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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

LAUDERDALE COUNTY

STATE ROUTE 87
BRIDGE OVER
BRANCH L.M. 11.75

LINE AND GRADE
BRIDGE REPLACEMENT

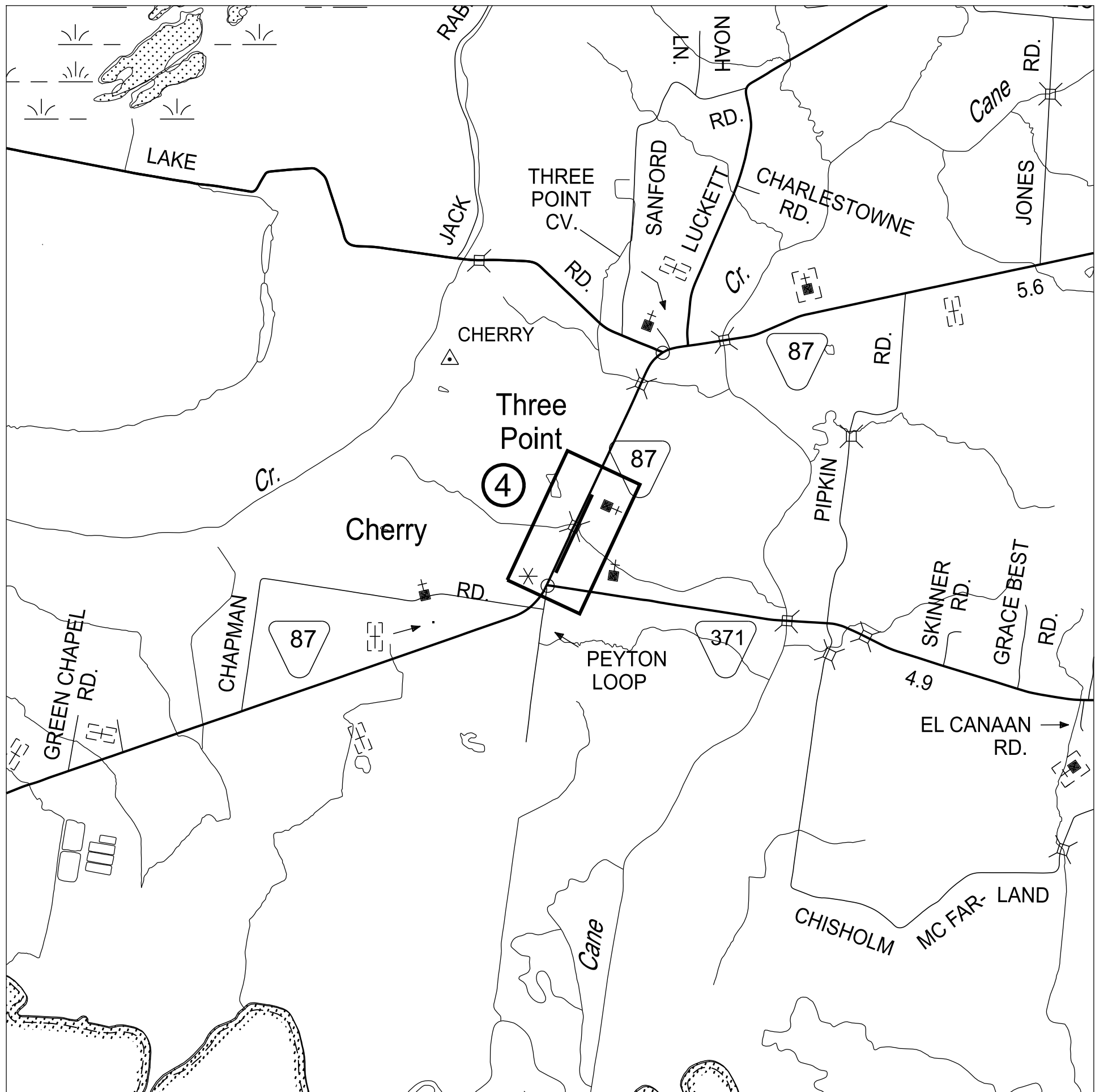
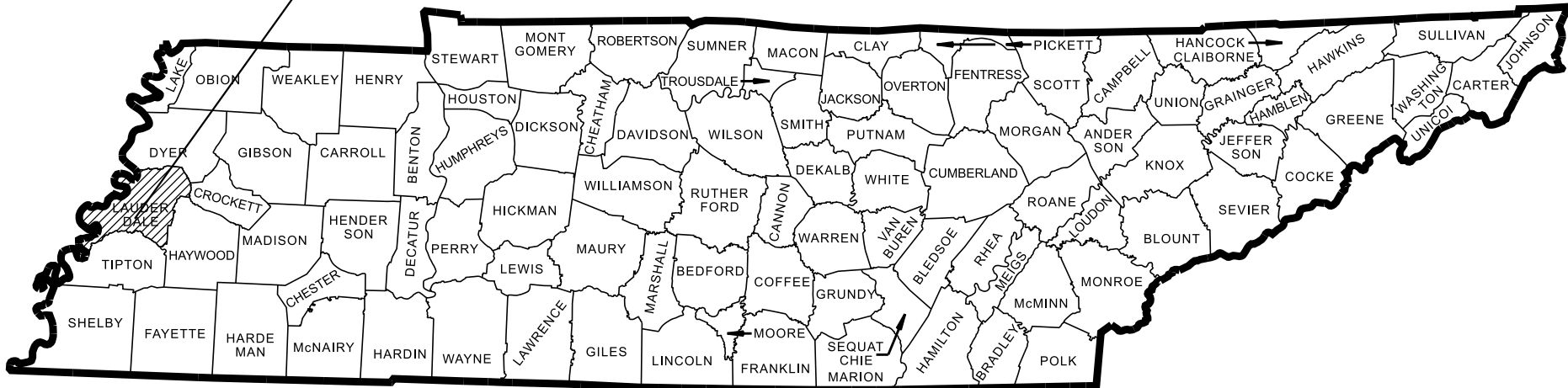
STATE HIGHWAY NO. 87 F.A.H.S. NO.

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. # 49SR0870025



NO EXCLUSIONS

CAUTION!
PRELIMINARY
PLANS
SUBJECT TO
CHANGE

DESIGN EXCEPTION
APPROVED - -

1) DESIGN SPEED EXCEPTION FOR VERTICAL CURVES.
DESIGN SPEED OF 45 MPH USED. (PENDING)

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. 136185.11

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) 860
	ADT (2049)
	DHV (2029) 103
	D -
	T (ADT) 2.0%
	T (DHV) %
	V 45 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

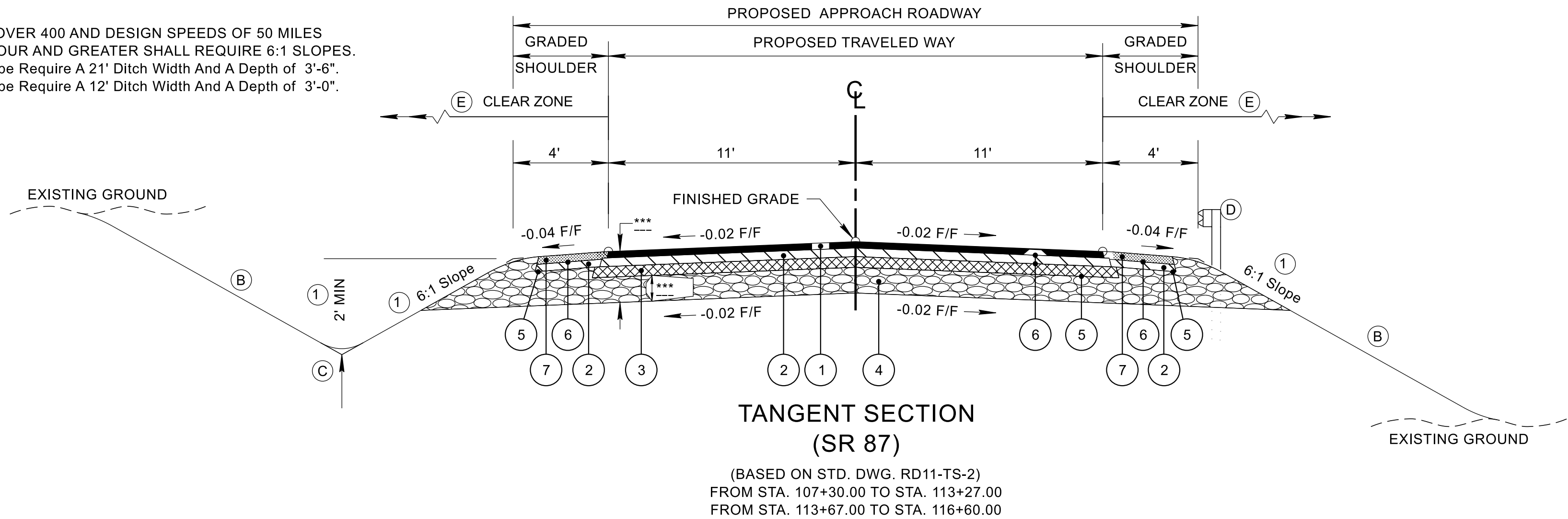
APPROVED:

DIVISION ADMINISTRATOR

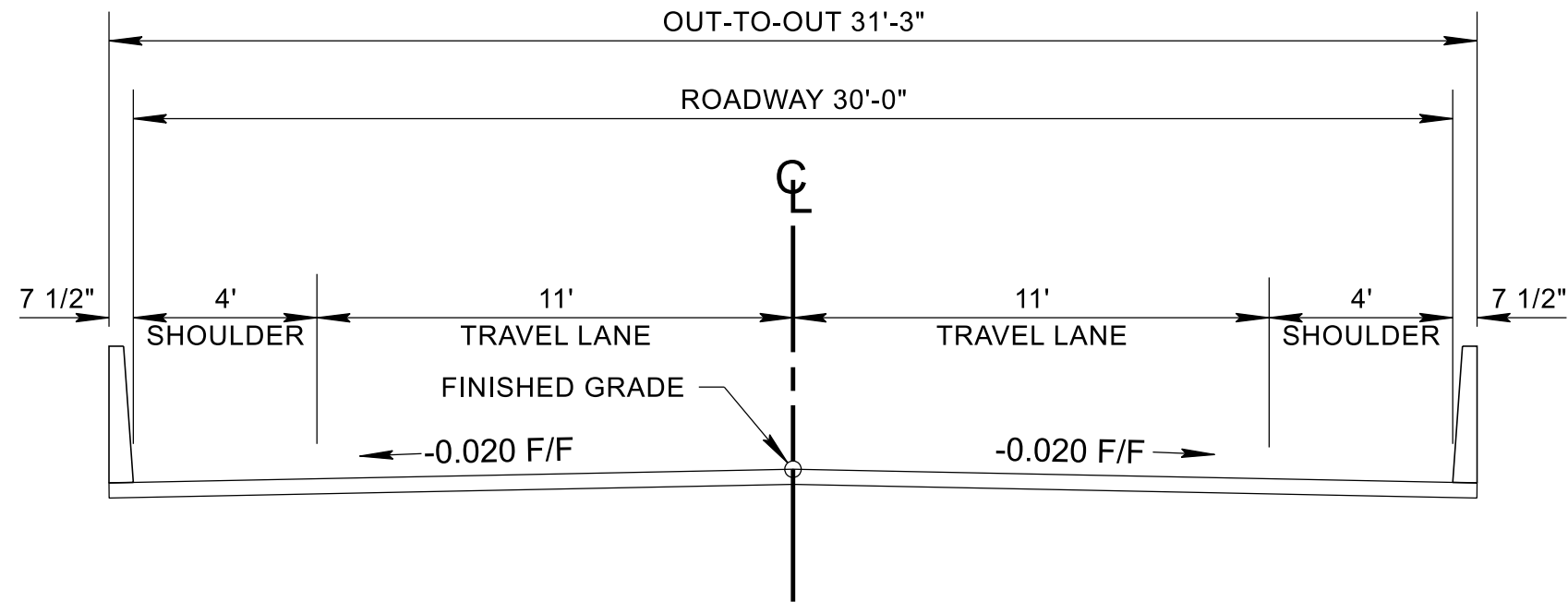
DATE

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".



- (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.



BRIDGE SECTION
(SR 87)
BRIDGE 49 FROM STA. 113+27.00 TO STA. 113+67.00

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"	

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL
SECTION

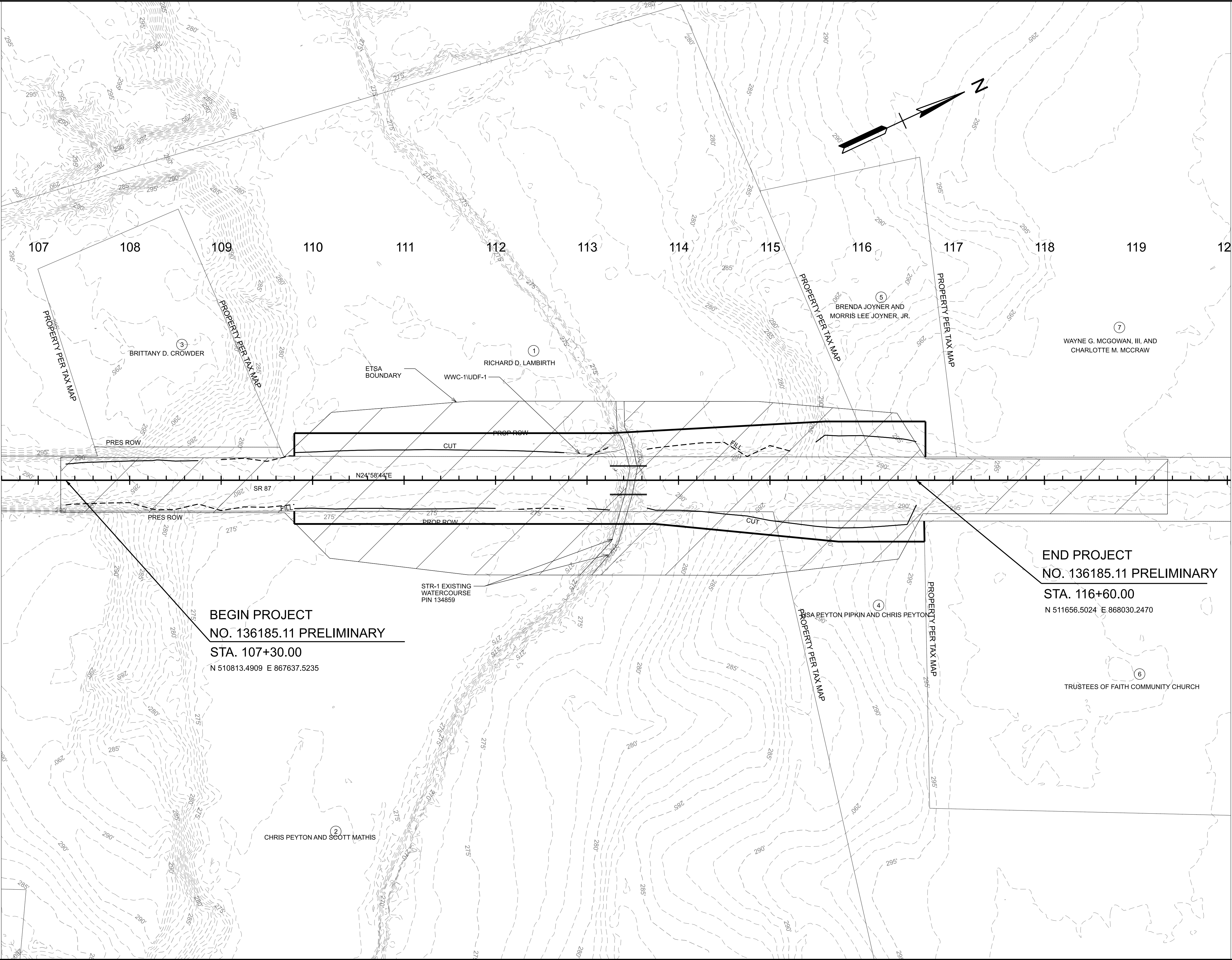
R.O.W. ACQUISITION TABLE						R.O.W. ACQUISITION TABLE													
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (SQUARE FEET)					
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM DRAINAGE	SLOPE	CONST	AIR RIGHTS	PERM RAILROAD	
				BOOK	PAGE														
1	RICHARD D. LAMBIRTH	115	036.00	DB 696	427	9.560		9.560	0.415		0.415	9.145							
2	CHRIS PEYTON AND SCOTT MATHIS	115	033.07	RB 642	503		30.020	30.020		0.184	0.184		29.836						
3	BRITTANY D. CROWDER	115	036.02	RB 742	741	0.990		0.990				0.990							
4	LISA PEYTON PIPKIN AND CHRIS PEYTON	115	033.13	RB 777	172		25.580	25.580		3421 S.F.	3421 S.F.		25.501						
5	BRENDA JOYNER AND MORRIS LEE JOYNER, JR.	115	037.01	RB 702	36	0.980		0.980	2558 S.F.		2558 S.F.	0.921							
6	TRUSTEES OF FAITH COMMUNITY CHURCH	115	033.04	RB 793	836		2.850	2.850					2.850						
7	WAYNE G. MCGOWAN, III, AND CHARLOTTE M. MCCRAW	115	037.00	RB 654	259	566.700		566.700				566.700							
ACQUISITION TOTALS (ACRES)									0.736										

DISTURBED AREA	
IN BETWEEN SLOPE LINES	1.349 (AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	0.556 (AC)
TOTAL DISTURBED AREA	1.905 (AC)
TOTAL PROJECT AREA	1.998 (AC)

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY
ACQUISITION
TABLE



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

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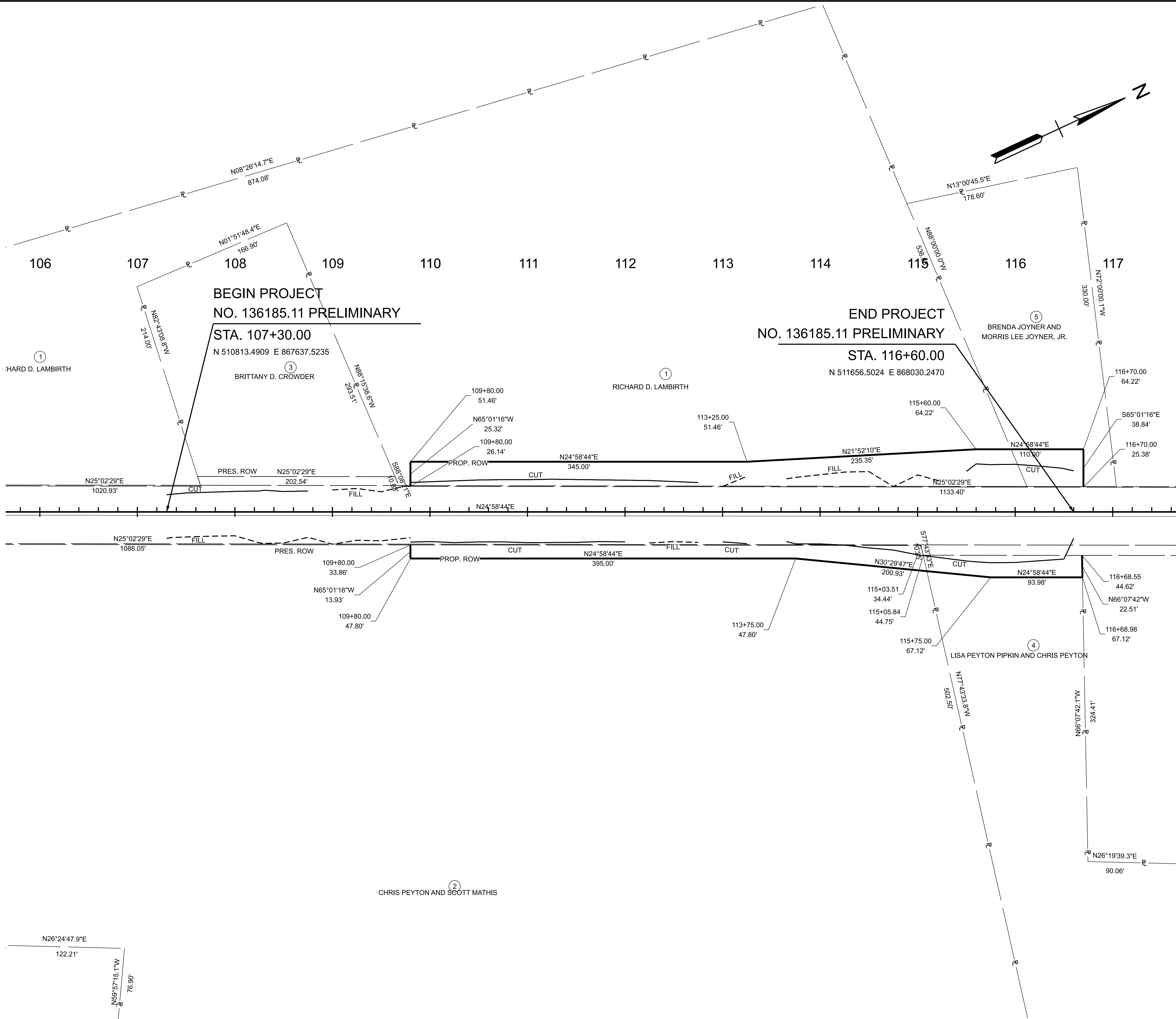
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**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**PRESENT
LAYOUT**

STA. 105+65.00 TO STA. 117+65.00
SCALE: 1" = 50'

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



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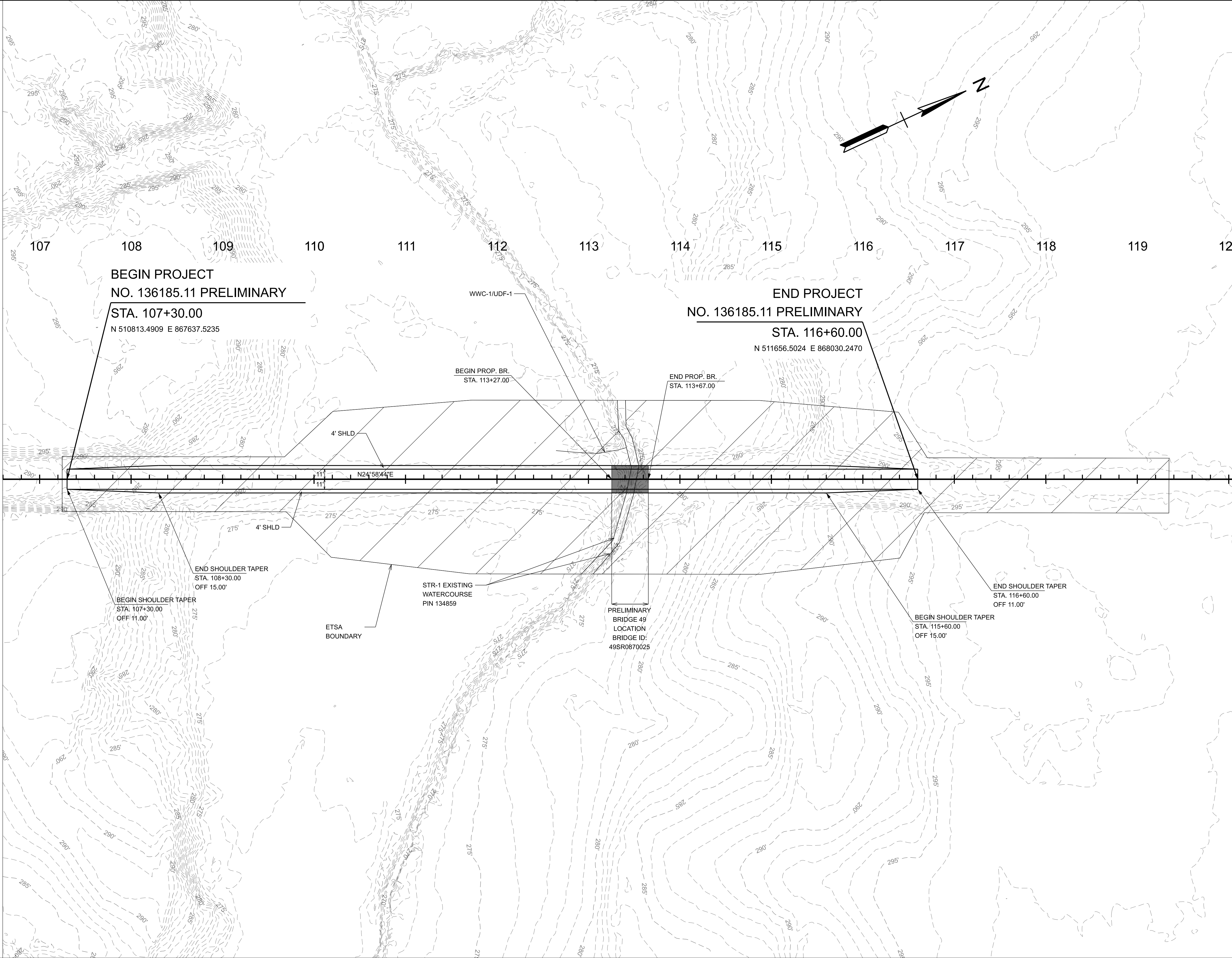
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROW
DETAILS

STA. 105+65.00 TO STA. 117+65.00
SCALE: 1" = 50'

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



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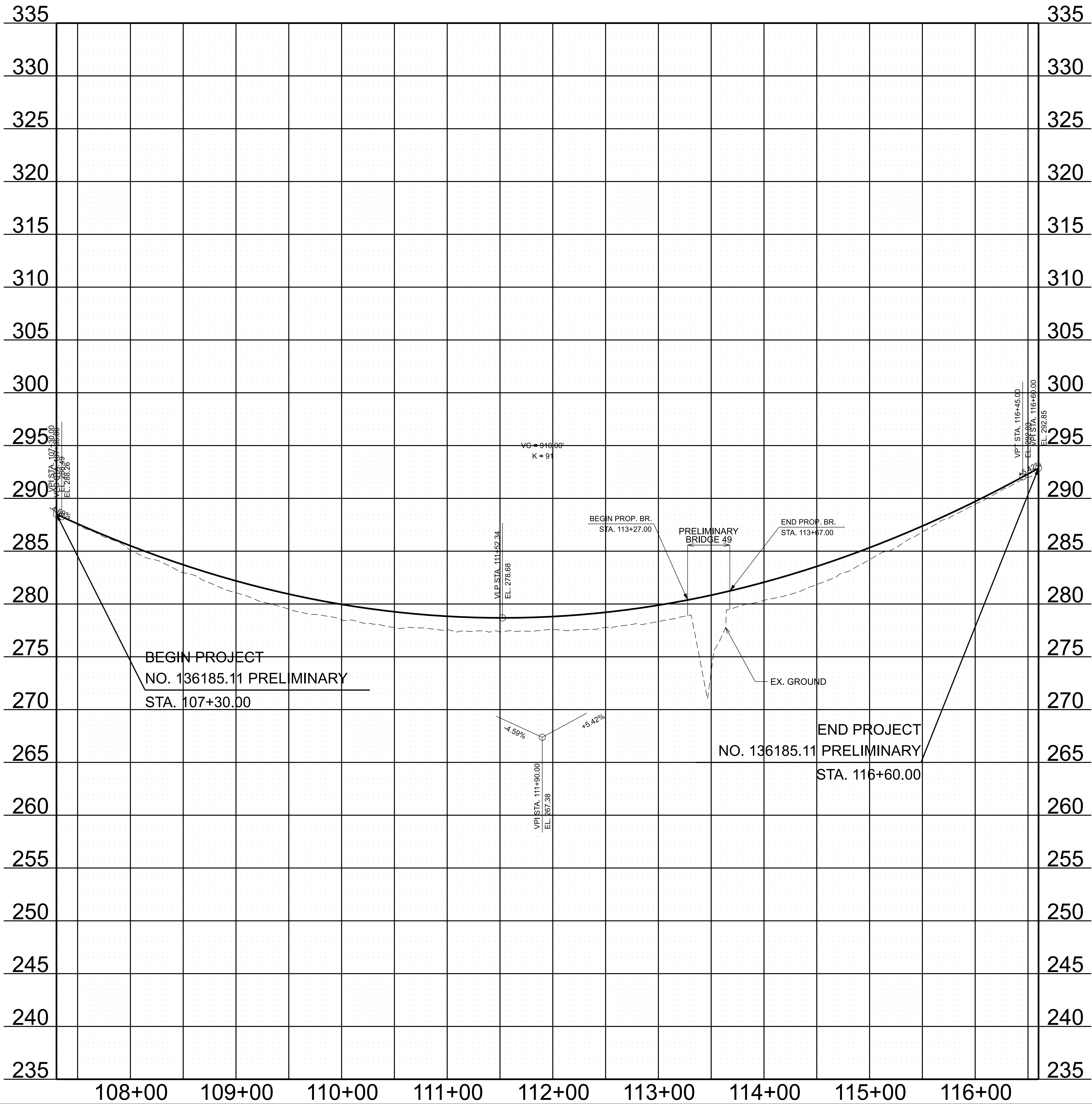
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**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**PROPOSED
LAYOUT**

STA. 105+65.00 TO STA. 117+65.00
SCALE: 1" = 50'

8/18/2025 1:05:01 PM C:\TMP\PIW\SEID\NAILLON@STRUCTUREPOINT.COM\0160769\49S087-SHT-PROPOSED PROFILE LAYOUTS.DGN



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

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
PROFILE

STA. 107+30.00 TO STA. 116+60.00

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