

09.08/99

PROJECT: 17BP.2.C.13

CONTRACT: C205075

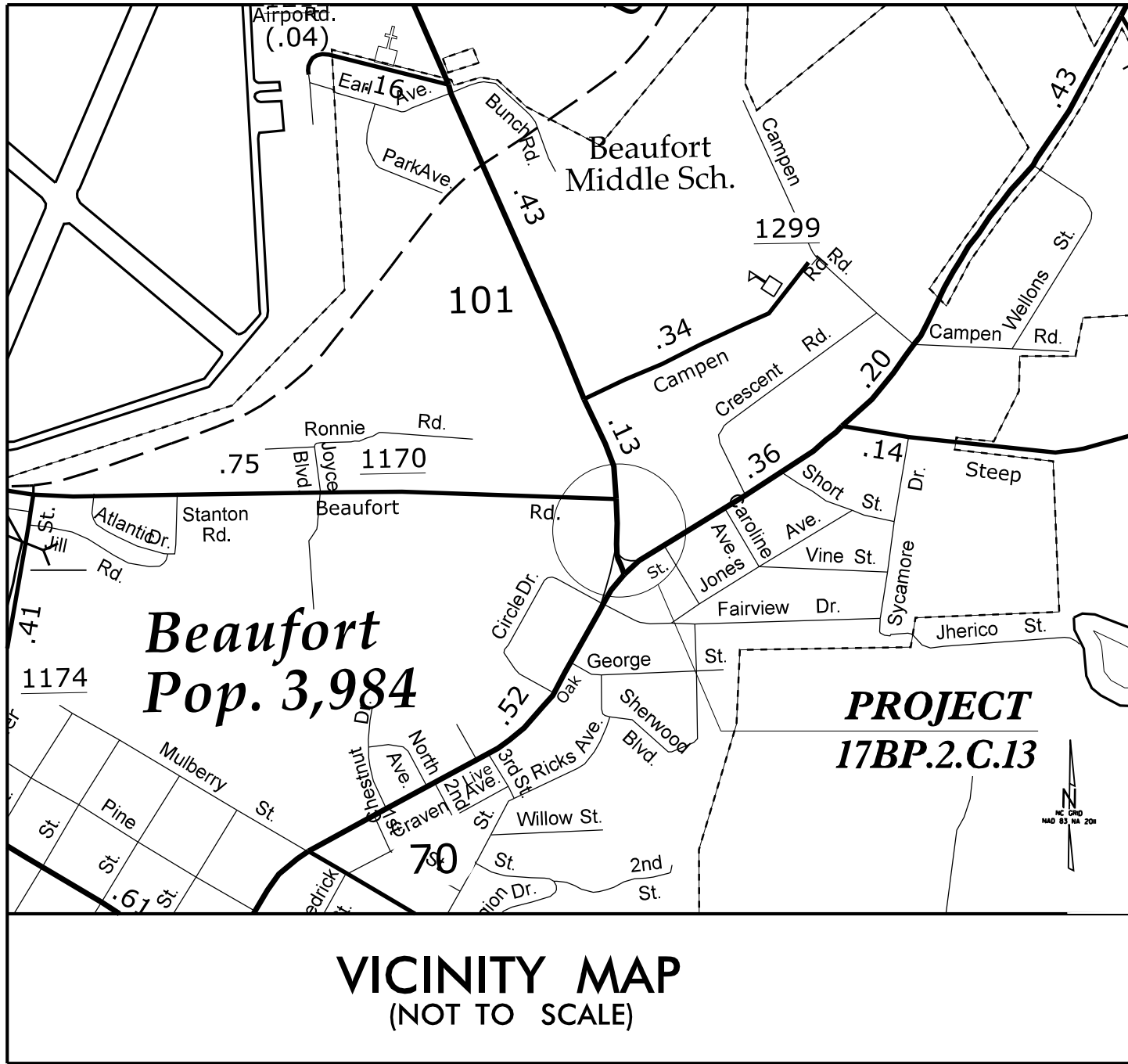
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rgoodley

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

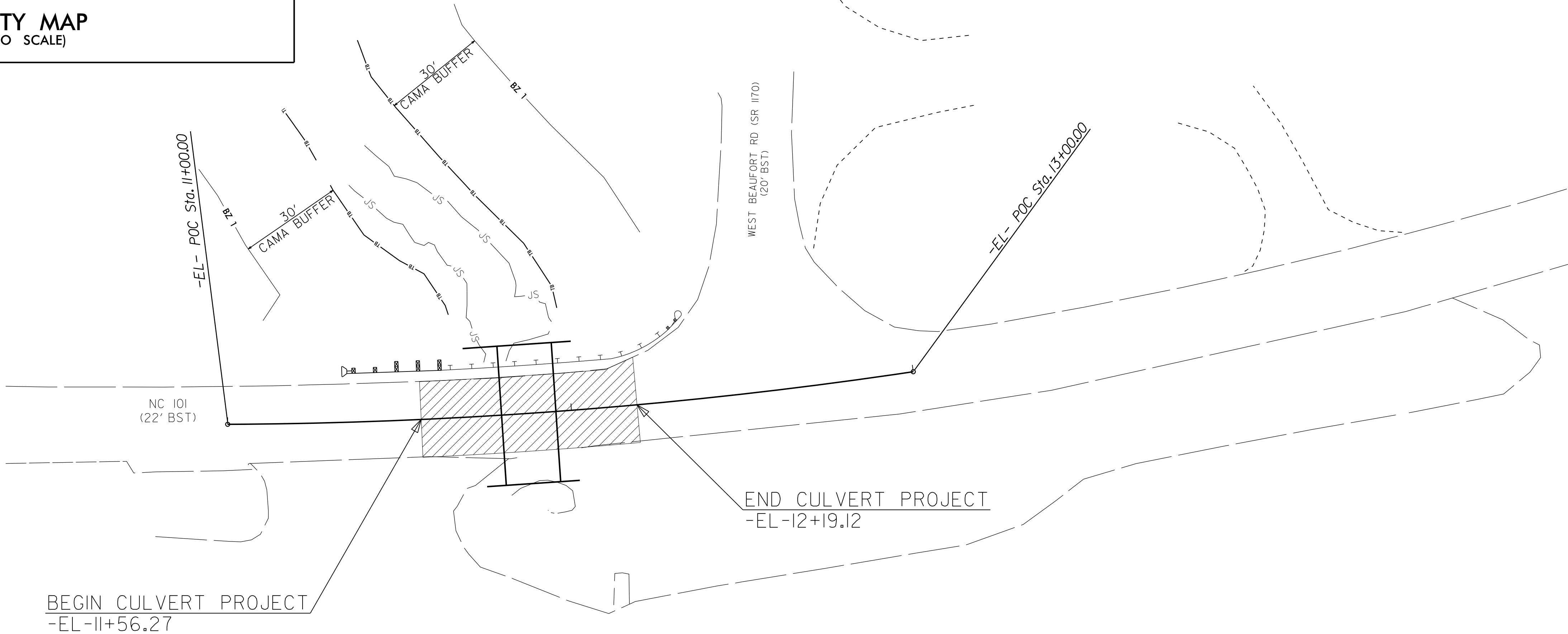
CARTERET COUNTY

LOCATION: REPLACE 4'X2' RCBC AND 18" RCP
WITH A 15'-10"X3'-6" ALUMINUM BOX CULVERT
ON NC 101 +/- 50' SOUTH OF SR 1170 (WEST BEAUFORT RD.)
AND 400' NORTH OF US 70 IN BEAUFORT, NC

TYPE OF WORK: GRADING, PAVING AND CULVERT

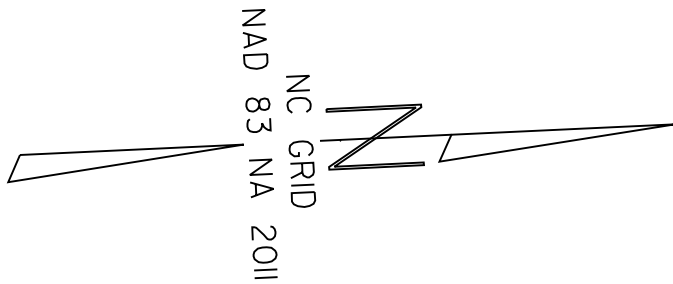


VICINITY MAP
(NOT TO SCALE)



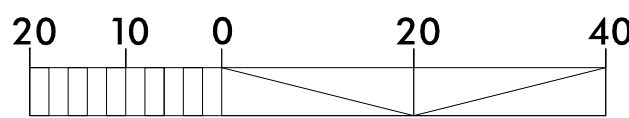
See Sheet 1-A For Index of Sheets

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	17BP.2.C.13	1	15
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
17BP.2.C.13			

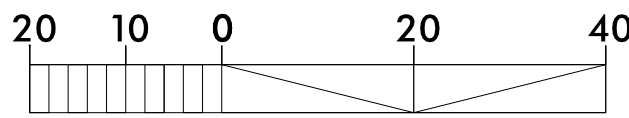


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



PLANS



PROFILE (HORIZONTAL)



PROFILE (VERTICAL)

DESIGN DATA

ADT =
ADT =
K = %
D = %
T = % *
V = MPH
* TTST = DUAL
FUNC CLASS =
REGIONAL TIER

PROJECT LENGTH

LENGTH CULVERT PROJECT 17BP.2.C.13 = 0.012 MI

Prepared In the Office of:
DIVISION OF HIGHWAYS
1037 WH Smith BLVD., Greenville, NC 27834

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
JULY 15, 2025

HEATHER C. LANE, PE
PROJECT ENGINEER

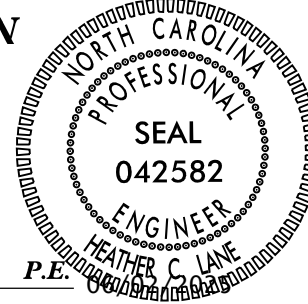
RICH GODLEY
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

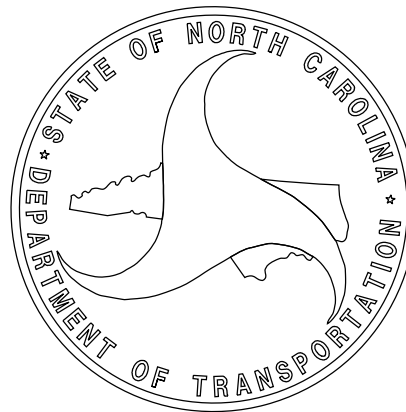


DocuSigned by:
Heather C. Lane
1154562942400
SIGNATURE:

ROADWAY DESIGN
ENGINEER



DocuSigned by:
Heather C. Lane
1154562942400
SIGNATURE:



8/17/99

STD...Central Let\101\070\pipe-psh2a.dgn

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revised

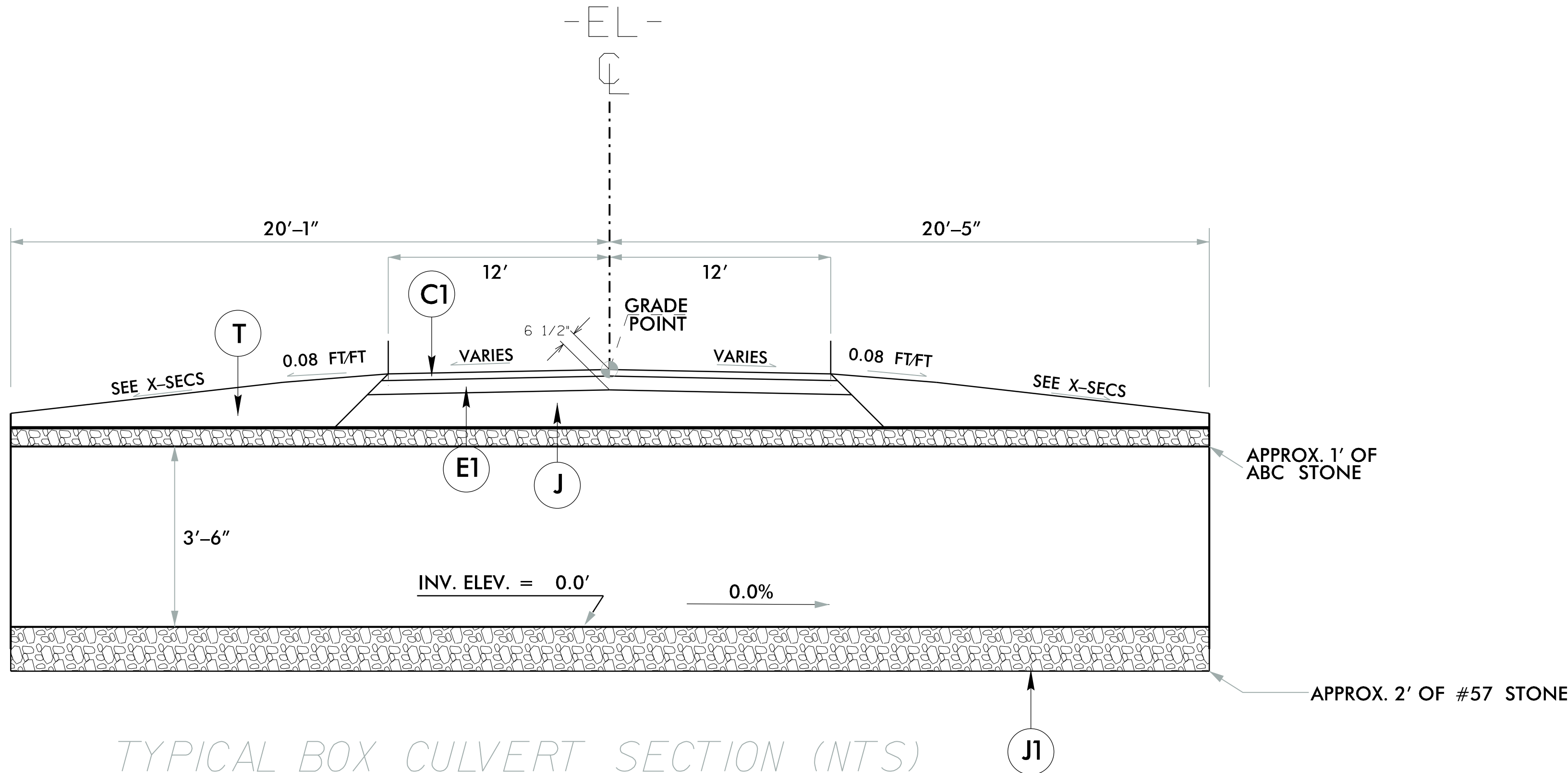
REVISIONS

FINAL PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
E1	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ.YD.
J	VARIABLE DEPTH AGGREGATE BASE COURSE
J1	#57 STONE
N	GEOTEXTILE SEPARATOR FABRIC
T	EARTH MATERIAL.

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

PAY ITEMS

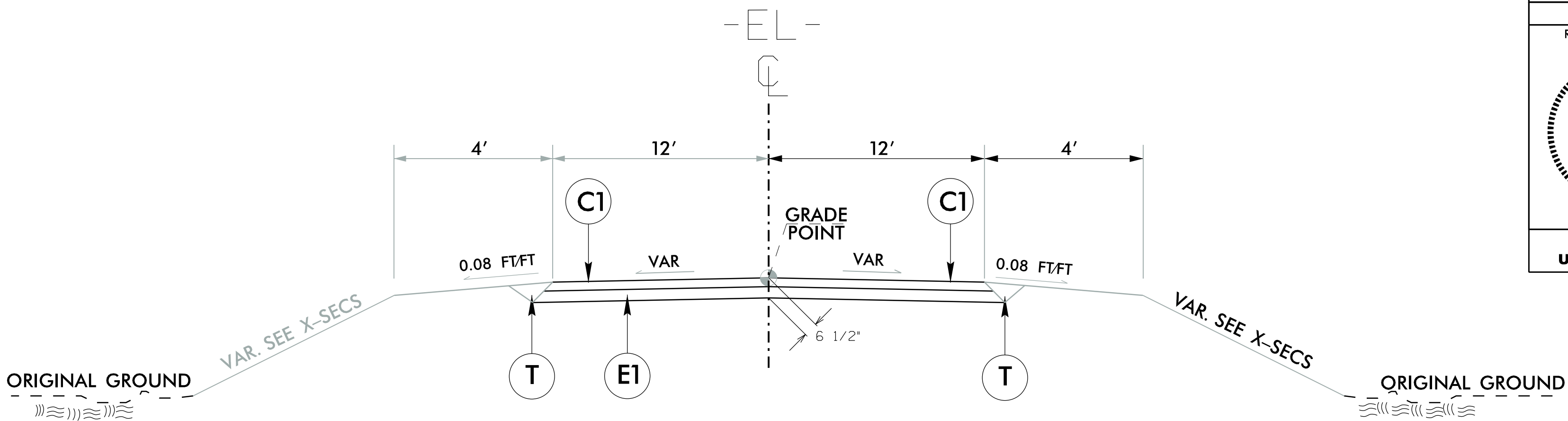
REMOVAL OF EXISTING STRUCTURE AT STA. -EL-11+77.48- LUMP SUM
CORR. ALUMINUM BOX CULVERT- 1 @ 40'-6"L X 15'-10"W X 3'-6" H WITH HEADWALLS- LUMP SUM



TYPICAL BOX CULVERT SECTION (NTS)

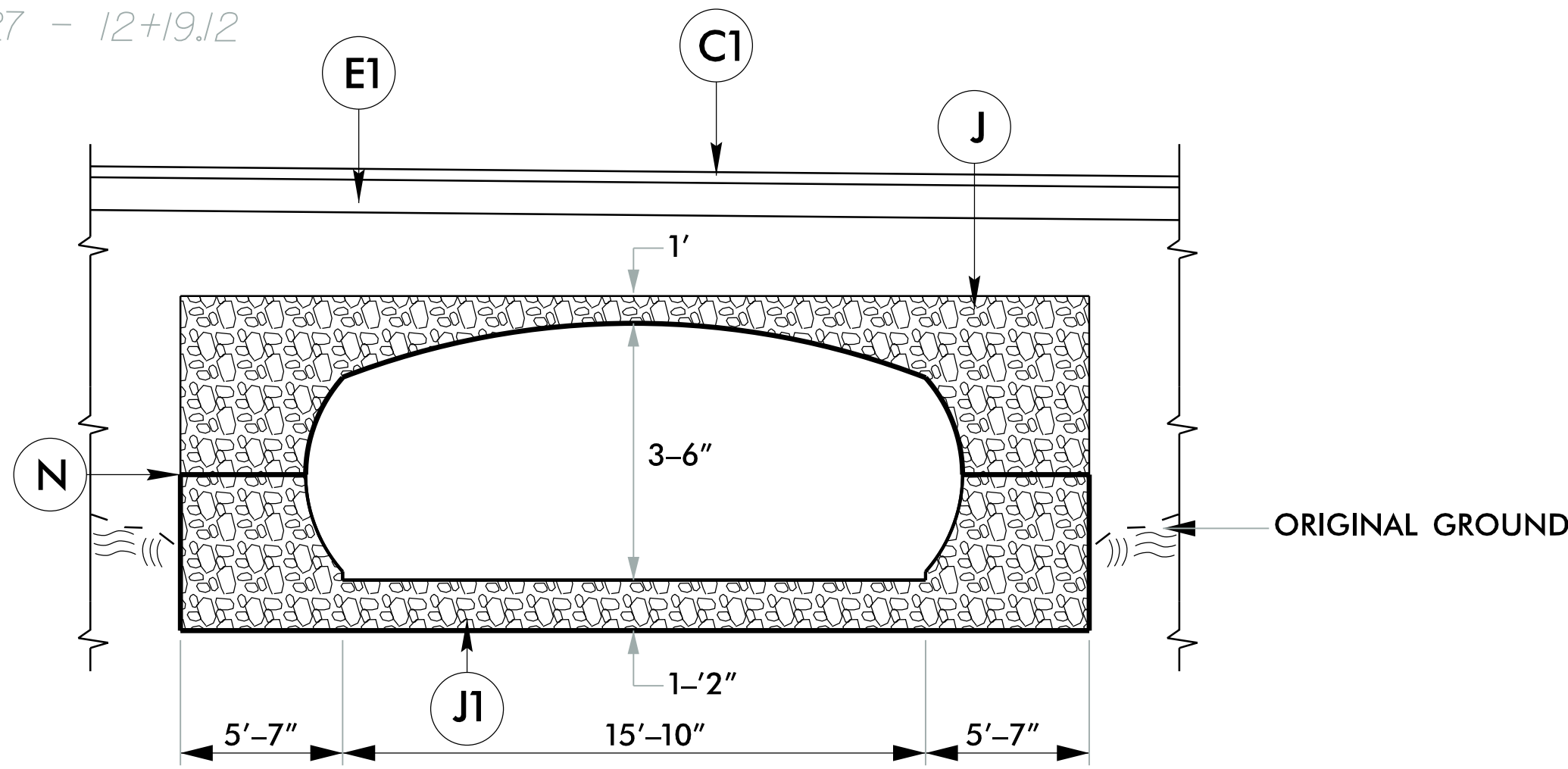
-EL- STATION 11+87.57

SIDE VIEW



TYPICAL SECTION (NTS)

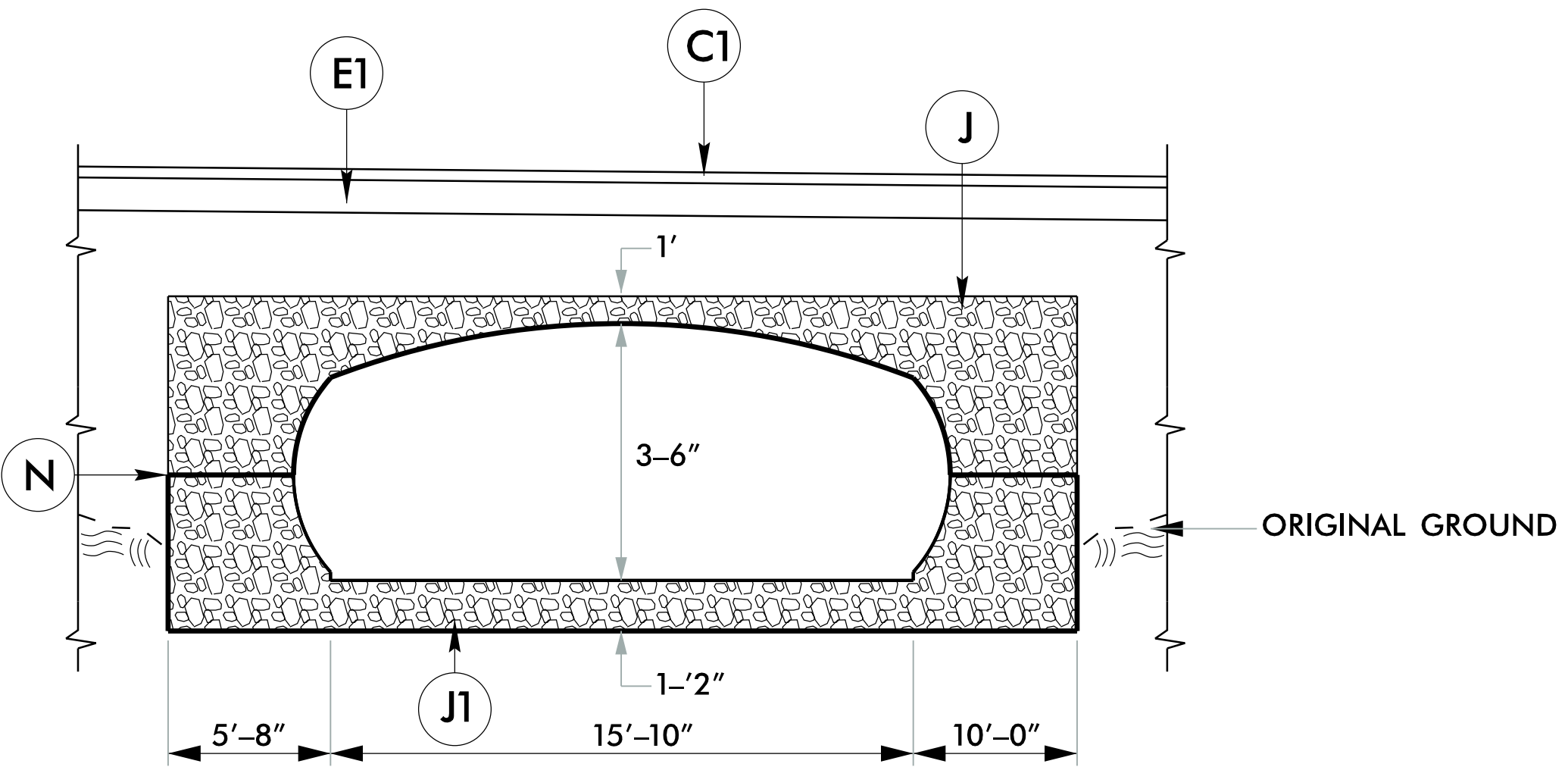
CULVERT-EL- STATION 11+56.27 - 12+19.12



TYPICAL BOX CULVERT SECTION (NTS)

-EL- STATION 11+87.57

INLET END VIEW

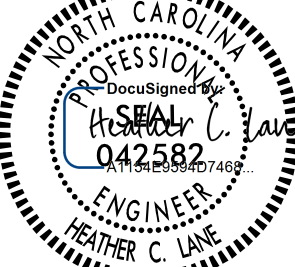
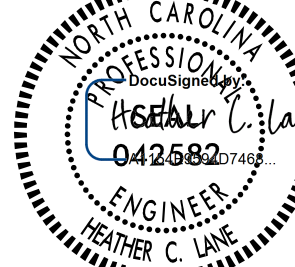


TYPICAL BOX CULVERT SECTION (NTS)

-EL- STATION 11+87.57

OUTLET END VIEW

**DRAWING NOT TO SCALE*

PROJECT REFERENCE NO.		SHEET NO.	
17BP.2.C13		2A	
R/W SHEET NO.		N/A	
ROADWAY DESIGN ENGINEER		PAVEMENT DESIGN ENGINEER	
			
06/02/2025		06/02/2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

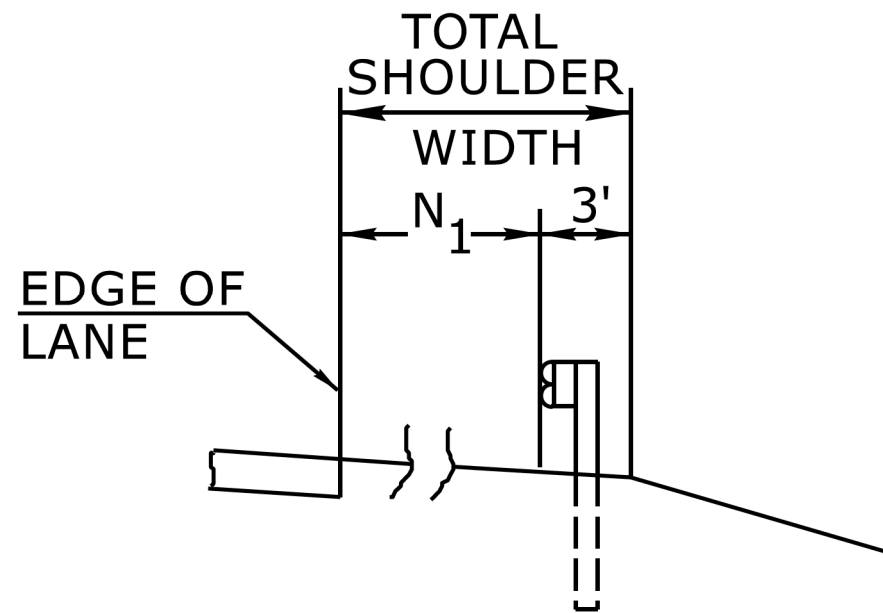
8/17/99

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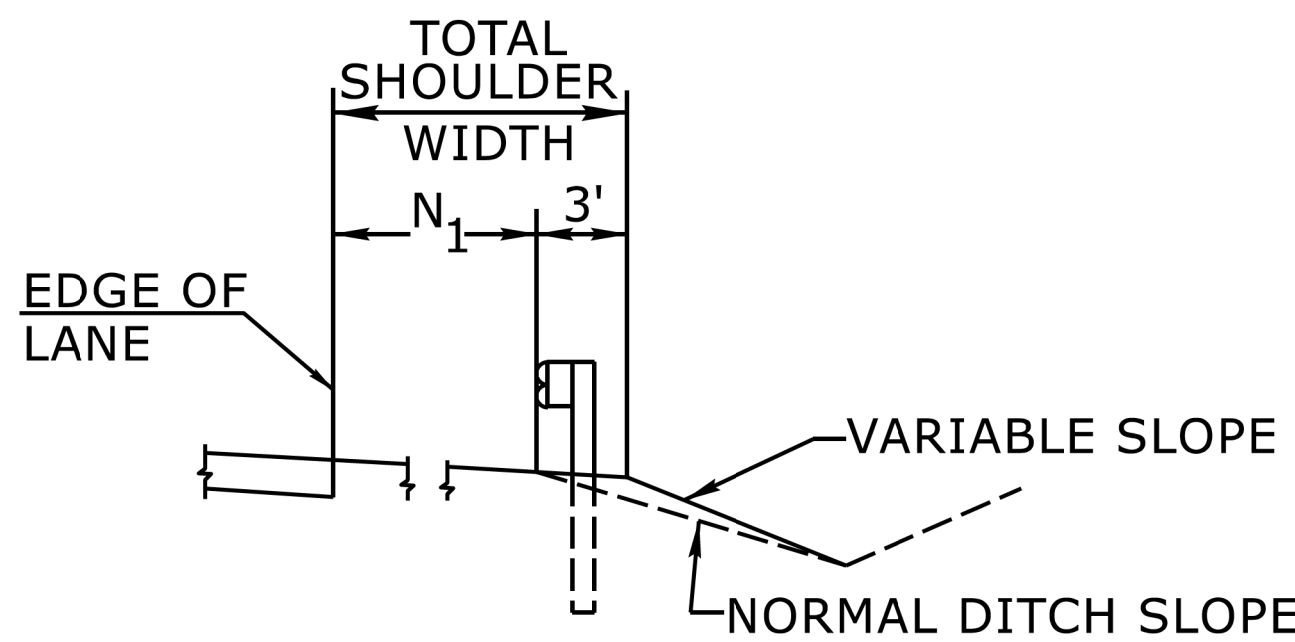
PROJECT REFERENCE NO.	SHEET NO.
17BP.2.C.13	2C

REVISIONS

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roadleu

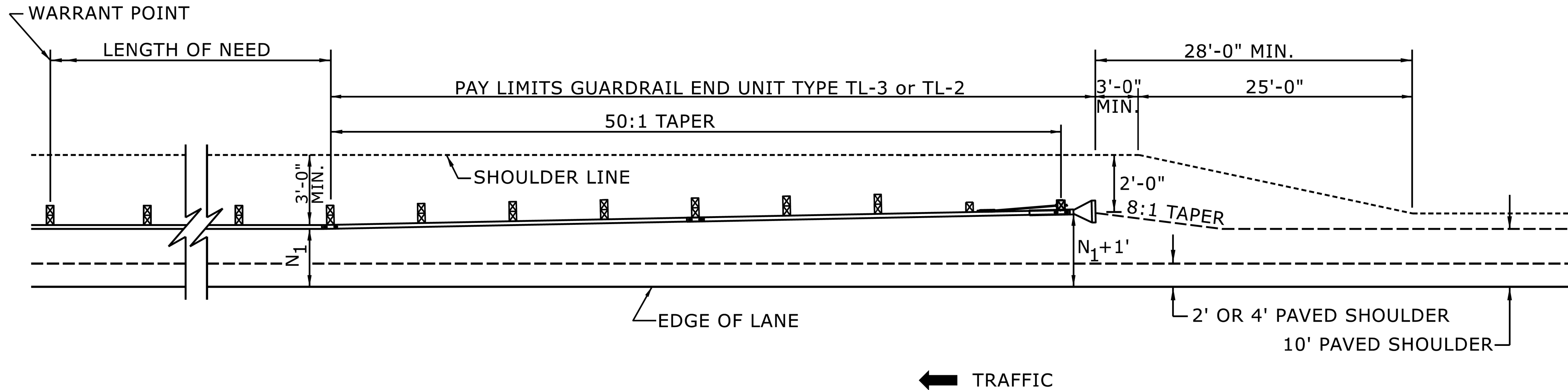


FILL SECTION



CUT SECTION

"N₁"= DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL WHERE GUARDRAIL IS PARALLEL TO LANE.



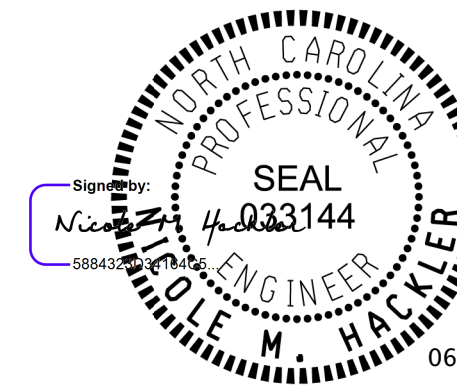
FOR POSTED SPEEDS ≥ 45mph USE GREU TYPE TL-3
FOR POSTED SPEEDS < 45mph USE GREU TYPE TL-2

DETAIL OF BEGINNING OF GUARDRAIL IN CUT OR FILL SECTION

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT

SHEET 6 OF 15
862D01



06/11/2025

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UNLESS ALL SIGNATURES COMPLETED

CONTRACTS STANDARDS AND DEVELOPMENT UNIT			
Office 919-707-6950		FAX 919-250-4119	
SEE TITLE BLOCK			
ORIGINAL BY:	<u>S.CALHOUN</u>	DATE:	<u>7-25-2024</u>
MODIFIED BY:		DATE:	
CHECKED BY:		DATE:	
FILE SPEC.:			

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC.

[illegible]

SUMMARY OF EARTHWORK IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION		UNDERCUT	EMBT + %	BORROW	WASTE
–EL– 11 + 56.27 – 12 + 19.12	414		0	27	5	0
PROJECT TOTAL	414		0	27	5	392
GRAND TOTAL	414		0	27	5	392
SAY	420				10	

PAVEMENT REMOVAL SUMMARY IN SQUARE YARDS

LINE	STATION – STATION	LOCATION	REMOVAL (SY)
–EL–	11 + 56.27 – 12 + 19.12	CL	153.63
TOTAL			153.63
SAY			160

NOTE:

APPROXIMATE QUANTITIES ONLY. CLEARING AND GRUBBING, UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS										IMPACT ATTENUATOR TYPE 350			25'-0" CLEAR SPAN GUARDRAIL SECTION (EACH)	GUARDRAIL REMOVAL (LF)	ADDITIONAL GUARDRAIL POSTS (EACH)	REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	CAT-1	TL-2											PERMITTED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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-EL-	11 + 35	11 + 62	LT					11 + 35	2.0'	5.0'		25.0'		0.0'		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						</

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.
G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

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REVISIONS

