



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN

GOVERNOR

July 2, 2025

J.R. "JOEY" HOPKINS

SECRETARY

ADDENDUM # 1

Contract ID: DN12177668
TIP: N/A
Federal Aid: State Funded
WBS: GMR14.CHE.1P; GMR14.CHE.2P; GMR14.CLA.1P;
GMR14.CLA.2U; GMR14.GRA.1P; GMR14.GRA.2P;
GMR14.MAC.1P; GMR14.MAC.2P
County: Cherokee, Clay, Graham, And Macon
Description: ID/IQ Guardrail Along Various Routes Throughout Cherokee, Clay,
Graham, And Macon Counties

Letting Date: July 8, 2025

Plan Holders

Content Summary: Pay Item Changes, Quantity Changes, Adding Plan sheets to the Roadway Plans

The above contract has experienced the following revisions:


1. Adding plan sheets 2C-1 – 2C-7 to the DN12177668 STANDARD PLANS SHEETS – ROADWAY (see attached)
2. Pay Item Changes (see attached)
 - a. Remove line item 32 **3420000000-N GENERIC GUARDRAIL ITEM EXTRA LENGTH WEATHERING STEEL POST**
 - b. Remove line item 39 **3436000000-N GENERIC GUARDRAIL ITEM 7' STUDDER T-POST METAL**
 - c. **3435000000-N SP GENERIC GUARDRAIL ITEM EXTRA LENGTH WEATHERING STEEL POST (8')** has been added, 30 EA
 - d. **3435000000-N SP GENERIC GUARDRAIL ITEM EXTRA LENGTH WEATHERING STEEL POST (10')** has been added, 100 EA

- e. **3435000000-N SP GENERIC GUARDRAIL ITEM EXTRA LENGTH WEATHERING STEEL POST (12')** has been added, 5 EA
- f. **3579000000-N GENERIC FENCING ITEM 7' STUDDED T-POST METAL** has been added, 200 EA
- g. The quantity for **3001500000-N SP IMPACT ATTENUATOR, TYPE TL-2** has changed from 2000 to **2** EA
- h. The quantity for **3030000000-E 862 STEEL BEAM GUARDRAIL** has changed from 70 to **1000** LF
- i. The quantity for **3317000000-N 862 GUARDRAIL ANCHOR UNITS, TYPE B-77** has changed from 100 to **15** EA
- j. The quantity for **3317000000-N 862 GUARDRAIL ANCHOR UNITS, TYPE B-83** has changed from 450 to **45** EA
- k. The quantity for **3435000000-N SP GENERIC GUARDRAIL ITEM WEATHERING W-TR WEATHERING STEEL BM GUARDRAIL TRANSITION SECTIONS** has changed from 500 to **50** EA
- l. The quantity for **4609000000-N SP GENERIC TRAFFIC CONTROL ITEM TRAFFIC CONTROL - TWO LANE WORK ZONE TRAFFIC CONTROL** has changed from 100 to **50** DAY
- m. The quantity for **4609000000-N SP GENERIC TRAFFIC CONTROL ITEM TRAFFIC CONTROL – MULTI-LANE WORK ZONE TRAFFIC CONTROL** has changed from 100 to **50** DAY
- n. The quantity for **4609000000-N SP GENERIC TRAFFIC CONTROL ITEM TRAFFIC CONTROL – SHOULDER CLOSURE WORK ZONE TRAFFIC CONTROL** has changed from 100 to **50** DAY

Please insert this addendum letter and any attachments into the addendum section of the proposal and sign the verification. Thank you for your attention to this matter.

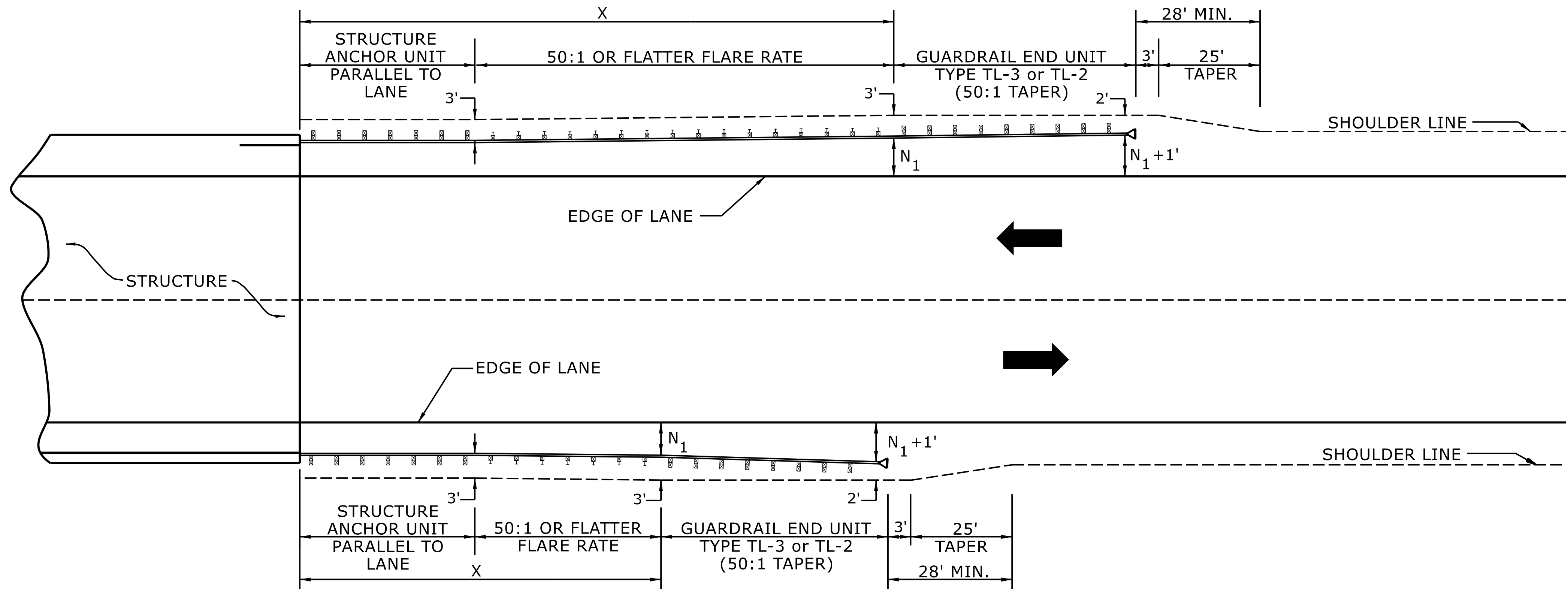
If you have any questions, please contact the Division Proposal Engineer at (828) 331-5200.

Sincerely,

DocuSigned by:


29BD93927CF24F6...
Jeanette L. White, P.E.

Division 14 Project Team Lead



USE FLARE RATE AS THE CONTROL IF THE " N_1 " DISTANCE IS NOT OBTAINED.
(" N_1 " IS BASED ON SHOULDER WIDTHS IN THE ROADWAY DESIGN MANUAL)

SEE STD. 862.03 FOR STRUCTURE ANCHOR UNITS

FOR POSTED SPEEDS \geq 45MPH USE GREU TYPE TL-3
FOR POSTED SPEEDS $<$ 45MPH USE GREU TYPE TL-2

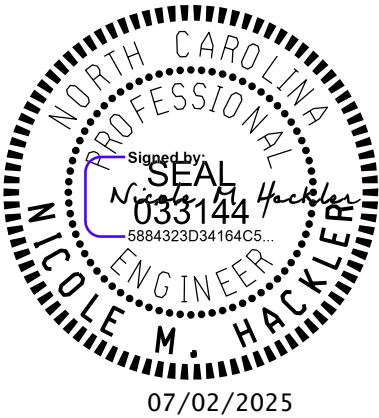
GUARDRAIL LENGTH OF NEED (X) IS CALCULATED BASED ON THE AASHTO ROADSIDE DESIGN GUIDE.

LENGTHS AND OFFSETS FOR PROPOSED GUARDRAIL AT TWO LANE - TWO WAY LOCATIONS

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ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT

SHEET 4 OF 15
862D01



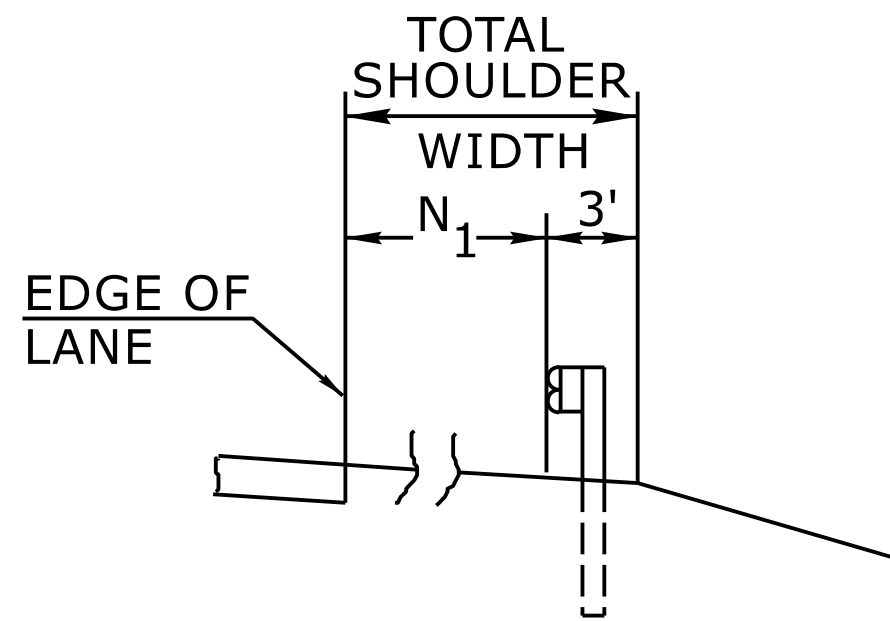
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**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

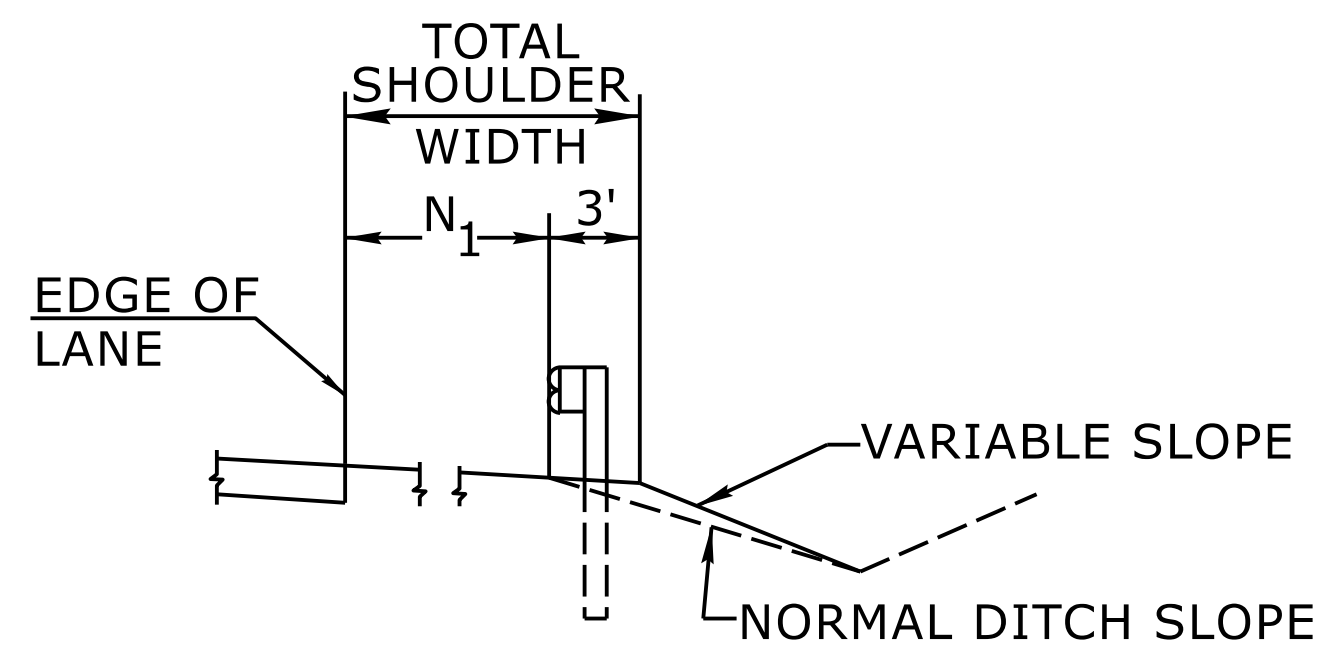
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SEE TITLE BLOCK

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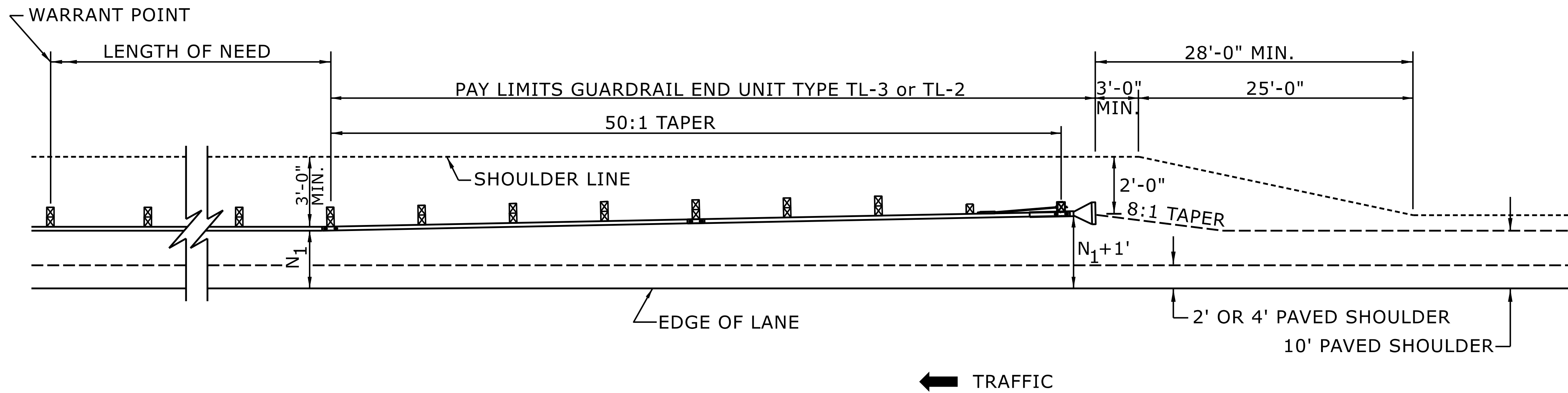


FILL SECTION



CUT SECTION

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

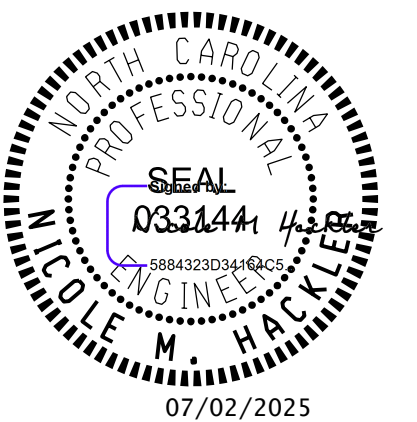


FOR POSTED SPEEDS \geq 45mph USE GREU TYPE TL-3
FOR POSTED SPEEDS $<$ 45mph USE GREU TYPE TL-2

DETAIL OF BEGINNING OF GUARDRAIL IN CUT OR FILL SECTION

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ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT



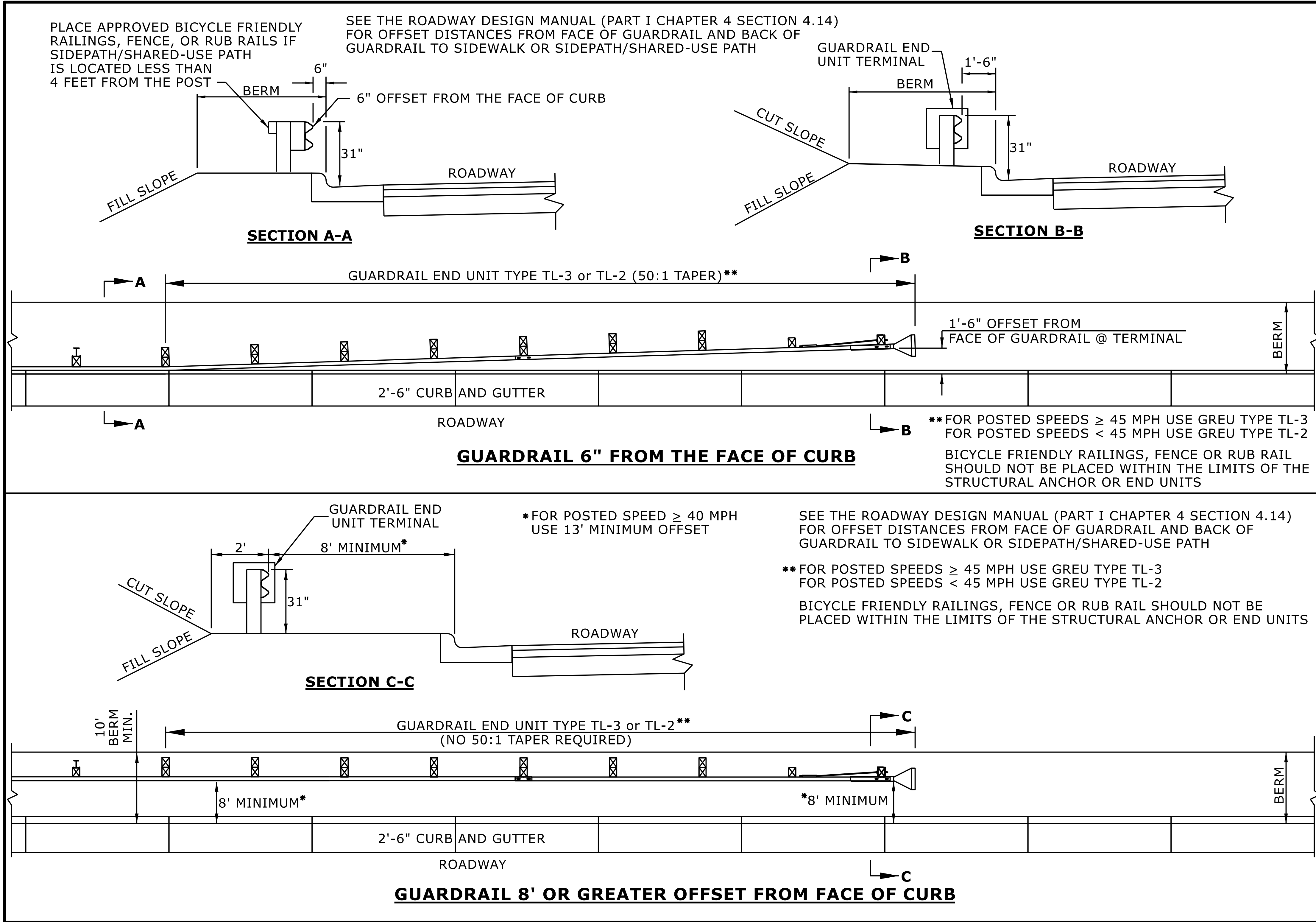
SHEET 6 OF 15
862D01

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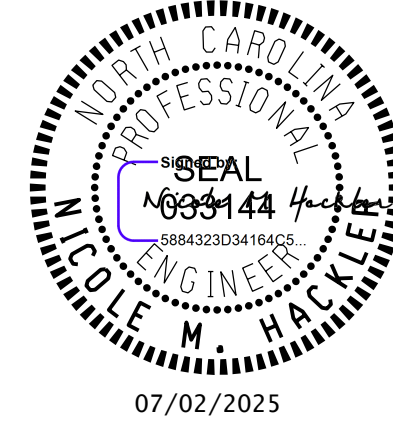
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ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT
GUARDRAIL TREATMENT AT CURB AND GUTTER

SHEET 12 OF 15
862D01



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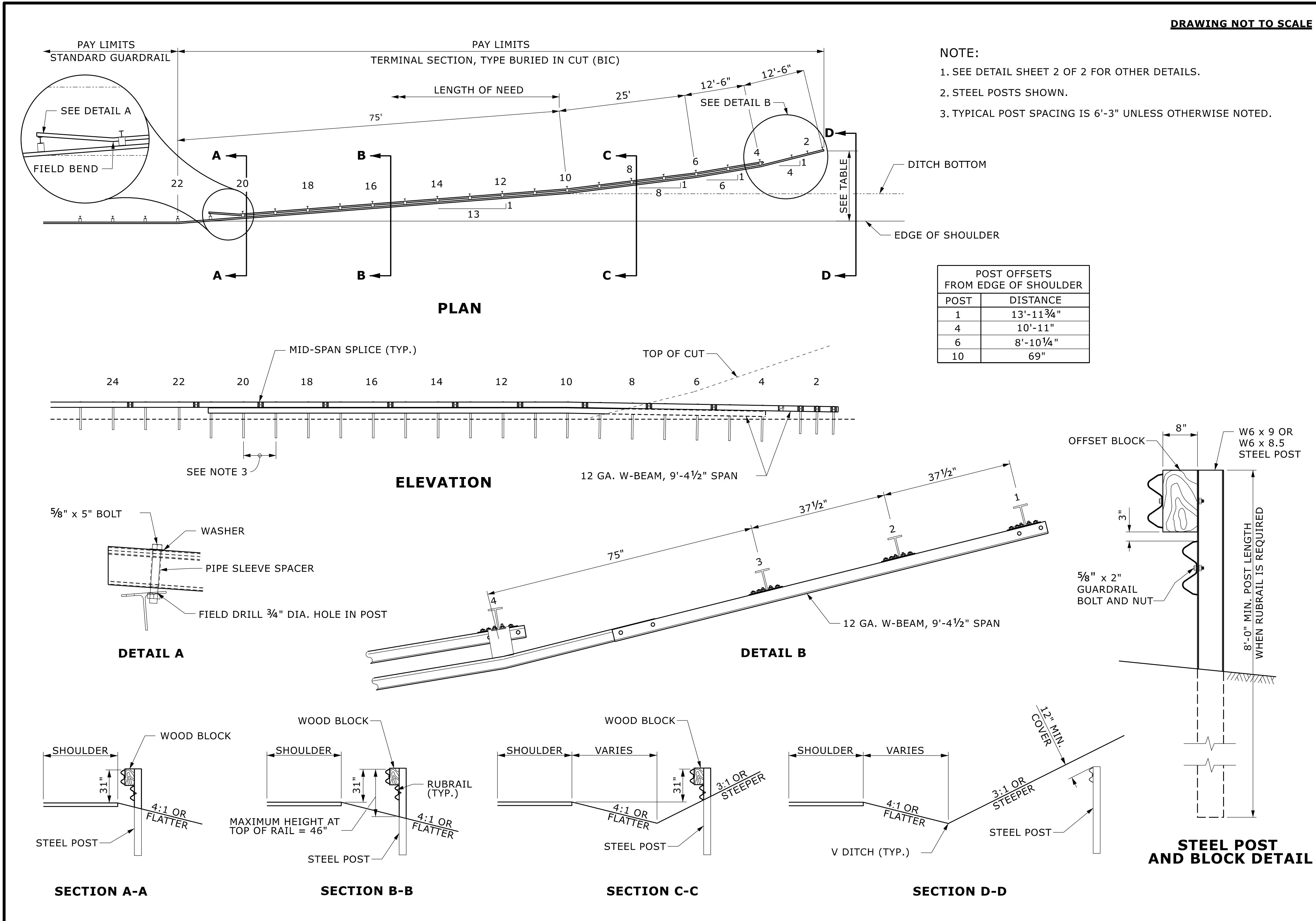
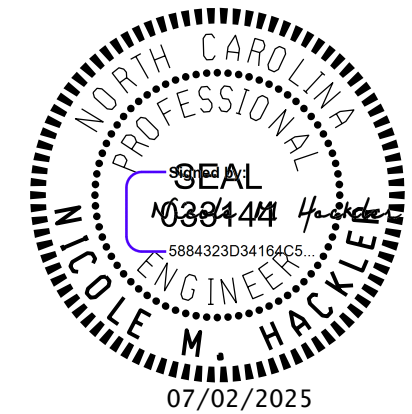
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ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT
BURIED IN CUT END UNIT

SHEET 14 OF 15
862D01



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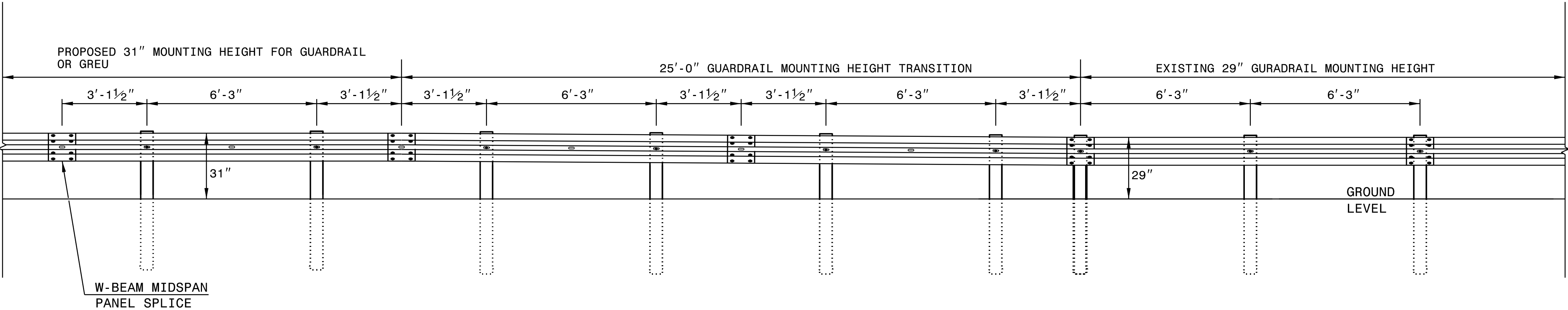
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ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

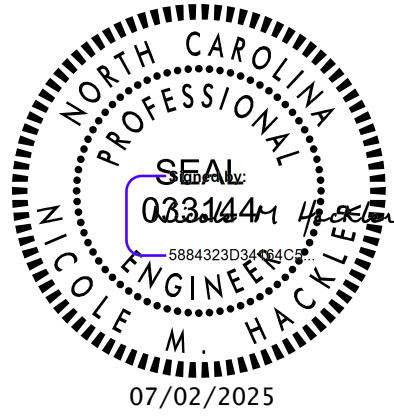
SHEET 5 OF 9
862D02

**NOTE: IF EXISTING GUARDRAIL IS LOWER THAN 29", USE AN ADDITIONAL 12'-6" LONG SECTION OF GUARDRAIL,
FOR EVERY 1" OF HEIGHT DIFFERENCE, TO TRANSITION FROM EXISTING GUARDRAIL TO PROPOSED 31" GUARDRAIL.**



ELEVATION VIEW

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

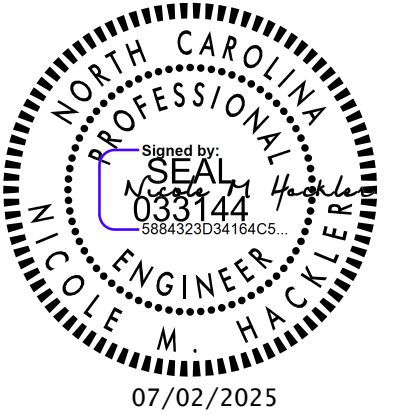
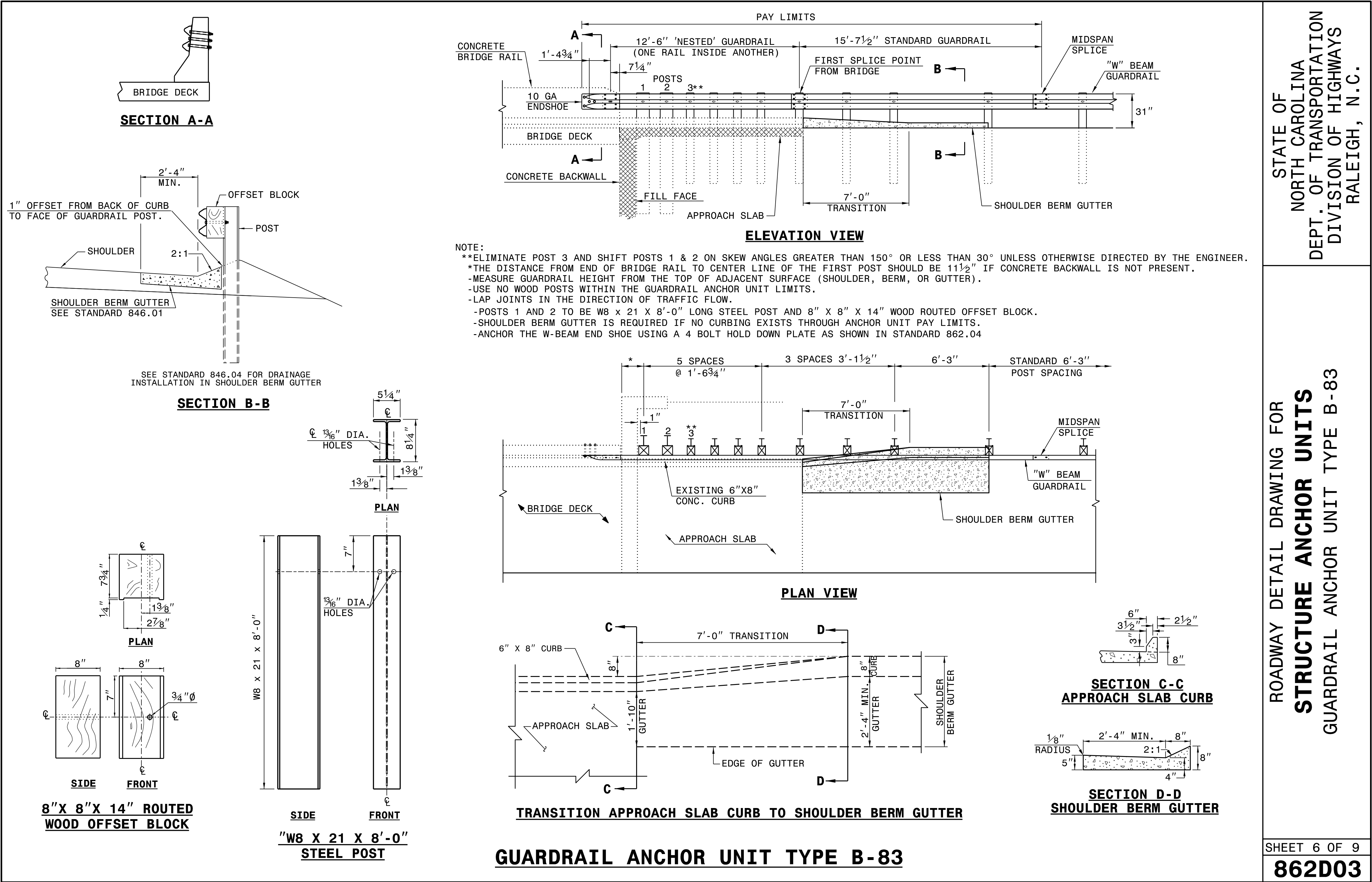


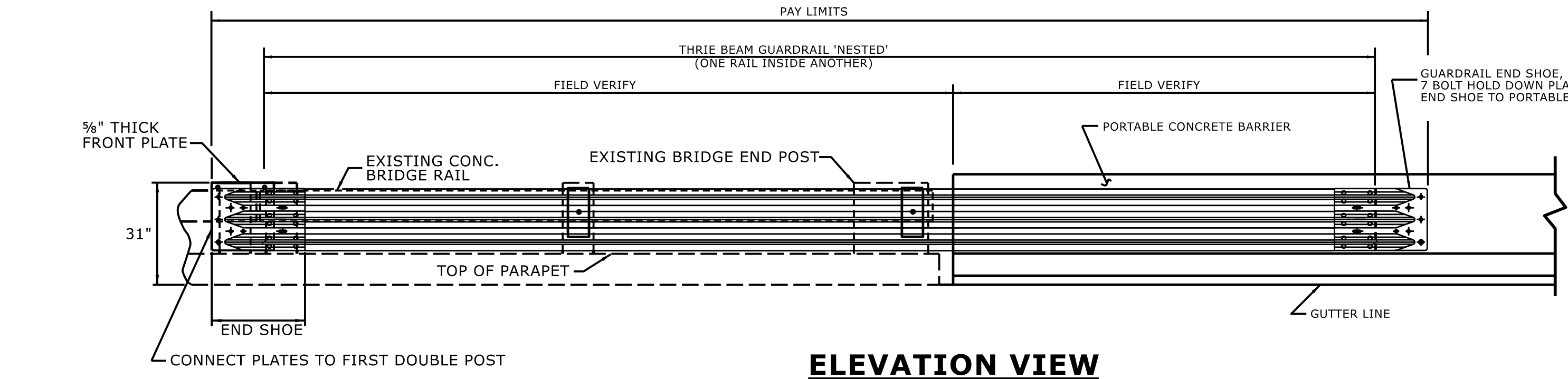
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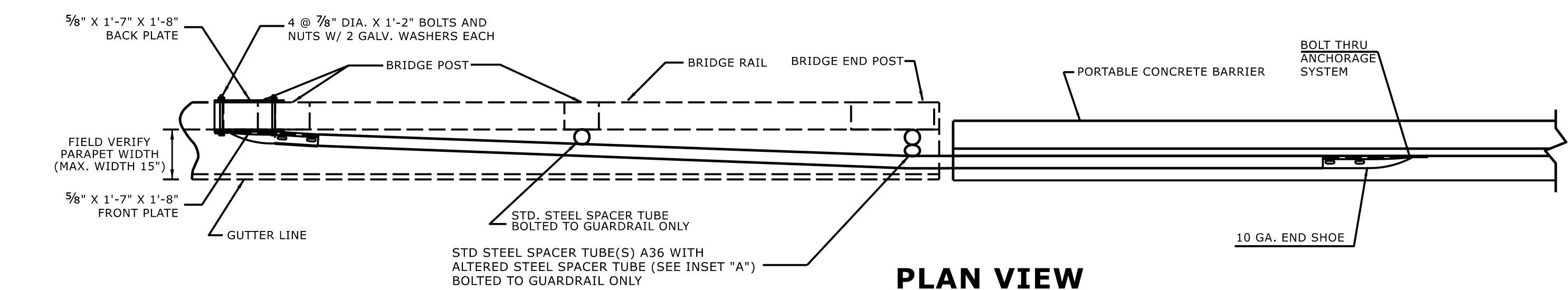
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MODIFIED BY:	DATE:
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FILE SPEC.:	

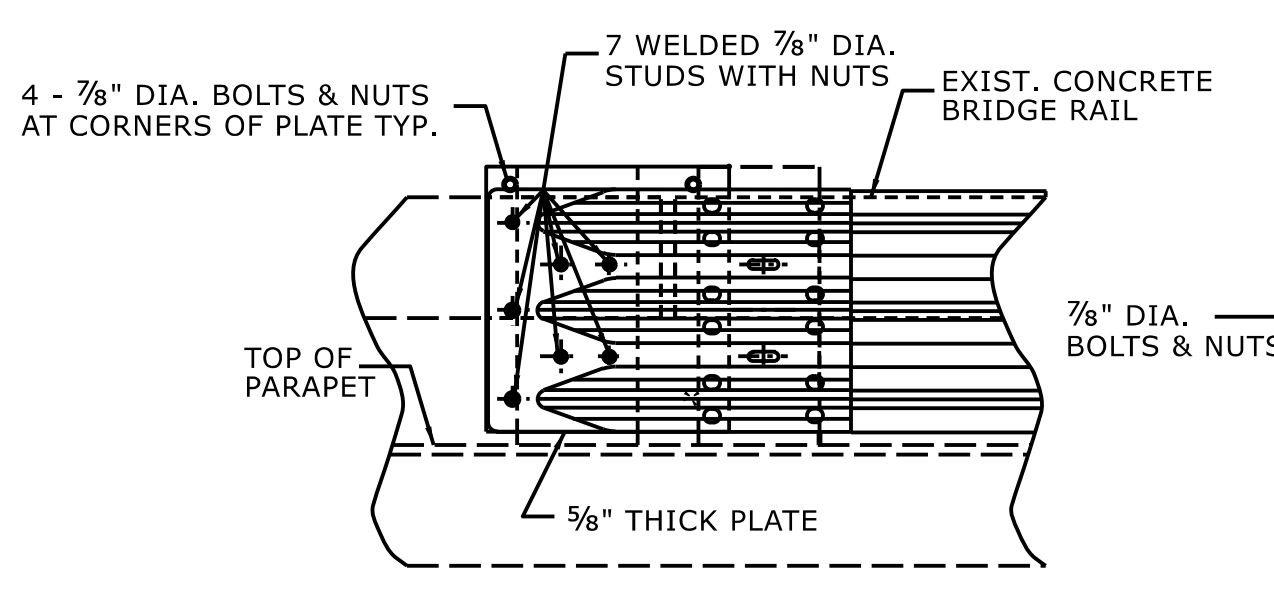




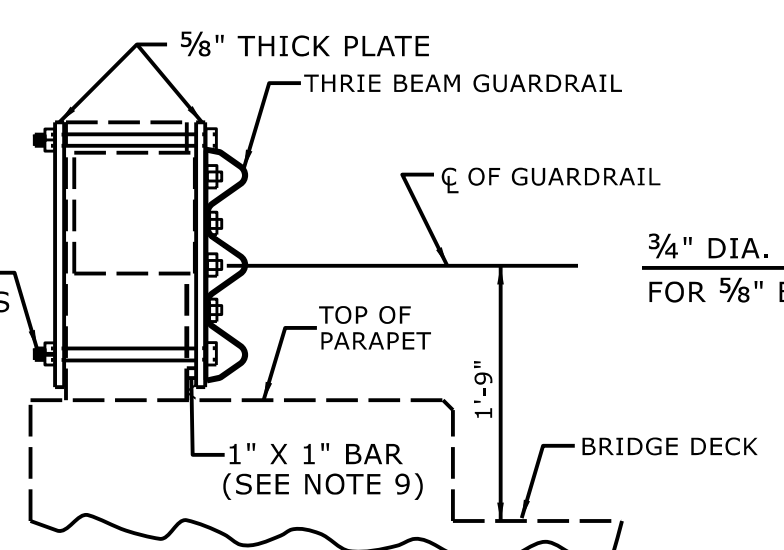
ELEVATION VIEW



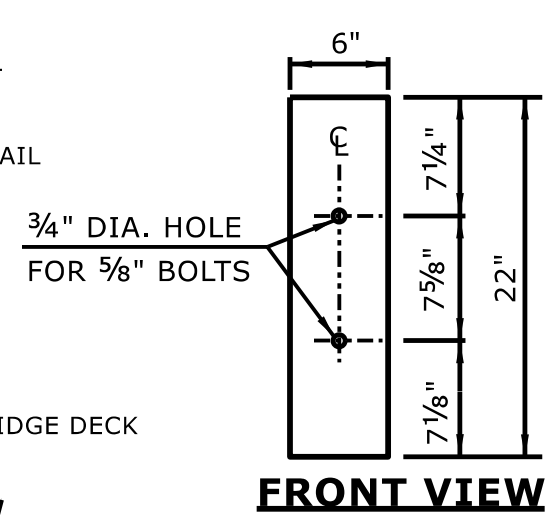
PLAN VIEW



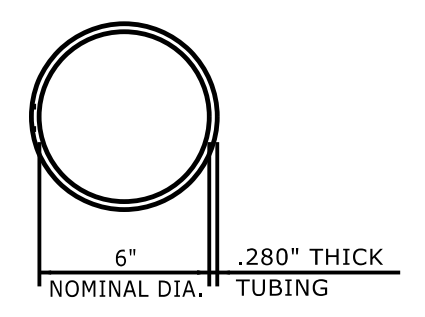
ELEVATION VIEW



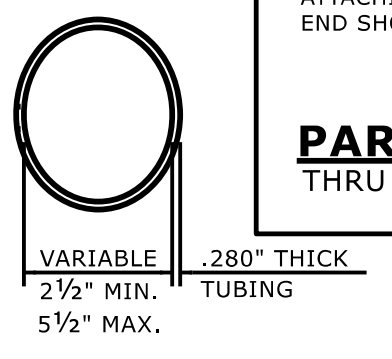
SECTION VIEW



FRONT VIEW

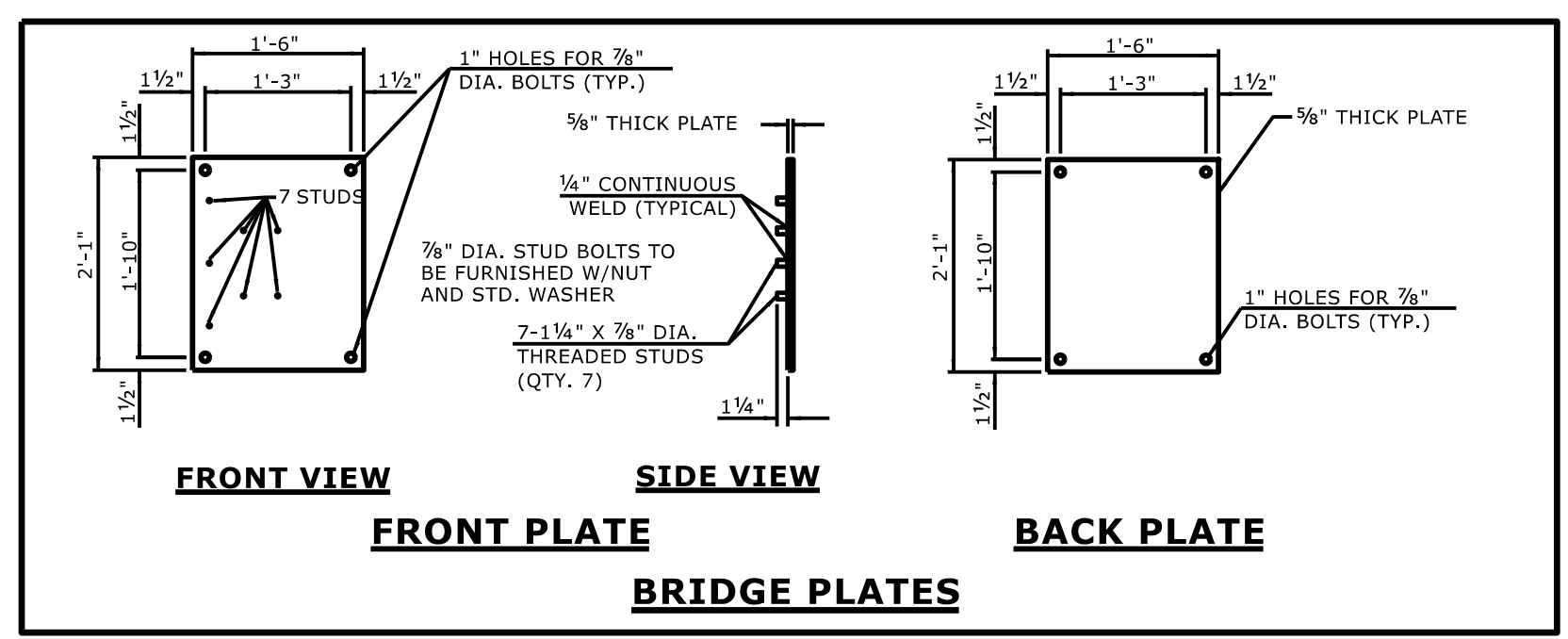


PLAN VIEW



**PLAN VIEW
INSET "A"**

STEEL SPACER TUBE



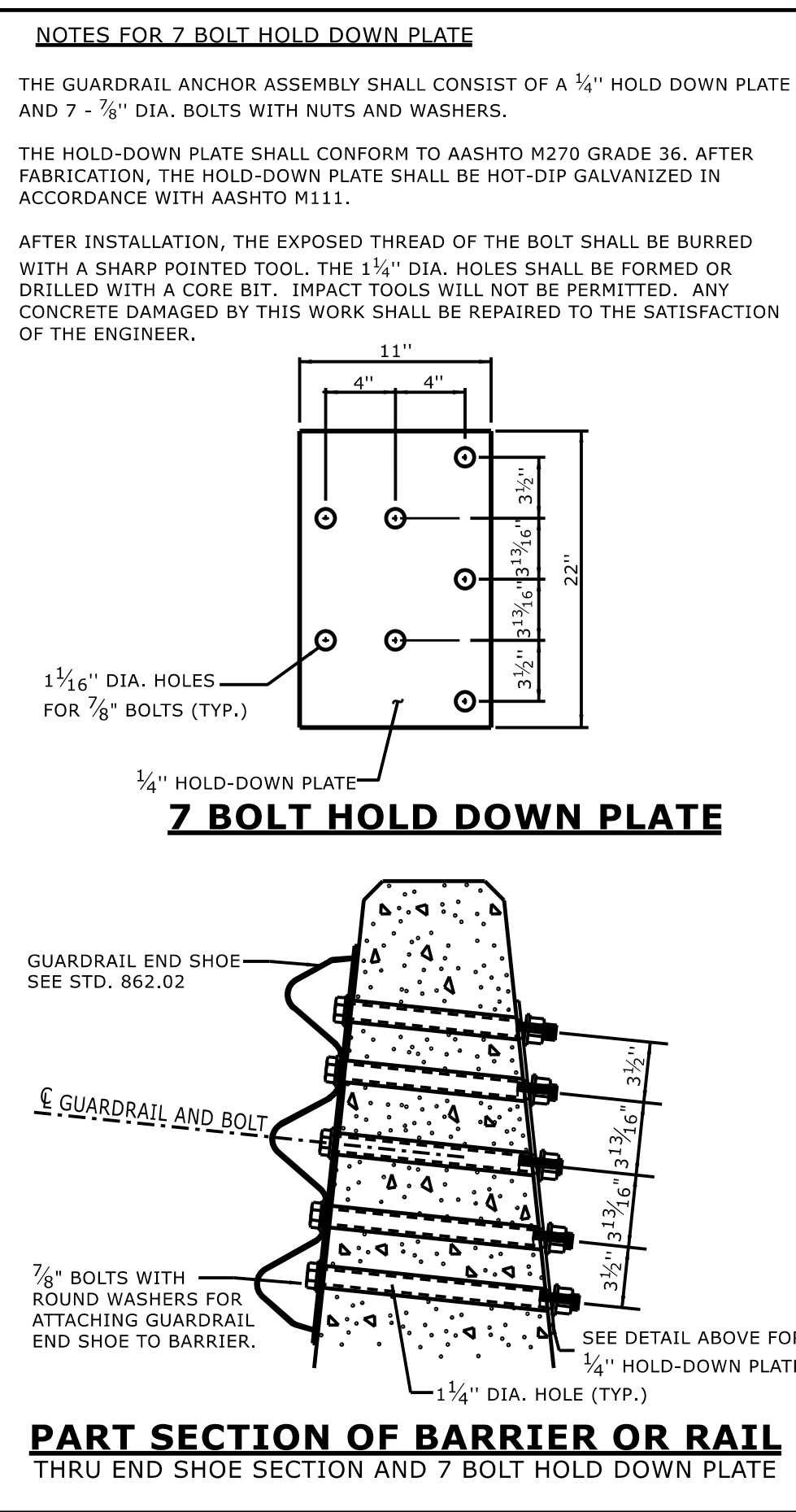
FRONT VIEW

SIDE VIEW

FRONT PLATE

BACK PLATE

BRIDGE PLATES



7 BOLT HOLD DOWN PLATE

PART SECTION OF BARRIER OR RAIL

- GENERAL NOTES:
1. USE NUTS, BOLTS, AND WASHERS CONFORMING TO THE REQUIREMENTS OF A.S.T.M. A-307 AND GALVANIZED IN ACCORDANCE WITH SECTION 1076 OF STAND. SPECS.
 2. TAP NUTS FOR THE 7/8" DIA. STUDS AND BOLTS AFTER GALVANIZING SEE A.S.T.M. A-563.
 3. USE PLATES AND TUBES CONFORMING TO THE REQUIREMENTS OF A.S.T.M. A-36 AND GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH SECTION 1076 OF STAND. SPECS.
 4. ADDITIONAL FIELD HOLES MAY BE DRILLED IN STEEL RAIL AS DIRECTED BY THE ENGINEER.
 5. INSTALL FACE OF GUARDRAIL AS NEAR AS POSSIBLE TO PLUMB WITH THE PARAPET FACE AT BRIDGE END POST SPACER TUBE LOCATION BY USING STANDARD OR ALTERED SPACER TUBES OR A COMBINATION THEREOF OR AS DIRECTED BY THE ENGINEER. FOR VERY SMALL PARAPET WIDTHS, GUARDRAIL MAY BE INSTALLED AGAINST BRIDGE RAIL WITHOUT SPACER TUBES.
 6. DO NOT DRILL BRIDGE RAIL IN ORDER TO INSTALL GUARDRAIL ANCHOR UNIT.
 7. USE THIS DETAIL ONLY FOR BRIGES WITH POST AND BEAM TYPE RAIL.
 8. ATTACH 1" X 1" BAR AND THREADED STUDS TO PLATE WITH 1/4" WELDS ALL AROUND.
 9. 1" X 1" BAR MAY NOT BE NEEDED ON BRIDGE RAILS WHERE FACE OF RAIL DOES NOT PROJECT BEYOND FACE OF POST.
 10. PROVIDE SHOP DRAWINGS OF THE PLATES TO THE ENGINEER FOR APPROVAL BEFORE FABRICATING THE PLATES.
 11. LAP JOINTS IN THE DIRECTION OF TRAFFIC FLOW.
 12. SEE ROADWAY STANDARD DRAWING 862.03 SHEET 3 FOR ADDITIONAL INFORMATION ON THE TYPE III ANCHOR UNIT

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ROADWAY DETAIL DRAWING FOR
STRUCTURE ANCHOR UNITS
TEMPORARY ANCHOR UNIT TYPE THRIE-BEAM

SHEET 8 OF 9
862D03



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AND DEVELOPMENT UNIT**
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ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: DATE:

ITEMIZED PROPOSAL FOR CONTRACT NO. DN12177668							
Line #	Item Number	Sec #	Description	Qty	Units	Unit Cost	Extended Amount
ROADWAY ITEMS							
0001	0000915000-N	SP	GENERIC MISCELLANEOUS ITEM EMERGENCY MOBILIZATION	3	EA	\$	\$
0002	3001000000-N	SP	IMPACT ATTENUATOR, TYPE TL-3	4	EA	\$	\$
0003	3001500000-N	SP	IMPACT ATTENUATOR, TYPE TL-2	2	EA	\$	\$
0004	3030000000-E	862	STEEL BEAM GUARDRAIL	1000	LF	\$	\$
0005	3075000000-E	862	TRIPLE CORRUGATED STEEL BEAM GUARDRAIL	50	LF	\$	\$
0006	3090000000-N	862	TRIPLE CORRUGATED STEEL BEAM GUARDRAIL TERMINAL SECTIONS	50	EA	\$	\$
0007	3105000000-N	862	STEEL BEAM GUARDRAIL TERMINAL SECTIONS	10	EA	\$	\$
0008	3120000000-E	862	20" TUBULAR TRIPLE CORRUGATED STEEL BEAM GUARDRAIL	3	LF	\$	\$
0009	3135000000-N	862	W-TR STEEL BEAM GUARDRAIL TRANSITION SECTIONS	30	EA	\$	\$
0010	3140000000-E	862	25' CLEAR SPAN GUARDRAIL SECTIONS	30	EA	\$	\$
0011	3145000000-E	862	EXTRA LENGTH GUARDRAIL POSTS (8' STEEL)	30	EA	\$	\$
0012	3145000000-E	862	EXTRA LENGTH GUARDRAIL POSTS (10' STEEL)	100	EA	\$	\$
0013	3145000000-E	862	EXTRA LENGTH GUARDRAIL POSTS (12' STEEL)	5	EA	\$	\$
0014	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	2	EA	\$	\$
0015	3165500000-N	862	GUARDRAIL END UNITS, TYPE***** (BURIED IN CUT)	2	EA	\$	\$
0016	3195000000-N	862	GUARDRAIL END UNITS, TYPE AT-1	3	EA	\$	\$
0017	3210000000-N	862	GUARDRAIL END UNITS, TYPE CAT-1	5	EA	\$	\$
0018	3215000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE III	3	EA	\$	\$
0019	3287000000-N	862	GUARDRAIL END UNITS, TYPE TL-3	3	EA	\$	\$
0020	3288000000-N	862	GUARDRAIL END UNITS, TYPE TL-2	5	EA	\$	\$
0021	3289000000-N	862	GUARDRAIL END UNITS, TYPE MEDIAN TL-3	5	EA	\$	\$
0022	3317000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE B- 77	15	EA	\$	\$
0023	3319000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE B- 83	45	EA	\$	\$
0024	3345000000-E	864	REMOVE & RESET EXISTING GUARDRAIL	2000	LF	\$	\$
0025	3360000000-E	863	REMOVE EXISTING GUARDRAIL	200	LF	\$	\$
0026	3375000000-E	SP	REMOVE & STOCKPILE EXISTING GUARDRAIL	2500	LF	\$	\$
0027	3420000000-E	SP	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED STEEL BEAM GUARDRAIL	350	LF	\$	\$
0028	3420000000-E	SP	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED STEEL BEAM GUARDRAIL, SHOP CURVED	200	LF	\$	\$

0029	3420000000-E	SP	GENERIC GUARDRAIL ITEM WEATHERING STEEL BEAM GUARDRAIL	400	LF	\$	\$
0030	3420000000-E	SP	GENERIC GUARDRAIL ITEM WEATHERING STEEL BEAM GUARDRAIL, SHOP CURVED	50	LF	\$	\$
0031	3420000000-E	SP	GENERIC GUARDRAIL ITEM WEATHERING STEEL BEAM GUARDRAIL, THRIE BEAM	1000	LF	\$	\$
0032	3420000000-N	SP	GENERIC GUARDRAIL ITEM EXTRA LENGTH WEATHERING STEEL POST (8')	30	EA	\$	\$
0033	3420000000-N	SP	GENERIC GUARDRAIL ITEM EXTRA LENGTH WEATHERING STEEL POST (10')	100	EA	\$	\$
0034	3420000000-N	SP	GENERIC GUARDRAIL ITEM EXTRA LENGTH WEATHERING STEEL POST (12')	5	EA	\$	\$
0035	3421000000-E	862	GENERIC GUARDRAIL ITEM STEEL BEAM GUARDRAIL, 2' - 1" HEIGHT TR	300	LF	\$	\$
0036	3435000000-N	SP	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED GUARDRAIL ANCHOR UNITS, TYPE CAT-1	5	EA	\$	\$
0037	3435000000-N	SP	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED GUARDRAIL TERMINAL SECTION	2	EA	\$	\$
0038	3435000000-N	SP	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED ADDITIONAL GUARDRAIL POSTS	200	EA	\$	\$
0039	3435000000-N	SP	GENERIC GUARDRAIL ITEM ADDITIONAL WEATHERING STEEL POST	35	EA	\$	\$
0040	3435000000-N	SP	GENERIC GUARDRAIL ITEM WEATHERING W-TR WEATHERING STEEL BM GUARDRAIL TRANSITION SECTIONS	50	EA	\$	\$
0041	3436000000-N	SP	GENERIC GUARDRAIL ITEM MOTORCYCLE BARRIER DR-46 (LABOR ONLY)	1000	LF	\$	\$
0042	3436000000-N	862	GENERIC GUARDRIAL ITEM ADDITIONAL GUARDRAIL WOOD POST	500	EA	\$	\$
0043	3436000000-N	862	STRUCTURE ANCHORED UNITS	50	EA	\$	\$
0044	3503000000-E	866	WOVEN WIRE FENCE, 47" FABRIC	20	LF	\$	\$
0045	3509000000-E	866	4" TIMBER FENCE POSTS, 7'- 6" LONG	20	EA	\$	\$
0046	3515000000-E	866	5" TIMBER FENCE POSTS, 8'- 0" LONG	5	EA	\$	\$
0047	3533000000-E	866	CHAIN LINK FENCE, *** FABRIC (60")	2	LF	\$	\$
0048	3557000000-E	866	ADDITIONAL BARBED WIRE	15	LF	\$	\$
0049	3575000000-N	SP	GENERIC FENCING ITEM HANDRAIL ON RETAINING WALL	5	LF	\$	\$
0050	3579000000-N	866	GENERIC FENCING ITEM 7' STUDDERED T-POST METAL	200	EA	\$	\$

0051	4609000000-N	SP	GENERIC TRAFFIC CONTROL ITEM- TWO LANE WORK ZONE TRAFFIC CONTROL	50	DAY	\$	\$
0052	4609000000-N	SP	GENERIC TRAFFIC CONTROL ITEM- MULTI-LANE WORK ZONE TRAFFIC CONTROL	50	DAY	\$	\$
0053	4609000000-N	SP	GENERIC TRAFFIC CONTROL ITEM- SHOULDER CLOSURE WORK ZONE TRAFFIC CONTROL	50	DAY	\$	\$
0054	8482000000-E	460	THREE BAR METAL RAIL	50	LF	\$	\$
Total Amount Of Bid For Entire Project:							\$

ITEMIZED PROPOSAL FOR CONTRACT NO. DN12177668

Contractor: _____

Address: _____

Phone: _____ Federal ID: _____

Contractor License Number (If Available): _____

Authorized Agent: _____ Title: _____

Signature: _____ Date: _____