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See Sheet 1A For Index of Sheets	STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS	STATE STATE PROJECT REFERENCE NO.  DN12177638  STATE PROJ. NO. F. A. PROJ. NO.  GMR14.HAY.1P
	DIVISION 14	GMR14.HAY.2P  GMR14.JAC.1P  GMR14.JAC.2P  GMR14.SWA.1P  GMR14.SWA.2P
	LOCATION: VARIOUS LOCATIONS  ACROSS DISTRICT 2 IN DIVISION 14	
	TYPE OF WORK: $ID/IQ$ ON-CALL GUARDRAIL REPAIR & MAINTENANCE SERVICES	
	HAYWOOD	
	GRAHAM JACKSON HENDERSON	
	CHEROKEE MACON  POLK  TRANSY- LVANIA	
	CLAY	
	Prepared in the Office of:  DIVISION OF HIGHWAYS  253 WEBSTER RD., SYLVA NC, 28779	OF NORTH CARO

RIGHT OF WAY DATE:

N/A

LETTING DATE:

JULY 22, 2025

WILLIAM WEDDLE, P.E.

PROJECT ENGINEER

JAMES HOLLINGSWORTH P.E.

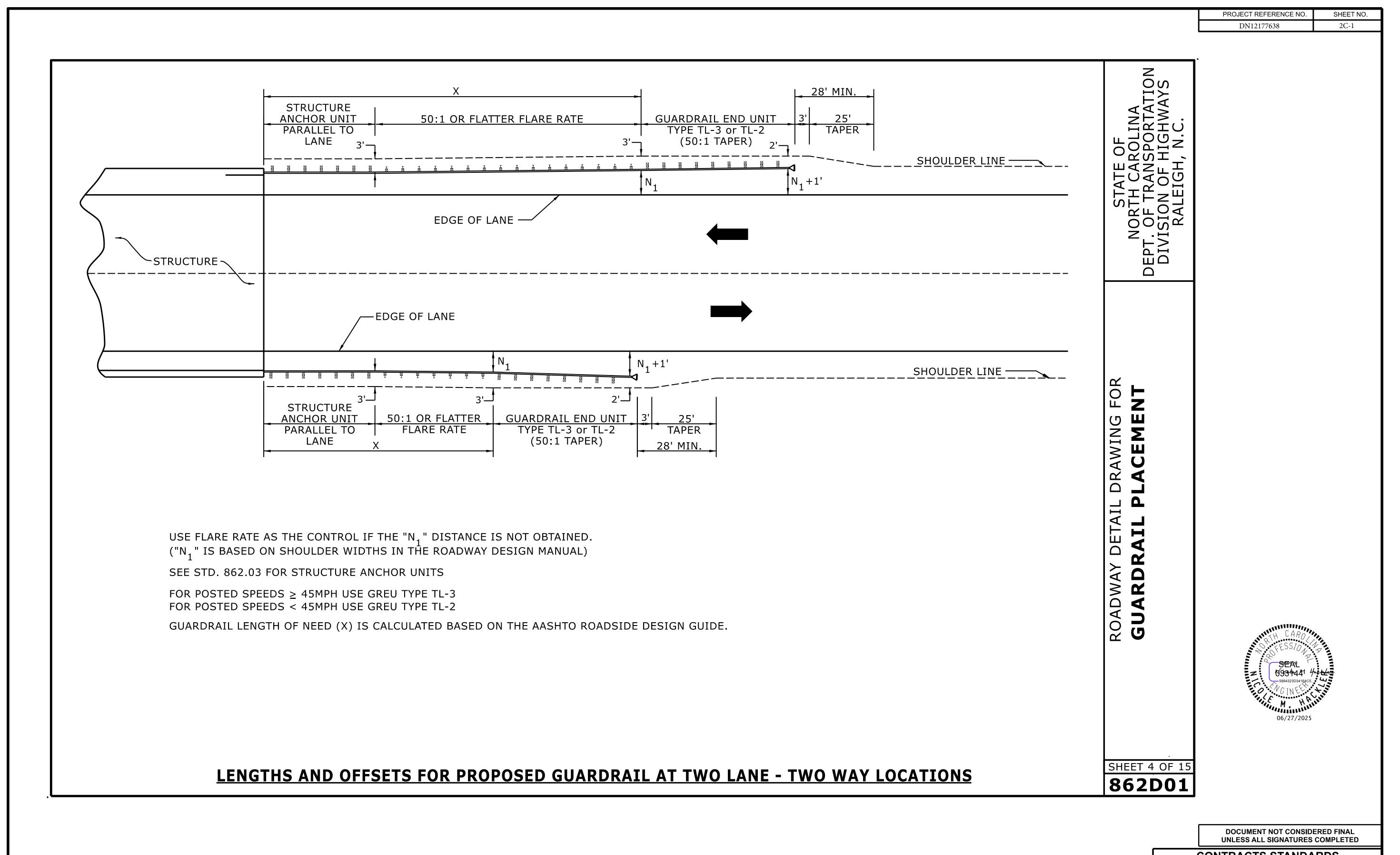
## STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.			SHEET NO.	TOTAL SHEETS
$\mathbb{N}.\mathbb{C}.$	DN12177638		1-A	2	
STAT	STATE PROJ. NO. F. A. PROJ. NO.			DESCRIPT	TION
GMR	14.HAY.1P	N/A	О	CONSTRUCTION	
GMR14.HAY.2P			C	CONSTRUCTION	
GMR <sup>2</sup>	GMR14.JAC.1P		O	ONSTRU	CTION
GMR <sup>2</sup>	GMR14.JAC.2P		O	ONSTRU	<u>ICTION</u>
GMR14.SWA.1P			C	ONSTRU	<u>IC</u> TION
GMR1	GMR14.SWA.2P		С	ONSTRU	<u>ICTION</u>

### 2024 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Contracts Standards and Development Unit – N. C. Department of Transportation – Raleigh, N. C., Dated January 16, 2024 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO. TITLE
DIVISION 8 – INCIDENTALS
862.01 Guardrail Placement (Use Details in Lieu of Standards for Sheets
4, 6, 12, and 14 of 15)
862.02 Guardrail Installation
862.03 Structure Anchor Units (Use Detail in Lieu of Standard for Sheet 8 of 9)
862.04 Anchoring End of Guardrail – for B–77 and B–83 Anchor Units
865.01 Cable Guiderail

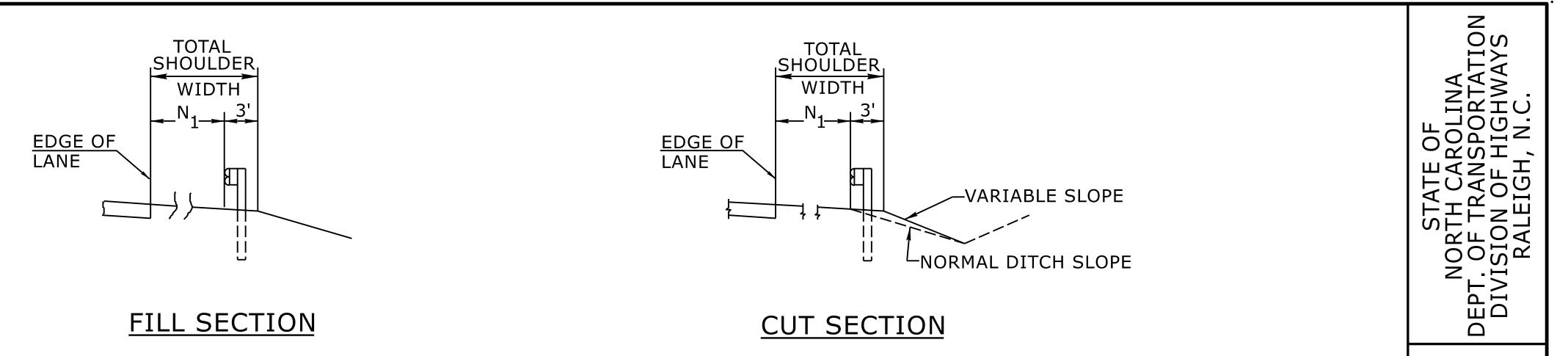


CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

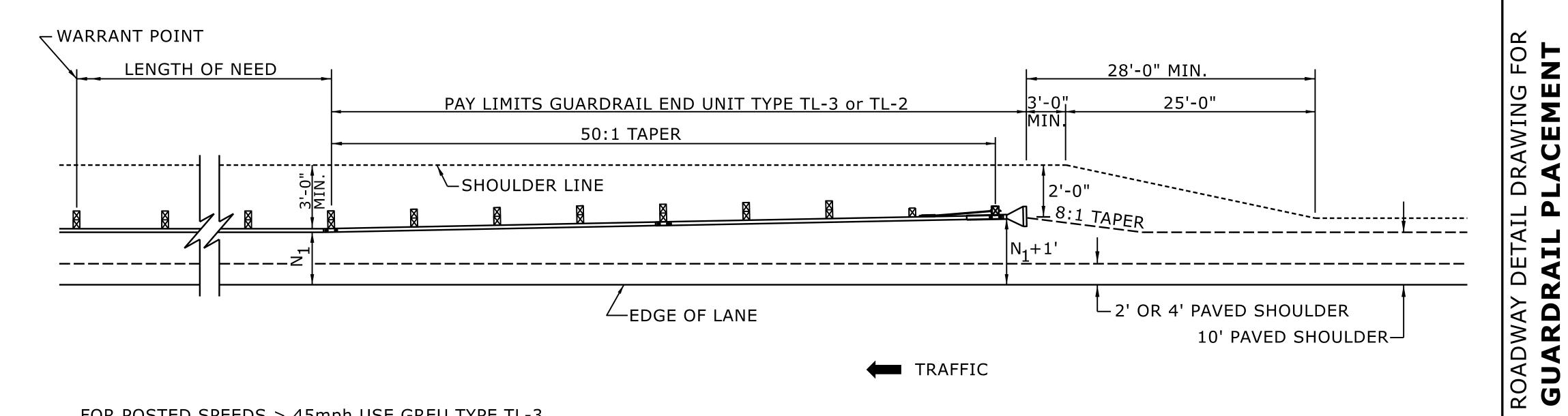
ORIGINAL BY:	S.CALHOUN	DATE: _	7-25-2024
MODIFIED BY:		DATE:	
CHECKED BY:		DATE:	

PROJECT REFERENCE NO. SHEET NO.

DN12177638 2C-2

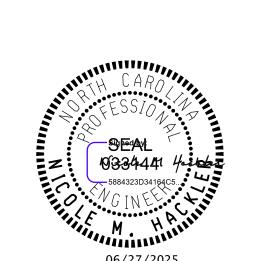


"N<sub>1</sub>"= DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL WHERE GUARDRAIL IS PARALLEL TO LANE.



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**

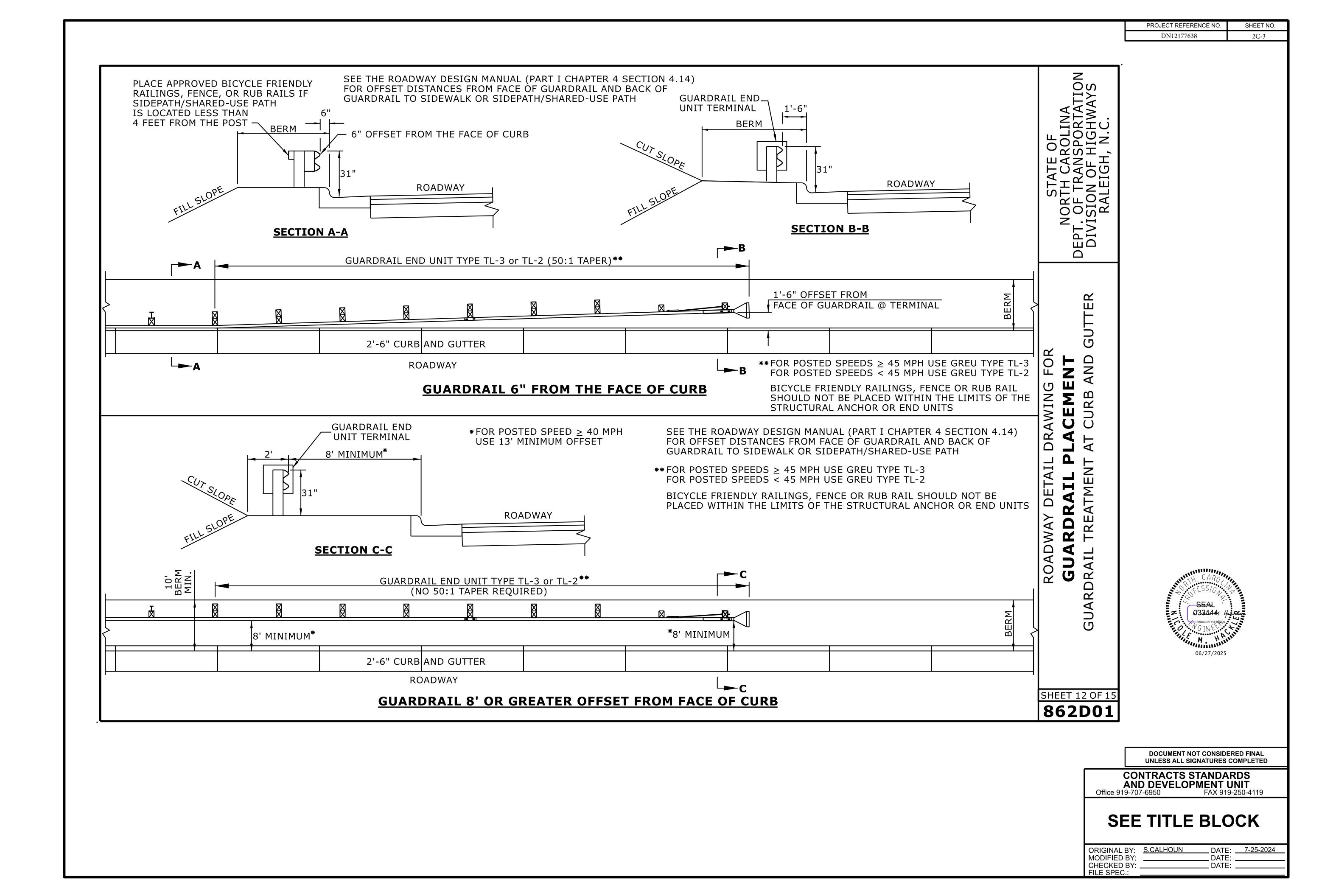


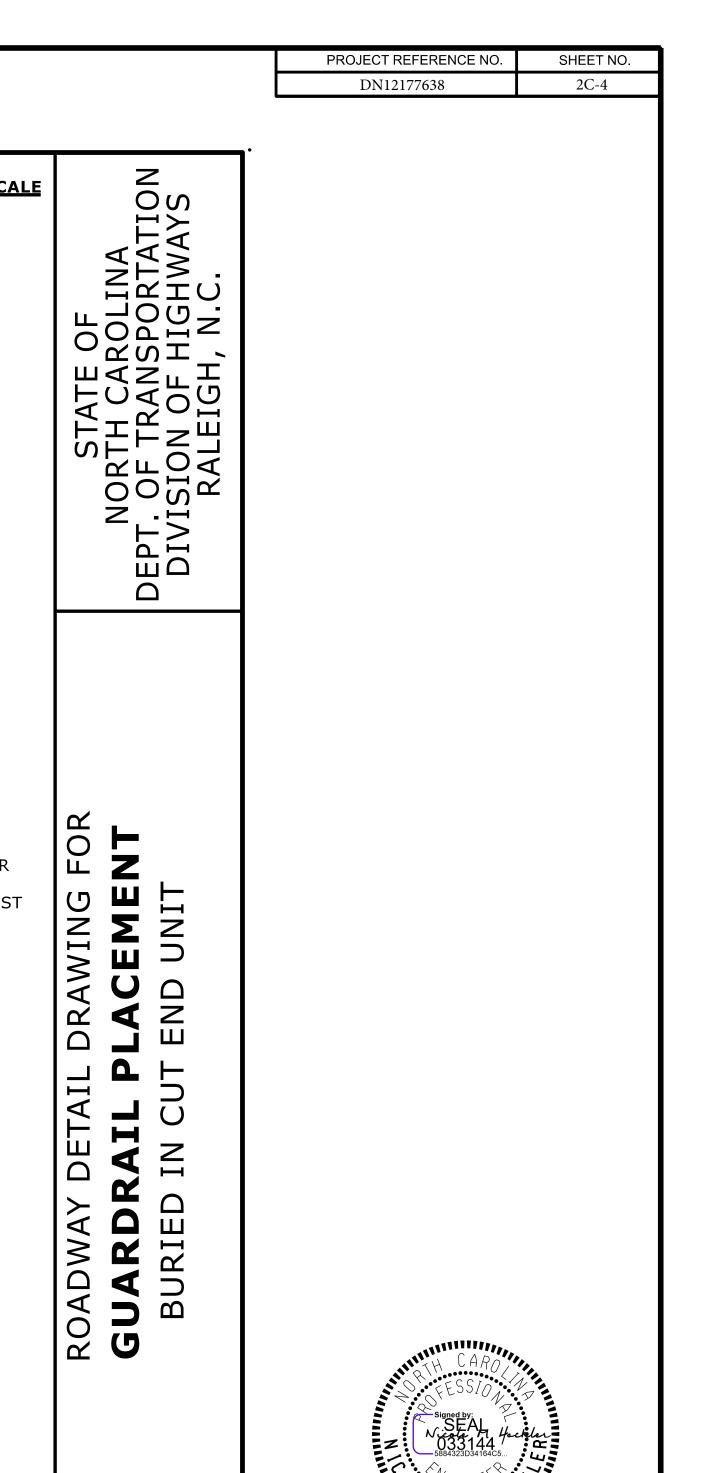
SHEET 6 OF 15 862D01

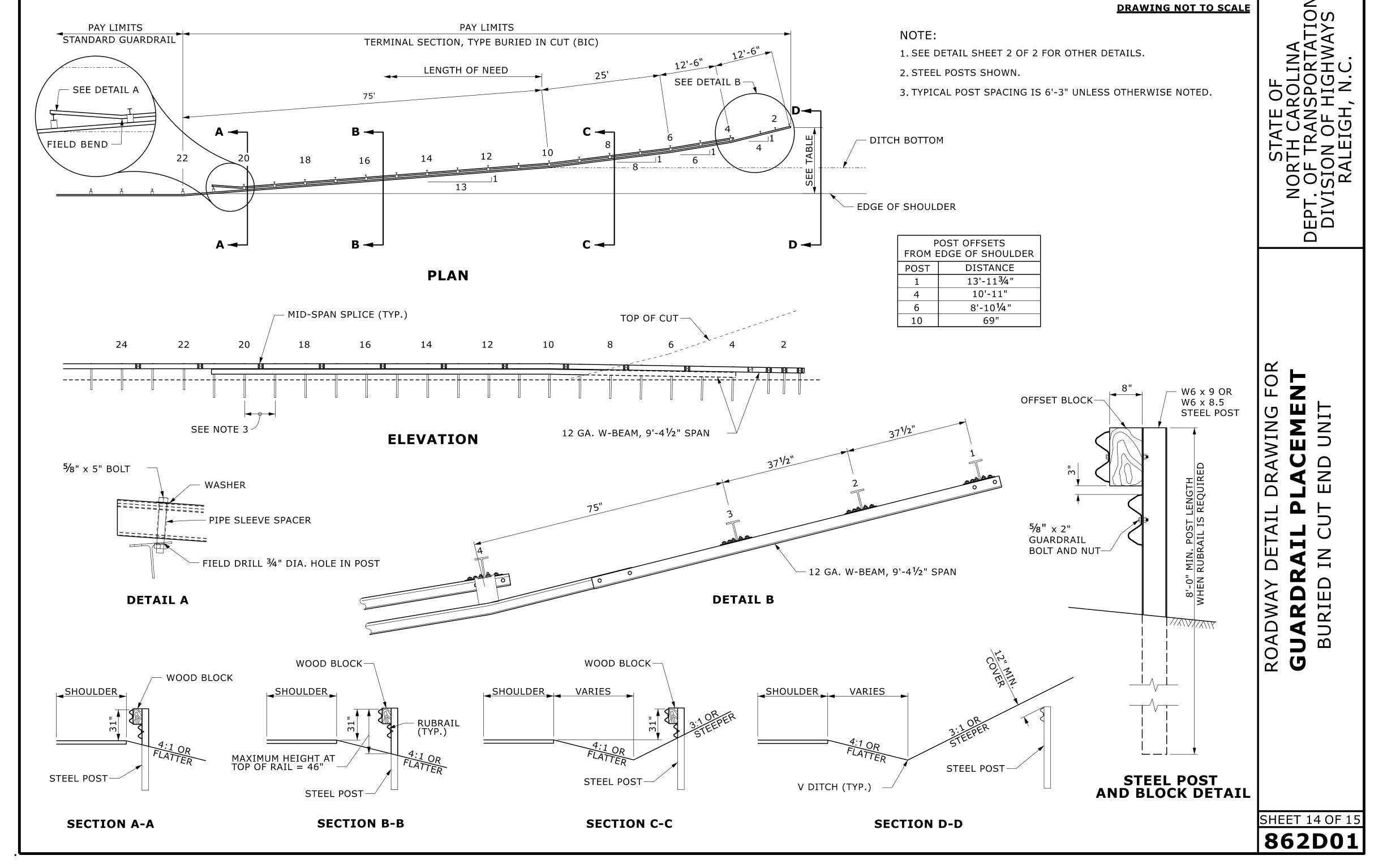
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FILE SPEC.:			

PROJECT REFERENCE NO. SHEET NO. DN12177638 2C-6

DRAWING DE GUARDRA ROADWAY

EXISTING 29" GURADRAIL MOUNTING HEIGHT

GROUND LEVEL

6'-3"

SHEET 5 OF 9

862D02

**ELEVATION VIEW** 

25'-0" GUARDRAIL MOUNTING HEIGHT TRANSITION

6'-3"

NOTE: IF EXISTING GUARDRAIL IS LOWER THAN 29", USE AN ADDITIONAL 12'-6" LONG SECTION OF GUARDRAIL,

6'-3"

FOR EVERY 1" OF HEIGHT DIFFERENCE, TO TRANSITION FROM EXISTING GUARDRAIL TO PROPOSED 31" GUARDRAIL.

TRANSITION FROM 29" TO 31" W-BEAM GUARDRAIL MOUNTING HEIGHT

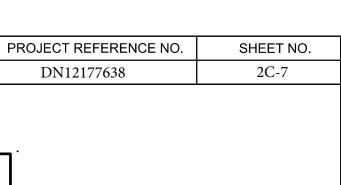
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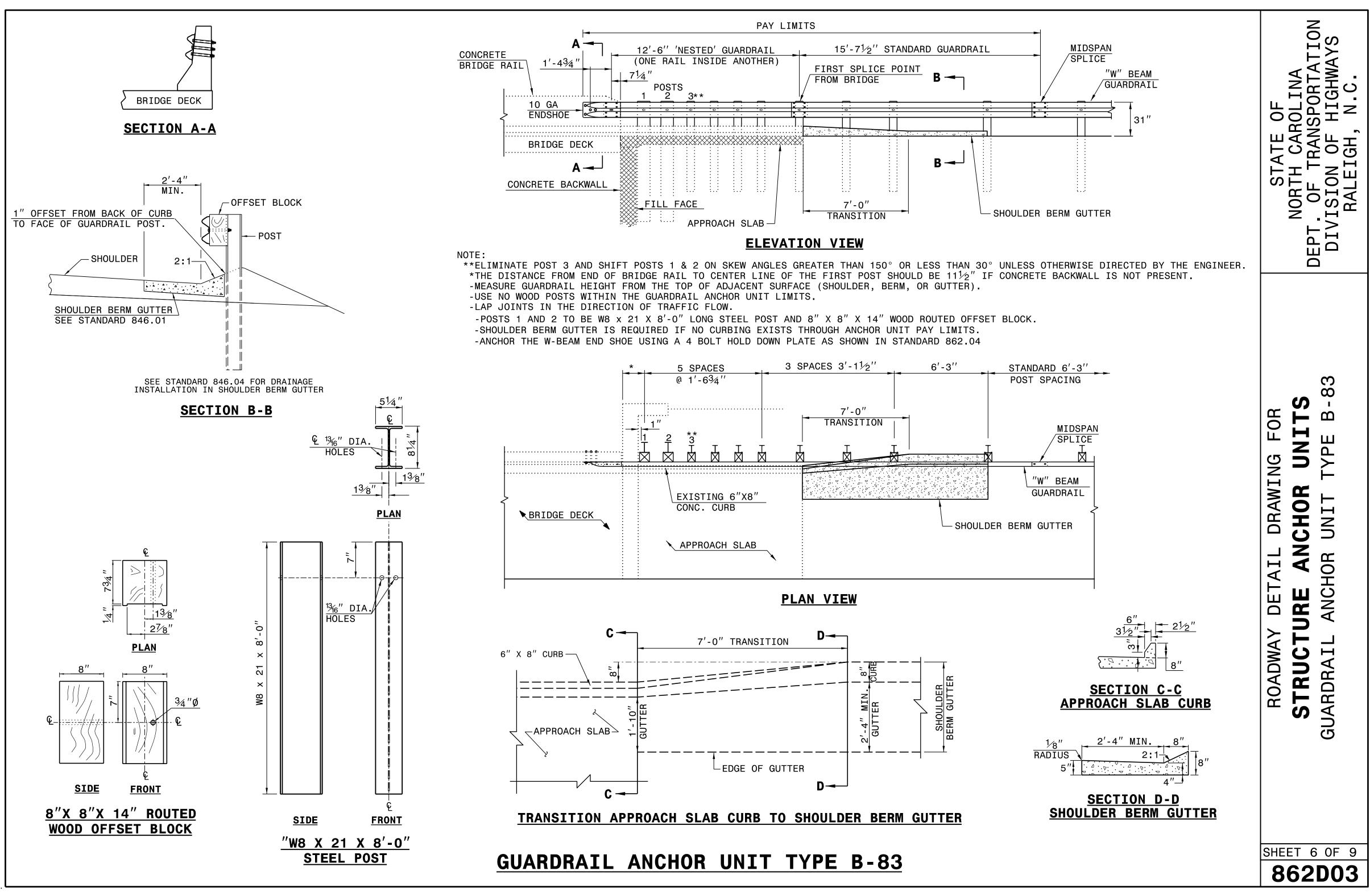
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CHECKED BY:
FILE SPEC.: \_\_ DATE: \_\_\_\_02-25 \_\_ DATE: \_\_\_ \_\_DATE: \_\_\_\_

W-BEAM MIDSPAN
PANEL SPLICE



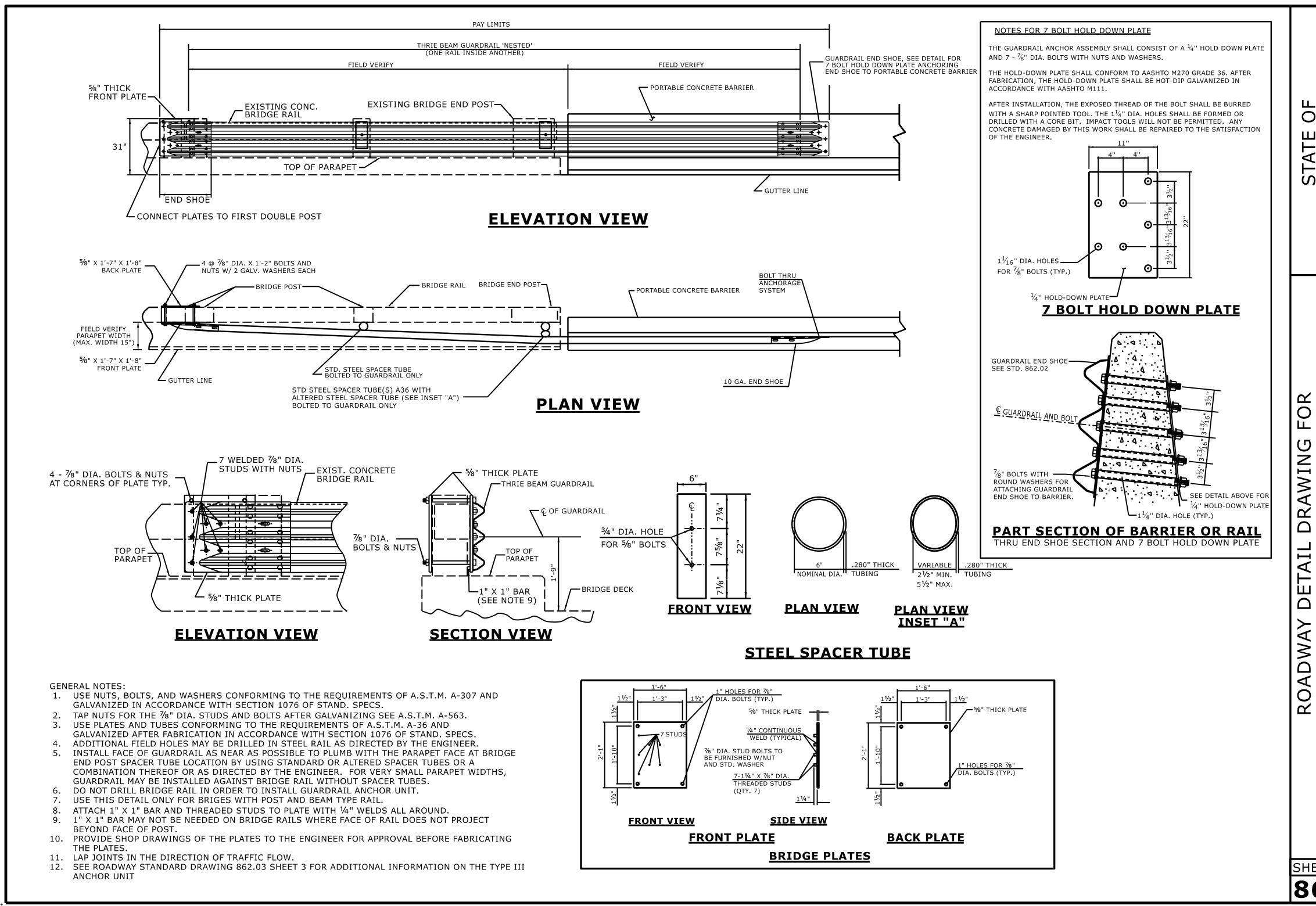


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ORIGINAL BY:	K. Aldridge	DATE:	06-02-2025
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CHECKED BY:		DATE:	
FILE SPEC.:			

PROJECT REFERENCE NO. SHEET NO.
DN12177638 2C-5



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

STRUCTURE ANCHOR UNIT TYPE THRIE-BEAM



SHEET 8 OF 9 862D03

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MODIFIED BY:		DATE:	
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FILE SDEC			