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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

LAUDERDALE COUNTY

STATE ROUTE 87
BRIDGE OVER
BRANCH L.M. 6.42

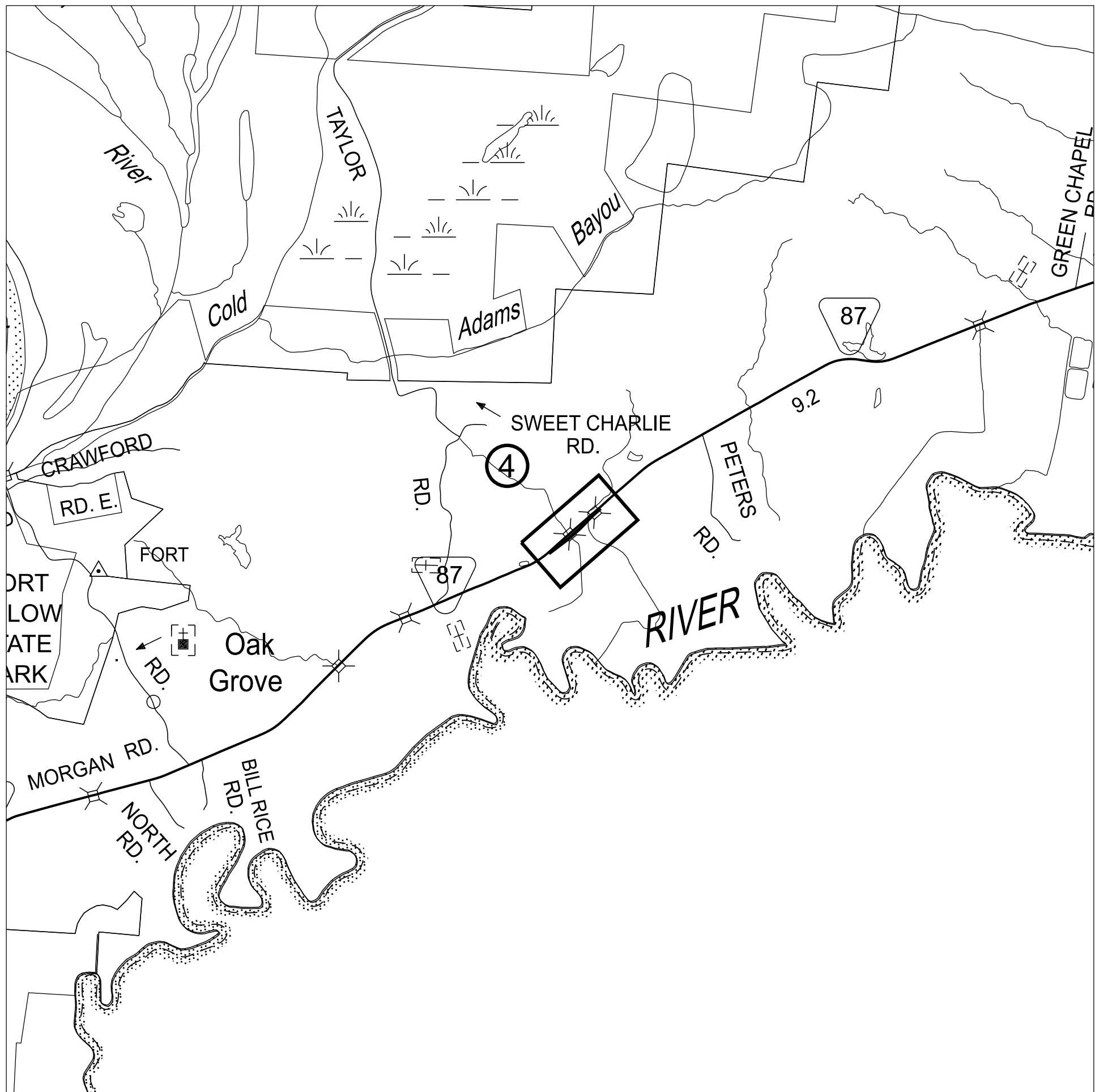
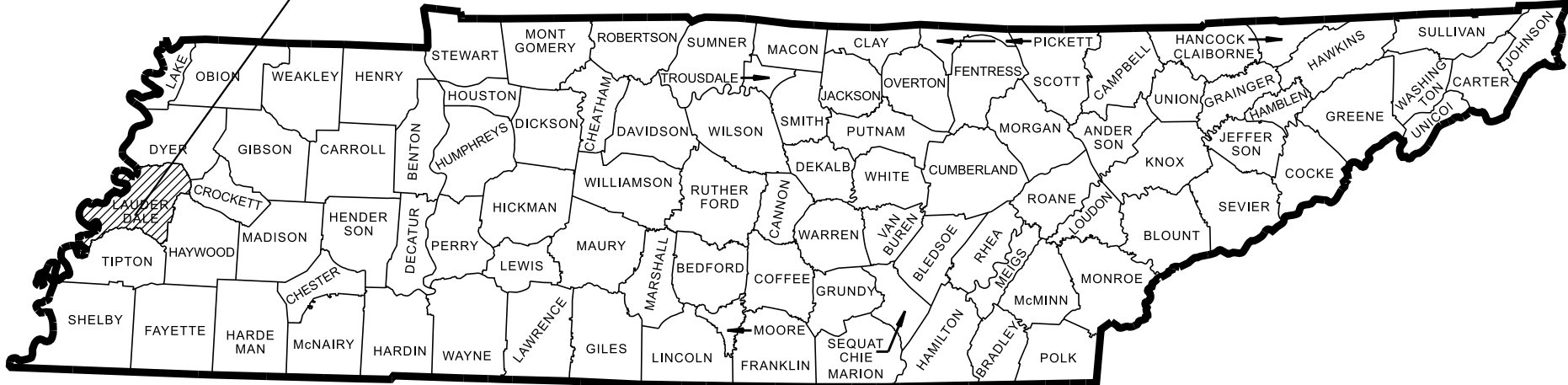
LINE AND GRADE
BRIDGE REPLACEMENT

STATE HIGHWAY NO. 87 F.A.H.S. NO.

DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES	NO
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TENN.	YEAR	SHEET NO.
	2025	1
FED. AID PROJ. NO.		
STATE PROJ. NO.		

PROJECT LOCATION
BRIDGE ID. # 49SR0870017



NO EXCLUSIONS

CAUTION!
PRELIMINARY
PLANS
SUBJECT TO
CHANGE

SEALED BY

APPROVED:

DEPUTY COMMISSIONER /
CHIEF ENGINEER

DATE:

APPROVED:

DEPUTY GOVERNOR &
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: STEVE SELLERS
DESIGN FIRM : AMERICAN STRUCTUREPOINT INC
DESIGNER : _____ CHECKED BY _____
P.E. NO. _____
PIN NO. 136185.10

R.O.W. LENGTH	MILES
ROADWAY LENGTH	MILES
BRIDGE LENGTH	MILES
BOX BRIDGE LENGTH	MILES
BOX BRIDGE LENGTH	MILES ▲
PROJECT LENGTH	MILES

Not included in the project length (Non Riding Surface).

SURVEY	TRAFFIC DATA
	ADT (2029) 370
	ADT (2049)
	DHV (2029) 44
	D -
	T (ADT) 4.0%
	T (DHV) %
	V 60 MPH

COORDINATES ARE NAD/83(1995) () ADJUSTMENT) ADJUSTED BY THE FACTOR OF _____ AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 USING GEOID _____

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

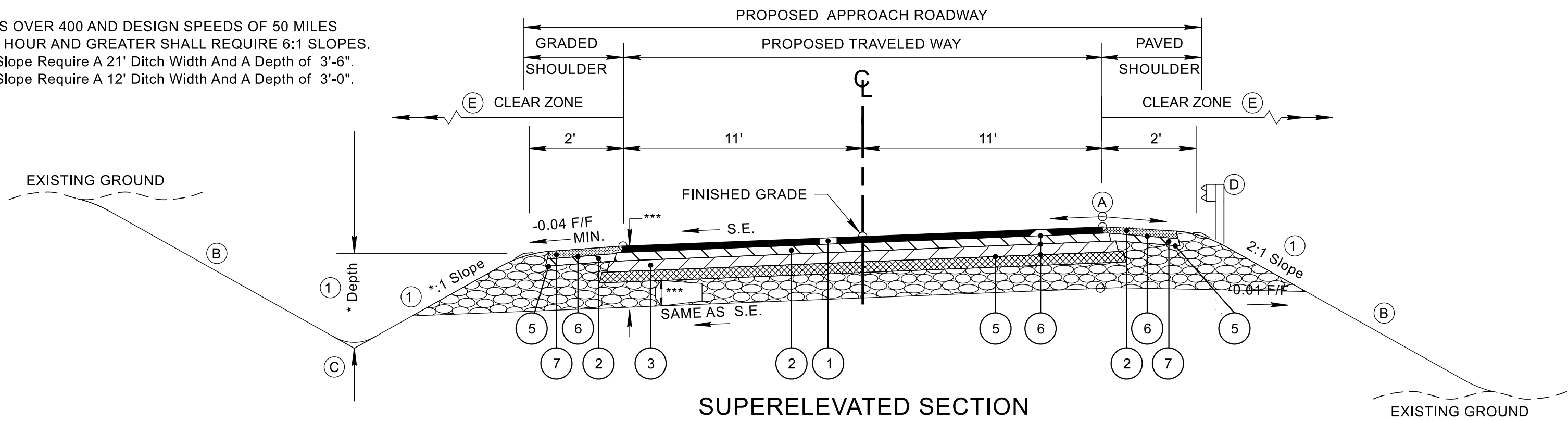
APPROVED:

DIVISION ADMINISTRATOR

DATE

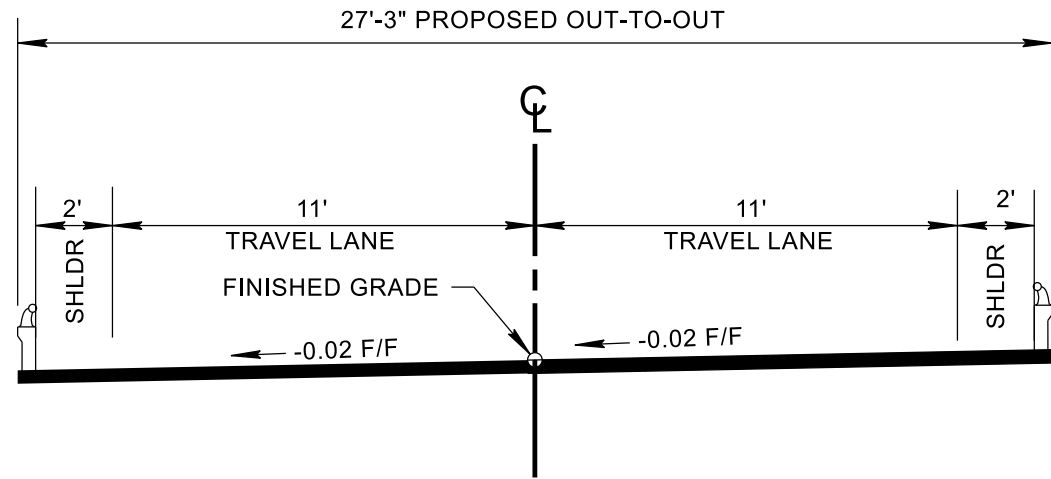
TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		2B

① ADTS OVER 400 AND DESIGN SPEEDS OF 50 MILES PER HOUR AND GREATER SHALL REQUIRE 6:1 SLOPES.
6:1 Slope Require A 21' Ditch Width And A Depth of 3'-6".
4:1 Slope Require A 12' Ditch Width And A Depth of 3'-0".



**SUPERELEVATED SECTION
(S.R.87)**

(BASED ON STD. DWG. RD11-TS-2)
FROM STA. 100+00.00 TO STA. 107+45.00
FROM STA. 108+05.00 TO STA. 116+30.00



**BRIDGE SECTION
(S.R.87)**

BRIDGE 48: FROM STA. 107+45.00 TO STA. 108+05.00

- (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.

PROPOSED PAVEMENT SCHEDULE

① ASPHALTIC CONCRETE SURFACE (HOT MIX) PGXX-XX GRADING "D" SURFACE @ X.XX" THICK (APPROX. 132.5 LB./S.Y.) 411-XX.XX ACS MIX (PGXX-XX) GRADING "D"	⑤ PRIME COAT 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) AT 0.30-0.35 GALLONS/S.Y. 402-02 AGGREGATE FOR COVER MATERIAL (PC) AT 8-12 LB./S.Y.
② BITUMINOUS PLANT MIX BASE (HOT MIX) PGXX-XX GRADING "B-M2" @ 2.00" THICK (APPROX. 226 LB./S.Y.) 307-XX.XX ASPHALT CONCRETE MIX (PGXX-XX) (BPMB-HM) GRADING "B-M2"	⑥ TACK COAT 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) AT 0.07 GALLONS/S.Y. SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD
③ BITUMINOUS PLANT MIX BASE (HOT MIX) PGXX-XX GRADING "A" @ X.XX" THICK (APPROX. 345 LB./S.Y.) 307-XX.XX XXXXASPHALT CONCRETE MIX (PGXX-XX) (BPMB-HM) GRADING "A"	⑦ ASPHALTIC CONCRETE SURFACE (HOT MIX) PGXX-XX GRADING "E" SURFACE @ X.XX" THICK (APPROX. LB./S.Y.) 411-XX.XX ACS MIX (PGXX-XX) GRADING "E" SHOULDER
④ MINERAL AGGREGATE XX" THICK 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"	

SEALED BY

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

**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**TYPICAL
SECTIONS**

STA. 0+00.00 TO STA. 3+46.13
SCALE: 1" = 20'

TYPE	YEAR	PROJECT NO.	SHEET NO.
			3A

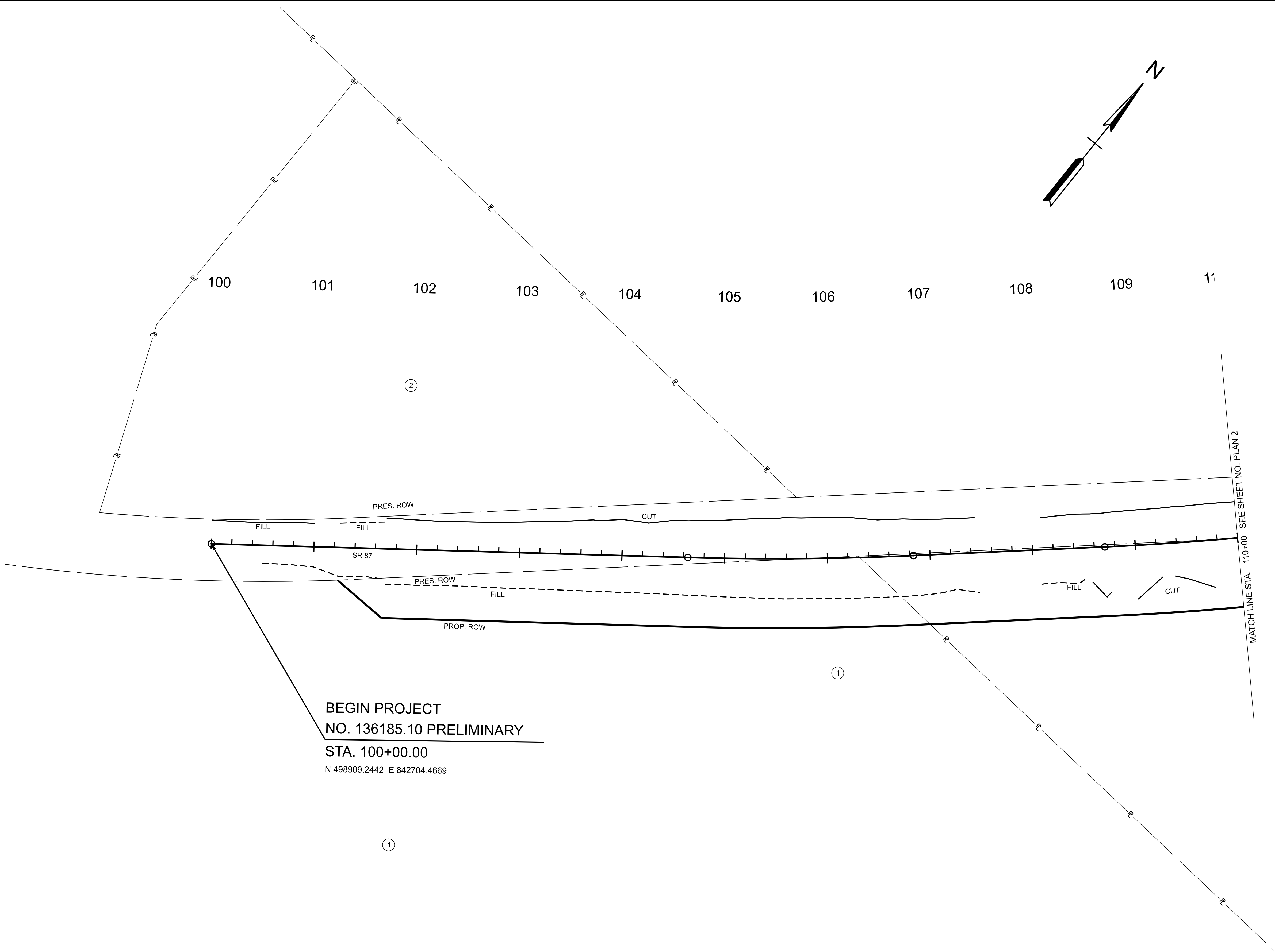
R.O.W. ACQUISITION TABLE						R.O.W. ACQUISITION TABLE												
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (SQUARE FEET)				
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM DRAINAGE	SLOPE	CONST	AIR RIGHTS	PERM RAILROAD
				BOOK	PAGE													
1	JOHN WILLIAM SUMROW, JR.	134	009.00	RB 674	707		89.810	89.810		0.668	0.668		89.142					
2	ROBERT HENRY, JR.	134	005.01	RB 756	653	3.600		3.600				3.600						
3	UNITED STATES OF AMERICA	134	010.00	RB 564	771	331.490		331.490				331.490						
4	ANDREW CARTER BAUM AND WIFE, LESLIE SMITH BAUM	134	010.04	RB 766	75		23.750	23.750		1.015	1.015		22.735					
5	ELBERT LEE BAUM AND DIANNA FAYE BAUM	134	010.02	RB 261	248		96.130	96.130					96.130					
ACQUISITION TOTALS (ACRES)									1.683									

DISTURBED AREA	
IN BETWEEN SLOPE LINES	2.295 (AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	0.839 (AC)
TOTAL DISTURBED AREA	3.134 (AC)
TOTAL PROJECT AREA	3.275 (AC)

SEALED BY

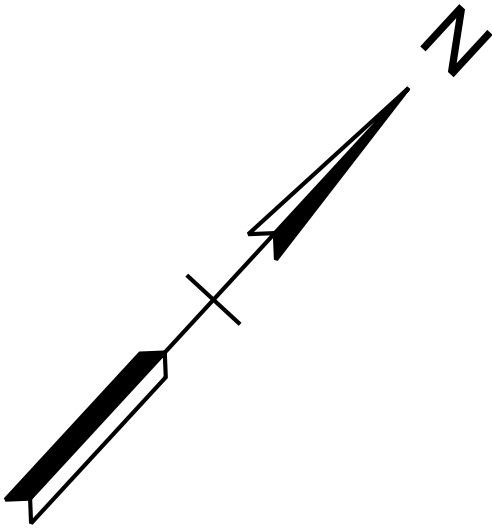
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
RIGHT-OF-WAY ACQUISITION TABLE

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		3B

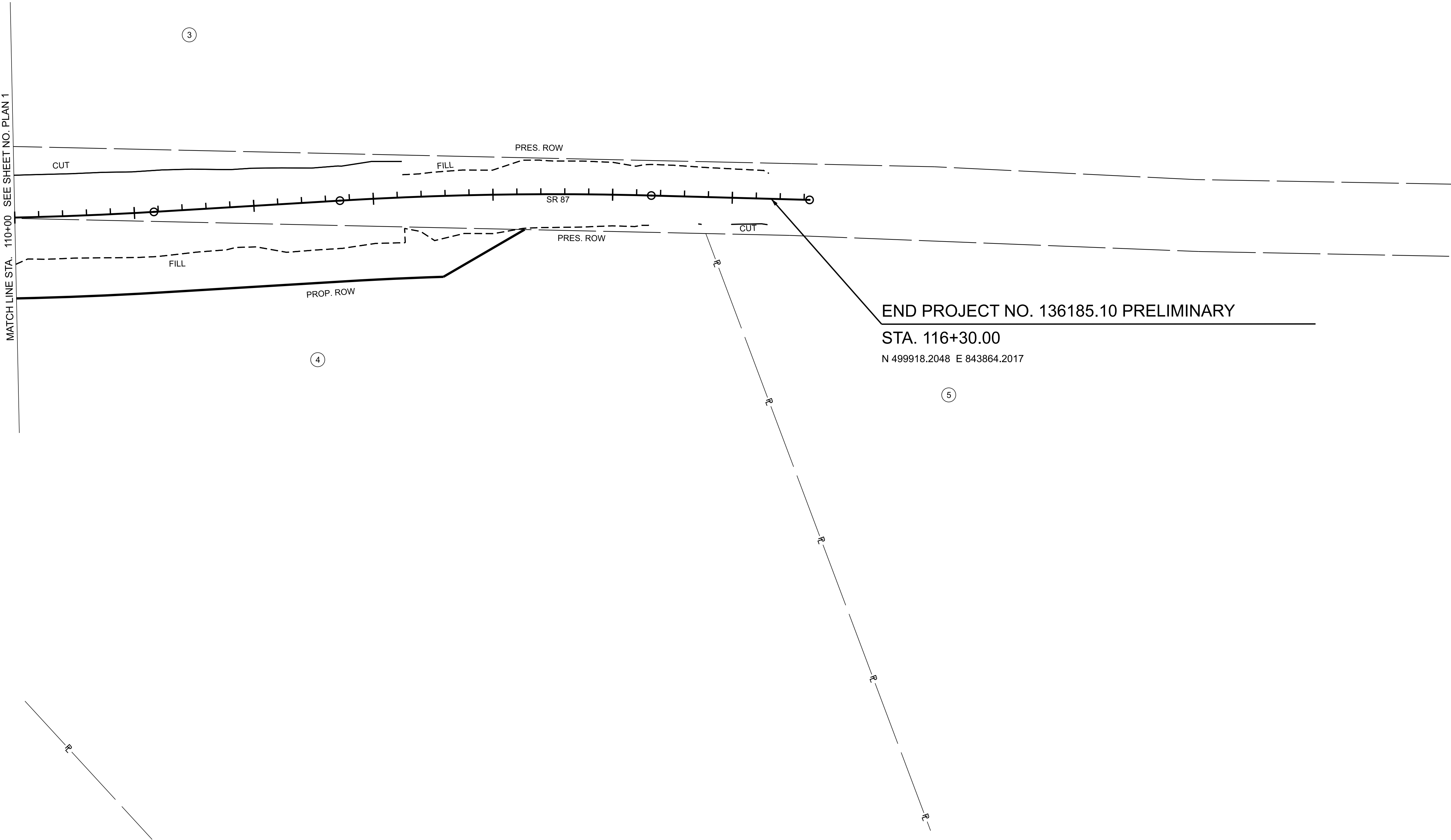


SEALED BY
COORDINATES ARE NAD 83(), ARE DATUM ADJUSTED BY THE FACTOR OF AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID .
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
PROPERTY MAP
STA. 98+00.00 TO STA. 110+00.00 SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		3C



10 111 112 113 114 115 116



END PROJECT NO. 136185.10 PRELIMINARY

STA. 116+30.00
N 499918.2048 E 843864.2017

SEALED BY

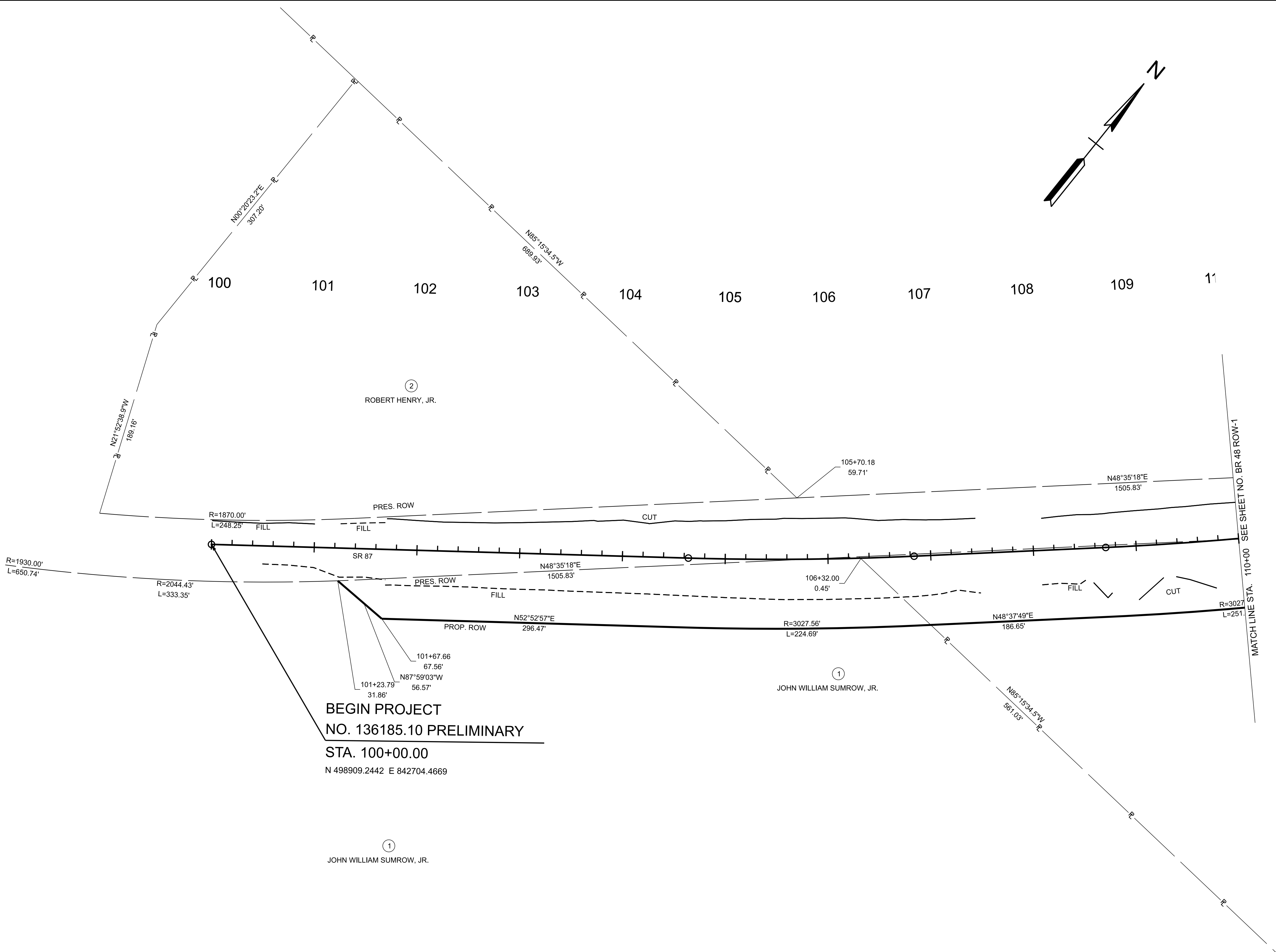
COORDINATES ARE NAD 83(), ARE DATUM ADJUSTED BY THE FACTOR OF AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID .

**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**PROPERTY
MAP**

STA. 110+00.00 TO STA. 122+00.00
SCALE: 1" = 50'

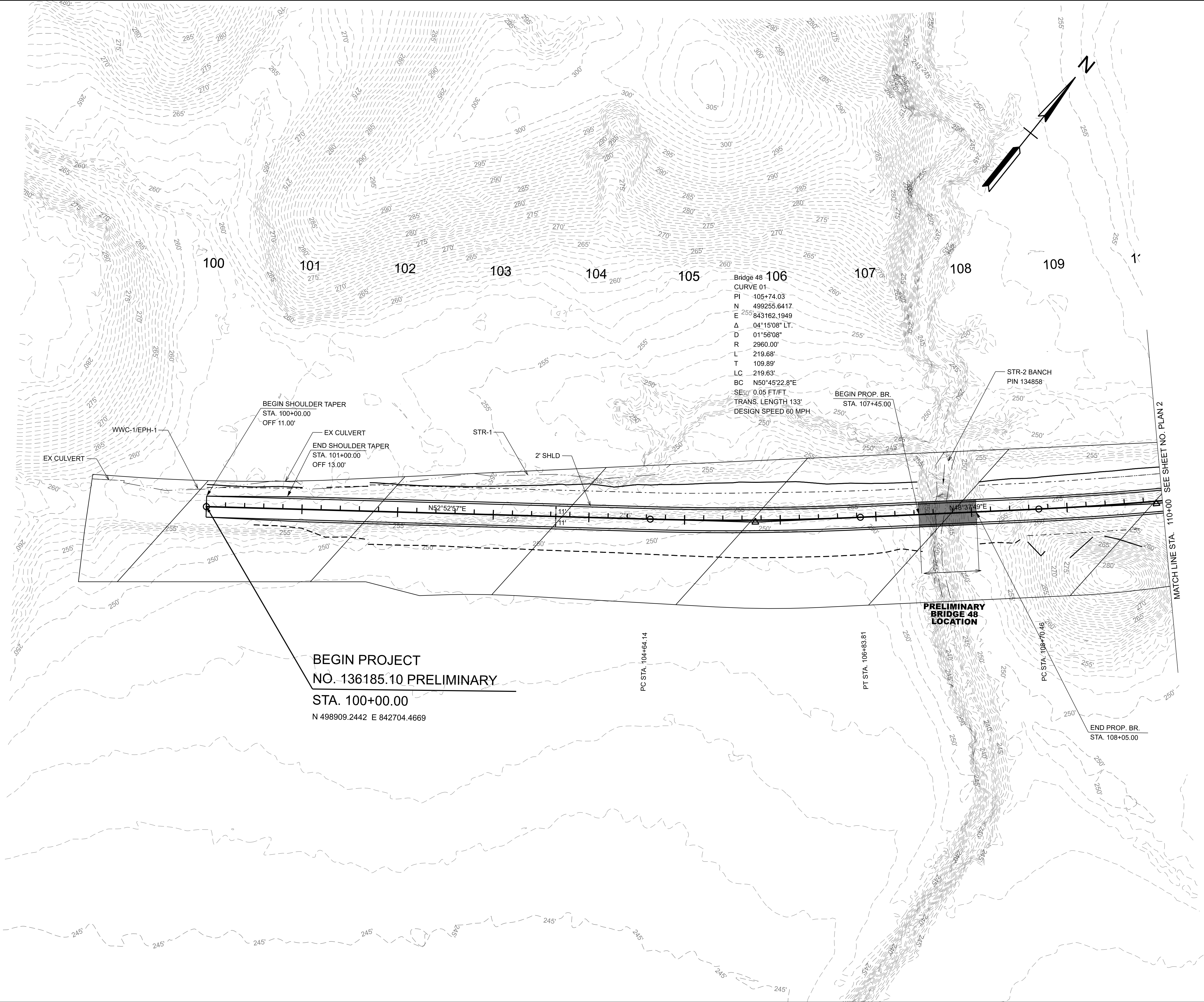
TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		4A



BEGIN PROJECT
NO. 136185.10 PRELIMINARY
STA. 100+00.00
N 498909.2442 E 842704.4669

SEALED BY
COORDINATES ARE NAD 83(), ARE DATUM ADJUSTED BY THE FACTOR OF AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID .
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
ROW DETAILS
STA. 98+00.00 TO STA. 110+00.00 SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		4B



SEALED BY

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

**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**PROPOSED
LAYOUT**

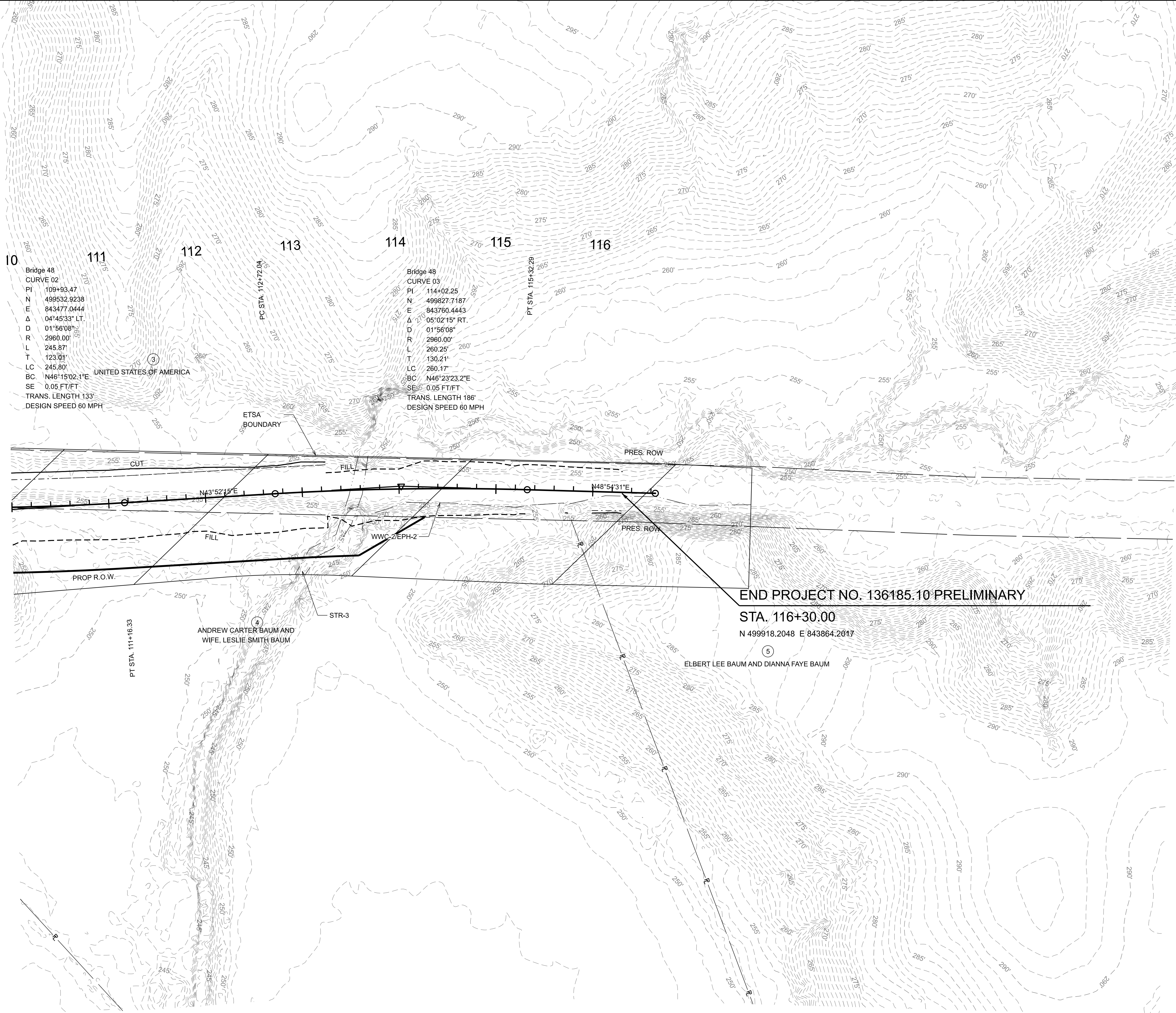
TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		5

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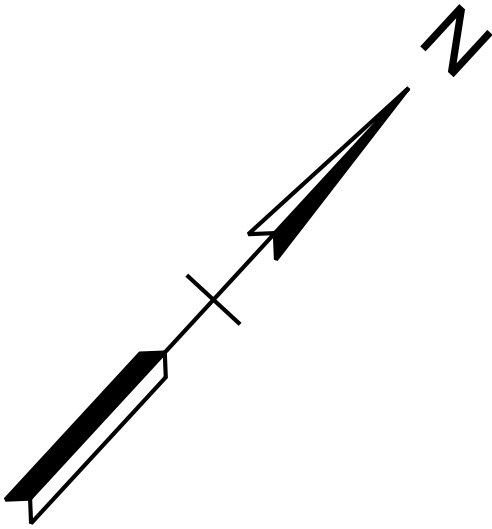
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT
LAYOUT

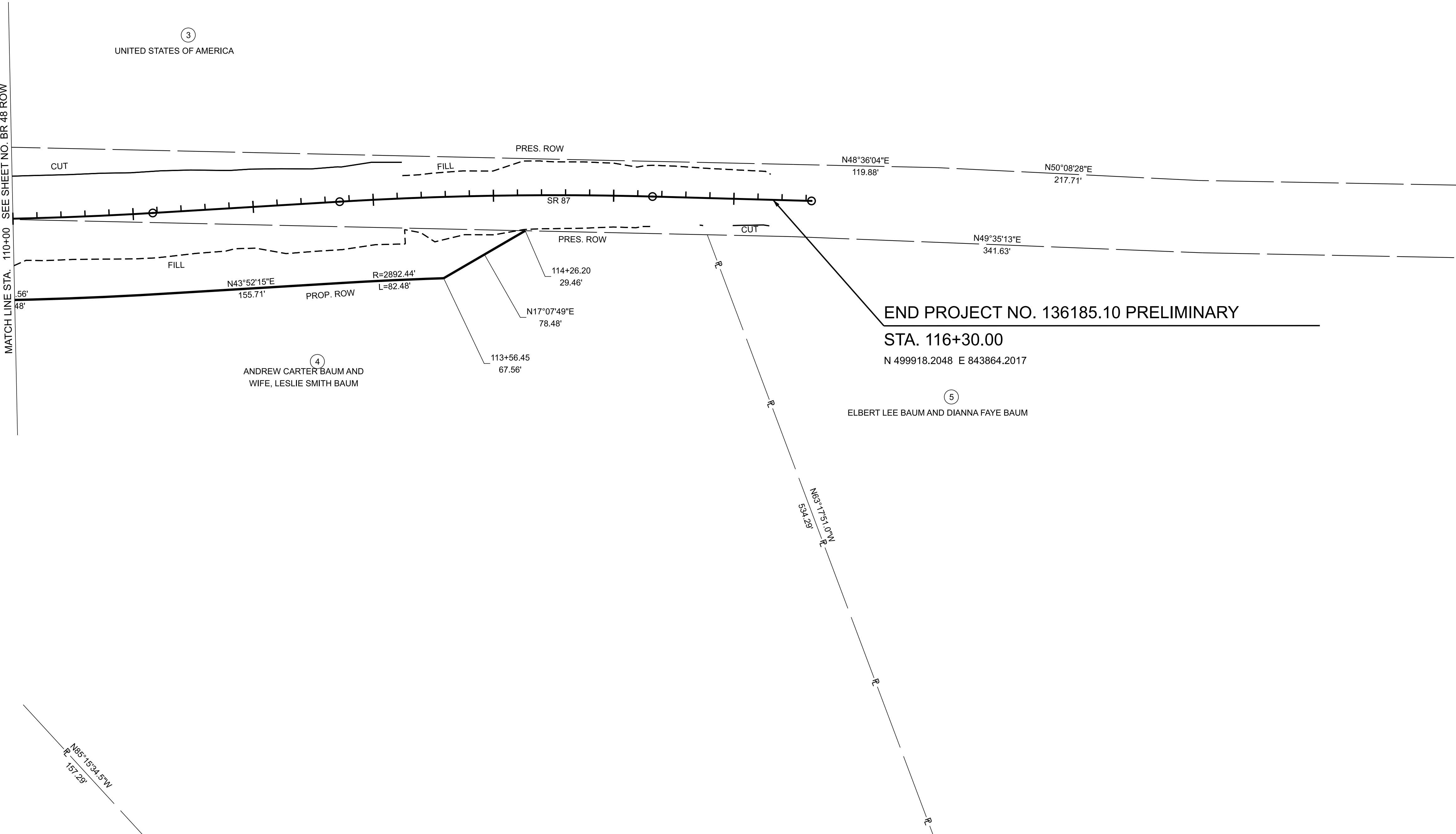


TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		5A

REV. ***DATE***
TEXT



10 111 112 113 114 115 116



END PROJECT NO. 136185.10 PRELIMINARY

STA. 116+30.00

N 499918.2048 E 843864.2017

SEALED BY

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

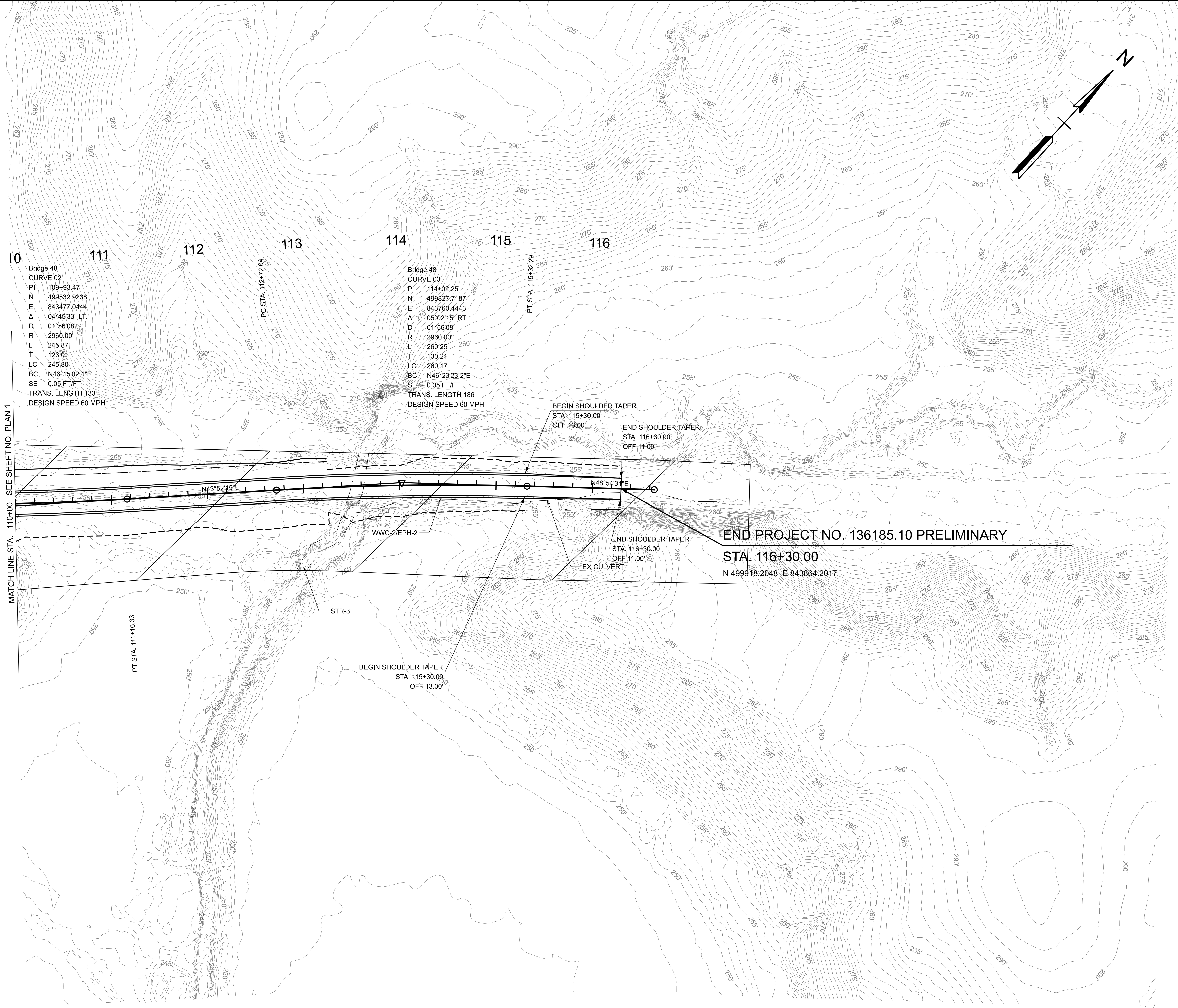
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROW
DETAILS

STA. 110+00.00 TO STA. 122+00.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		5B

REV. ***DATE***
TEXT

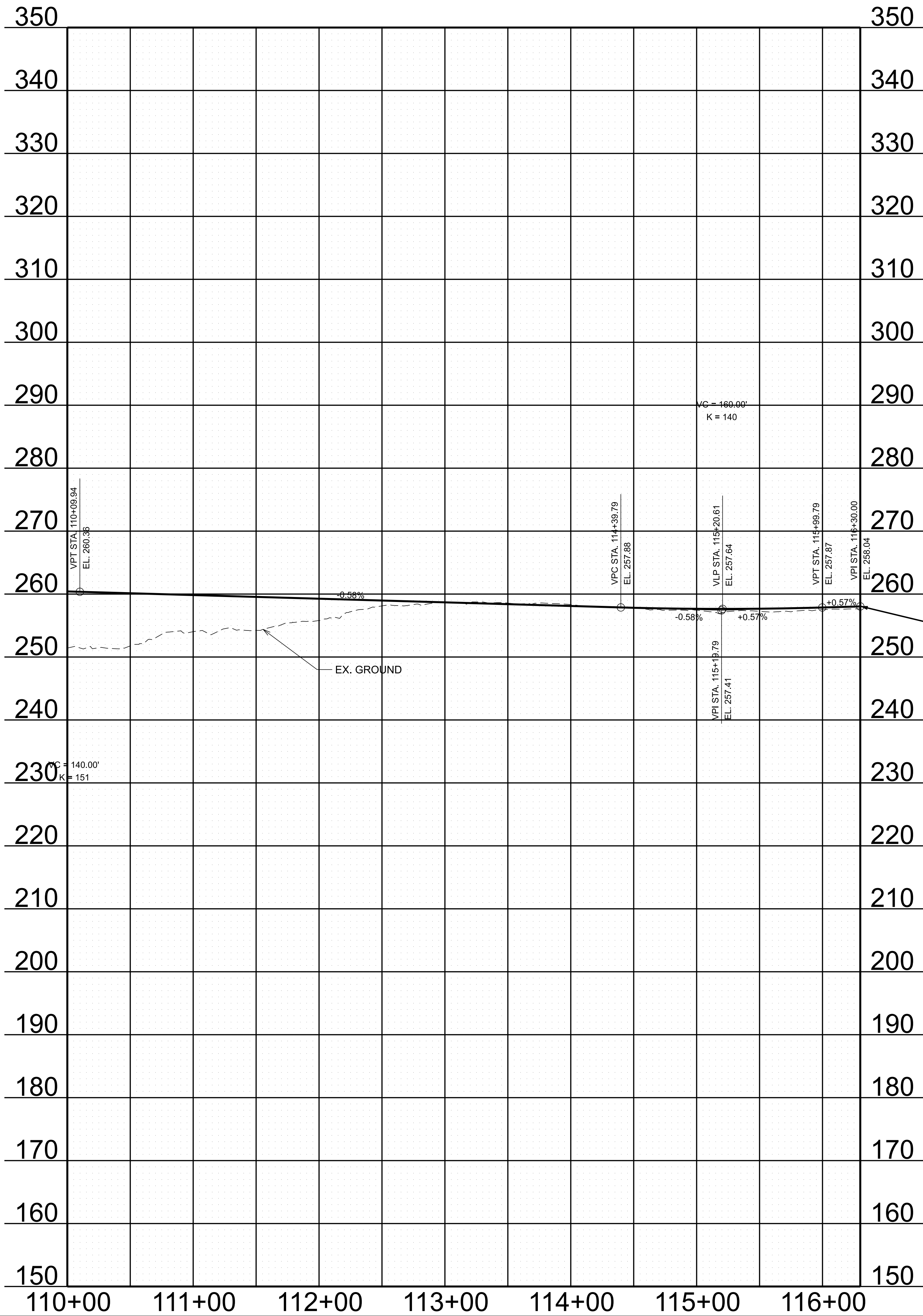


SEALED BY

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

**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**PROPOSED
LAYOUT**



END PROJECT
NO. 136185.10 PRELIMINARY
STA. 116+30.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		5C

SEALED BY

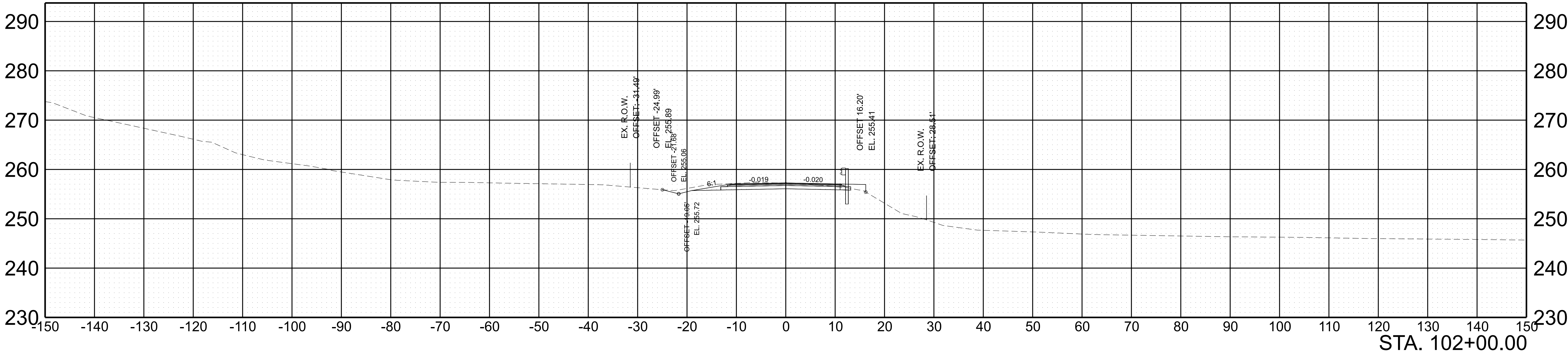
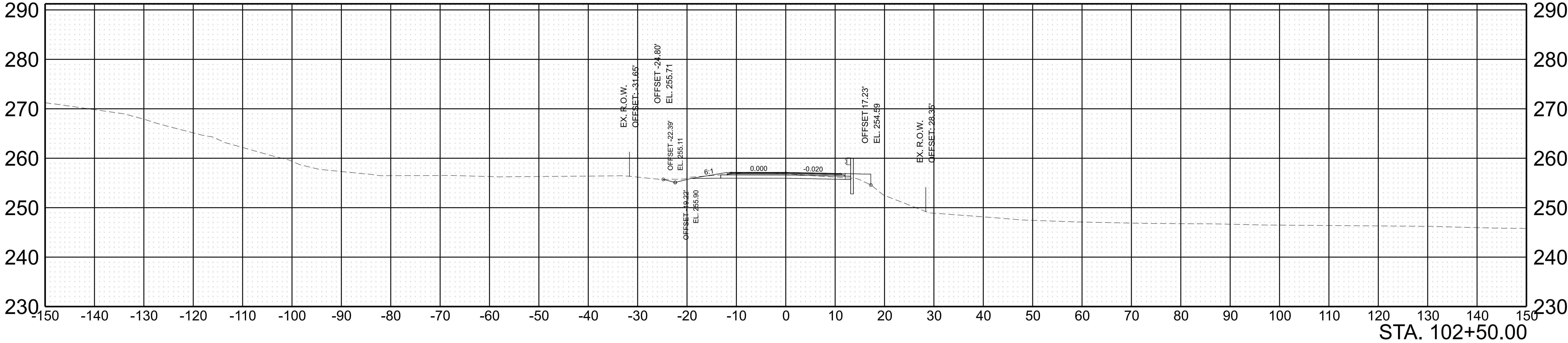
**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**PROPOSED
PROFILE**

STA. 110+00.00 TO STA. 116+30.00

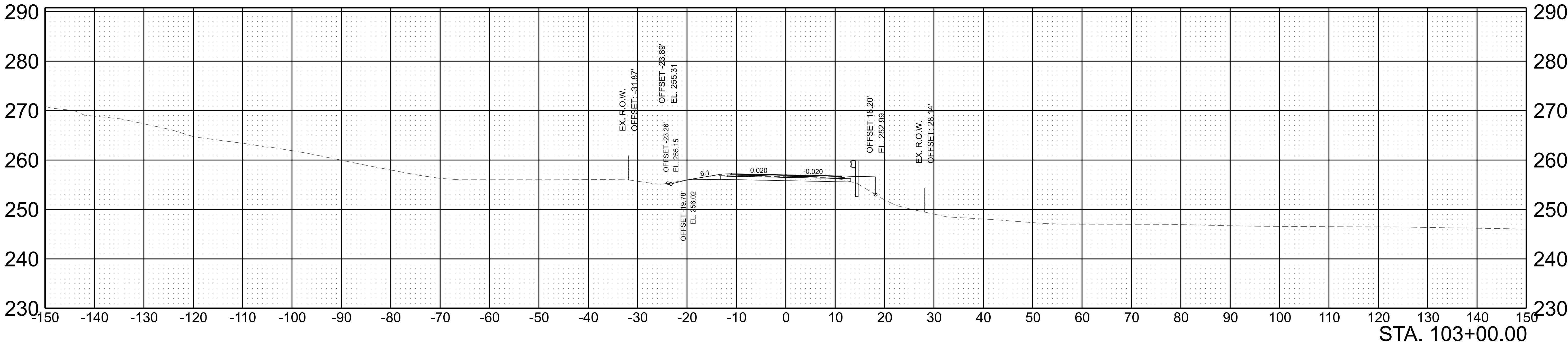
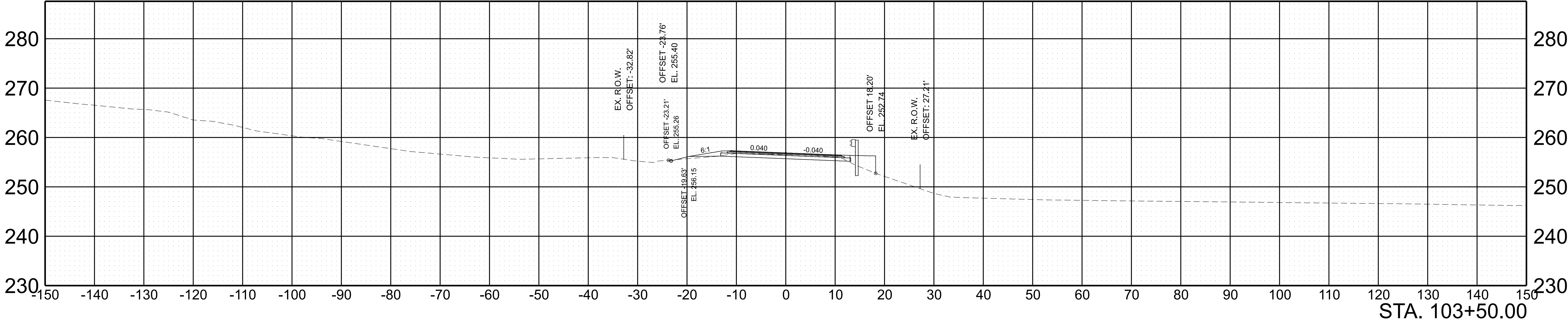
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		6



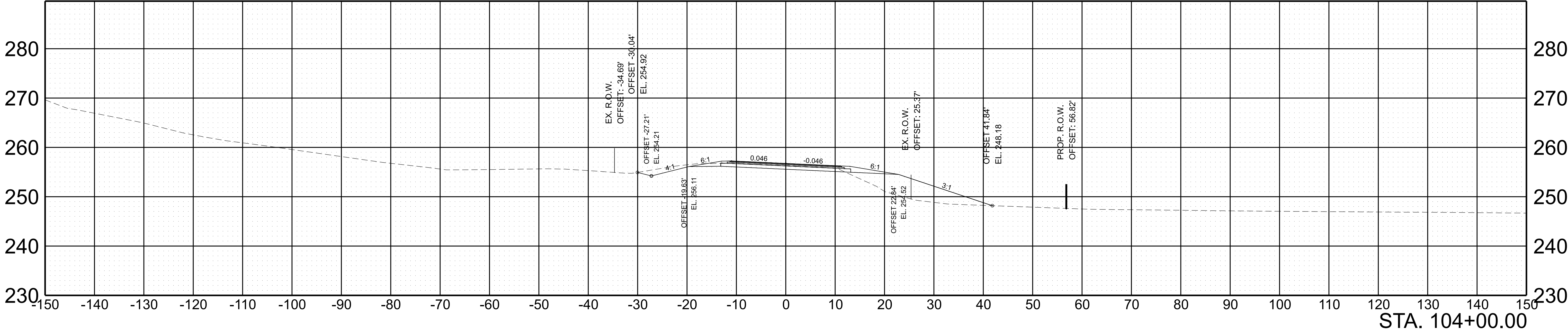
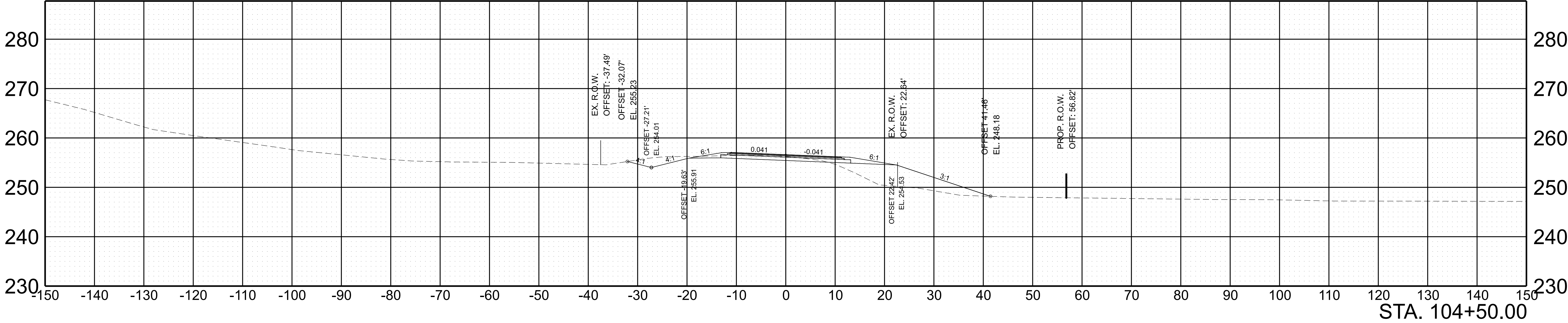
SCALE: 1"=10' HORIZ.	BEGIN STA. 102+00.00
1"=10' VERT.	END STA. 102+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		7



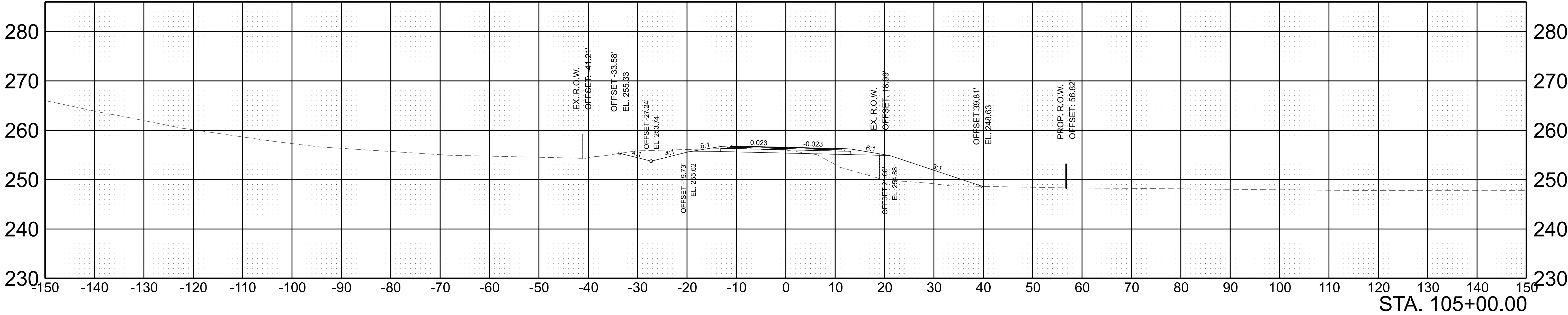
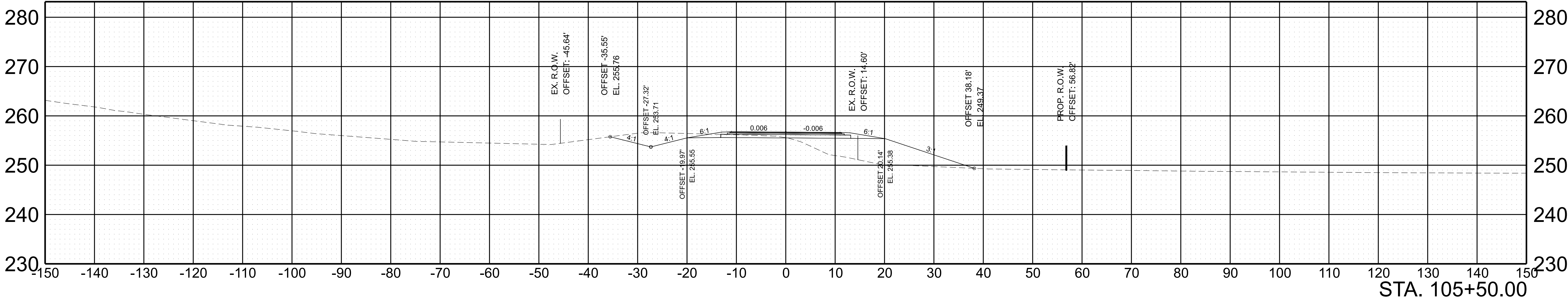
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1"=10' VERT.	END STA. 103+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		8



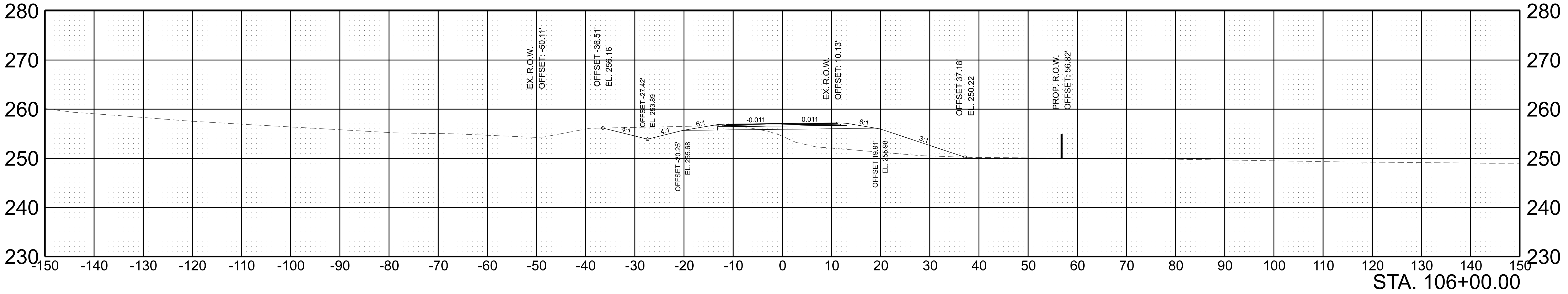
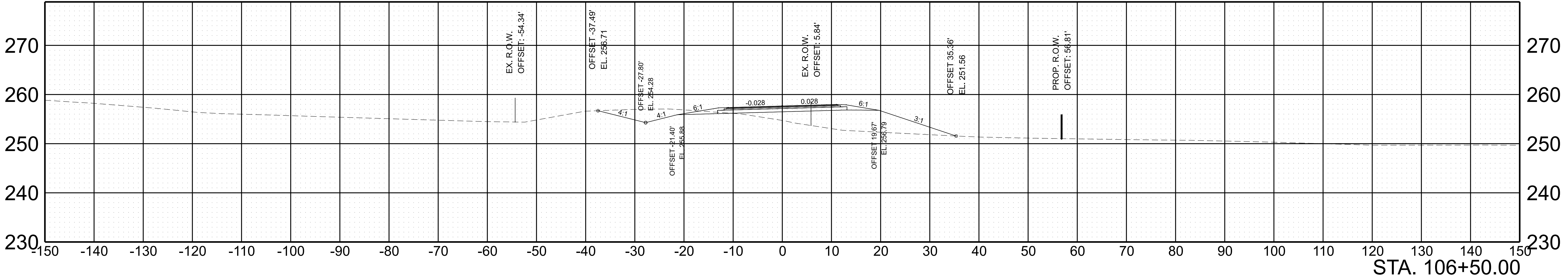
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TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		9



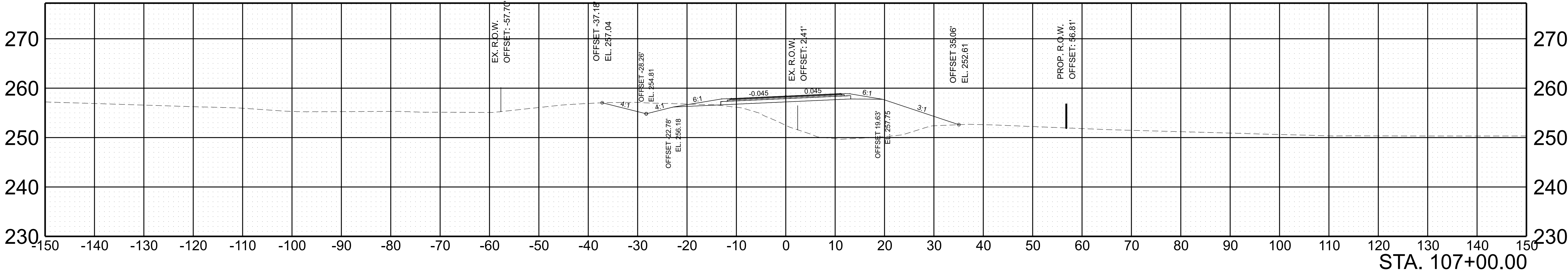
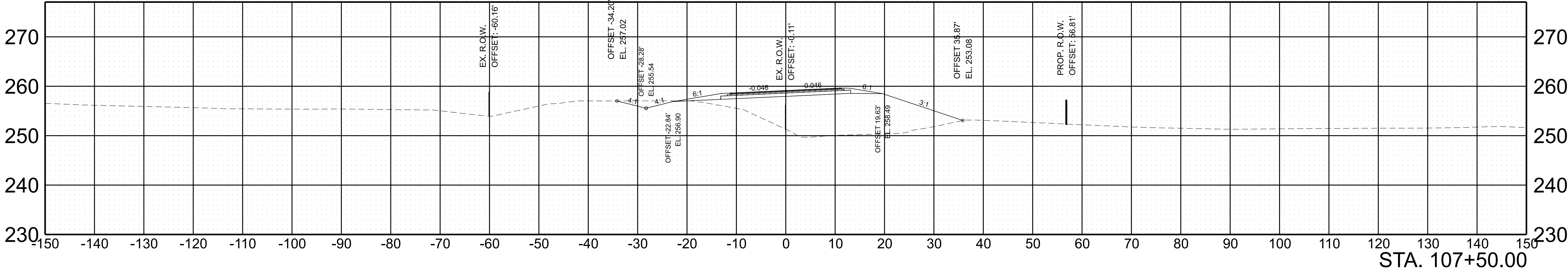
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TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		10



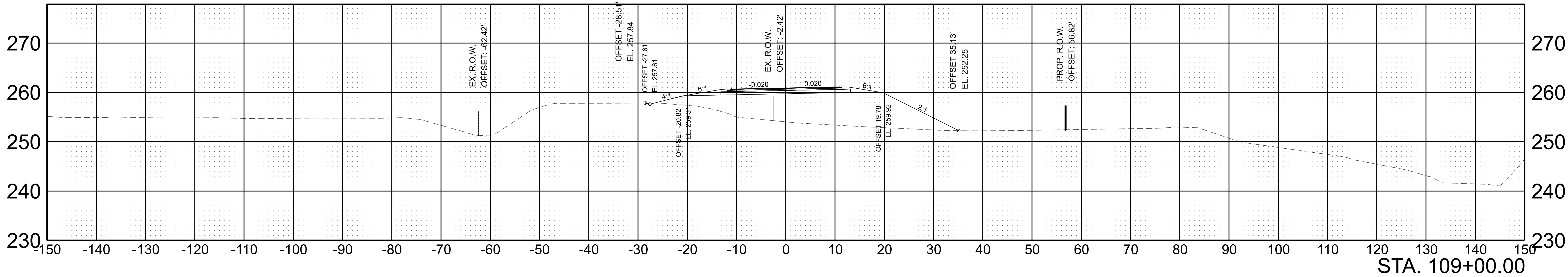
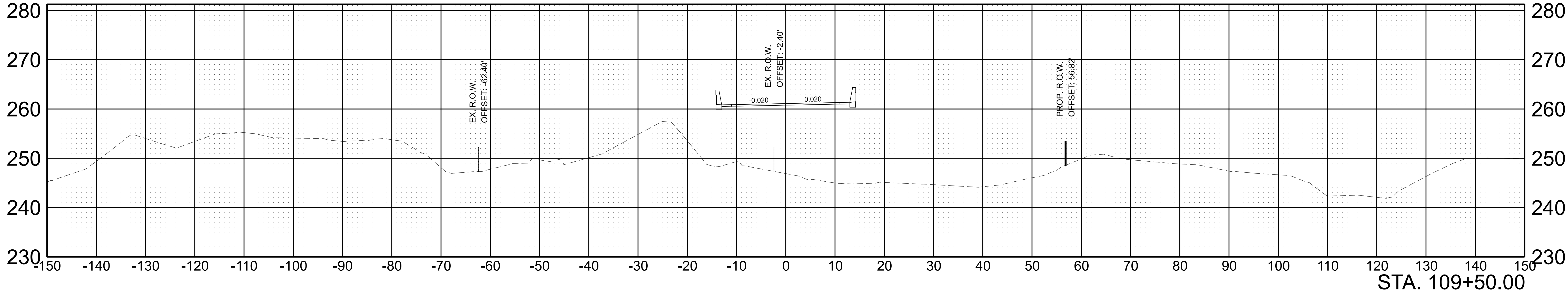
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1"=10' VERT.	END STA. 106+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		11



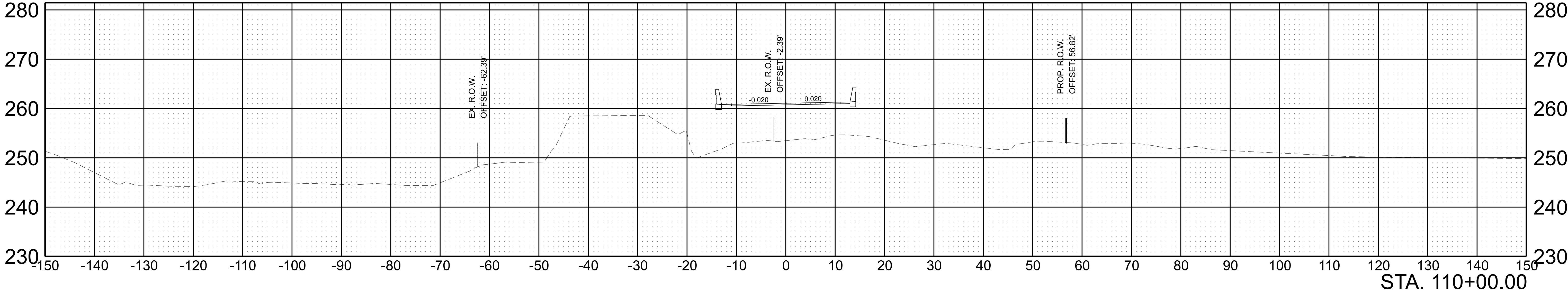
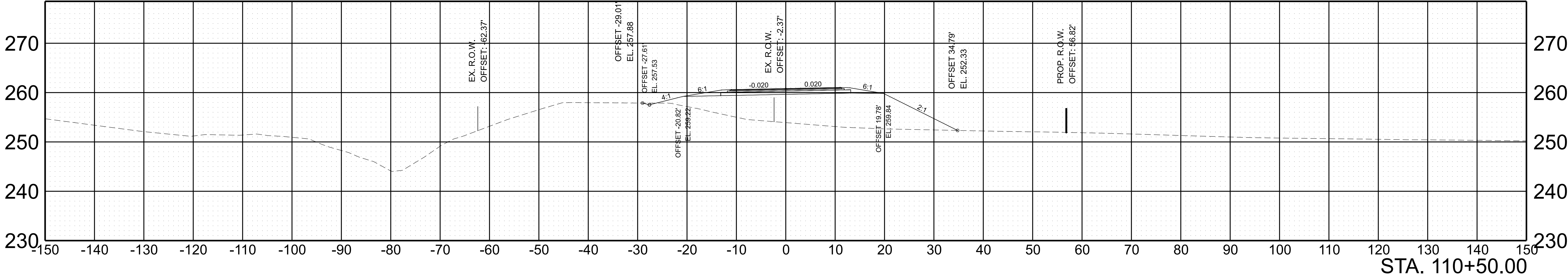
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1"=10' VERT.	END STA. 107+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		13



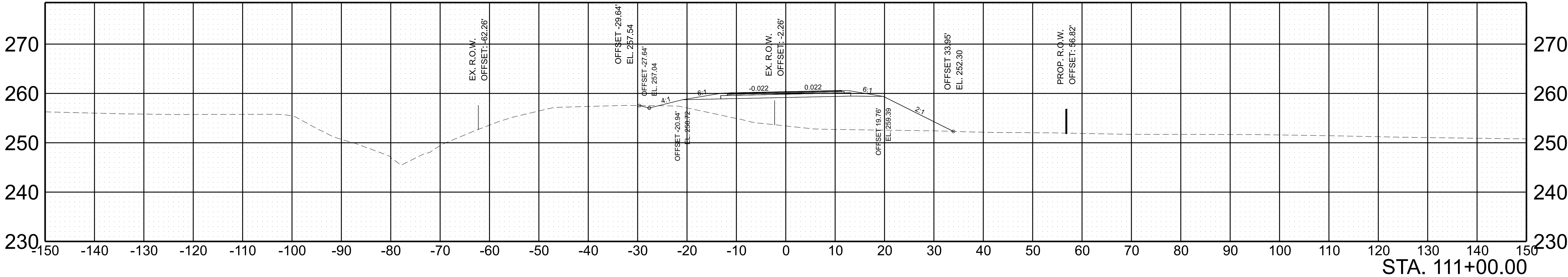
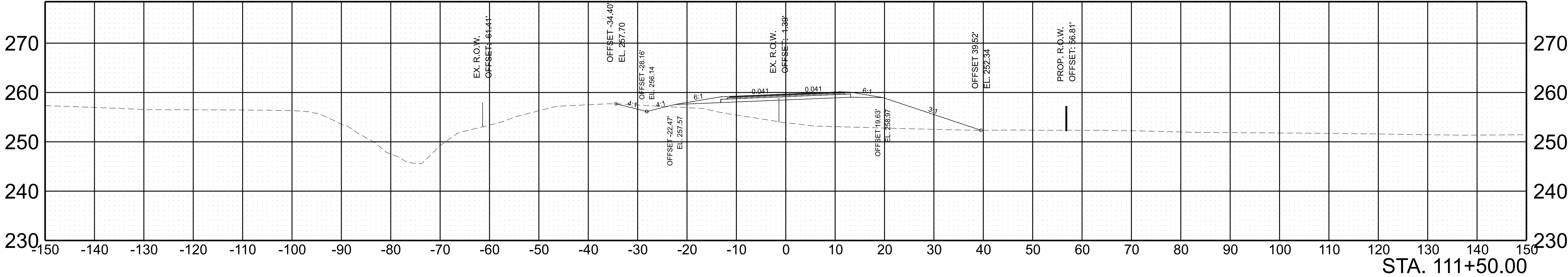
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TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		14



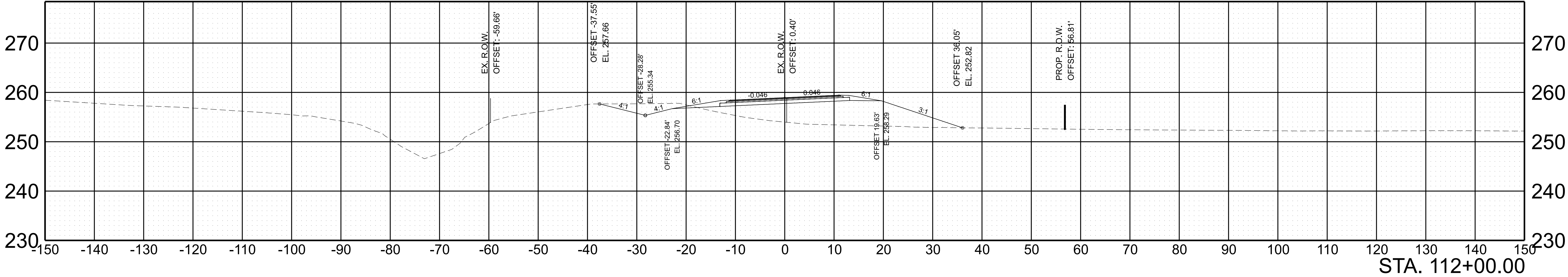
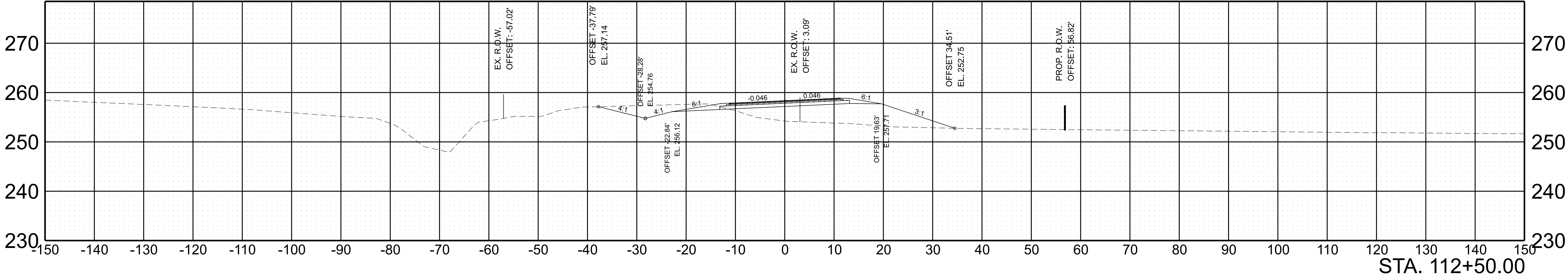
SCALE:	1"=10' HORIZ.	BEGIN STA. 110+00.00
	1"=10' VERT.	END STA. 110+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		15



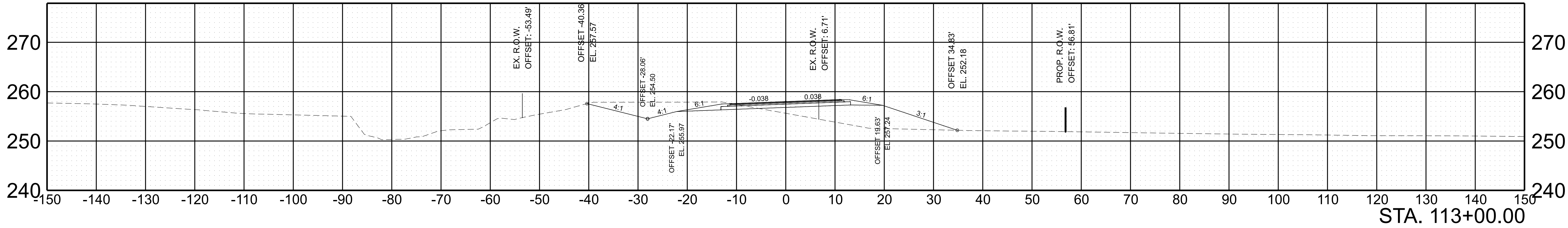
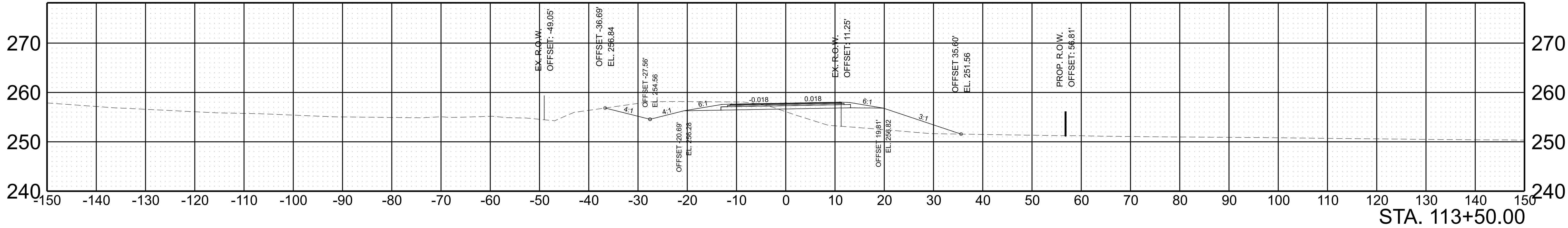
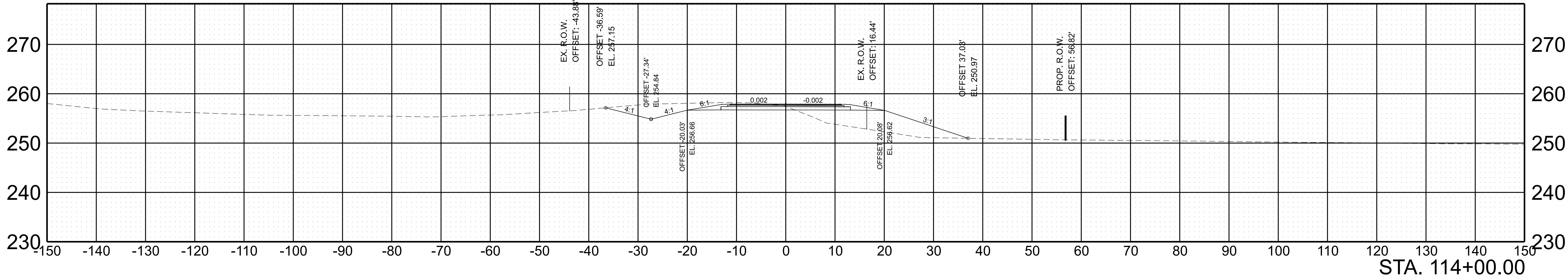
SCALE: 1"=10' HORIZ.	BEGIN STA. 111+00.00
1"=10' VERT.	END STA. 111+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		16



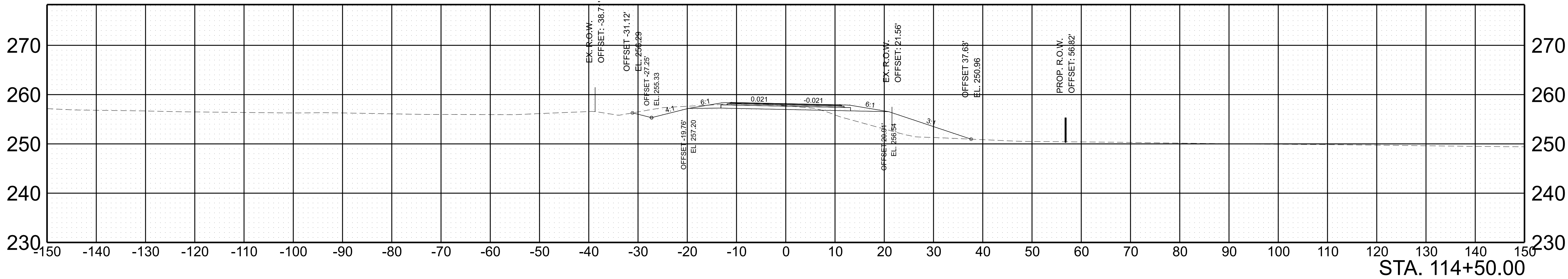
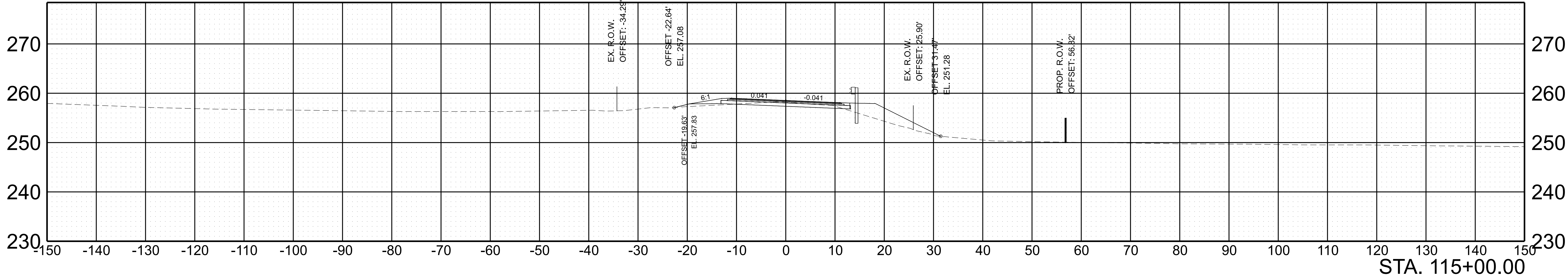
SCALE: 1"=10' HORIZ.	BEGIN STA. 112+00.00
1"=10' VERT.	END STA. 112+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		17



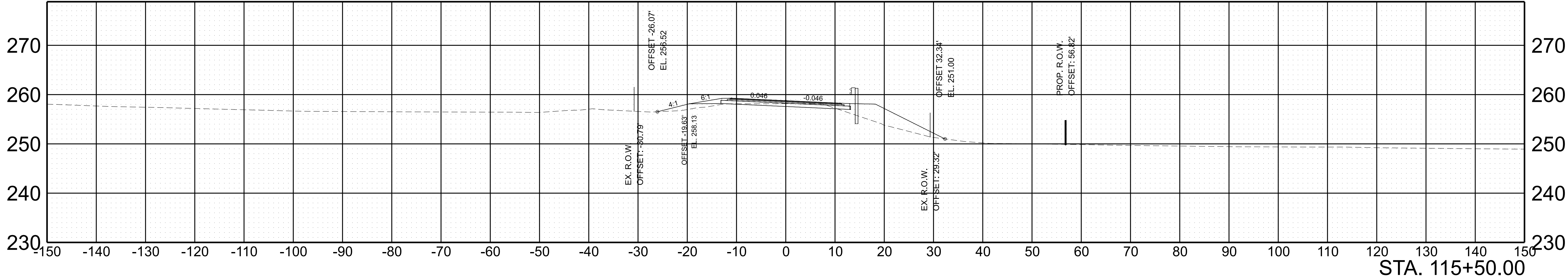
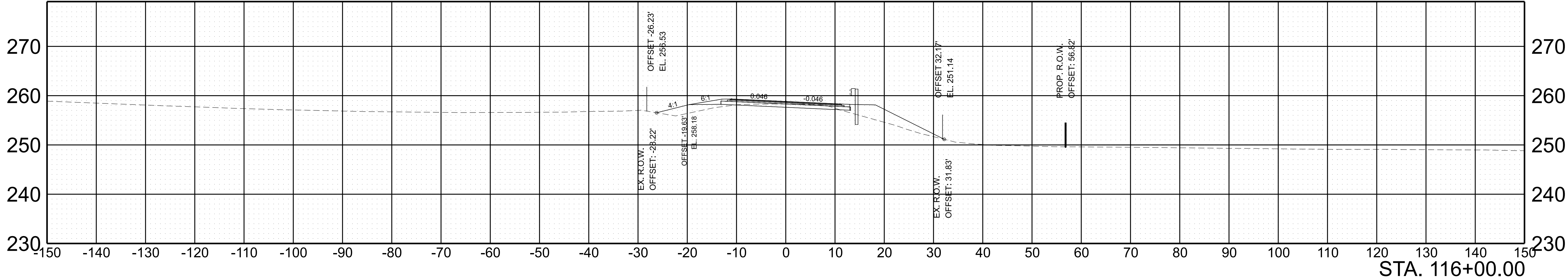
SCALE: 1"=10' HORIZ.	BEGIN STA. 113+00.00
1"=10' VERT.	END STA. 114+00.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		18



SCALE: 1"=10' HORIZ.	BEGIN STA. 114+50.00
1"=10' VERT.	END STA. 115+00.00

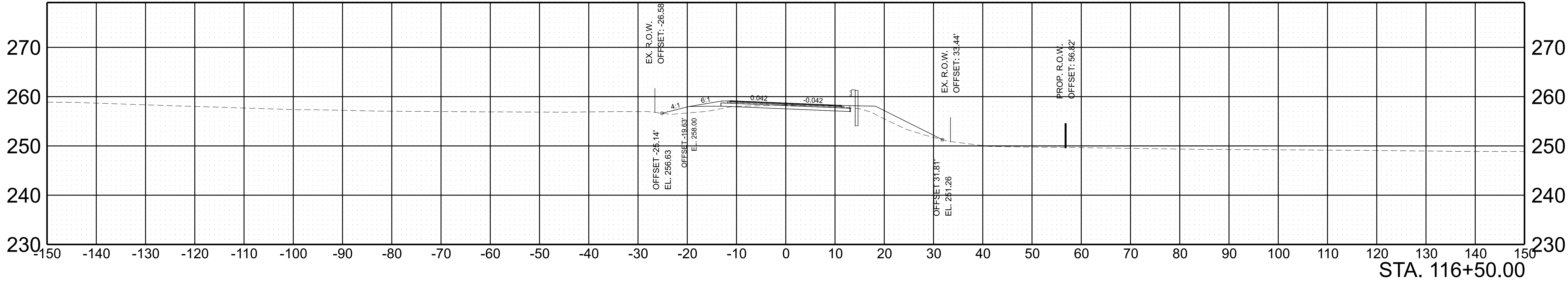
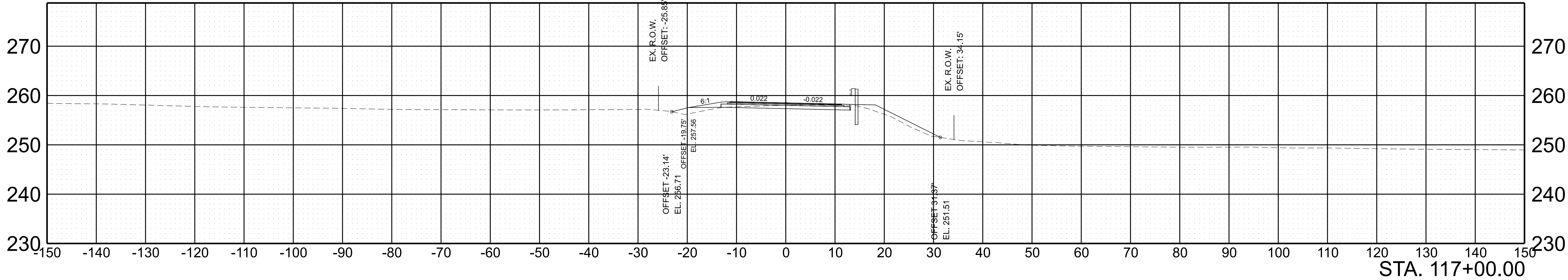
TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		19



SCALE: 1"=10' HORIZ.	BEGIN STA. 115+50.00
1"=10' VERT.	END STA. 116+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		20



SCALE: 1"=10' HORIZ.	BEGIN STA. 116+50.00
1"=10' VERT.	END STA. 117+00.00

