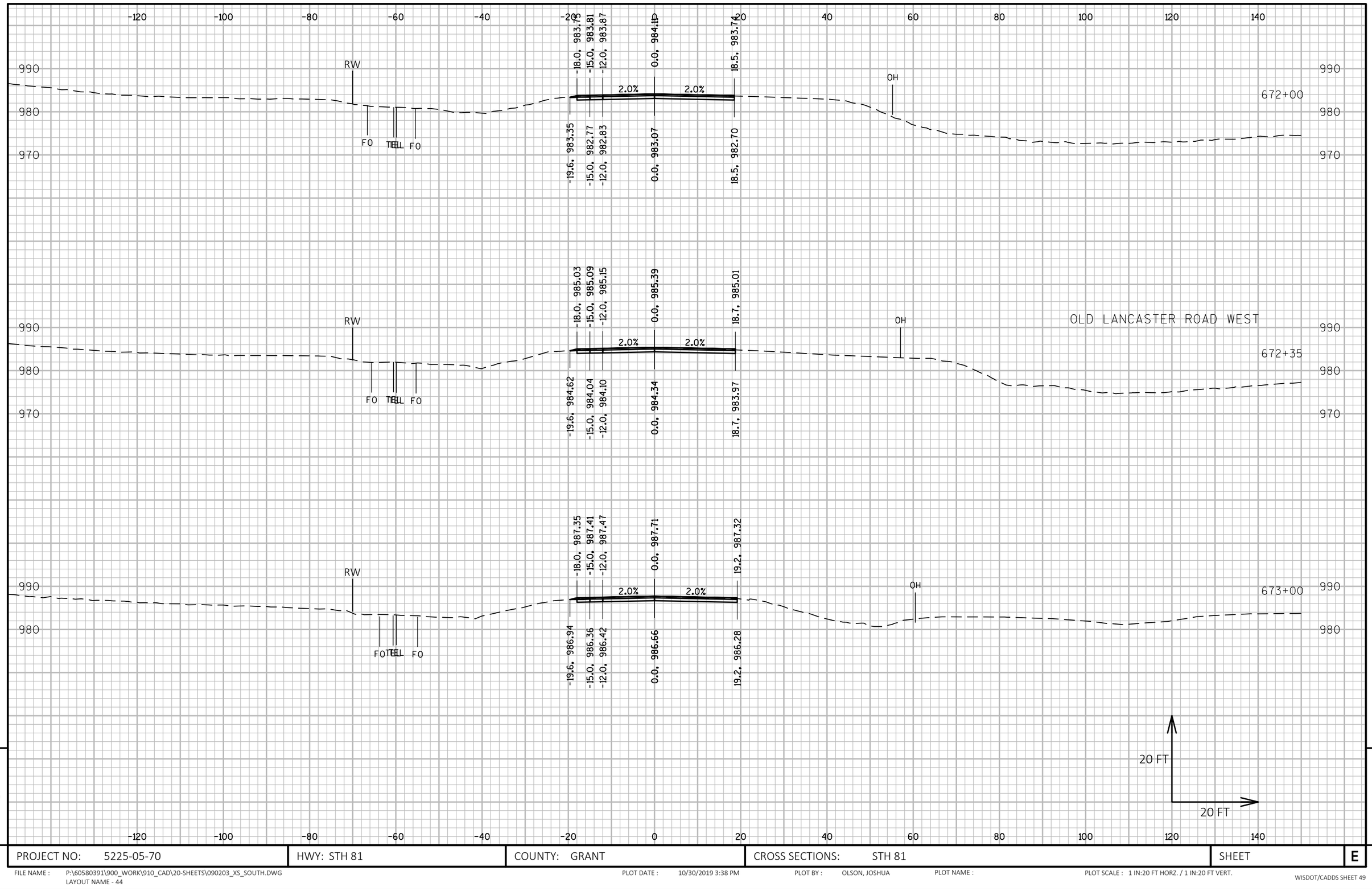


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 43

PLOT DATE : 10/30/2019 3:36 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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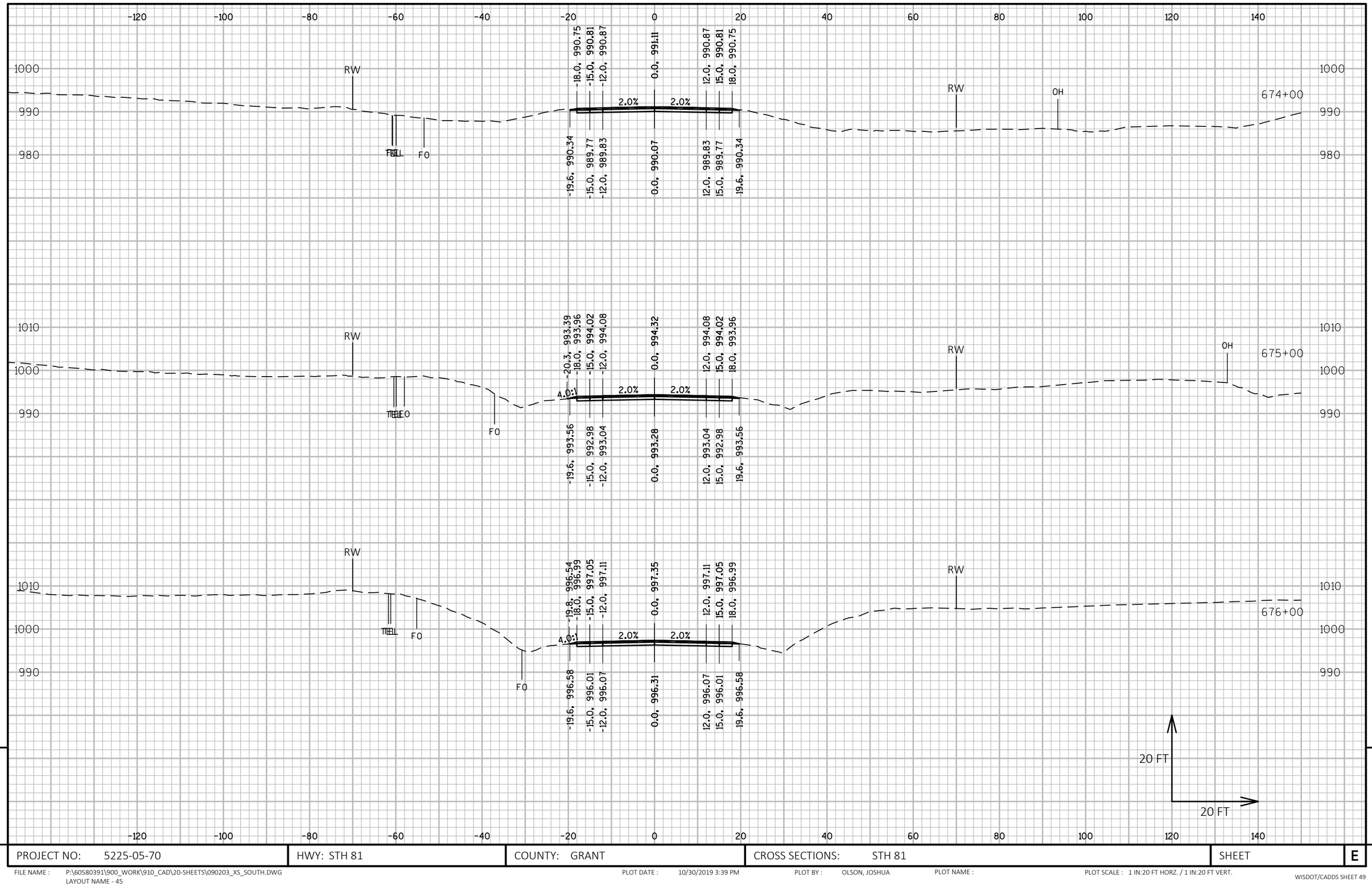
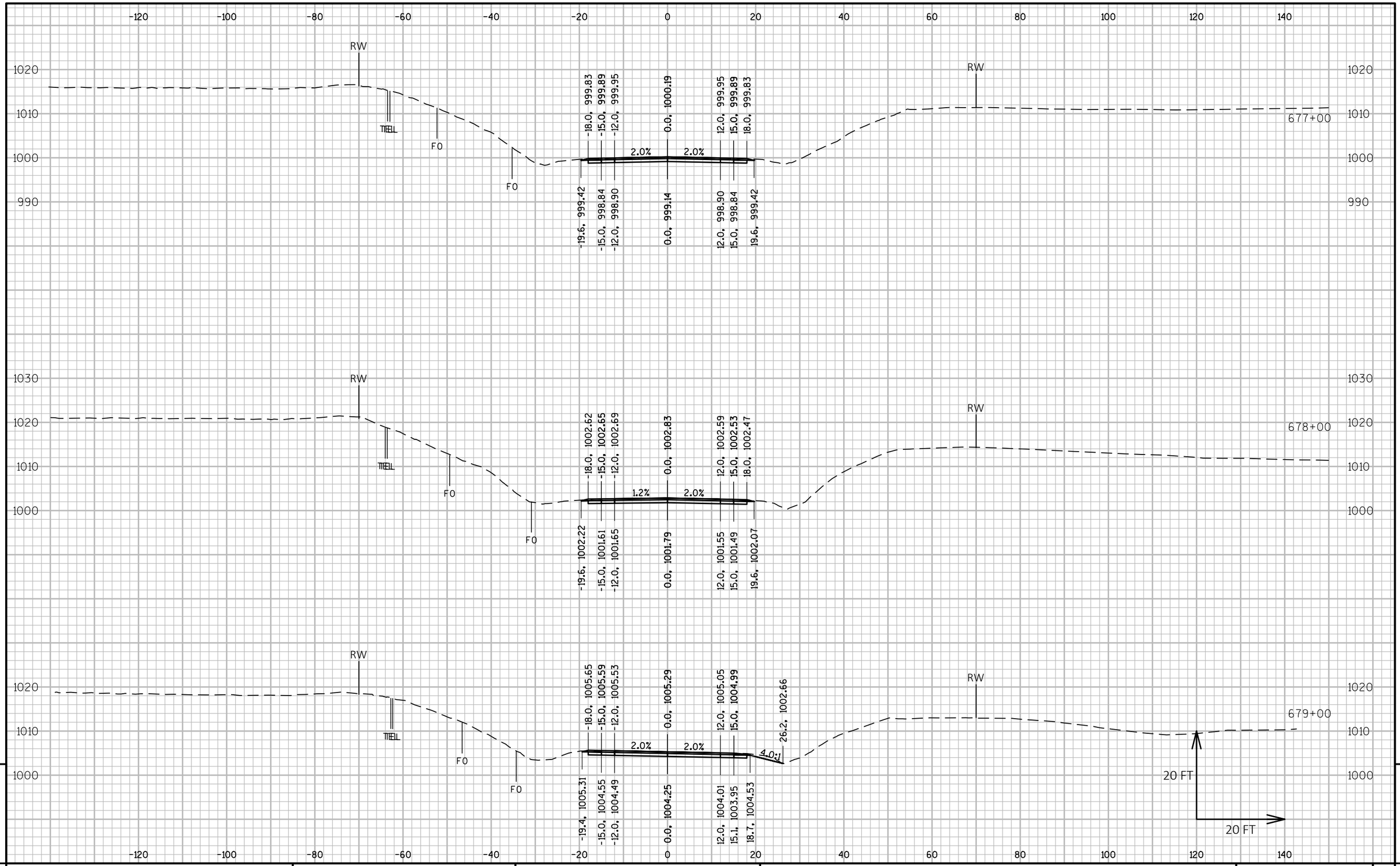
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 44

PLOT DATE : 10/30/2019 3:38 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E



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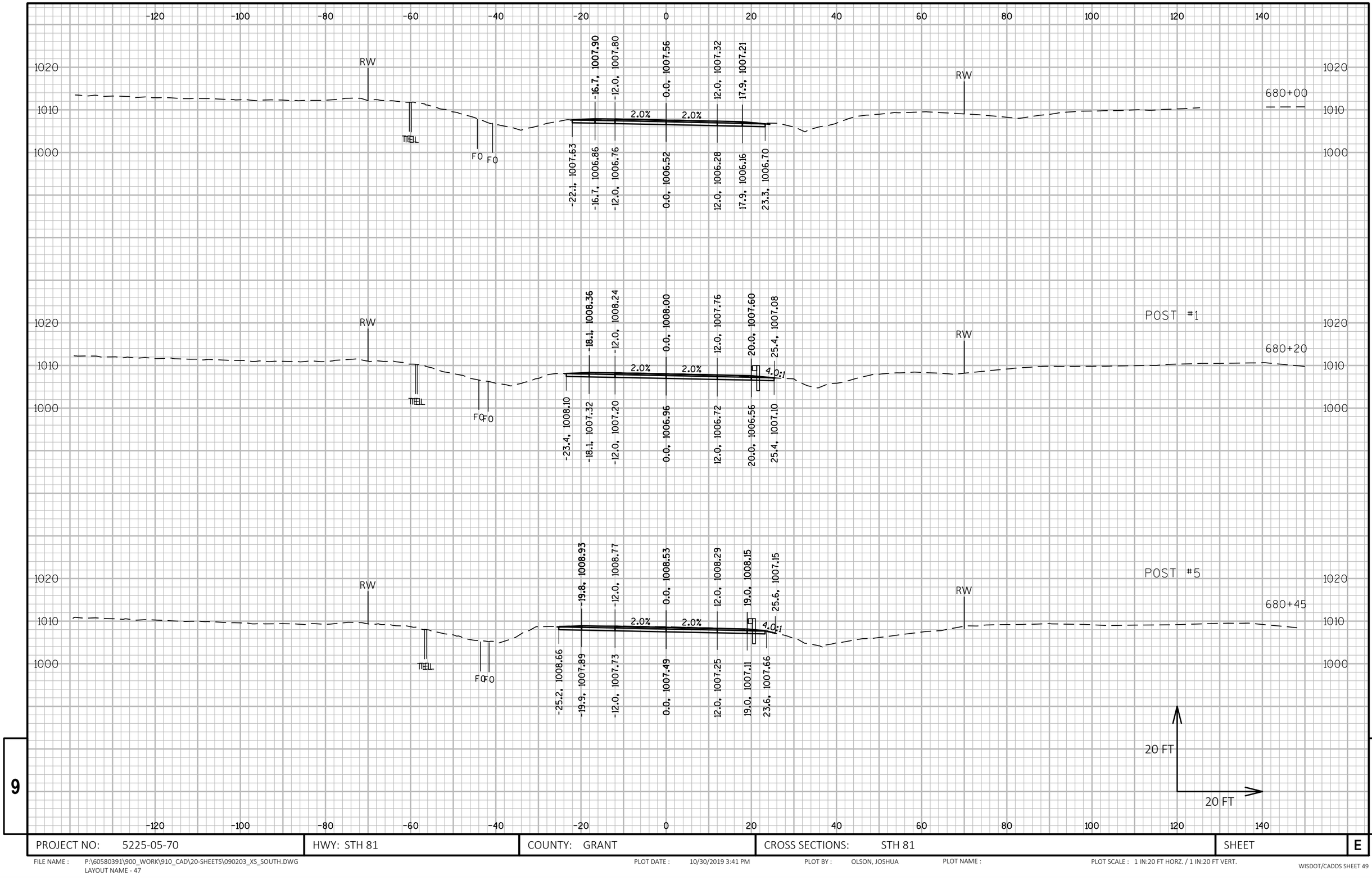
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 46

PLOT DATE : 10/30/2019 3:40 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



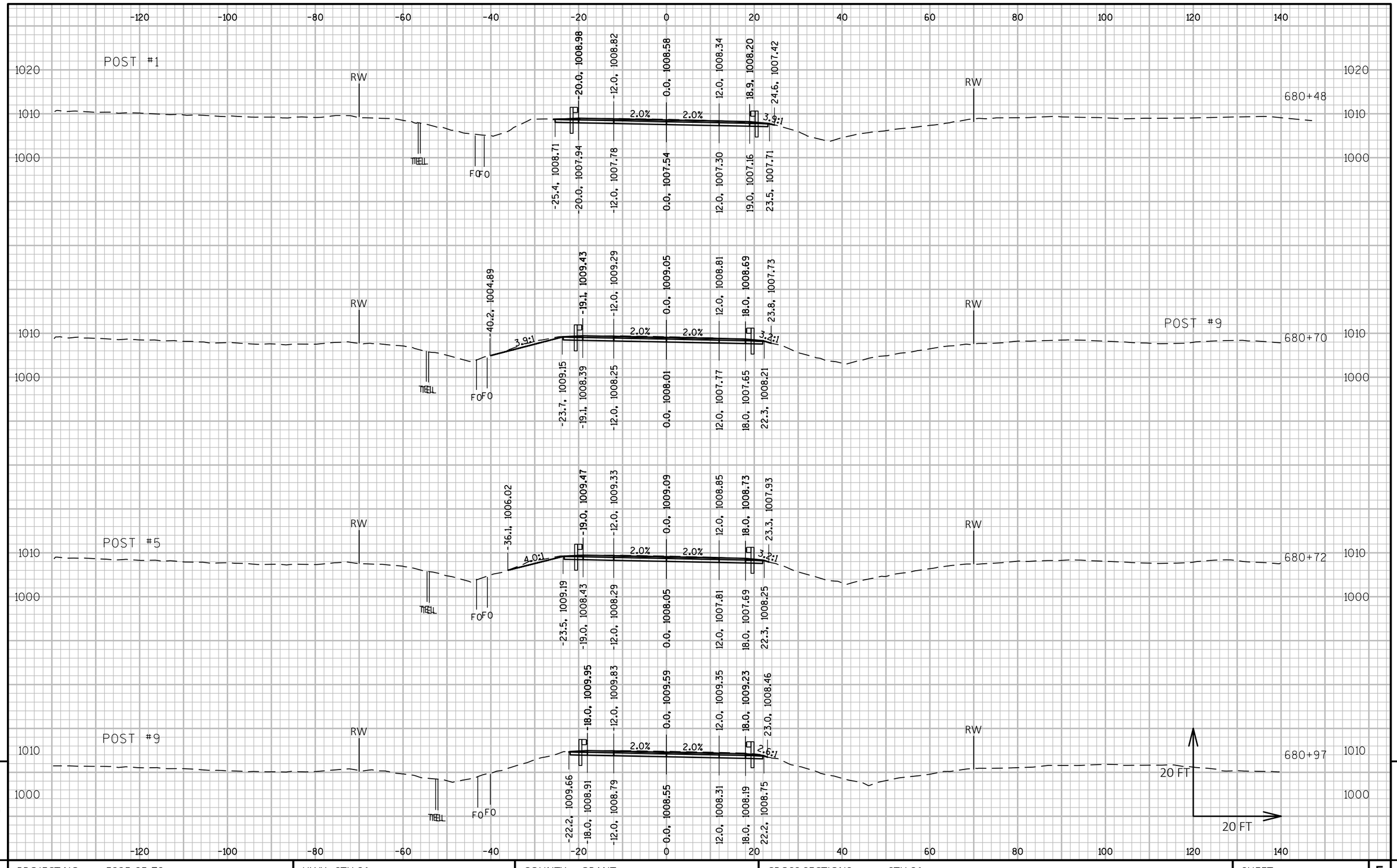
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 47

PLOT DATE : 10/30/2019 3:41 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 48

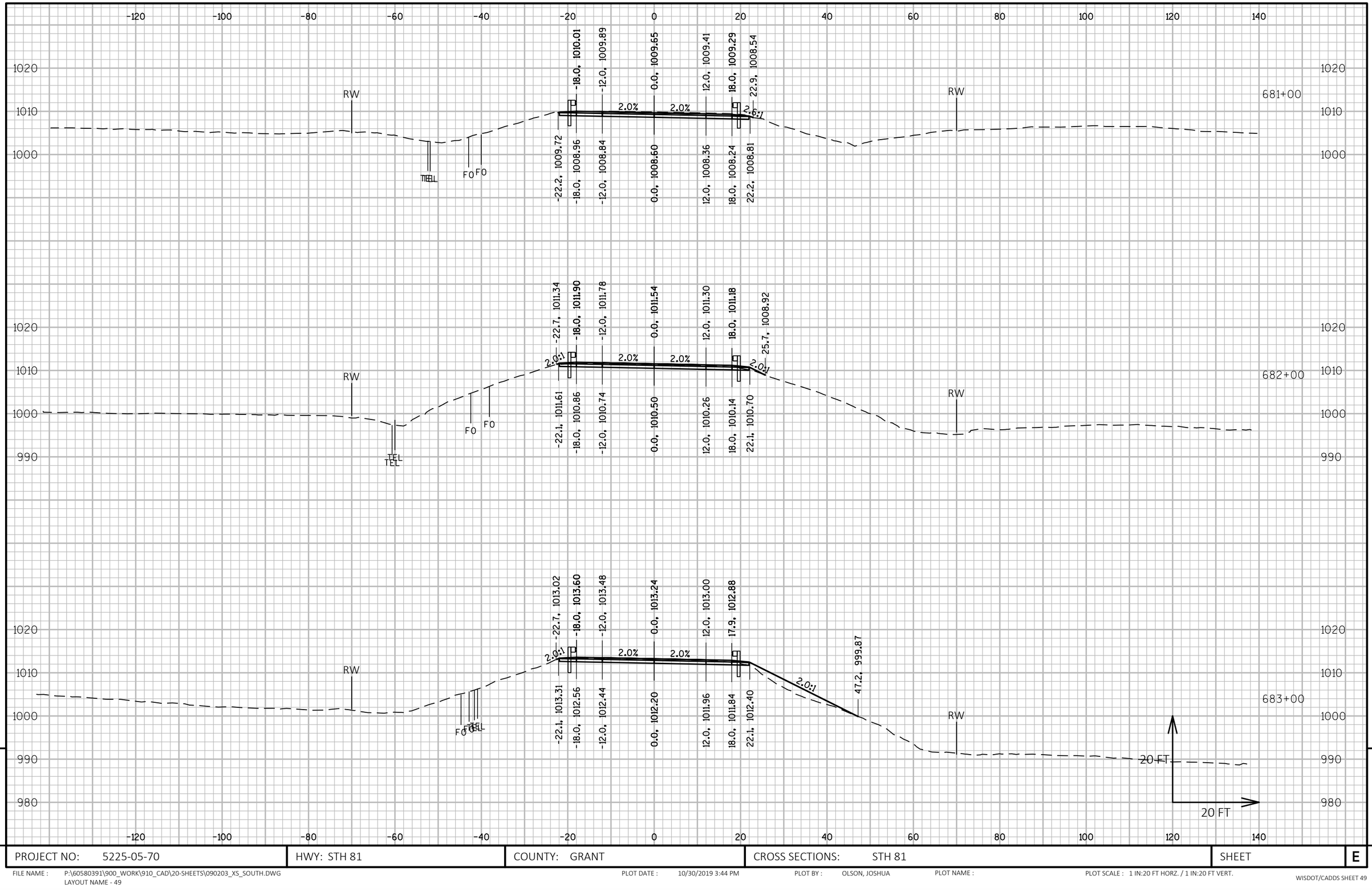
PLOT DATE : 10/30/2019 3:43 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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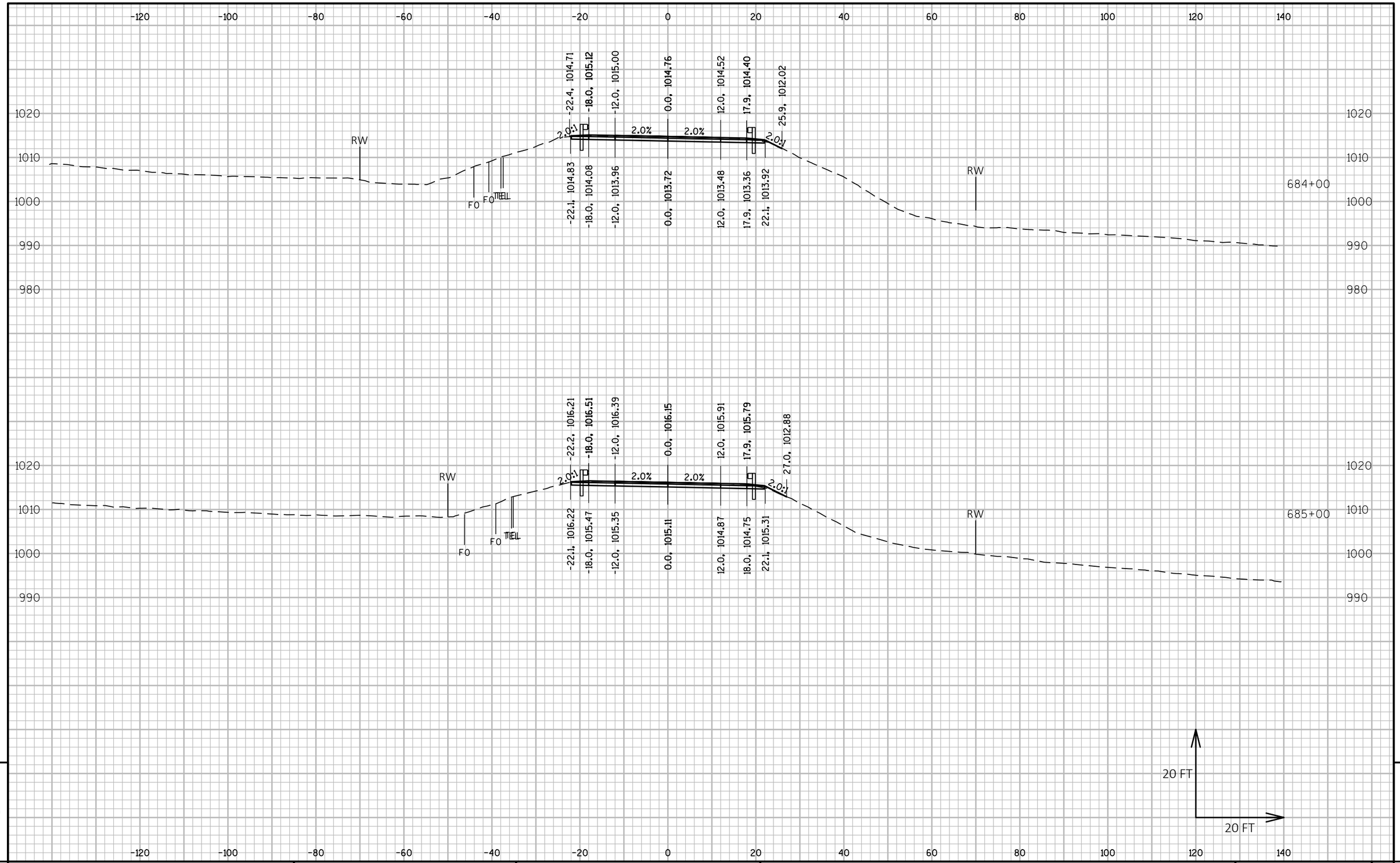
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

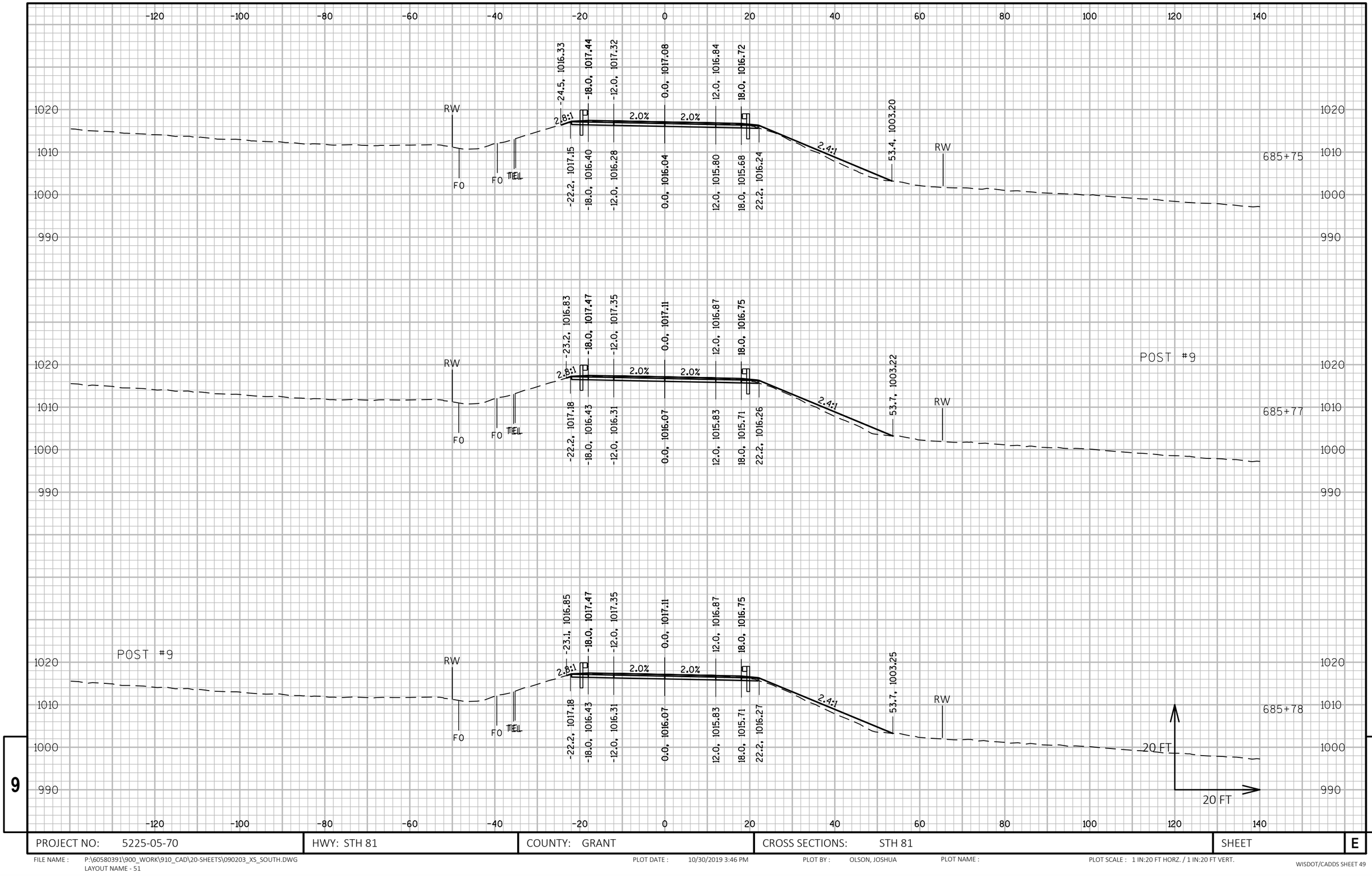
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 49

PLOT DATE : 10/30/2019 3:44 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E



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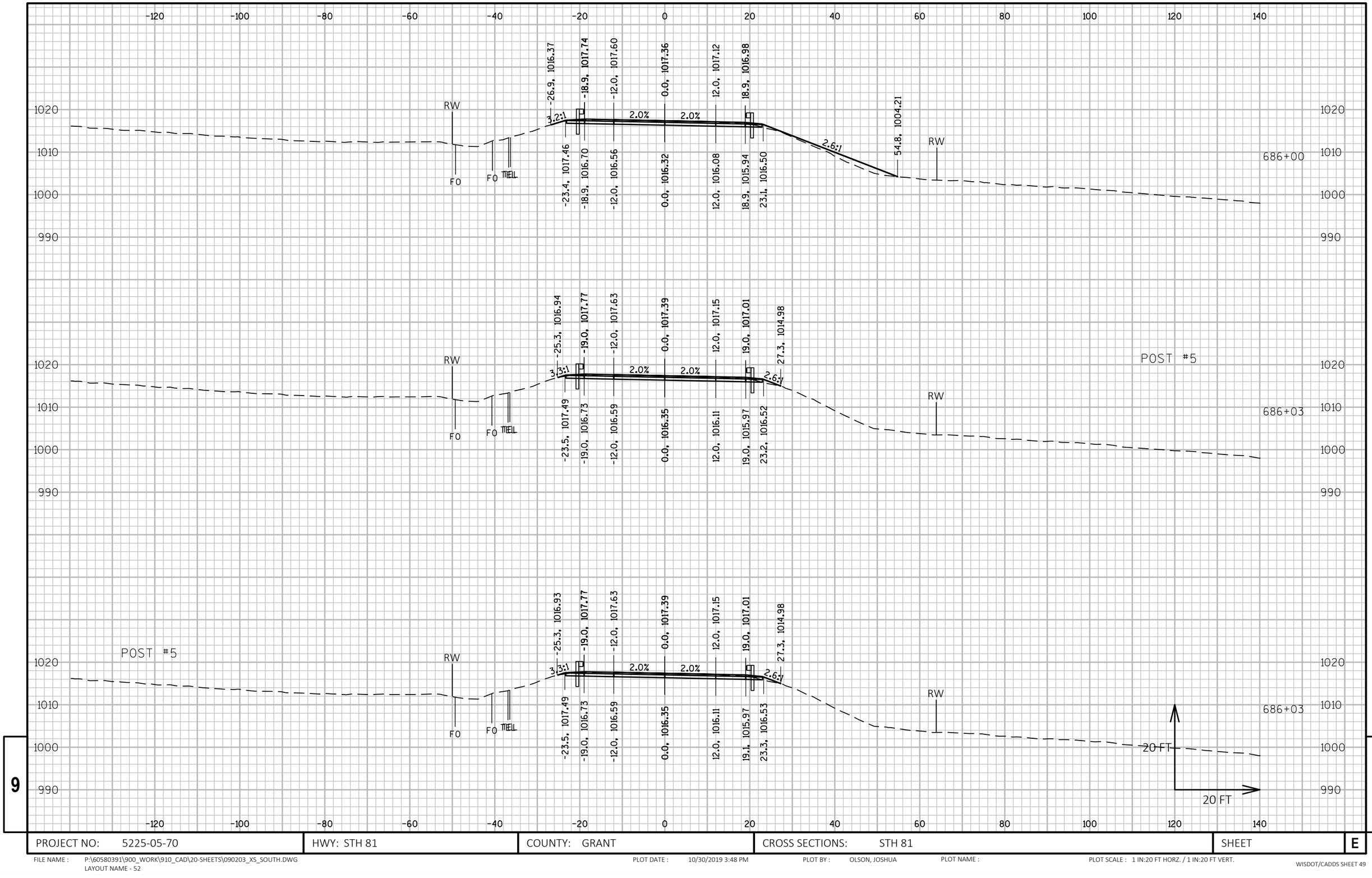
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 51

PLOT DATE : 10/30/2019 3:46 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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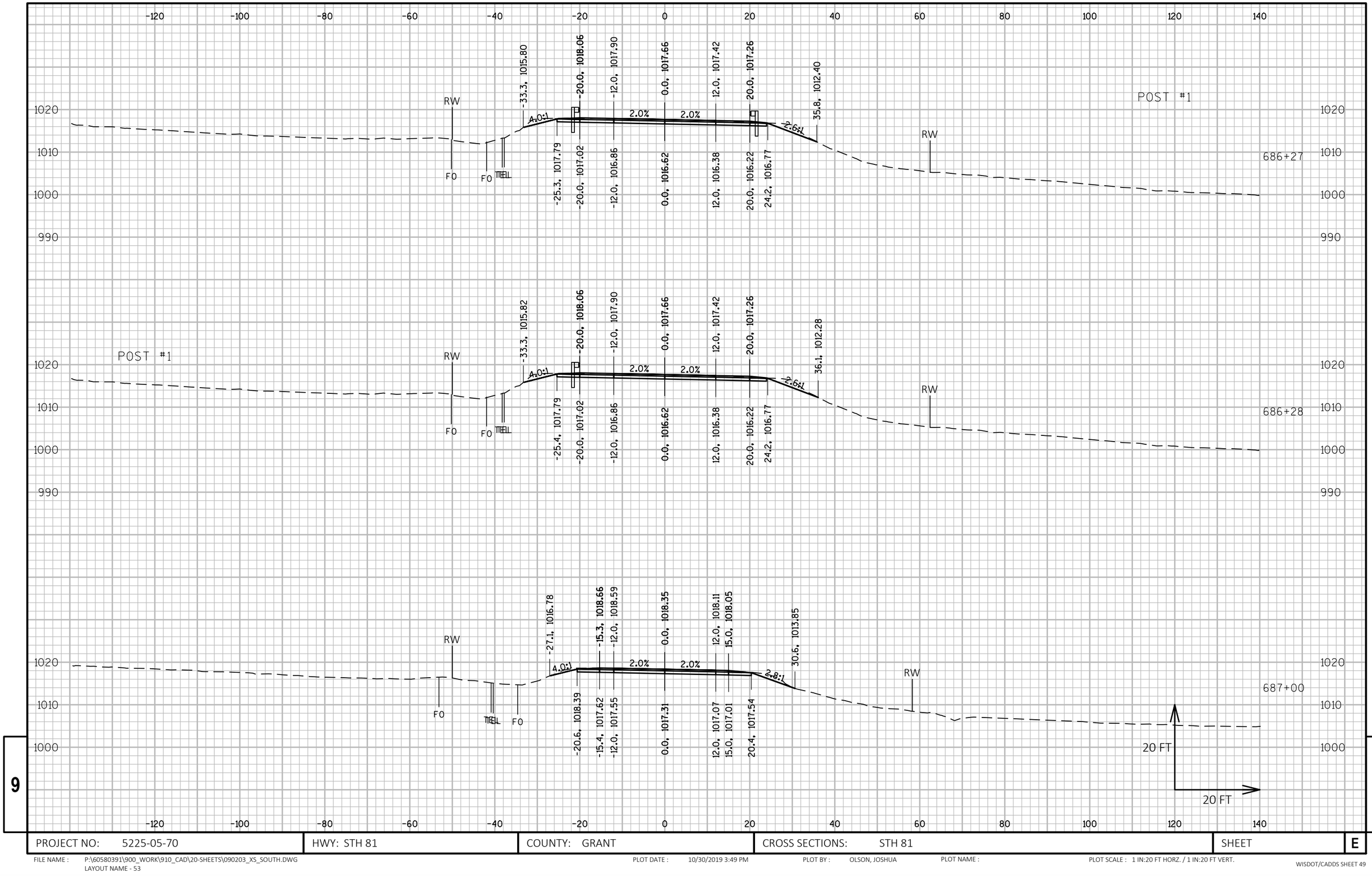
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 52

PLOT DATE : 10/30/2019 3:48 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

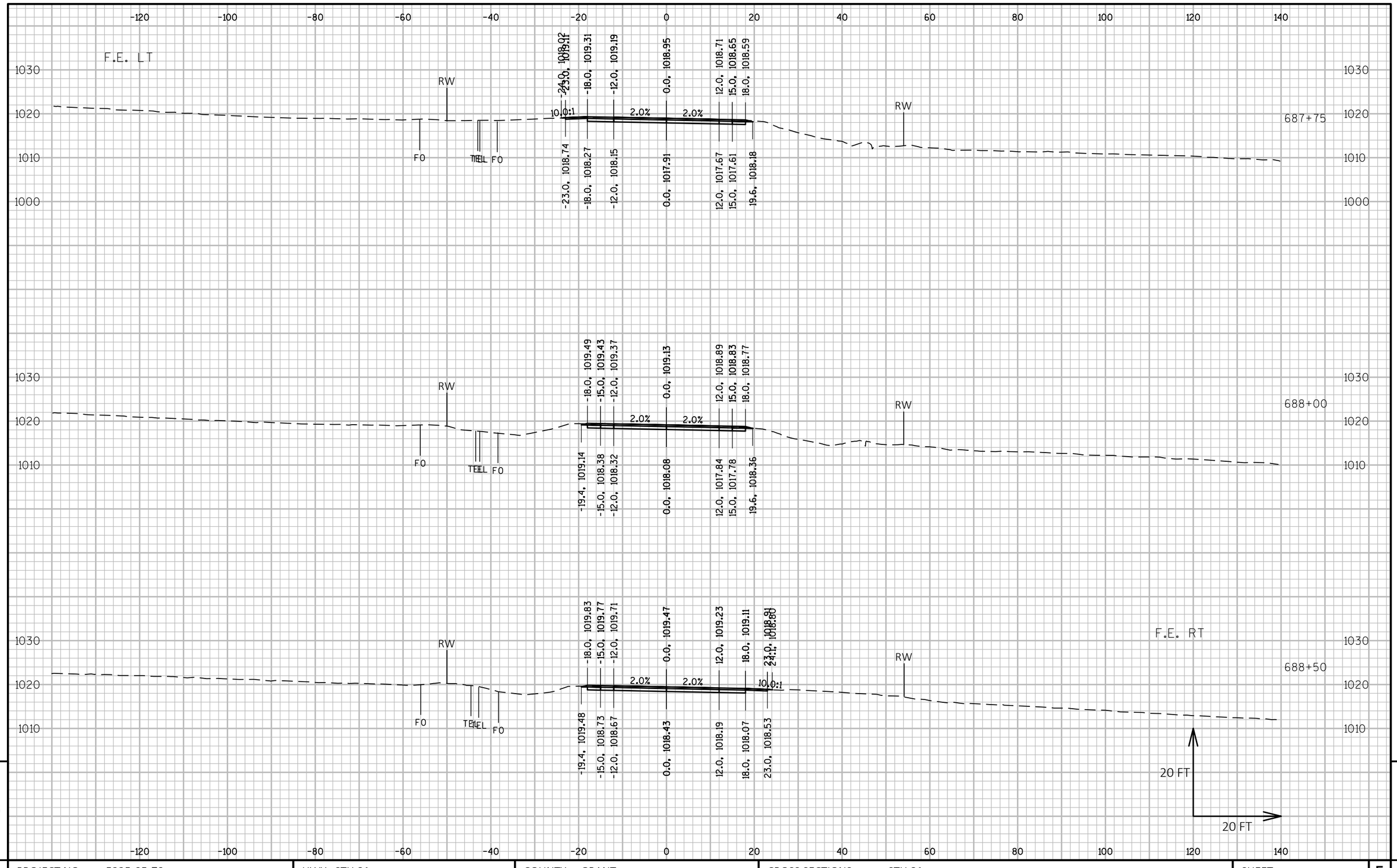


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 53

PLOT DATE : 10/30/2019 3:49 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

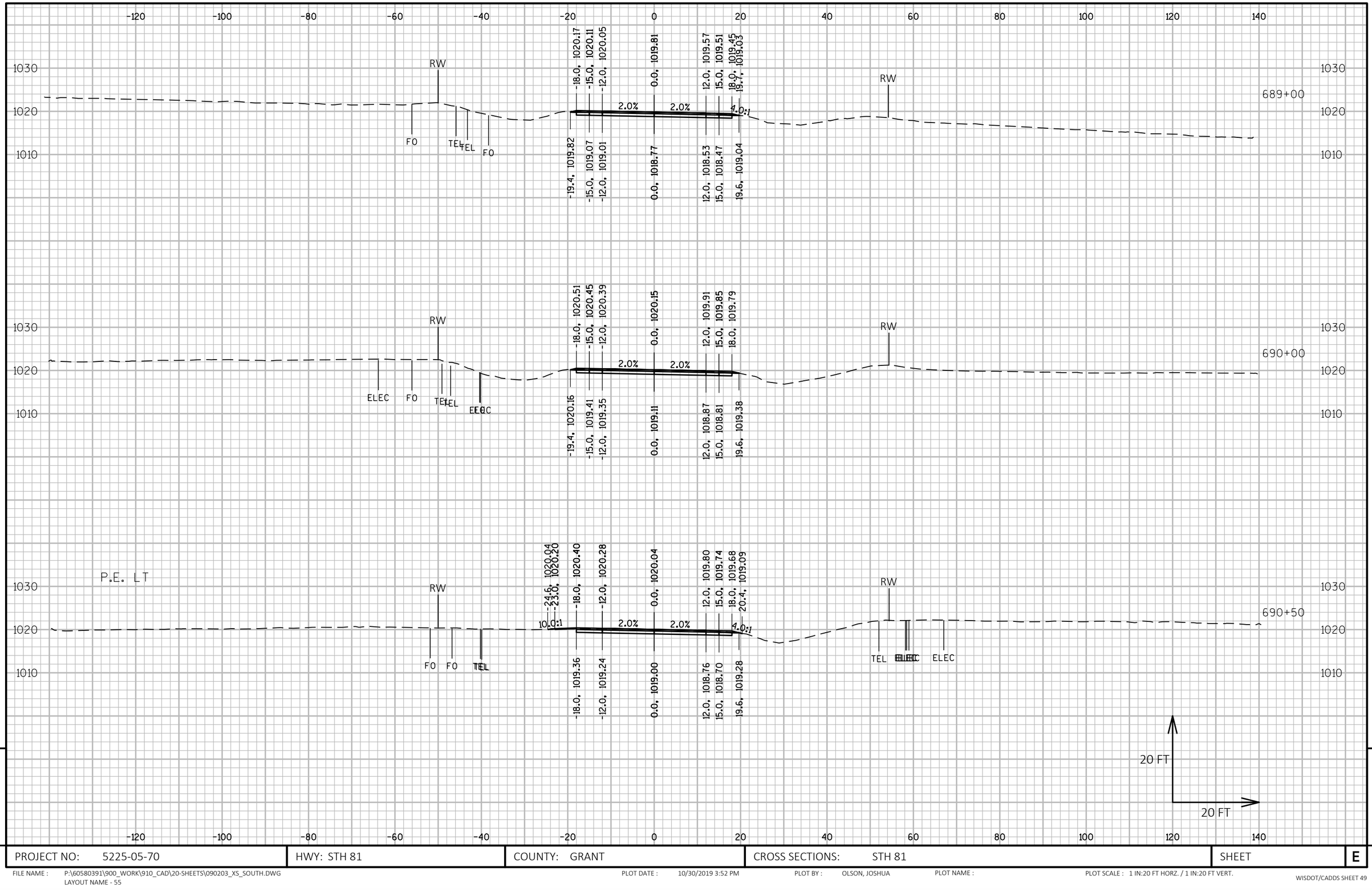
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 54

PLOT DATE : 10/30/2019 3:50 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

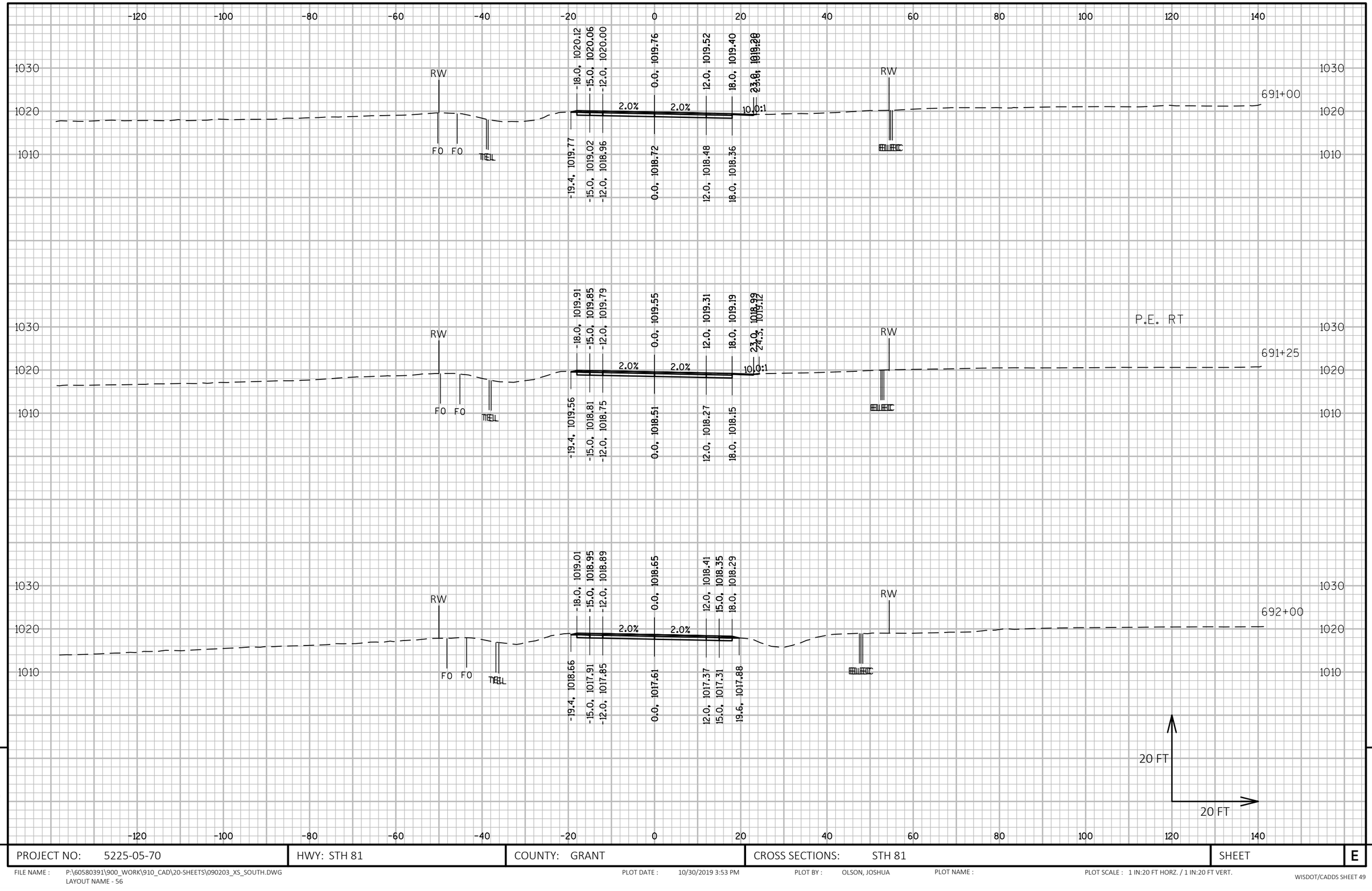


9 9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 55

PLOT DATE : 10/30/2019 3:52 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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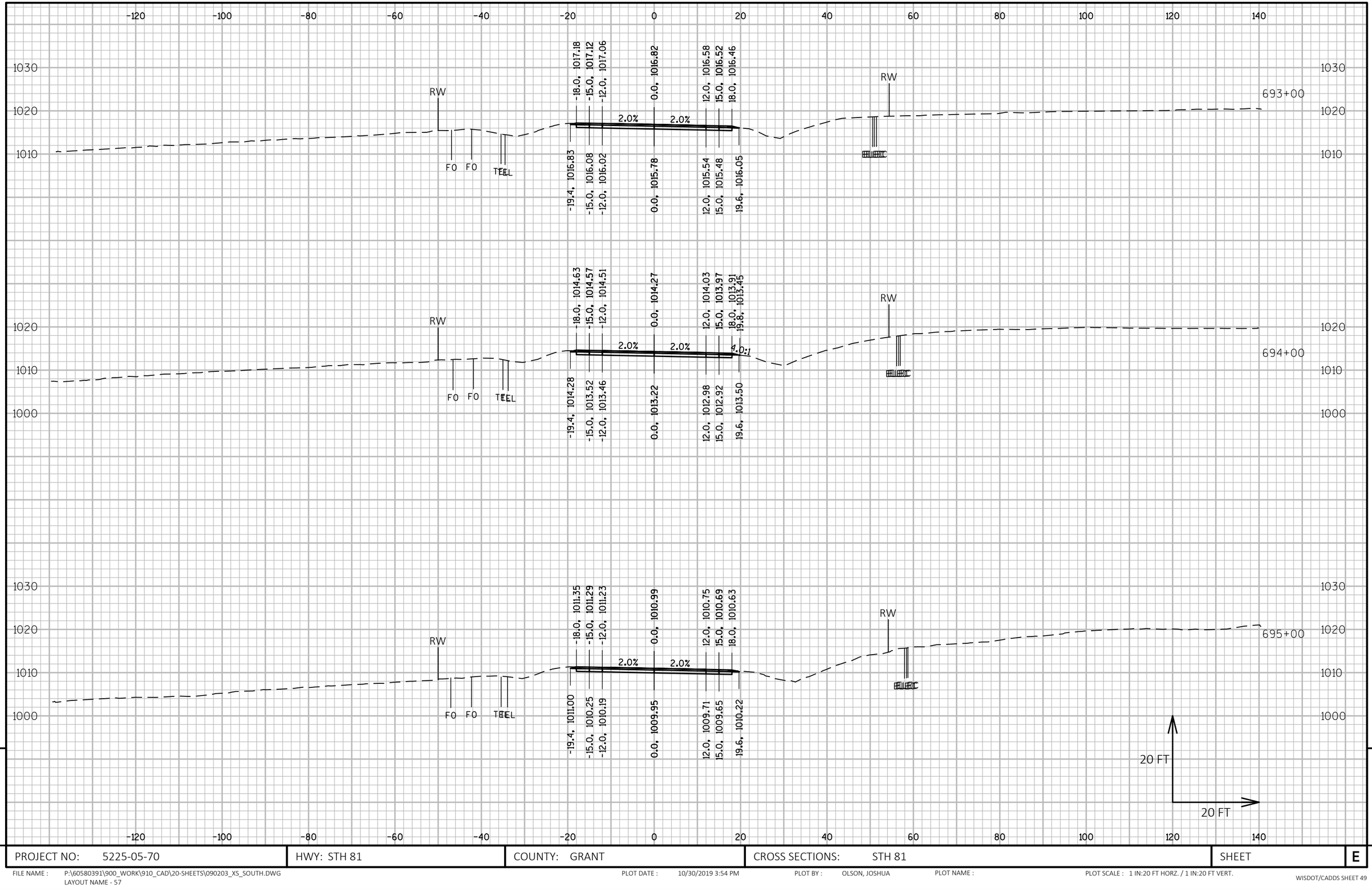
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 56
PLOT DATE : 10/30/2019 3:53 PM
PLOT BY : OLSON, JOSHUA
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: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 57

PLOT DATE : 10/30/2019 3:54 PM

PLOT BY : OLSON, JOSHUA

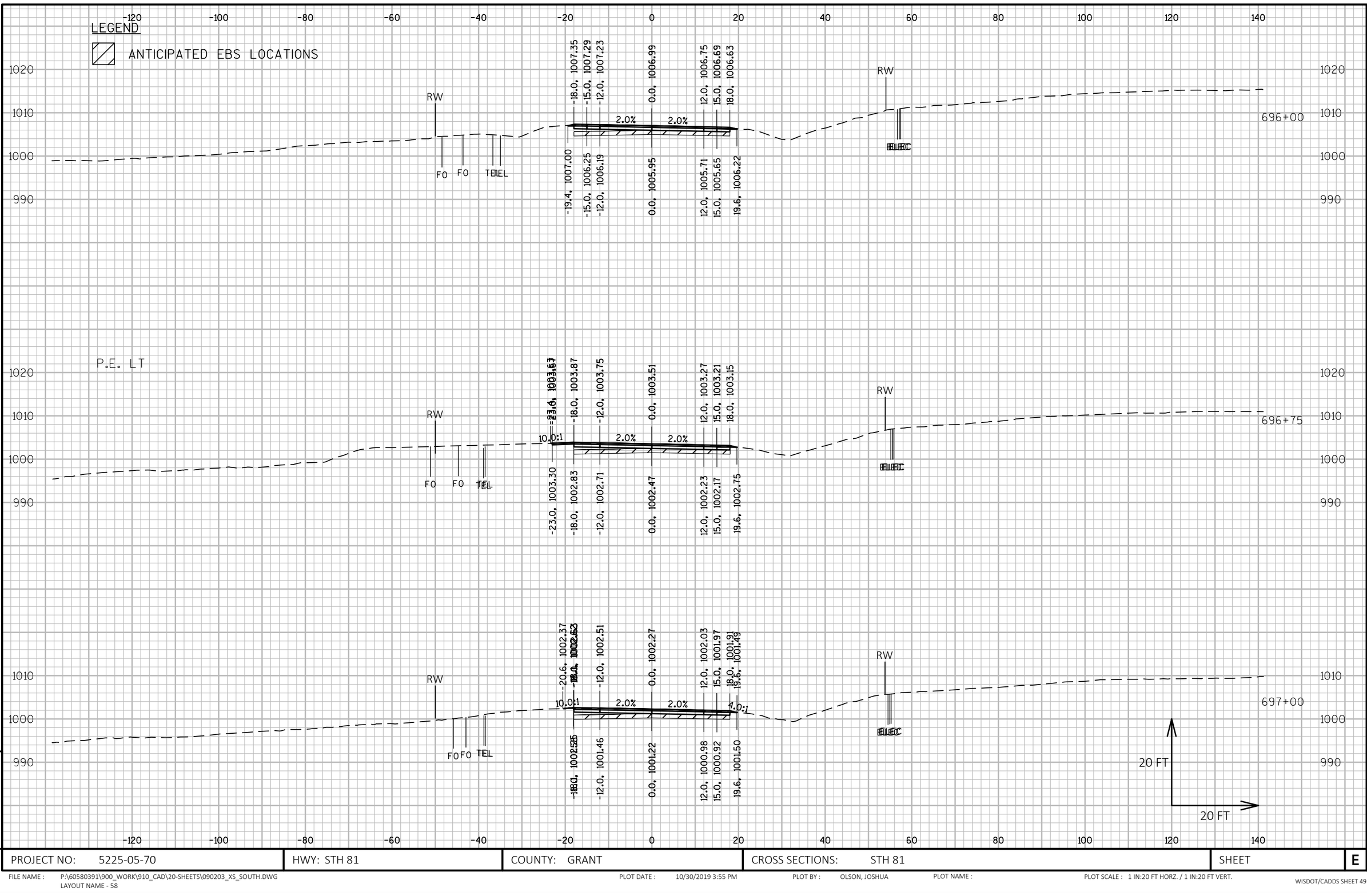
PLOT NAME :

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

LEGEND

ANTICIPATED EBS LOCATIONS

P.E. LT



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 58

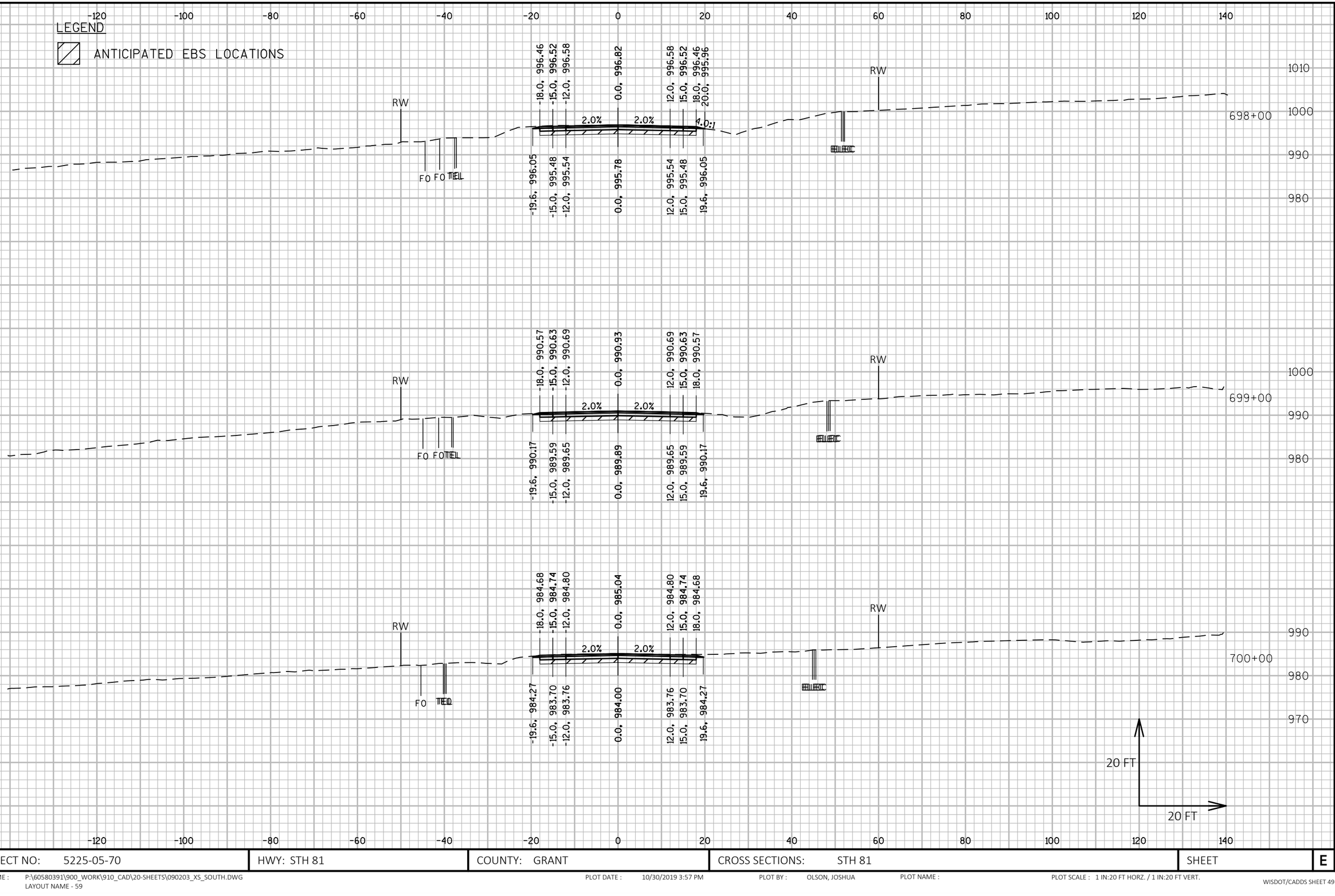
PLOT DATE : 10/30/2019 3:55 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

LEGEND

ANTICIPATED EBS LOCATIONS



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

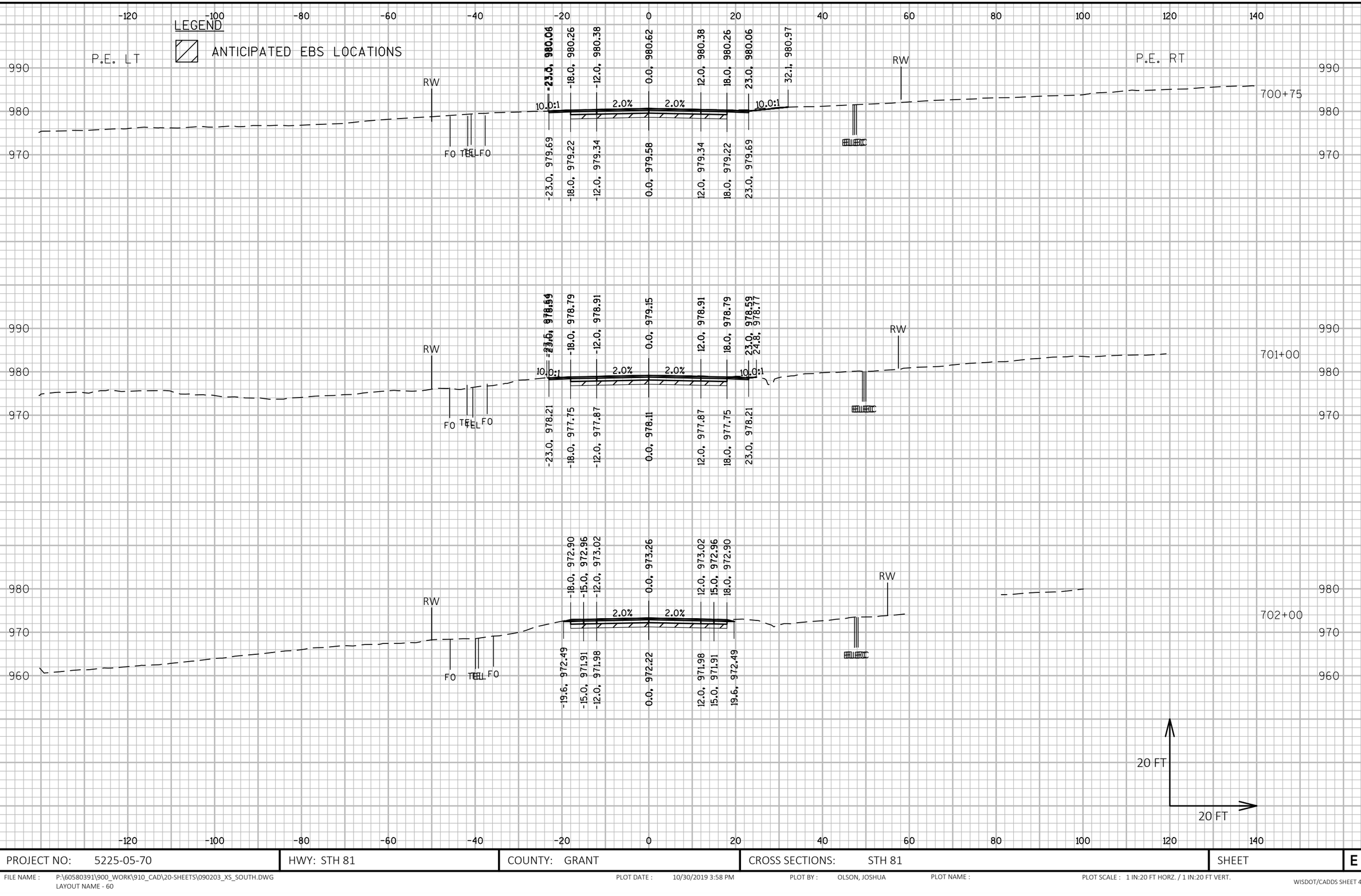
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 59

PLOT DATE : 10/30/2019 3:57 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

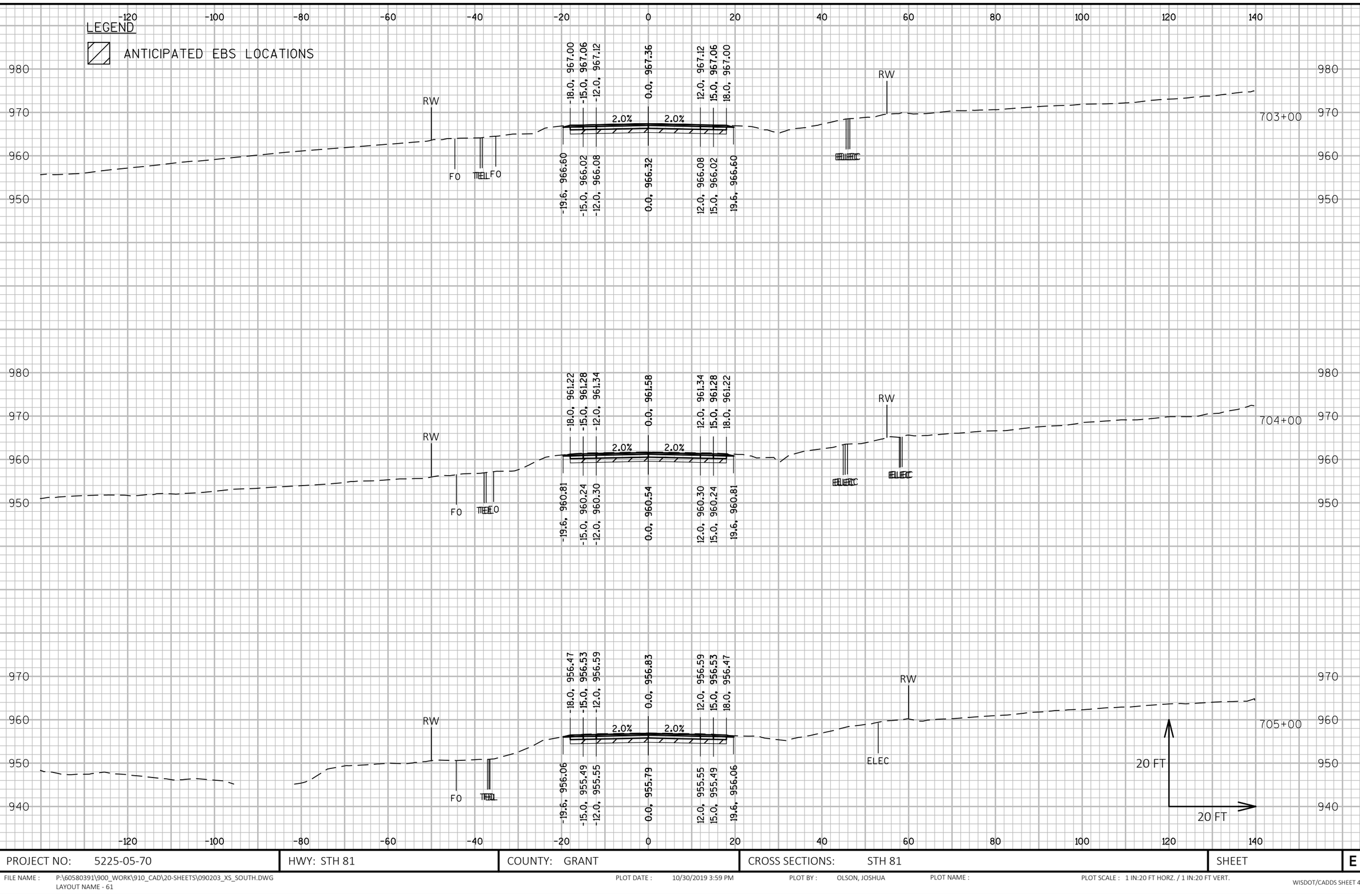
ANTICIPATED EBS LOCATIONS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

LEGEND

ANTICIPATED EBS LOCATIONS



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 61

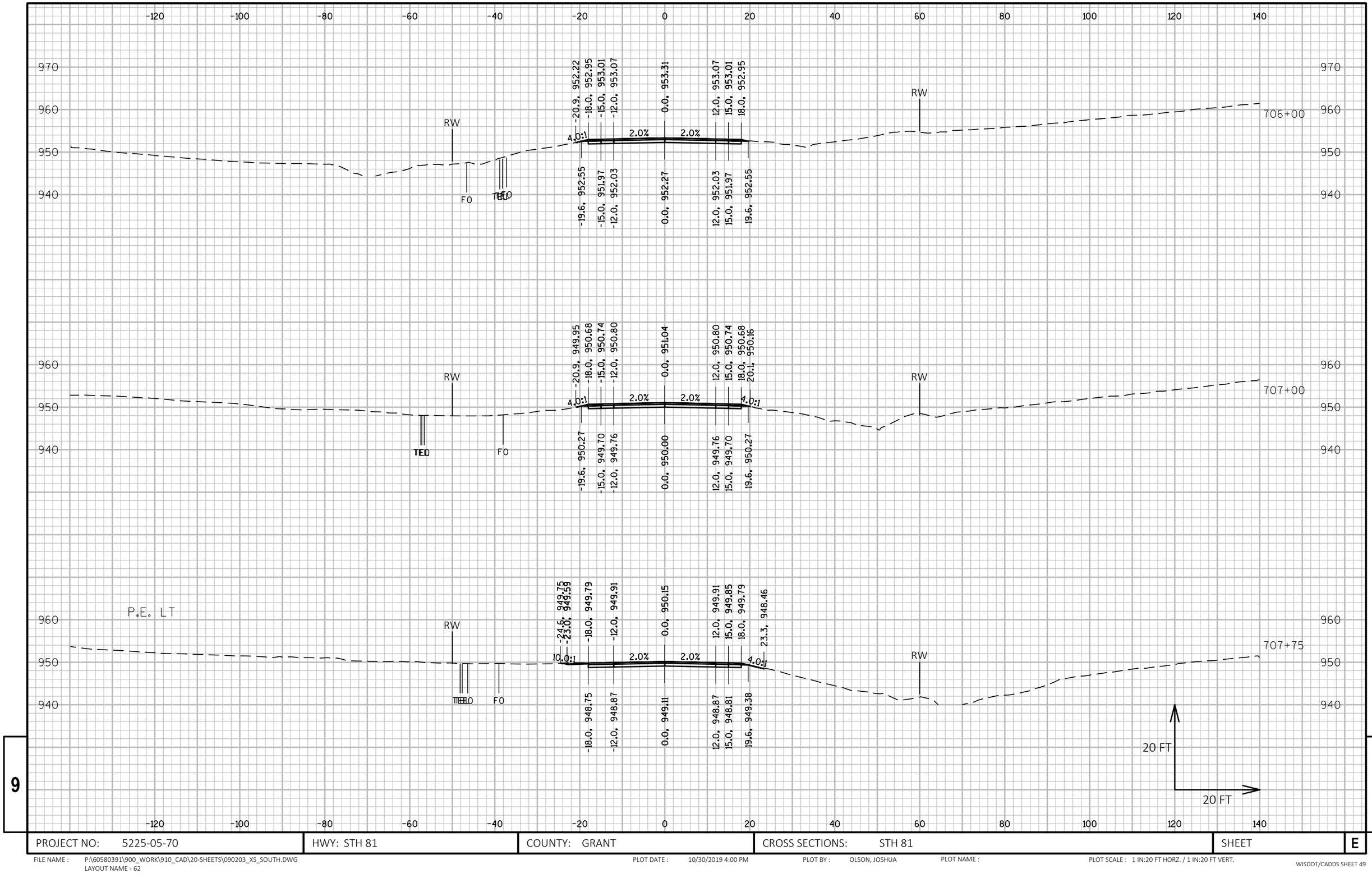
PLOT DATE : 10/30/2019 3:59 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

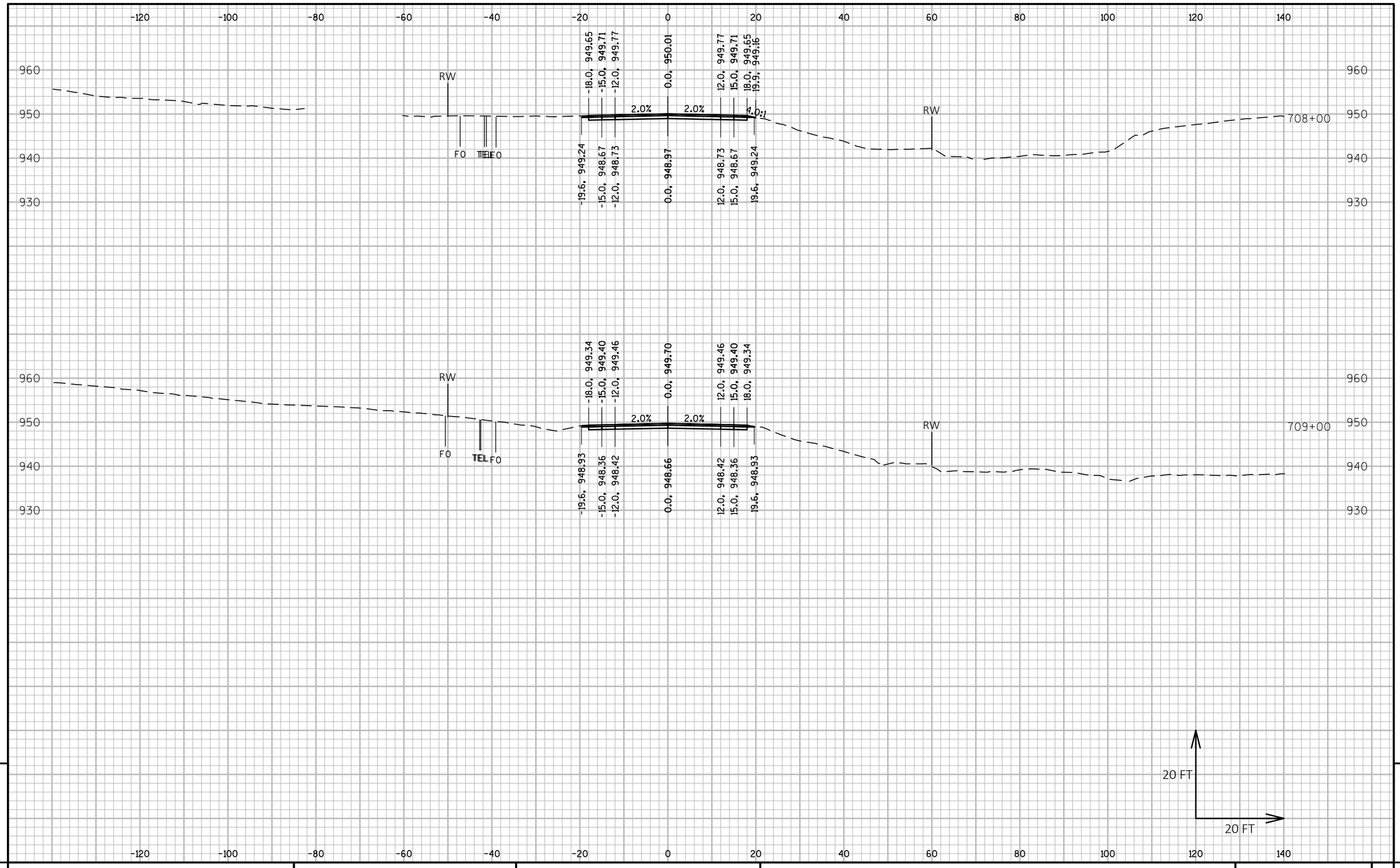
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 62

PLOT DATE : 10/30/2019 4:00 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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



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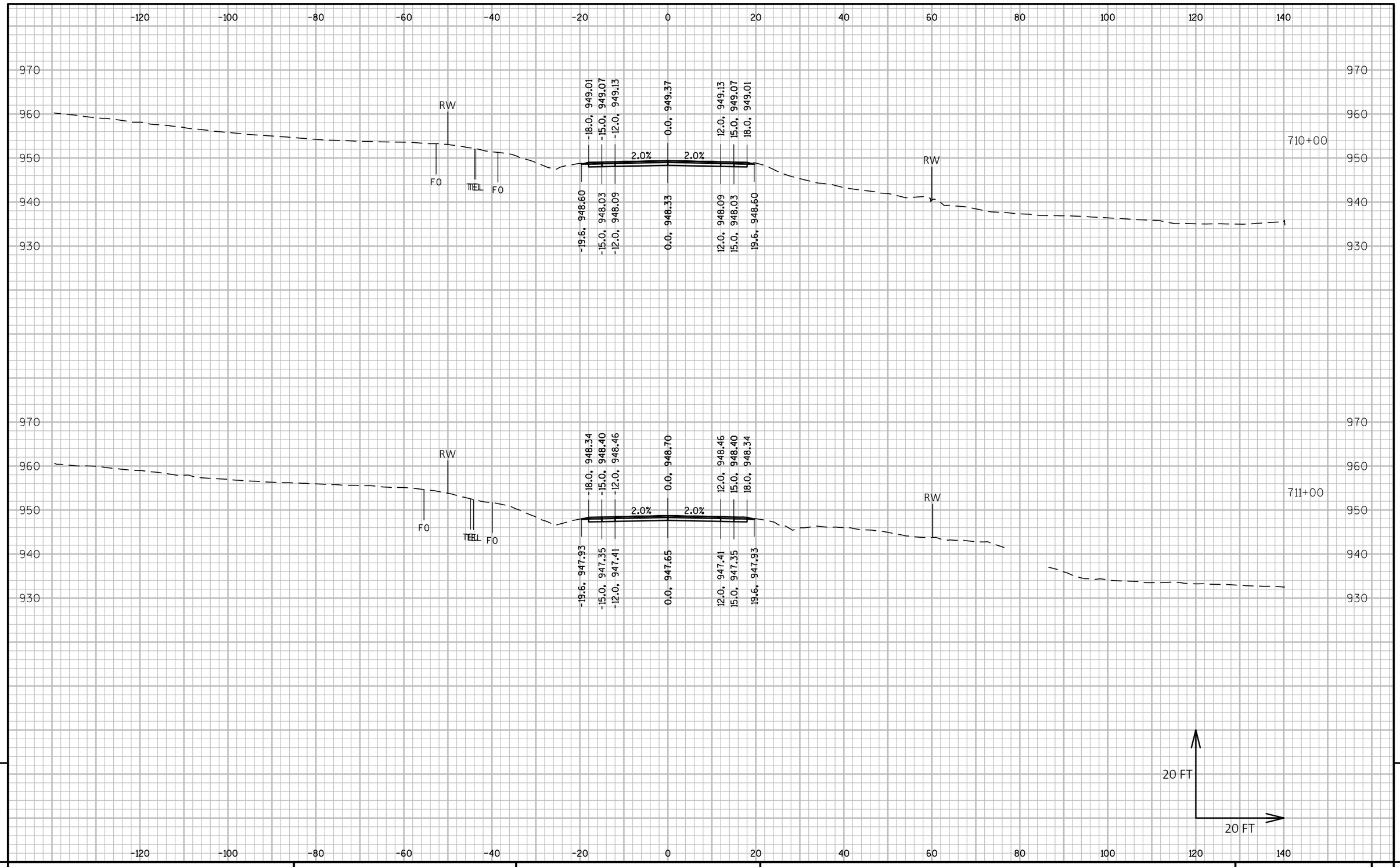
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 63

PLOT DATE : 10/30/2019 4:01 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

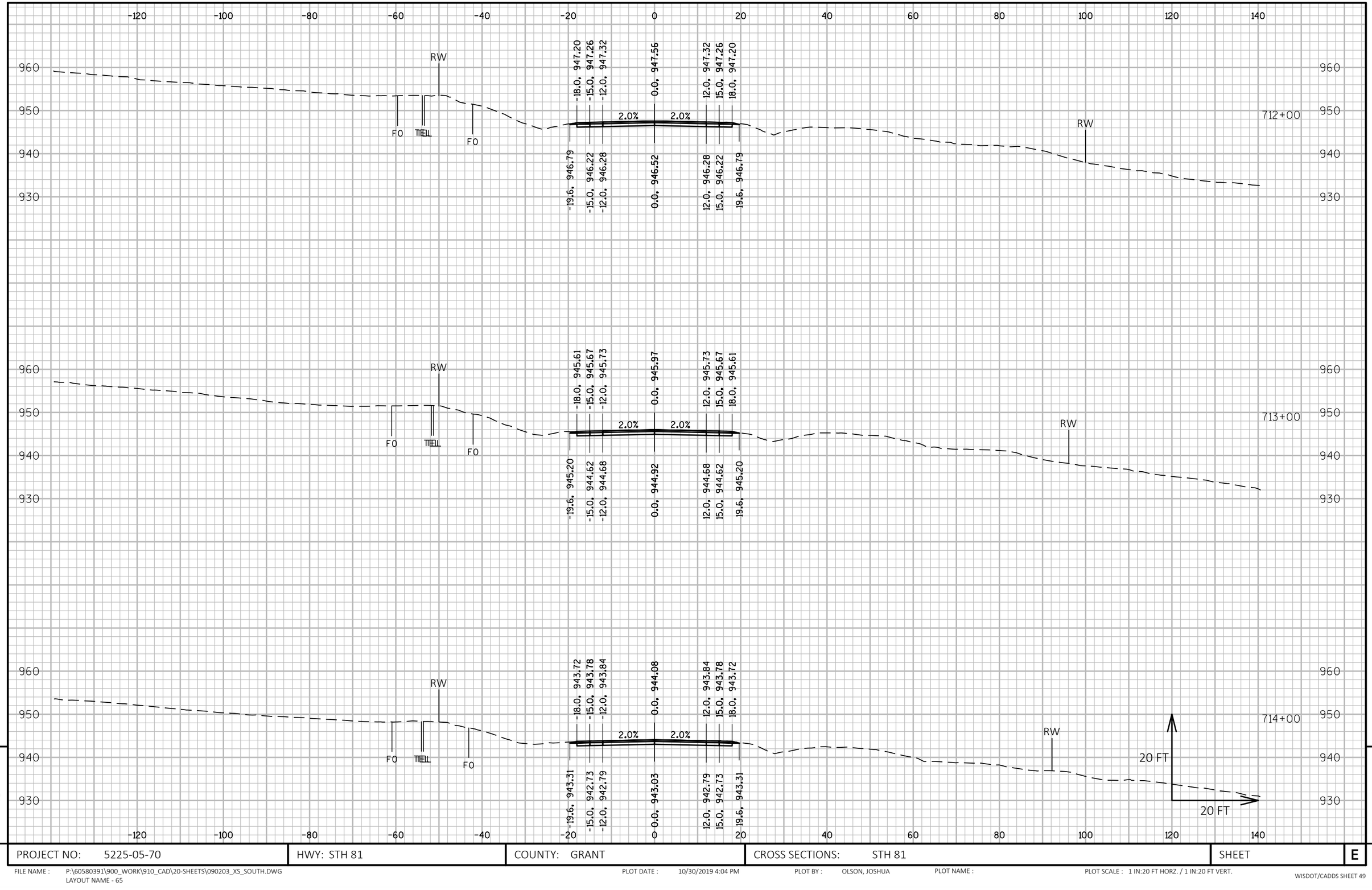


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 64

PLOT DATE : 10/30/2019 4:03 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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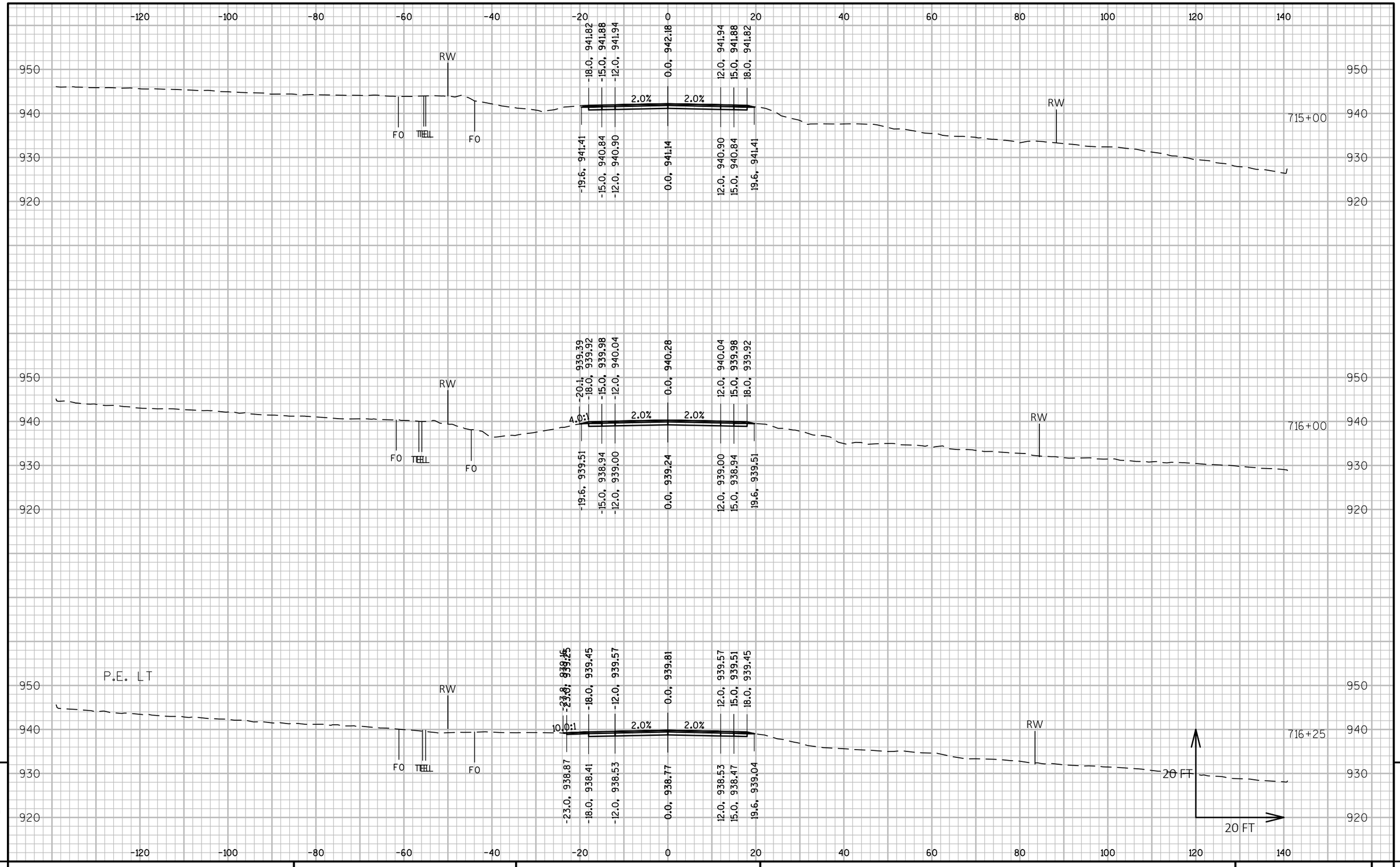
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 65

PLOT DATE : 10/30/2019 4:04 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 66

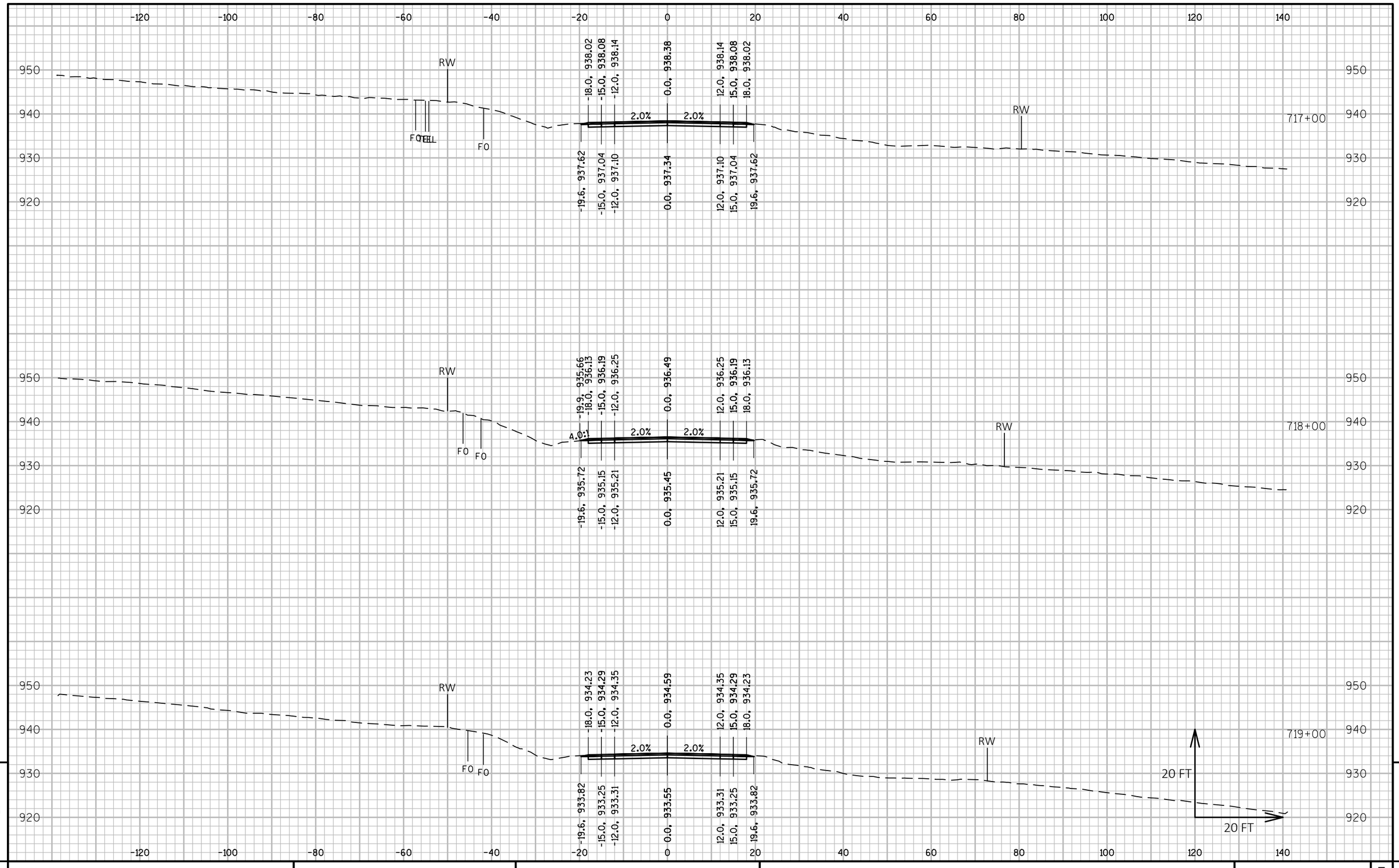
PLOT DATE : 10/30/2019 4:05 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

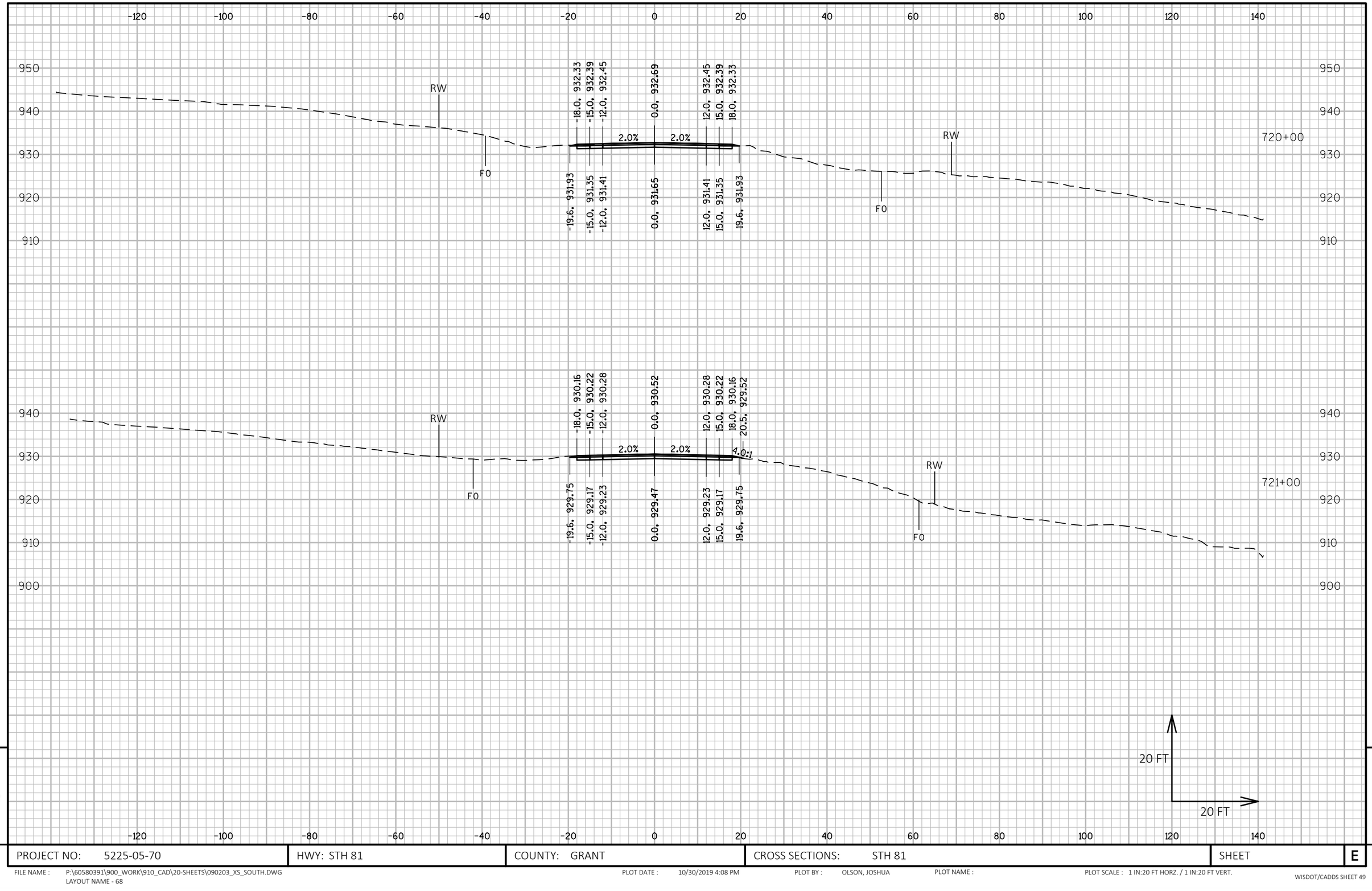
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 67

PLOT DATE : 10/30/2019 4:06 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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



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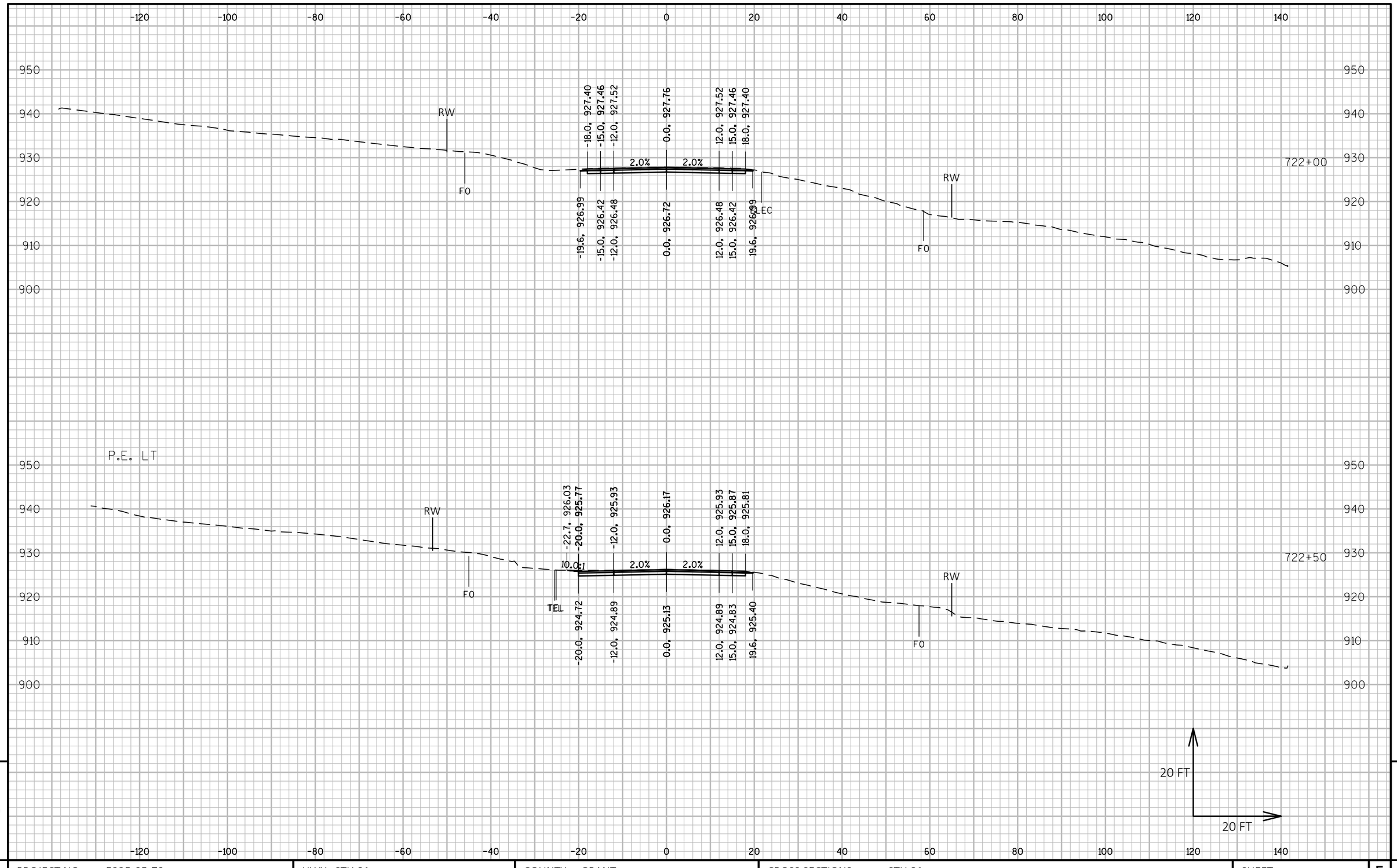
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 68

PLOT DATE : 10/30/2019 4:08 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

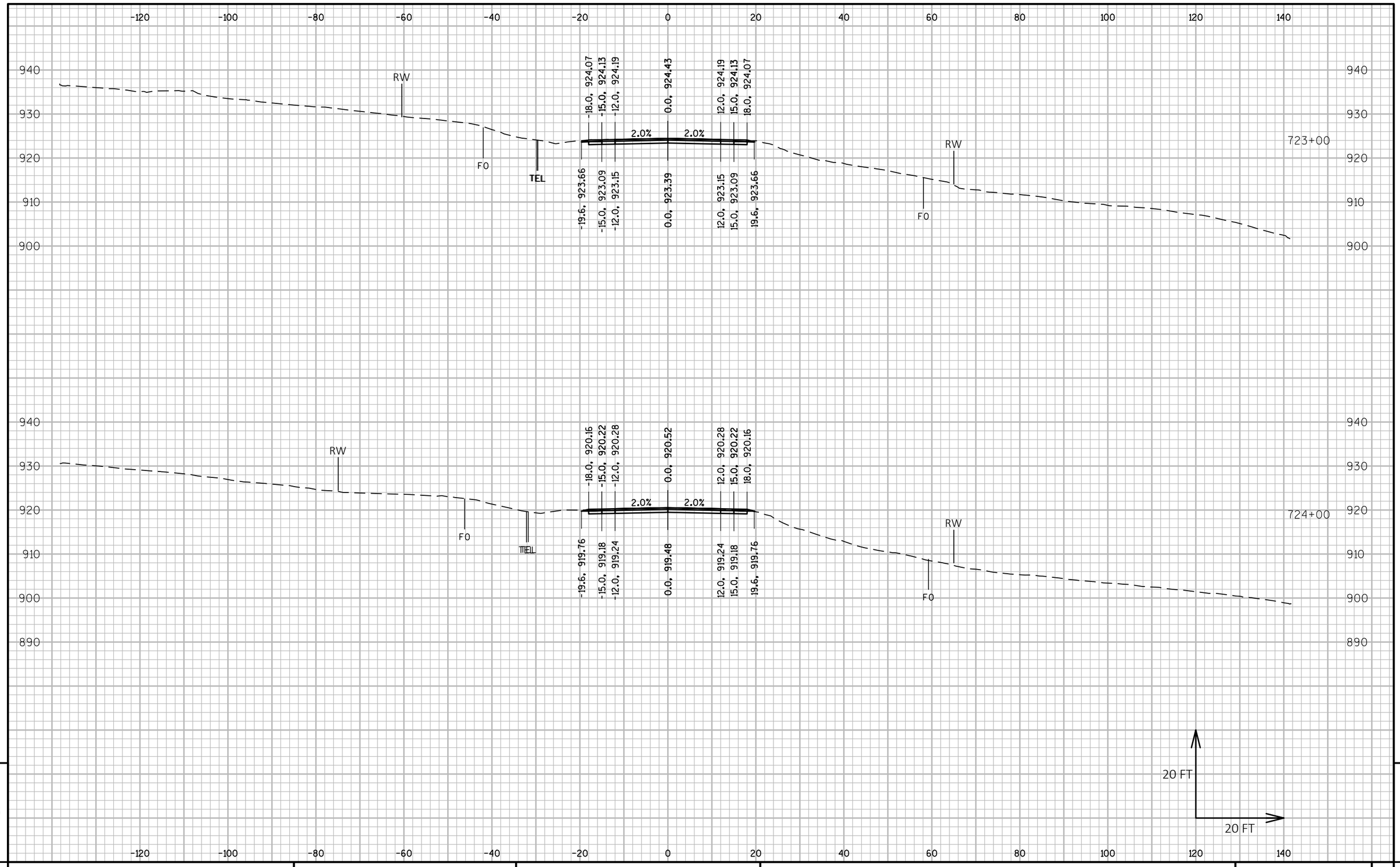
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 69

PLOT DATE : 10/30/2019 4:09 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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



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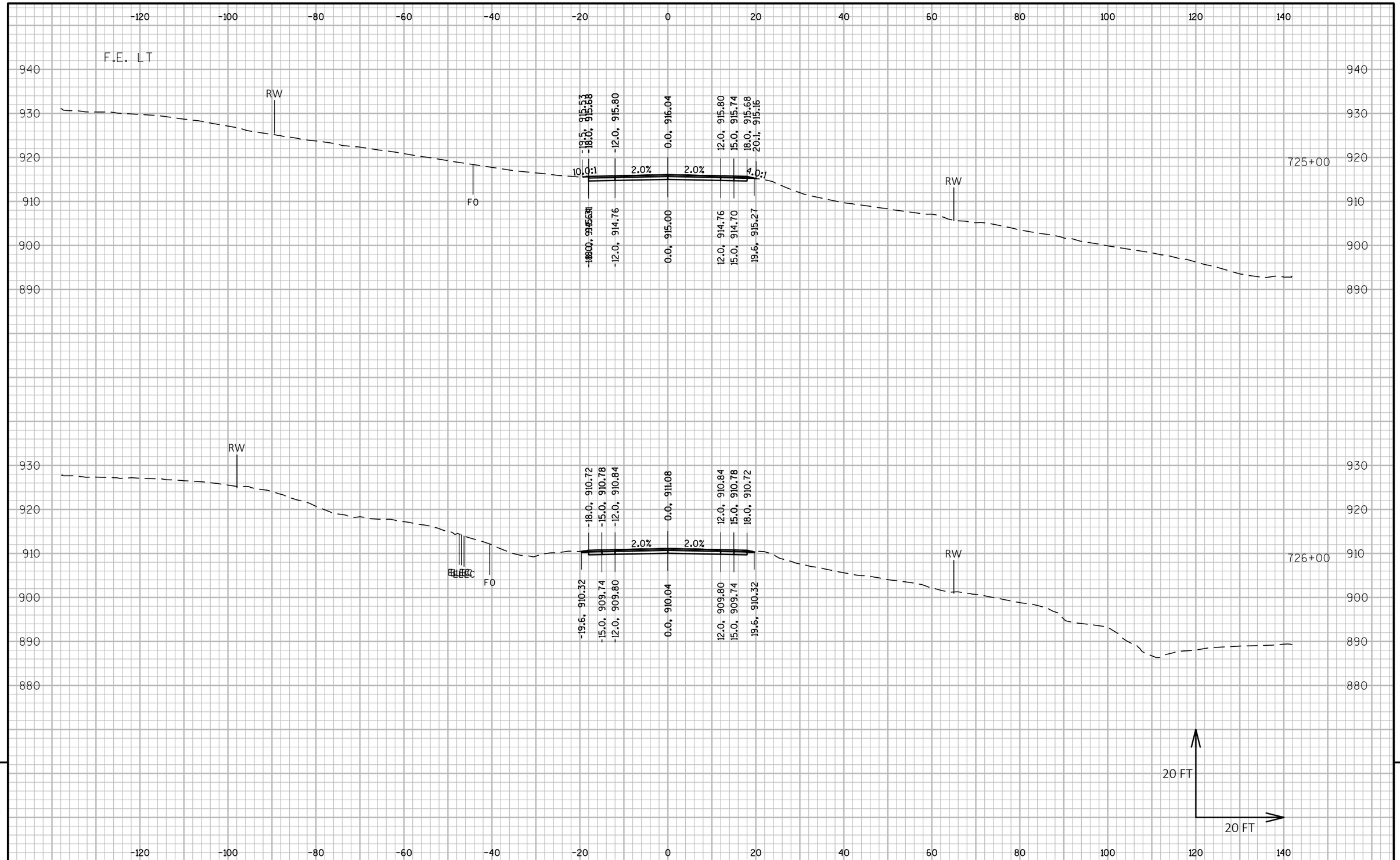
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 70

PLOT DATE : 10/30/2019 4:10 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

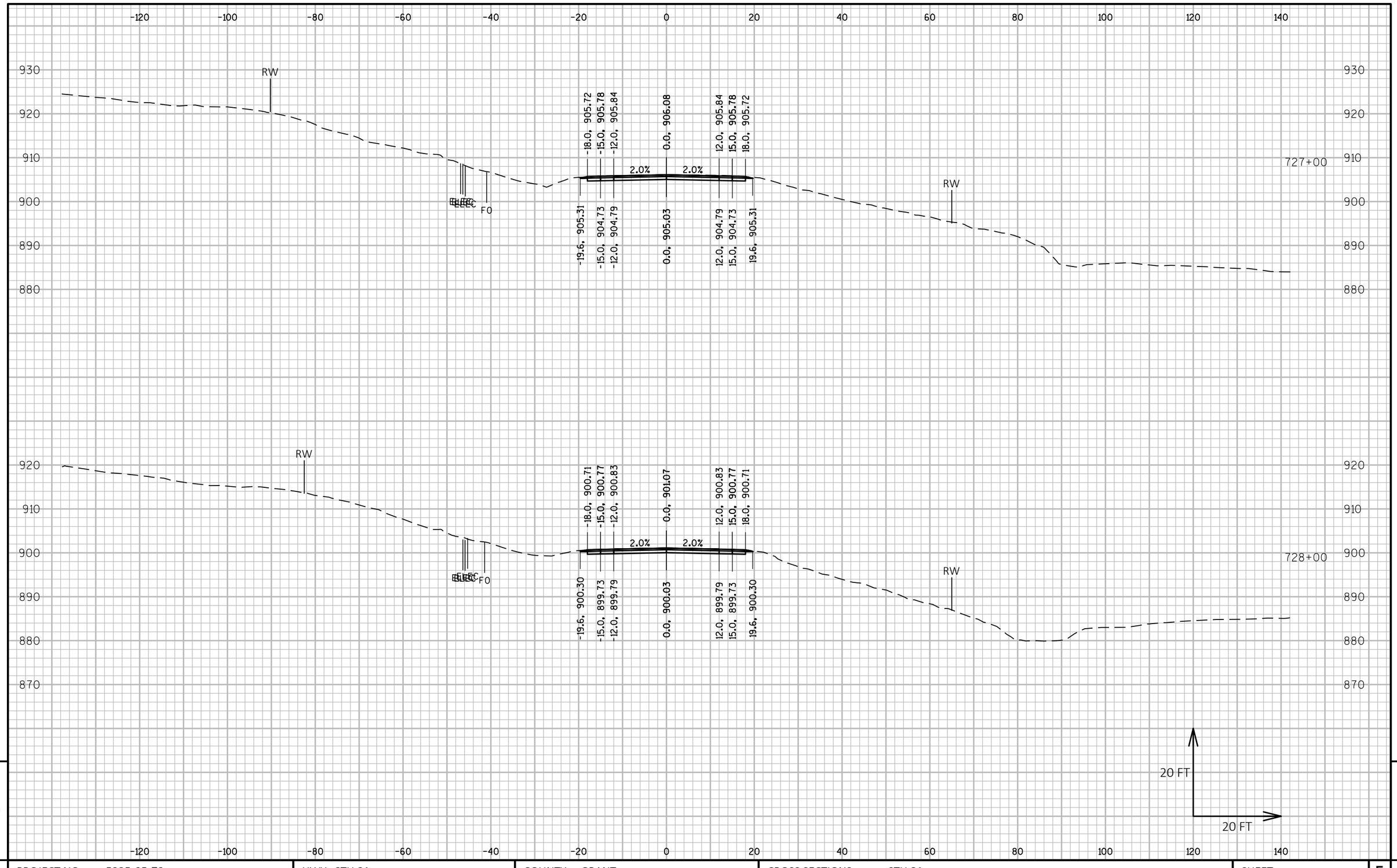


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 71

PLOT DATE : 10/30/2019 4:11 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

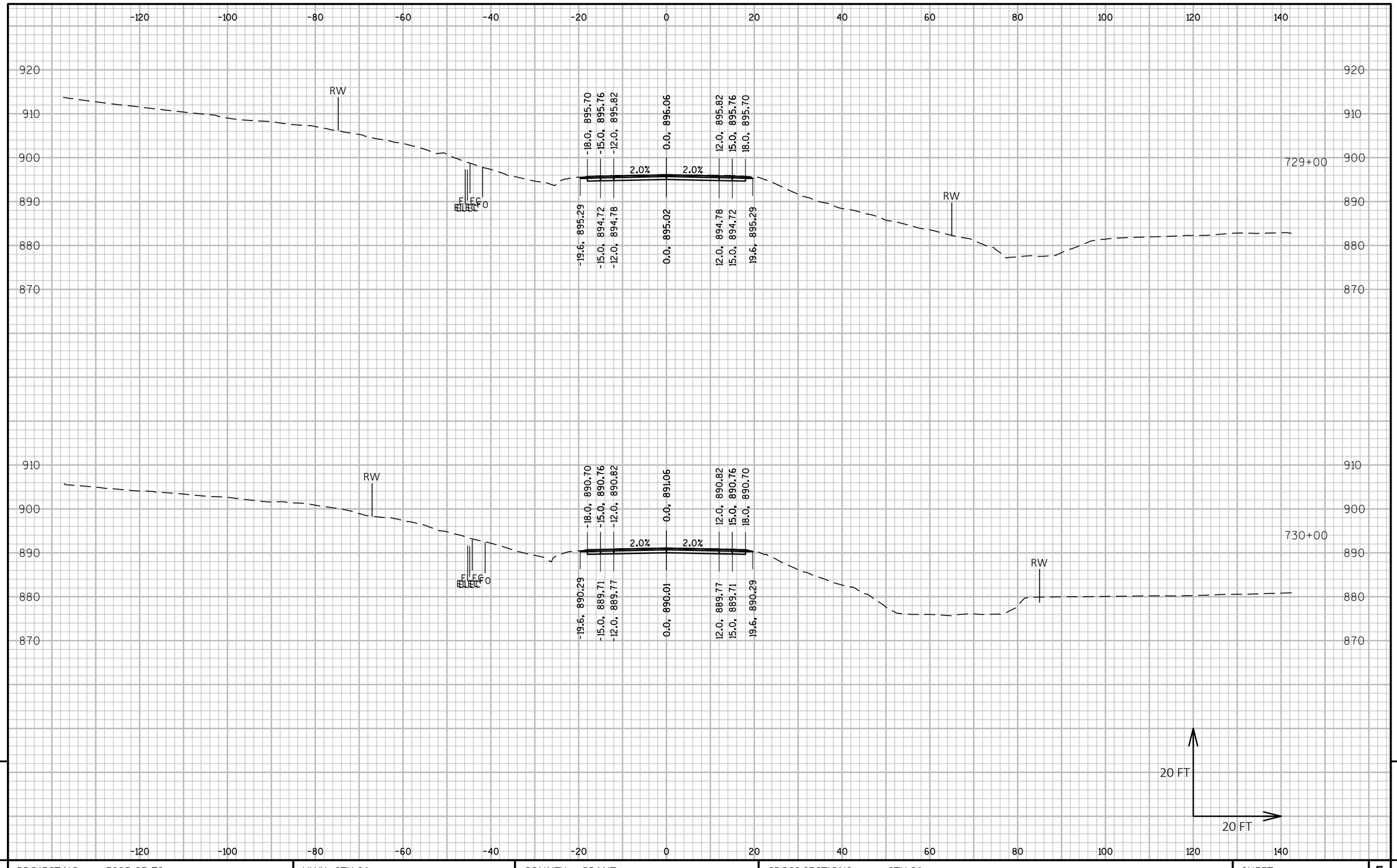
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 72

PLOT DATE : 10/30/2019 4:13 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

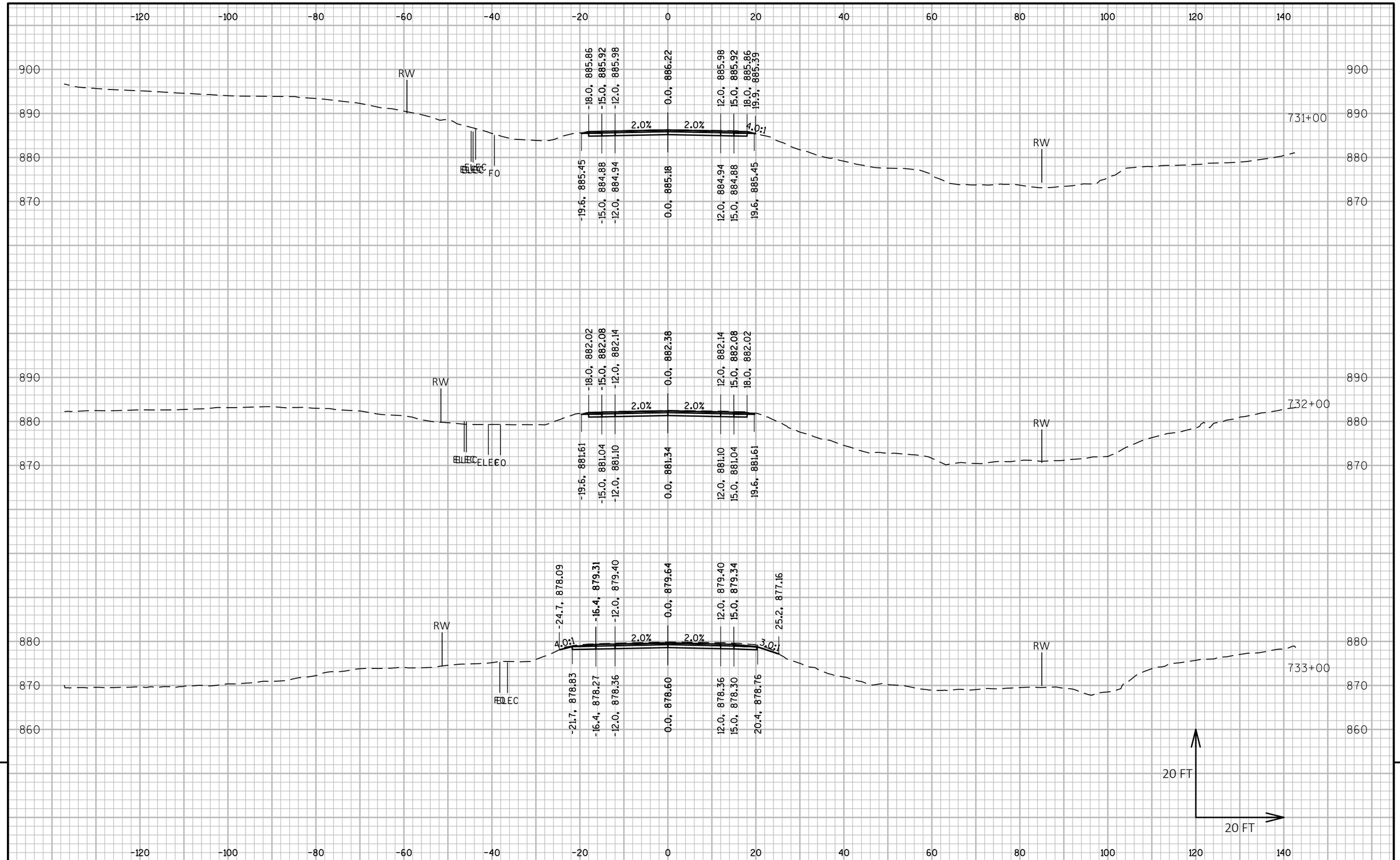
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 73

PLOT DATE : 10/30/2019 4:14 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

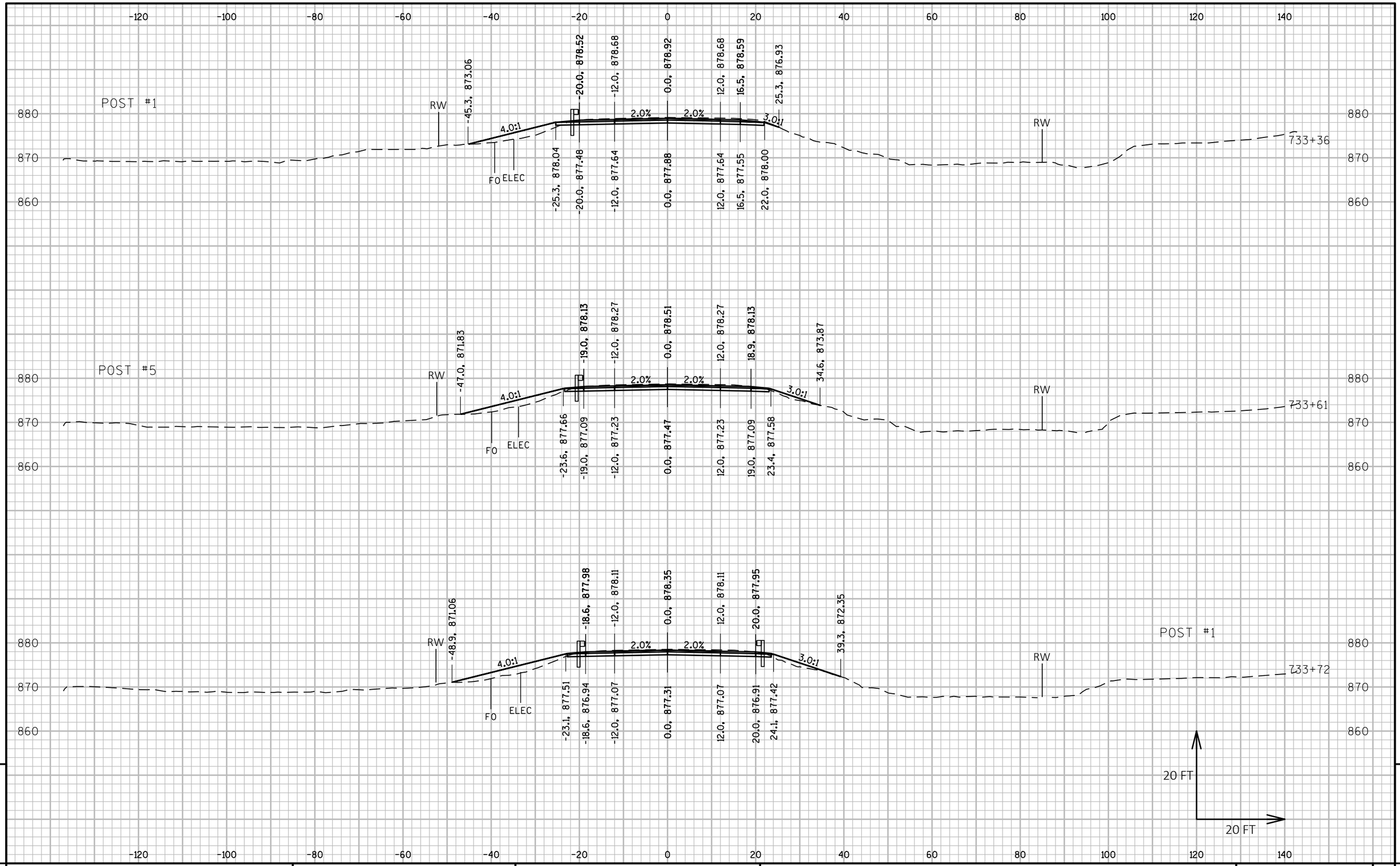


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 74

PLOT DATE : 10/30/2019 4:15 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

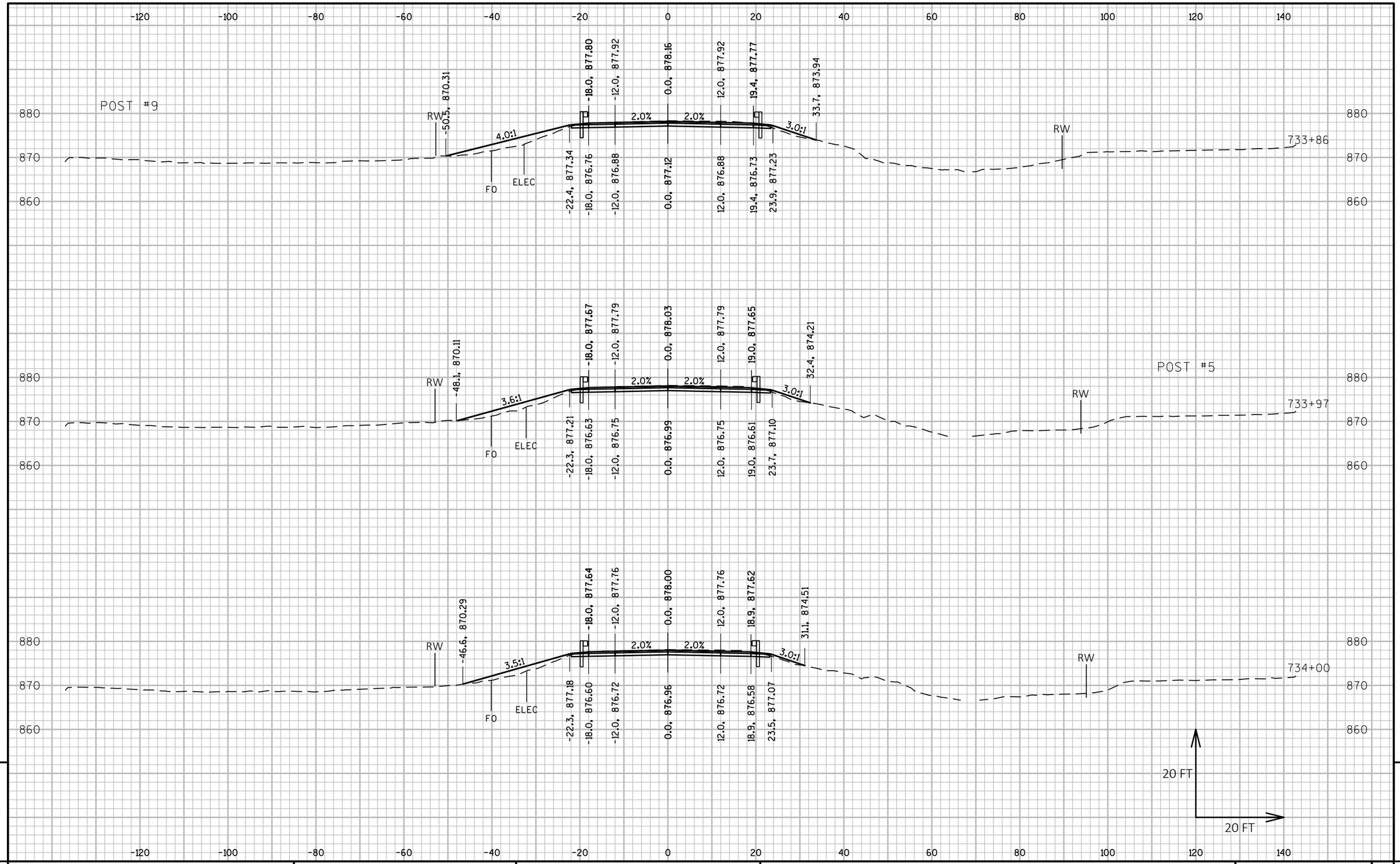
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 75

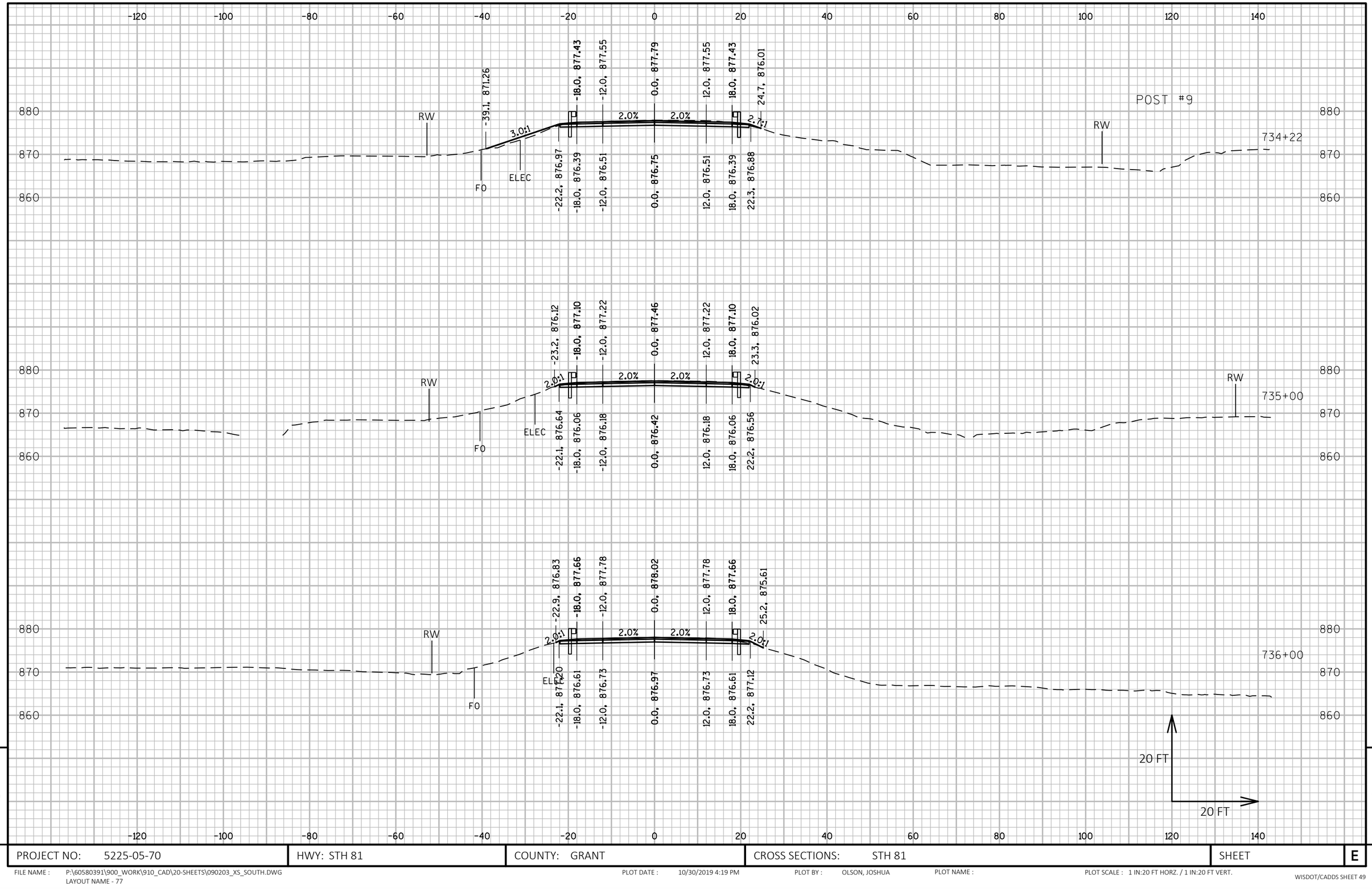
PLOT DATE : 10/30/2019 4:16 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 76

PLOT DATE : 10/30/2019 4:18 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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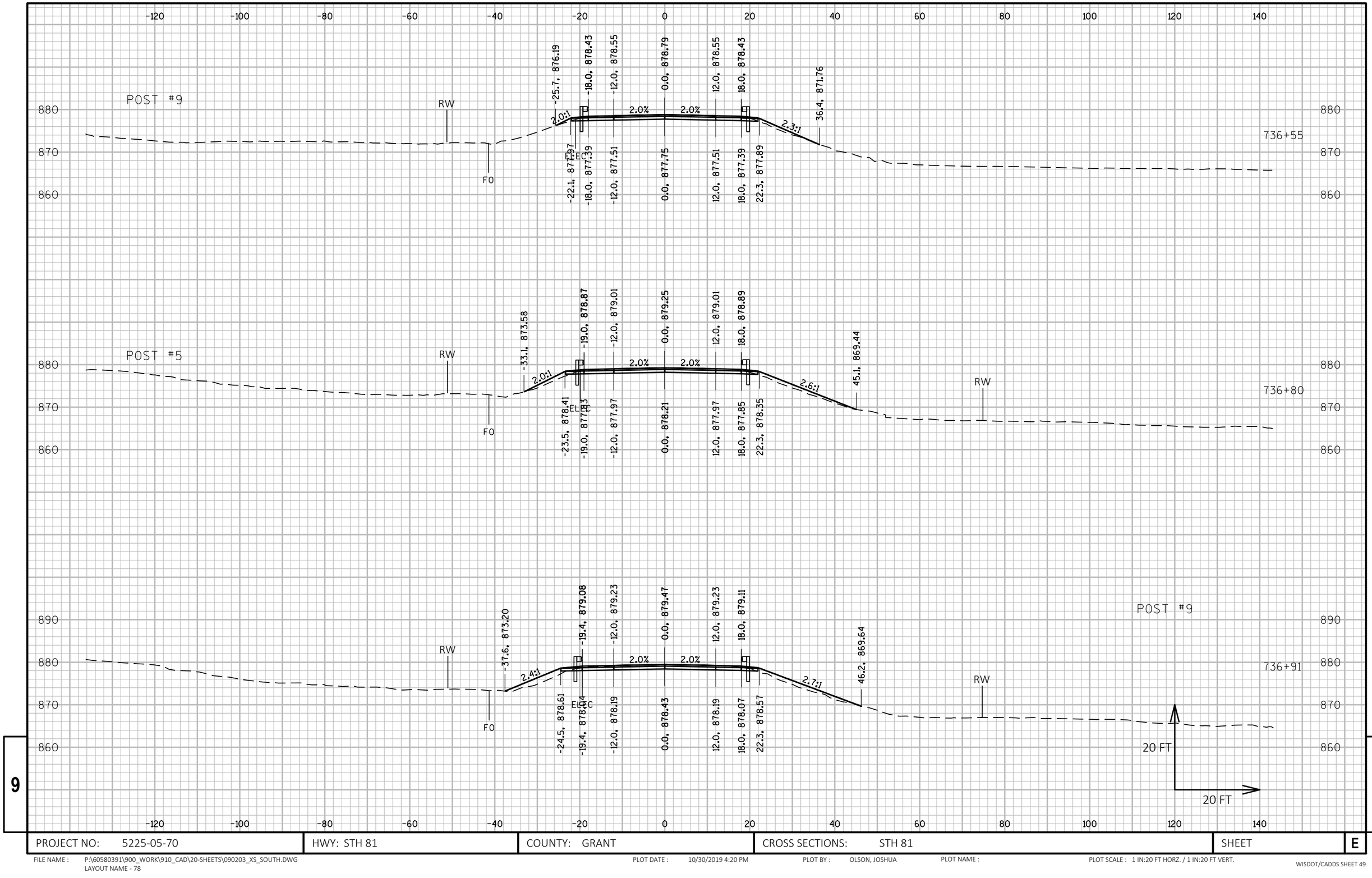
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 77

PLOT DATE : 10/30/2019 4:19 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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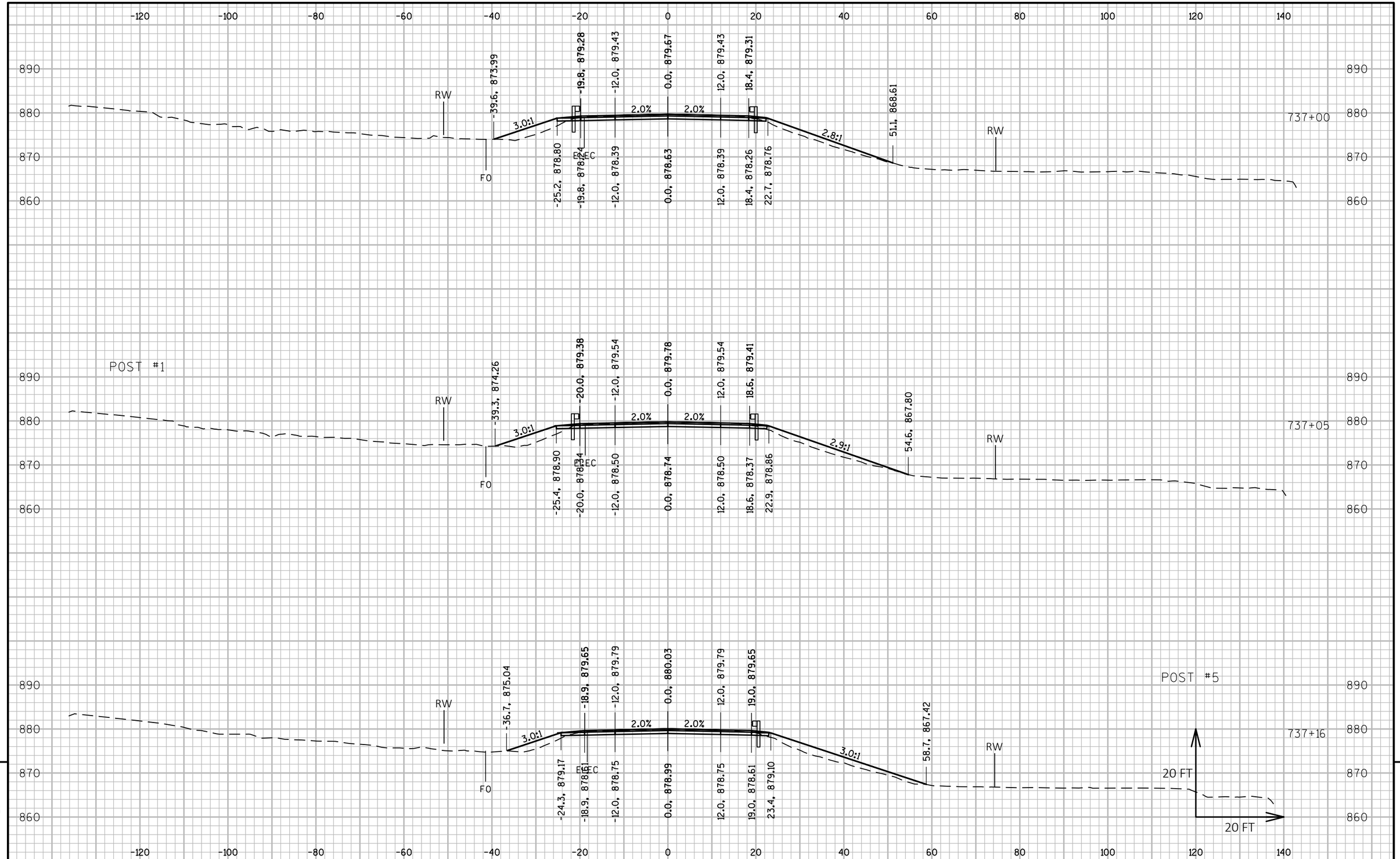
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 78

PLOT DATE : 10/30/2019 4:20 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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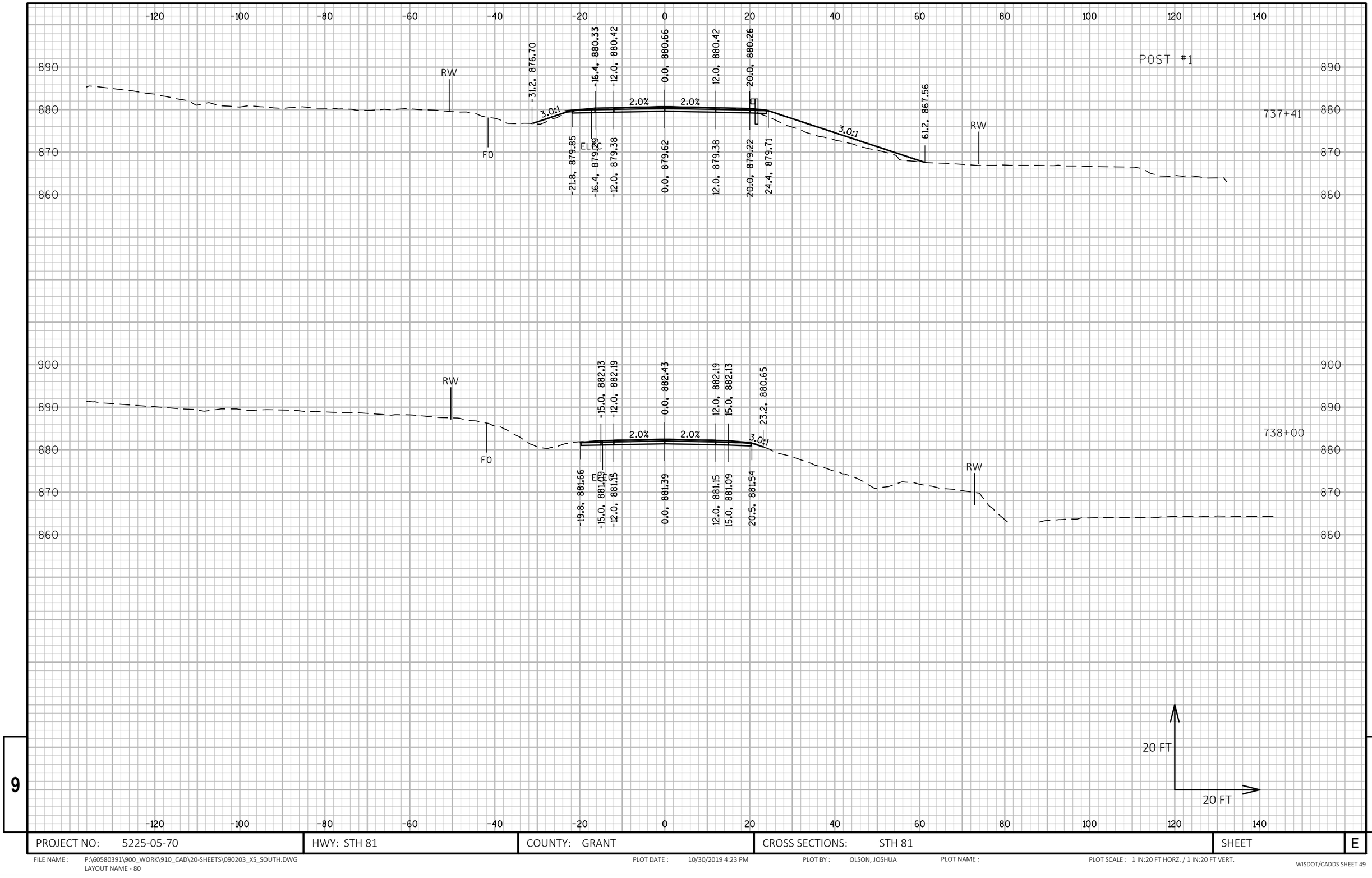
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 79

PLOT DATE : 10/30/2019 4:21 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

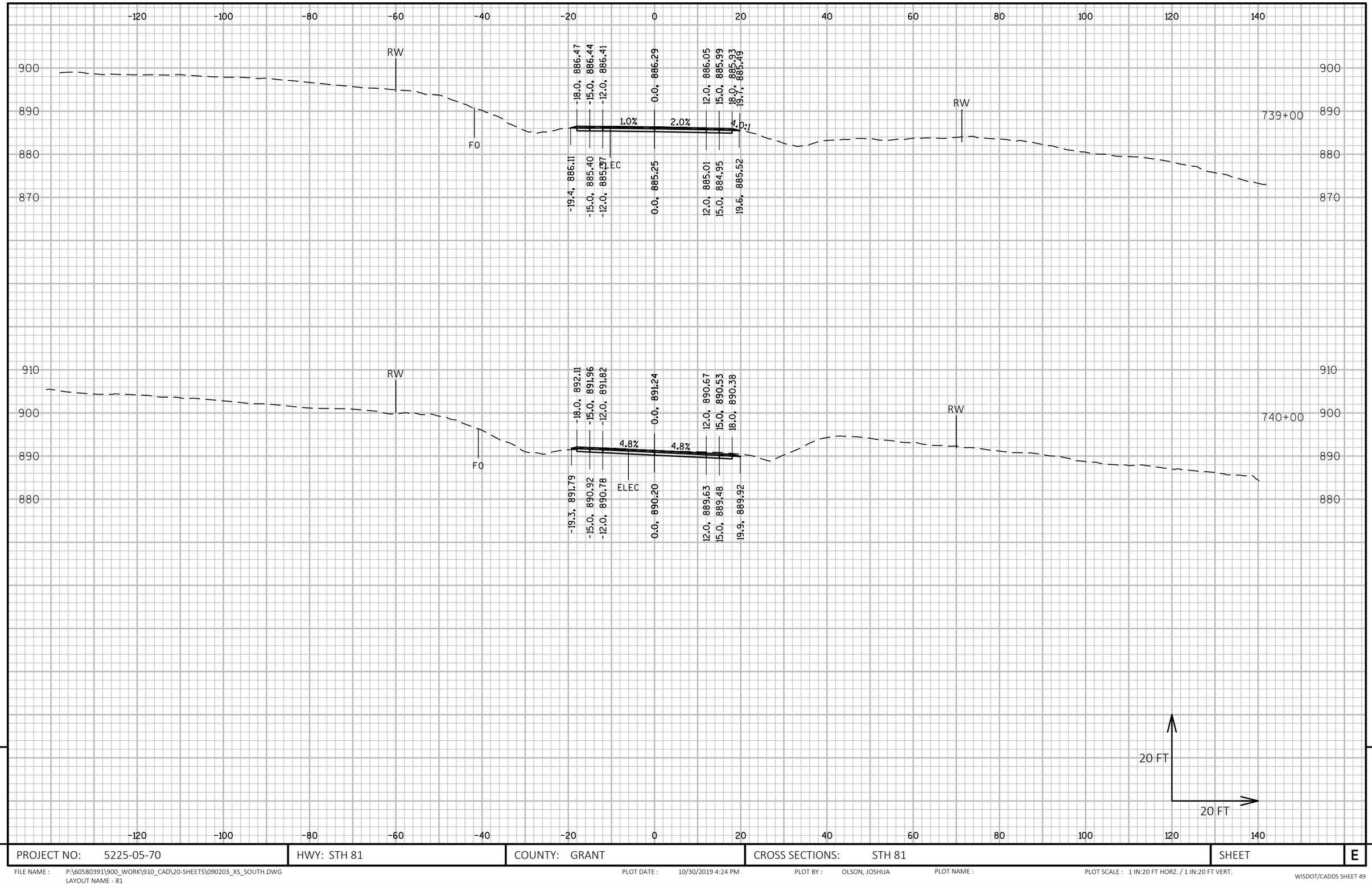
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 80

PLOT DATE : 10/30/2019 4:23 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 81

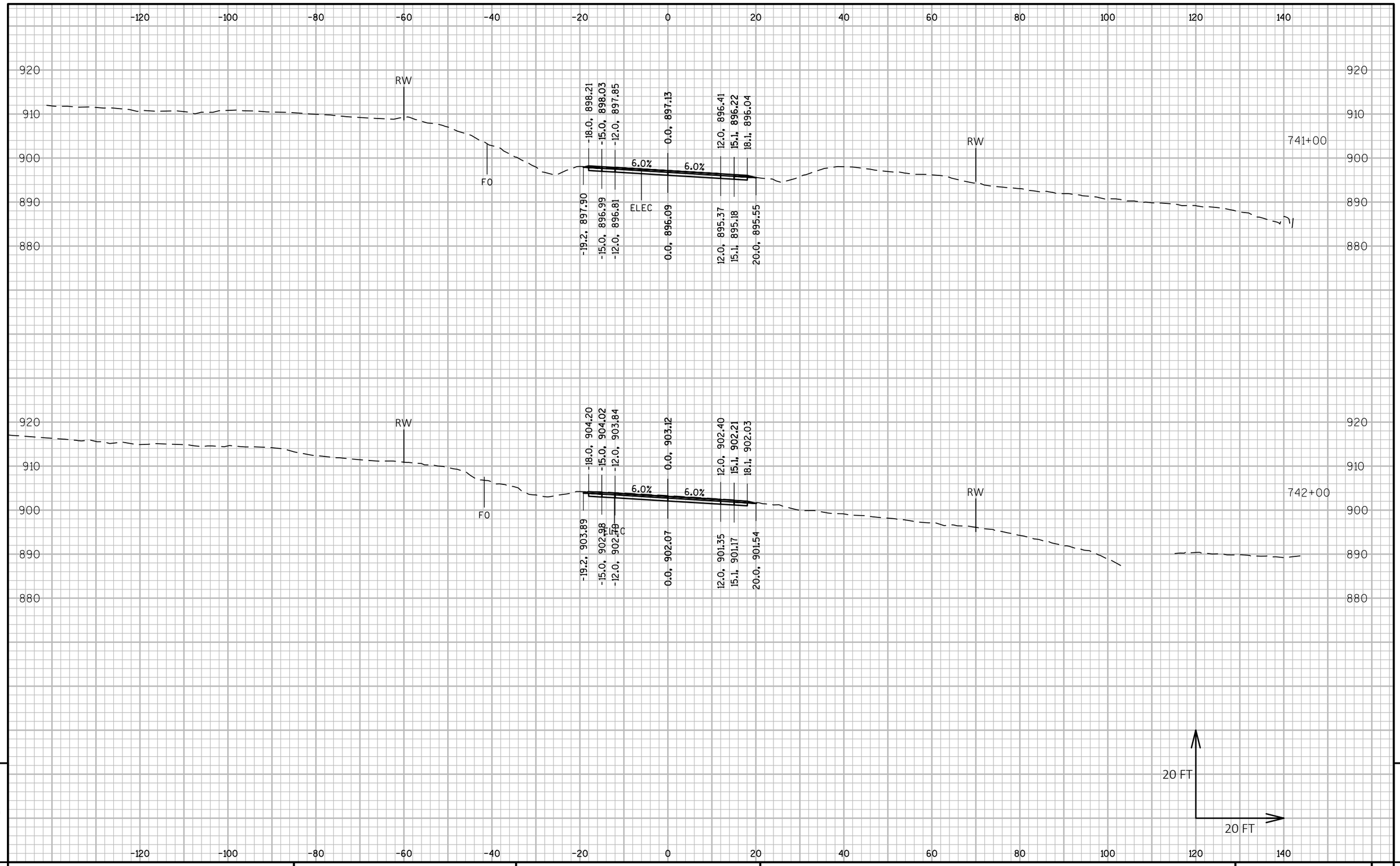
PLOT DATE : 10/30/2019 4:24 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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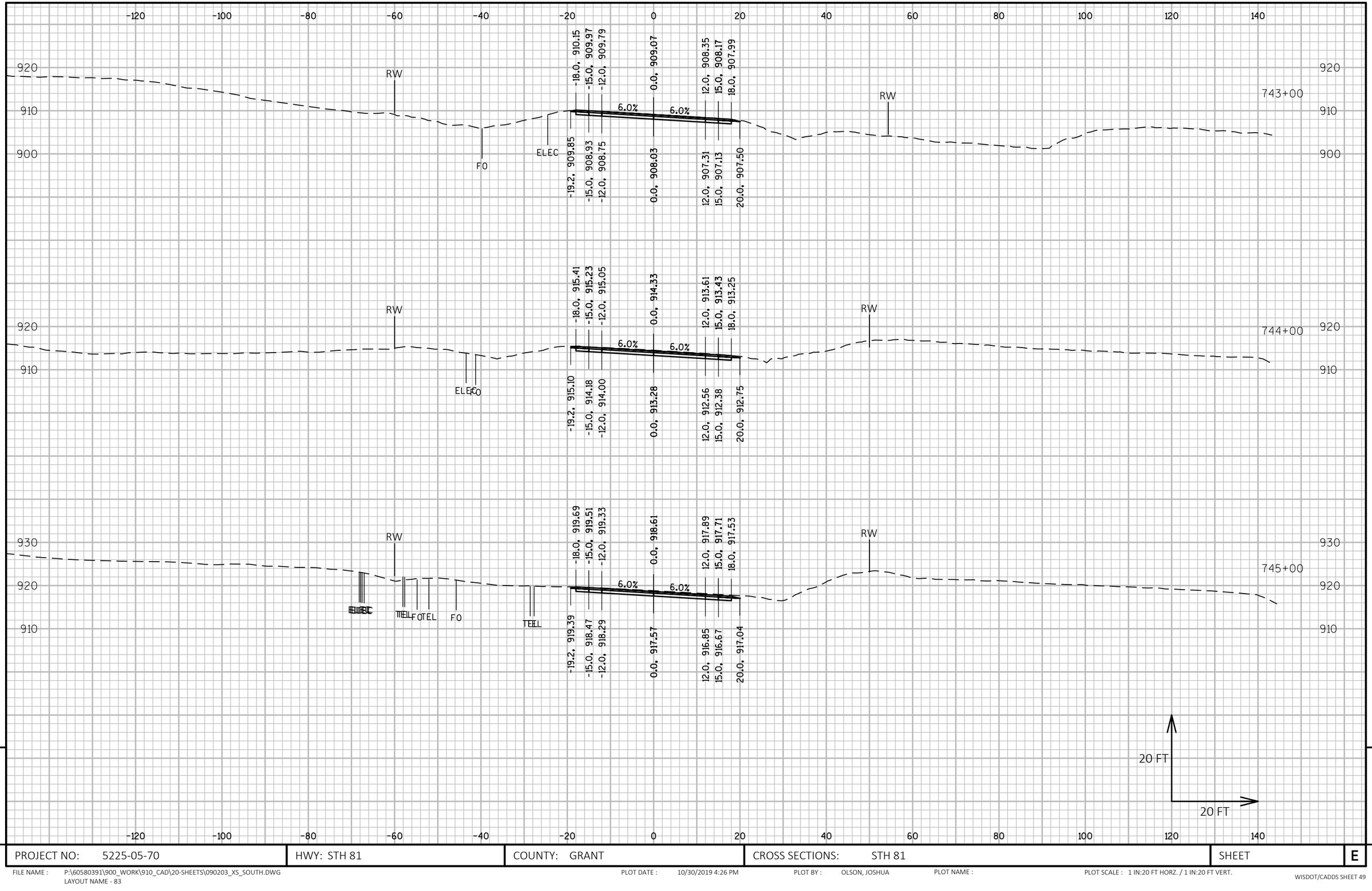
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 82

PLOT DATE : 10/30/2019 4:25 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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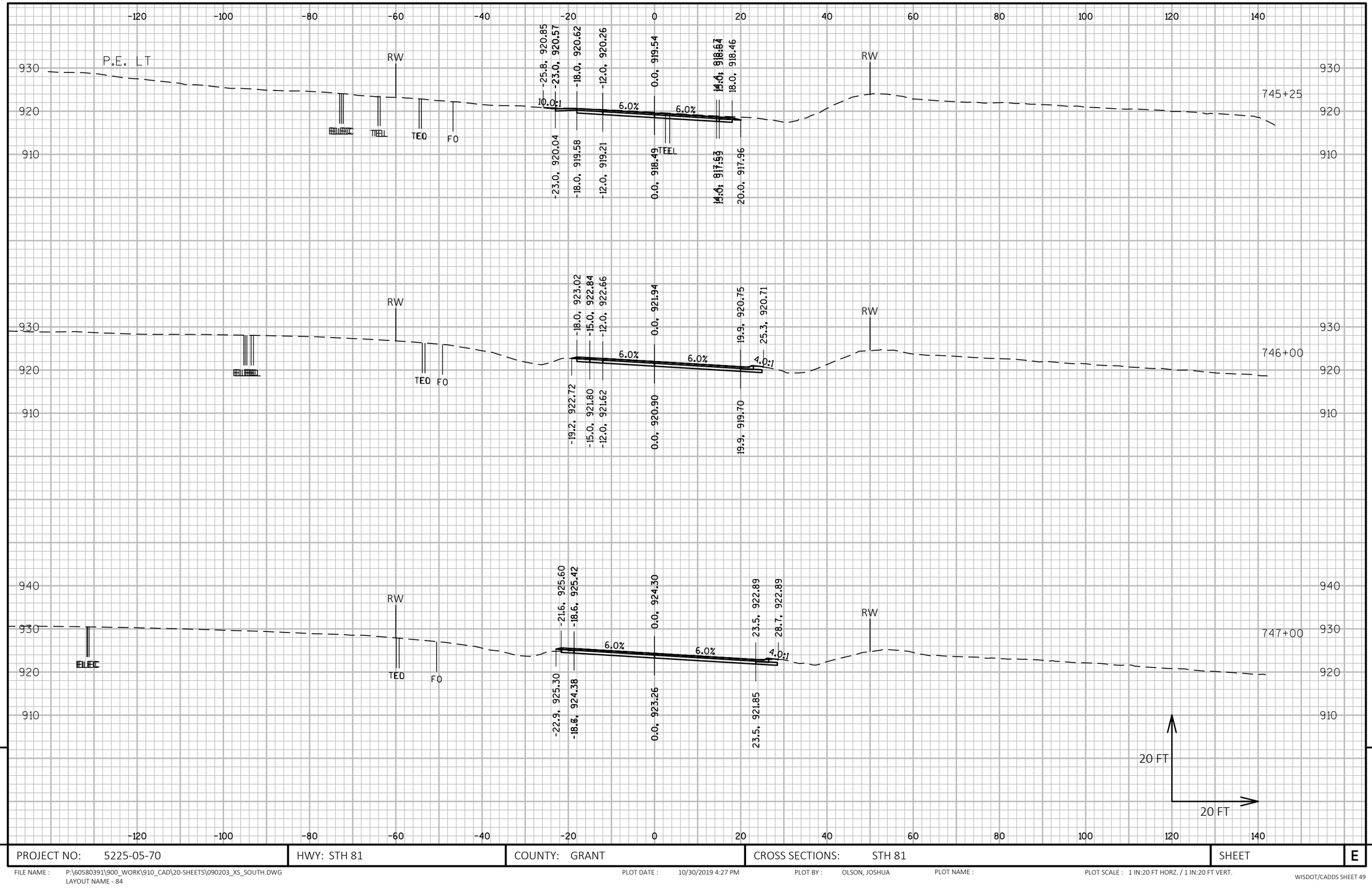
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

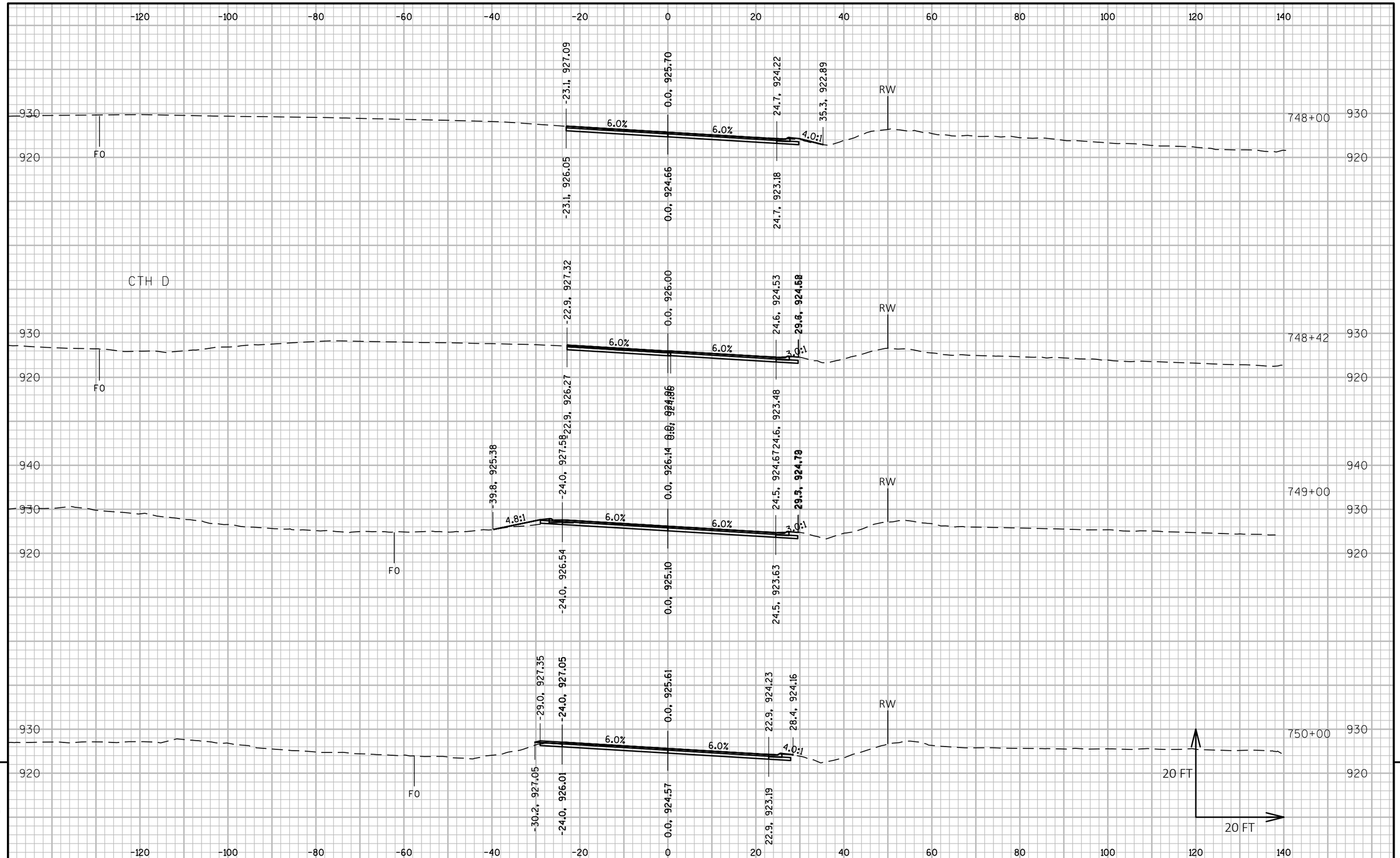
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 83

PLOT DATE : 10/30/2019 4:26 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 84
PLOT DATE : 10/30/2019 4:27 PM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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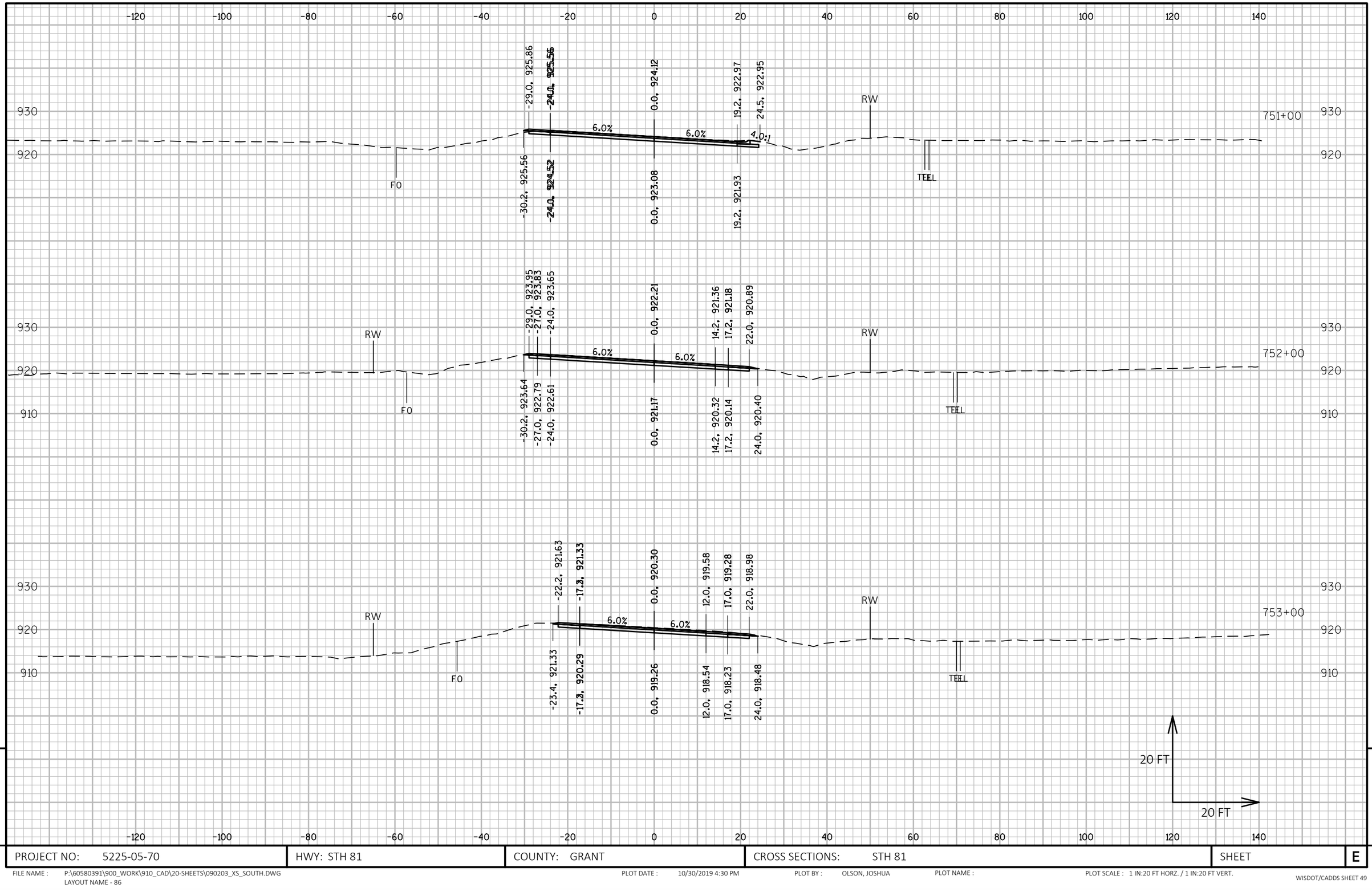
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 85

PLOT DATE : 10/30/2019 4:29 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

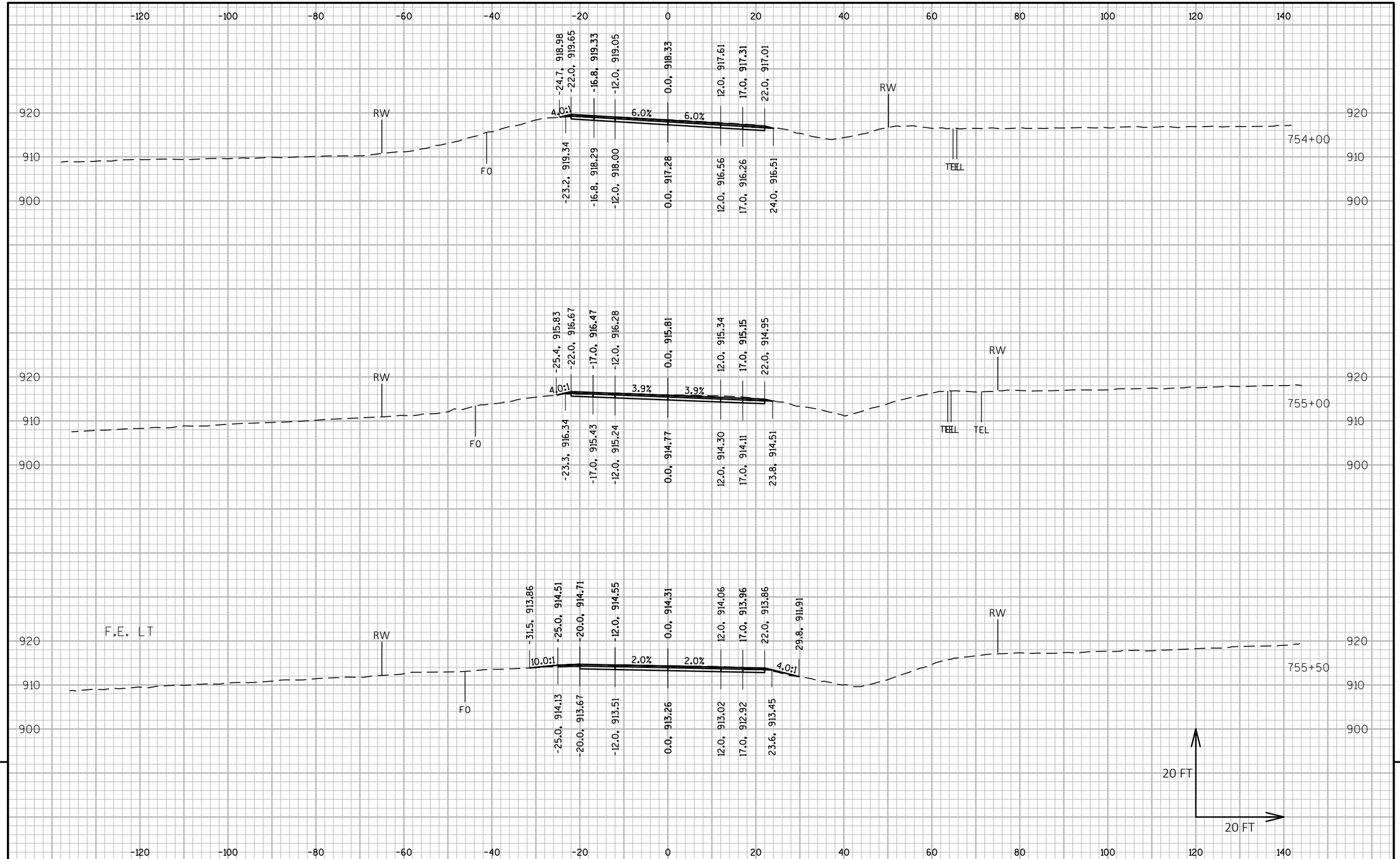
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 86

PLOT DATE : 10/30/2019 4:30 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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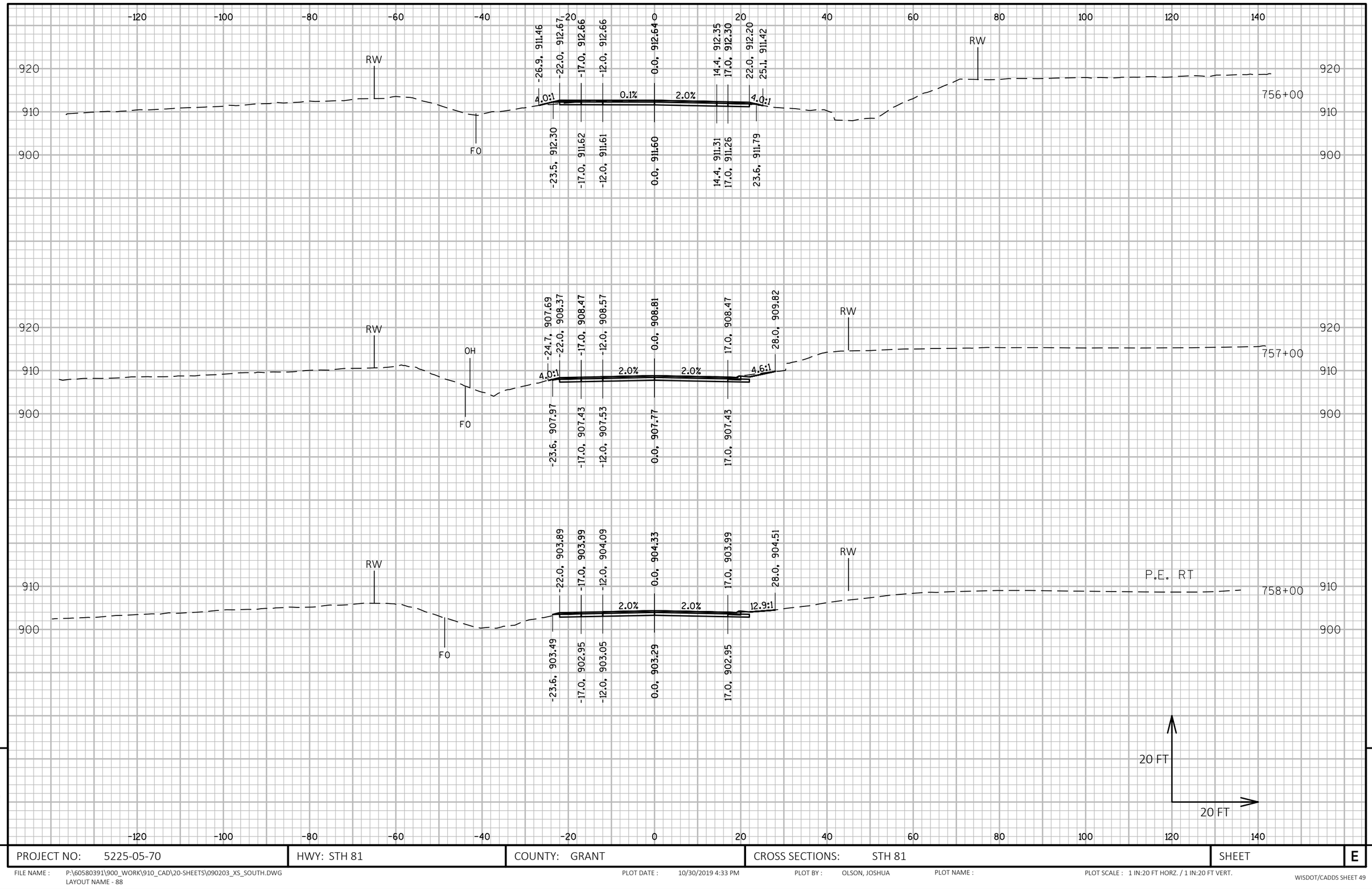
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 87

PLOT DATE : 10/30/2019 4:31 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

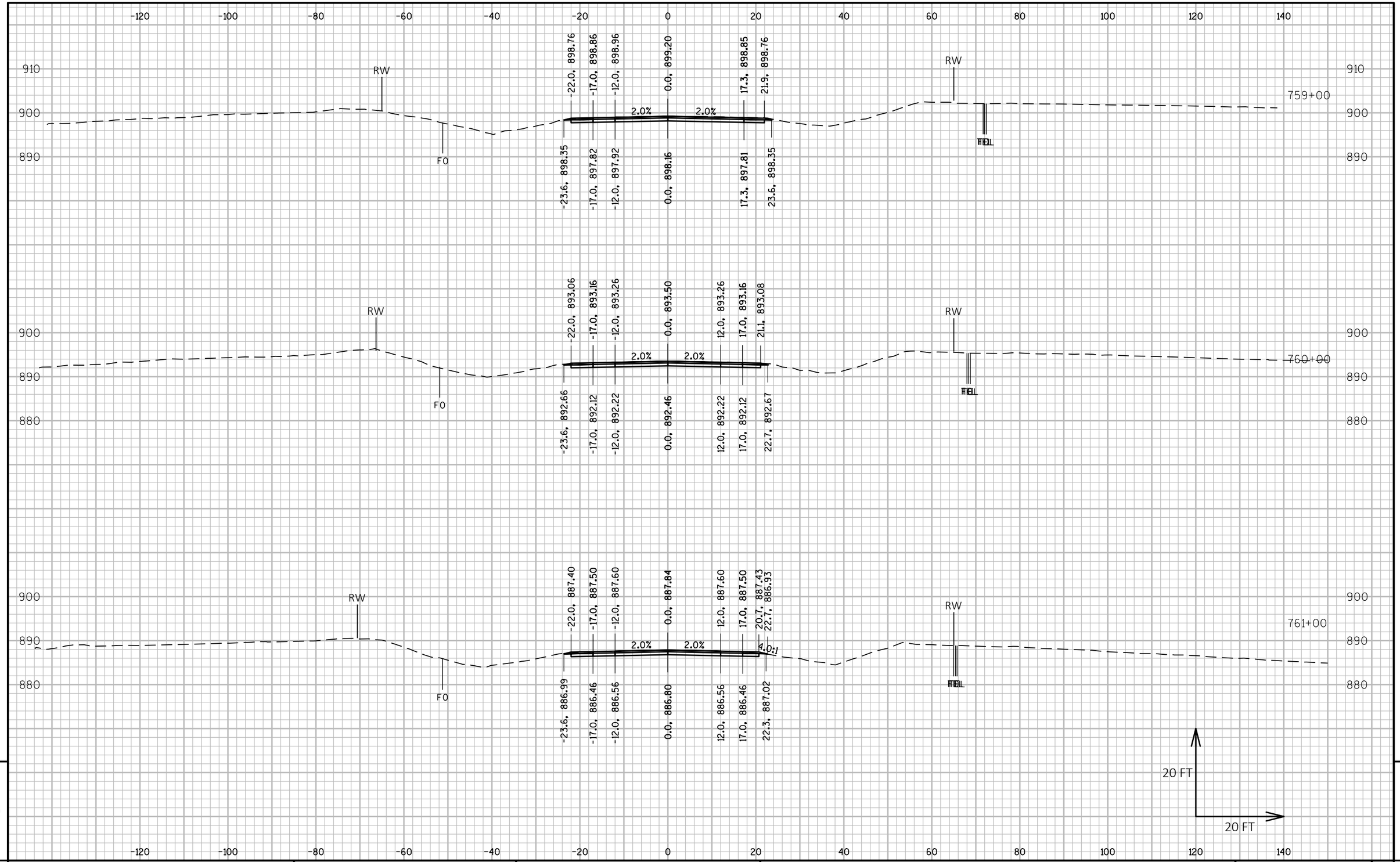


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 88

PLOT DATE : 10/30/2019 4:33 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

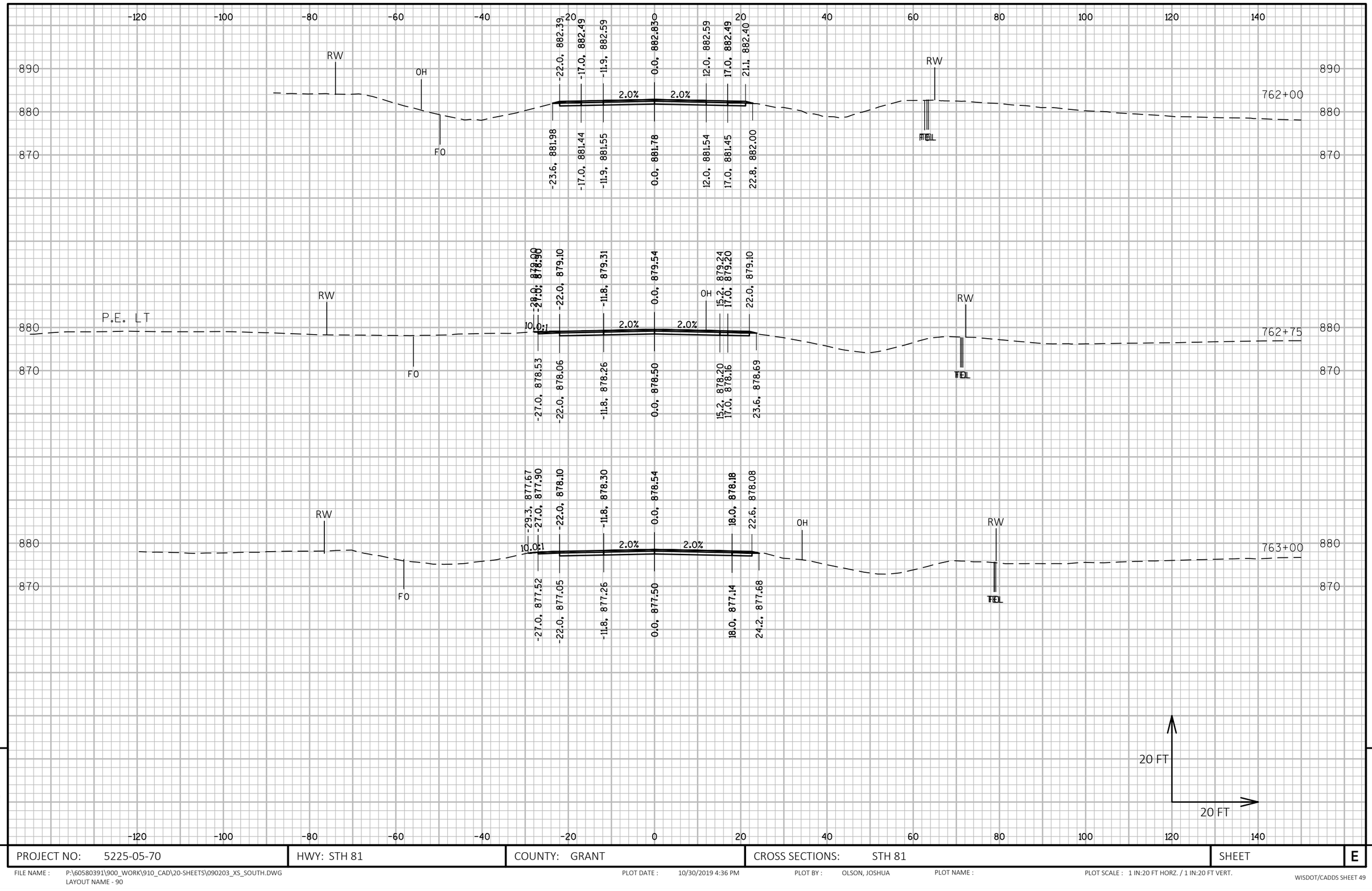


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 89

PLOT DATE : 10/30/2019 4:34 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

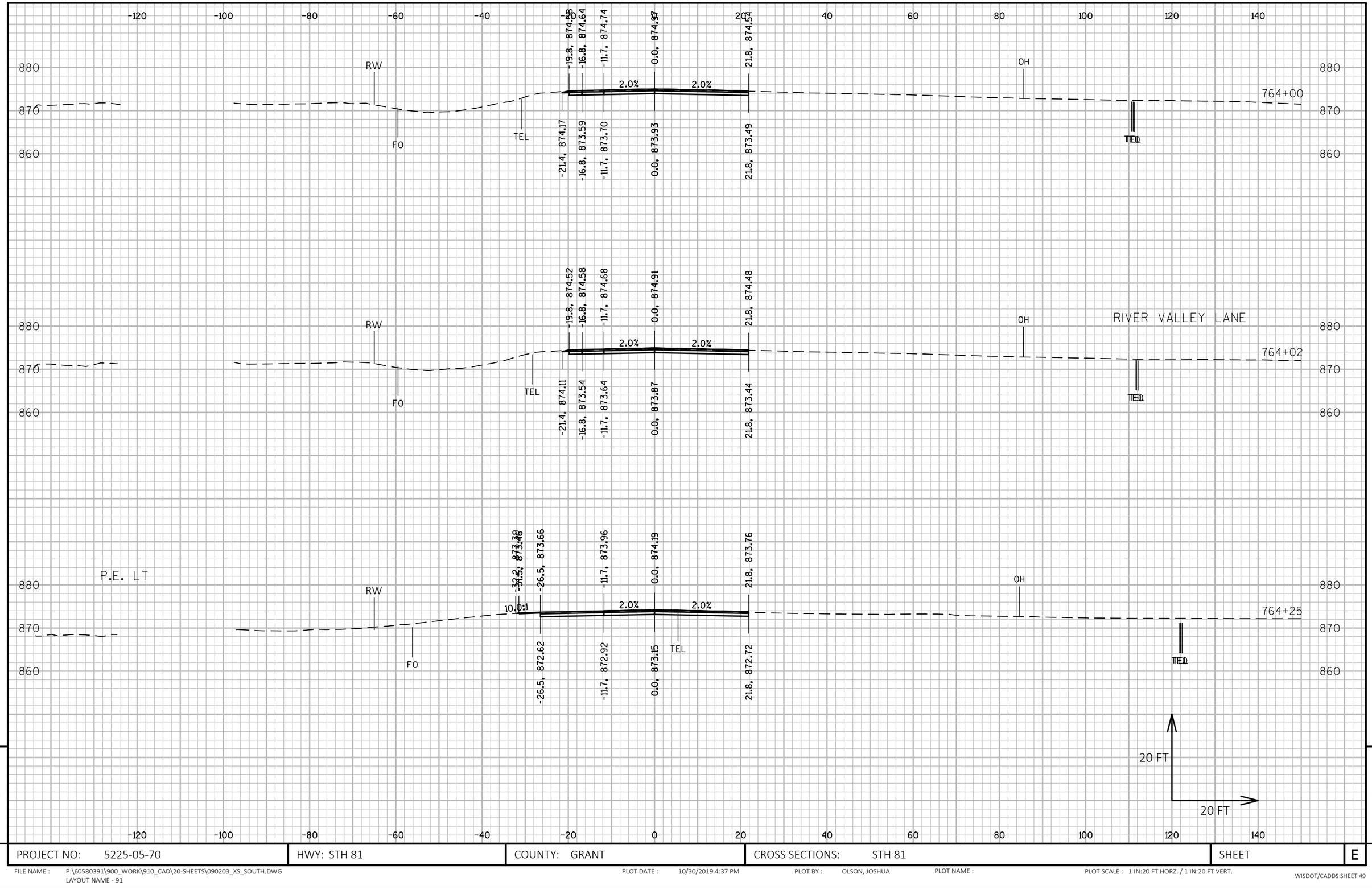


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 90

PLOT DATE : 10/30/2019 4:36 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

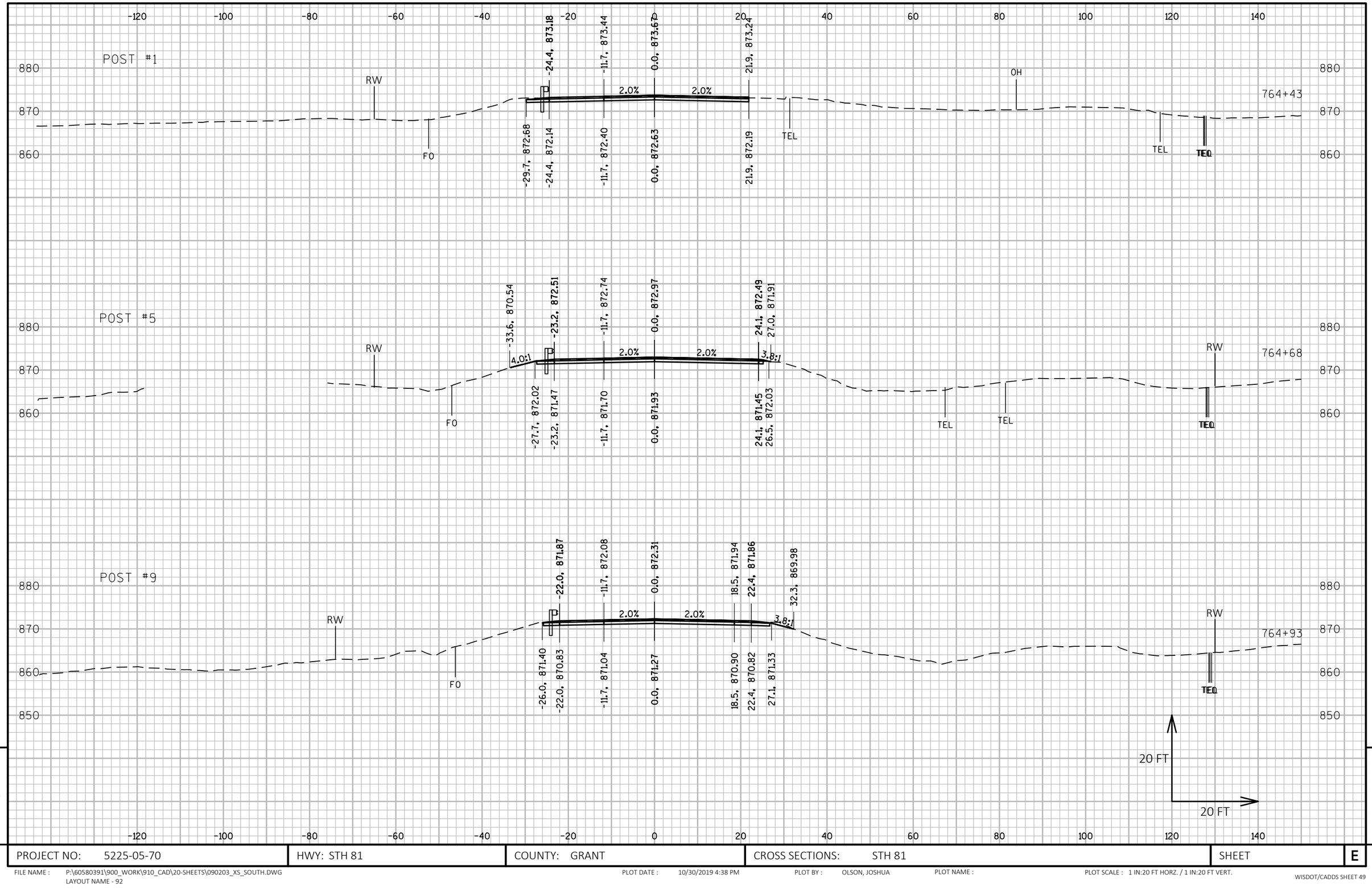
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 91

PLOT DATE : 10/30/2019 4:37 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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



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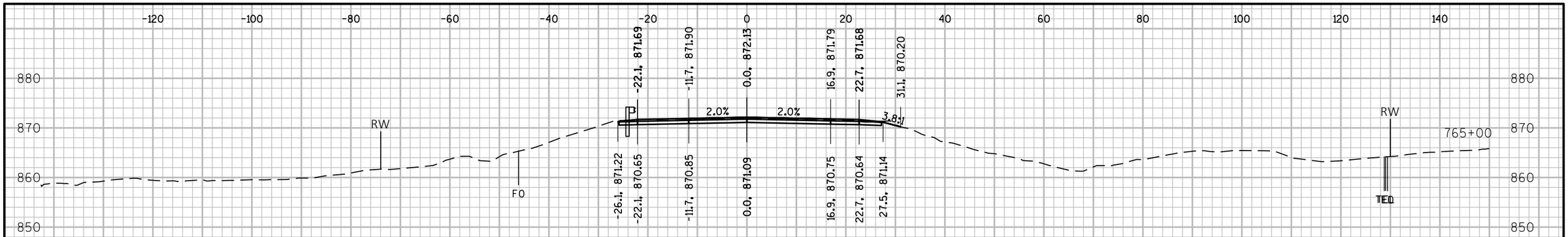
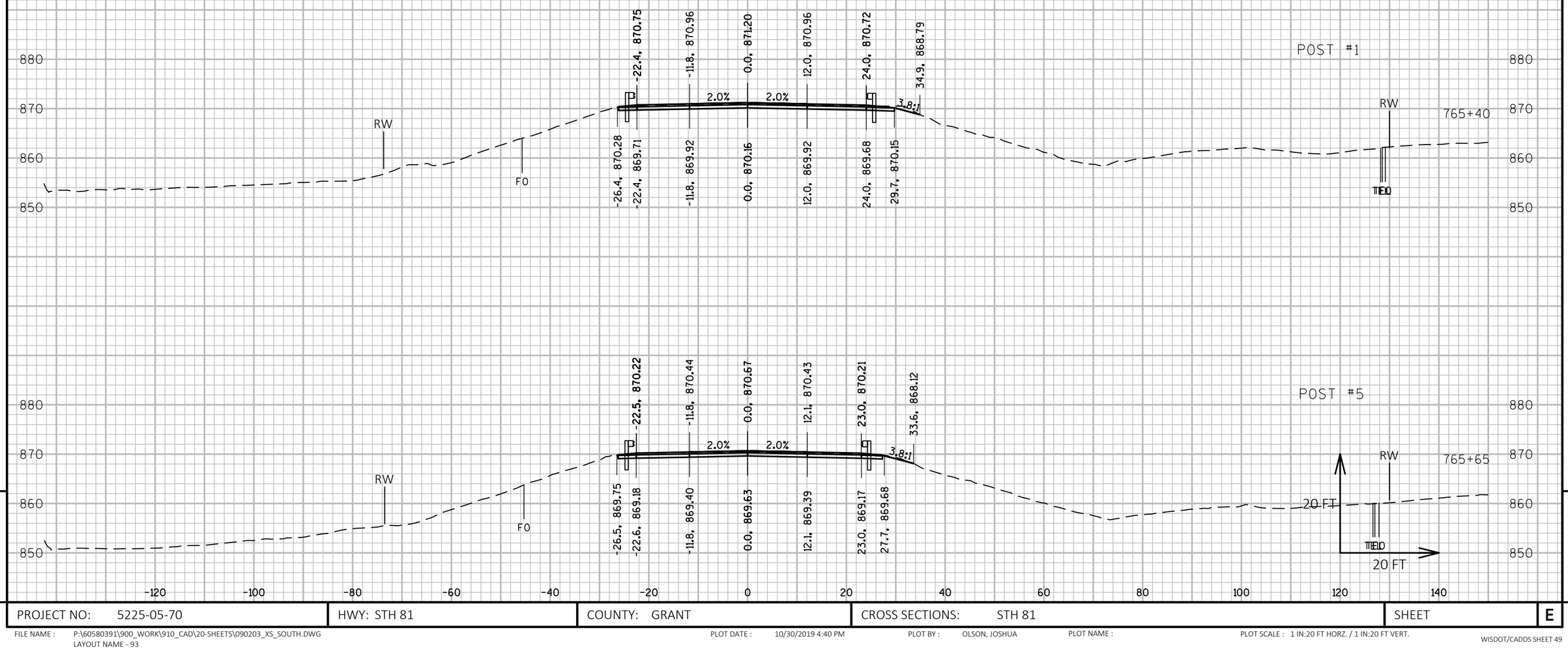
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 92

PLOT DATE : 10/30/2019 4:38 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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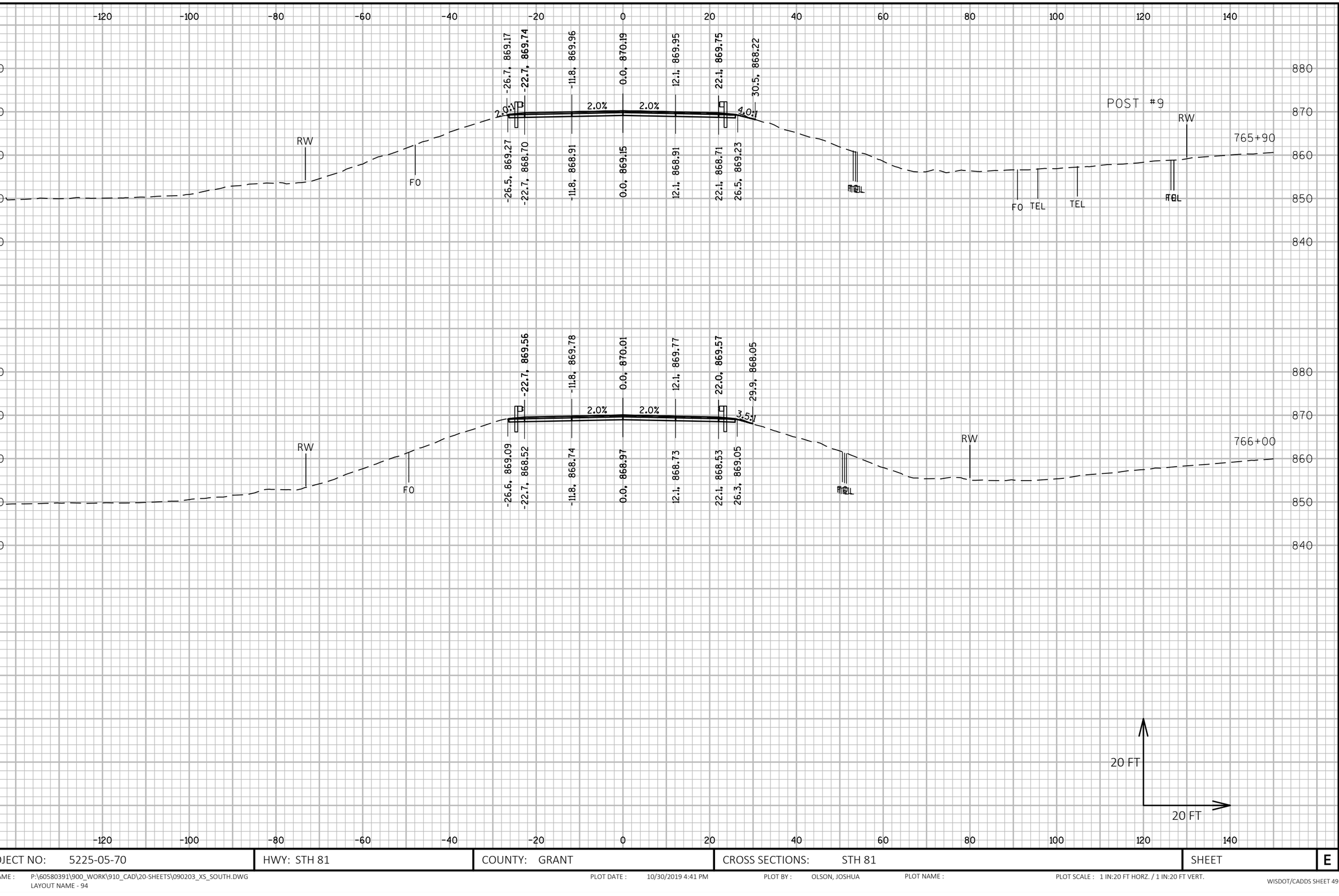
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 93
PLOT DATE : 10/30/2019 4:40 PM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



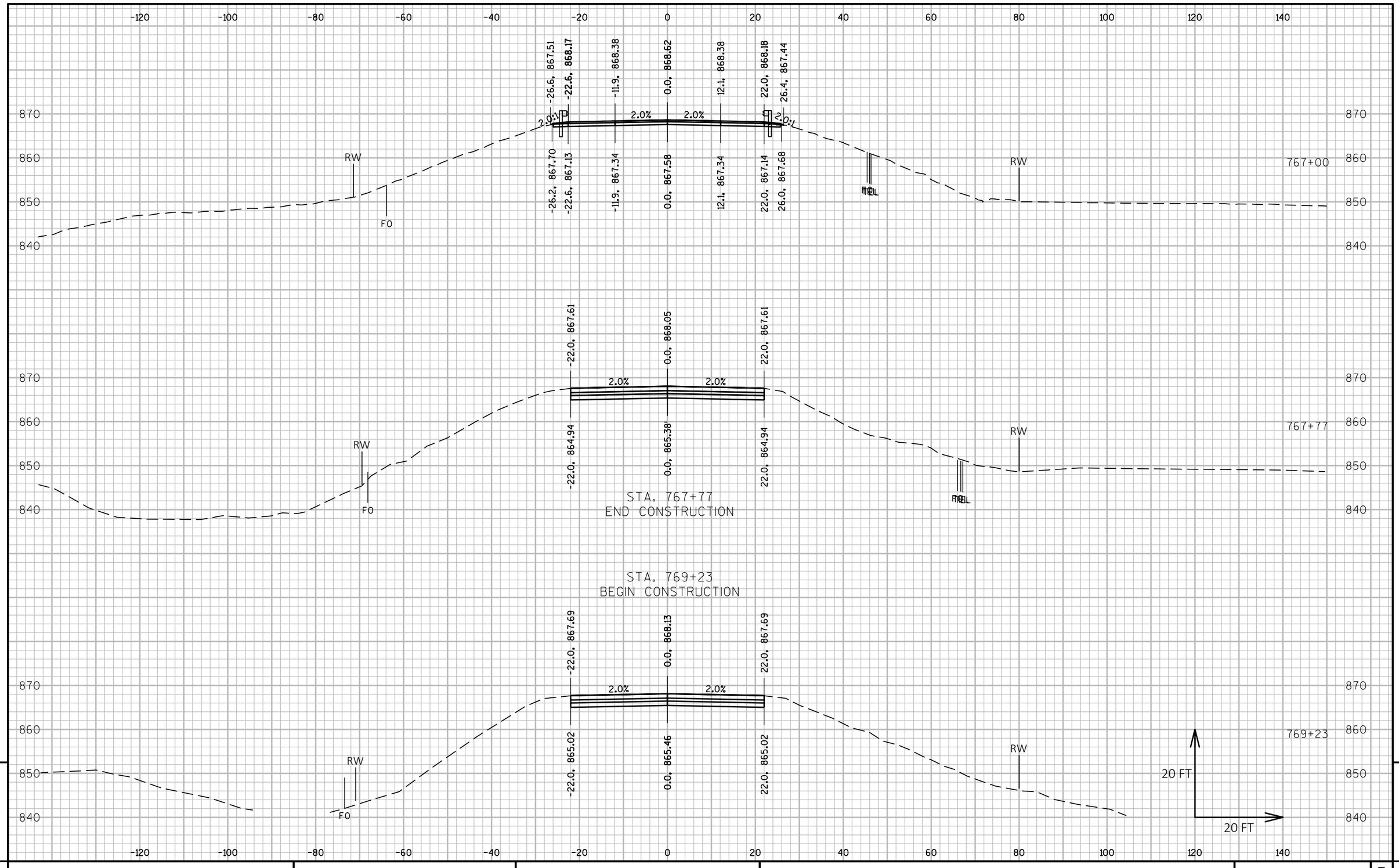
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 94

PLOT DATE : 10/30/2019 4:41 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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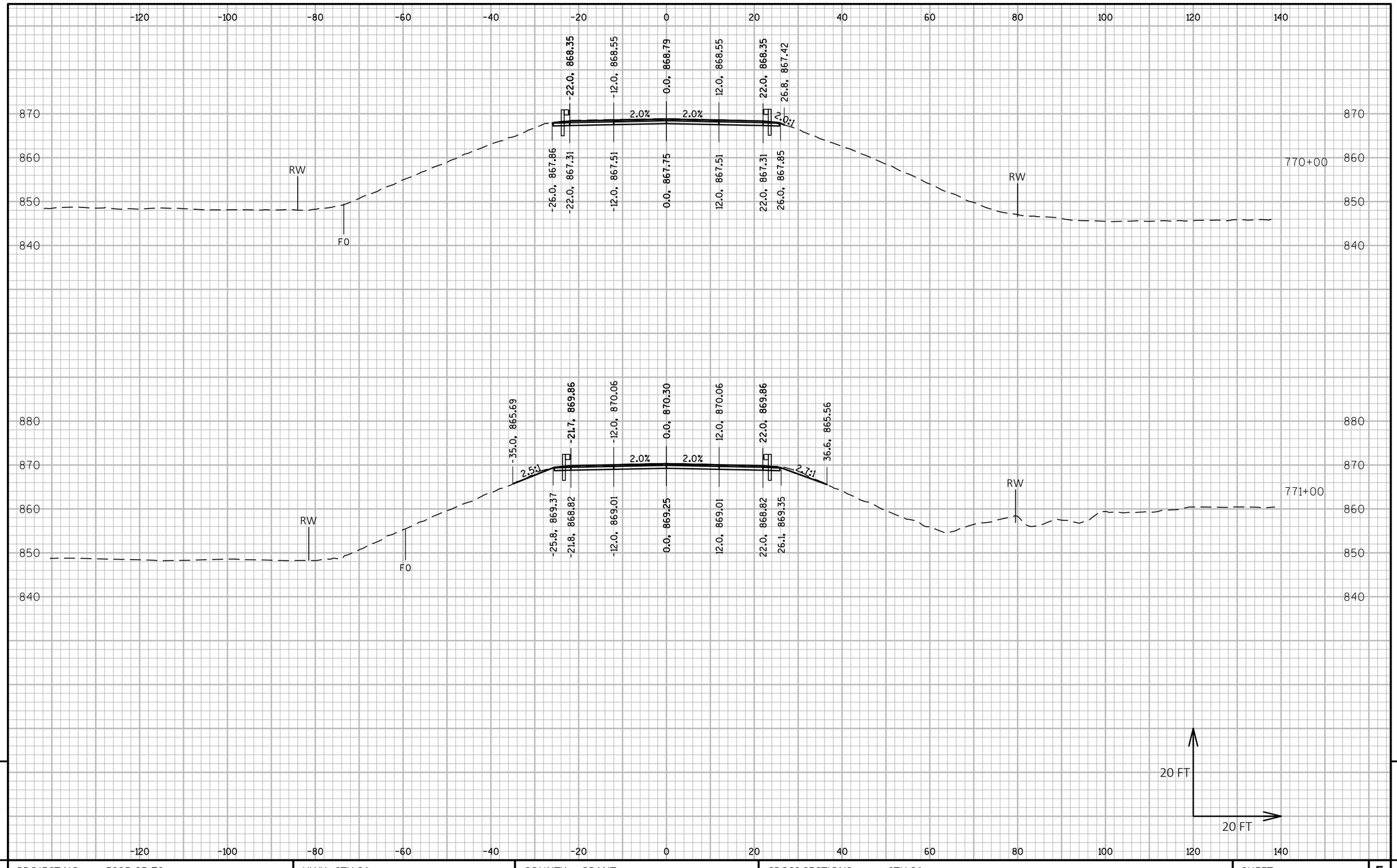
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 95

PLOT DATE : 10/30/2019 4:42 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

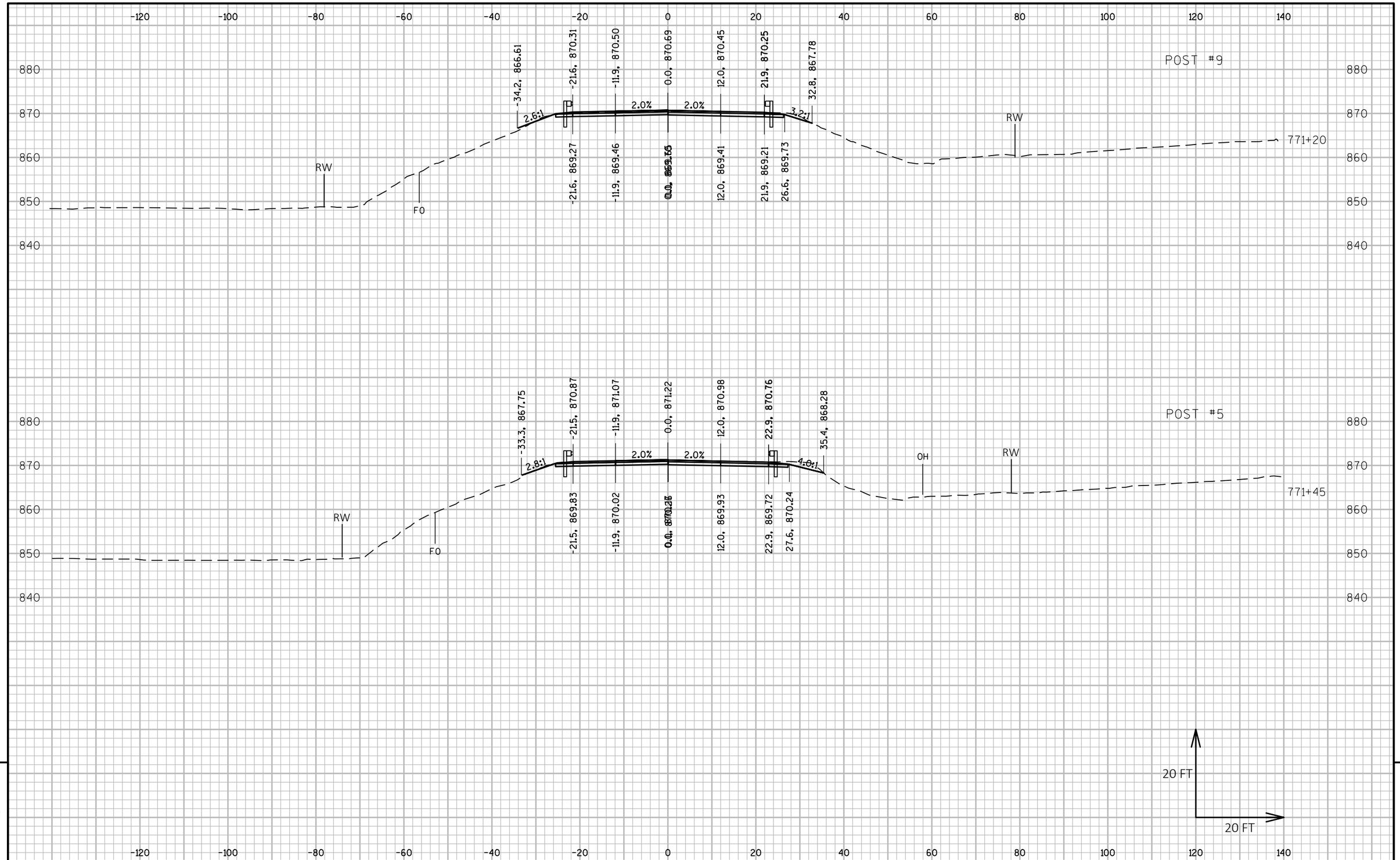
WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 96

PLOT DATE : 10/30/2019 4:43 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 97

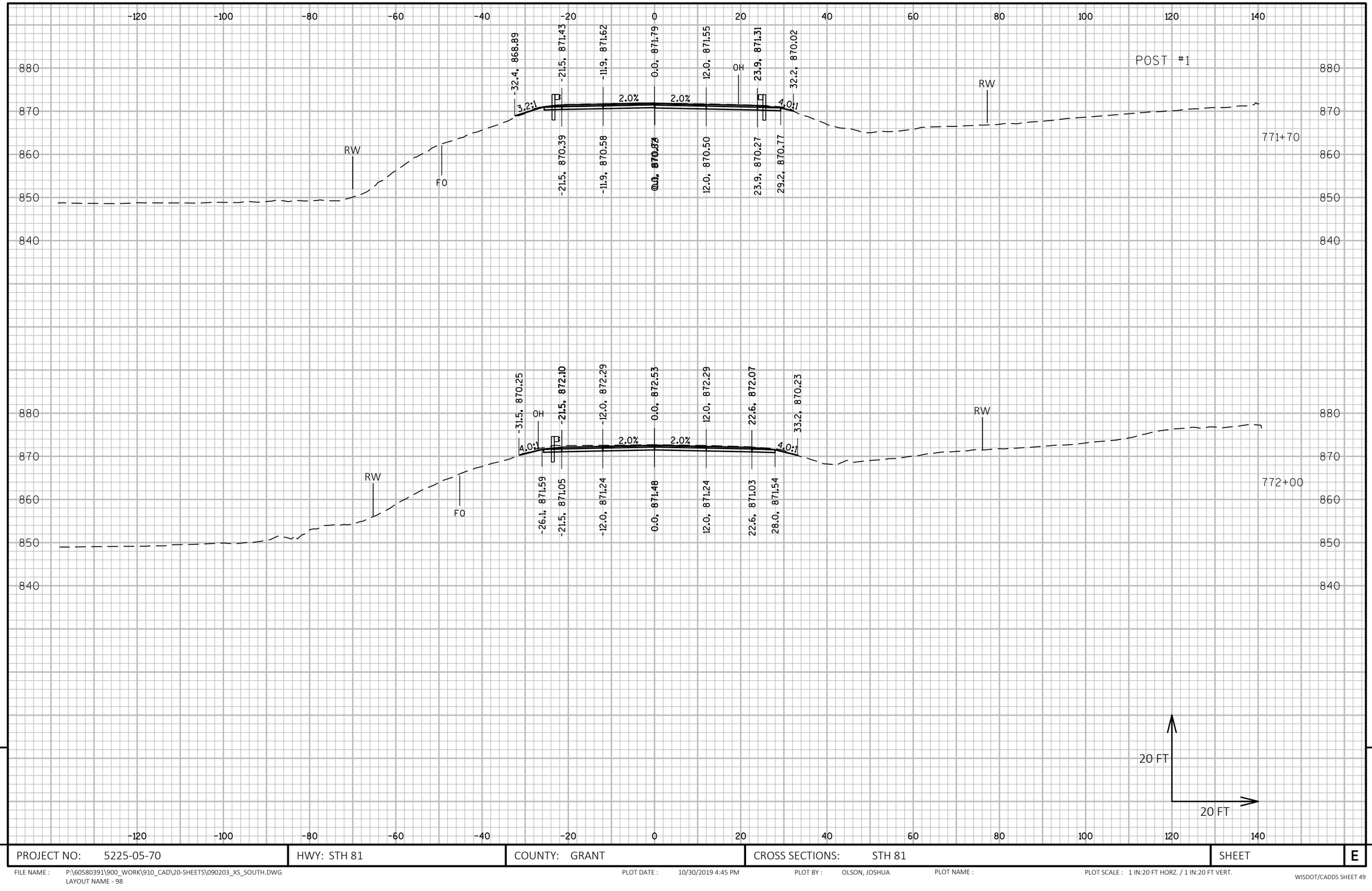
PLOT DATE : 10/31/2019 8:01 AM

PLOT BY : OLSON, JOSHUA

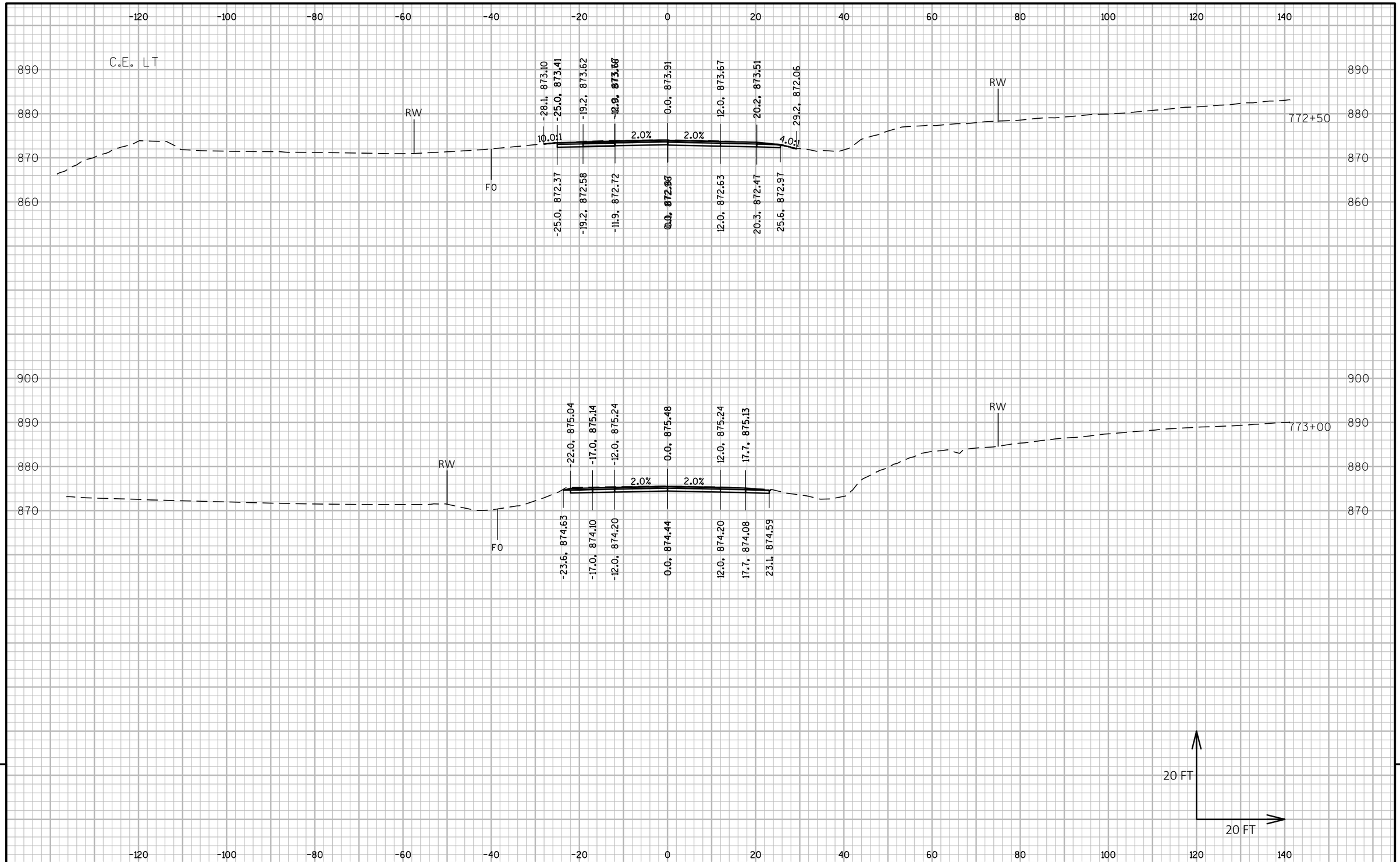
PLOT NAME :

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

WISDOT/CADDS SHEET 49



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

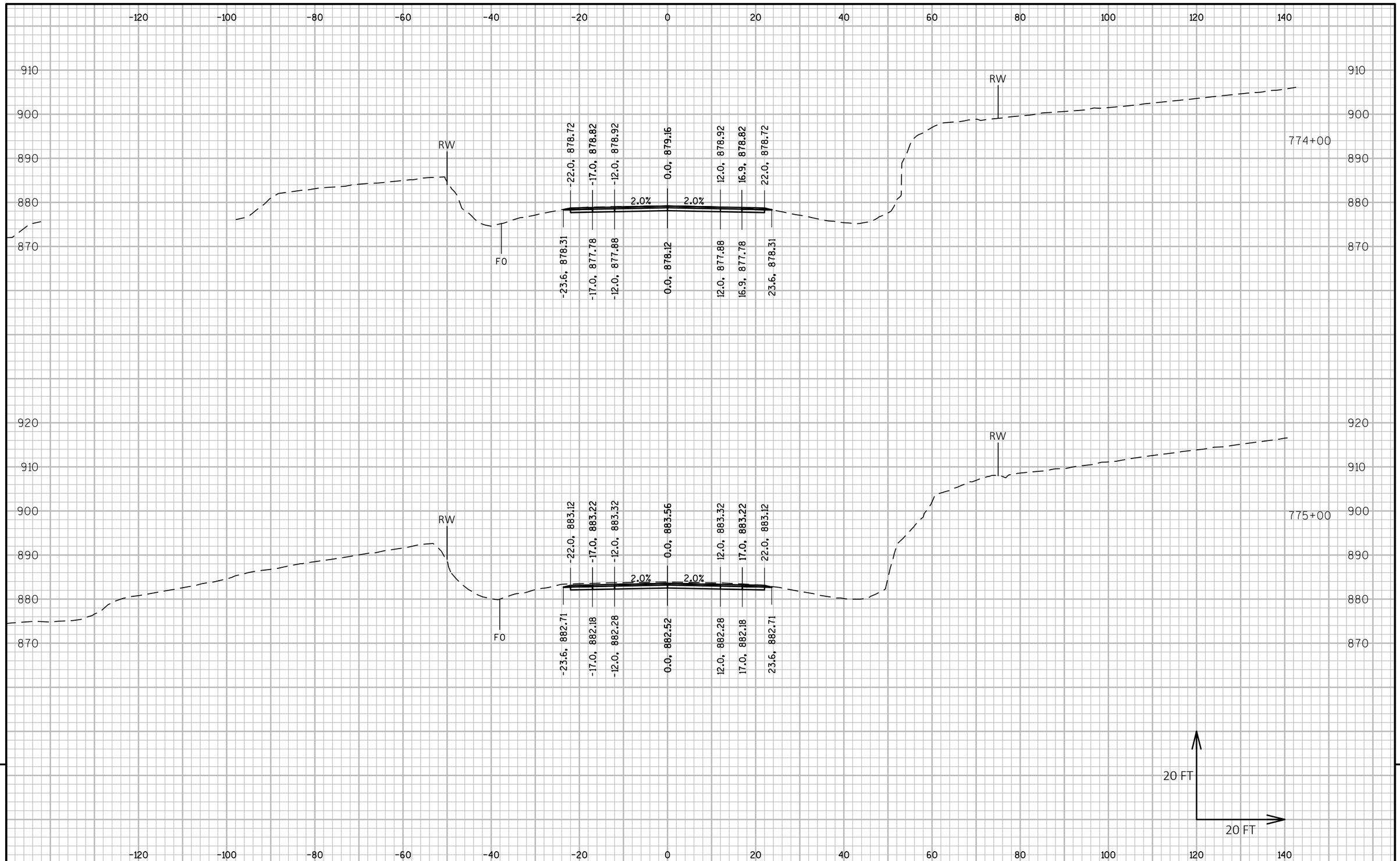


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 99

PLOT DATE : 10/30/2019 4:46 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



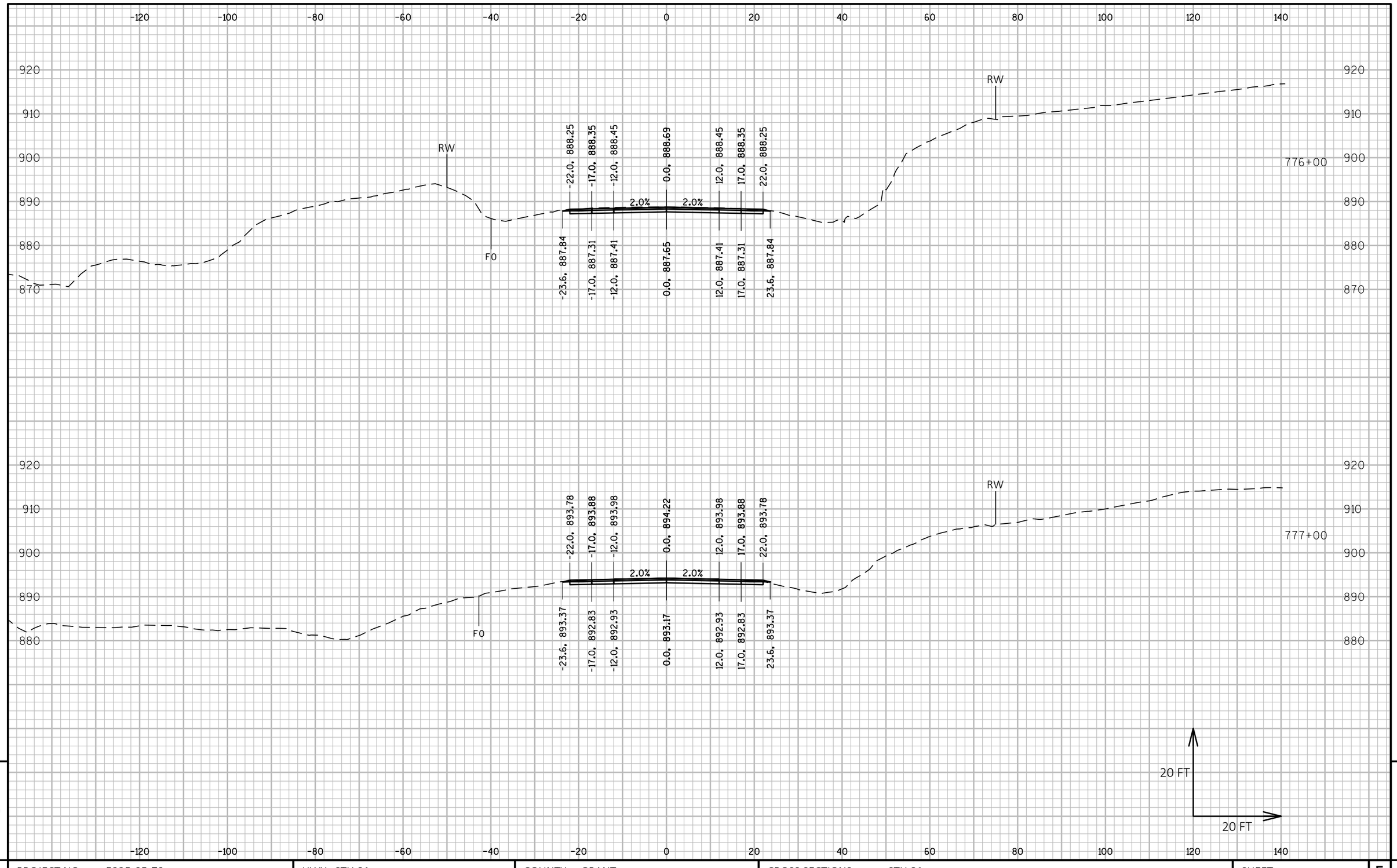
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 100

PLOT DATE : 10/30/2019 4:47 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 101

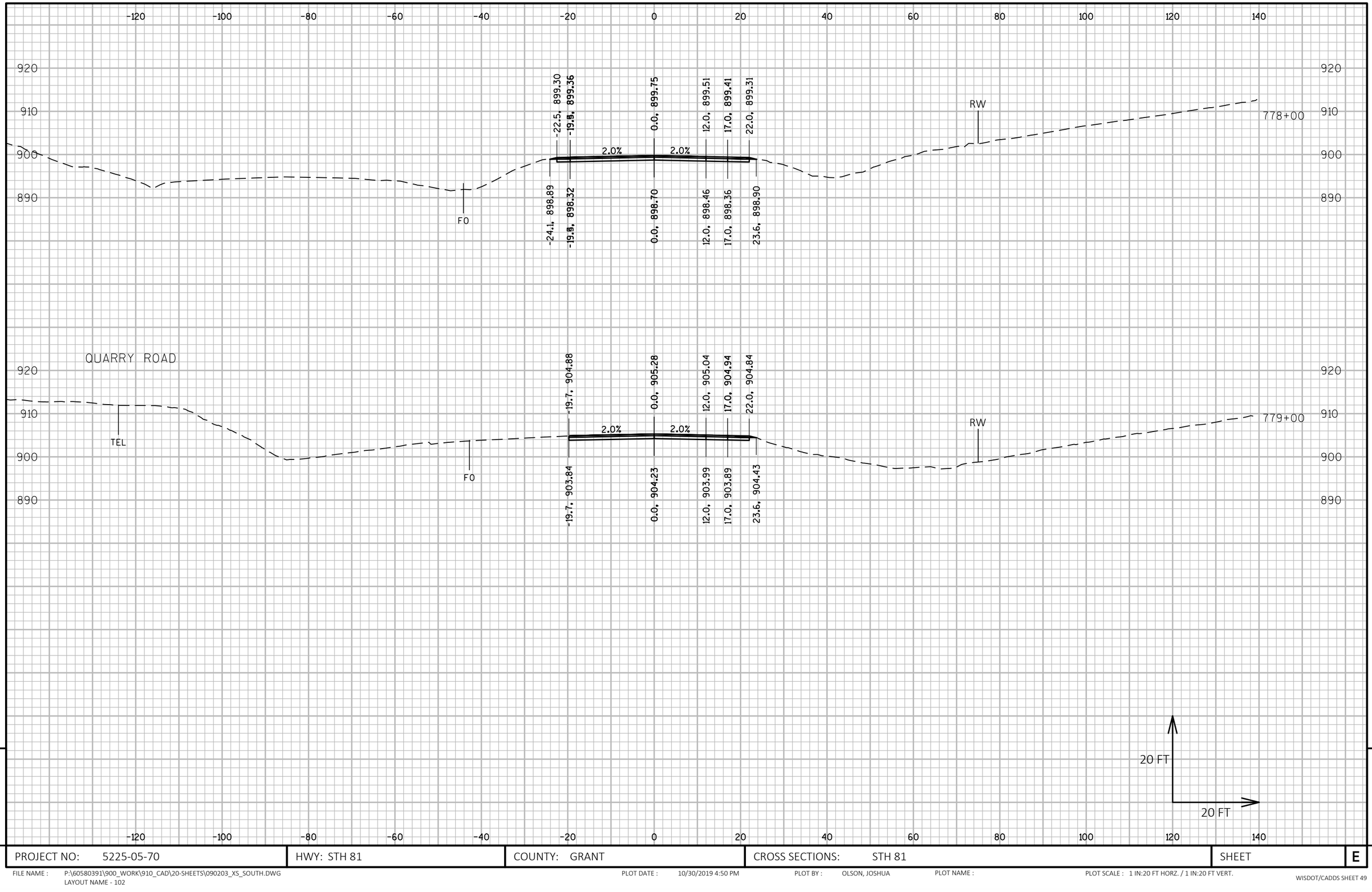
PLOT DATE : 10/30/2019 4:49 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 102

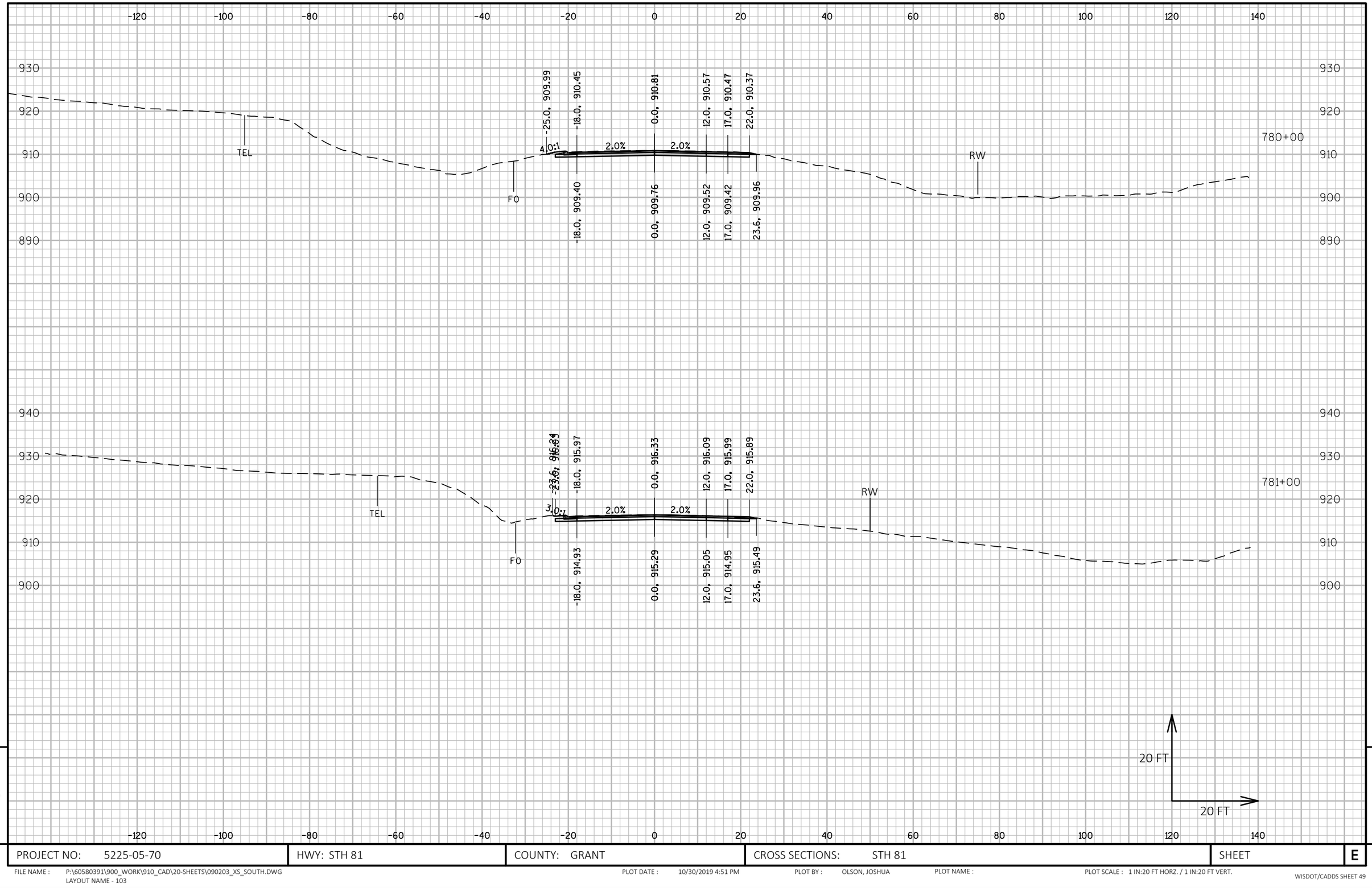
PLOT DATE : 10/30/2019 4:50 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

WISDOT/CADDS SHEET 49

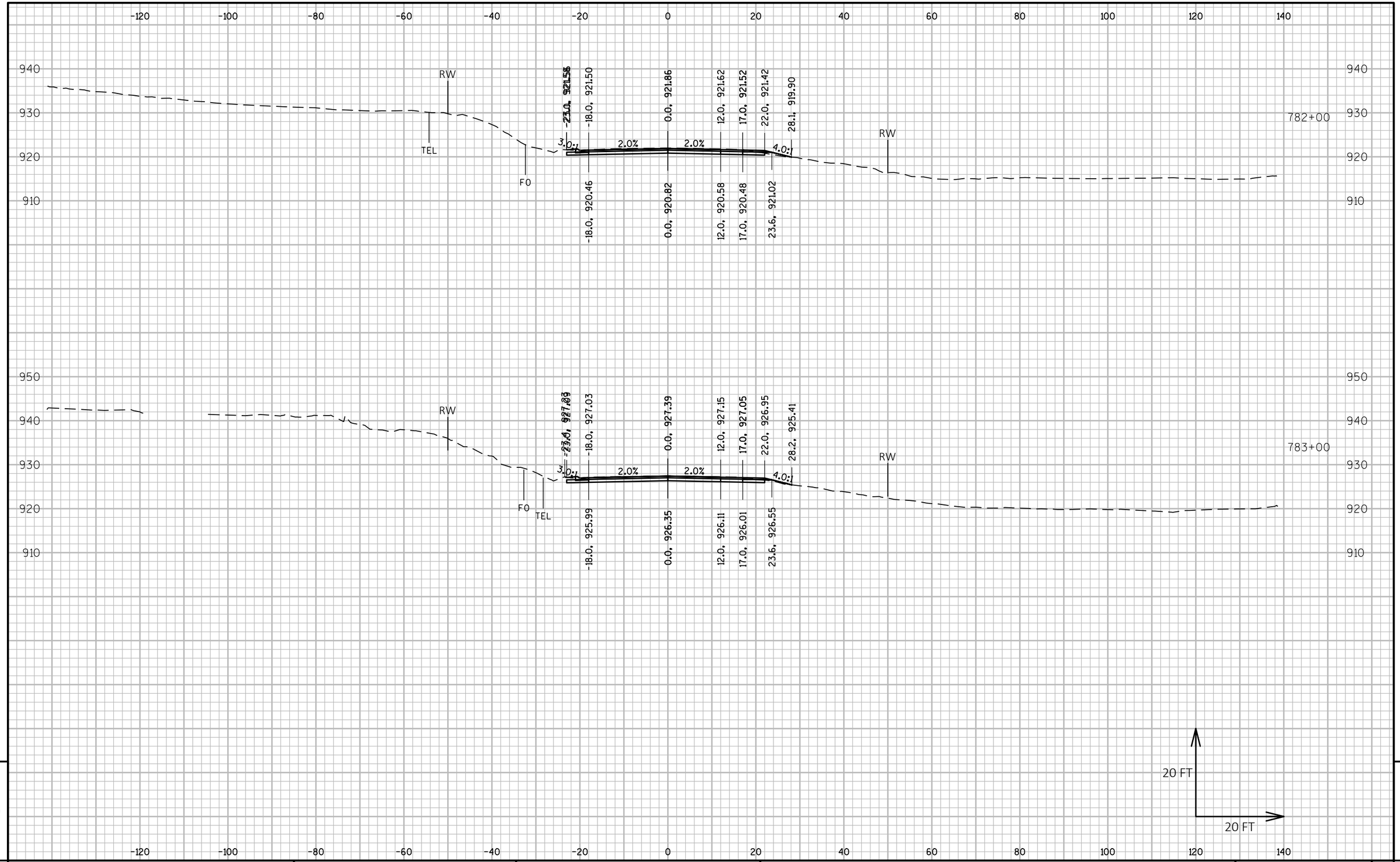


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 103

PLOT DATE : 10/30/2019 4:51 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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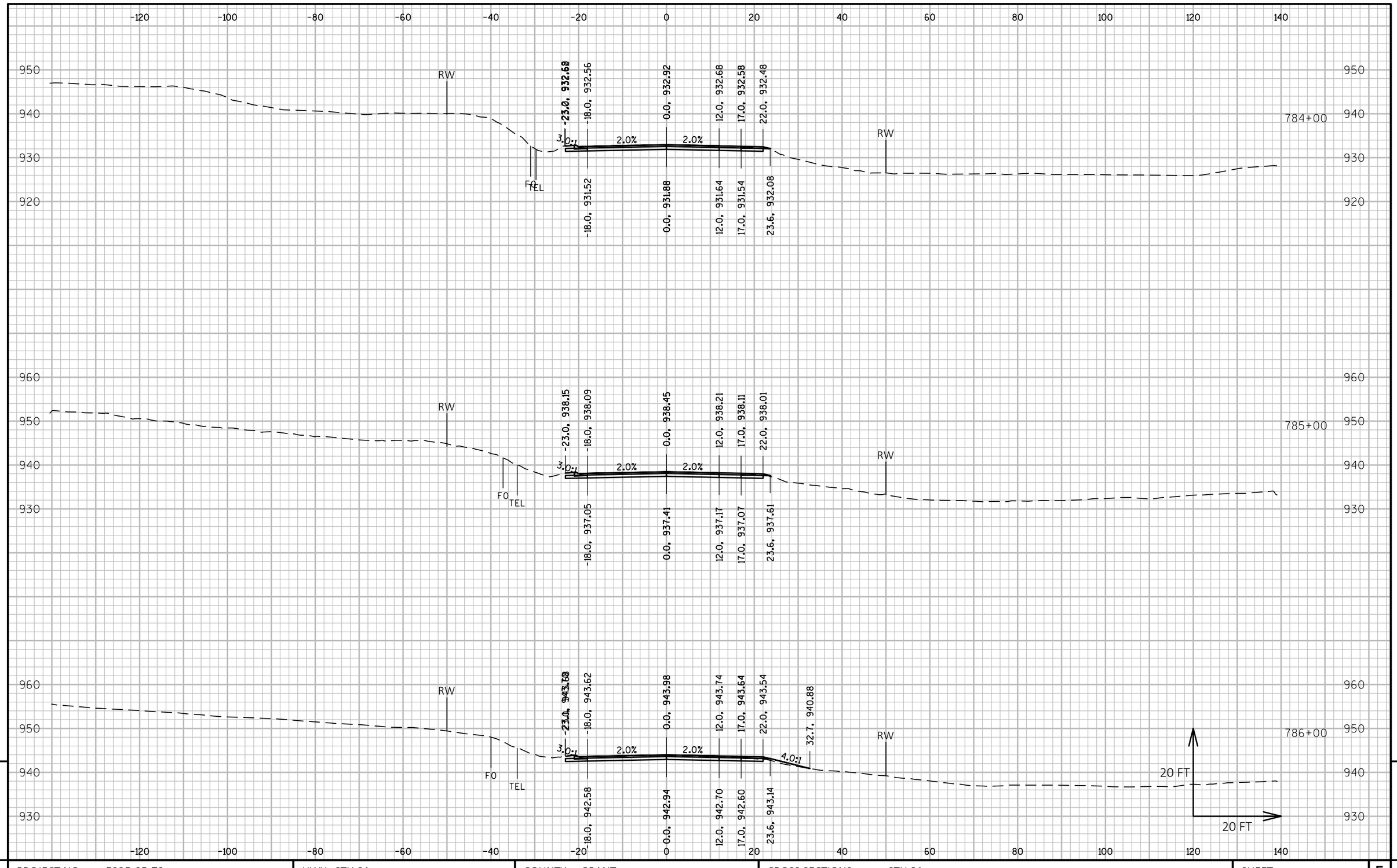
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 104

PLOT DATE : 10/30/2019 4:52 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

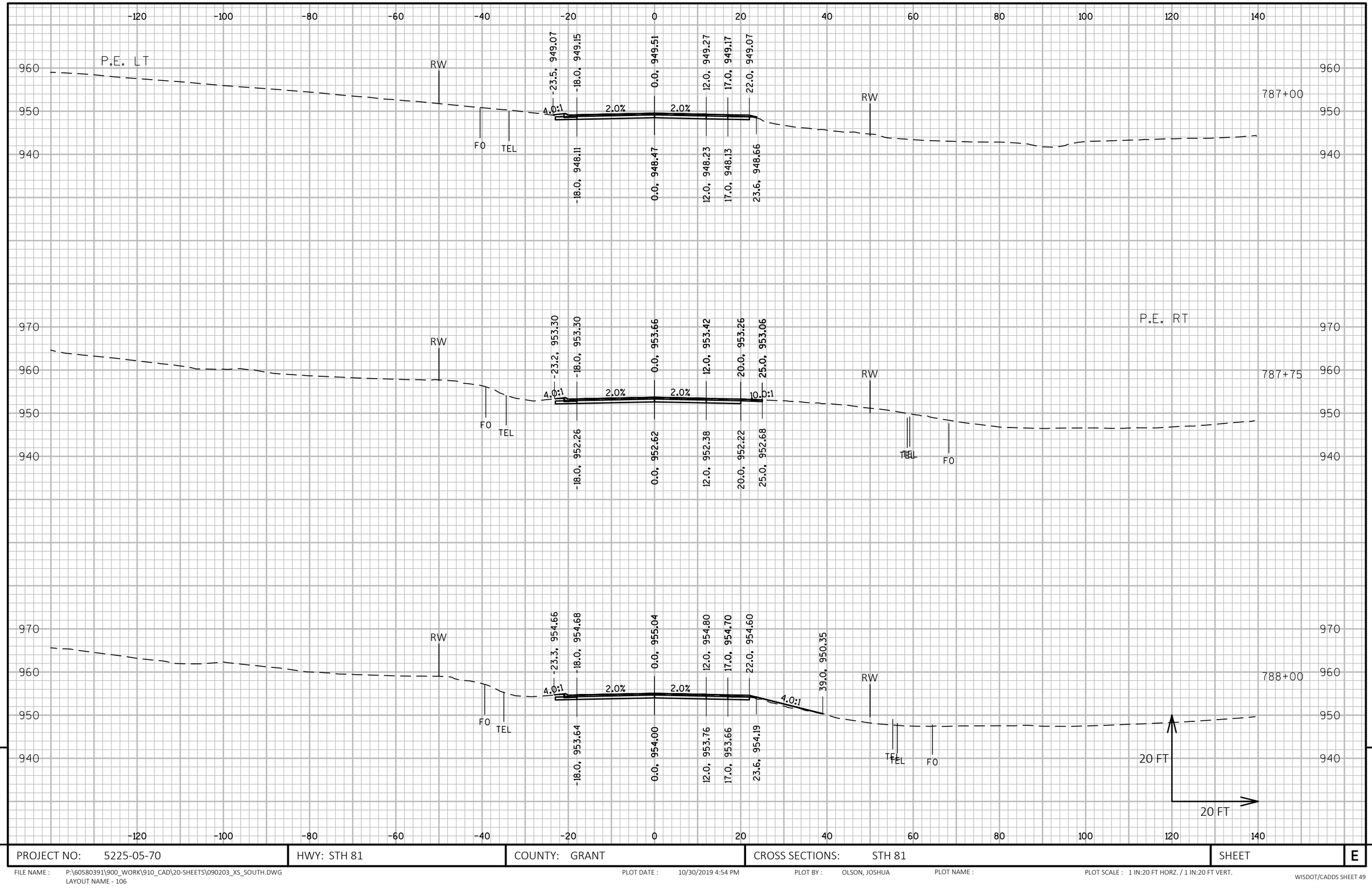


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 105

PLOT DATE : 10/30/2019 4:53 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

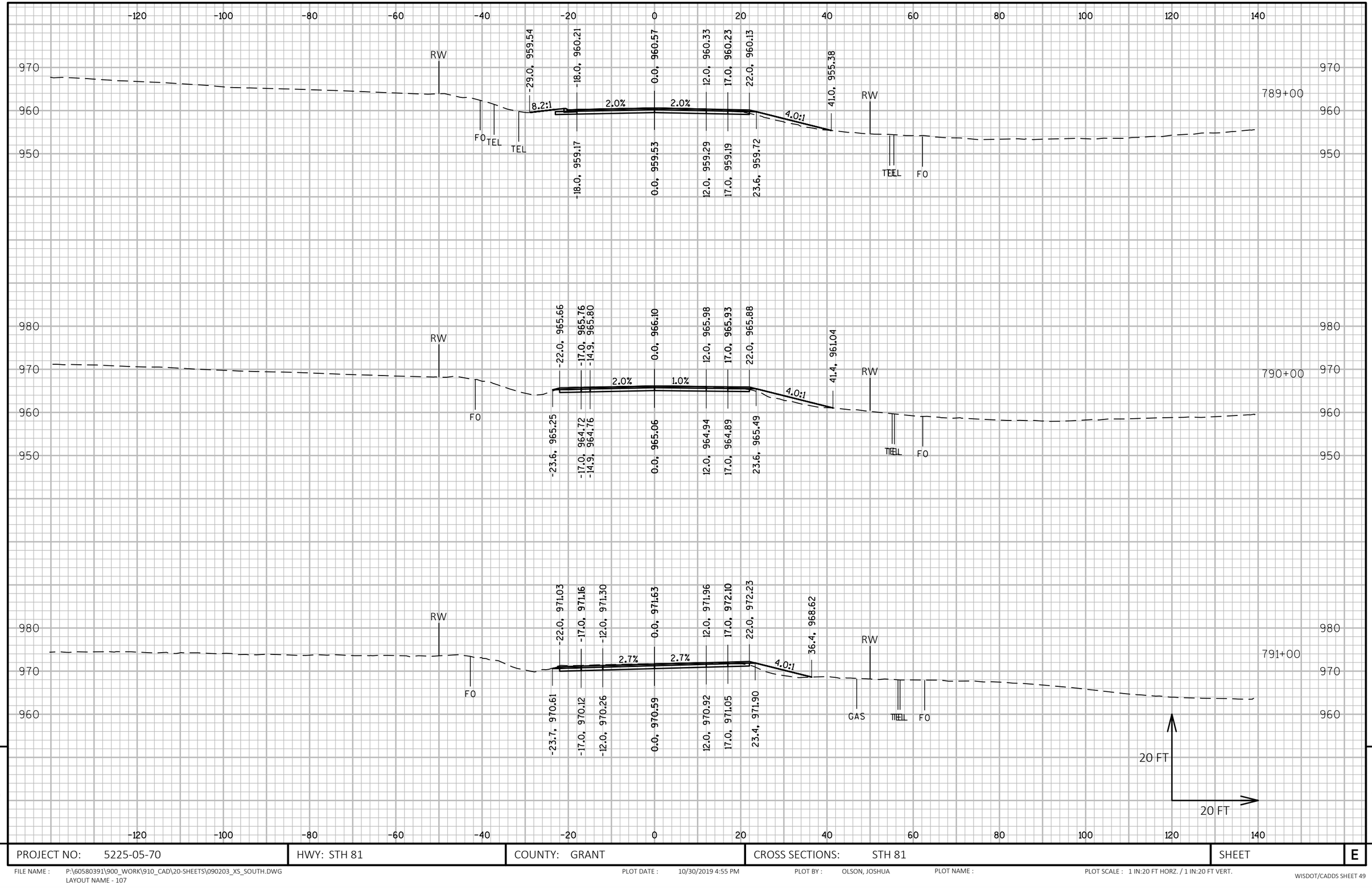
WISDOT/CADDS SHEET 49



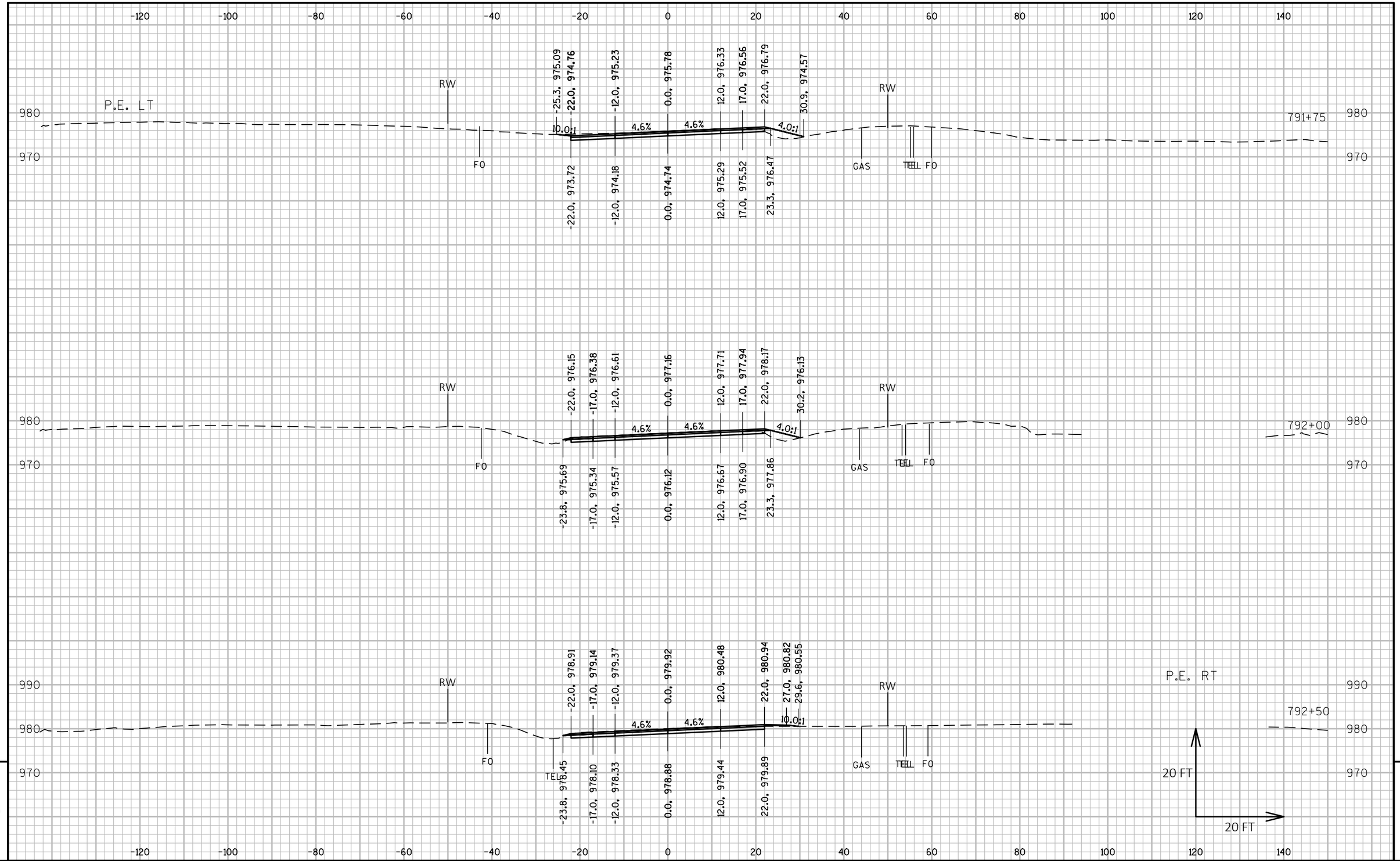
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 106

PLOT DATE : 10/30/2019 4:54 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

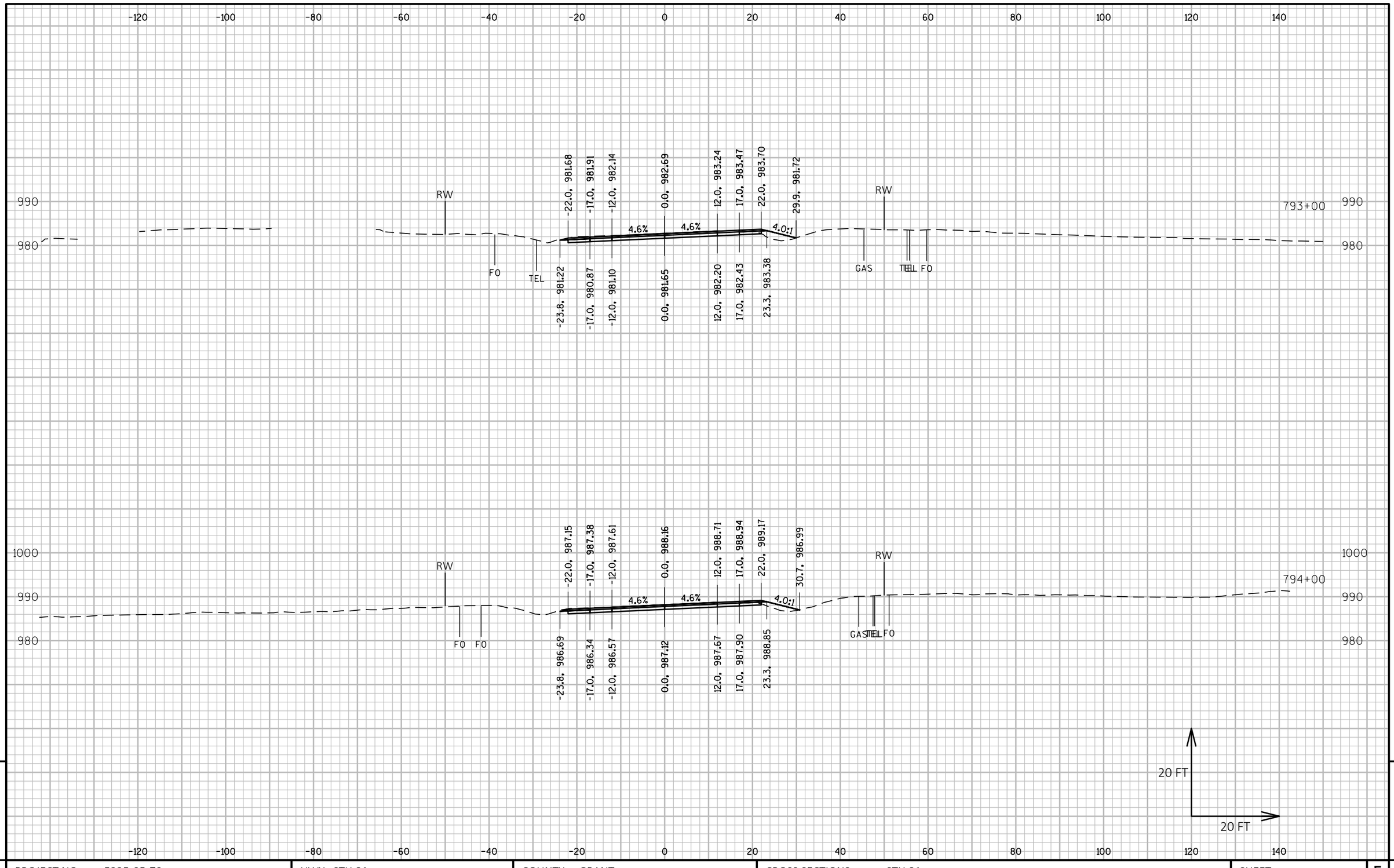


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 108

PLOT DATE : 10/30/2019 4:57 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

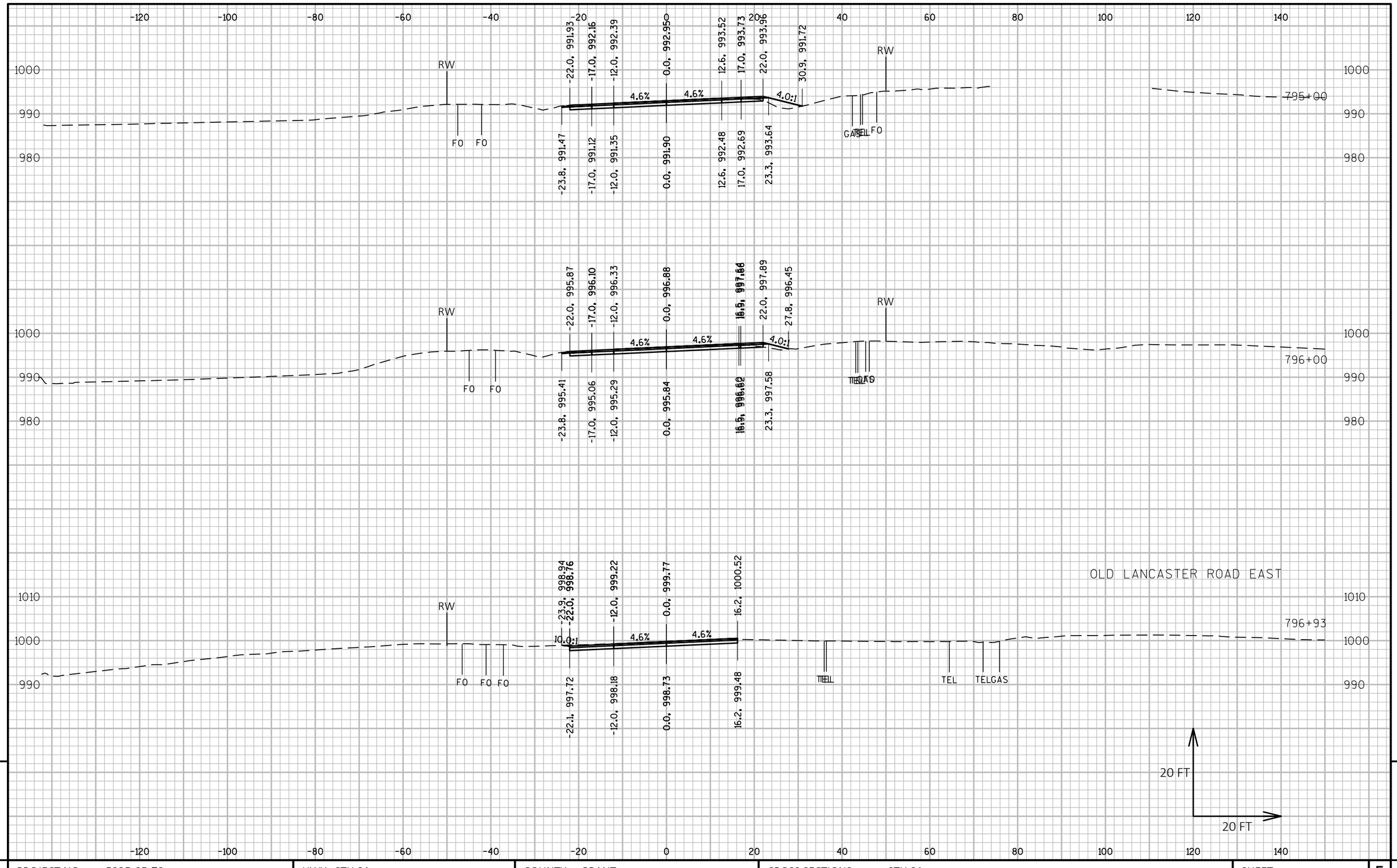
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 109

PLOT DATE : 10/30/2019 4:58 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

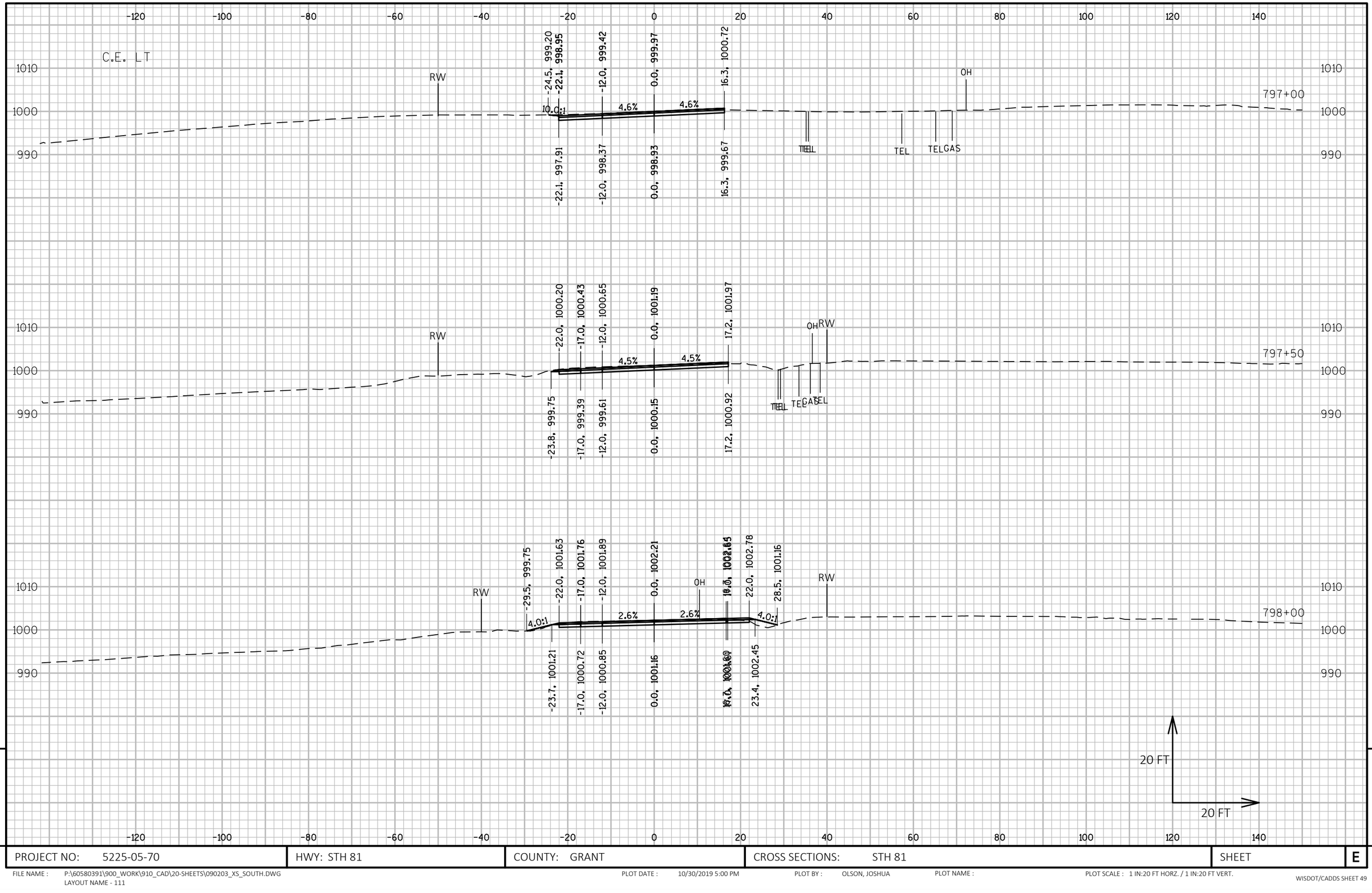
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 110

PLOT DATE : 10/30/2019 4:59 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 111

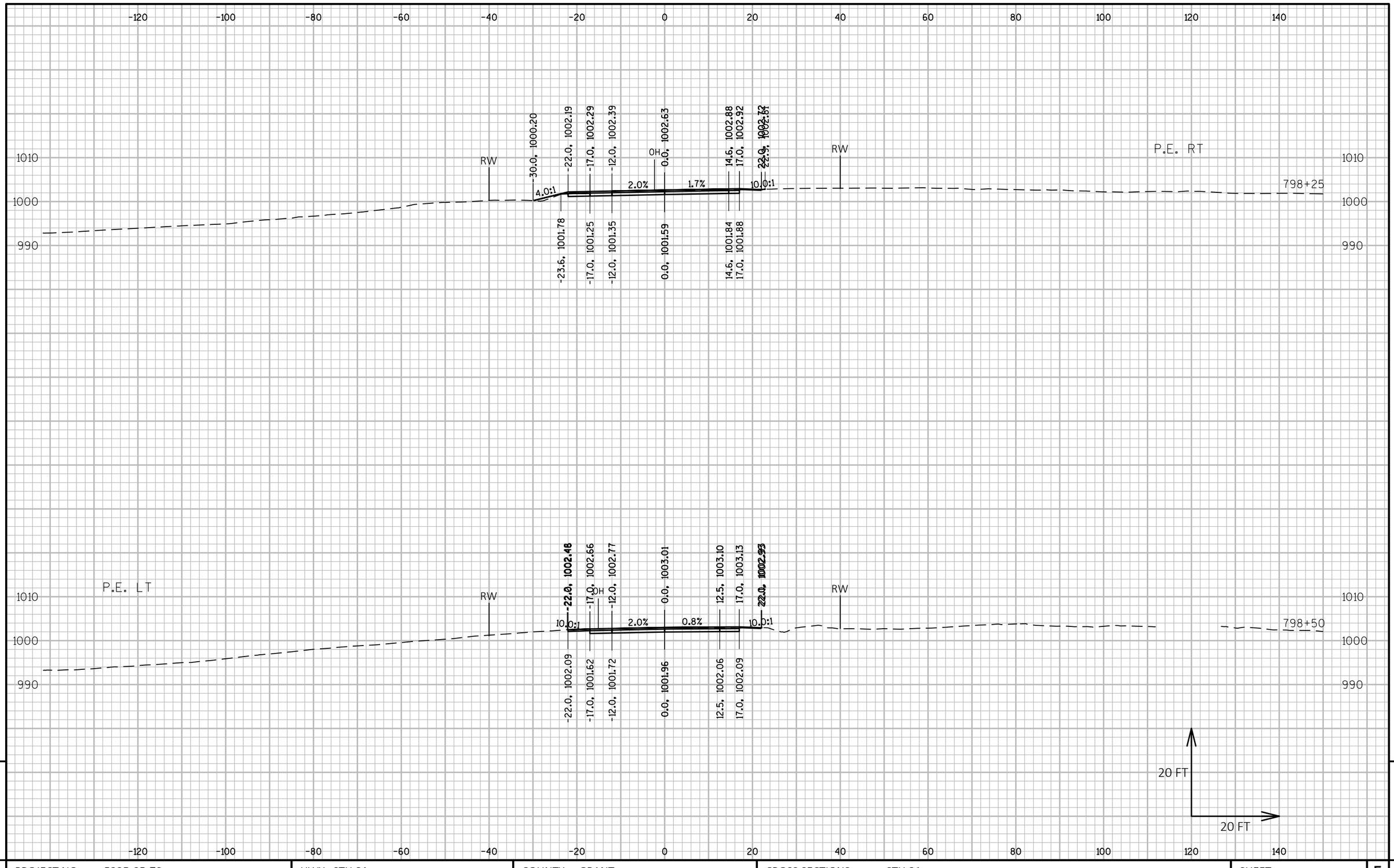
PLOT DATE : 10/30/2019 5:00 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

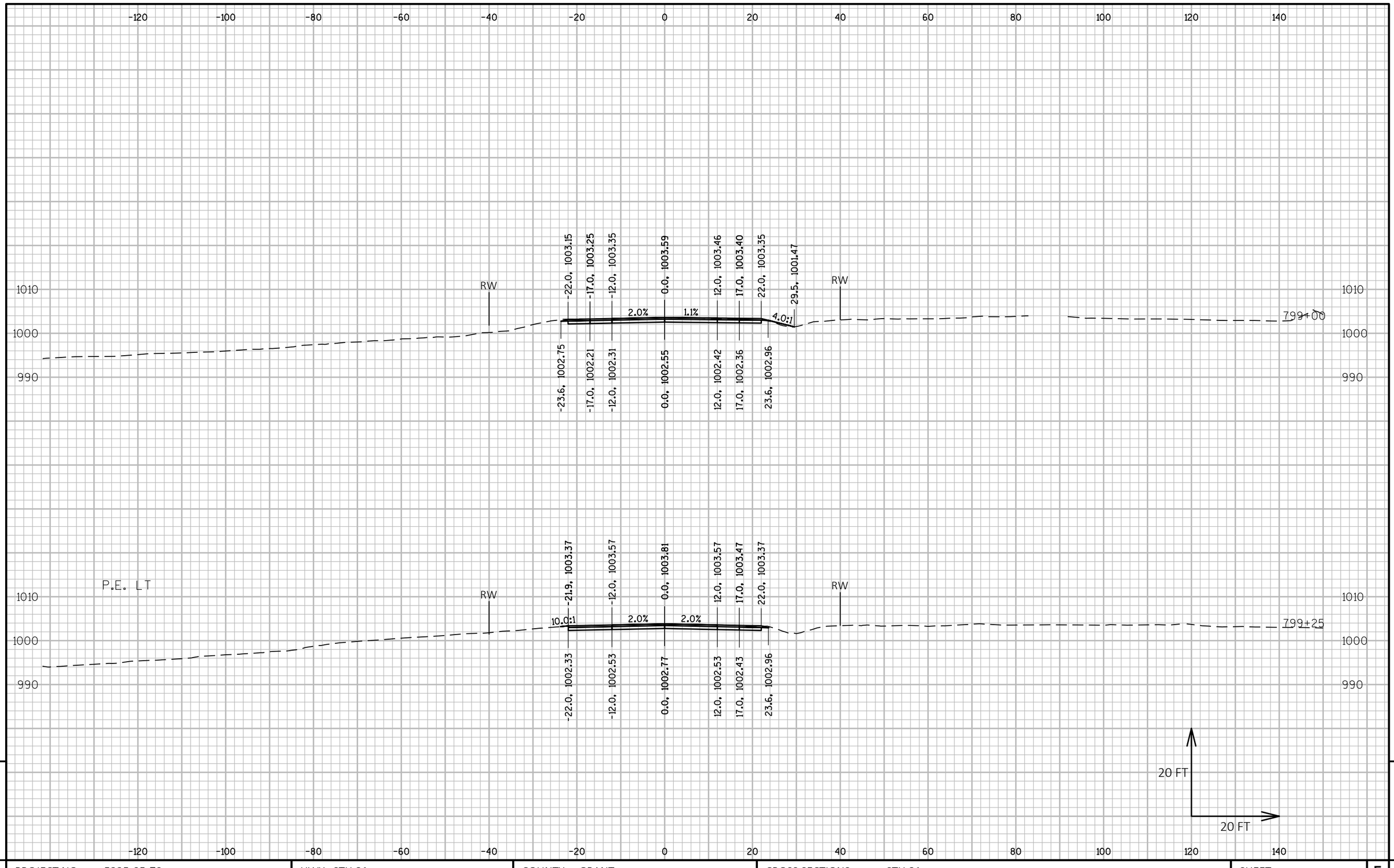
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 112

PLOT DATE : 10/30/2019 5:01 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

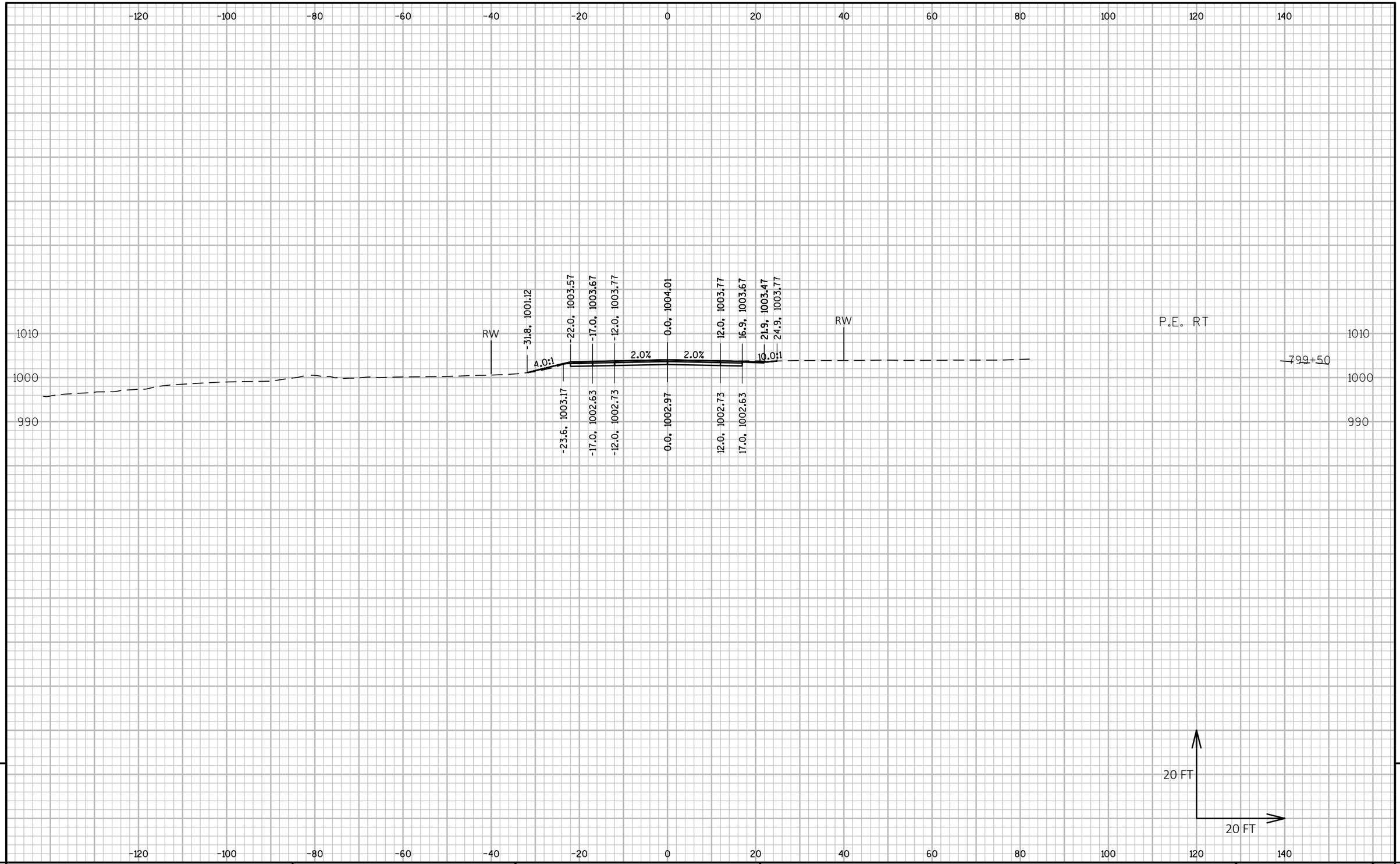
FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 113

PLOT DATE : 10/30/2019 5:02 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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



9

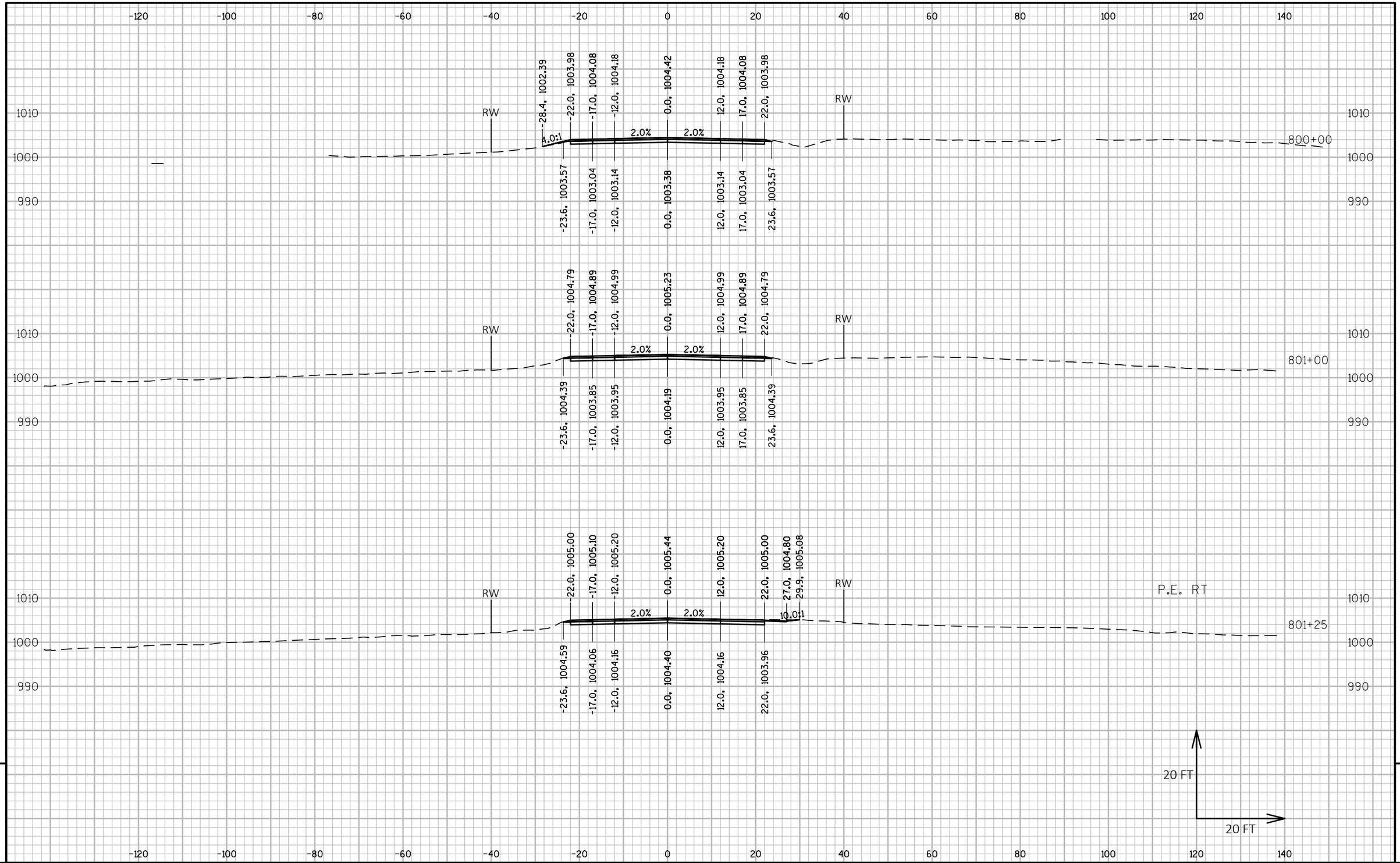
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 114

PLOT DATE : 10/30/2019 5:03 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



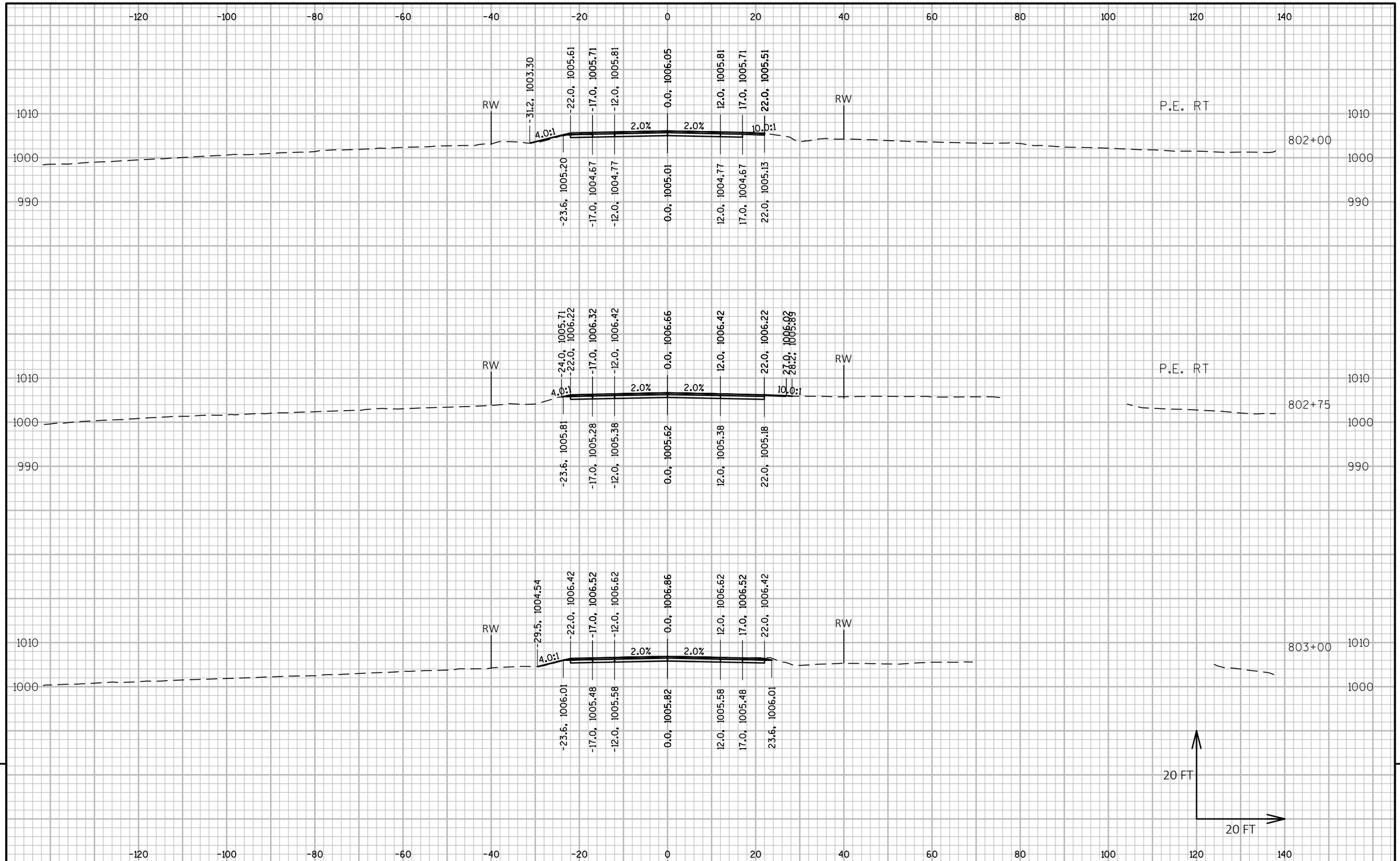
9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 115

PLOT DATE : 10/30/2019 5:04 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

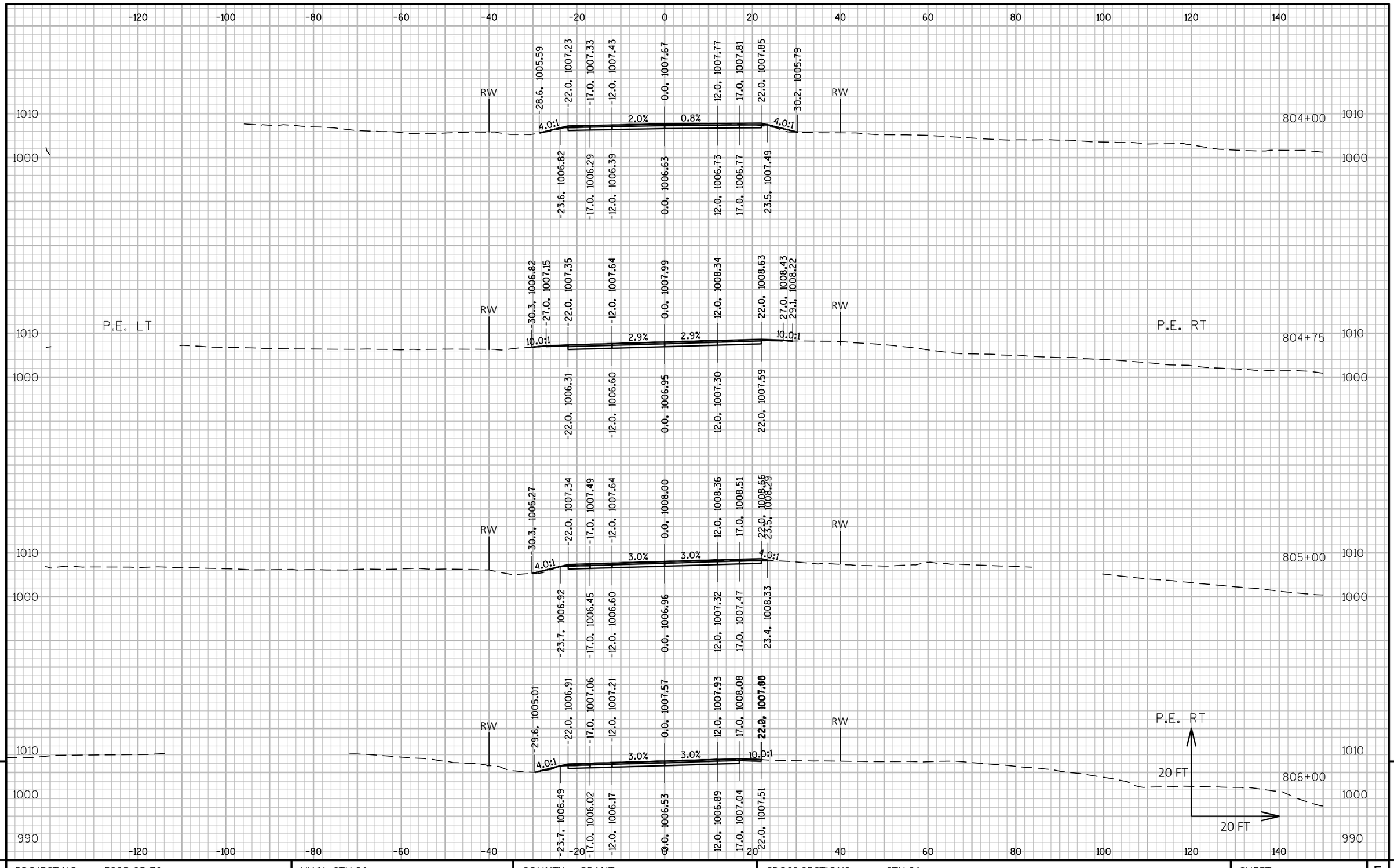
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 116

PLOT DATE : 10/30/2019 5:05 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 117

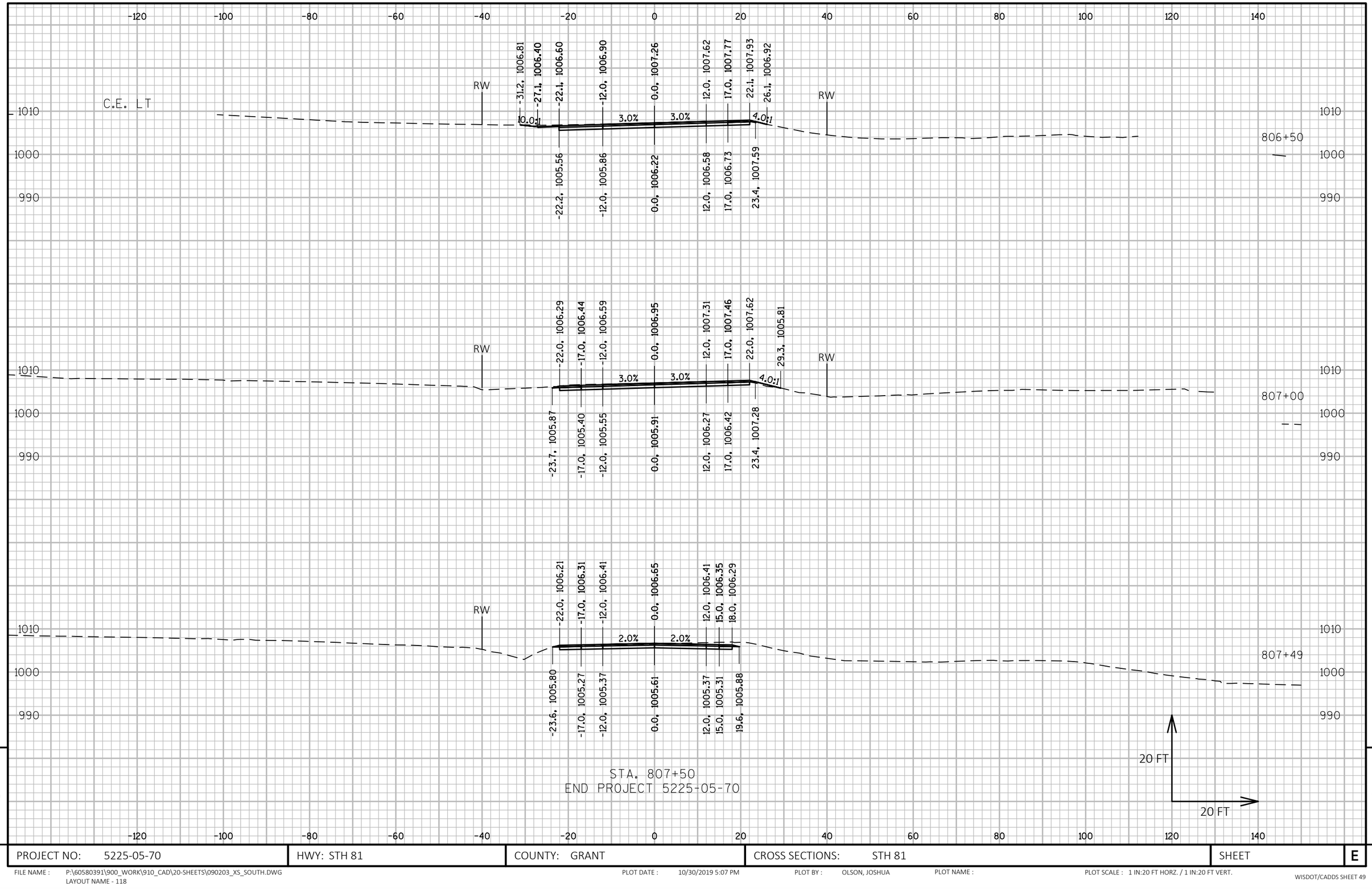
PLOT DATE : 10/30/2019 5:06 PM

PLOT BY : OLSON, JOSHUA

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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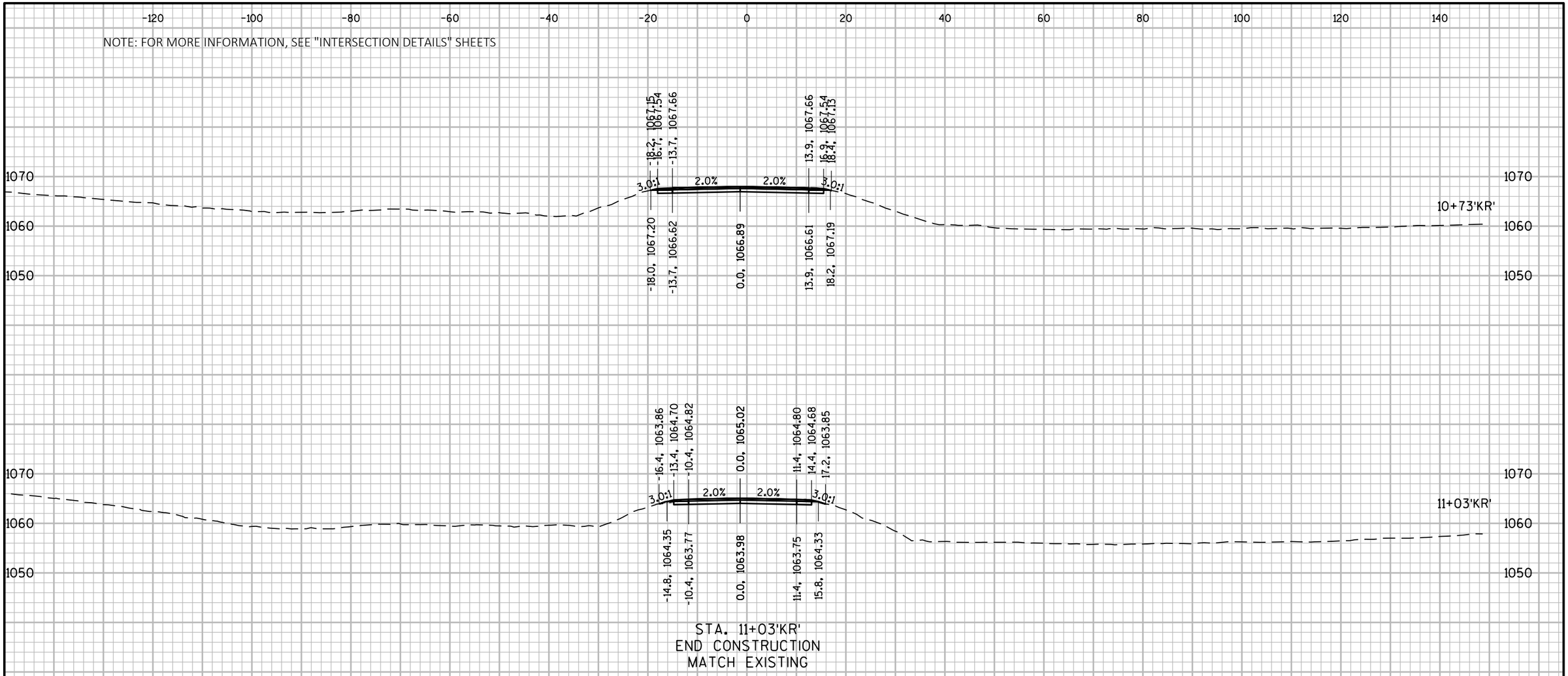
9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: STH 81	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090203_XS_SOUTH.DWG
LAYOUT NAME - 118

PLOT DATE : 10/30/2019 5:07 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



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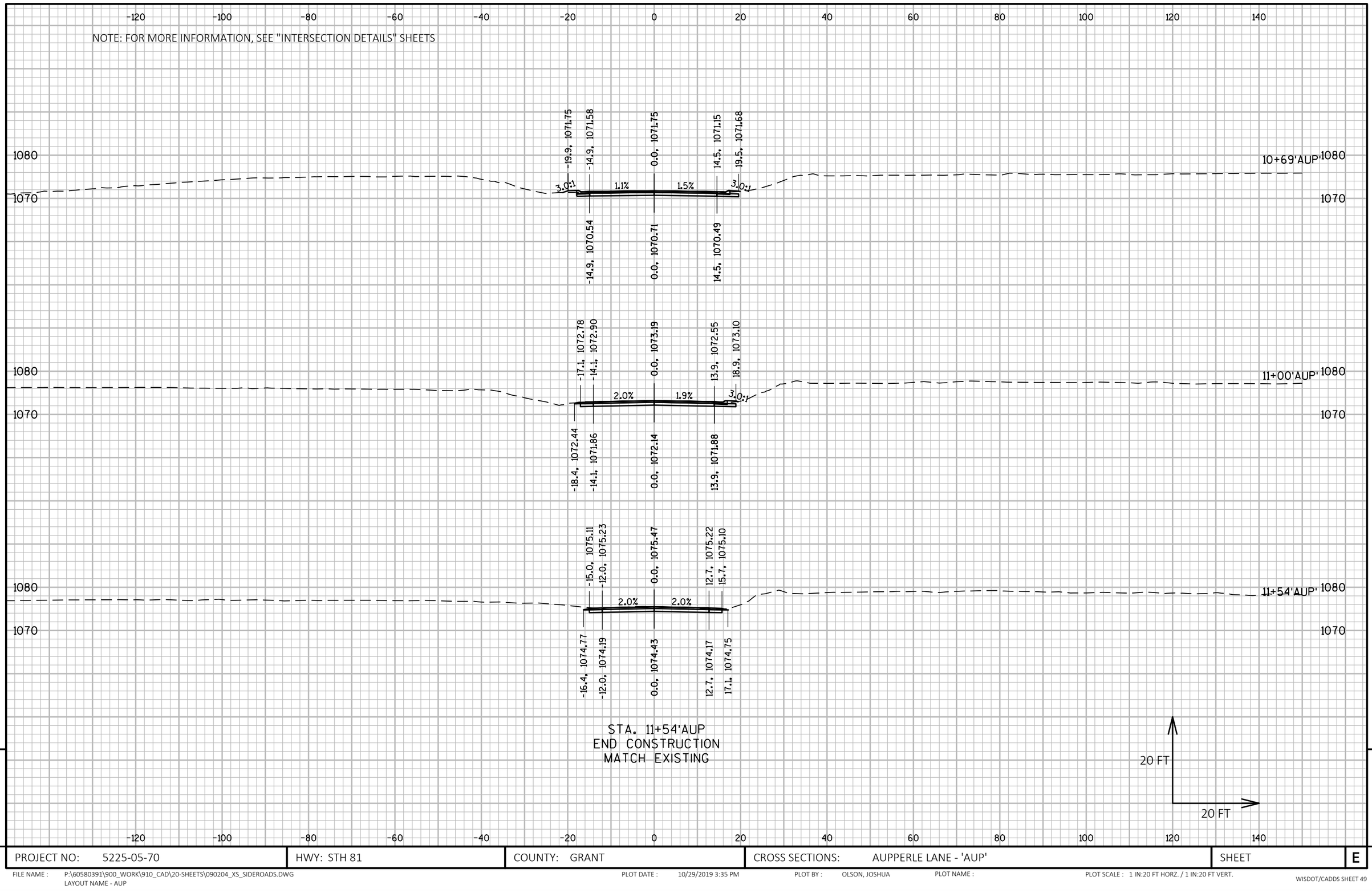
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: KINGSFORD RD - 'KR'	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090204_XS_SIDEROADS.DWG
LAYOUT NAME - KR
PLOT DATE : 10/29/2019 3:34 PM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



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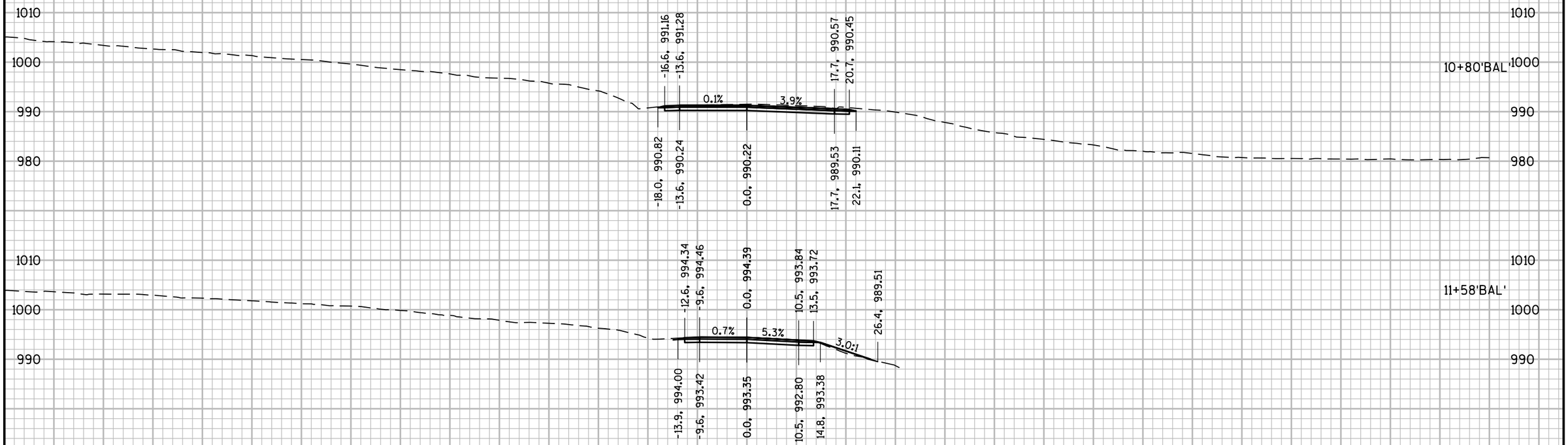
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: AUPPERLE LANE - 'AUP'	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090204_XS_SIDEROADS.DWG
LAYOUT NAME - AUP

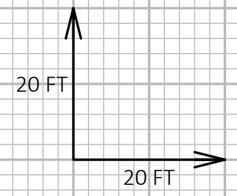
PLOT DATE : 10/29/2019 3:35 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



STA. 11+58'BAL'
END CONSTRUCTION
MATCH EXISTING



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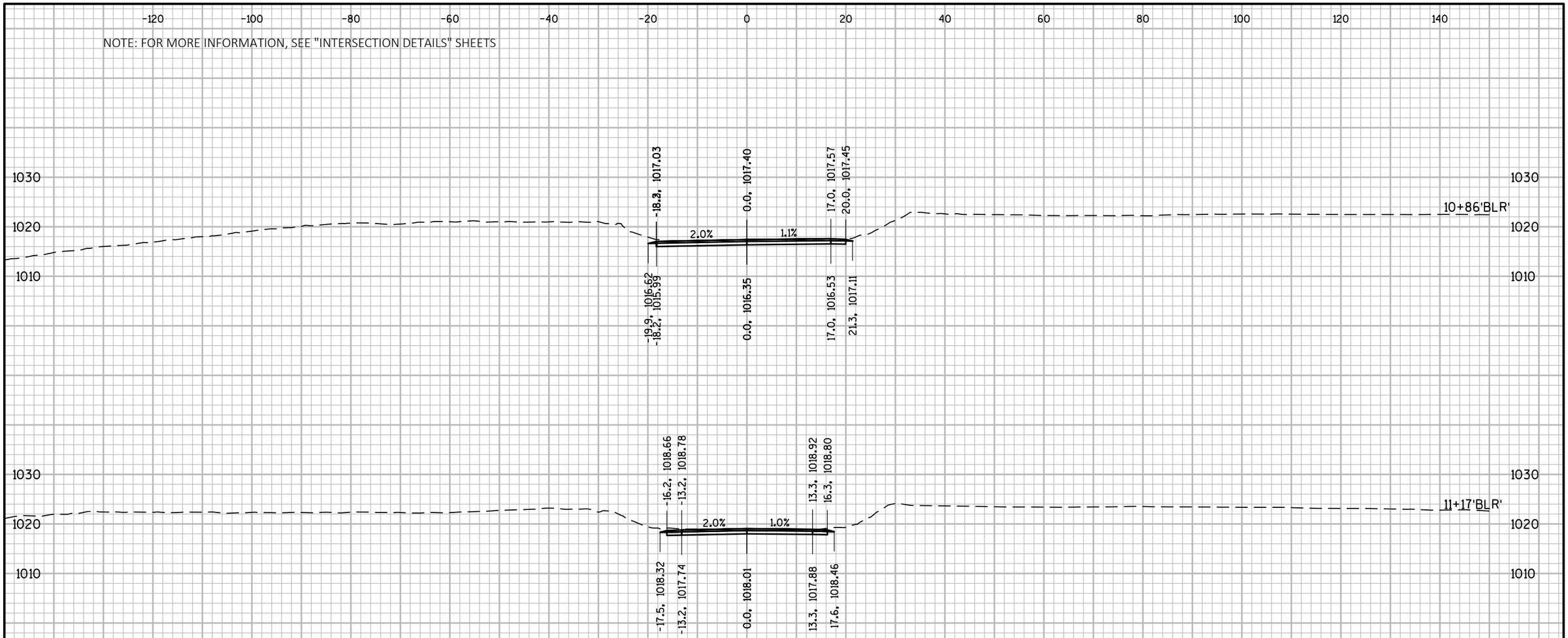
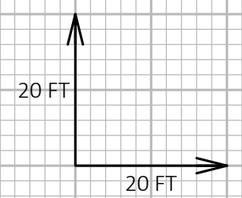
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: BAST LANE - 'BAL'	SHEET	E

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



STA. 11+17'BLR'
END CONSTRUCTION
MATCH EXISTING



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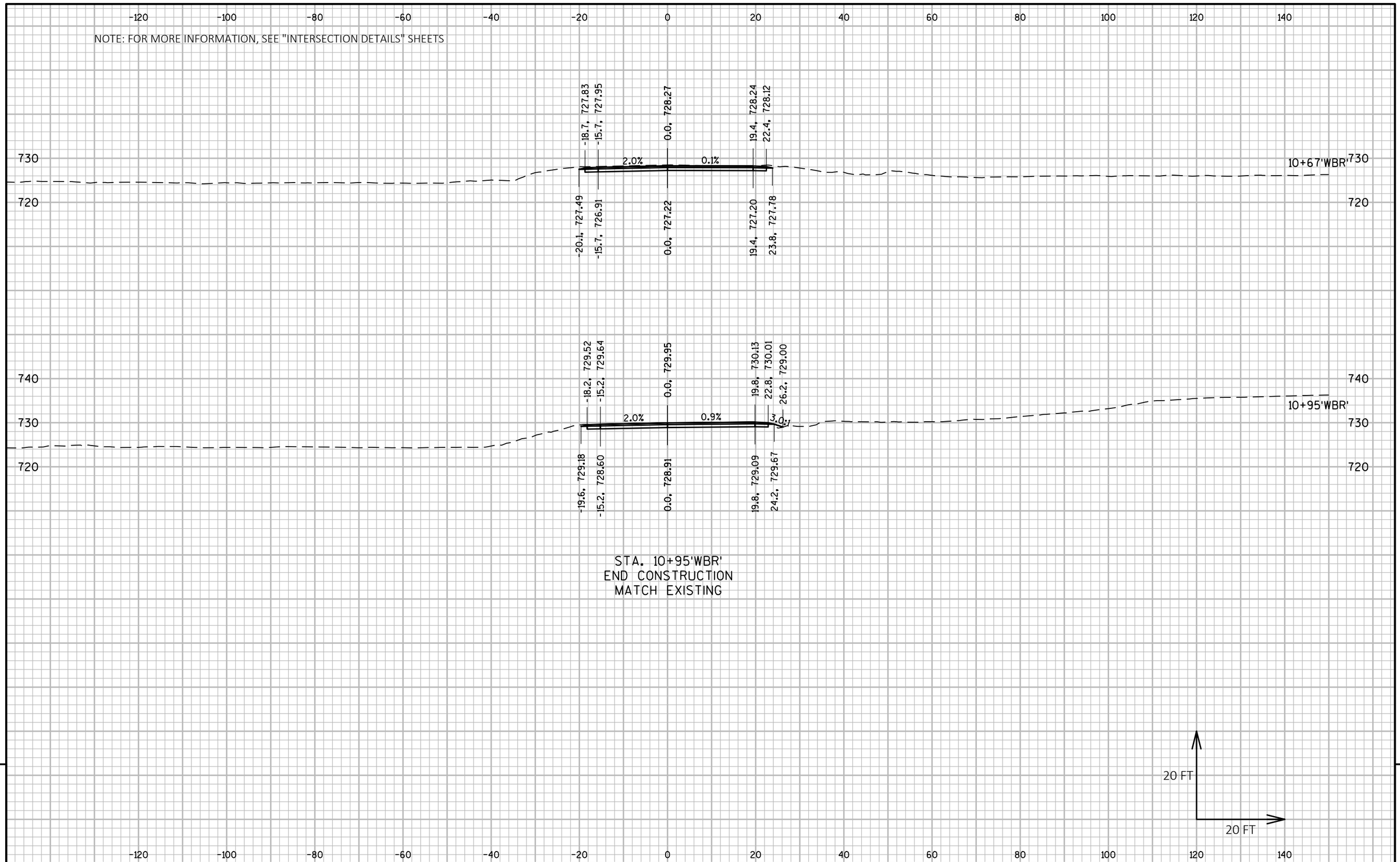
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: BLUFF ROAD - 'BLR'	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090204_XS_SIDEROADS.DWG
LAYOUT NAME - BLR

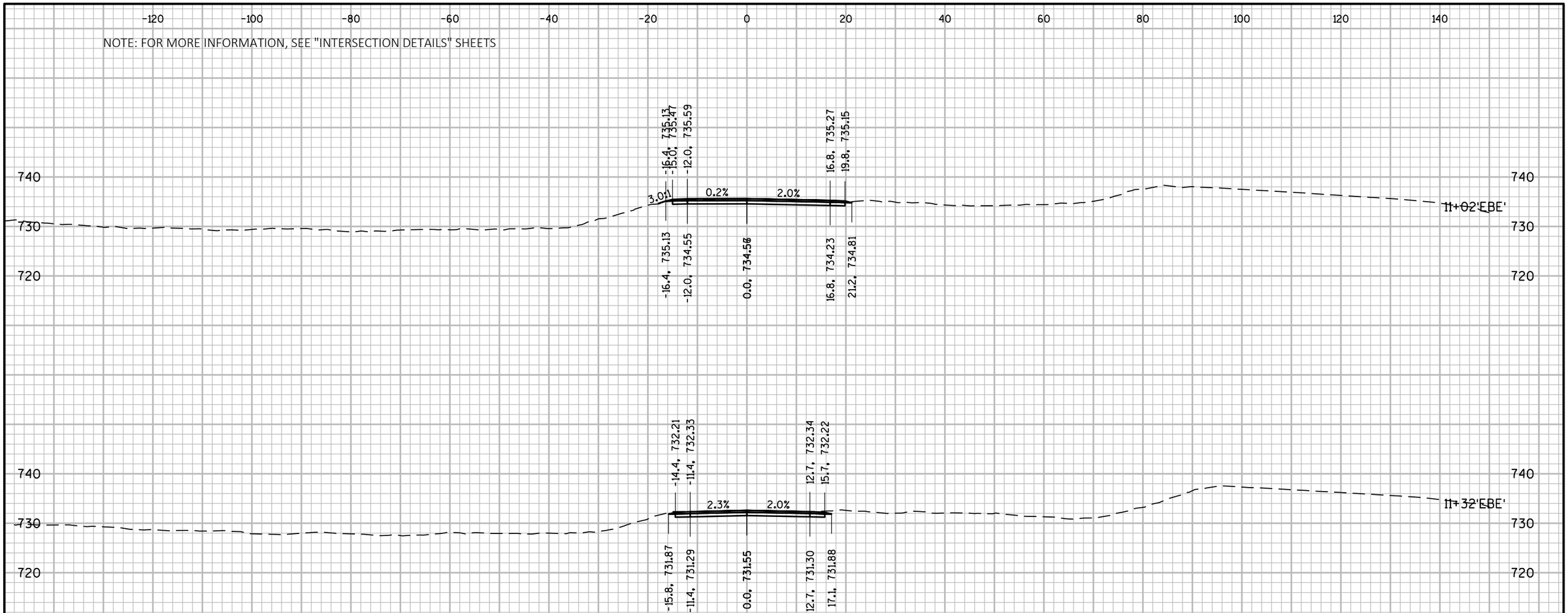
PLOT DATE : 10/29/2019 3:36 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



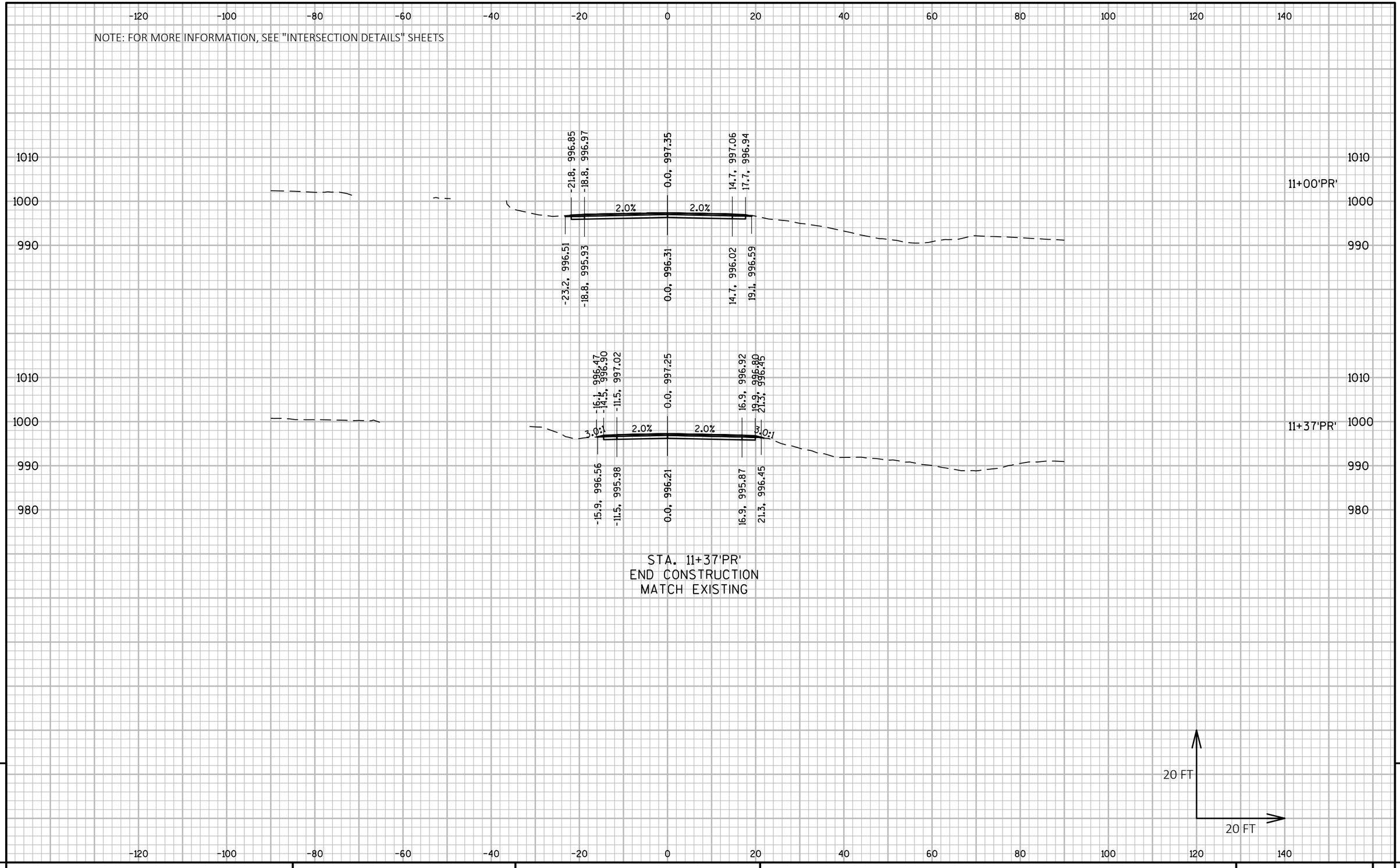
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: WILLOW BRANCH ROAD - 'WBR'	SHEET	E

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: ELLENBORO ROAD EAST - 'EBE'	SHEET	E

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



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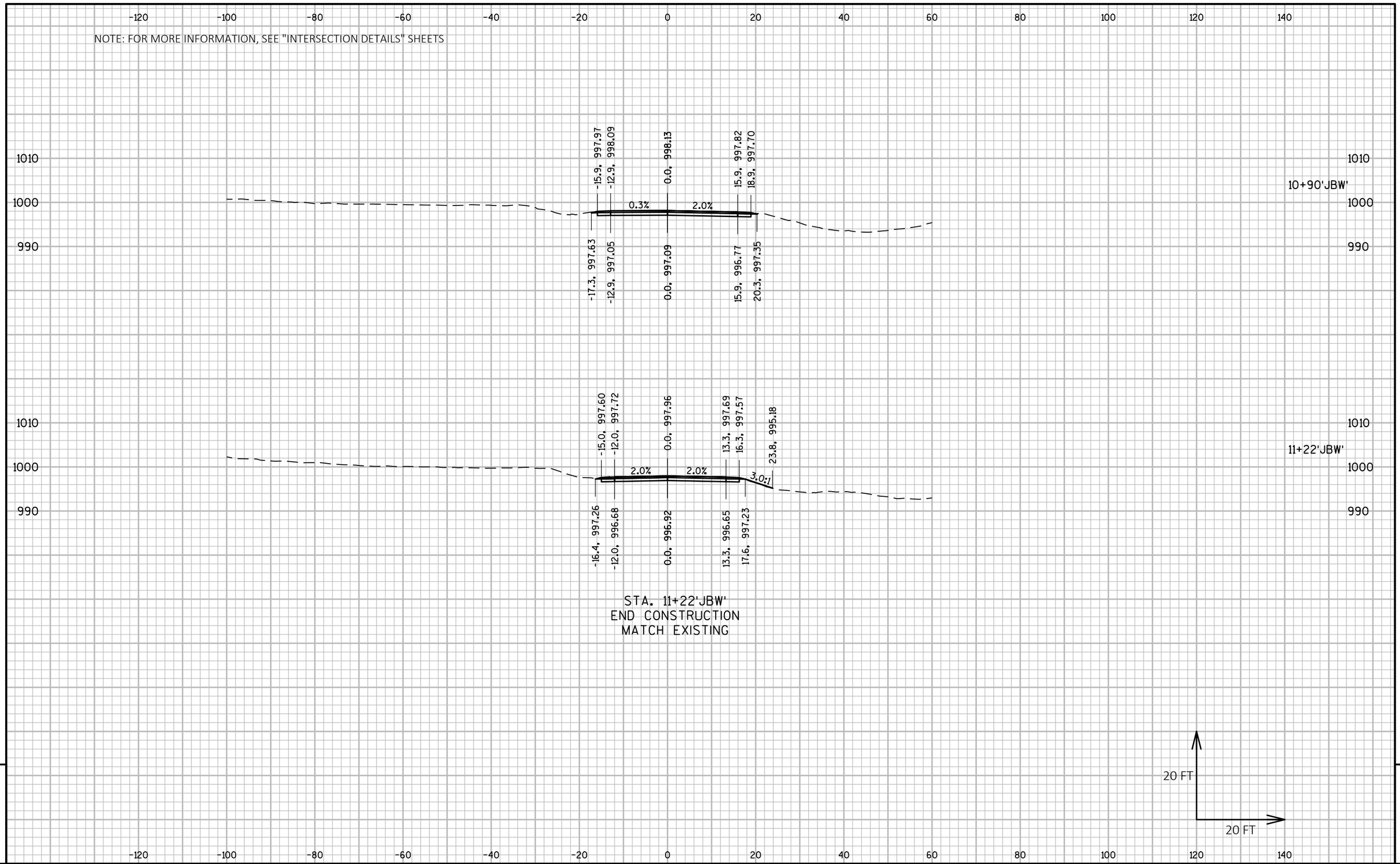
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: PLATTE ROAD - 'PR'	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090204_XS_SIDEROADS.DWG
LAYOUT NAME - PR
PLOT DATE : 10/29/2019 3:38 PM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



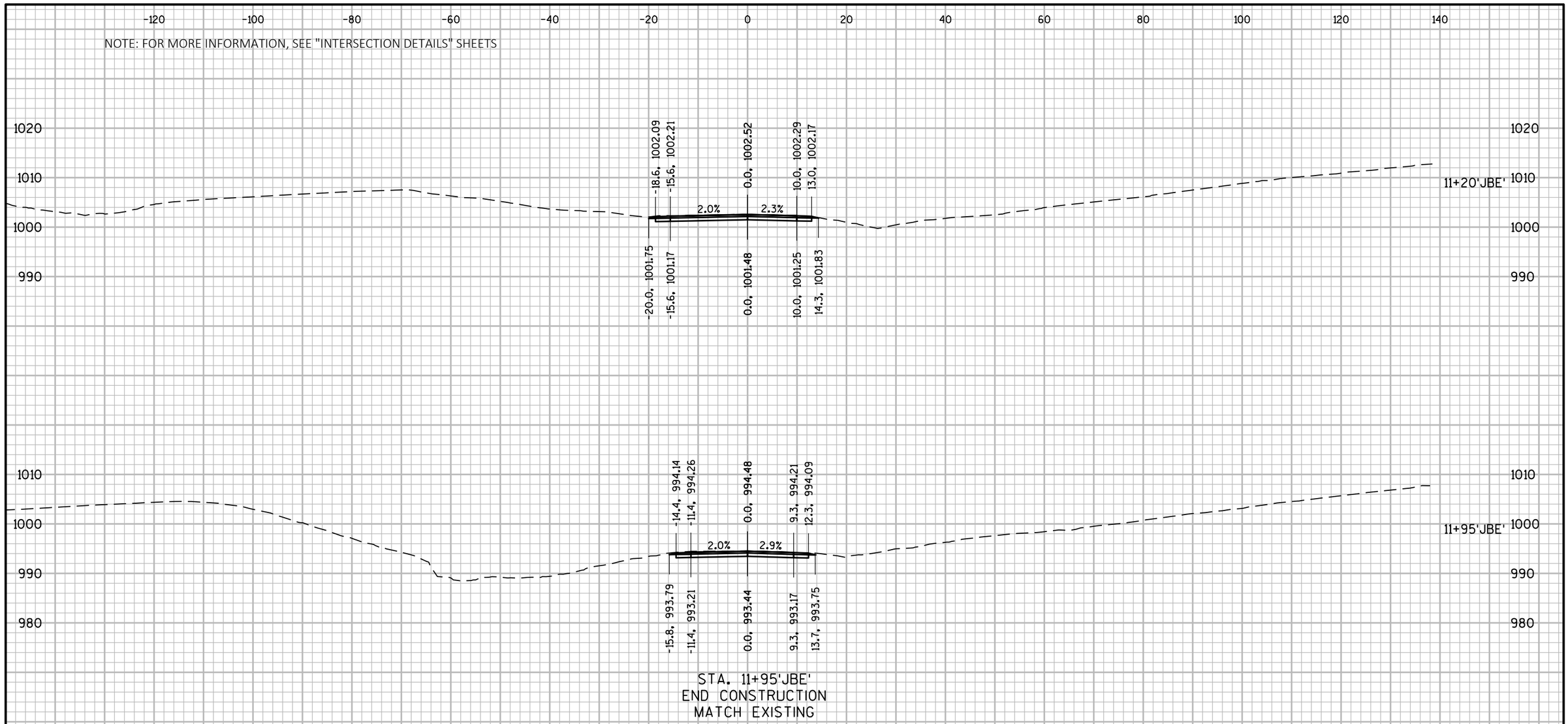
STA. 11+22'JBW'
END CONSTRUCTION
MATCH EXISTING

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: JENTZ BAKER DRIVE WEST - 'JBW'	SHEET E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090204_XS_SIDEROADS.DWG
LAYOUT NAME - JBW

PLOT DATE : 10/29/2019 3:39 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



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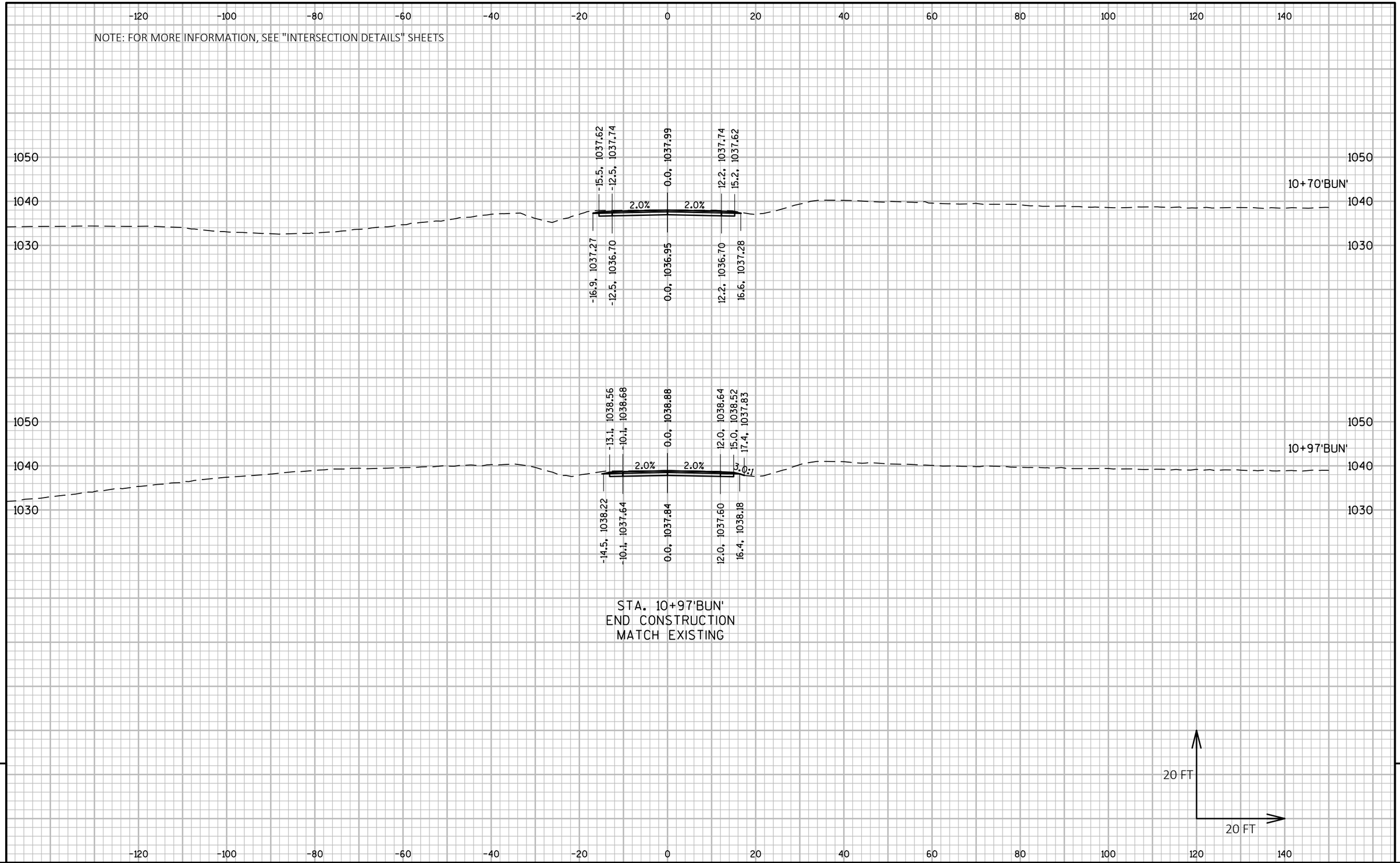
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: JENTZ BAKER DRIVE EAST - 'JBE'	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090204_XS_SIDEROADS.DWG
LAYOUT NAME - JBE

PLOT DATE : 10/30/2019 8:00 AM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

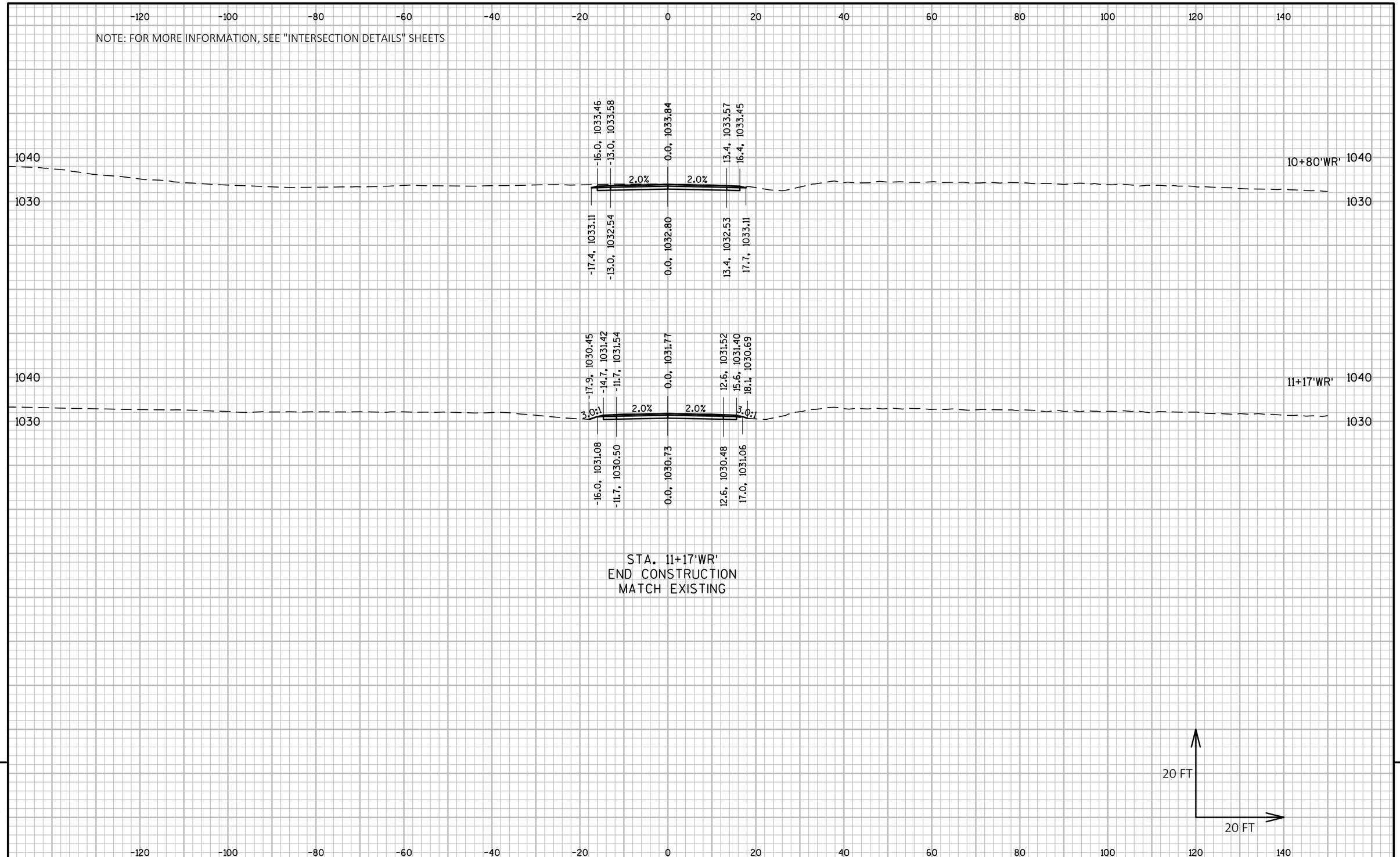
NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



STA. 10+97'BUN'
END CONSTRUCTION
MATCH EXISTING

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: BUNKER RIDGE ROAD - BUN'	SHEET	E

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS

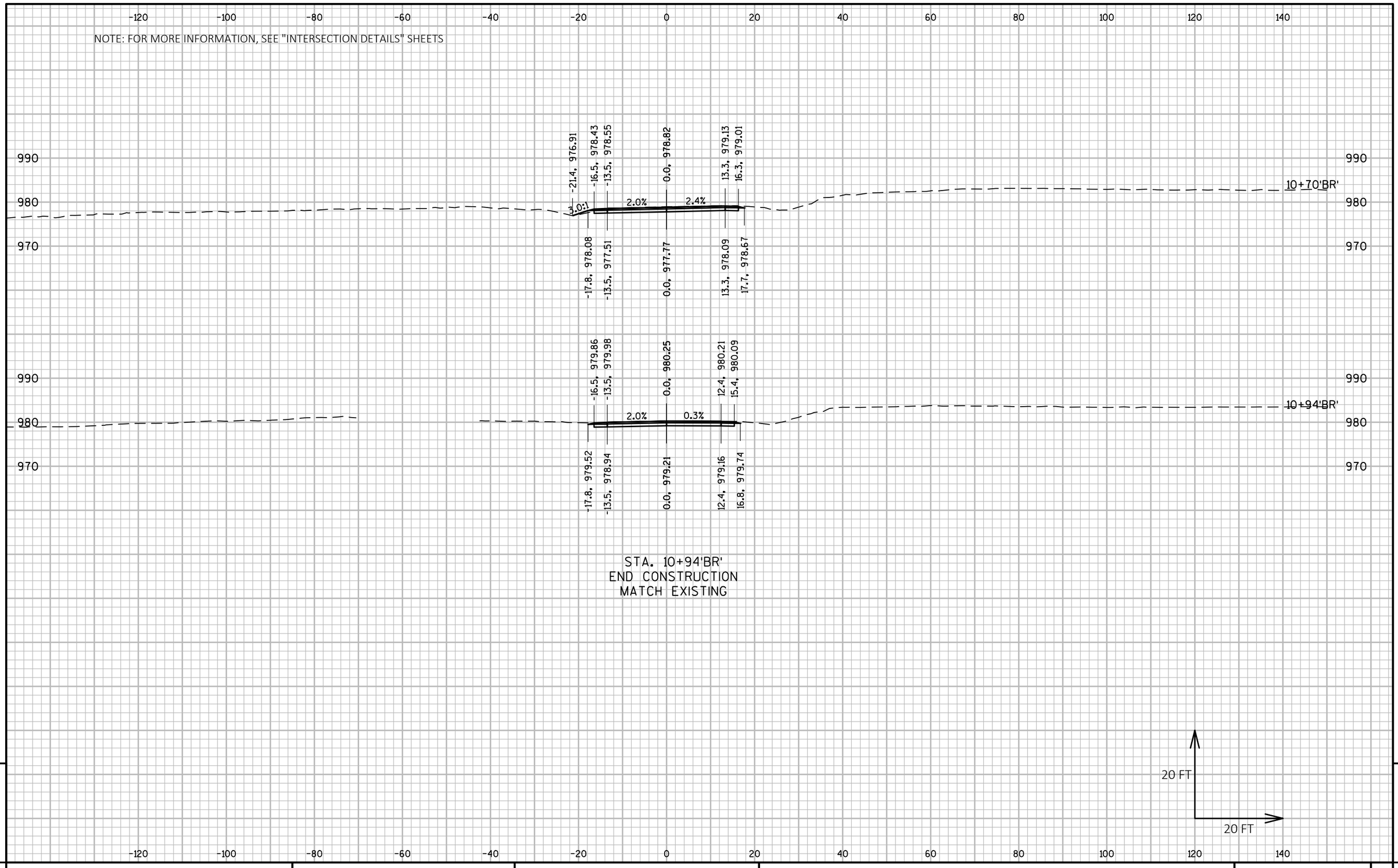


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: WHIG ROAD - 'WR'	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090204_XS_SIDEROADS.DWG
LAYOUT NAME - WR

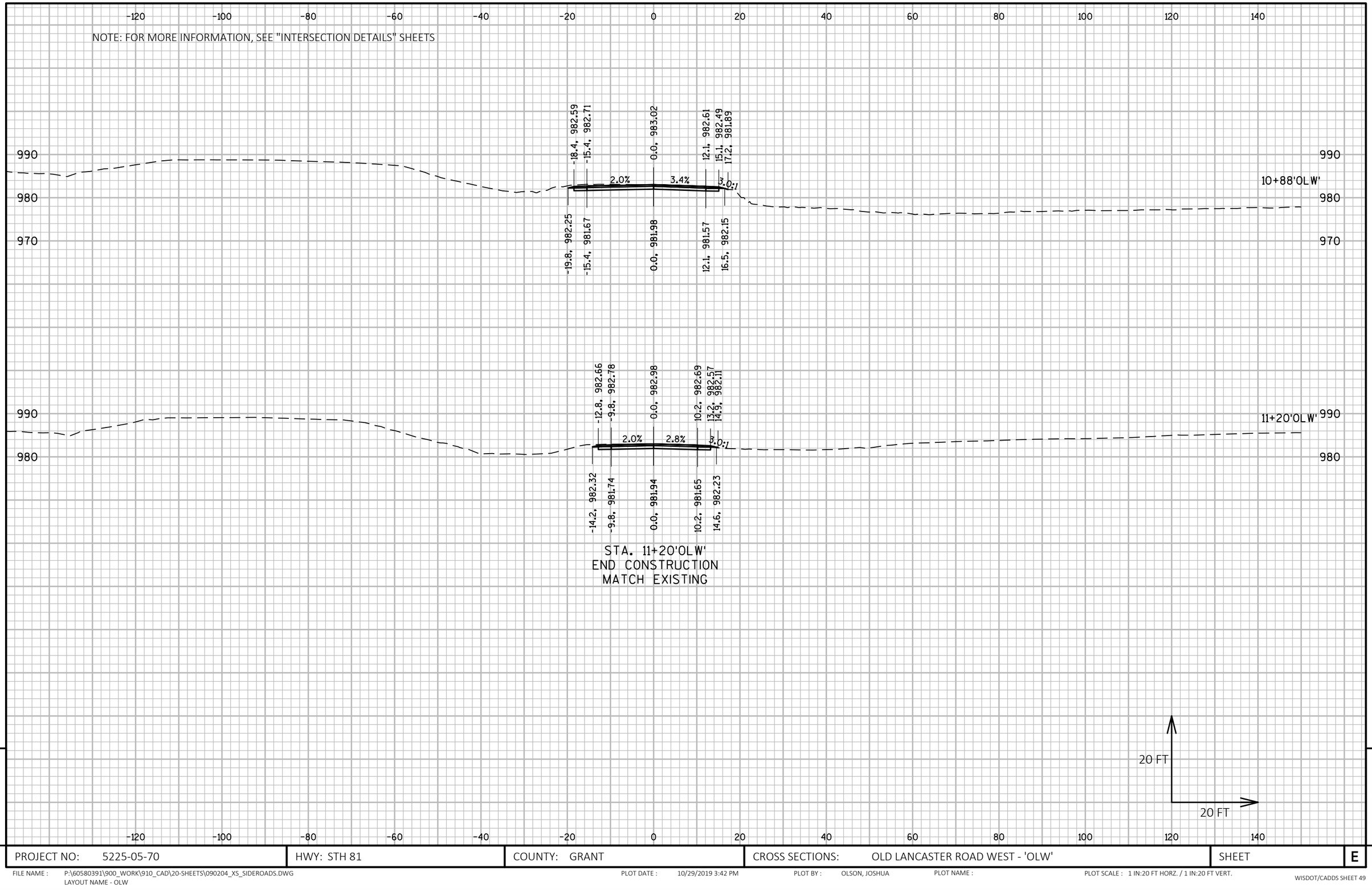
PLOT DATE : 10/29/2019 3:40 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: BANNER ROAD - 'BR'	SHEET	E

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



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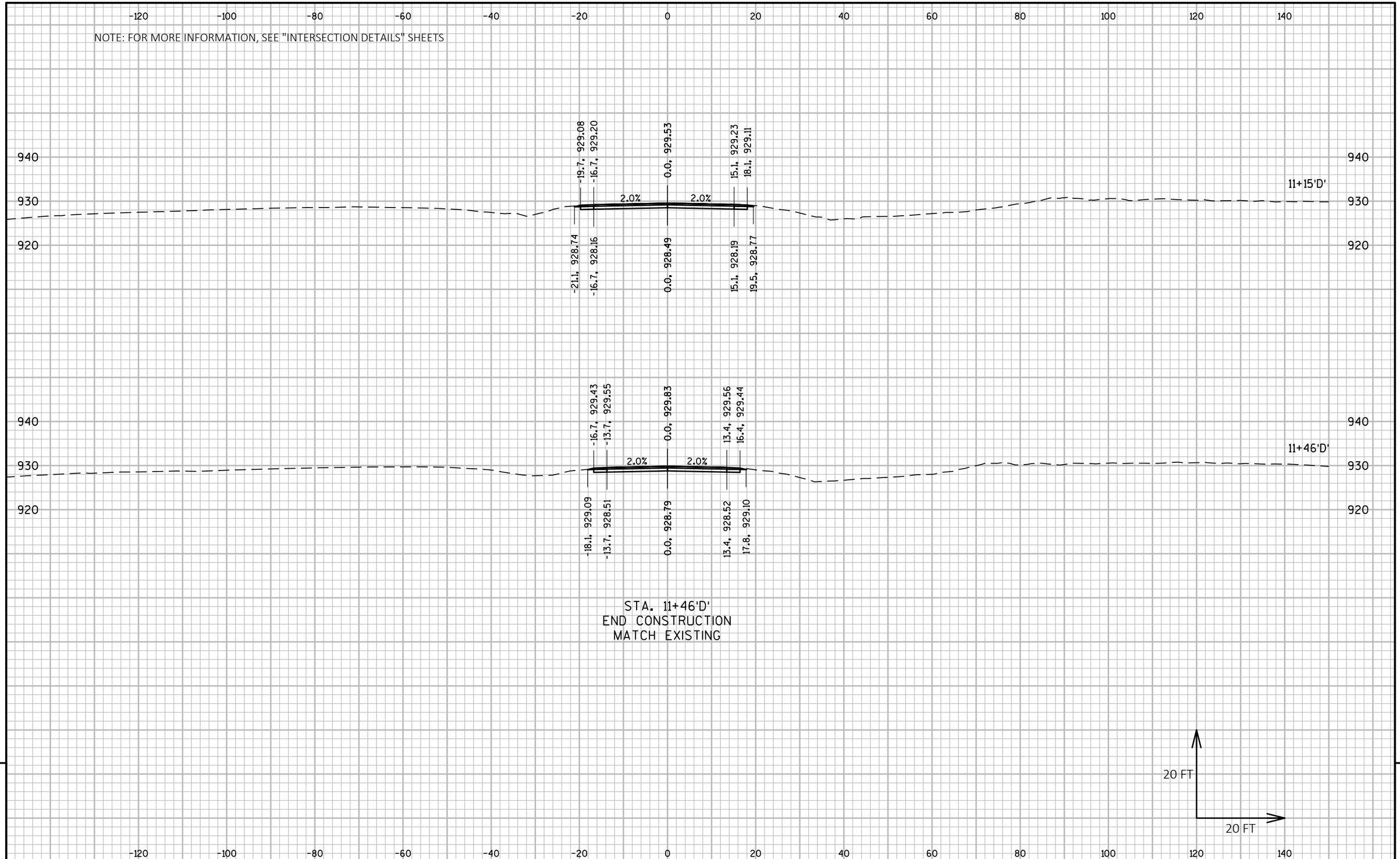
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: OLD LANCASTER ROAD WEST - 'OLW'	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090204_XS_SIDEROADS.DWG
LAYOUT NAME - OLW

PLOT DATE : 10/29/2019 3:42 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS

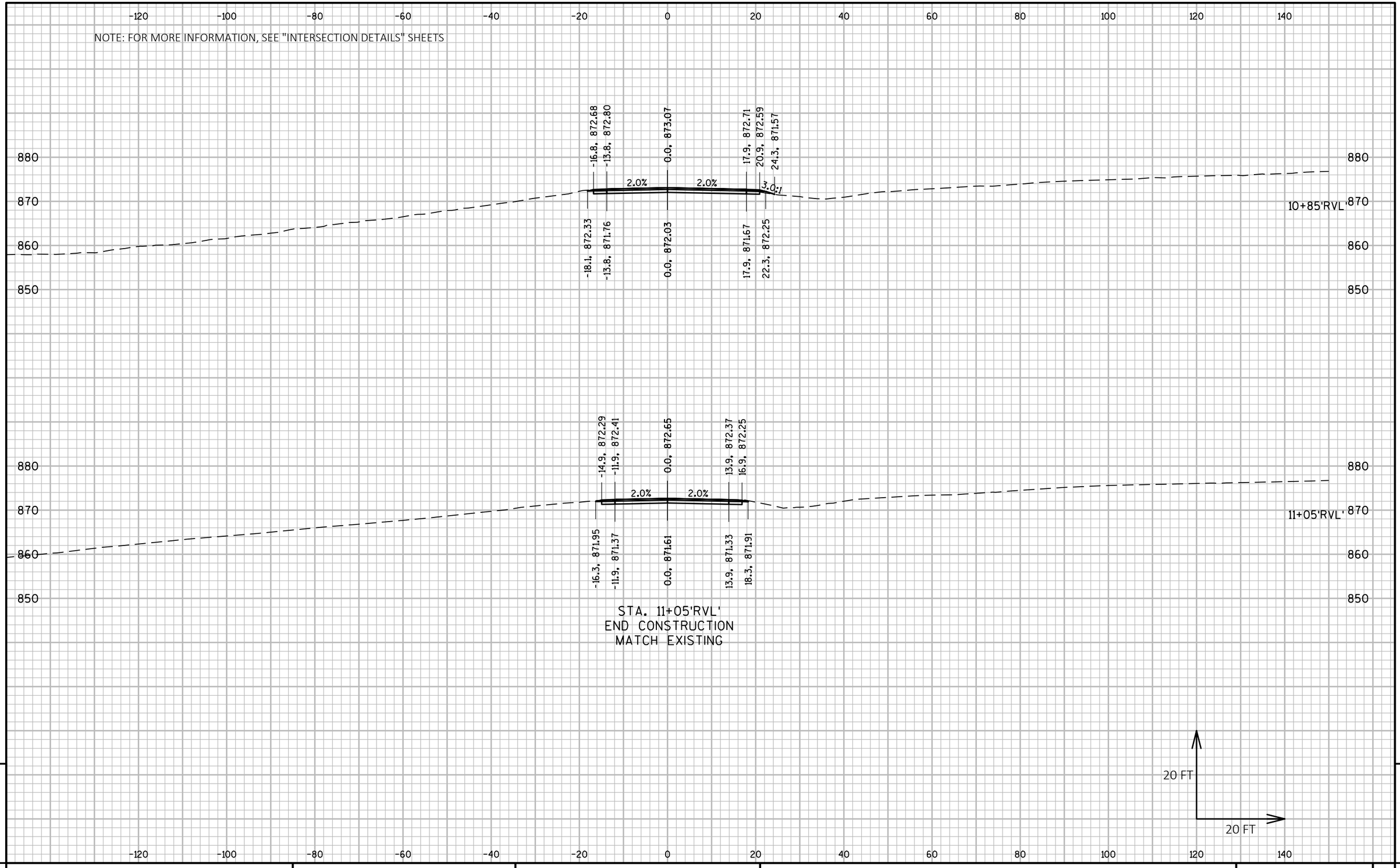


PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: CTH D - 'D'	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090204_XS_SIDEROADS.DWG
LAYOUT NAME - CTH D

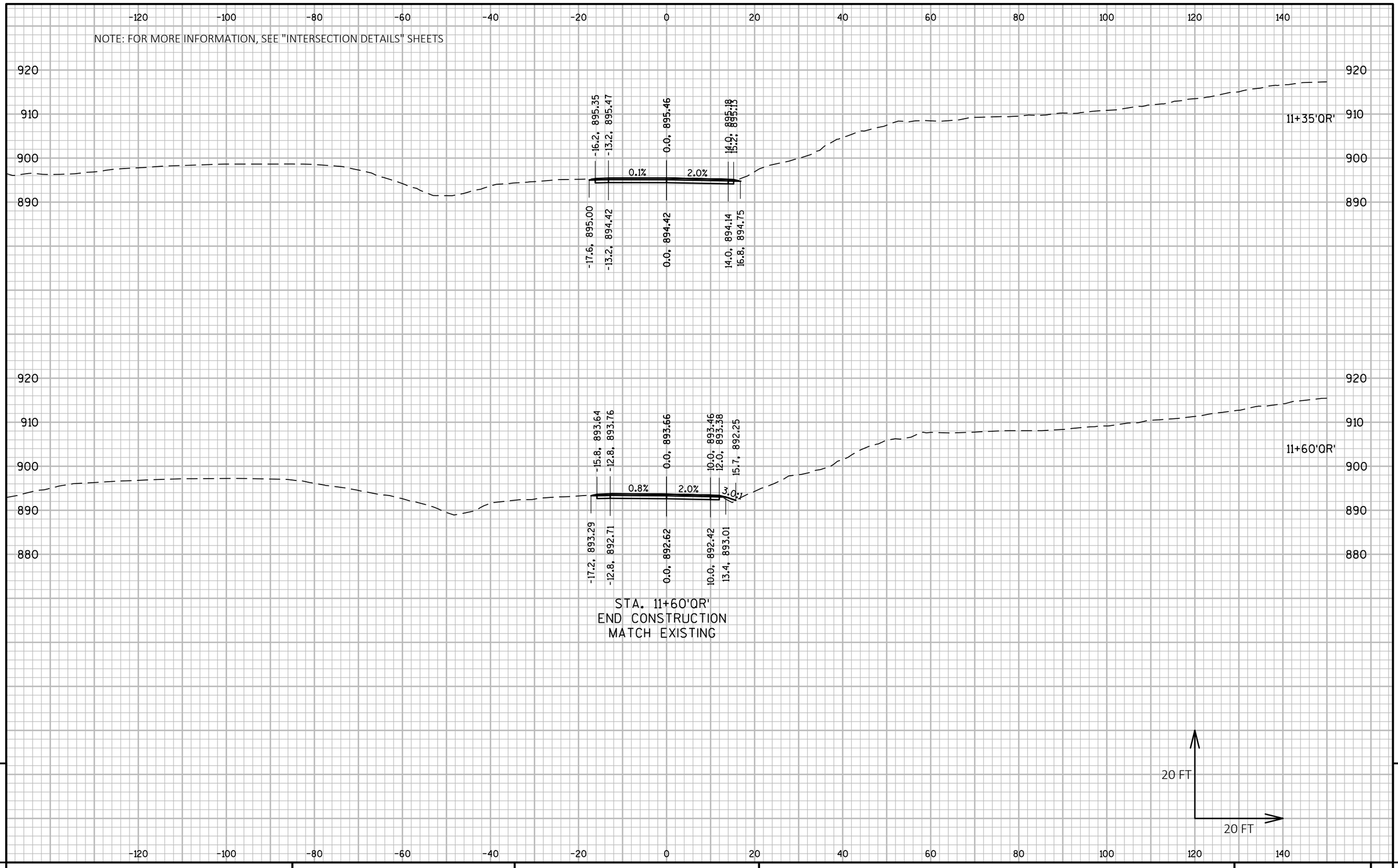
PLOT DATE : 10/29/2019 3:42 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



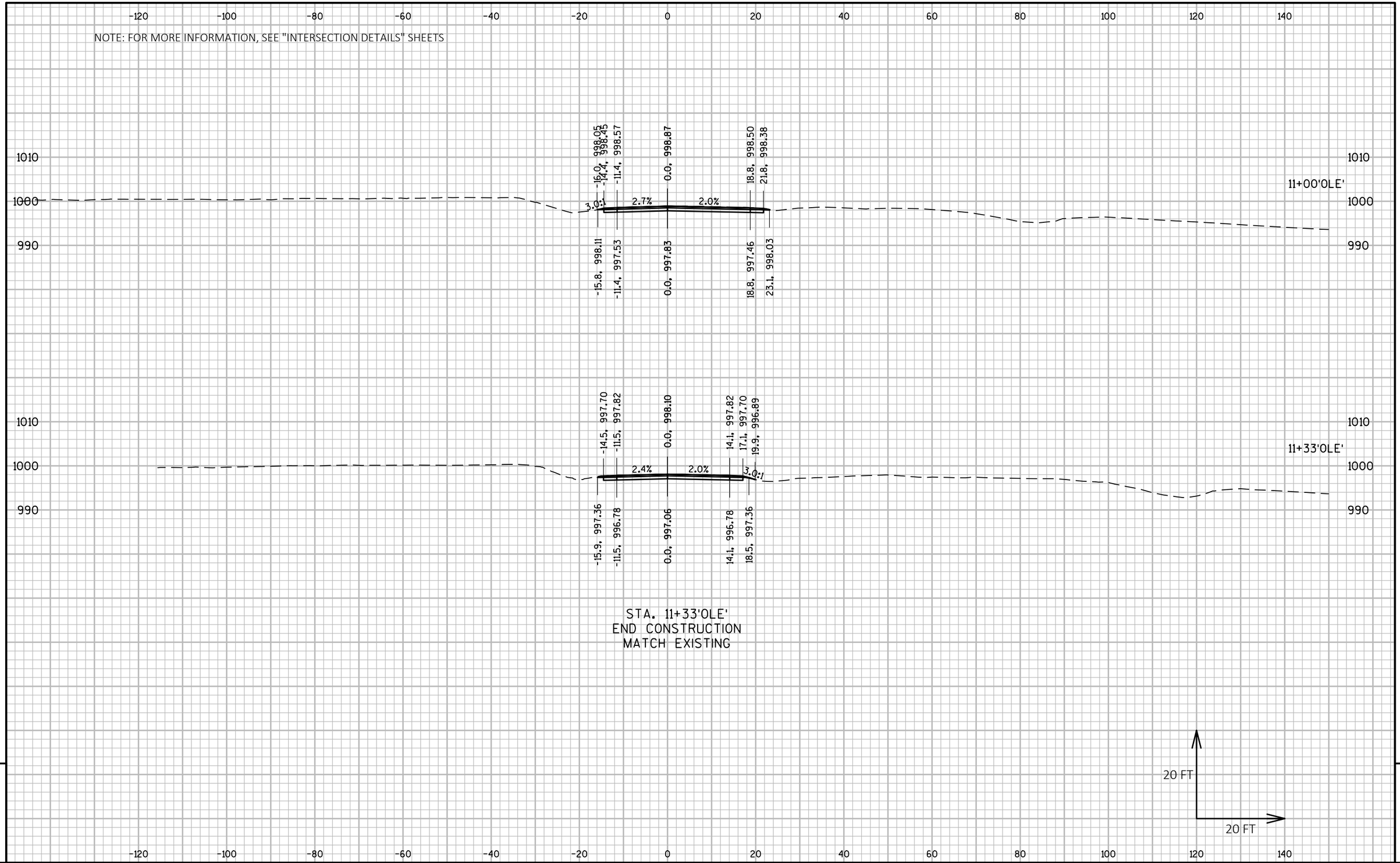
PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: RIVER VALLEY LANE - 'RVL'	SHEET	E

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: QUARRY ROAD - 'QR'	SHEET	E

NOTE: FOR MORE INFORMATION, SEE "INTERSECTION DETAILS" SHEETS



9

PROJECT NO: 5225-05-70	HWY: STH 81	COUNTY: GRANT	CROSS SECTIONS: OLD LANCASTER ROAD - 'OLE'	SHEET	E

FILE NAME : P:\60580391\900_WORK\910_CAD\20-SHEETS\090204_XS_SIDEROADS.DWG
LAYOUT NAME - OLE

PLOT DATE : 10/29/2019 3:44 PM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.