Index Of Sheets

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

WASHINGTON COUNTY

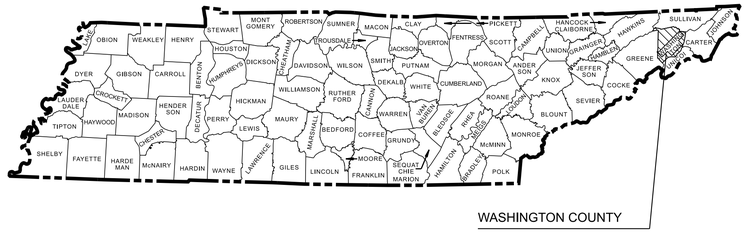
S.R. 353 (BAILEY BRIDGE RD)
BRIDGE OVER NOLICHUCKY
L.M. 0.44 NOLICHUCKY RIVER

LINE AND GRADE

STATE HIGHWAY NO. 353 F.A.H.S. NO. N/A

DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES	(NO)
WORK ZONE SIGNIFICANCE DETERMINATION		
SIGNIFICANT	YES	(NO)

TENN.	YEAR	SHEET NO.
	2024	1
FED. AID PROJ. NO.	ER-BR-STP-353(13)	
STATE PROJ. NO.	90S353-M1-005	



BRIDGE ID. # 90S23860001

NO EXCLUSIONS

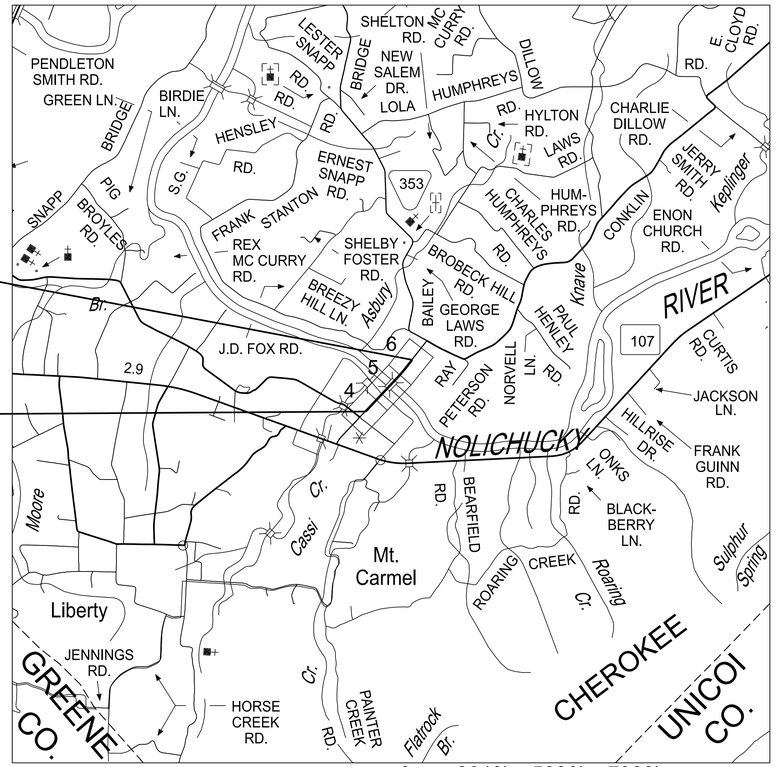
ROAD TO BE CLOSED DURING CONSTRUCTION

CONCEPTUAL PLANS

SEALED BY

END PROJECT NO. 90S353-M1-005 PRELIMINARY
STA. 33+00.00
N 682022.3610 E 2975726.9590

BEGIN PROJECT NO. 90S353-M1-005 PRELIMINARY
STA. 11+00.00
N 680393.4160 E 2974249.9285



SCALE: 1"= 2640'

APPROVED:
WILL REID, CHIEF ENGINEER

DATE:

APPROVED:
HOWARD H. ELEY, COMMISSIONER

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2021 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT PROJECT MANAGER: AMBER WARREN

DESIGNER : PATRICK FIVEASH, P.E. CHECKED BY : MATT NEWMAN, P.E.

P.E. NO. 90S353-M1-005 (NEPA)

PIN NO. 135866.08

R.O.W. LENGTH	0.373 MILES
ROADWAY LENGTH	0.326 MILES
BRIDGE LENGTH	0.091 MILES
PROJECT LENGTH	0.417 MILES

SURVEY 10-10-24	TRAFFIC DATA	
UPDATED 10-18-24	AADT (2025)	1,420
	AADT (2045)	1,820
	DHV (2045)	218
	D	65-35
	T (AADT)	5 %
	T (DHV)	3 %
	V	50 MPH

COORDINATES ARE NAD/83(2011), ARE ADJUSTED BY THE FACTOR OF 1.00000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 USING GEOID 12B MODEL, OBTAINED ON 09-30-24.

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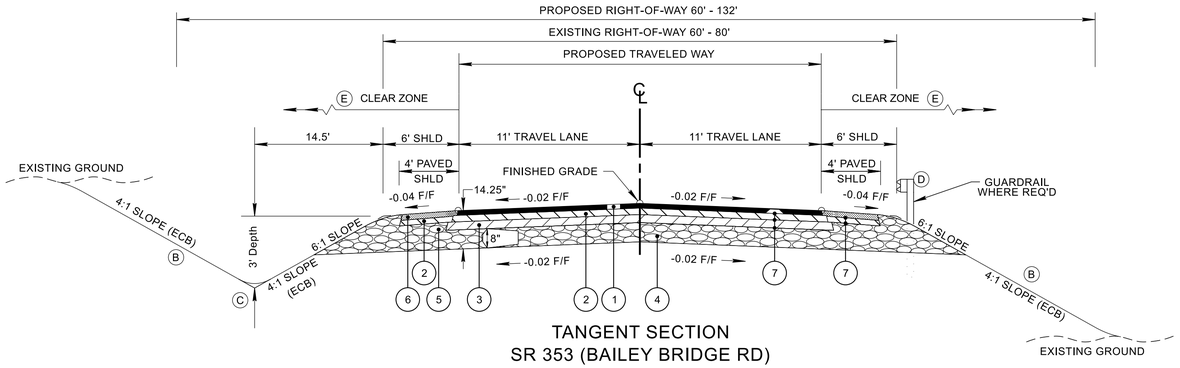
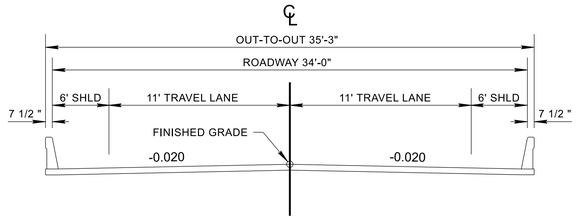
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	2B



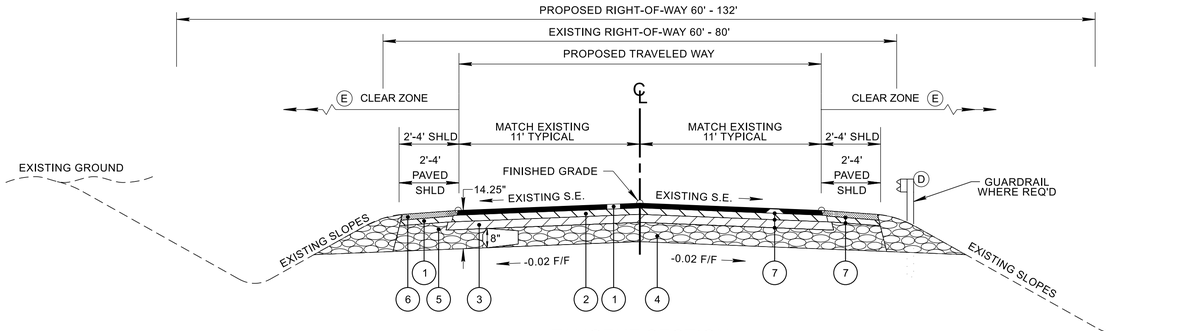
TANGENT SECTION
SR 353 (BAILEY BRIDGE RD)

(BASED ON STD. DWG. RD11-TS-2)
FROM STA. 11+00.00 TO STA. 17+62.00
FROM STA. 22+42.00 TO STA. 30+50.00



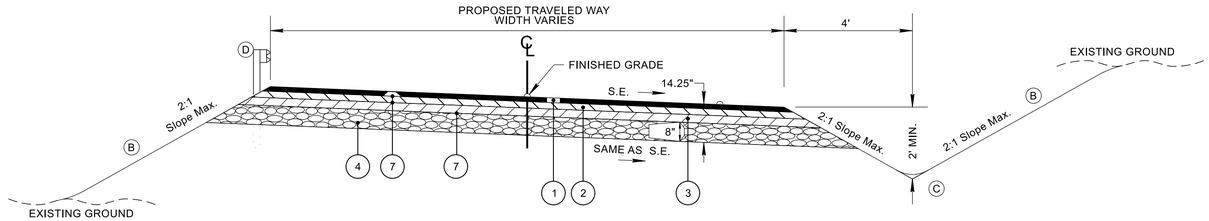
BRIDGE SECTION
SR 353 (BAILEY BRIDGE RD)

FROM STA. 17+62.00 TO STA. 22+42.00



TANGENT SECTION
FULL DEPTH PAVEMENT REHABILITATION
SR 353 (BAILEY BRIDGE RD)

FROM STA. 30+50.00 TO STA. 33+00.00



SUPERELEVATED SECTION
(O.O. MOORE CUL-DE-SAC)

(BASED ON STD. DWG. RD11-TS-1A)

(A) THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.

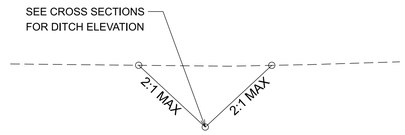
(B) SEE STANDARD DRAWINGS RD11-S-11 AND RD11-S-11B FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES AND TOE OF FILL SLOPES, SPECIAL ROCK TREATMENT AND SUB GRADE ROUNDING IF APPLICABLE.

(C) SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.

(D) SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.

(E) SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE", AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONES.

(F) FULL DEPTH SECTION PROVIDED FOR PAVMENT REPAIR AREAS. DEPARTMENT REPRESENTATIVE TO DETERMINE LIMITS OR PAVEMENT SECTION.

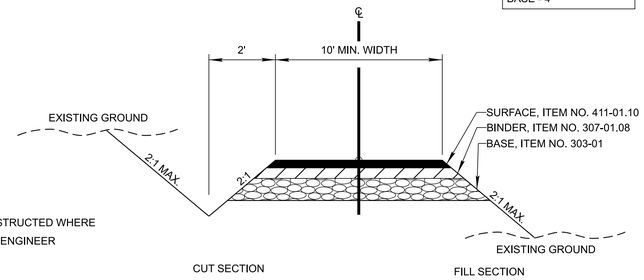


INDEPENDENT SPECIAL DITCH
(SR-353)

FROM STA. 17+45.50 LT TO STA. 18+05.63 LT
FROM STA. 17+45.50 RT TO STA. 18+20.11 RT

FIELD OR RESIDENTIAL

SURFACE - 1½"
BINDER - NONE
BASE - 4"



NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER

CUT SECTION

FILL SECTION

TYPICAL SECTION
PRIVATE DRIVE TO BUSINESS,
FIELD, OR RESIDENTIAL PROPERTY

PROPOSED PAVEMENT SCHEDULE

1	ASPHALTIC CONCRETE SURFACE (HOT MIX) PG64-22 GRADING "D" SURFACE @ 1.25" THICK (APPROX. 132.5 LB./S.Y.) 411-01.10 ACS MIX (PG64-22) GRADING "D"
2	BITUMINOUS PLANT MIX BASE (HOT MIX) PG64-22 GRADING "B-M2" @ 2.00" THICK (APPROX. 226 LB./S.Y.) 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "B-M"
3	BITUMINOUS PLANT MIX BASE (HOT MIX) PG64-22 GRADING "A" @ 3.00" THICK (APPROX. 345 LB./S.Y.) 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "A"
4	MINERAL AGGREGATE @ 8"± THICK 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"
5	MINERAL AGGREGATE @ 11"± THICK 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"
6	ASPHALTIC CONCRETE SURFACE (HOT MIX) PG64-22 GRADING "E" SHOULDER @ 1.25" THICK (APPROX. 132.5 LB./S.Y.) 411-01.07 ACS MIX (PG64-22) GRADING "D"
7	TACK COAT 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) AT 0.15 GALLONS/S.Y. SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE		90S353-M1-005	3A

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)*			AREA REMAINING (ACRES)		EASEMENT (SQUARE FEET)		
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM DRAINAGE	PERM SLOPE	CONST
				BOOK	PAGE											
1A	JOHN A. & ANNA K. MOORE	100	018.00	644	75	16.583		16.583	0.362		0.362	16.221				
~~1B~~	~~JOHN A. & ANNA K. MOORE~~	~~100~~	~~018.00~~	~~644~~	~~75~~	~~0.157~~		~~0.157~~				~~0.157~~				
2	TERESA MOORE PAINTER	100	034.02	R600	I480		1.165	1.165		2597 S.F.	2597 S.F.		1.105			
3A	LLOYD F. FLEENOR JR. & SALLIE KATE IRR LIV TRUST	100	029.00	R919	I1749		22.014	22.014		0.587	0.587		21.427			
3B	LLOYD F. FLEENOR JR. & SALLIE KATE IRR LIV TRUST	100	029.00	R919	I1749		0.368	0.368		1522 S.F.	1522 S.F.		0.333			
4A	JONATHAN B. PHILLIPS	100	018.02	R1081	I2006	0.412		0.412	2443 S.F.		2443 S.F.	0.356				
~~4B~~	~~JONATHAN B. PHILLIPS~~	~~100~~	~~018.02~~	~~R1081~~	~~I2006~~	~~3877 S.F.~~		~~3877 S.F.~~				~~3877 S.F.~~				
5	STEVEN & MARY FRANCES SCOTT	100	020.03	R1089	I1729	13.209		13.209	0.590		0.590	12.619				
~~6A~~	~~STEVEN W. SCOTT~~	~~100~~	~~020.01~~	~~R1116~~	~~I1698~~	~~12.099~~		~~12.099~~				~~12.099~~				
6B	STEVEN W. SCOTT	100	020.01	R1116	I1698		21.388	21.388		0.655	0.655		20.733			
ACQUISITION TOTALS (ACRES)									2.344*							

* FEE SIMPLE ROW ACQUISITION AREAS WERE OBTAINED AS TEMPORARY CONSTRUCTION EASEMENT FOR RIGHT-OF-ENTRY PURPOSES.

DISTURBED AREA

IN BETWEEN SLOPE LINES	3.085	(AC)
TOTAL DISTURBED AREA	5.251	(AC)
TOTAL PROJECT AREA	5.251	(AC)

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY
ACQUISITION
TABLE

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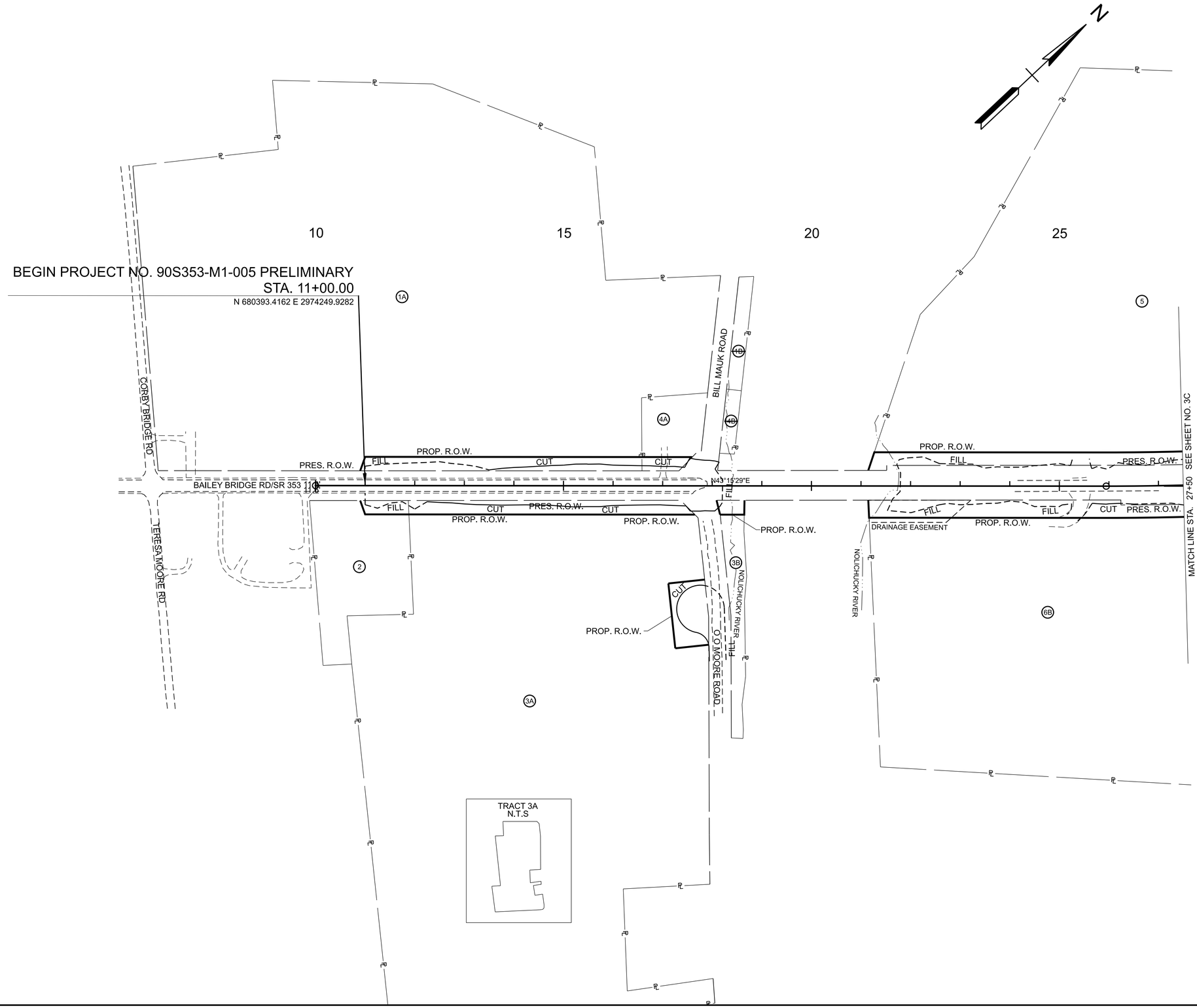
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	3B



SEALED BY

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00000 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 12B MODEL.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

B.O.P. TO STA. 27+50.00
SCALE: 1" = 100'

10/30/2024 11:26:34 AM
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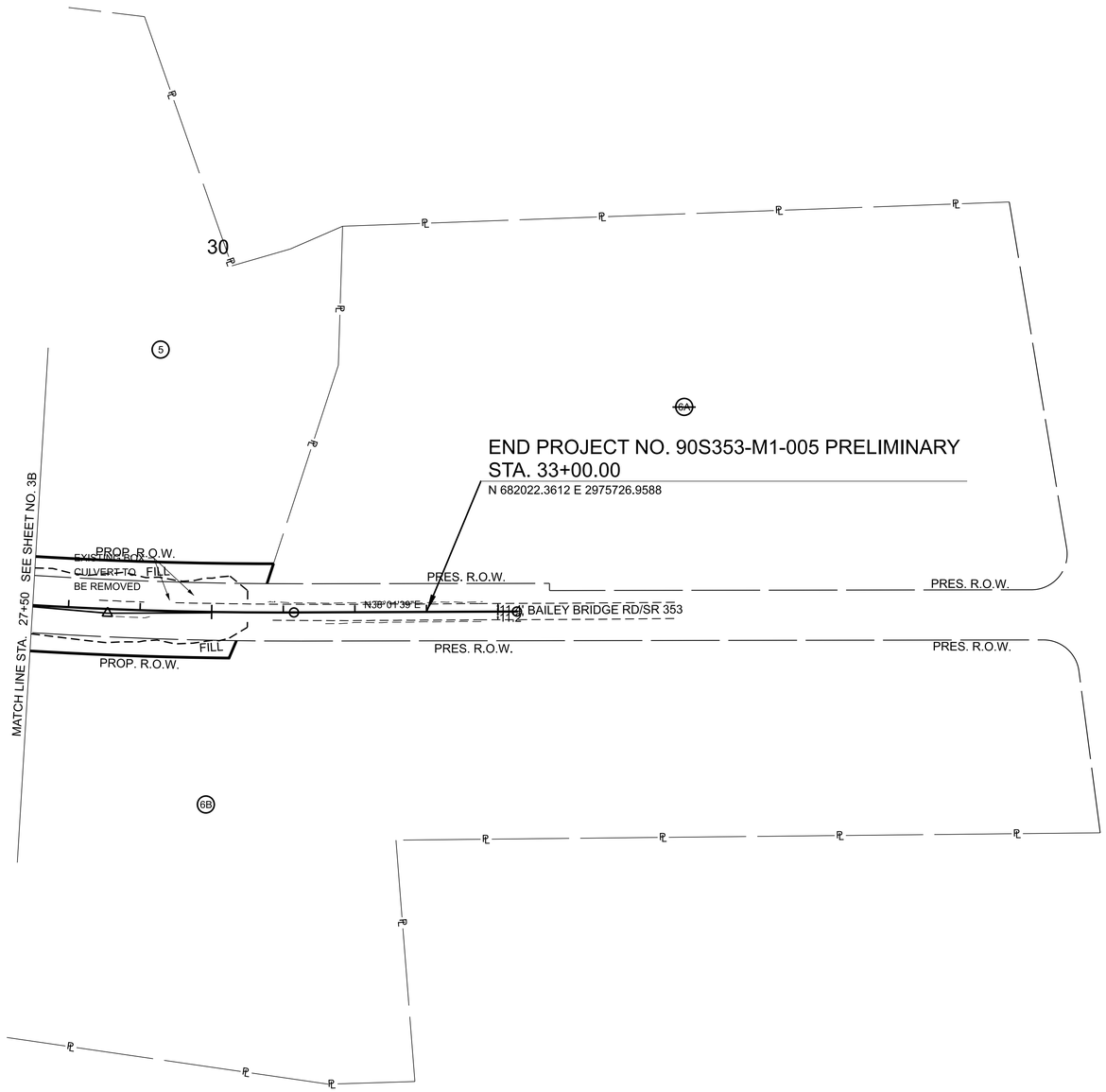
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	3C



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 27+50.00 TO E.O.P.
SCALE: 1" = 100'

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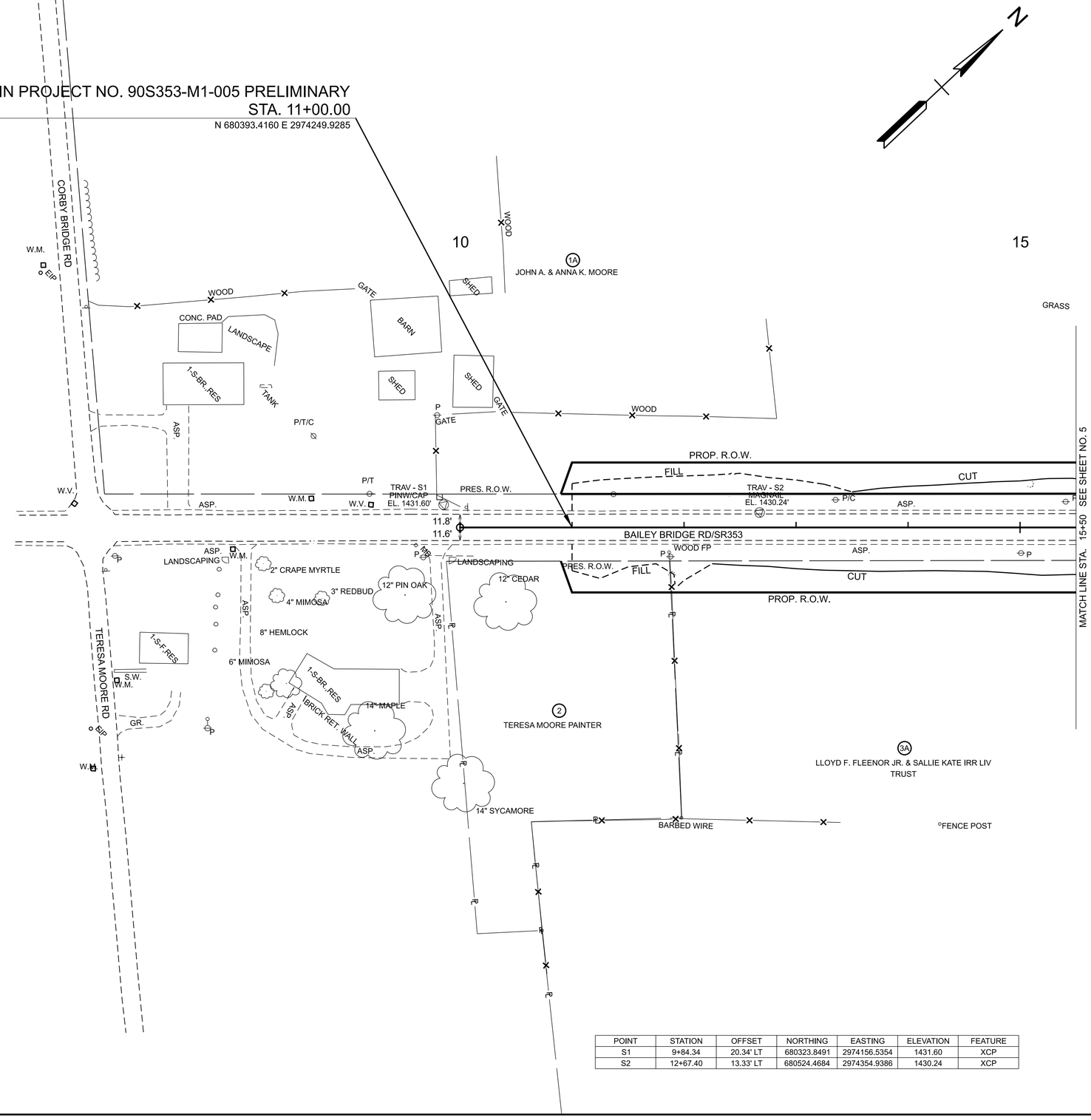
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	4

BEGIN PROJECT NO. 90S353-M1-005 PRELIMINARY
STA. 11+00.00
N 680393.4160 E 2974249.9285



POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	FEATURE
S1	9+84.34	20.34' LT	680323.8491	2974156.5354	1431.60	XCP
S2	12+67.40	13.33' LT	680524.4684	2974354.9386	1430.24	XCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

B.O.P. TO STA. 15+50.00
SCALE: 1" = 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	4A

BEGIN PROJECT NO. 90S353-M1-005 PRELIMINARY
STA. 11+00.00
N 680393.4160 E 2974249.9285

N

10

15

1A
JOHN A. & ANNA K. MOORE

S51°31'59"E
510.02'

CORBY BRIDGE RD

EP

ASP.

N43°16'26"E
299.05'

TRAV - S1
PINW/CAP
EL. 1431.60'

PRES. R.O.W.

N27°10'28"W
29.86'

11+00.00
58.00'

10+90.00
29.87'

PROP. R.O.W.

N43°15'29"E
558.13'

FILL

CUT

TRAV - S2
MAGNAIL
EL. 1430.24'

N43°13'31"E
676.73'

ASP.

11.8'
11.6'

BAILEY BRIDGE RD/SR353

10+90.00
30.04'

WOOD FP

ASP.

N43°10'41"E
199.16'

PRES. R.O.W.

FILL

11+87.01
29.91'

CUT

N43°10'40"E
549.14'

9+87.85
30.19'

N66°25'28"W
29.69'

11+00.00
58.00'

N43°15'29"E
88.32'

PROP. R.O.W.

N43°15'29"E
576.70'

11+88.32
58.00'

SEE SHEET NO. 5A

MATCH LINE STA. 15+50

TERESA MOORE RD

EP

GR.

ASP.

ASP.

ASP.

ASP.

S51°28'16"E
333.56'

N49°24'53"W
229.52'

2
TERESA MOORE PAINTER

3A
LLOYD F. FLEENOR JR. & SALLIE KATE IRR LIV TRUST

N41°47'56"E
134.13'

°FENCE POST

N52°22'40"W
97.63'

N40°25'20"E
57.94'

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	FEATURE
S1	9+84.34	20.34' LT	680323.8491	2974156.5354	1431.60	XCP
S2	12+67.40	13.33' LT	680524.4684	2974354.9386	1430.24	XCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W.
DETAILS

B.O.P. TO STA. 15+50.00
SCALE: 1" = 50'

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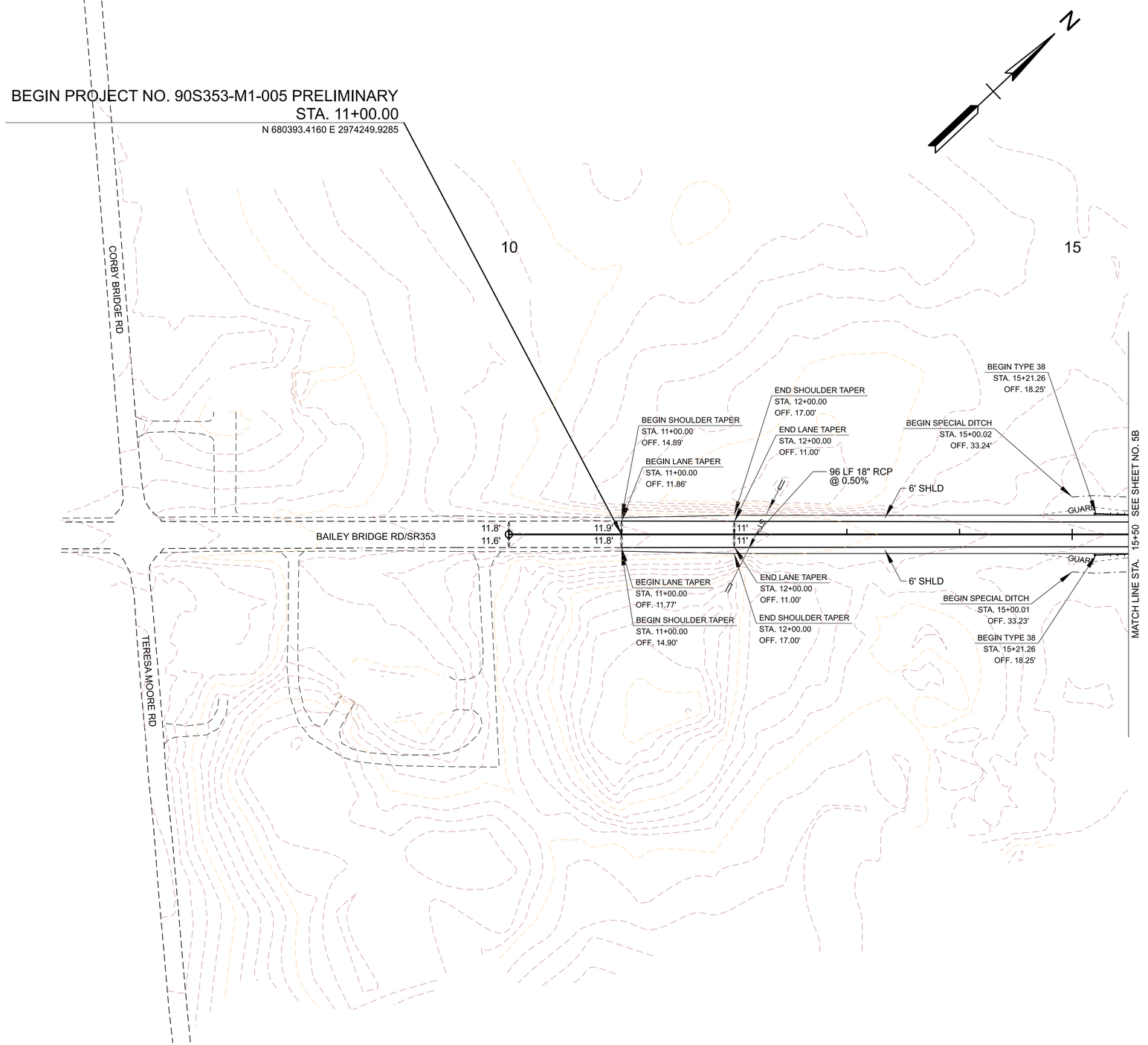
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	4B



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

B.O.P. TO STA. 15+50.00
SCALE: 1" = 50'

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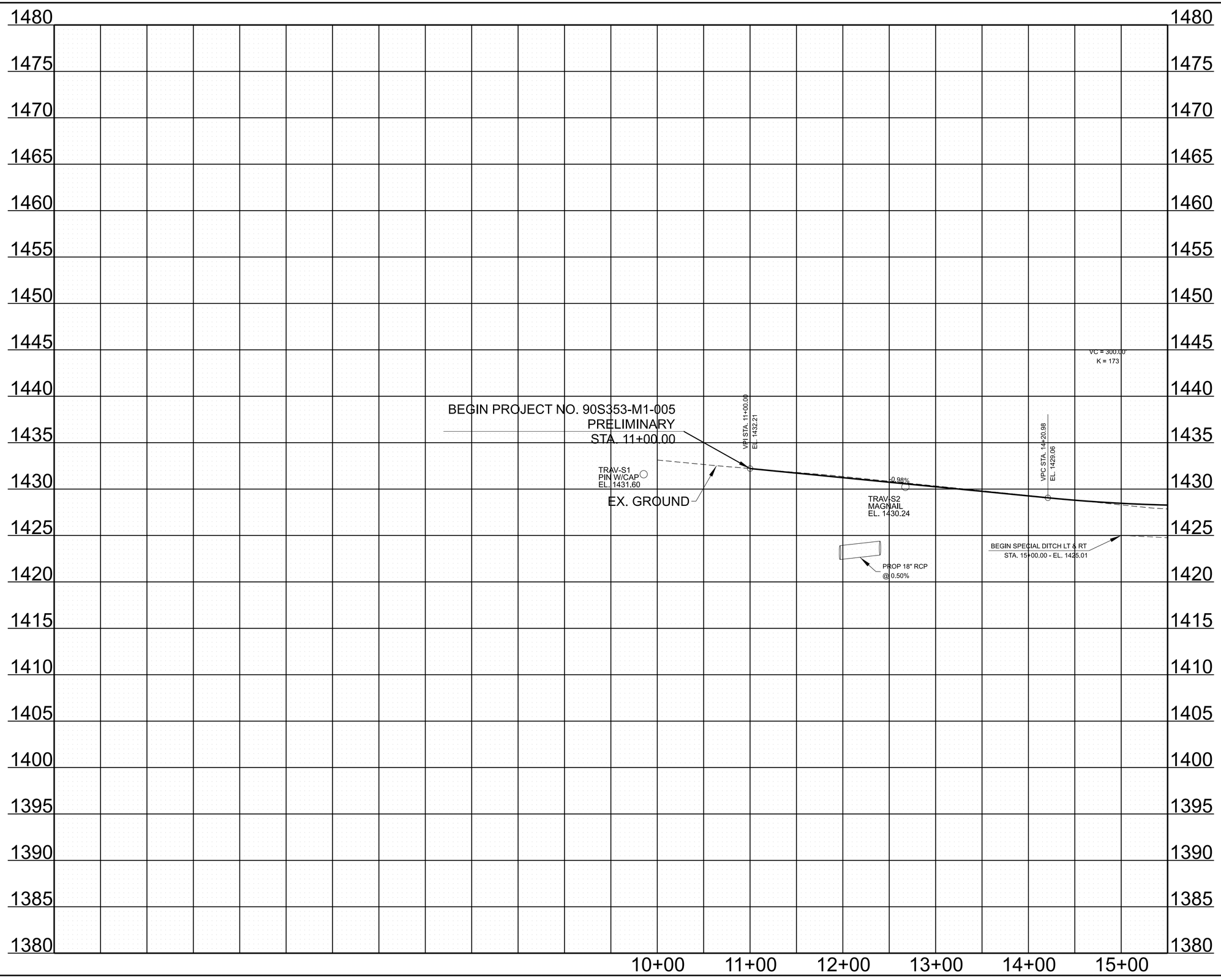
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	4C



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
PROFILE

B.O.P. TO STA. 15+50.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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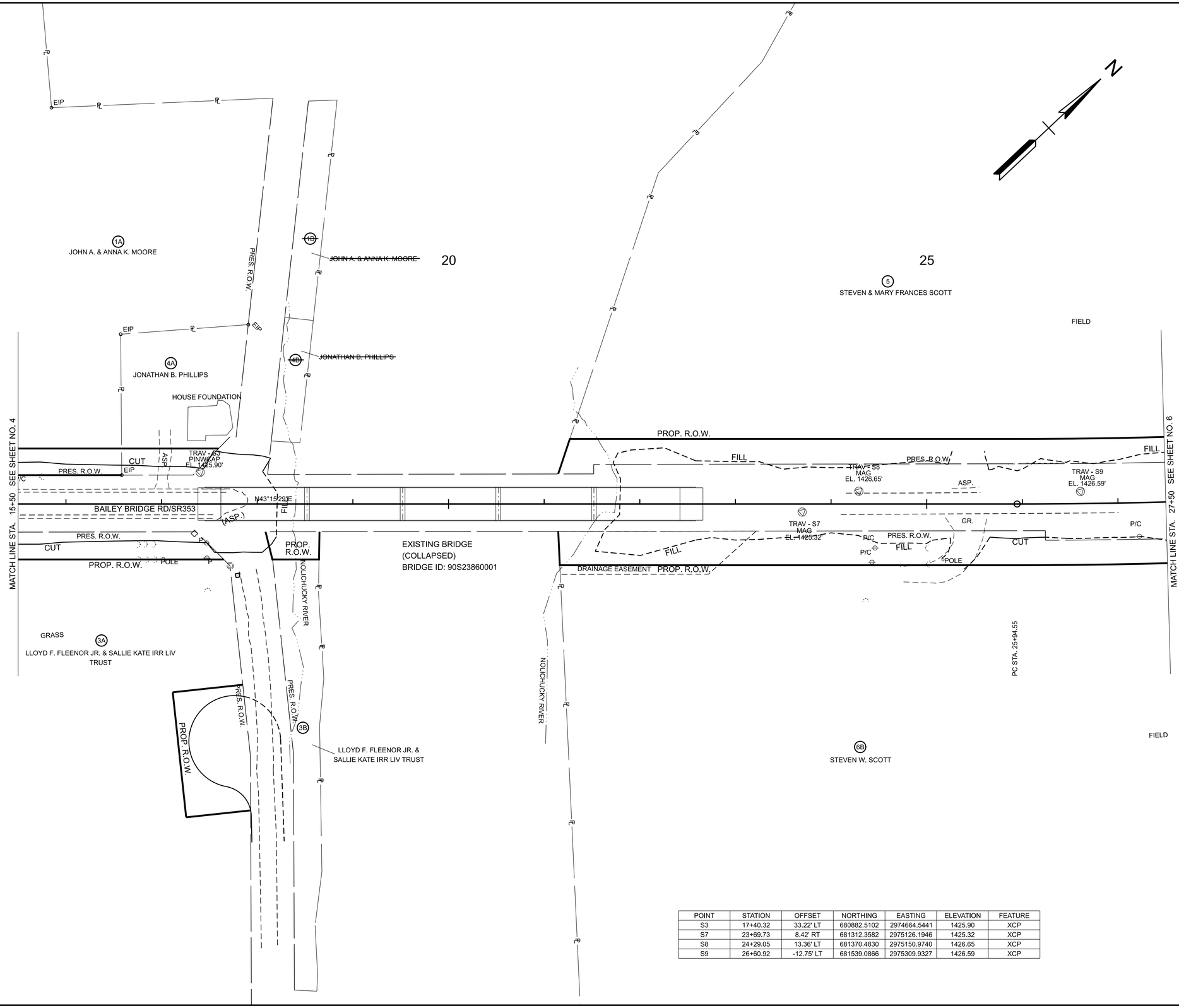
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	5



POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	FEATURE
S3	17+40.32	33.22' LT	680882.5102	2974664.5441	1425.90	XCP
S7	23+69.73	8.42' RT	681312.3582	2975126.1946	1425.32	XCP
S8	24+29.05	13.36' LT	681370.4830	2975150.9740	1426.65	XCP
S9	26+60.92	-12.75' LT	681539.0866	2975309.9327	1426.59	XCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 15+50.00 TO STA. 27+50.00
SCALE: 1" = 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	5A

N

MATCH LINE STA. 15+50 SEE SHEET NO. 4A

MATCH LINE STA. 27+50 SEE SHEET NO. 6A

1A JOHN A. & ANNA K. MOORE

4A JONATHAN B. PHILLIPS

3A LLOYD F. FLEENOR JR. & SALLIE KATE IRR LIV TRUST

3B LLOYD F. FLEENOR JR. & SALLIE KATE IRR LIV TRUST

4B ~~JOHN A. & ANNA K. MOORE~~

4B ~~JONATHAN B. PHILLIPS~~

5 STEVEN & MARY FRANCES SCOTT

6B STEVEN W. SCOTT

20

25

N13°39'57"W 270.13'

EIP

S40°48'03"W 231.82'

PRES. R.O.W.

N40°39'02"W 238.14'

EIP

S38°56'53"W 133.74'

EIP

S47°10'11"E 147.30'

N40°34'00"W 118.37'

N43°13'31"E 74.39'

17+77.87 69.86'

17+71.49 70.25'

17+32.73 30.23'

16+58.13 58.00'

N43°15'29"E 558.13'

16+58.34 30.19'

CUT

PRES. R.O.W.

EIP

N43°15'29"E 101.49'

N46°44'33"E 6.39'

17+59.63 58.00'

N40°30'01"W 35.12'

N43°10'41"E 303.83'

N41°11'50"E 29.96'

N40°30'02"W 227.47'

S40°35'19"E 231.80'

N49°29'59"E 30.00'

N40°30'02"W 130.00'

S40°29'07"E 128.58'

S46°47'04"W 30.00'

N43°15'29"E

BAILEY BRIDGE RD/SR353

(ASP.)

FILL

18+08.69 29.04'

N43°09'32"E 249.65'

18+65.07 29.04'

S45°45'49"E 28.96'

18+64.57 58.00'

N43°15'29"E 48.74'

PROP. R.O.W.

EXISTING BRIDGE (COLLAPSED)

BRIDGE ID: 90S23860001

PRES. R.O.W.

CUT

N43°15'29"E 576.70'

PROP. R.O.W.

N08°14'53"E 45.96'

17+36.15 29.14'

17+71.51 64.48'

17+65.03 58.00'

18+15.84 58.00'

17+84.89 188.97'

S37°07'26"W 73.67'

17+11.64 196.84'

S52°52'34"E 131.47'

17+25.69 327.56'

N37°07'26"E 67.83'

17+93.13 320.31'

PROP. R.O.W.

PRES. R.O.W.

S52°52'34"E 200.29'

N52°52'34"W 202.61'

PRES. R.O.W.

NOLICHUCKY RIVER

N60°35'44"W 31.55'

S45°45'49"E 90.83'

S50°17'21"E 90.88'

S41°36'00"E 49.22'

S47°38'08"E 152.56'

N46°57'50"W 247.11'

S39°35'08"E 56.97'

S49°39'57"E 51.08'

S46°57'50"E 439.69'

S44°11'55"E 17.69'

S44°11'55"E 17.69'

N03°45'32"W 159.14'

N28°21'03"W 331.57'

21+26.83 68.00'

21+51.82 41.44'

N28°21'03"W 38.58'

21+14.66 31.39'

N43°10'41"E 37.17'

21+51.83 31.44'

N46°49'19"W 10.00'

PROP. R.O.W.

N43°15'29"E 467.72'

FILL

N43°10'41"E 472.22'

TRAV - S8 MAG EL. 1426.65'

PRES. R.O.W.

ASP

25+94.55 68.00'

26+24.26 42.03'

R=5632.00' L=485.86'

TRAV - S9 MAG EL. 1426.59'

FILL

TRAV - S7 MAG EL. 1426.32'

GR.

PRES. R.O.W.

FILL

S46°49'19"E 10.00'

CUT

26+23.99 27.97'

26+23.95 37.97'

21+14.72 28.61'

S49°23'51"E 35.43'

DRAINAGE EASEMENT PROP. R.O.W.

N43°15'29"E 478.19'

21+16.36 64.00'

25+94.55 64.00'

R=5764.00' L=435.29'

NOLICHUCKY RIVER

S49°23'51"E 538.43'

PC STA. 25+94.55

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	FEATURE
S3	17+40.32	33.22' LT	680882.5102	2974664.5441	1425.90	XCP
S7	23+69.73	8.42' RT	681312.3582	2975126.1946	1425.32	XCP
S8	24+29.05	13.36' LT	681370.4830	2975150.9740	1426.65	XCP
S9	26+60.92	-12.75' LT	681539.0866	2975309.9327	1426.59	XCP

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COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B MODEL.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. DETAILS

STA. 15+50.00 TO STA. 27+50.00
SCALE: 1" = 50'

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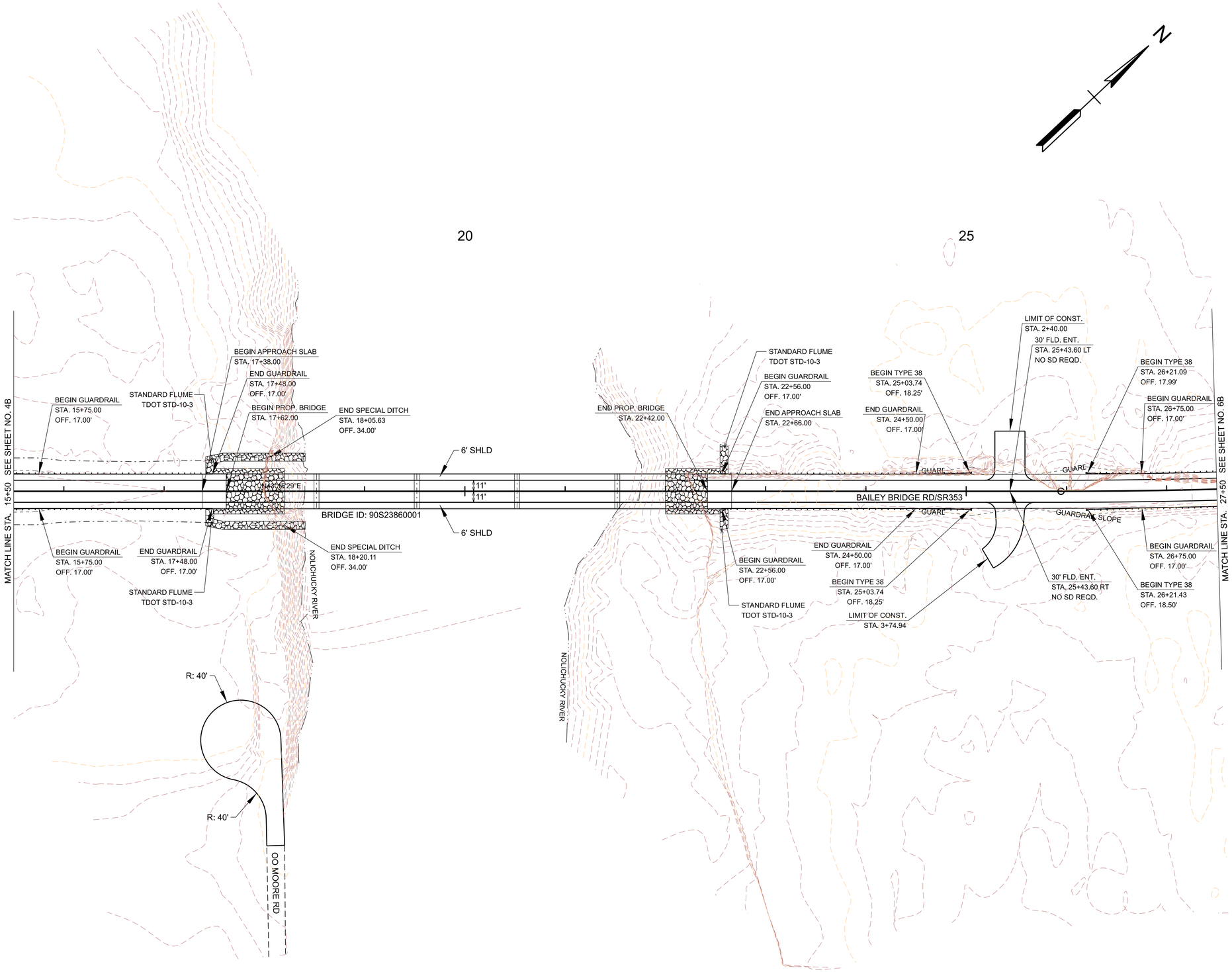
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	5B



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COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00000 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 12B MODEL.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 15+50.00 TO STA. 27+50.00
SCALE: 1" = 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	5C

VC = 300.00'
K = 173

BEGIN PROP BRIDGE
STA. 17+62.00

END PROP BRIDGE
STA. 22+42.00

VC = 700.00'
K = 165

VLP STA. 15+91.00
EL. 1428.23

VPT STA. 17+20.98
EL. 1428.71

VPC STA. 18+02.00
EL. 1429.32

VPI STA. 20+02.00
EL. 1430.82

VPT STA. 22+02.00
EL. 1429.32

VPC STA. 25+35.00
EL. 1426.82

VLP STA. 26+73.40
EL. 1426.31

-0.98%
+0.75%
+0.75%
+0.75%
-0.75%
-0.75%

TRAV-S3
PIN W/CAP
EL. 1425.90

BRIDGE ID: 90S23860001

TRAV-S8
MAG
EL. 1426.65

EX. GROUND

TRAV-S7
MAG
EL. 1425.32

TRAV-S9
MAG
EL. 1426.59

VPI STA. 15+70.98
EL. 1427.59

VHP STA. 20+02.00
EL. 1430.07

BEGIN SPECIAL DITCH LT
STA. 18+05.63 - EL. 1418.02

END SPECIAL DITCH RT
STA. 18+20.11 - EL. 1417.94

VC = 400.00'
K = 267

POST FLOOD SURVEY
EXISTING GROUND

POST FLOOD SURVEY
EXISTING GROUND

PRE-FLOOD TIR
EXISTING GROUND

1475 1470 1465 1460 1455 1450 1445 1440 1435 1430 1425 1420 1415 1410 1405 1400 1395 1390 1385 1380 1375

16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00

DRAINAGE/ HYDRAULIC DATA FOR BRIDGE

STATION 32+00, STREAM NAME: NOLICHUCKY RIVER
STREAM BED LINING: DEBRIS
DIRECTION OF FLOW: LEFT
DRAINAGE AREA 565,952 A.C; (_) FLAT; (_) ROLLING; (_) HILLY; (X) MTNS.
PRESENT STRUCTURE: SPAN NA, HEIGHT NA, STRUCTURE BOX NA, SUPER STRUCTURE NA
BEGIN STATION OFFSET NA, END STATION OFFSET NA
LOW BEAM ELEV. NA, OUTLET INVERT ELEV. NA
NORMAL WATER ELEV. , EXTREME HIGHWATER ELEV. 1427.00, DATE: 9-30-2024
HOW OBTAINED: FIELD EVIDENCE
BACKWATER FROM WHAT STREAM (IF APPLICABLE):
EXISTING STRUCTURE CONDITION: NA
SEE STREAM CROSS-SECTIONS FOR VEGETATIVE COVER.
SEE PRESENT LAYOUT FOR STREAM ALIGNMENT AND CROSS-SECTION LOCATIONS.
SEE CENTERLINE PROFILE OR FIELD BOOK FOR EXISTING BRIDGE OPENING SKETCHES.
REMARKS: THE BRIDGE NO LONGER EXISTS.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
PROFILE

STA. 15+50.00 TO STA. 27+50.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

10/30/2024 11:27:52 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	6

SR 353
CURVE SR353-1
PI 28+54.90
N 681671.4675
E 2975452.5386
Δ 05°13'50" LT.
D 01°00'19"
R 5700.00'
L 520.35'
T 260.36'
LC 520.17'
BC N40°38'34.1"E
SE NC
TRANS. LENGTH N/A
DESIGN SPEED 50 MPH

N

5 STEVEN & MARY FRANCES SCOTT

30

6A STEVEN W. SCOTT

WOODS

GRASS

END PROJECT NO. 90S353-M1-005 PRELIMINARY
STA. 33+00.00
N 682022.3610 E 2975726.9590

MATCH LINE STA. 27+50 SEE SHEET NO. 5

PROP. R.O.W.

EXISTING BOX CULVERT TO BE REMOVED

PRES. R.O.W.

4' X 4' RCBC L = 38.40'

4' X 4' RCBC L = 38.40'

ASP.

ASR. N38°01'39"E

11.4'
11.2'

BAILEY BRIDGE RD/SR 353

TRAV - S5
MAGNAIL
EL. 1451.20'

TRAV - S6
MAGNAIL
EL. 1441.59'

TRAV - S4
PINWCAP
EL. 1454.45'

FILL

FILL

PRES. R.O.W.

PRES. R.O.W.

PROP. R.O.W.

EIP

POST

WOODS

PT STA. 31+14.90

GRASS

6B STEVEN W. SCOTT

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	FEATURE
S6	34+38.36	13.60' RT	682122.9704	2975822.9071	1441.59	XCP
S5	37+05.21	13.67' LT	682349.9726	2975965.8109	1451.20	XCP
S4	37+84.84	12.45' RT	682396.6058	2976035.4504	1454.45	XCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 27+50.00 TO E.O.P.
SCALE: 1" = 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	6A

SR 353
CURVE SR353-1
PI 28+54.90
N 681671.4675
E 2975452.5386
Δ 05°13'50" LT.
D 01°00'19"
R 5700.00'
L 520.35'
T 260.36'
LC 520.17'
BC N40°38'34.1"E
SE NC
TRANS. LENGTH N/A
DESIGN SPEED 50 MPH

N22°09'45"E 84.90'
N14°46'37"E 79.64'
S49°59'42"E 193.98'
S33°38'51"E 320.88'
PL
EIP
5
STEVEN & MARY FRANCES SCOTT
30
6A
STEVEN W. SCOTT

END PROJECT NO. 90S353-M1-005 PRELIMINARY
STA. 33+00.00
N 682022.3610 E 2975726.9590

MATCH LINE STA. 27+50 SEE SHEET NO. 5A
PROP. R.O.W.
EXISTING BOX CULVERT TO BE REMOVED
PRES. R.O.W.
R=5689.58'
L=449.64'
R=5632.00'
L=485.86'
30+86.27
68.00'
S33°38'51"E
29.22'
30+77.16
40.21'
EIP
R=5689.58'
L=47.44'
N38°16'58"E
13.10'
31+24.87
49.02'
31+37.96
39.96'
N38°10'04"E
333.68'
34+71.85
39.14'
S51°49'40"E
10.00'
34+71.82
29.14'
PRES. R.O.W.
TRAV - S5
MAGNAIL
EL. 1451.20'
N38°10'20"E
672.85'
ASP.
ASR.
N38°01'39"E
11.4'
11.2'
BAILEY BRIDGE RD/SR 353
TRAV - S6
MAGNAIL
EL. 1441.59'
TRAV - S4
PINWCAP
EL. 1454.45'
N38°10'25"E
1023.34'
PRES. R.O.W.
R=5769.58'
L=504.07'
FILL
PRES. R.O.W.
FILL
R=5764.00'
L=435.29'
PROP. R.O.W.
30+35.00
39.61'
N38°03'42"E
13.10'
31+24.66
39.98'
31+37.76
39.99'
POST
30+25.00
64.00'
N28°38'30"W
26.39'
PT STA. 31+14.90
6B
STEVEN W. SCOTT
S37°39'56"W
983.37'
S56°13'19"E
337.96'

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	FEATURE
S6	34+38.36	13.60' RT	682122.9704	2975822.9071	1441.59	XCP
S5	37+05.21	13.67' LT	682349.9726	2975965.8109	1451.20	XCP
S4	37+84.84	12.45' RT	682396.6058	2976035.4504	1454.45	XCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. DETAILS

STA. 27+50.00 TO E.O.P.
SCALE: 1" = 50'

10/30/2024 11:28:14 AM
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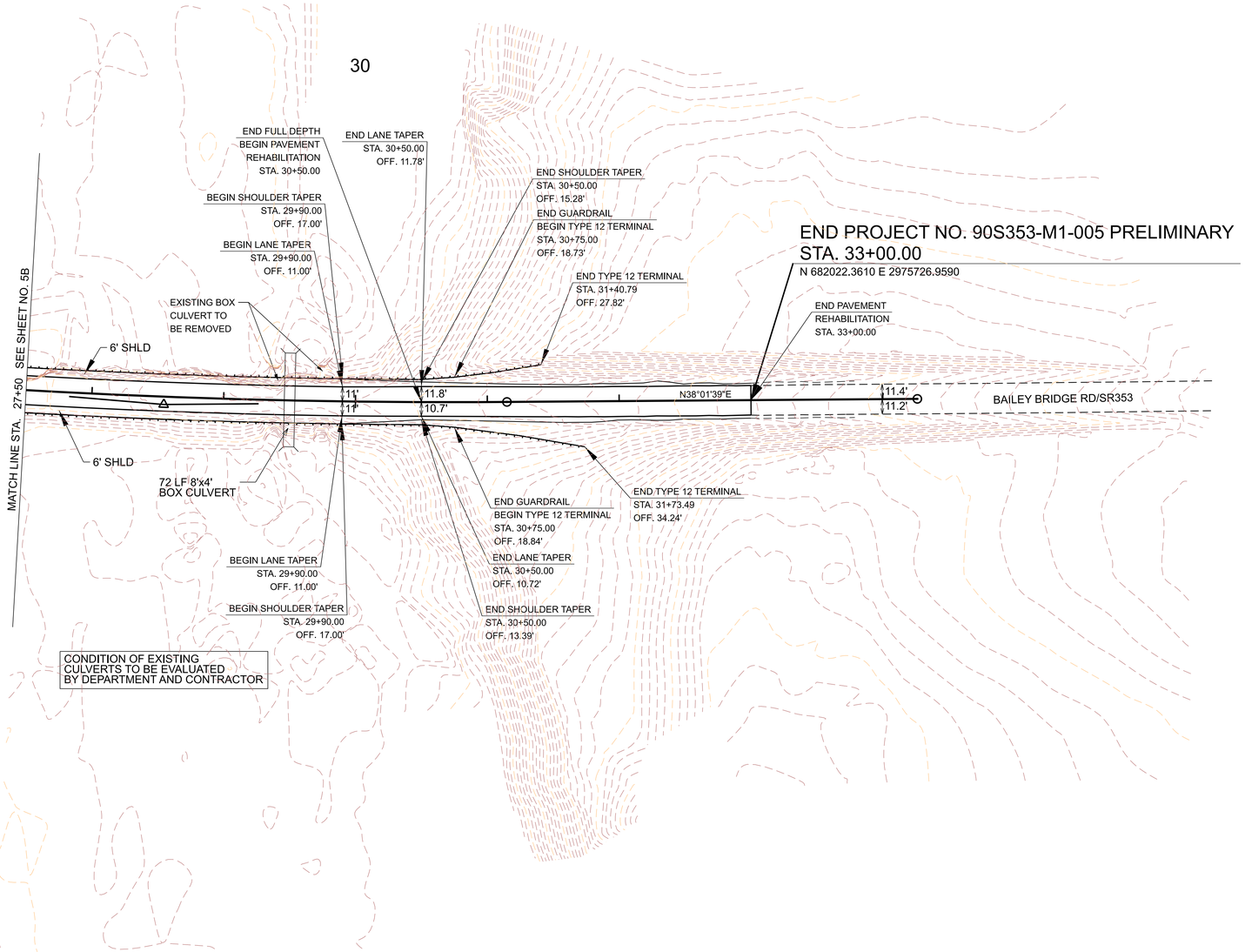
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	6B



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TO THE NAVD 1988 WITH GEOID 12B MODEL.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 27+50.00 TO E.O.P.
SCALE: 1" = 50'

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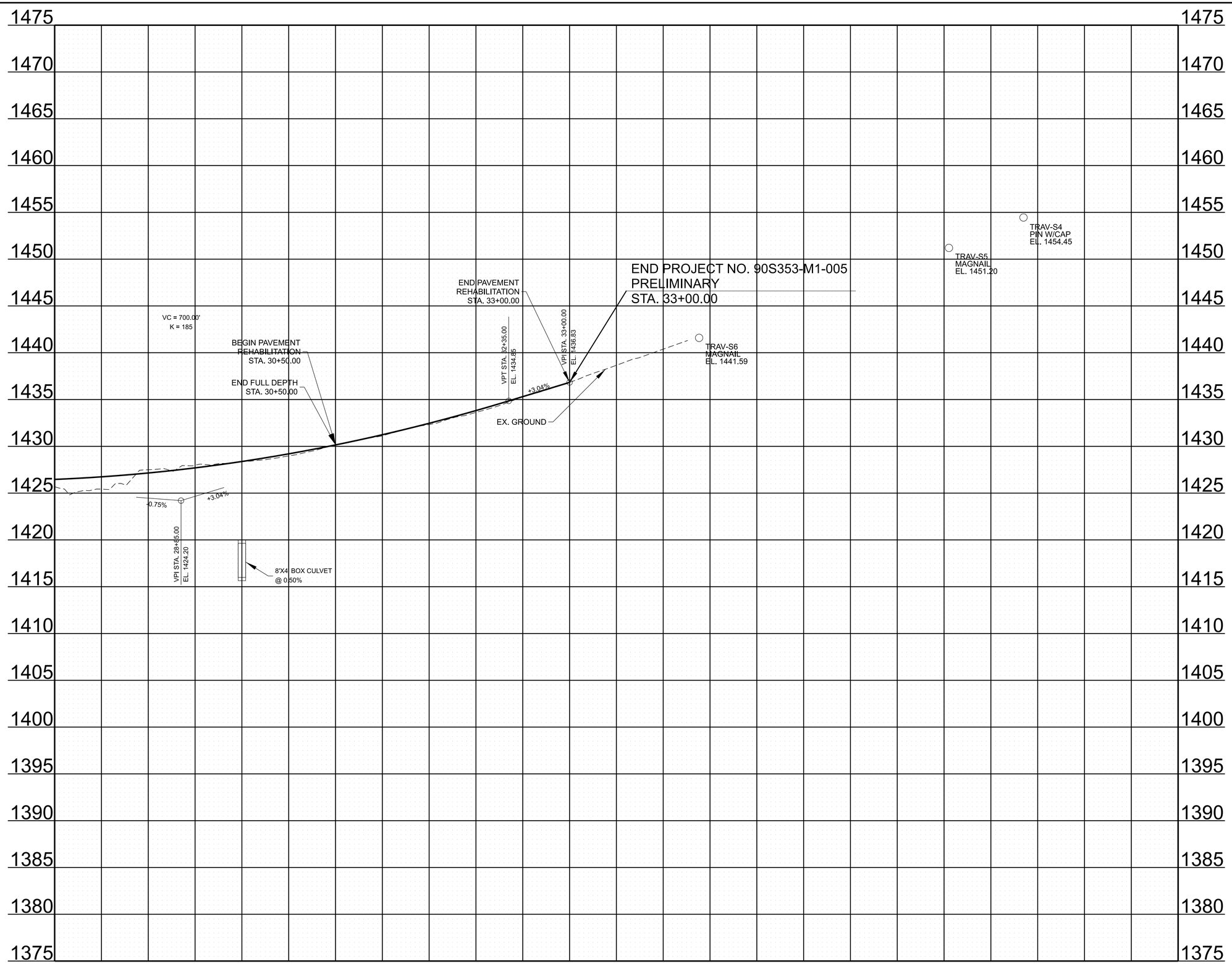
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	6C



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
PROFILE

STA. 27+50.00 TO STA. E.O.P.

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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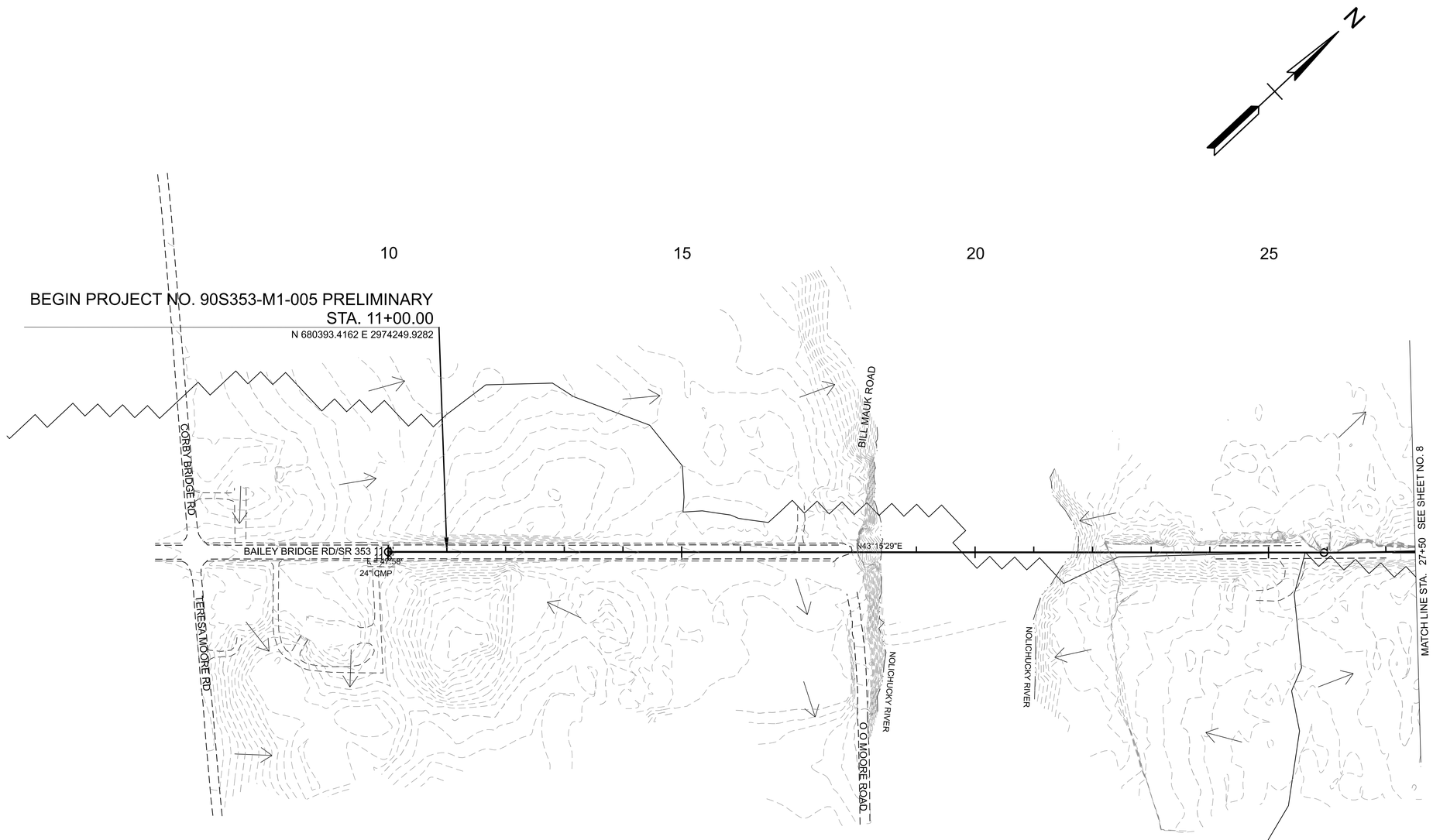
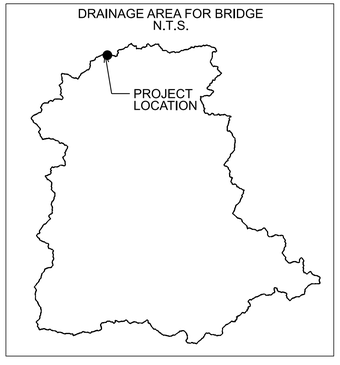
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	7





DRAINAGE/ HYDRAULIC DATA FOR BRIDGE

STATION 20+02, STREAM NAME: NOLICHUCKY RIVER
STREAM BED LINING: DEBRIS
DIRECTION OF FLOW: LEFT
DRAINAGE AREA 565,952 A.C; (_) FLAT; (_) ROLLING; (_) HILLY; (X) MTNS.
PRESENT STRUCTURE: SPAN NA, HEIGHT NA, STRUCTURE BOX NA,
SUPER STRUCTURE NA
BEGIN STATION OFFSET NA, END STATION OFFSET NA
LOW BEAM ELEV. NA, OUTLET INVERT ELEV. NA
NORMAL WATER ELEV. , EXTREME HIGHWATER ELEV. 1427.00,
DATE: 9-30-2024
HOW OBTAINED: FIELD EVIDENCE
BACKWATER FROM WHAT STREAM (IF APPLICABLE):
EXISTING STRUCTURE CONDITION: NA
SEE STREAM CROSS-SECTIONS FOR VEGETATIVE COVER.
SEE PRESENT LAYOUT FOR STREAM ALIGNMENT AND CROSS-SECTION LOCATIONS.
SEE CENTERLINE PROFILE OR FIELD BOOK FOR EXISTING BRIDGE OPENING SKETCHES.
REMARKS: THE BRIDGE NO LONGER EXISTS.

SEALED BY

COORDINATES ARE NAD 83(2011), ARE
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

B.O.P. TO STA. 27+50.00
SCALE: 1" = 100'

10/30/2024 11:28:45 AM
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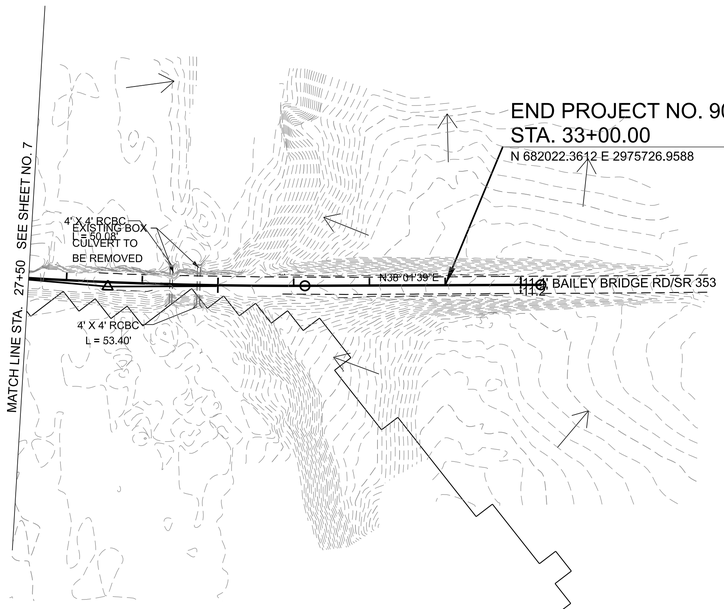
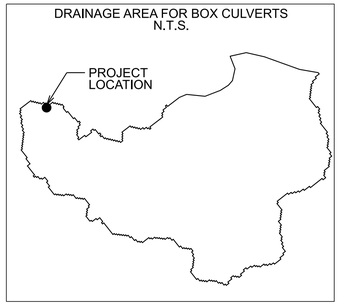
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	8

30





STATION 20+02, STREAM NAME: UNNAMED TRIBUTARY TO NOLICHUCKY RIVER
STREAM BED LINING: DEBRIS
DIRECTION OF FLOW: LEFT
DRAINAGE AREA 313.6 A.C; (_) FLAT; (_) ROLLING; (_) HILLY; (X) MTNS.
PRESENT STRUCTURE: (2) 4'x4' REINFORCED CONCRETE BOX CULVERTS
BEGIN STATION OFFSET NA, END STATION OFFSET NA
LOW BEAM ELEV. NA, OUTLET INVERT ELEV. NA
NORMAL WATER ELEV. , EXTREME HIGHWATER ELEV.
DATE: 9-30-2024
HOW OBTAINED: FIELD EVIDENCE
BACKWATER FROM WHAT STREAM (IF APPLICABLE):
EXISTING STRUCTURE CONDITION: N/A .
SEE PRESENT LAYOUT FOR STREAM ALIGNMENT AND CROSS-SECTION LOCATIONS.
REMARKS: BOTH CULVERTS WERE DAMAGED DURING FLOOD EVENT.
CONTRACTOR AND TDOT TO EVALUATE EXISITNG CONDITION OF REMAINING CULVERT.

SEALED BY

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OF 1.00000 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 12B MODEL.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 27+50.00 TO E.O.P.
SCALE: 1" = 100'

10/30/2024 11:28:46 AM
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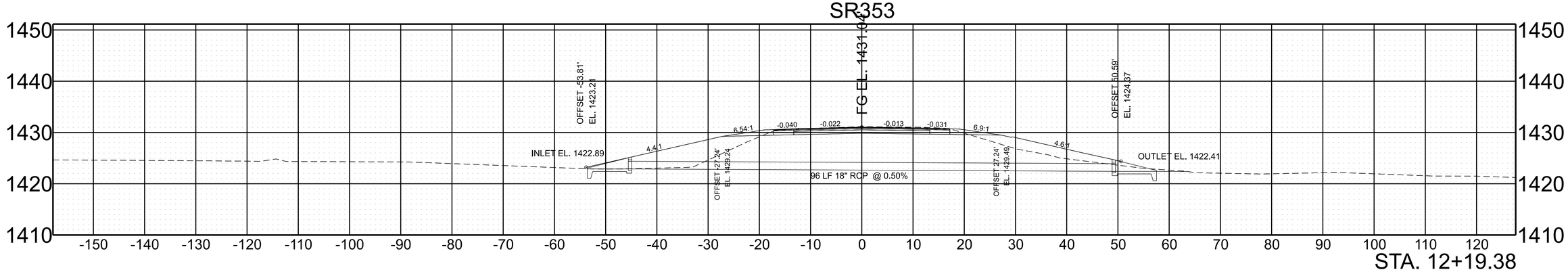
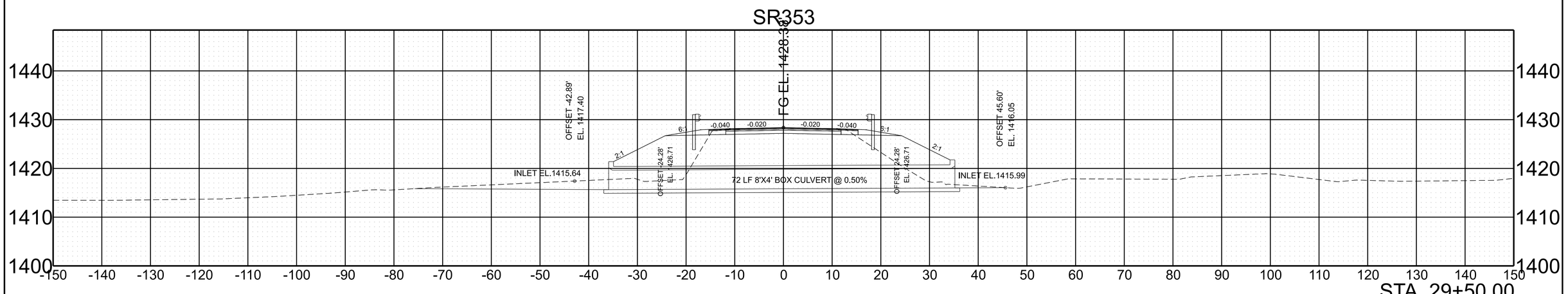
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	9





SCALE:	1"=10' HORIZ.	BEGIN STA. 29+50.00
	1"=10' VERT.	END STA. 29+50.00

10/30/2024 11:28:58 AM
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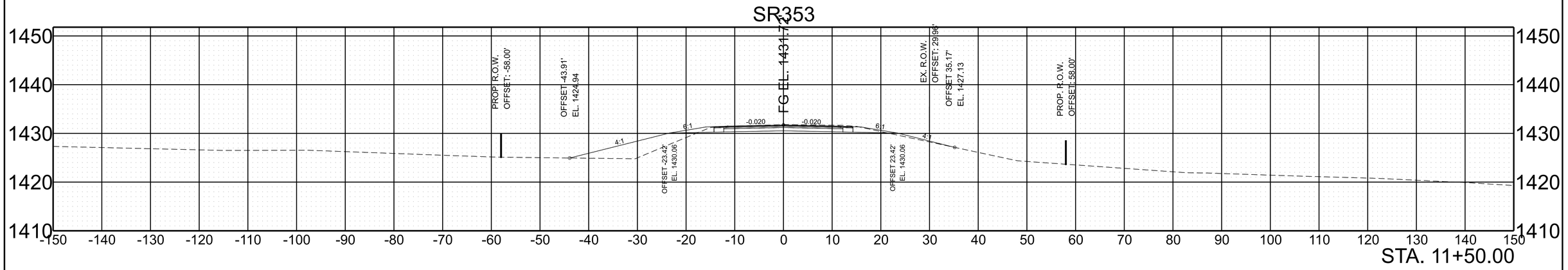
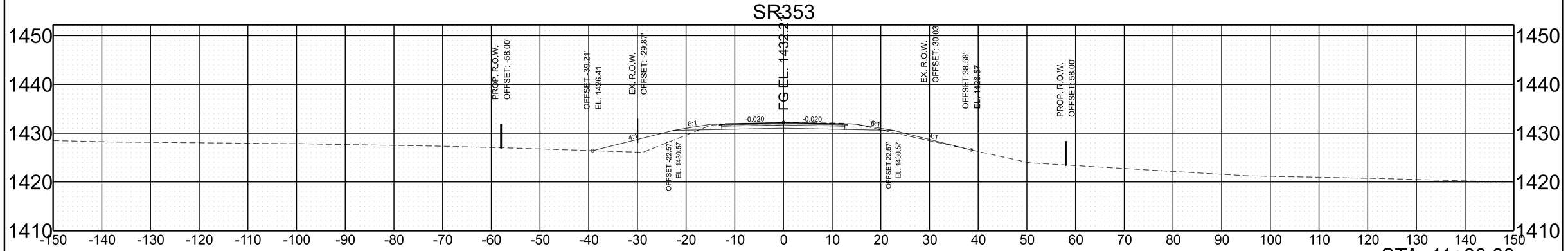
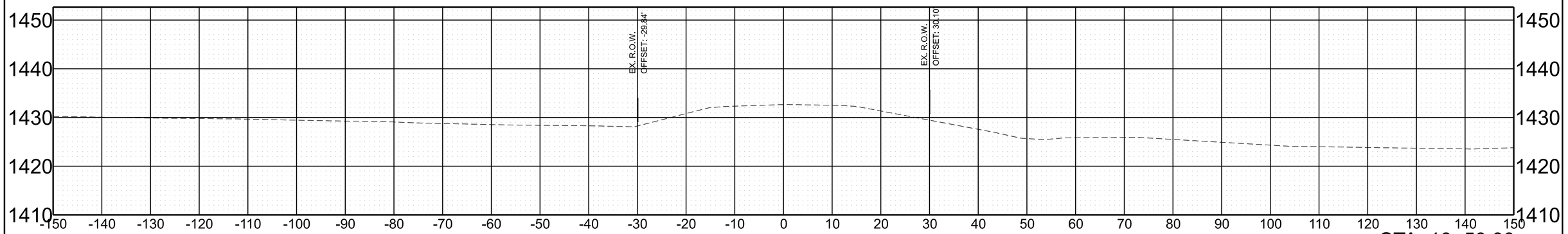
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	10







SCALE:	1"=10' HORIZ.	BEGIN STA. 10+50.00
	1"=10' VERT.	END STA. 11+50.00

10/30/2024 11:29:08 AM
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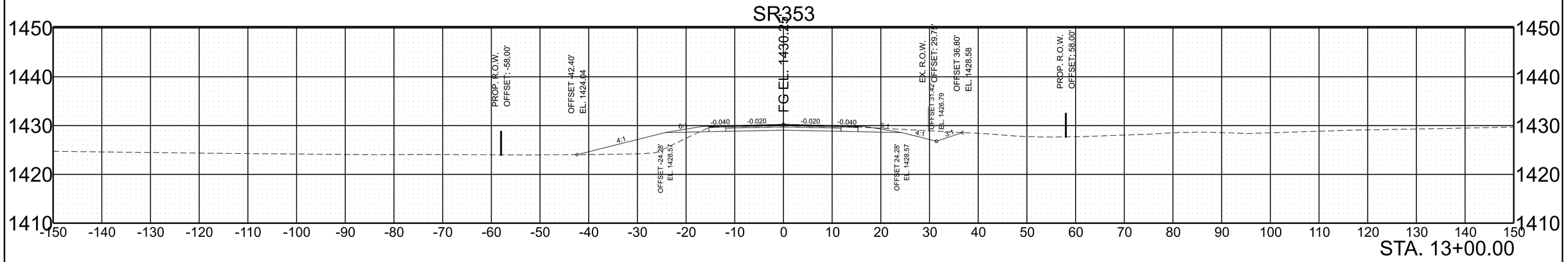
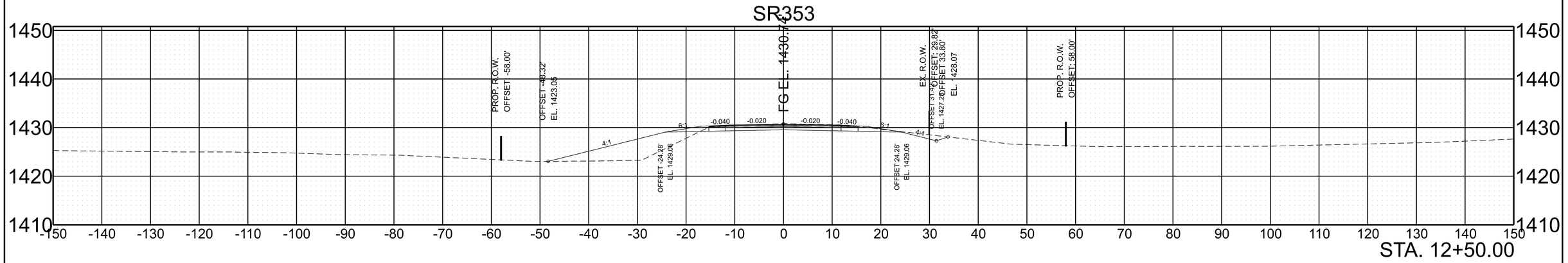
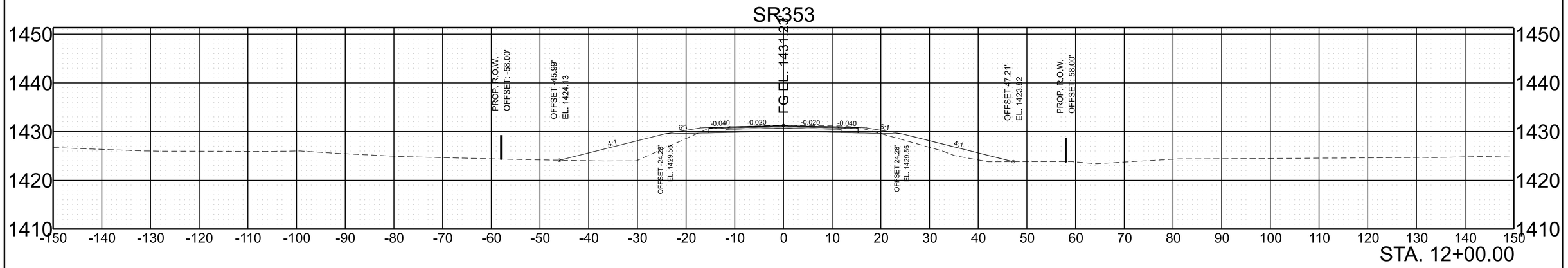
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	11







SCALE:	1"=10' HORIZ.	BEGIN STA. 12+00.00
	1"=10' VERT.	END STA. 13+00.00

10/30/2024 11:29:09 AM
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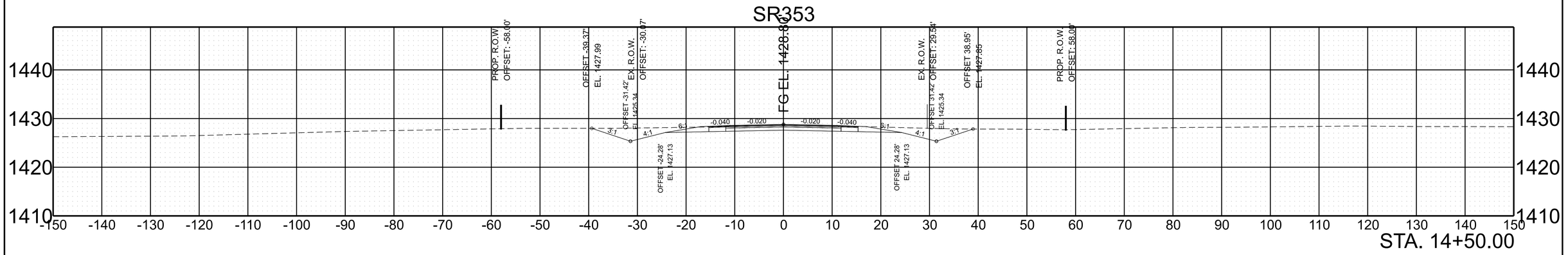
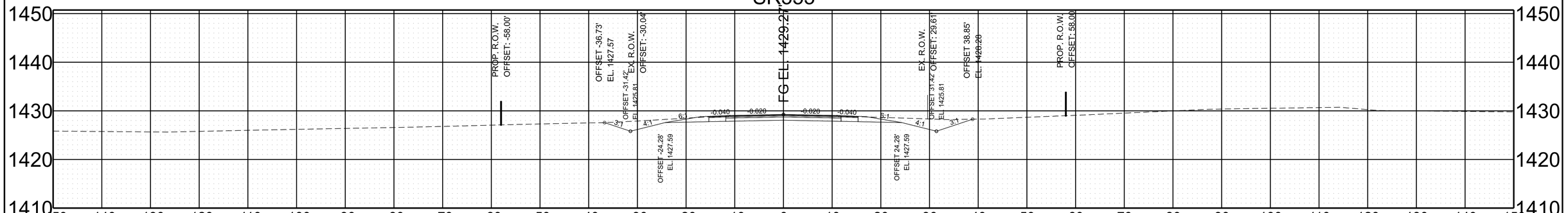
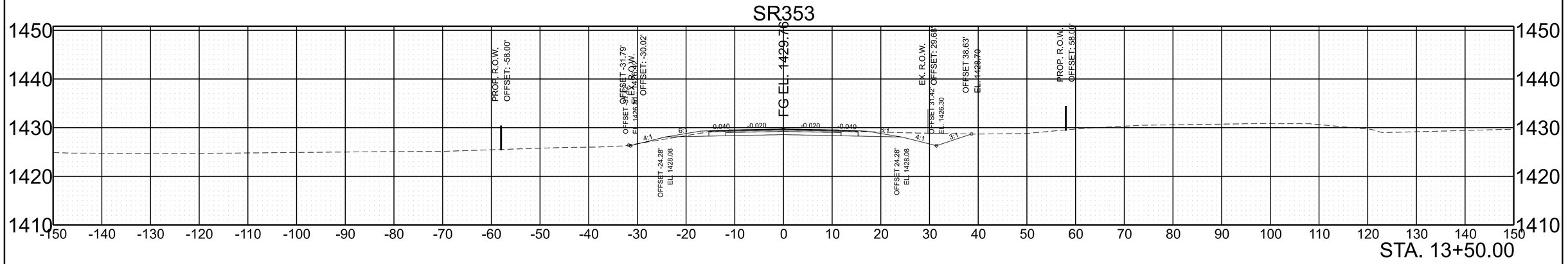
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	12



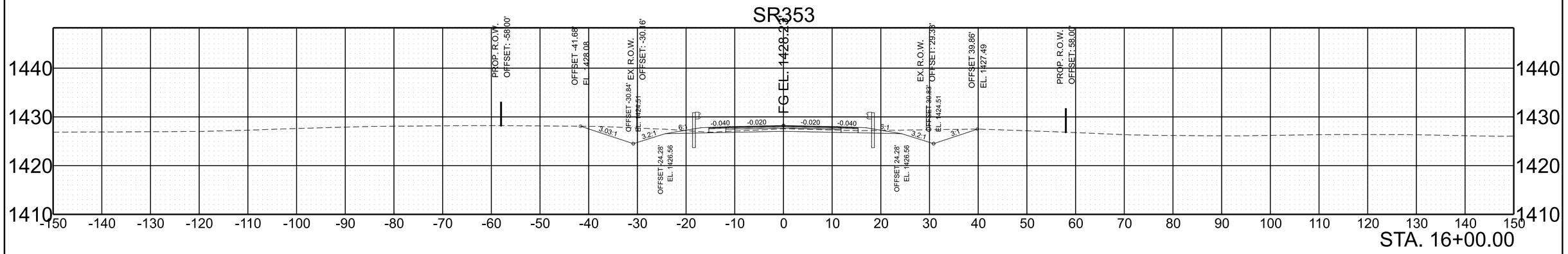


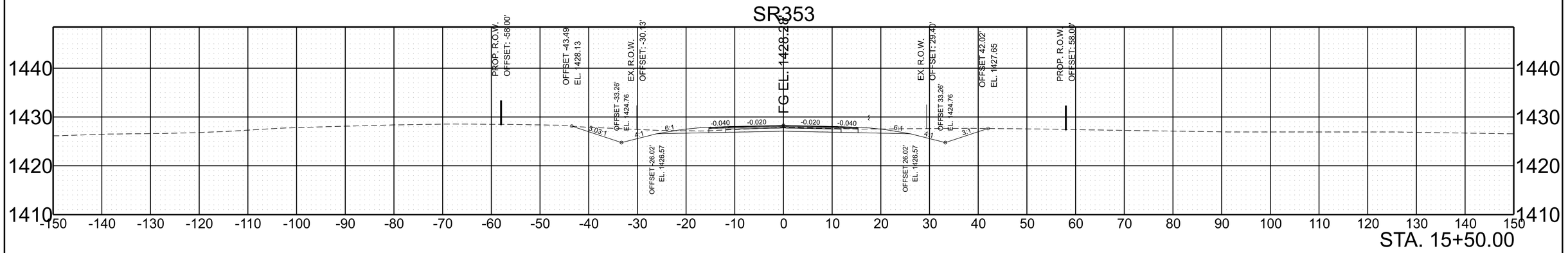


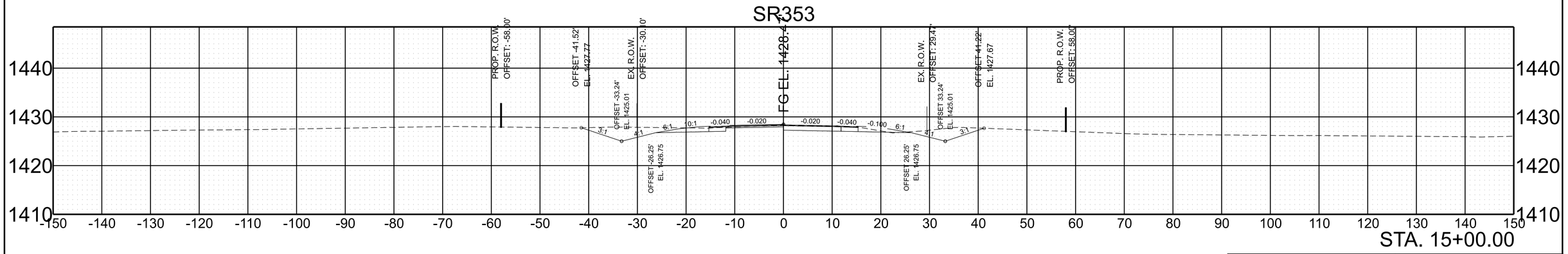
SCALE:	1"=10' HORIZ.	BEGIN STA. 13+50.00
	1"=10' VERT.	END STA. 14+50.00

10/30/2024 11:29:10 AM
C:\TMP\PWISE\D0151299\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	13



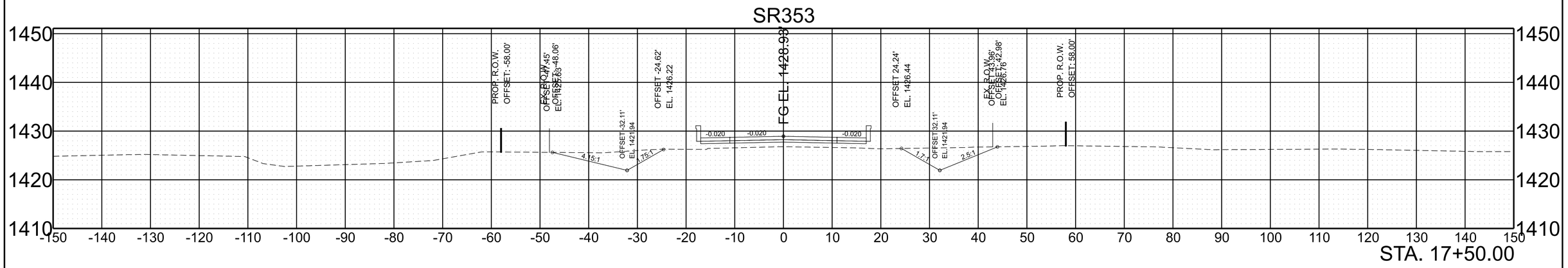


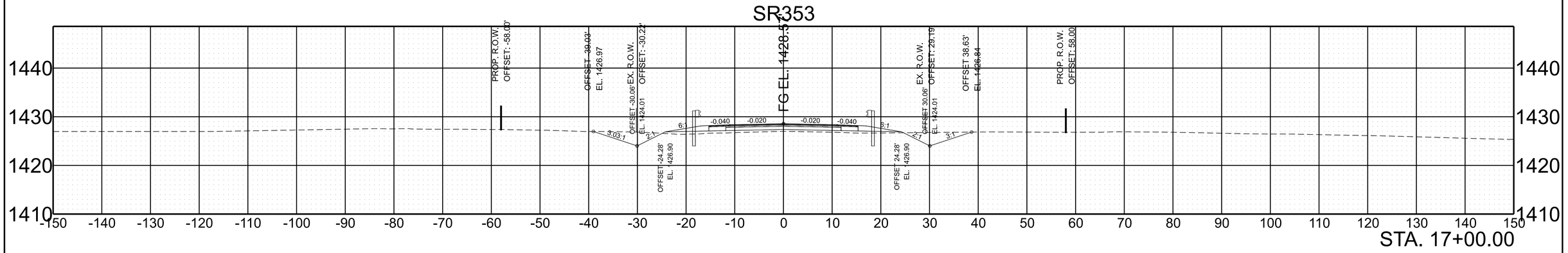


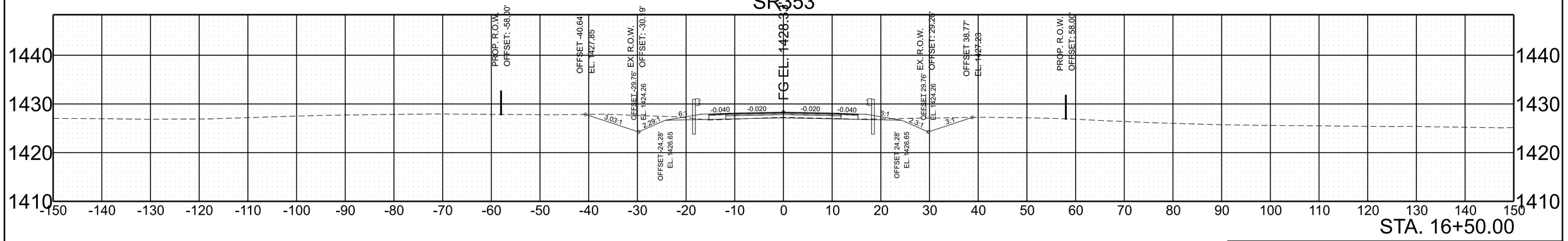
SCALE:	1"=10' HORIZ.	BEGIN STA. 15+00.00
	1"=10' VERT.	END STA. 16+00.00

10/30/2024 11:29:12 AM
C:\TMP\PWISE\D0151299\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	14



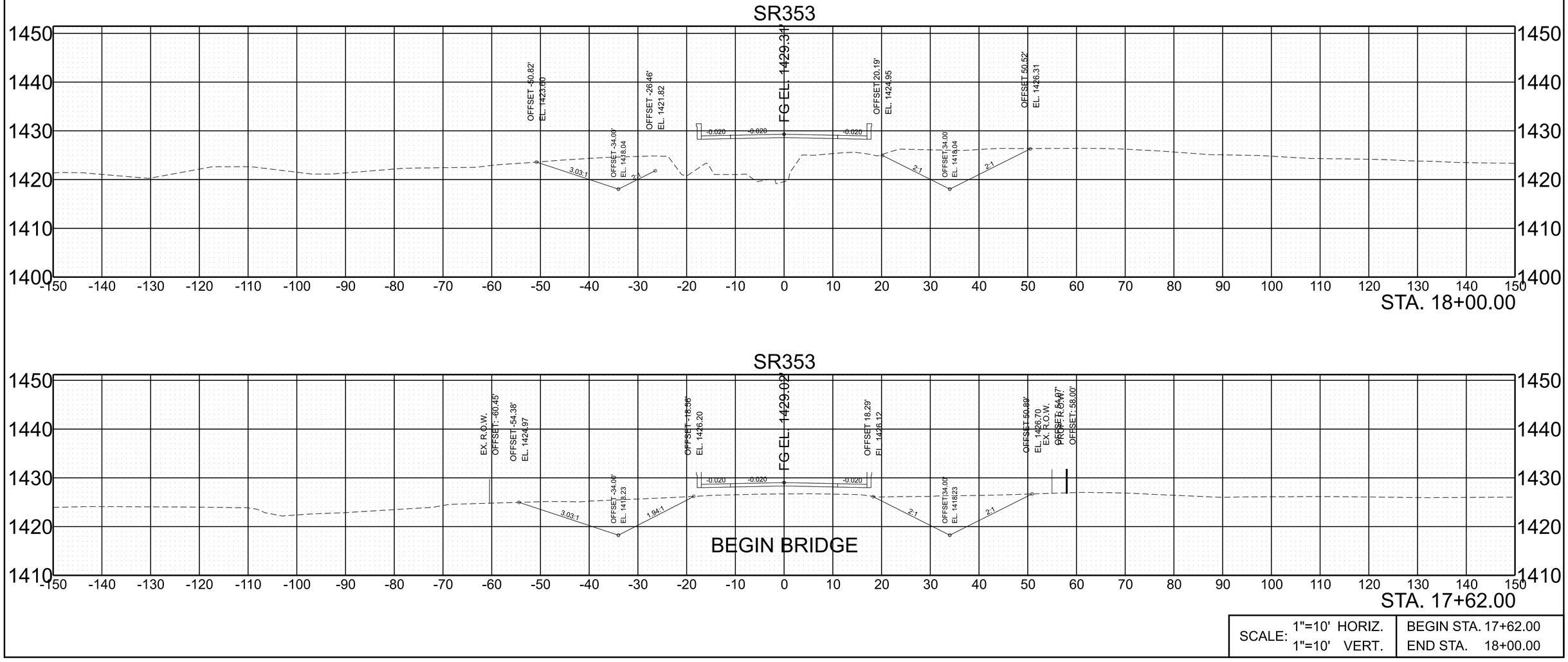




SCALE:	1"=10' HORIZ.	BEGIN STA. 16+50.00
	1"=10' VERT.	END STA. 17+50.00

10/30/2024 11:29:13 AM
C:\TMP\PWISE\D0151299\90S353-SHT-XS-SR353.DGN

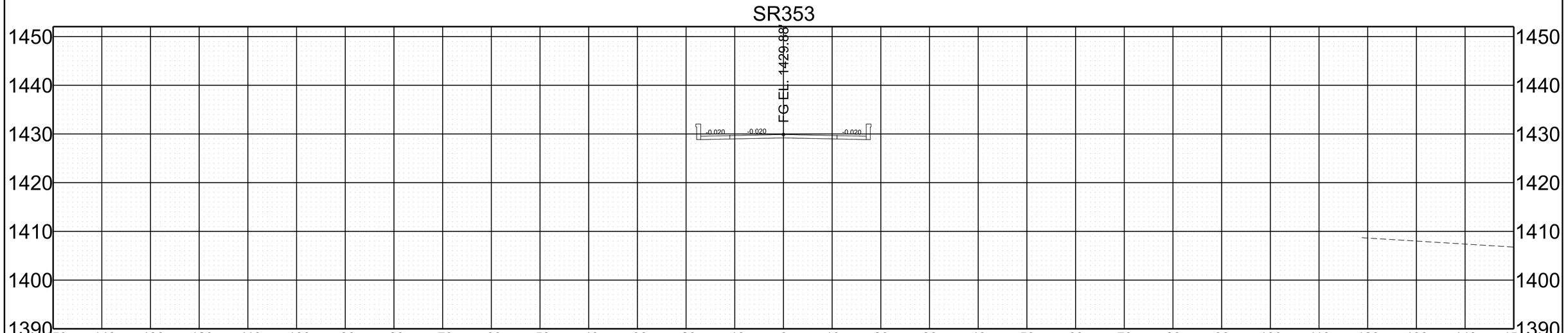
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	15

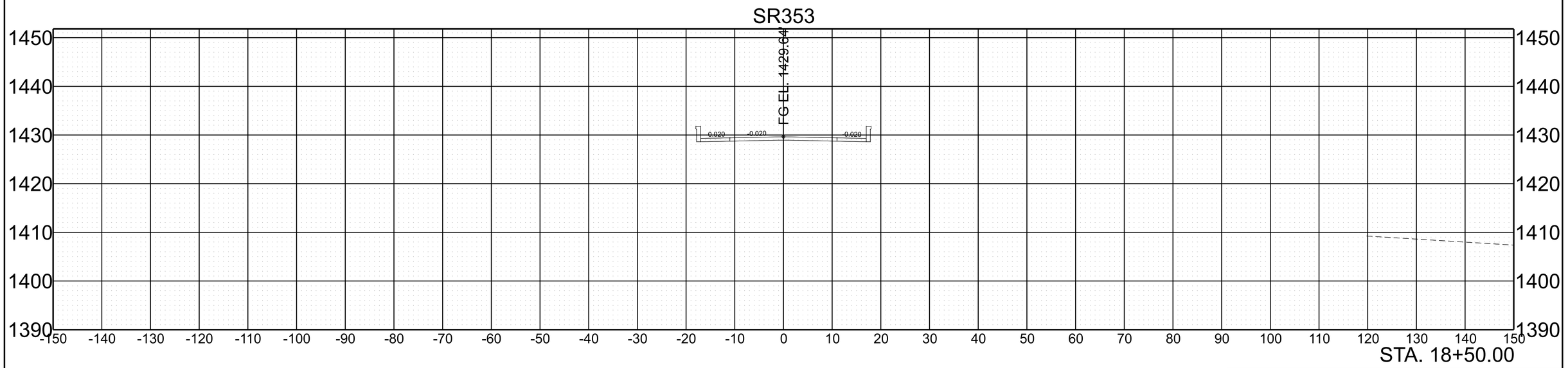


SCALE:		
	1"=10' HORIZ.	BEGIN STA. 17+62.00
	1"=10' VERT.	END STA. 18+00.00

10/30/2024 11:29:14 AM
C:\TMP\PWISEID\D151299\I90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	16





SCALE:		
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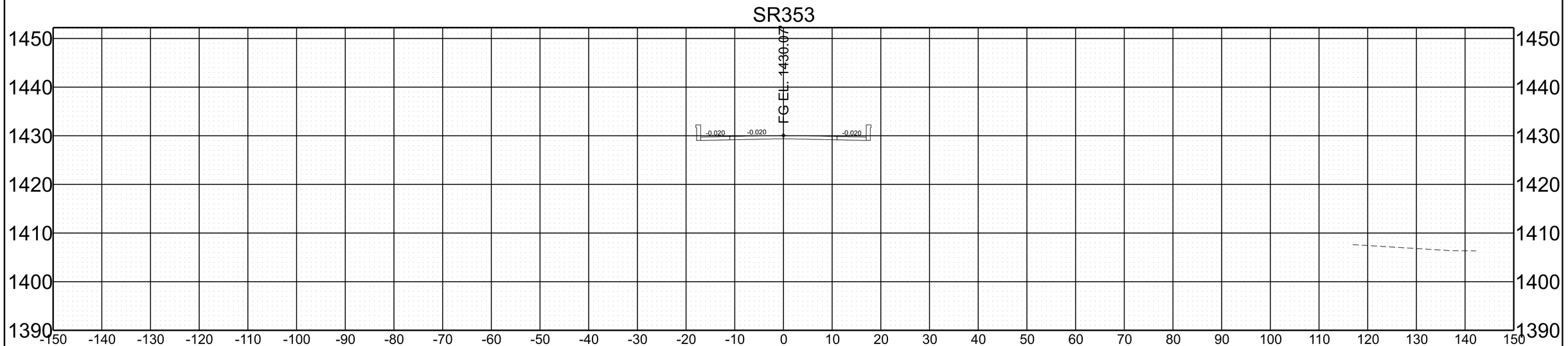
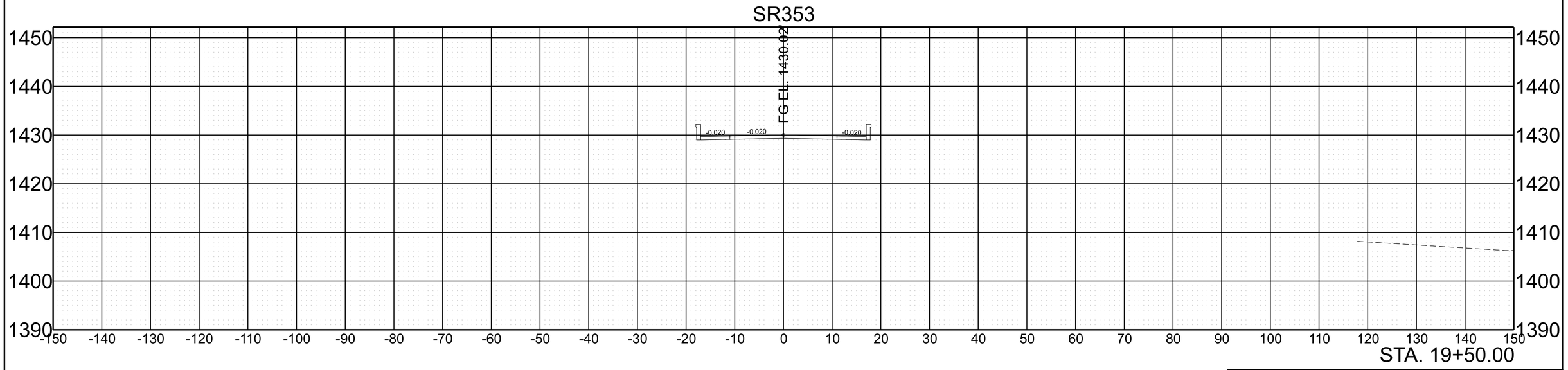
	1"=10' VERT.	END STA. 19+00.00

10/30/2024 11:29:15 AM
C:\TMP\PWISE\D0151299\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	17

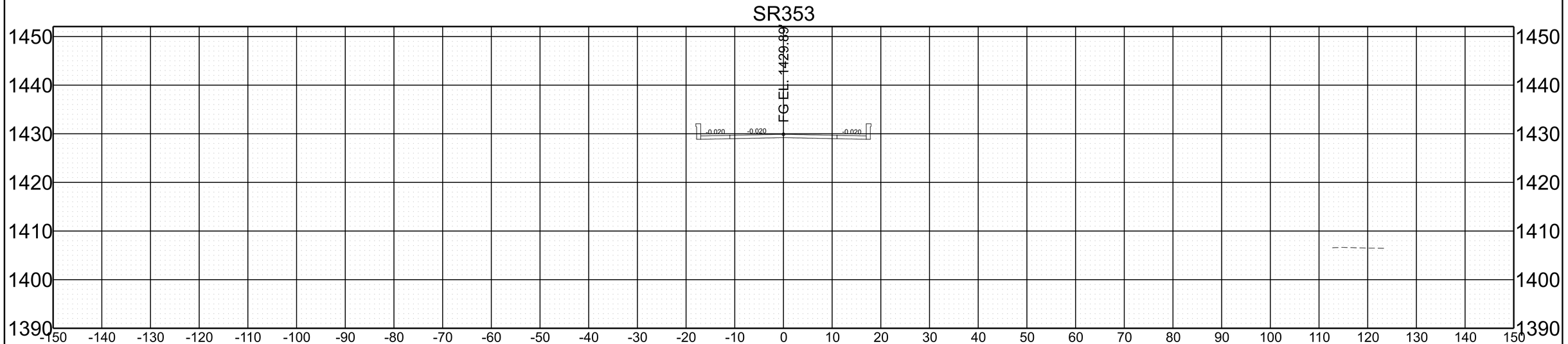


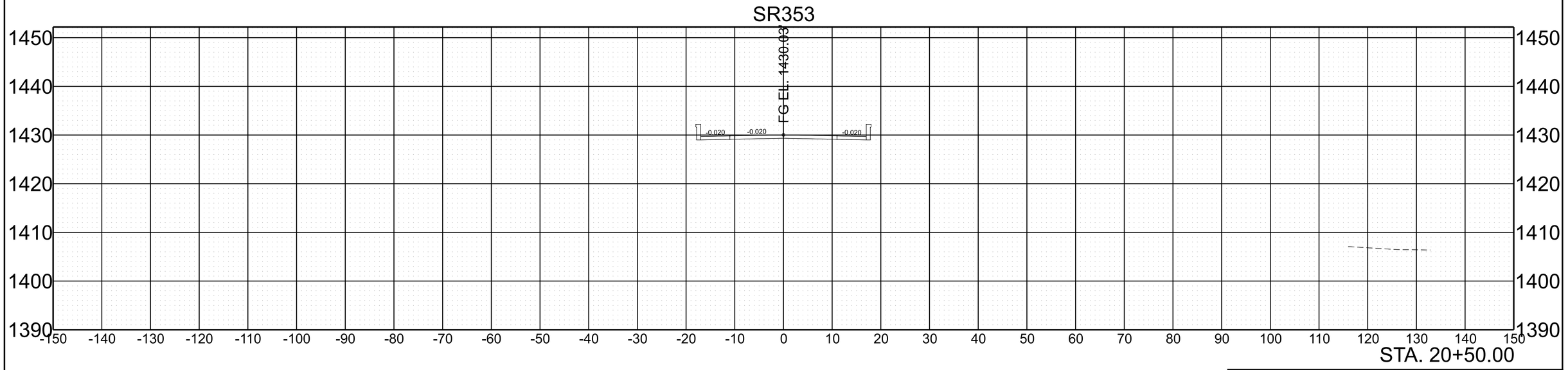


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 19+50.00 END STA. 20+00.00

10/30/2024 11:29:16 AM
C:\TMP\PWISED01512999\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	18

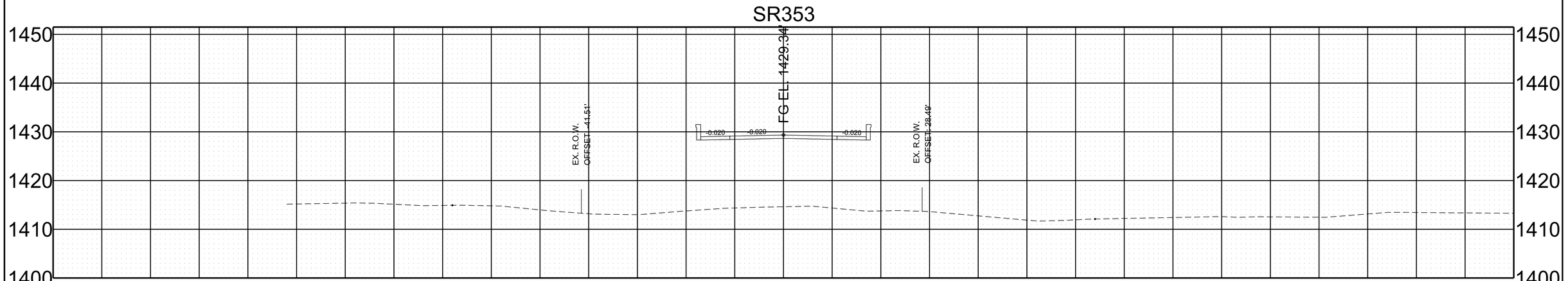


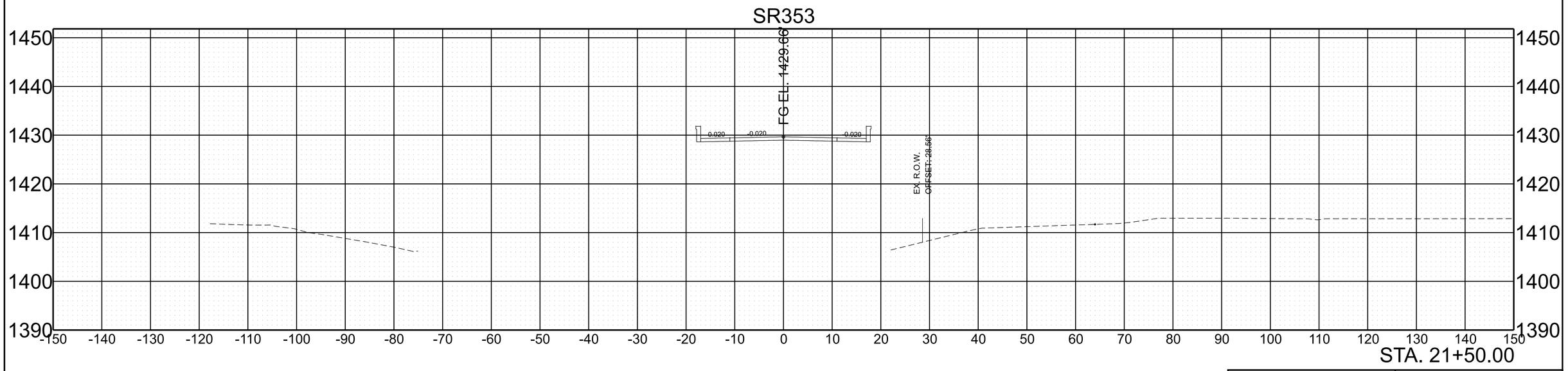


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 20+50.00 END STA. 21+00.00

10/30/2024 11:29:17 AM
C:\TMP\PWISED01512999\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	19





SCALE:		
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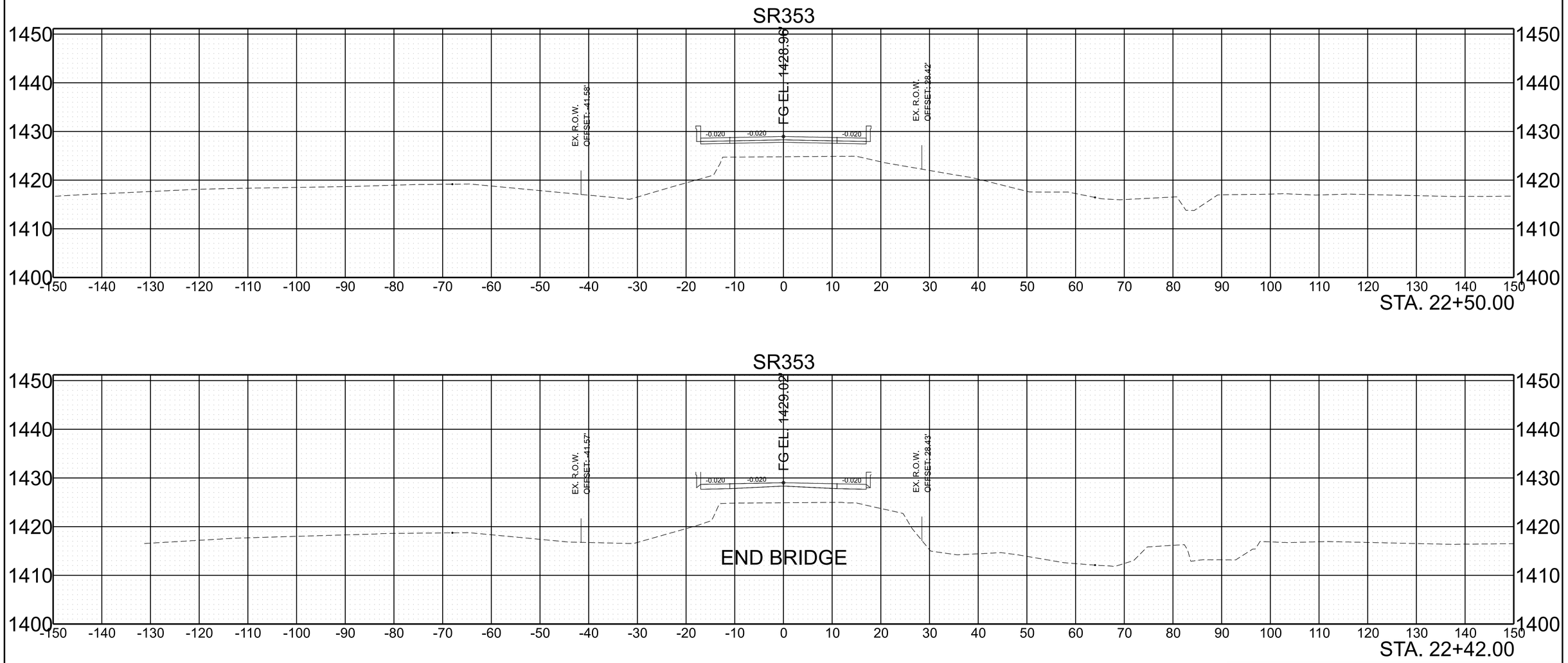
	1"=10' VERT.	END STA. 22+00.00

10/30/2024 11:29:18 AM
C:\TMP\PWISE\D0151299\90S353-SHT-XS-SR353.DGN

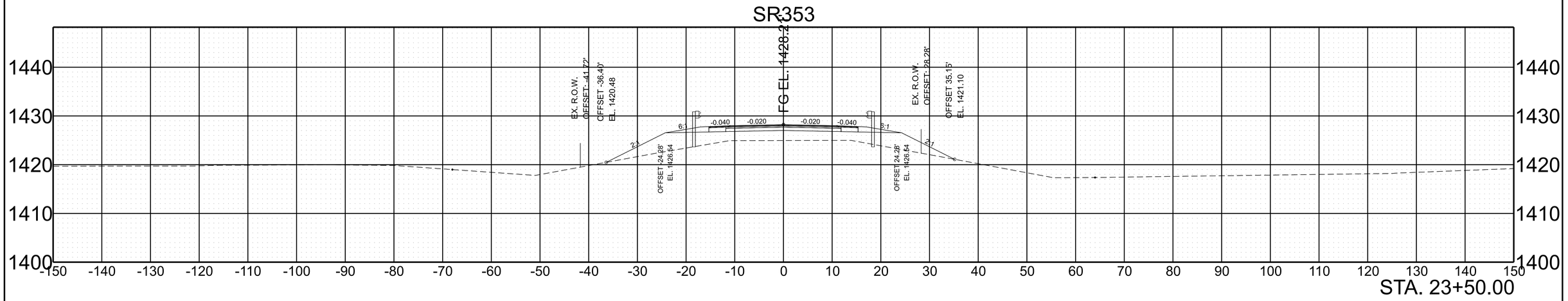
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	20

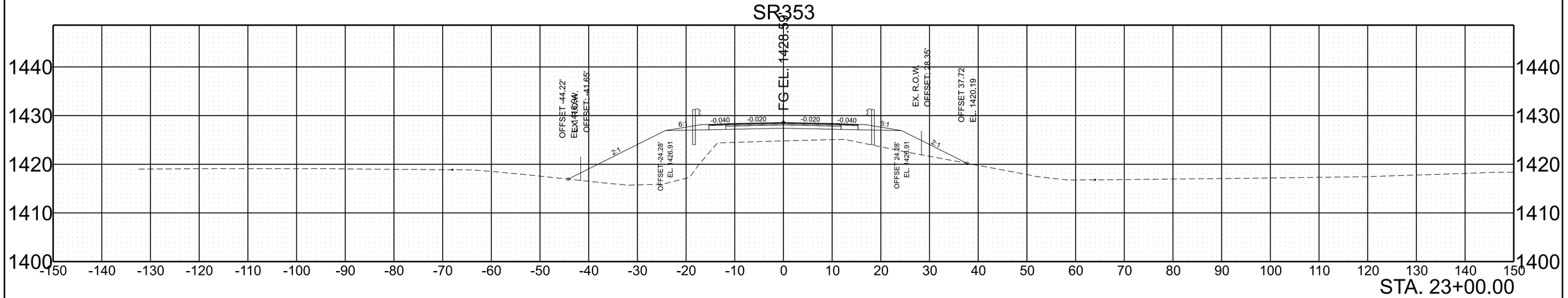


SCALE:	1"=10' HORIZ.	BEGIN STA. 22+42.00
	1"=10' VERT.	END STA. 22+50.00

10/30/2024 11:29:19 AM
C:\TMP\PWSEID\015\299\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	21





SCALE:		
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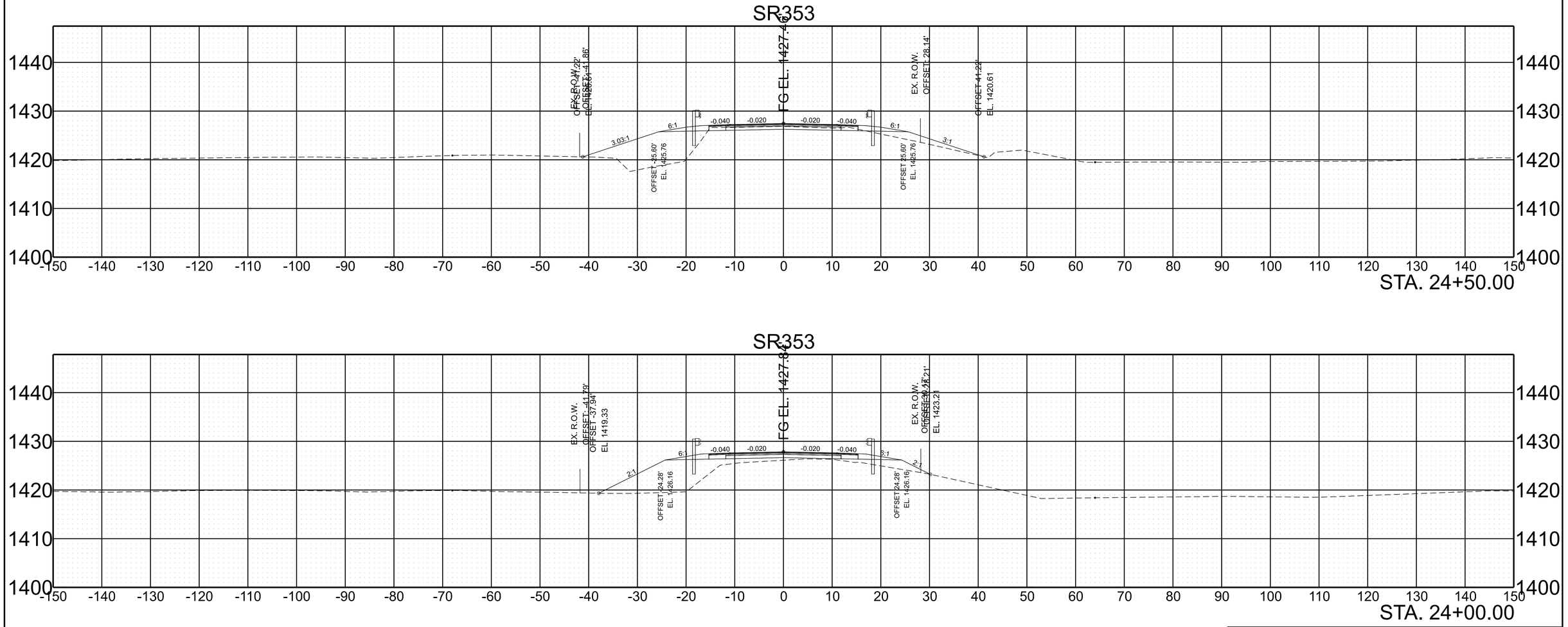
	1"=10' VERT.	END STA. 23+50.00

10/30/2024 11:29:20 AM
C:\TMP\PWISE\D0151299\90S353-SHT-XS-SR353.DGN

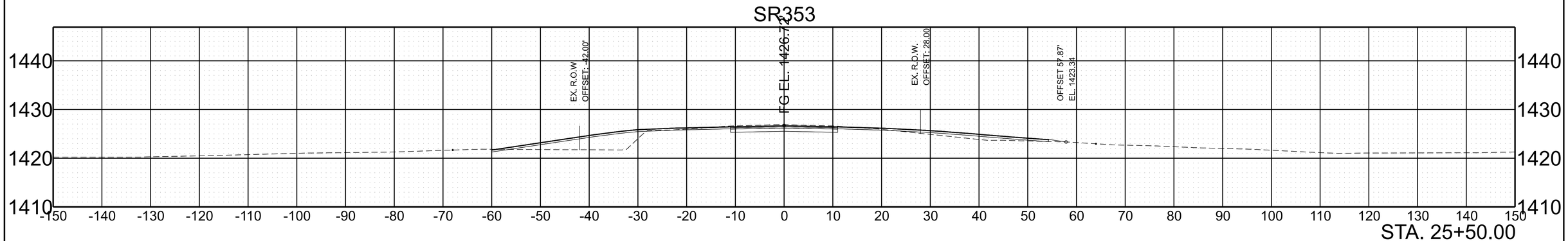
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	22

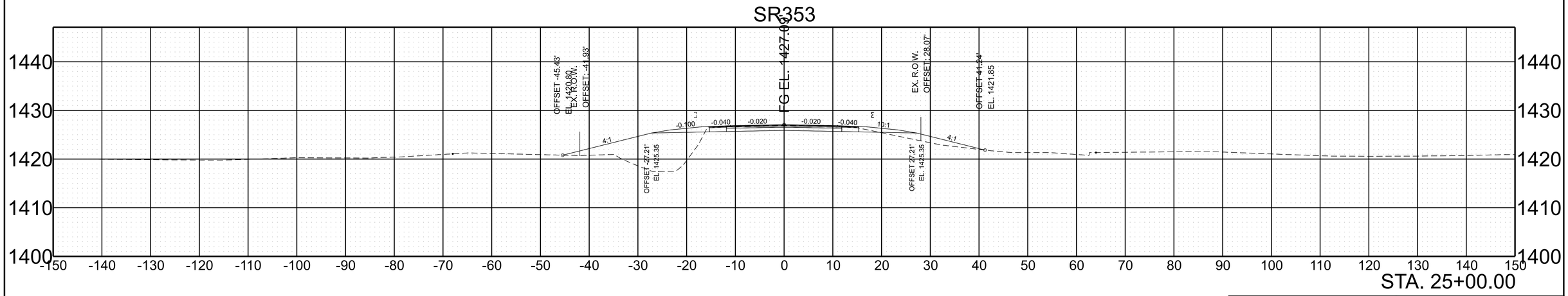


SCALE:	1"=10' HORIZ.	BEGIN STA. 24+00.00
	1"=10' VERT.	END STA. 24+50.00

10/30/2024 11:29:21 AM
C:\TMP\PWISEID0151299\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	23

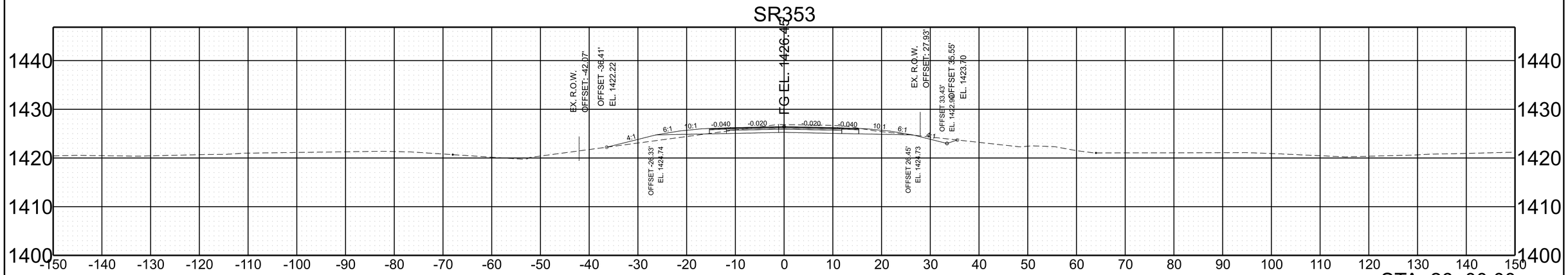


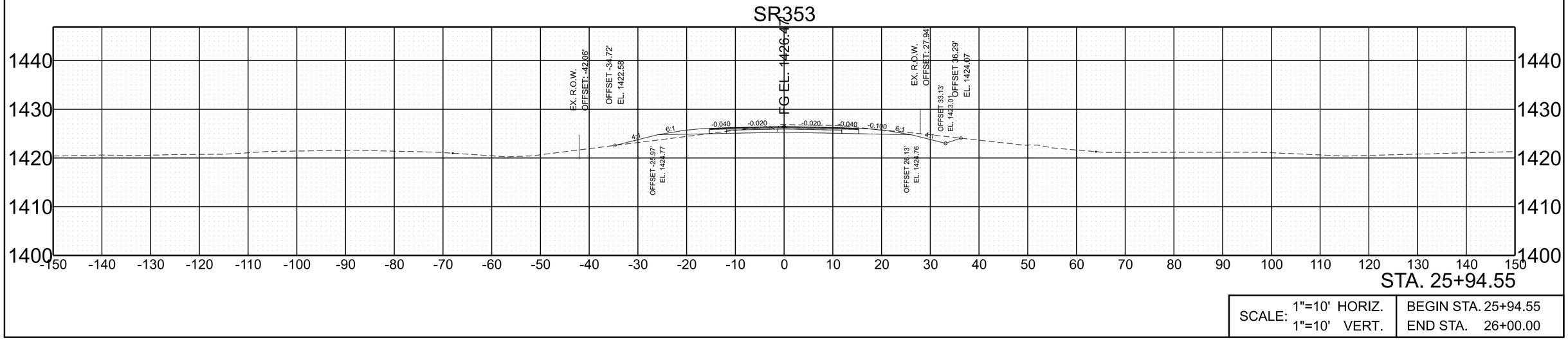


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 25+00.00 END STA. 25+94.55

10/30/2024 11:29:22 AM
C:\TMP\PWISE\D0151299\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	24

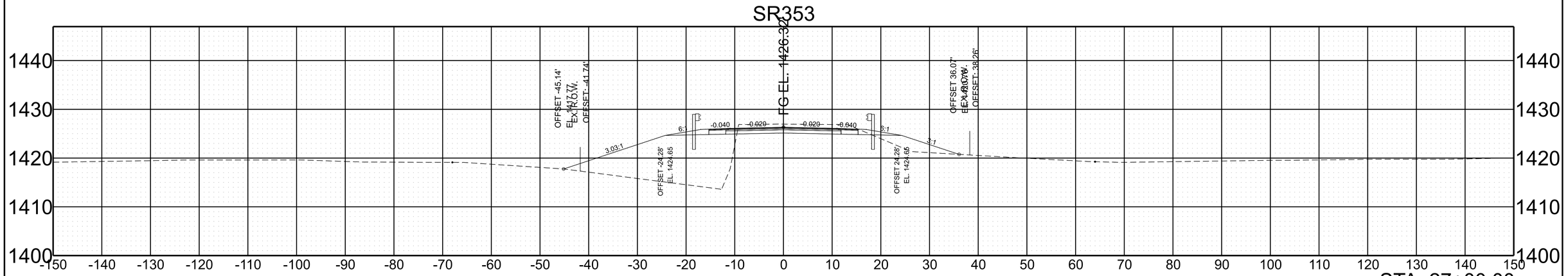


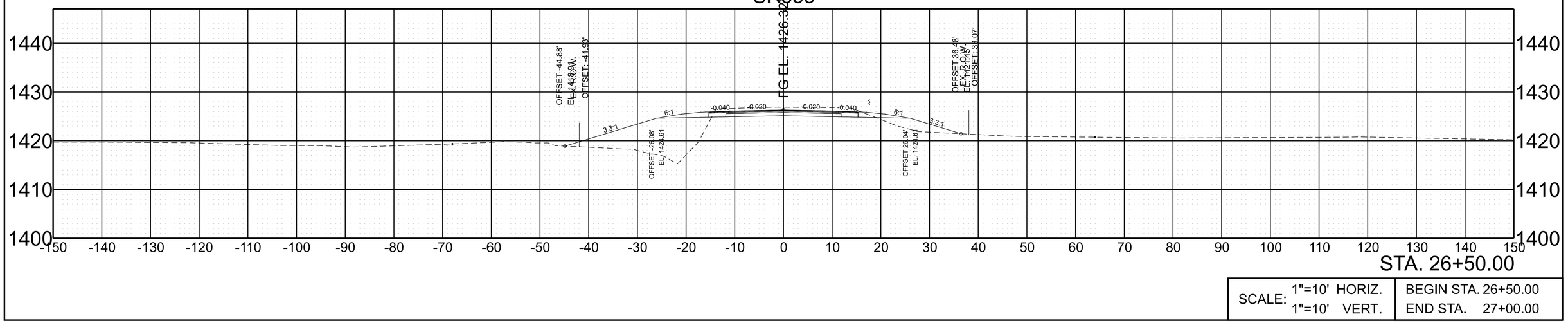


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 25+94.55 END STA. 26+00.00

10/30/2024 11:29:23 AM
C:\TMP\PWISEID\0151299\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	25

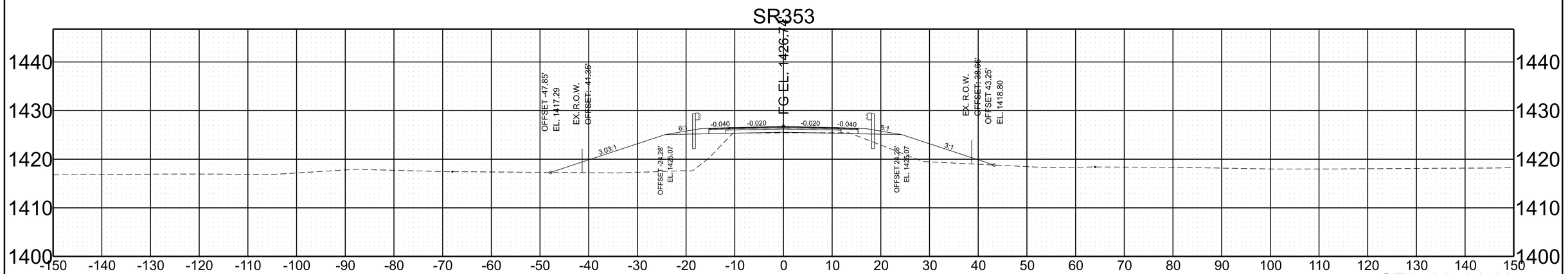


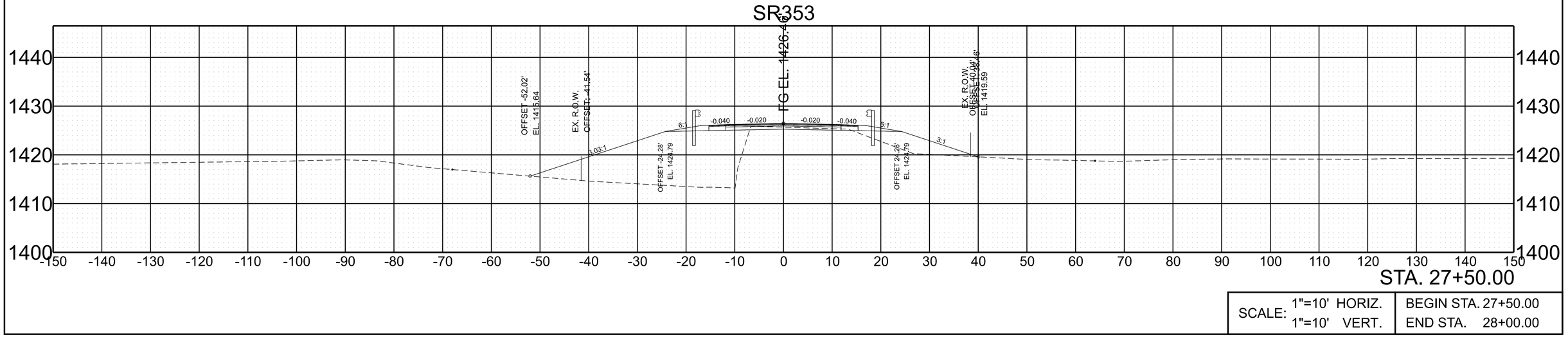


SCALE:	1"=10' HORIZ.	BEGIN STA. 26+50.00
	1"=10' VERT.	END STA. 27+00.00

10/30/2024 11:29:24 AM
C:\TMP\PWISEID015129919\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	26

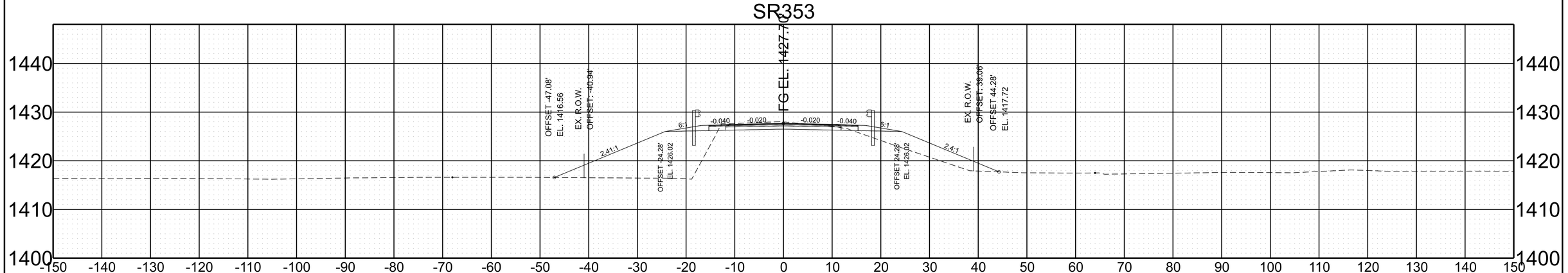


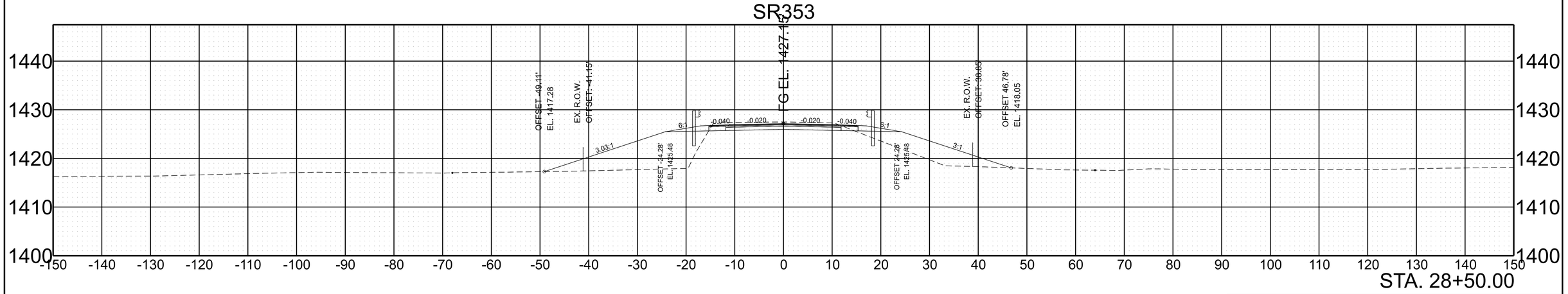


SCALE:	1"=10' HORIZ.	BEGIN STA. 27+50.00
	1"=10' VERT.	END STA. 28+00.00

10/30/2024 11:29:25 AM
C:\TMP\PWISE\D0151299\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	27

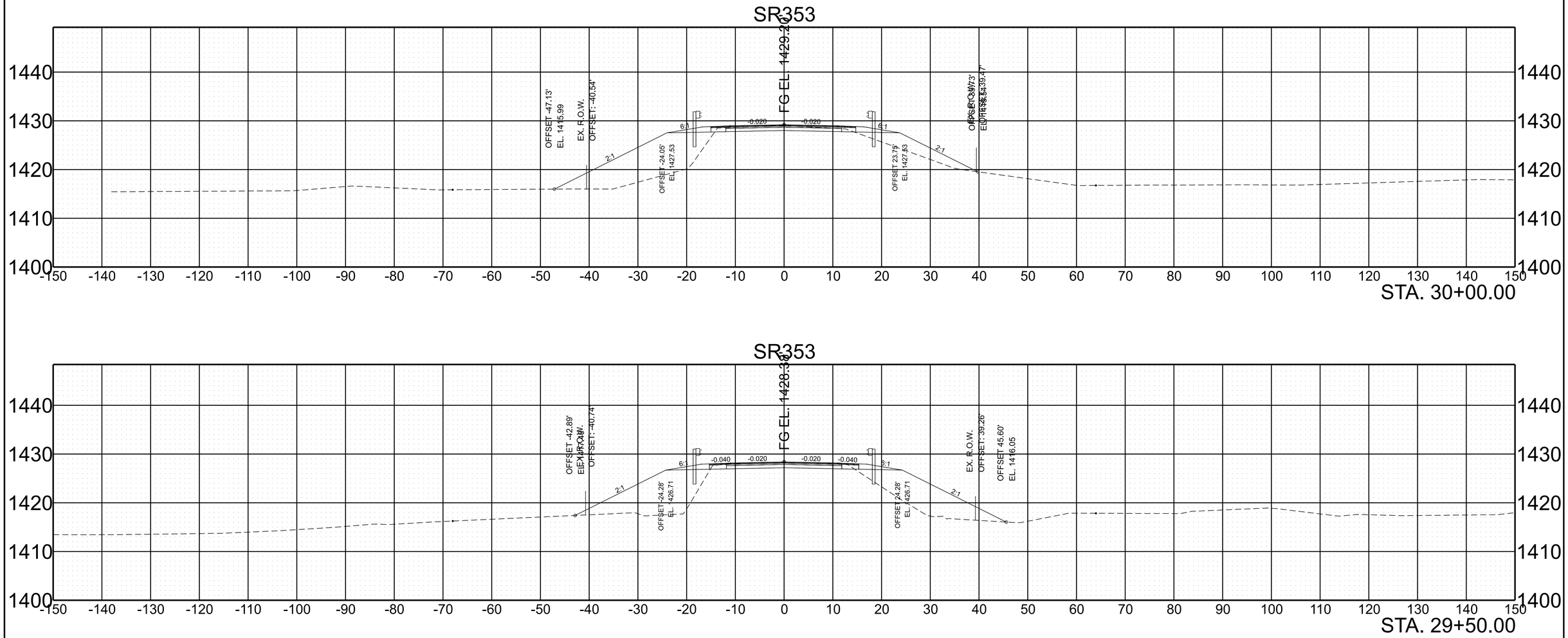




SCALE:		
	1"=10' HORIZ.	BEGIN STA. 28+50.00
	1"=10' VERT.	END STA. 29+00.00

10/30/2024 11:29:26 AM
C:\TMP\PWISEID\0151299\90S353-SHT-XS-SR353.DGN

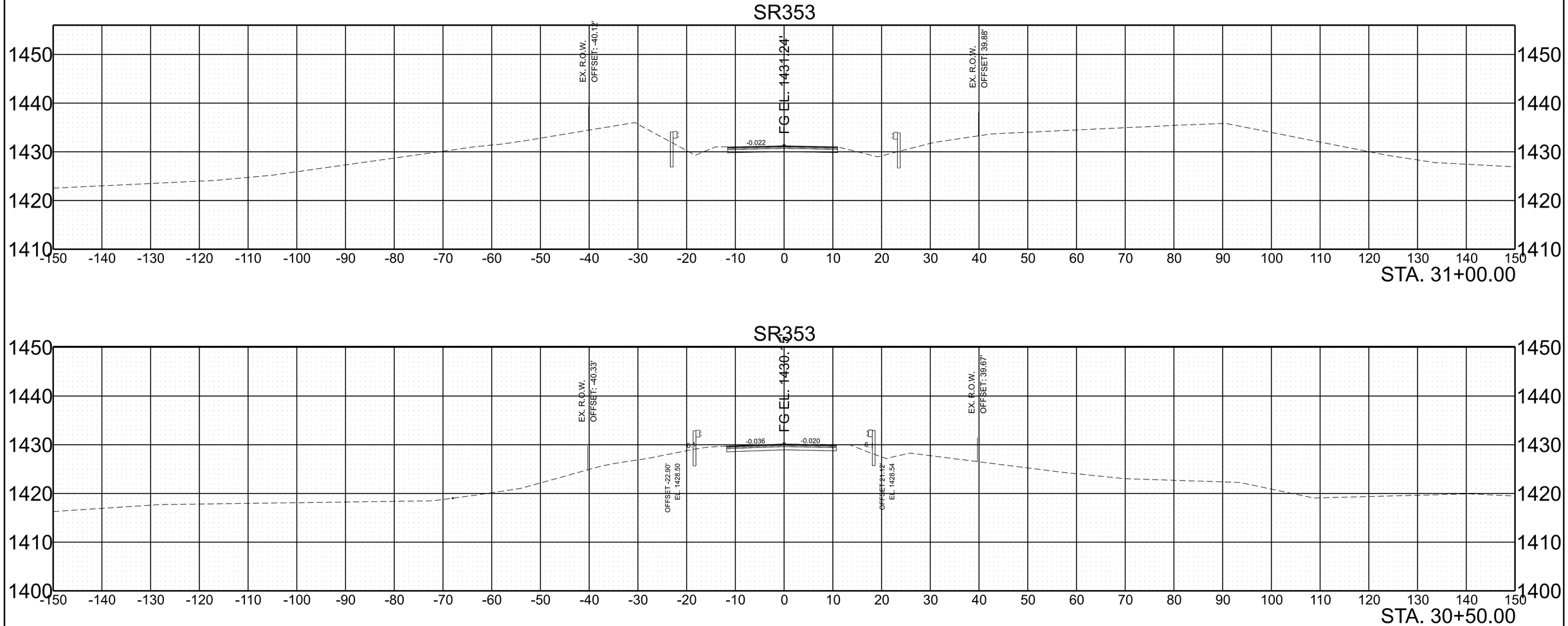
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	28



SCALE:	1"=10' HORIZ.	BEGIN STA. 29+50.00
	1"=10' VERT.	END STA. 30+00.00

10/30/2024 11:29:27 AM
C:\TMP\PWISE\D0151299\90S353-SHT-XS-SR353.DGN

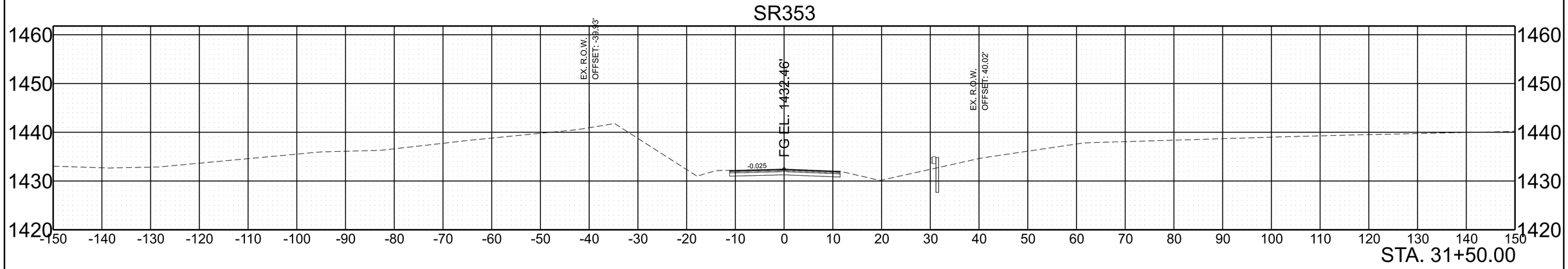
TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	29

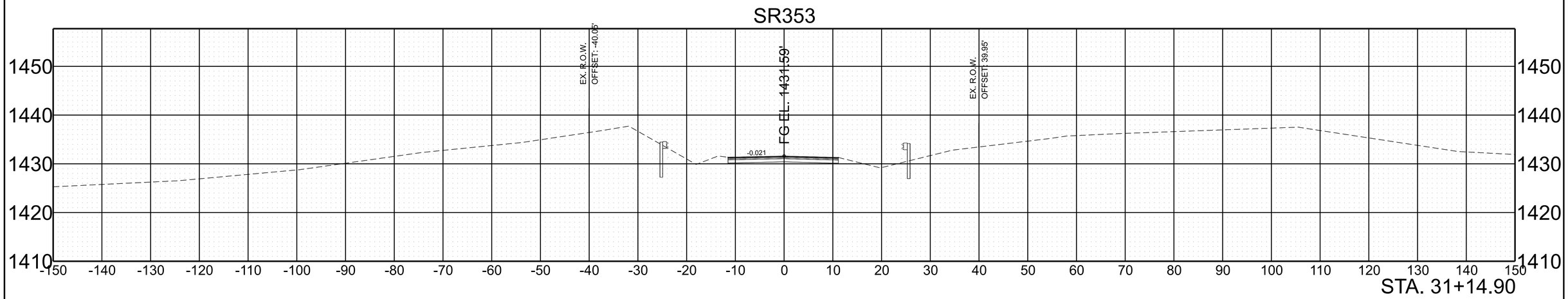


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 30+50.00 END STA. 31+00.00

10/30/2024 11:29:28 AM
C:\TMP\PWISE\D0151299\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	30

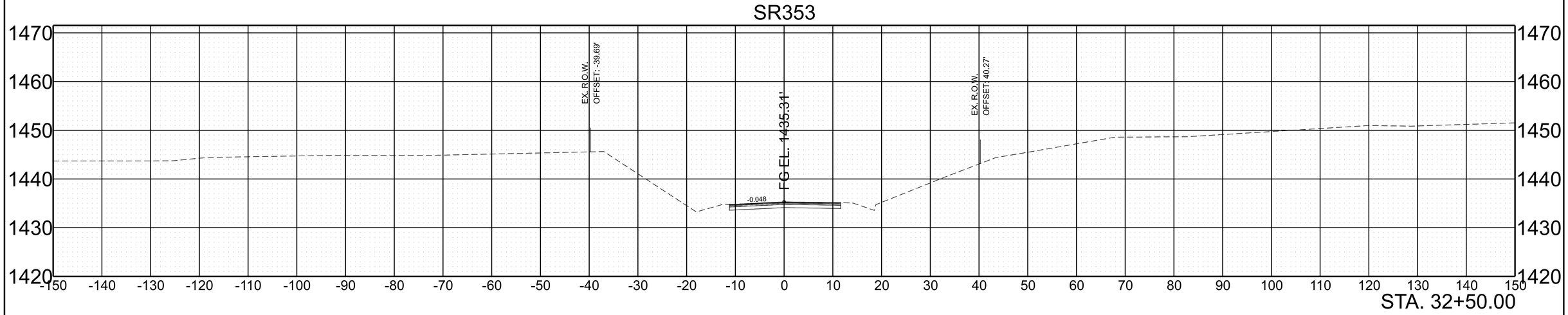


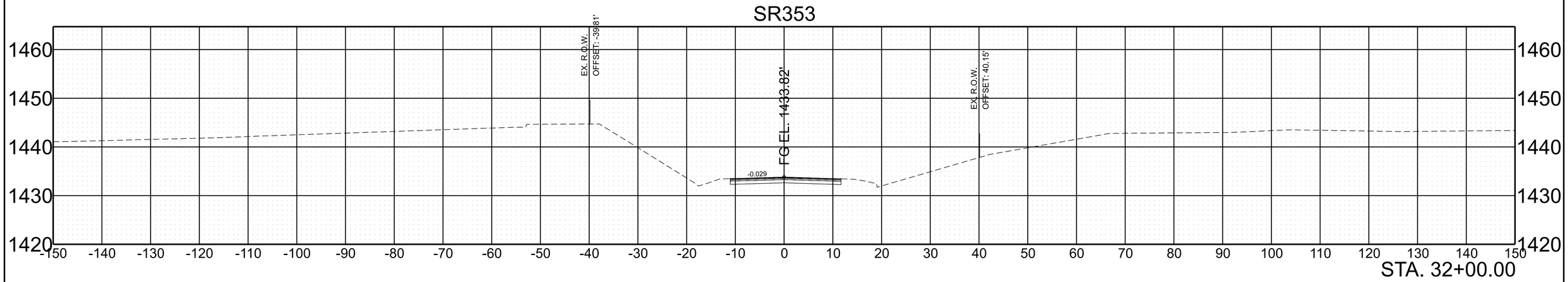


SCALE:	1"=10' HORIZ.	BEGIN STA. 31+14.90
	1"=10' VERT.	END STA. 31+50.00

10/30/2024 11:29:29 AM
C:\TMP\PWISE\D0151299\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	31

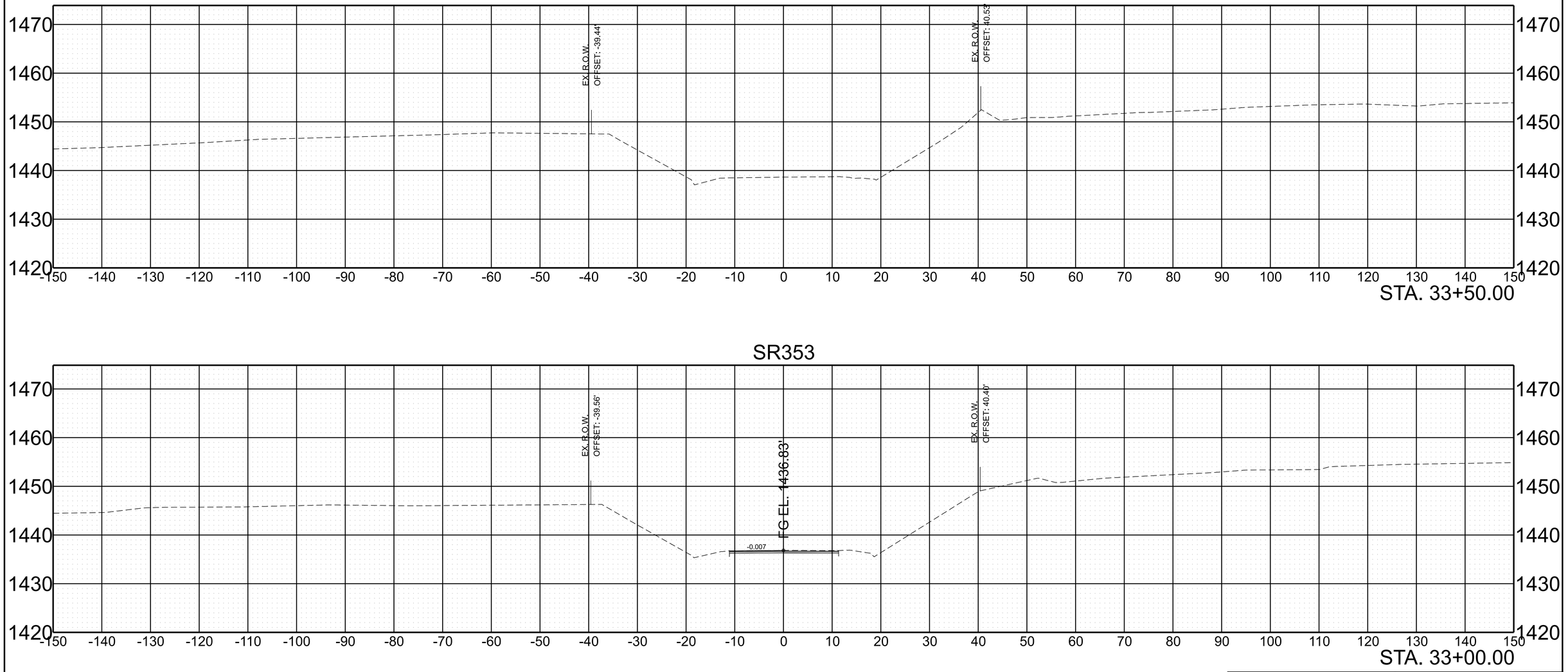




SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 32+00.00 END STA. 32+50.00

10/30/2024 11:29:30 AM
C:\TMP\PWISE\D015\129990\90S353-SHT-XS-SR353.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
LINE & GRADE	2024	90S353-M1-005	32



SCALE:	1"=10' HORIZ.	BEGIN STA. 33+00.00
	1"=10' VERT.	END STA. 33+50.00

10/30/2024 11:29:31 AM
C:\TMP\PWISE\D0151299\90S353-SHT-XS-SR353.DGN

CONST. NO.:

PROJECT NO.	YEAR	SHEET NO.
90S353-M1-005	2024	B1

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

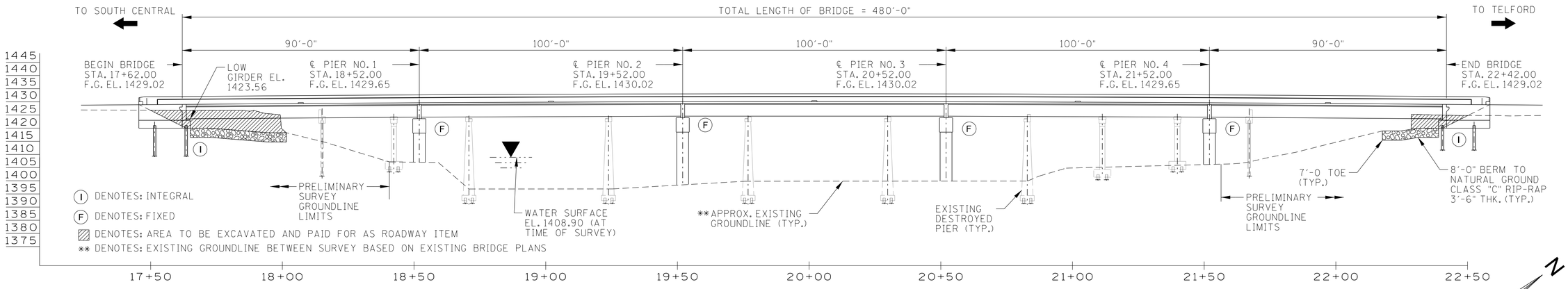
HYDRAULIC DATA:

(TO BE DETERMINED BY DESIGN BUILD TEAM)
DRAINAGE AREA = ___.__ SQ. MI.
DESIGN DISCHARGE (50 YR) = __,___.__ CFS
WATER AREA PROVIDED
BELOW EL. ___.__ = ___.__ FT²
50 YR BACKWATER = _.__ FT @ EL. ___.__
50 YR VELOCITY = _.__ FPS
ROADWAY OVERTOPPING EL. = ___.__
50 YR DISCHARGE = __,___.__ CFS @ EL. ___.__
100 YR DISCHARGE = __,___.__ CFS @ EL. ___.__

DRAIN LOCATIONS

(LEFT & RIGHT SIDE)

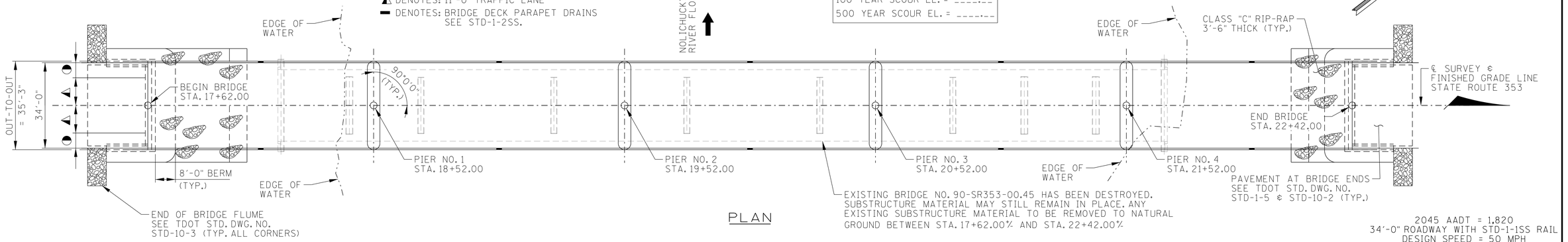
STA. 18+07
STA. 19+02
STA. 20+02
STA. 21+22
STA. 21+97



ELEVATION

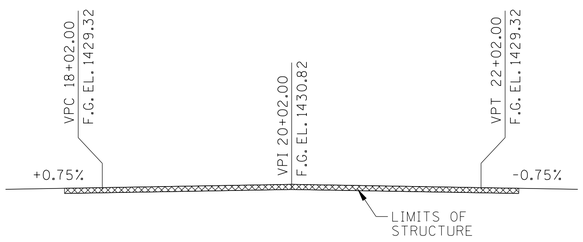
(TO BE DETERMINED BY DESIGN BUILD TEAM)

100 YEAR SCOUR EL. = ___.__
500 YEAR SCOUR EL. = ___.__



PLAN

2045 AADT = 1,820
34'-0" ROADWAY WITH STD-1-1SS RAIL
DESIGN SPEED = 50 MPH



GRADE SKETCH

(STATE ROUTE 353)
N.T.S.

NOTES:

1. CONSTRUCTION SPECIFICATIONS: TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2021 EDITION.)
2. DESIGN SPECIFICATIONS: 9TH EDITION (2020) AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND THE 2ND EDITION (2011) AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN WITH INTERIMS.
3. LOADING: HL-93 LIVE LOADING; SEISMIC CATEGORY "B" WITH As = 0.186, Sds = 0.368, Sd1 = 0.152 (1000 YEAR RETURN PERIOD); DEAD LOADS TO INCLUDE 35 LB/SQ. FT. FOR FUTURE WEARING SURFACE.
4. SUPERSTRUCTURE: TO CONSIST OF 5 SPANS OF CONTINUOUS PRESTRESS PRECAST BT-54 WITH COMPOSITE CONCRETE SLAB.
5. CONCRETE: CLASS A f'c=3000 PSI, CLASS D f'c=4000 PSI FOR BRIDGE DECK.
6. REINFORCING STEEL: TO BE ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE. EPOXY COAT ALL SLAB STEEL.
7. BRIDGE DECK SURFACE FINISH: TO BE IN ACCORDANCE WITH METHOD 1 IN ARTICLE 604.22 OF THE STANDARD SPECIFICATIONS.
8. USE TDOT STD. DWG. NO. STD-1-1SS FOR PARAPETS.
9. TEXTURE COATING: TO BE GRAY (36440) EXCEPT TRAFFIC FACE AND TOP OF PARAPET TO BE WHITE (37886).
10. EXCAVATION: TO BE BASED ON FINAL PROFILE AT ABUTMENTS AND EXISTING GROUND AT PIERS.
11. RIP-RAP: MACHINED RIP-RAP SHALL BE CLASS "C" IN ACCORDANCE WITH SECTION 709 OF THE STANDARD SPECIFICATIONS AND SHALL BE MEASURED AND PAID FOR UNDER ROADWAY ITEM NO. 709-05.09.
12. FLUMES AT BRIDGE ENDS ARE REQUIRED.
13. BRIDGE DECK DRAINS ARE REQUIRED.
14. EXISTING BRIDGE DESCRIPTION (DESTROYED): BRIDGE NO. 90-SR353-00.45, TOTAL LENGTH = 354'-6", 5 SPANS AT 28'-6" AND 4 SPANS AT 53'-0", CONTINUOUS CONCRETE DECK GIRDER BRIDGE WITH CONCRETE SUBSTRUCTURES.
15. STREAM CHANNEL: ANY WORK WITHIN THE STREAM CHANNEL AREA (E.G. PIER/BENT FOOTING, RIP-RAP PLACEMENT, ETC.) SHALL BE SEPARATED FROM FLOWING WATER OR EXPECTED FLOW PATH AND PERFORMED DURING LOW FLOW CONDITIONS. ALL ITEMS USED WITHIN THE STREAM CHANNEL AREA FOR DIVERSION OF FLOW (OR EXPECTED FLOW), UNLESS SPECIFIED IN THE PLANS, SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE COST OF OTHER ITEMS. THIS NOTE EXCLUDES ANY ITEMS SPECIFIED IN THE PLANS FOR TEMPORARY DIVERSION CHANNELS (EC-STR-31).

CONCEPTUAL PLANS

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PRELIMINARY LAYOUT
STATE ROUTE 353 OVER
NOLICHUCKY RIVER
BRIDGE ID. NO. 90S23860001
STA. 20+02.00
LOG MILE 0.45
WASHINGTON COUNTY
2024

SHEET 1 OF 2

PIN NO.:	135866.08		
DESIGN BY:	GRESHAM SMITH	DATE:	10/2024
DRAWN BY:	B. WELLS	DATE:	10/2024
SUPERVISED BY:	D. MCCRARY	DATE:	10/2024
CHECKED BY:	A. ALLSBROOK	DATE:	10/2024

Gresham Smith

10/25/2024 9:07:31 AM
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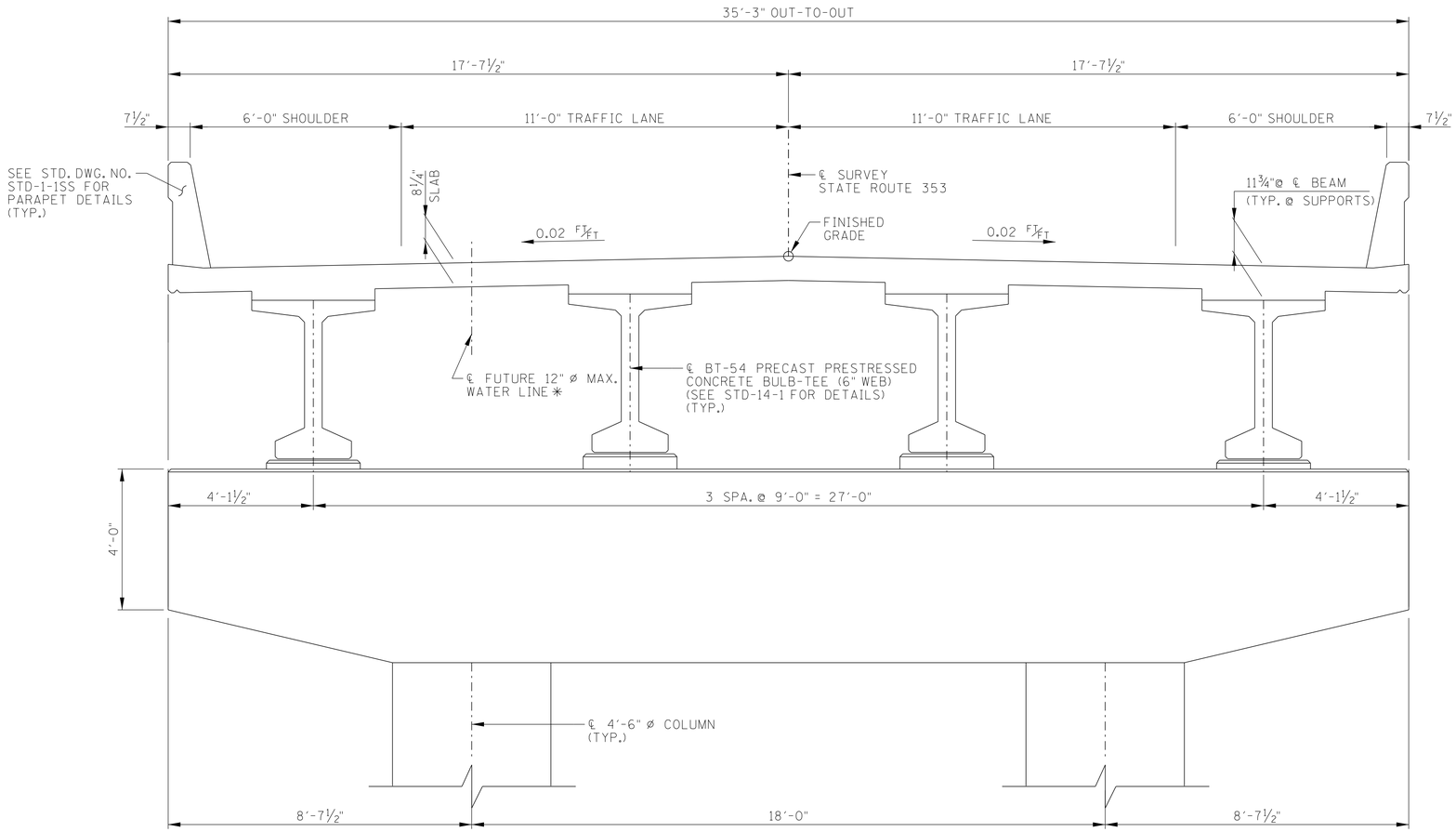
CLASS "C" MACHINED RIP-RAP = 695 TONS

CONST. NO.:

PROJECT NO.	YEAR	SHEET NO.
90S353-M1-005	2024	B2

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



TYPICAL CROSS-SECTION

(LOOKING FORWARD ON SURVEY)

* DENOTES: THE DESIGN BUILD TEAM SHALL MAKE PROVISIONS FOR THE FUTURE WATER LINE WITH REGARD TO THE DIAPHARGMS AND ABUTMENT BACKWALLS

CONCEPTUAL PLANS

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRELIMINARY LAYOUT
STATE ROUTE 353 OVER
NOLICHUCKY RIVER
BRIDGE ID. NO. 90S23860001
STA.20+02.00
LOG MILE 0.45
WASHINGTON COUNTY
2024

SHEET 2 OF 2

PIN NO.: 135866.08

DESIGN BY:	GRESHAM SMITH	DATE:	10/2024
DRAWN BY:	B. WELLS	DATE:	10/2024
SUPERVISED BY:	D. MCCRARY	DATE:	10/2024
CHECKED BY:	A. ALLSBROOK	DATE:	10/2024

Gresham Smith

10/31/2024 9:59:52 AM
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