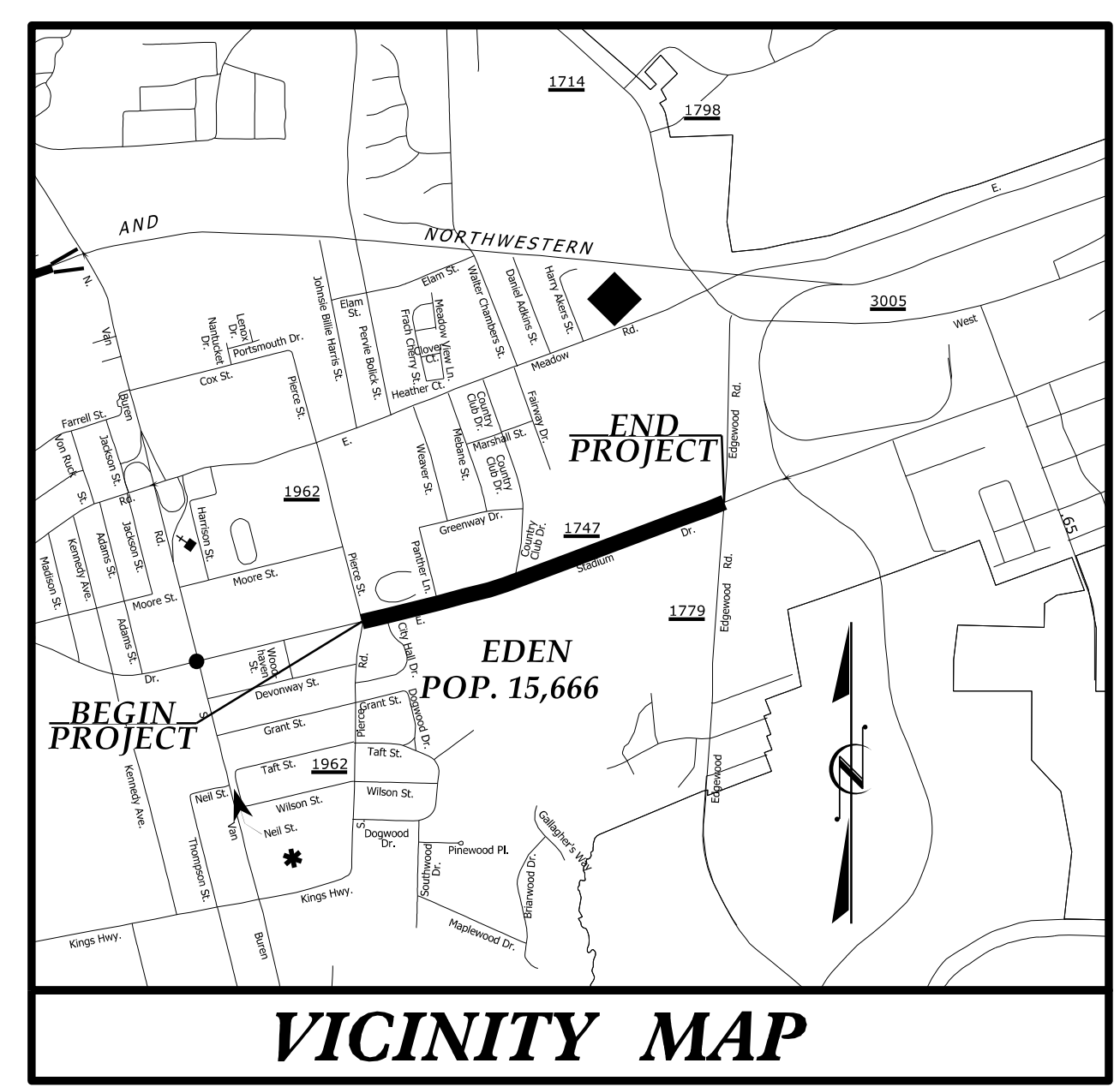


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TIP PROJECT: EB-5888



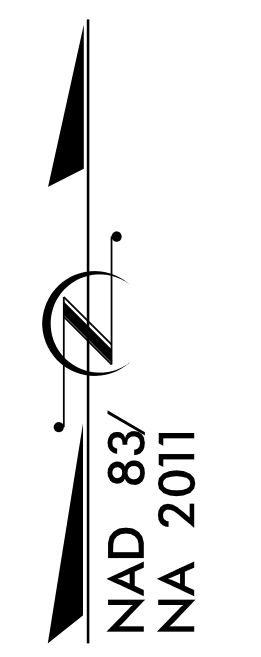
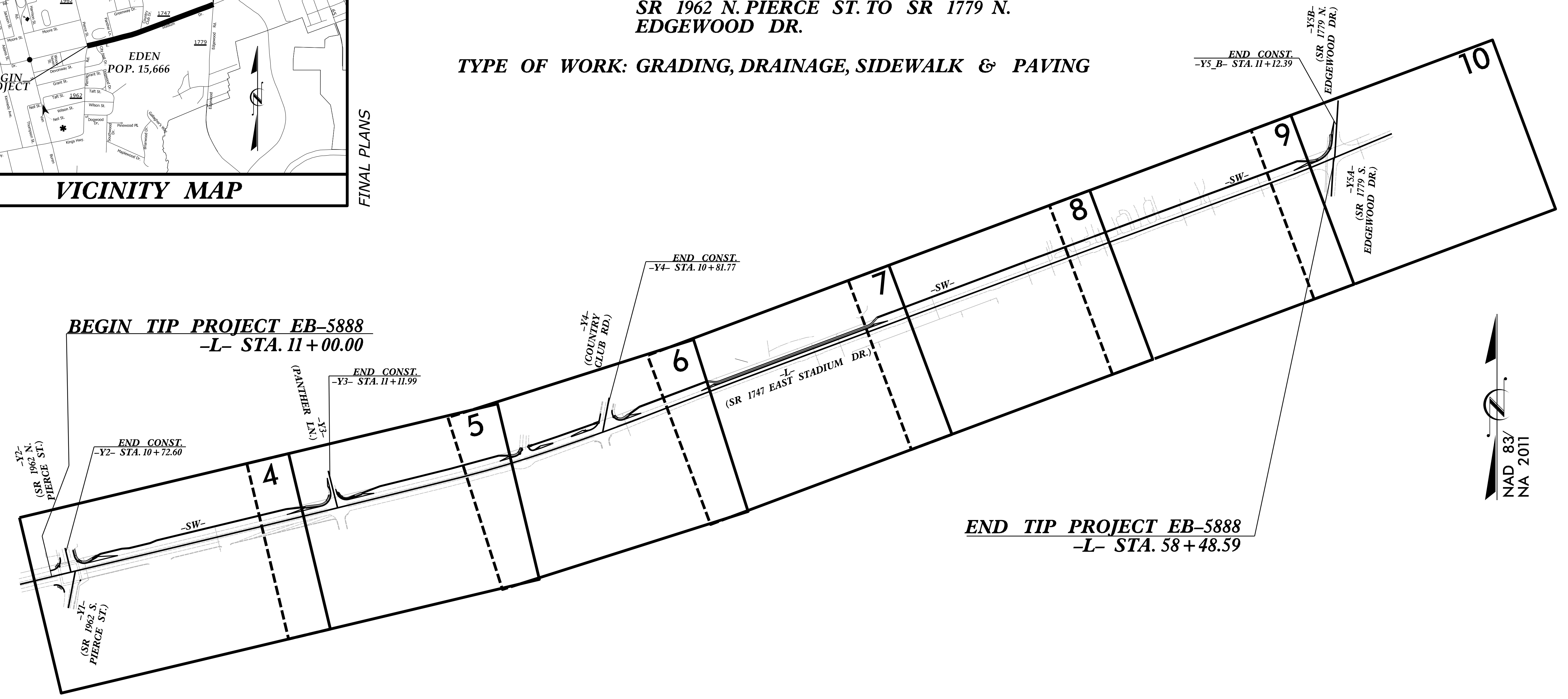
CITY OF EDEN ROCKINGHAM COUNTY



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	EB-5888	1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
47284.1.1	TAP-1747(002)	PE	
47284.2.1	TAP-1747(002)	ROW	
47284.2.1	TAP-1747(002)	UTILITY	
47284.3.1	TAP-1747(002)	CONST.	

**LOCATION: SR 1747 EAST STADIUM DRIVE FROM
SR 1962 N. PIERCE ST. TO SR 1779 N.
EDGEWOOD DR.**

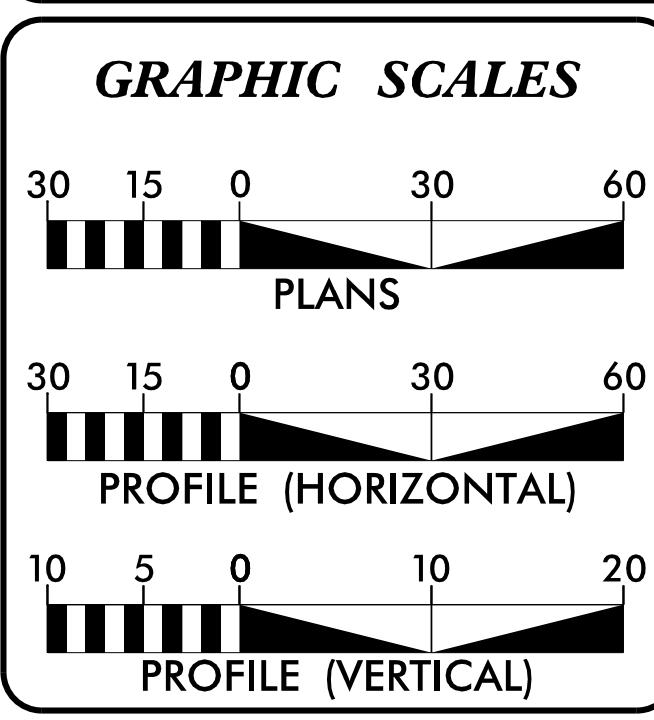
TYPE OF WORK: GRADING, DRAINAGE, SIDEWALK & PAVING



CONTRACT:

THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF EDEN.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA
FUNC. CLASS = LOCAL

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT EB-5888 = 0.899 MILES
TOTAL LENGTH TIP PROJECT EB-5888 = 0.899 MILES

CITY OF EDEN CONTACT:
MICHELLE SLATON
DIRECTOR OF PLANNING AND COMMUNITY DEVELOPMENT
308 EAST STADIUM DRIVE
EDEN, NC 27288
TEL: (336)-623-2110

Prepared in the Office of:
WETHERILL ENGINEERING
1223 Jones Franklin Rd. Raleigh, N.C. 27606
License No. F-0377
Bus: 919.851.8077 Fax: 919.851.8107

2024 STANDARD SPECIFICATIONS
RIGHT OF WAY DATE:

LETTING DATE:

NCDOT CONTACT:

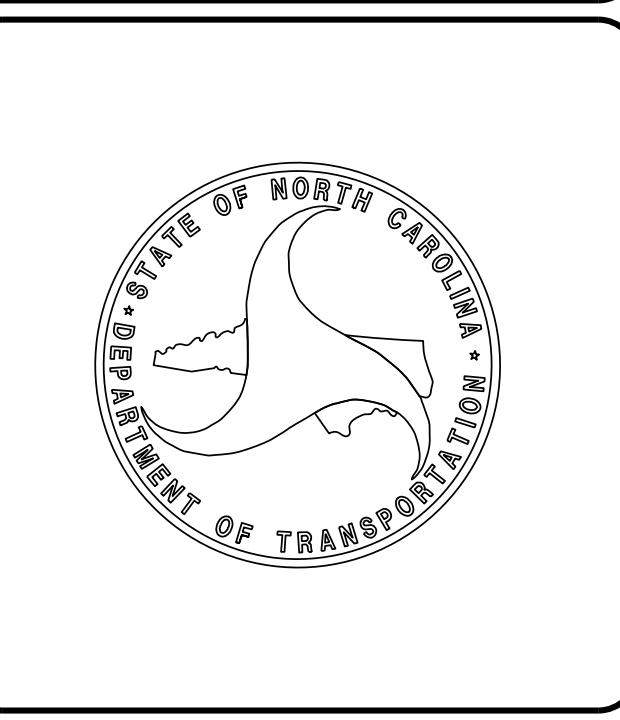
Prepared for:
CITY OF EDEN
308 East Stadium Drive
Eden NC, 27288

GREG PURVIS, PE
PROJECT ENGINEER

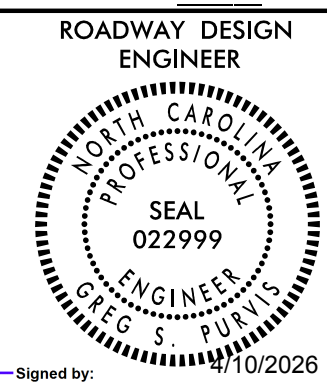
ALEXANDER STANKOVIC
DIVISION PROJECT MANAGER

HYDRAULICS ENGINEER
SEAL 31977
4/8/2026
SIGNED BY: *[Signature]* P.E.

ROADWAY DESIGN ENGINEER
SEAL 022999
4/8/2026
SIGNED BY: *[Signature]* P.E.



5/14/24

PROJECT REFERENCE NO. <i>EB-5888</i>	SHEET NO. <i>1A</i>
RW SHEET NO.	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

GENERAL NOTES

2024 ROADWAY ENGLISH STANDARD DRAWINGS

GENERAL NOTES: 2024 SPECIFICATIONS
EFFECTIVE: 01-16-2024
REVISED:

EFF. 01-16-2024
REV.

GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01

STREET TURNOUT:

STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADII NOTED ON PLANS.

GUARDRAIL:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE DUKE ENERGY (POWER), CENTURYLINK (COM.), CHARTER (COM.), CITY OF EDEN (WATER & SEWER) & DUKE ENERGY (GAS). ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.

CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.06.

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 2 - EARTHWORK	
200.03	Method of Clearing - Method III
225.02	Guide for Grading Subgrade - Secondary and Local
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I
DIVISION 8 - INCIDENTALS	
838.01	Concrete Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew
838.11	Brick Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew
840.00	Concrete Base Pad for Drainage Structures
840.01	Brick Catch Basin - 12" thru 54" Pipe
840.02	Concrete Catch Basin - 12" thru 54" Pipe
840.03	Frame, Grates and Hood - for Use on Standard Catch Basin
840.17	Concrete Grated Drop Inlet Type 'A' - 12" thru 72" Pipe
840.18	Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.19	Concrete Grated Drop Inlet Type 'D' - 12" thru 36" Pipe
840.24	Frames and Narrow Slot Sag Grates
840.26	Brick Grated Drop Inlet Type 'A' - 12" thru 72" Pipe
840.27	Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.28	Brick Grated Drop Inlet Type 'D' - 12" thru 36" Pipe
840.31	Concrete Junction Box - 12" thru 66" Pipe
840.32	Brick Junction Box - 12" thru 66" Pipe
840.45	Precast Drainage Structure
840.54	Manhole Frame and Cover
840.66	Drainage Structure Steps
840.72	Pipe Collar
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk (Use Detail in Lieu of Standard for Sheet 1 of 1)
848.04	Street Turnout
848.06	Curb Ramp (Use Details in Lieu of Standards for Sheets 9 and 10 of 13)
862.01	Guardrail Placement (Use Details in Lieu of Standards for Sheets 4, 6, 12, and 14 of 15)
876.01	Rip Rap in Channels and Ditches

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
1C-1 THRU 1C-2	SURVEY CONTROL SHEETS
2A-1 THRU 2A-3	TYPICAL SECTIONS, PAVEMENT SCHEDULE, & MISCELLANEOUS DETAILS
2C-1	CONCRETE FLUME DETAIL
2C-2 THRU 2C-3	PIPE INSTALLATION DETAILS
2C-4 THRU 2C-5	CURB RAMP DETAILS
2C-6 THRU 2C-9	GUARDRAIL INSTALLATION DETAILS
2C-10	CONCRETE SIDEWALK DETAIL
2C-11	CONVERT CB TO JB DETAIL
2C-12 THRU 2C-13	GUARDRAIL INSTALLATION DETAILS
2D-1	DRAINAGE DETAILS
3B-1	EARTHWORK SUMMARY, PAVEMENT REMOVAL SUMMARY AND GUARDRAIL SUMMARY
3D-1 THRU 3D-2	DRAINAGE SUMMARIES
3P-1	PARCEL INDEX SHEET
4 THRU 10	PLAN AND PROFILE SHEET
TMP-1 THRU TMP-2	TRANSPORTATION MANAGEMENT PLAN
PMP-1 THRU PMP-2	PAVEMENT MARKING PLAN
EC-1 THRU EC-17	EROSION CONTROL PLANS
UC-1 THRU UC-11	UTILITIES CONSTRUCTION PLANS
UO-1 THRU UO-8	UTILITIES BY OTHERS PLANS
X-1	CROSS SECTION INDEX OF SHEETS
X-1A	CROSS SECTION SUMMARY SHEET
X-2 THRU X-26	CROSS SECTIONS

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STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin (EIP)	○
Computed Property Corner	×
Existing Concrete Monument (ECM)	□
Parcel/Sequence Number	(23)
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	-WLB-
Proposed Wetland Boundary	-WLB-
Existing Endangered Animal Boundary	-EAB-
Existing Endangered Plant Boundary	-EPB-
Existing Historic Property Boundary	-HPB-
Known Contamination Area: Soil	-S-S-
Potential Contamination Area: Soil	-S-S-
Known Contamination Area: Water	-W-W-
Potential Contamination Area: Water	-W-W-
Contaminated Site: Known or Potential	☠ ☢

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○
Well	○
Small Mine	×
Foundation	□
Area Outline	□
Cemetery	□
Building	□
School	□
Church	□
Dam	□

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	-----
Jurisdictional Stream	-JS-
Buffer Zone 1	-BZ 1-
Buffer Zone 2	-BZ 2-
Flow Arrow	←
Disappearing Stream	→
Spring	○
Wetland	↓
Proposed Lateral, Tail, Head Ditch	→
False Sump	▽

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○
Switch	□
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY & PROJECT CONTROL:

Primary Horiz Control Point	○
Primary Horiz and Vert Control Point	●
Secondary Horiz and Vert Control Point	◆
Vertical Benchmark	⊕
Existing Right of Way Monument	△
Proposed Right of Way Monument (Rebar and Cap)	▲
Proposed Right of Way Monument (Concrete)	⊙
Existing Permanent Easement Monument	◇
Proposed Permanent Easement Monument (Rebar and Cap)	◆
Existing C/A Monument	△
Proposed C/A Monument (Rebar and Cap)	▲
Proposed C/A Monument (Concrete)	⊙
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Existing Control of Access Line	-----
Proposed Control of Access Line	-----
Proposed ROW and CA Line	-----
Existing Easement Line	-----
Proposed Temporary Construction Easement	-----
Proposed Temporary Drainage Easement	-----
Proposed Permanent Drainage Easement	-----
Proposed Permanent Drainage/Utility Easement	-----
Proposed Permanent Utility Easement	-----
Proposed Temporary Utility Easement	-----
Proposed Aerial Utility Easement	-----

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	-C-
Proposed Slope Stakes Fill	-F-
Proposed Curb Ramp	CR
Existing Metal Guardrail	T T T
Proposed Guardrail	T T T
Existing Cable Guiderail	□ □ □
Proposed Cable Guiderail	□ □ □
Equality Symbol	⊕
Pavement Removal	⊗
VEGETATION:	
Single Tree	○
Single Shrub	○
Hedge	-----

Woods Line	-----
Orchard	○ ○ ○ ○
Vineyard	□

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	CONC
Bridge Wing Wall, Head Wall and End Wall	CONC WW
MINOR:	
Head and End Wall	CONC HW
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	CB
Paved Ditch Gutter	-----
Storm Sewer Manhole	⊙
Storm Sewer	S

UTILITIES:

* SUE - Subsurface Utility Engineering
LOS - Level of Service - A, B, C or D (Accuracy)

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊙
Power Line Tower	⊗
Power Transformer	⊗
U/G Power Cable Hand Hole	PH
H-Frame Pole	●
U/G Power Line Test Hole (SUE - LOS A)*	⊕
U/G Power Line (SUE - LOS B)*	-P-
U/G Power Line (SUE - LOS C)*	-P-
U/G Power Line (SUE - LOS D)*	-P-

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊙
Telephone Pedestal	⊕
Telephone Cell Tower	⊕
U/G Telephone Cable Hand Hole	PH
U/G Telephone Test Hole (SUE - LOS A)*	⊕
U/G Telephone Cable (SUE - LOS B)*	-T-
U/G Telephone Cable (SUE - LOS C)*	-T-
U/G Telephone Cable (SUE - LOS D)*	-T-
U/G Telephone Conduit (SUE - LOS B)*	-TC-
U/G Telephone Conduit (SUE - LOS C)*	-TC-
U/G Telephone Conduit (SUE - LOS D)*	-TC-
U/G Fiber Optics Cable (SUE - LOS B)*	-T FO-
U/G Fiber Optics Cable (SUE - LOS C)*	-T FO-
U/G Fiber Optics Cable (SUE - LOS D)*	-T FO-

WATER:

Water Manhole	⊙
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line Test Hole (SUE - LOS A)*	⊕
U/G Water Line (SUE - LOS B)*	-----
U/G Water Line (SUE - LOS C)*	-----
U/G Water Line (SUE - LOS D)*	-----
Above Ground Water Line	A/G Water

TV:

TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	PH
U/G TV Test Hole (SUE - LOS A)*	⊕
U/G TV Cable (SUE - LOS B)*	-TV-
U/G TV Cable (SUE - LOS C)*	-TV-
U/G TV Cable (SUE - LOS D)*	-TV-
U/G Fiber Optic Cable (SUE - LOS B)*	-TV FO-
U/G Fiber Optic Cable (SUE - LOS C)*	-TV FO-
U/G Fiber Optic Cable (SUE - LOS D)*	-TV FO-

GAS:

Gas Valve	◇
Gas Meter	⊕
U/G Gas Line Test Hole (SUE - LOS A)*	⊕
U/G Gas Line (SUE - LOS B)*	-G-
U/G Gas Line (SUE - LOS C)*	-G-
U/G Gas Line (SUE - LOS D)*	-G-
Above Ground Gas Line	A/G Gas

SANITARY SEWER:

Sanitary Sewer Manhole	⊙
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	-SS-
Above Ground Sanitary Sewer	A/G Sanitary Sewer
SS Force Main Line Test Hole (SUE - LOS A)*	⊕
SS Force Main Line (SUE - LOS B)*	-FSS-
SS Force Main Line (SUE - LOS C)*	-FSS-
SS Force Main Line (SUE - LOS D)*	-FSS-

MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line (SUE - LOS B)*	-UTL-
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	UST
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

ALIGNMENT DATA

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	1002595.124	1783393.748							
LINE			N 76°32'29.5" E	551.45					
PC	1002723.469	1783930.052							
CURVE			N 76°18'53.4" E	893.13	00°27'12.2"(LT)	00°03'02.8"	893.13	446.57	112863.98
PT	1002934.771	1784797.825							
LINE			N 76°05'17.2" E	111.71					
PC	1002961.629	1784906.255							
CURVE			N 73°49'29.3" E	309.01	04°31'35.8"(LT)	01°27'52.2"	309.09	154.62	3912.29
PCC	1003047.711	1785203.031							
CURVE			N 70°11'11.9" E	419.45	02°44'59.0"(LT)	00°39'19.8"	419.49	209.78	8740.81
PCC	1003189.885	1785597.646							
CURVE			N 69°11'29.2" E	557.40	00°45'33.5"(RT)	00°08'10.4"	557.41	278.71	42061.17
PT	1003387.900	1786118.691							
LINE			N 69°34'15.9" E	877.32					
PC	1003694.126	1786940.836							
CURVE			N 69°42'56.9" E	634.46	00°17'21.9"(RT)	00°02'44.2"	634.46	317.23	125600.29
PT	1003914.078	1787535.947							
LINE			N 69°51'37.8" E	252.19					
PC	1004000.910	1787772.721							
CURVE			N 68°34'02.9" E	189.45	02°35'09.9"(LT)	01°21'53.8"	189.46	94.75	4197.63
PT	1004070.134	1787949.068							
LINE			N 67°16'27.9" E	254.70					
POT	1004168.531	1788183.998							

EY2

POINT	N	E	BEARING	DIST
POT	1002641.319	1783586.777		
LINE			S 10°44'38.7" W	131.75
POT	1002511.877	1783562.216		

EY3

POINT	N	E	BEARING	DIST
POT	1002970.756	1784475.054		
LINE			S 14°11'17.5" E	112.12
POT	1002862.052	1784502.537		

EY4

POINT	N	E	BEARING	DIST
POT	1003246.654	1785450.891		
LINE			S 10°40'27.0" W	122.57
POT	1003126.207	1785428.188		

EY5A

POINT	N	E	BEARING	DIST
POT	1004175.321	1787989.857		
LINE			S 03°24'47.7" W	90.52
POT	1004084.961	1787984.468		

EY5B

POINT	N	E	BEARING	DIST
POT	1004083.363	1787980.653		
LINE			S 03°24'47.7" W	134.38
POT	1003949.218	1787972.652		

BASELINE DATA

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		GPS-1	1002652.3250	1783501.4020	615.83
2		GPS-2	1002794.8870	1784404.2290	598.16
101		BL-101	1002986.3540	1785110.9790	599.68
102		BL-102	1003159.1450	1785573.9130	592.89
103		BL-103	1003328.5300	1786007.9260	581.80
104		BL-104	1003555.7120	1786614.1930	604.20
105		BL-105	1003693.0920	1786996.7510	619.67
3		GPS-3	1003816.8000	1787328.9930	629.52
4		GPS-4	1004028.4810	1787906.8840	633.63

BENCHMARK DATA

```

*****
BM1      ELEVATION = 614.08
N 1002575      E 1783716
BL STATION 7+00.00 110 RIGHT
BENCHTIE SET IN 18' OAK
*****
BM2      ELEVATION = 580.33
N 1003485      E 1786065
BL STATION 32+15.00 126 LEFT
BENCHTIE SET IN 24' OAK
*****
BM3      ELEVATION = 636.94
N 1004141      E 1787894
BL STATION 51+30.00
N 06+19'18.2" W      DIST 113.32
BENCHTIE SET IN 18' OAK
*****
    
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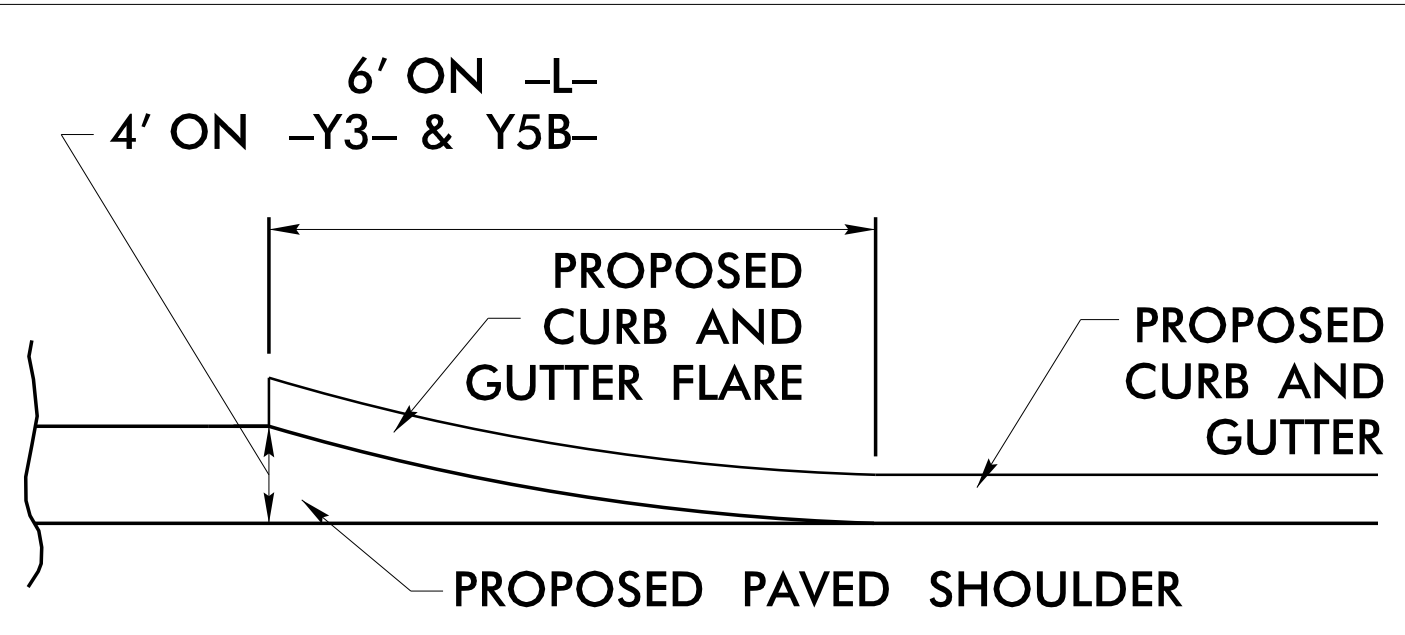
REVISIONS

6/2/99

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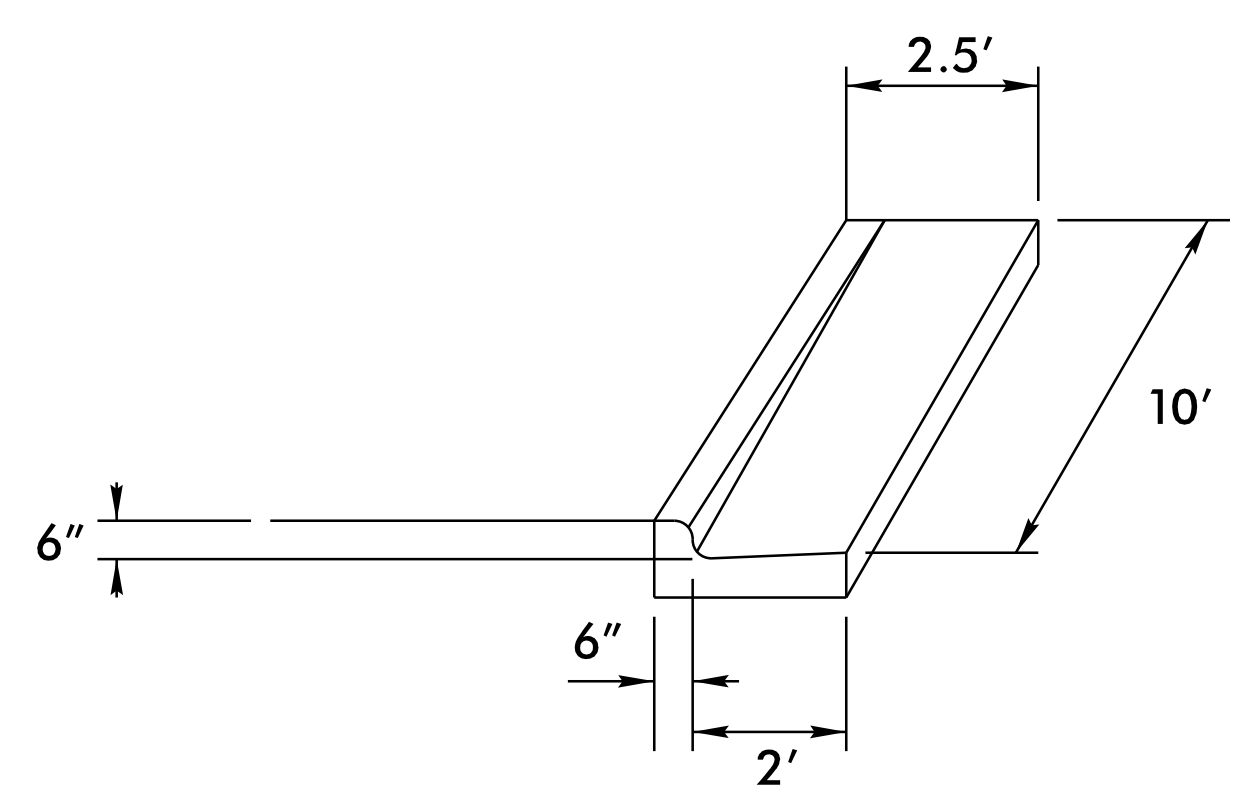
6/2/2025

PAVEMENT SCHEDULE	
S1	4" CONCRETE SIDEWALK.
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
R1	2'-6" CONCRETE CURB & GUTTER
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.



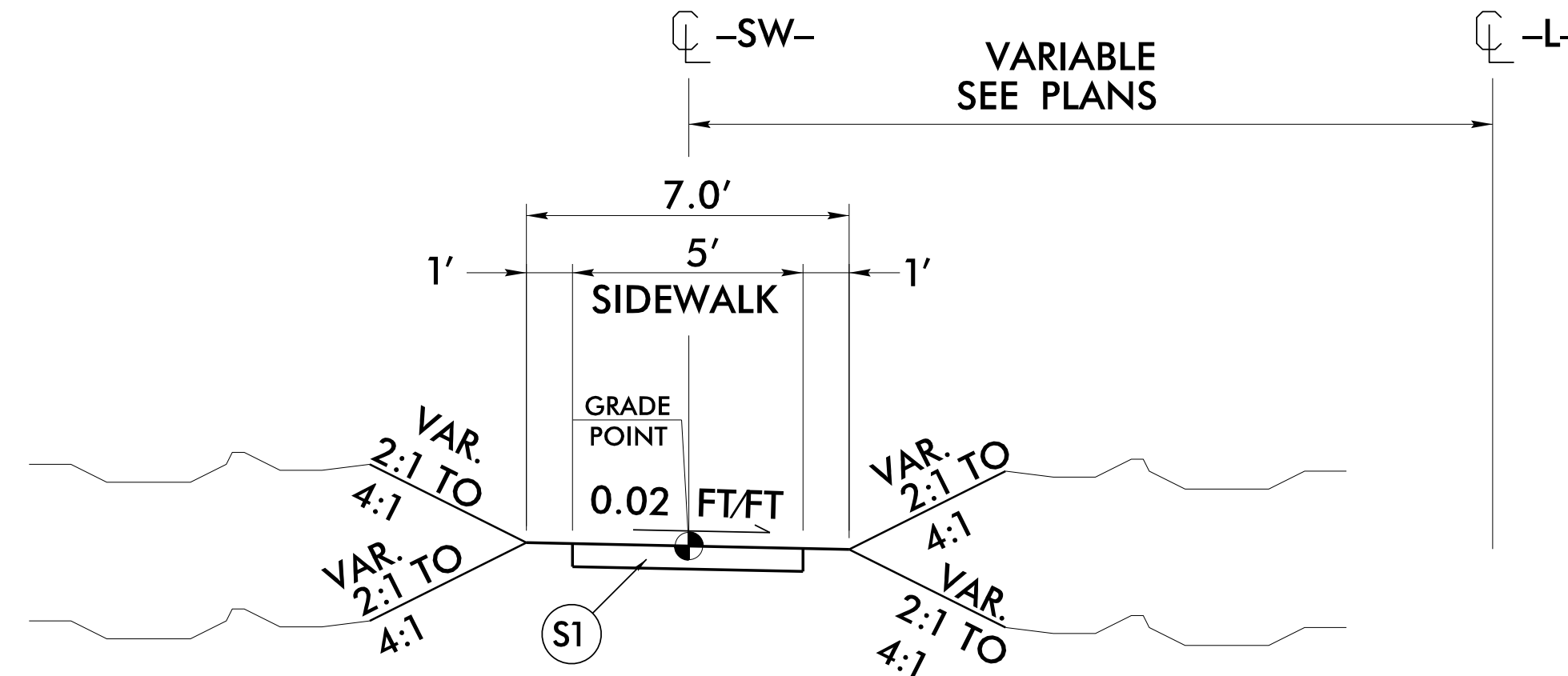
APPROACH CURB AND GUTTER FLARE DETAIL

- NOTE: DRAWING NOT TO SCALE
- L- STA. 12+41.73 TO STA. 12+84.27 LT.
 - L- STA. 20+31.79 TO STA. 20+78.66 LT.
 - L- STA. 21+84.48 TO STA. 22+34.45 LT.
 - L- STA. 27+62.18 TO STA. 27+87.33 LT.
 - L- STA. 28+55.97 TO STA. 28+80.97 LT..
 - L- STA. 30+41.11 TO STA. 30+66.11 LT.
 - L- STA. 31+86.60 TO STA. 32+11.66 LT.
 - L- STA. 35+25.01 TO STA. 35+47.16 LT.
 - L- STA. 41+00.00 TO STA. 41+24.83 LT.
 - L- STA. 57+45.55 TO STA. 57+76.35 LT.
 - Y3- STA. 10+62.41 TO STA. 10+80.52 LT.
 - Y5B- STA. 10+57.38 TO STA. 10+80.52 LT.



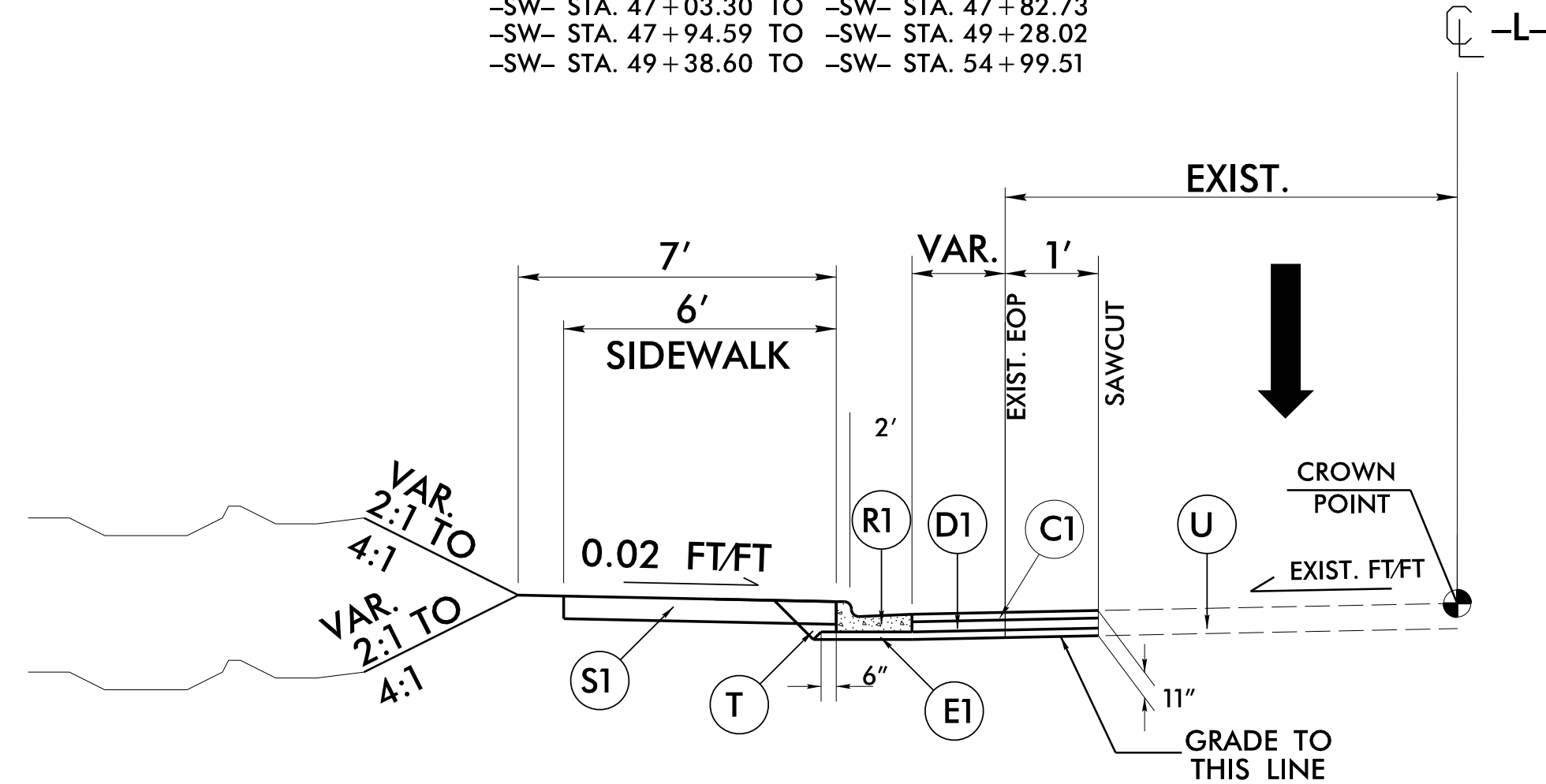
CURB TRANSITION DETAIL

- L- LT. STA. 11+13.97 TO -L- LT. STA. 11+23.97
- Y2- LT. STA. 10+48.43 TO -Y2- LT. STA. 10+58.43
- Y2- RT. STA. 10+62.76 TO -Y2- RT. STA. 10+72.76



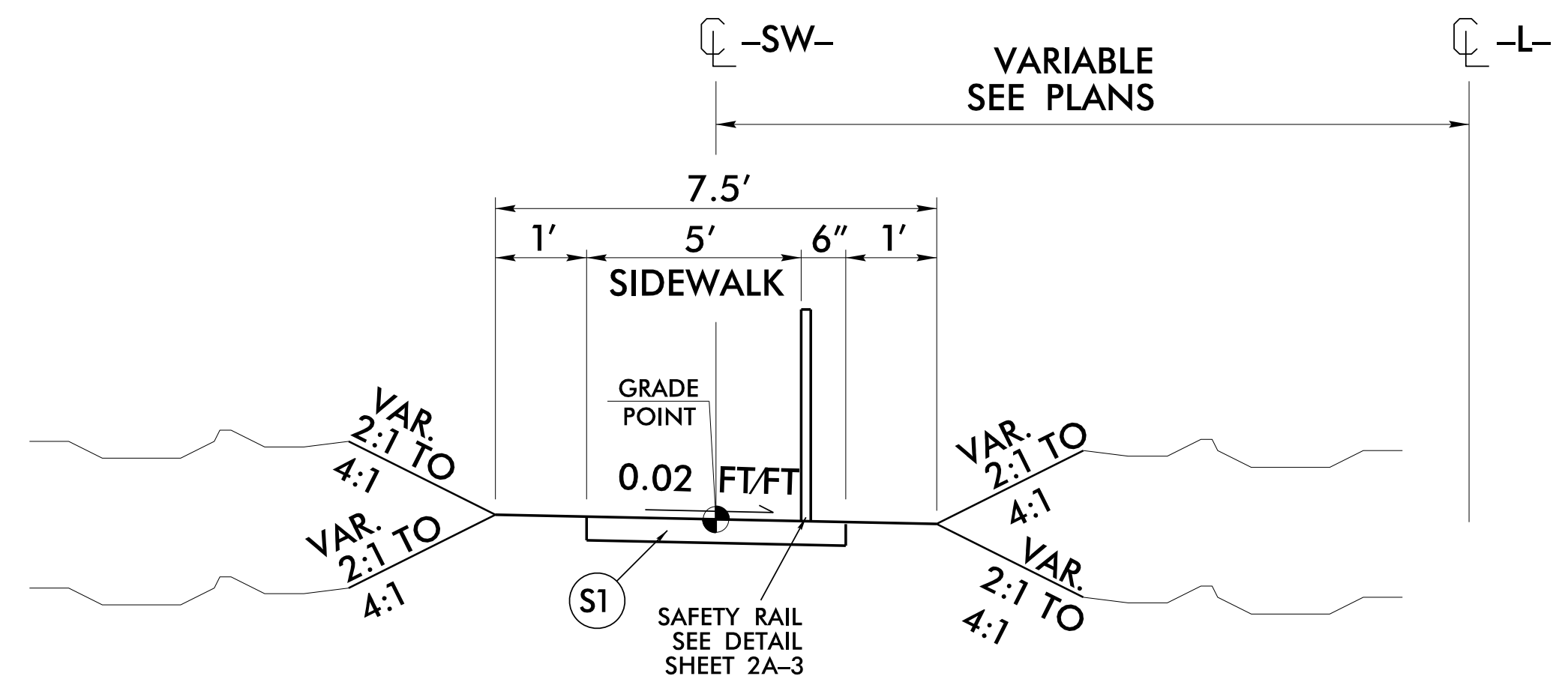
TYPICAL SECTION NO. 1

- SW- STA. 10+18.93 TO -SW- STA. 17+69.40
- SW- STA. 19+70.88 TO -SW- STA. 25+00.29
- SW- STA. 26+17.37 TO -SW- STA. 27+76.79
- SW- STA. 29+46.13 TO -SW- STA. 29+92.16
- SW- STA. 39+50.00 TO -SW- STA. 43+50.00
- SW- STA. 45+00.00 TO -SW- STA. 45+38.39
- SW- STA. 45+46.67 TO -SW- STA. 46+66.47
- SW- STA. 47+03.30 TO -SW- STA. 47+82.73
- SW- STA. 47+94.59 TO -SW- STA. 49+28.02
- SW- STA. 49+38.60 TO -SW- STA. 54+99.51



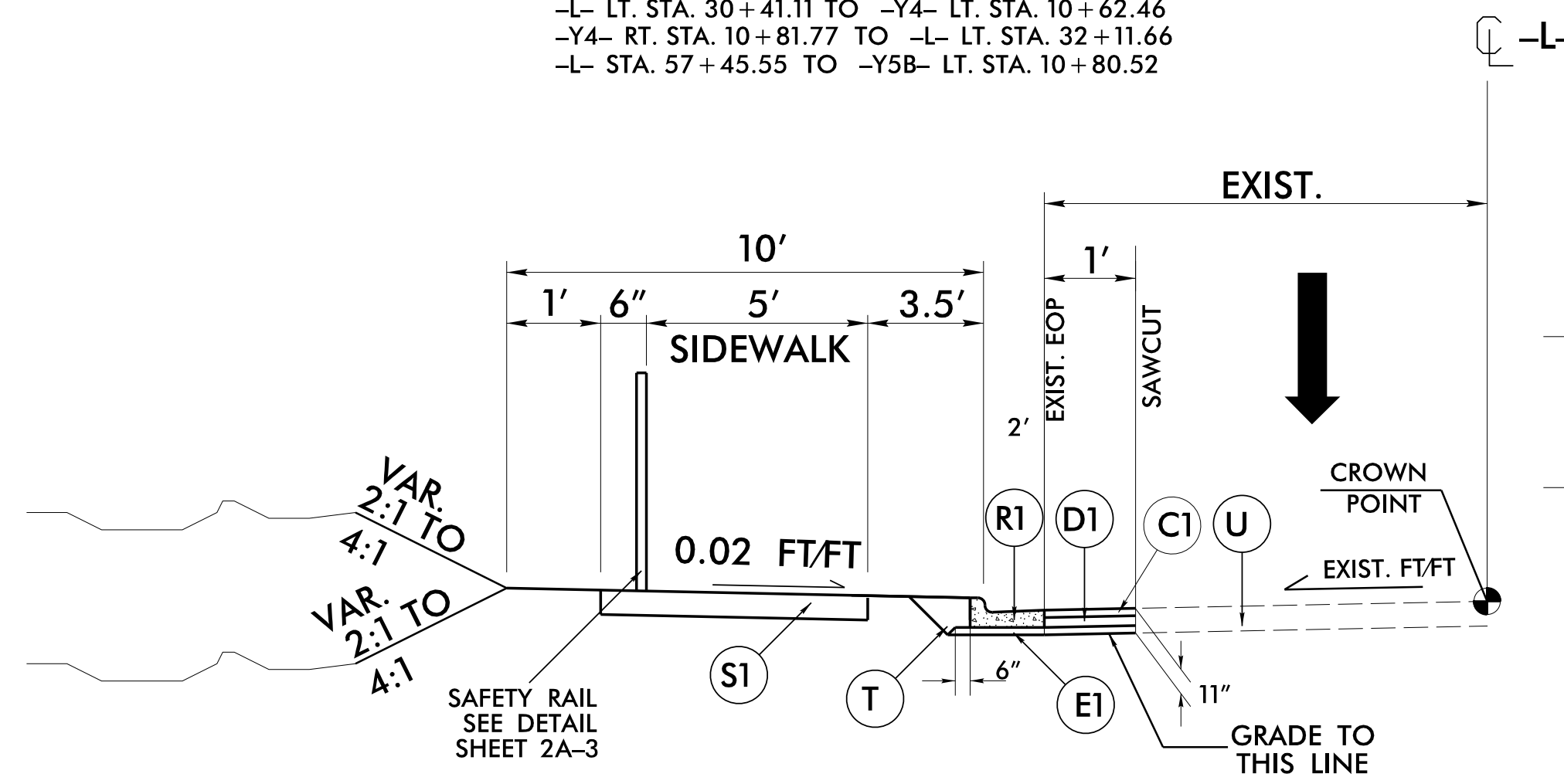
TYPICAL SECTION NO. 2

- L- LT. STA. 11+13.97 TO -Y2- LT. STA. 10+58.43
- Y2- RT. STA. 10+72.76 TO -L- LT. STA. 12+84.27
- L- LT. STA. 20+32.36 TO -Y3- LT. STA. 10+80.52
- Y3 RT- STA. 10+53.78 TO -L- LT. STA. 22+33.89
- L- LT. STA. 27+62.18 TO EXIST. SCHOOL DRIVE LT.
- EXIST. SCHOOL DRIVE TO -L- LT. 28+80.97
- L- LT. STA. 30+41.11 TO -Y4- LT. STA. 10+62.46
- Y4- RT. STA. 10+81.77 TO -L- LT. STA. 32+11.66
- L- STA. 57+45.55 TO -Y5B- LT. STA. 10+80.52



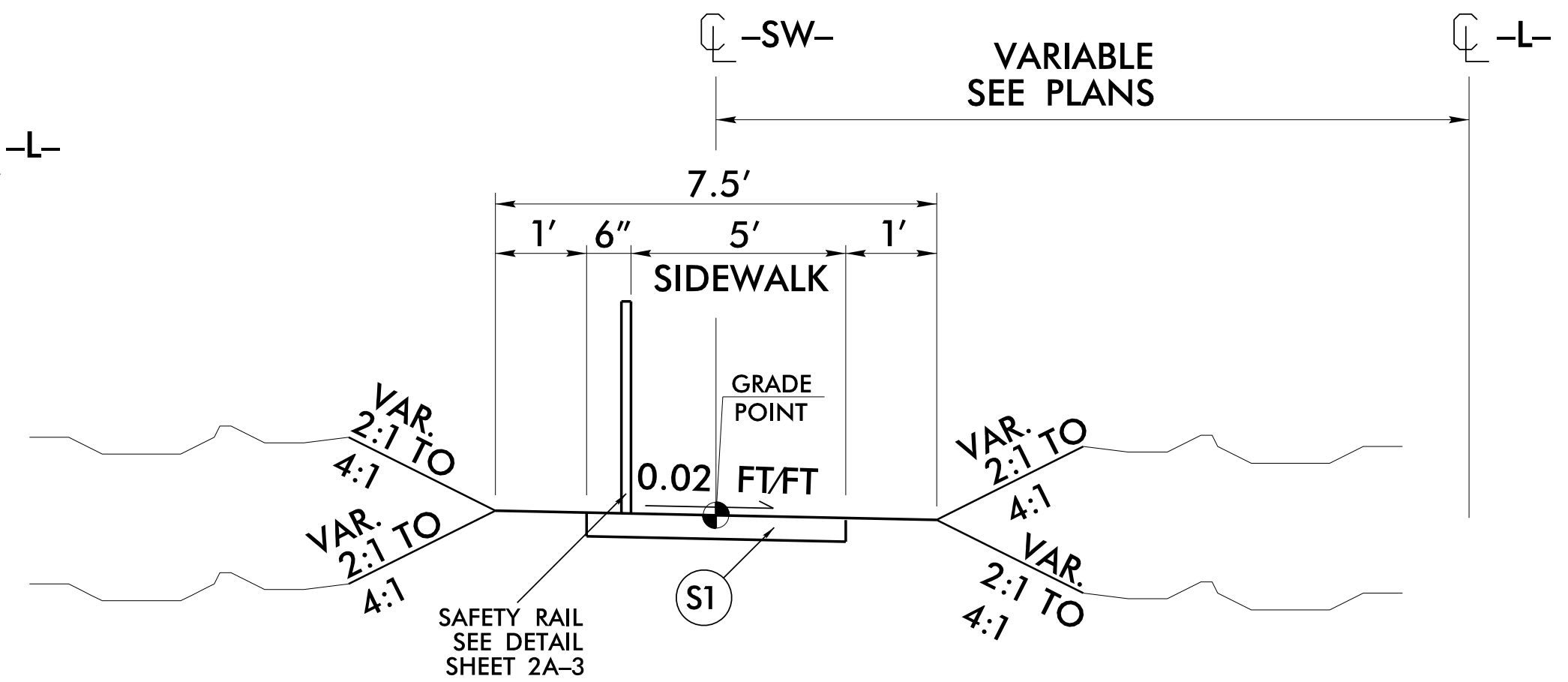
TYPICAL SECTION NO. 4

- SW- STA. 29+92.16 TO -SW- STA. 32+45.00



TYPICAL SECTION NO. 3

- L- LT. STA. 35+25.01 TO -L- LT. STA. 41+24.83



TYPICAL SECTION NO. 5

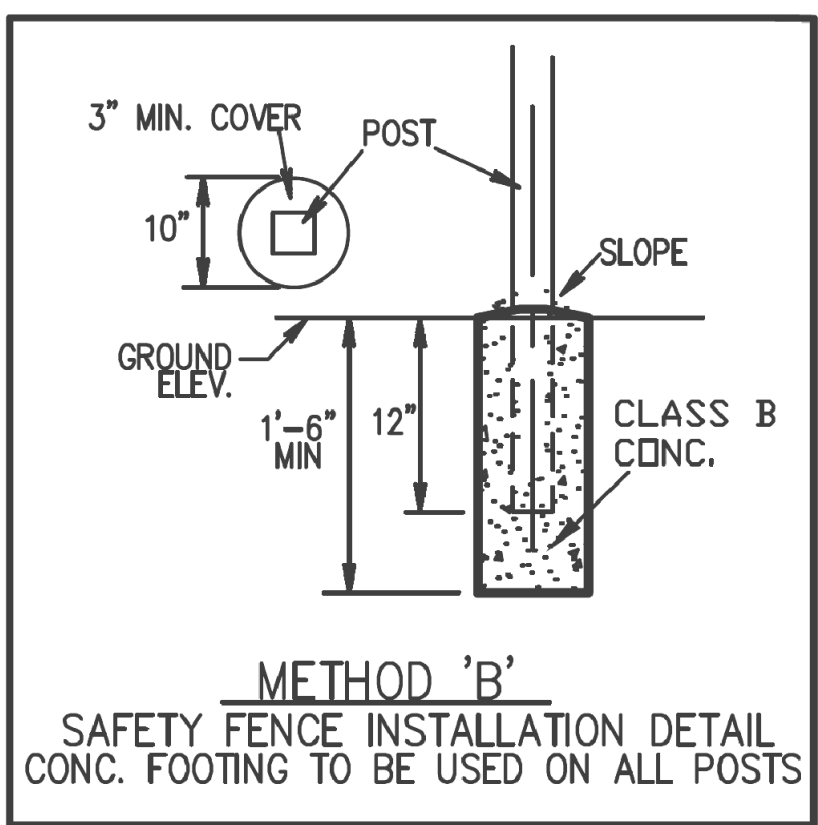
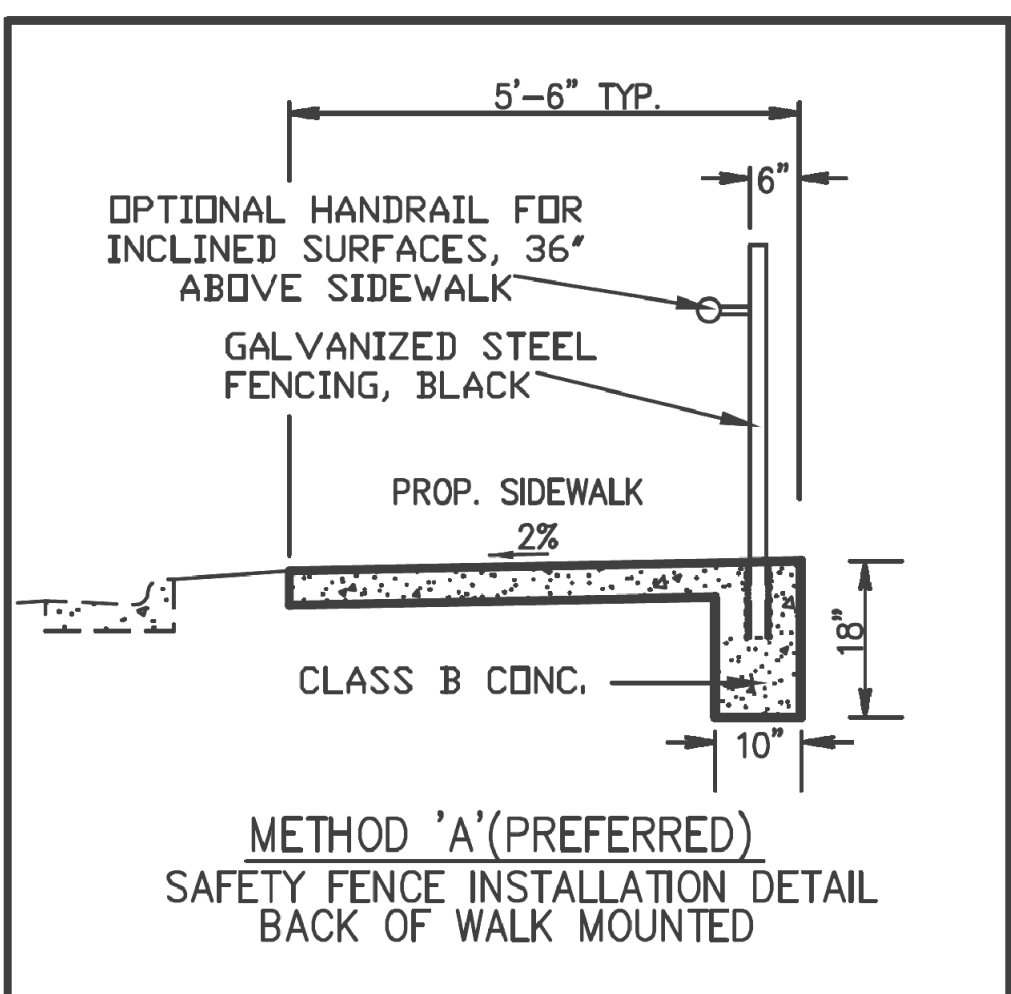
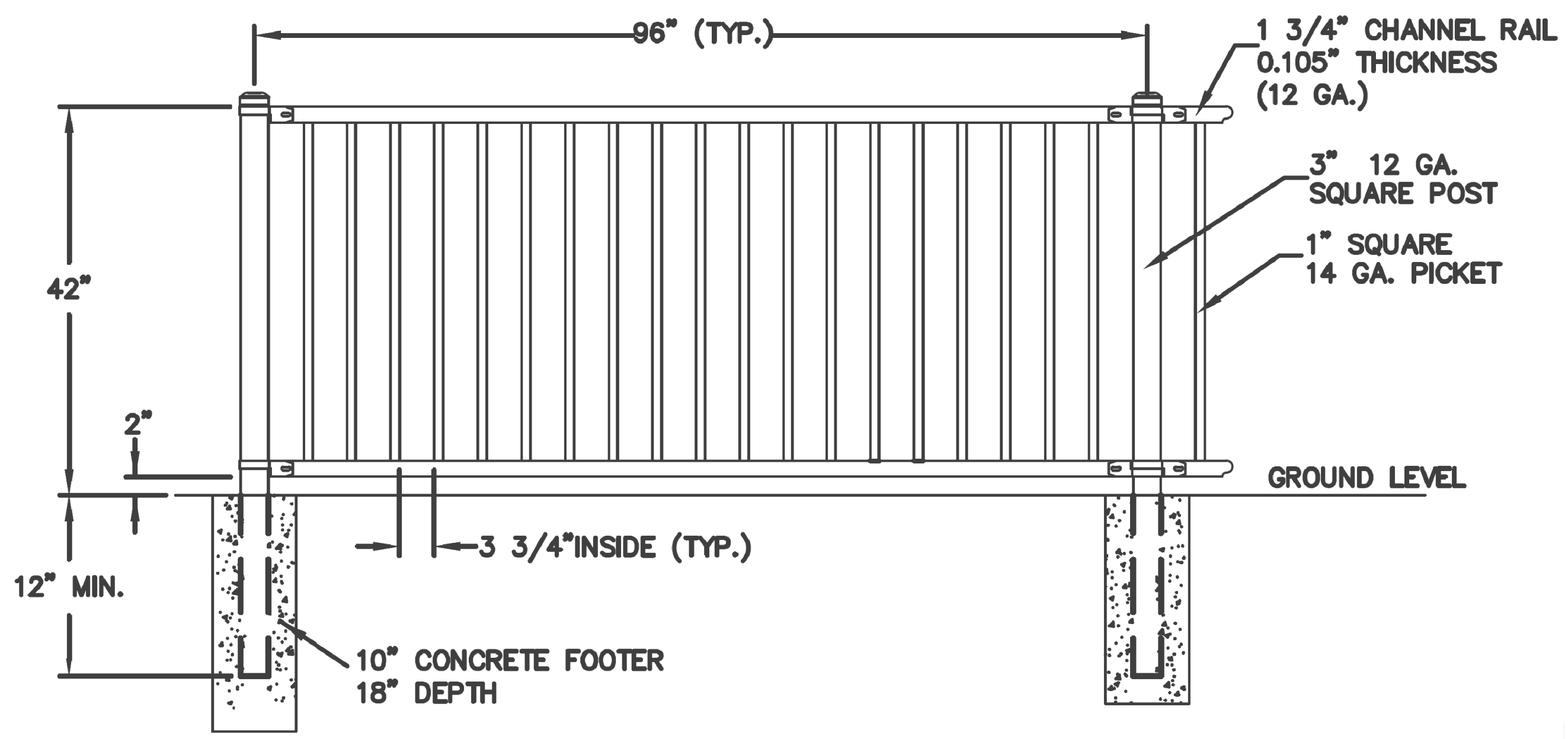
- SW- STA. 32+45.00 TO -SW- STA. 32+68.42
- SW- STA. 38+69.06 TO -SW- STA. 39+50.00
- SW- STA. 43+50.00 TO -SW- STA. 45+00.00

PROJECT REFERENCE NO. <i>EB-5888</i>	SHEET NO. <i>2A-1</i>
ROADWAY DESIGN ENGINEER Signed by: <i>Greg S. Purvis</i> 9/10/2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	

7/30/2025 11:58:00 AM EB_5888_RDY_TYP_2A-1.dgn

SAFETY RAIL DETAIL

PROJECT REFERENCE NO. <i>EB-5888</i>	SHEET NO. <i>2A-3</i>
ROADWAY DESIGN ENGINEER	
SIGNED: <i>Greg S. Purvis</i> 9/10/2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
<small>559 Jones Franklin Rd. Suite 164 Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</small>	
<small>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</small>	



NOTE: ANY AREA WHERE THIS FENCE IS PROPOSED SHALL BE EVALUATED FOR A CLEAR LINE OF SIGHT. IF THERE IS A SIGHT LINE ISSUE, USE COG STD #446-A.

- SAFETY FENCE NOTES:**
1. ALL RAILING IS TO BE GALVANIZED STEEL WITH A MINIMUM 2 MILS. TOTAL THICKNESS OF EPOXY PRIMER AND ACRYLIC TOPCOAT, COLOR BLACK.
 2. BOTTOM OF POSTS TO BE EMBEDDED IN CONCRETE SHOULD FIRST BE PROTECTED WITH TWO-PART EPOXY DIPPING OR ZINC CHROMATE COATING TO PREVENT CORROSION.
 3. ONLY NON-METALLIC, NON-SHRINK GROUT IS TO BE USED FOR SECURING POSTS IN CONCRETE.
 4. THE HANDRAIL FOR INCLINED SURFACES IS REQUIRED WHEN THE RUNNING SLOPE IS 5% OR GREATER AND SHALL MEET ALL THE APPLICABLE REQUIREMENTS AND PROVISIONS OF SECTION R408 OF THE ADA ACCESSIBILITY GUIDELINES FOR PUBLIC RIGHTS-OF-WAY.
 5. THERE ARE TO BE NO EXPOSED WELDS AND ERECTED FENCE IS TO HAVE THE SAME APPEARANCE ON BOTH SIDES.
 6. VERTICAL PICKETS SHALL NOT EXTEND BEYOND THE TOP OR BOTTOM RAILS.

DETAIL

- L- LT. STA. 35+25.01 TO -L- LT. STA. 41+24.83
- SW- STA. 29+92.16 TO -SW- STA. 32+45.00
- SW- STA. 32+45.00 TO -SW- STA. 32+68.42
- SW- STA. 38+69.06 TO -SW- STA. 39+50.00
- SW- STA. 43+50.00 TO -SW- STA. 45+00.00

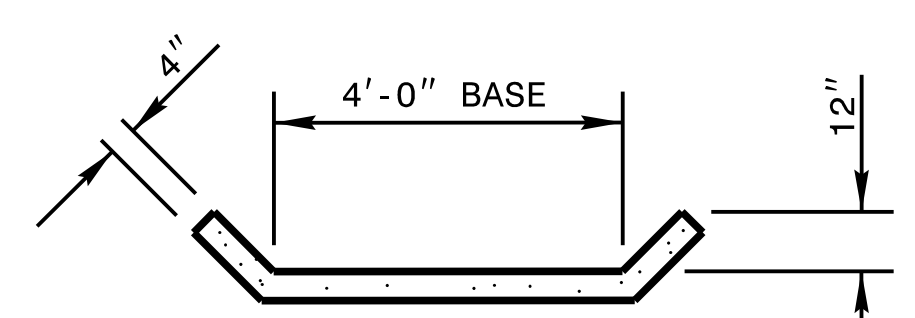
7/30/2025
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 I:\SEB\tr\2025\EB_5888.RDY_PSH_2A-3.dgn

GENERAL NOTES:

WIDTH AND SHAPE OF PROPOSED CONCRETE FLUME AND ETC. SHALL BE AS SHOWN OR AS DIRECTED BY THE ENGINEER.

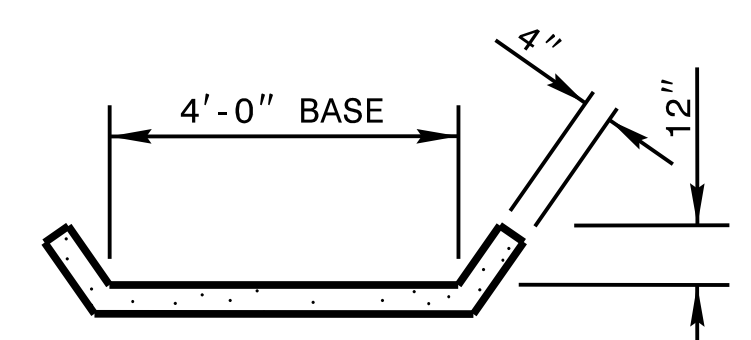
REINFORCING BARS ARE TO BE ASTM A615, GRADE 60.

THE FOLLOWING SHALL BE CONSTRUCTED IN ACCORDANCE WITH N.C. ROADWAY SPECIFICATIONS, CONCRETE CURB AND GUTTER-SECTION 846, CONCRETE FLUME COVER (TO BE CONSTRUCTED UNDER SIDEWALK SPECIFICATIONS) SECTION 848, CONCRETE PAVED DITCH- SECTION 850.



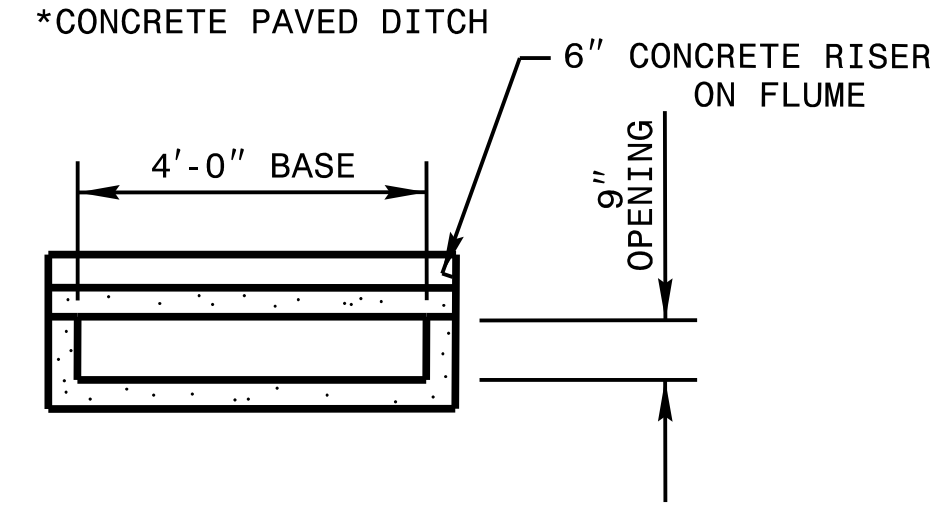
SECTION D-D

*CONCRETE PAVED DITCH



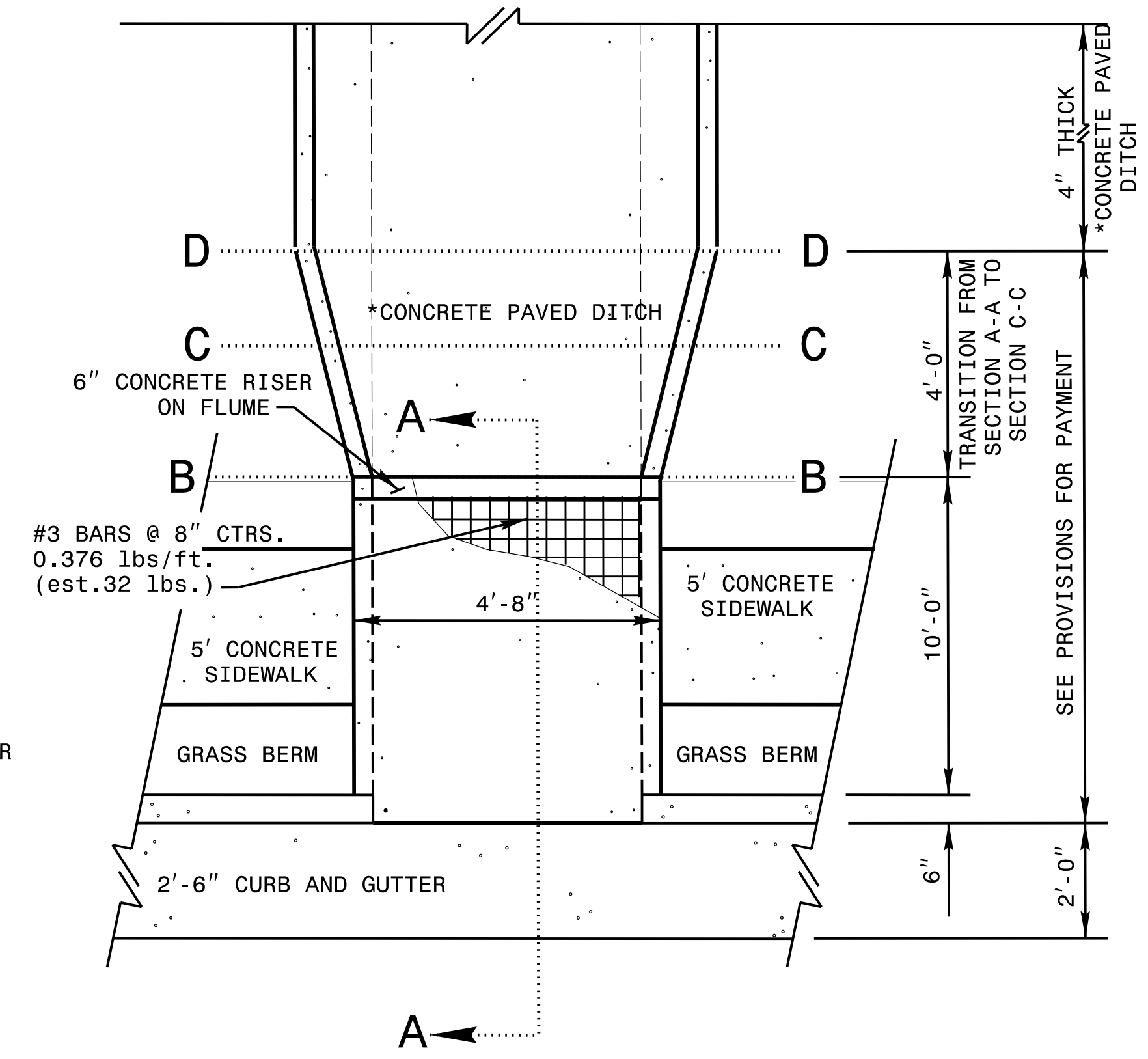
SECTION C-C

*CONCRETE PAVED DITCH

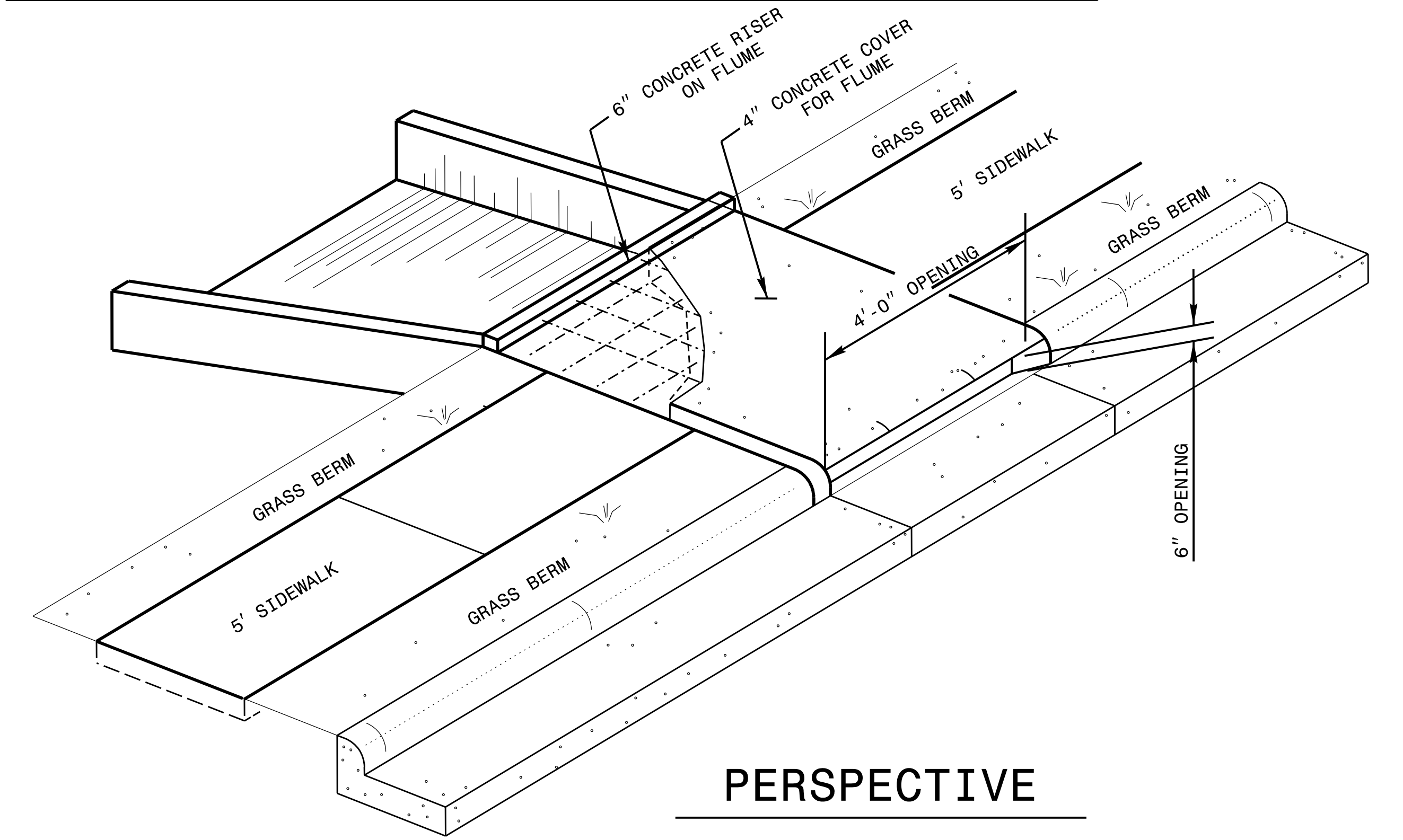


SECTION B-B

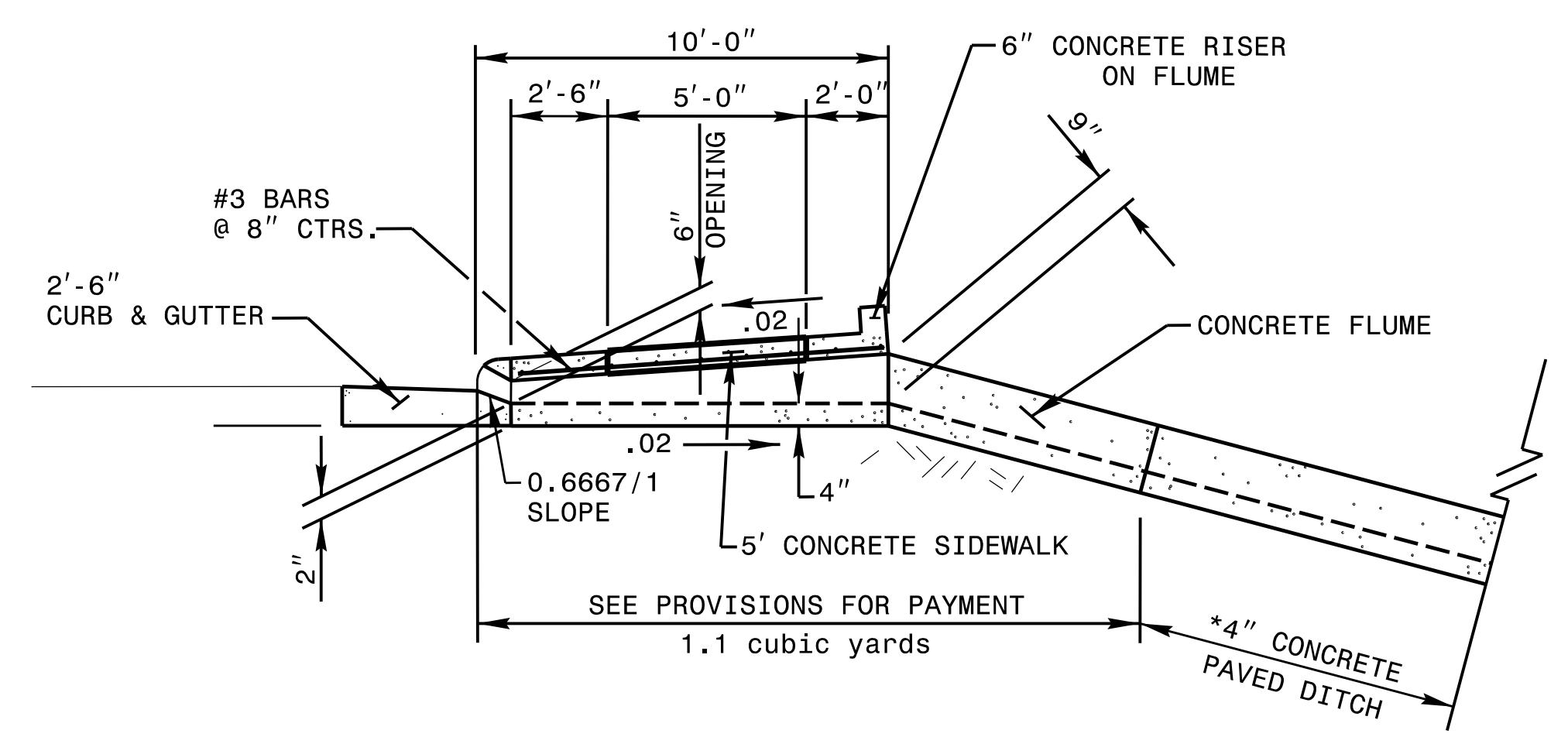
CONCRETE PAVED DITCH
CONCRETE FLUME



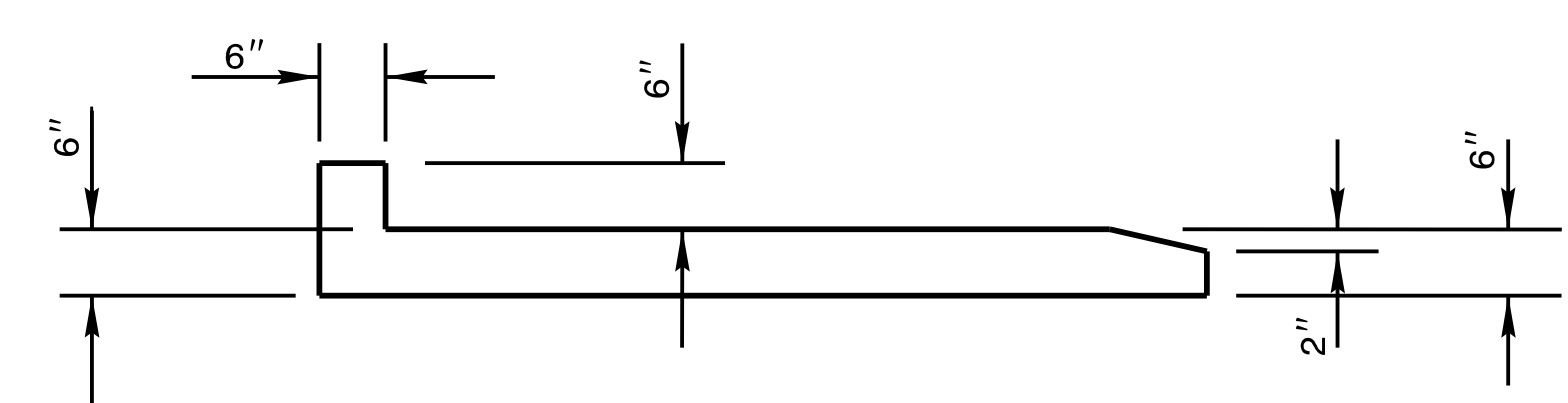
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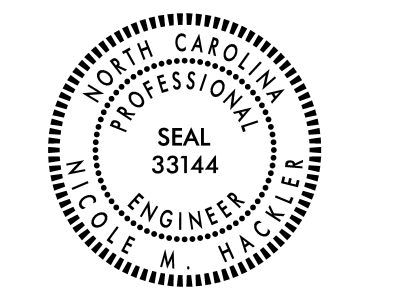
PERSPECTIVE



ELEVATION



SECTION A-A



Signed by:
Nicole M. Hecker
988432034184CS
9/11/2025

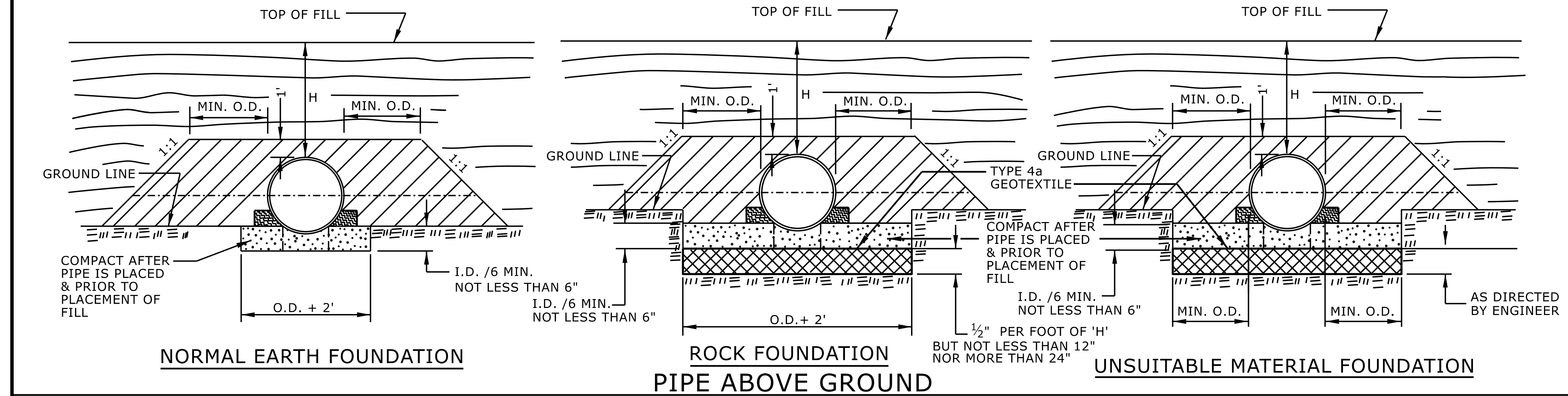
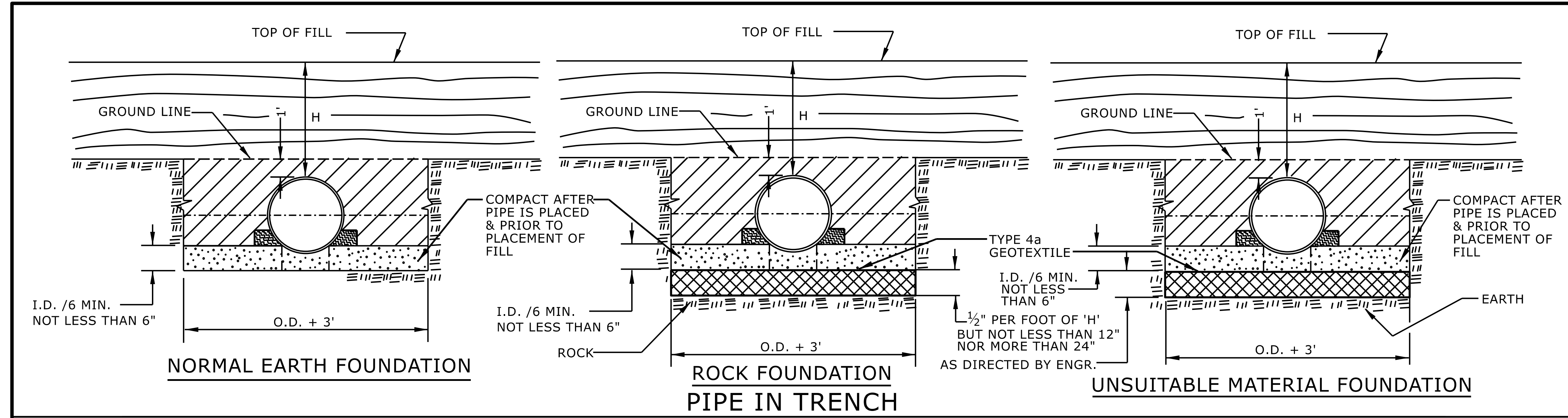
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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STANDARDS AND SPECIAL DESIGN
Office 919-707-6950 FAX 919-250-4119



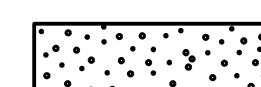
CONCRETE FLUME DETAIL

ORIGINAL BY: rnbritt DATE: 03-27-12
 MODIFIED BY: DATE:
 CHECKED BY: DATE:
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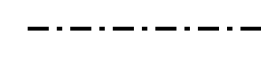
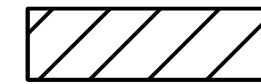
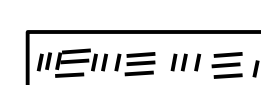

*RIP RAP LINED DITCH MAY BE USED IN LIEU OF A CONCRETE PAVED DITCH.
 AT ENGINEER'S DISCRETION



GENERAL NOTES:
 I.D. = THE MAXIMUM HORIZONTAL INSIDE DIAMETER DIMENSION.
 O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION.
 H = THE FILL HEIGHT MEASURED VERTICALLY AT ANY POINT ALONG THE PIPE FROM THE TOP OF THE PIPE TO THE TOP OF THE EMBANKMENT AT THAT POINT.

-  APPROVED SUITABLE LOCAL MATERIAL.
-  TAKE CARE TO FULLY COMPACT HAUNCH ZONE OF PIPE BACKFILL.
-  LOOSELY PLACED SELECT MATERIAL CLASS III OR CLASS II, TYPE 1 FOR PIPE BEDDING. LEAVE SECTION DIRECTLY BENEATH PIPE UNCOMPACTED AS PIPE SEATING AND BACKFILL WILL ACCOMPLISH COMPACTION.

DO NOT OPERATE HEAVY EQUIPMENT OVER ANY PIPE CULVERT UNTIL THE PIPE CULVERT HAS BEEN PROPERLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.
 REFER TO NCDOT PIPE MATERIAL SELECTION GUIDE AND STANDARD SPECIFICATIONS FOR ALLOWABLE PIPE FILL HEIGHTS AND PIPE SPECIFICATIONS.

-  SPRINGLINE OF PIPE
-  SELECT BACKFILL MATERIAL CLASS III OR CLASS II, TYPE 1 ABOVE AND BELOW SPRINGLINE.
-  UNDISTURBED EARTH MATERIAL
-  SELECT MATERIAL CLASS V OR VI FOR FOUNDATION CONDITIONING. ENCAPSULATE WITH TYPE IV GEOTEXTILE AS DIRECTED BY THE ENGINEER.

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

ROADWAY DETAIL DRAWING FOR
METHOD OF PIPE INSTALLATION
 FLEXIBLE PIPE



Signed by:
 Nicole M. Hacker
 0884323034164CS
 9/11/2025

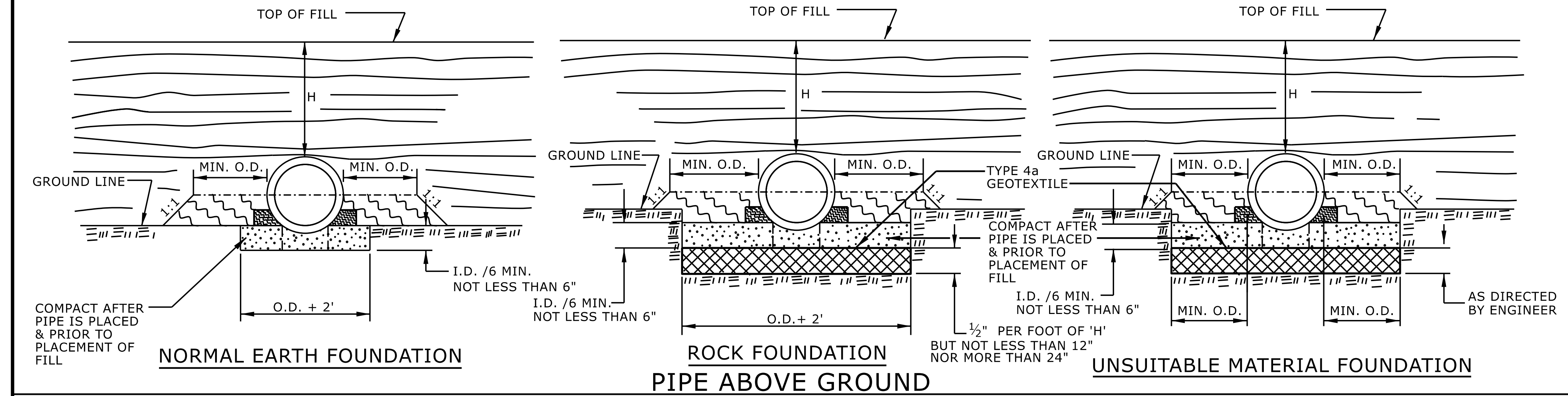
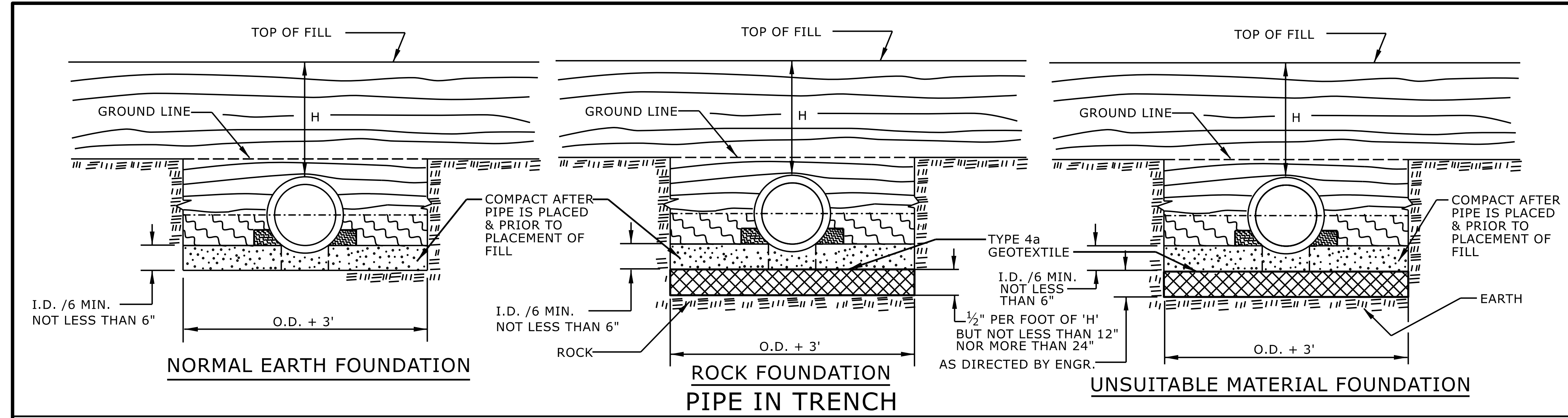
SHEET 1 OF 2
300.01

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 UNLESS ALL SIGNATURES COMPLETED



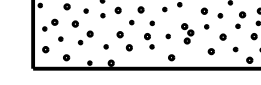
CONTRACTS STANDARDS AND DEVELOPMENT UNIT
 Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
 MODIFIED BY: DATE: _____
 CHECKED BY: DATE: _____
 FILE SPEC: _____

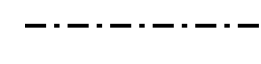

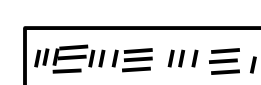



GENERAL NOTES:
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 O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION.
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STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.
 ROADWAY DETAIL DRAWING FOR
METHOD OF PIPE INSTALLATION
 RIGID PIPE



Signed by:
 Nicole M. Hacker
 588432034104CS
 9/11/2025

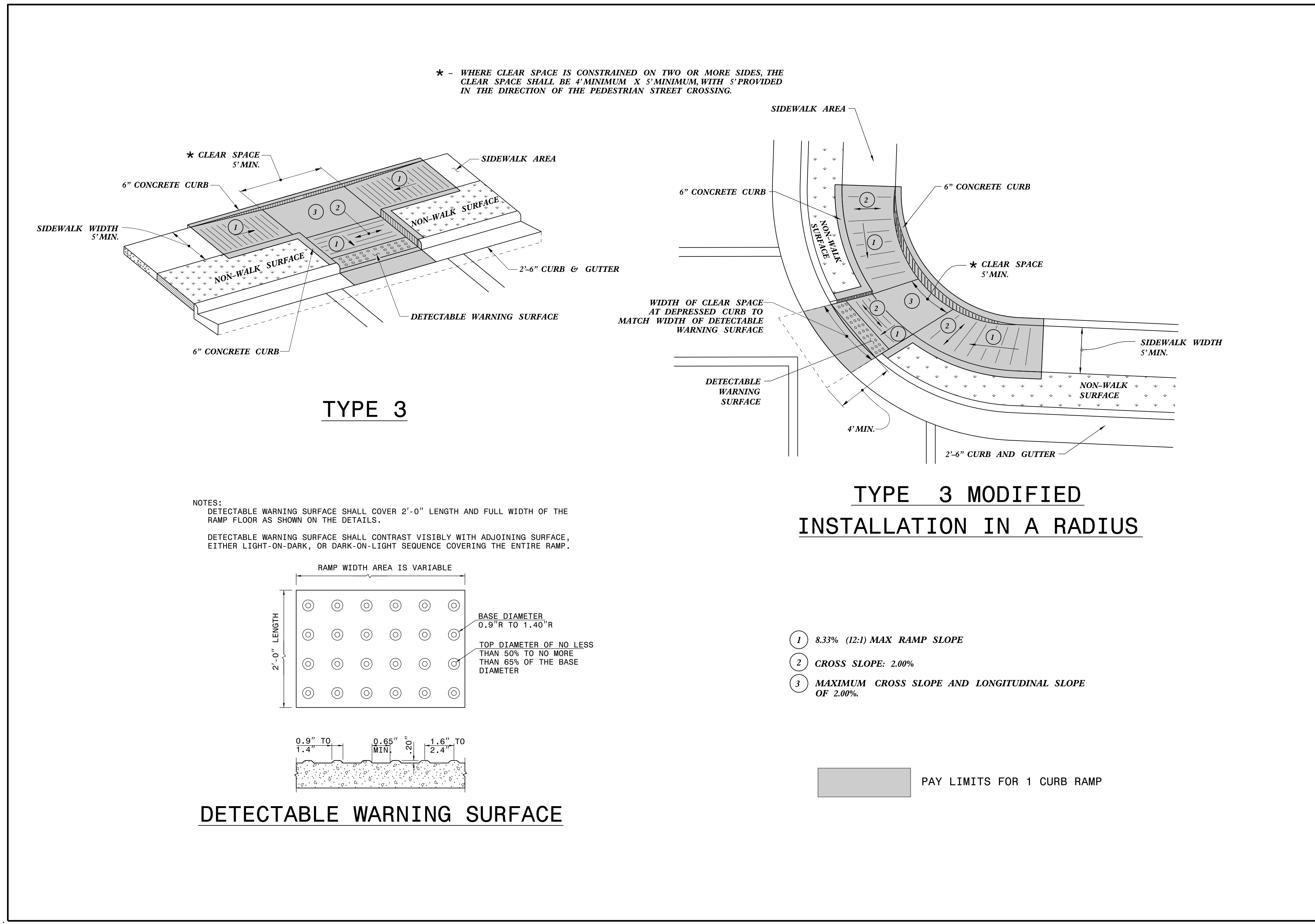
SHEET 2 OF 2
300.01

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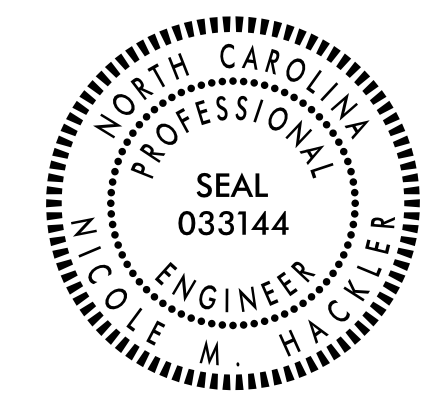
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 CHECKED BY: DATE:
 FILE SPEC.:



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

ROADWAY DETAIL DRAWING FOR
CURB RAMP
PARALLEL RAMP

SHEET 9 OF 13
848D06



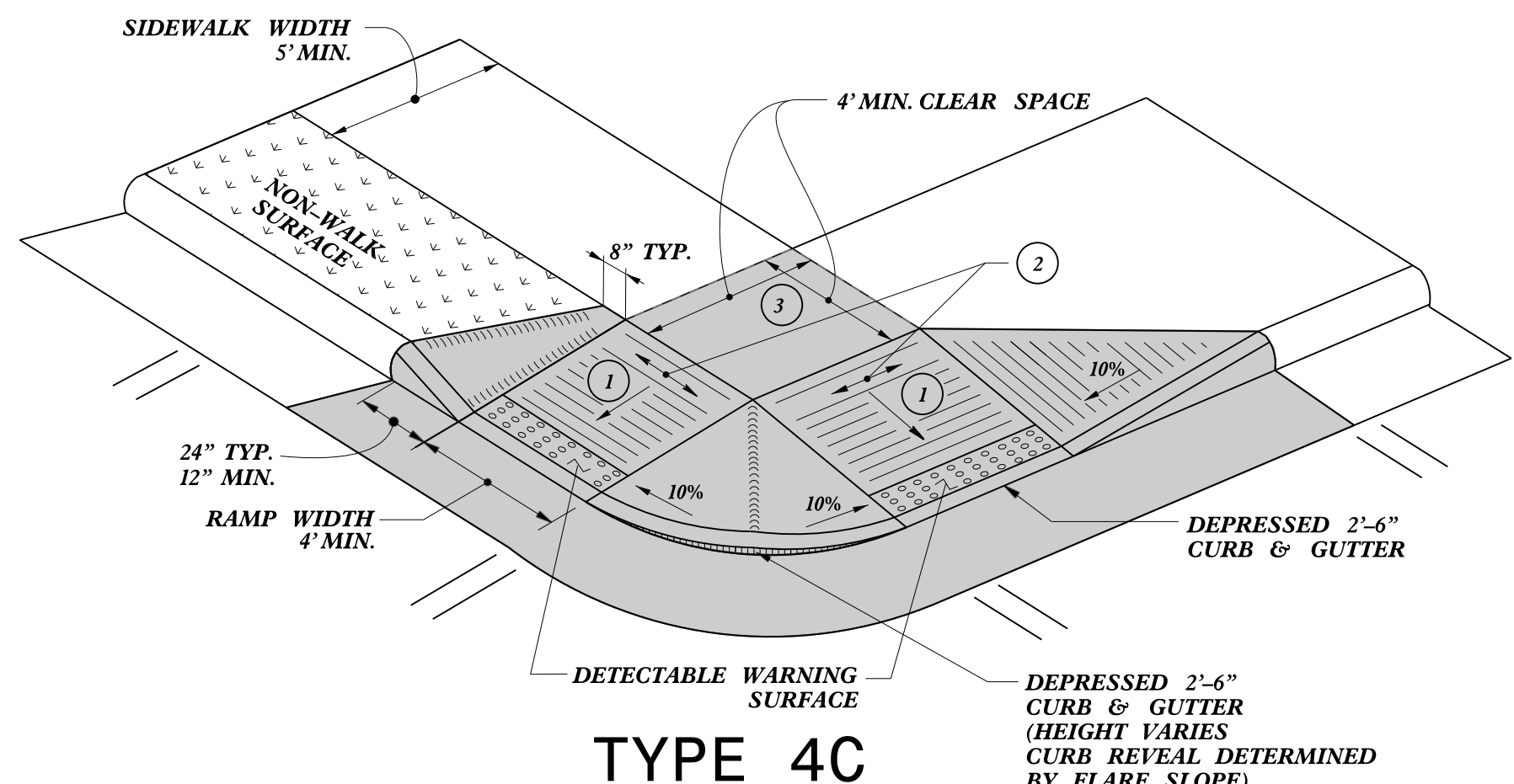
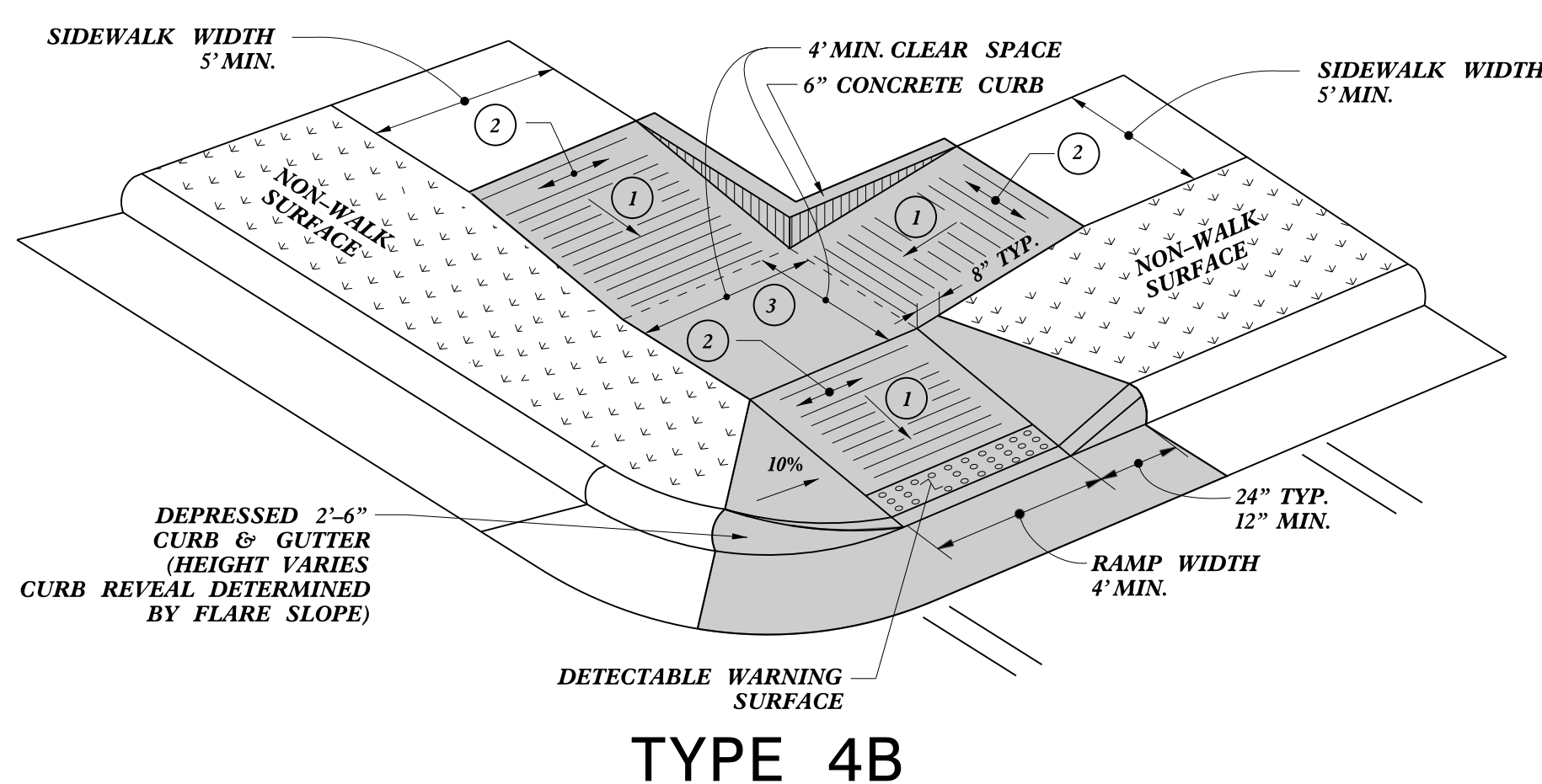
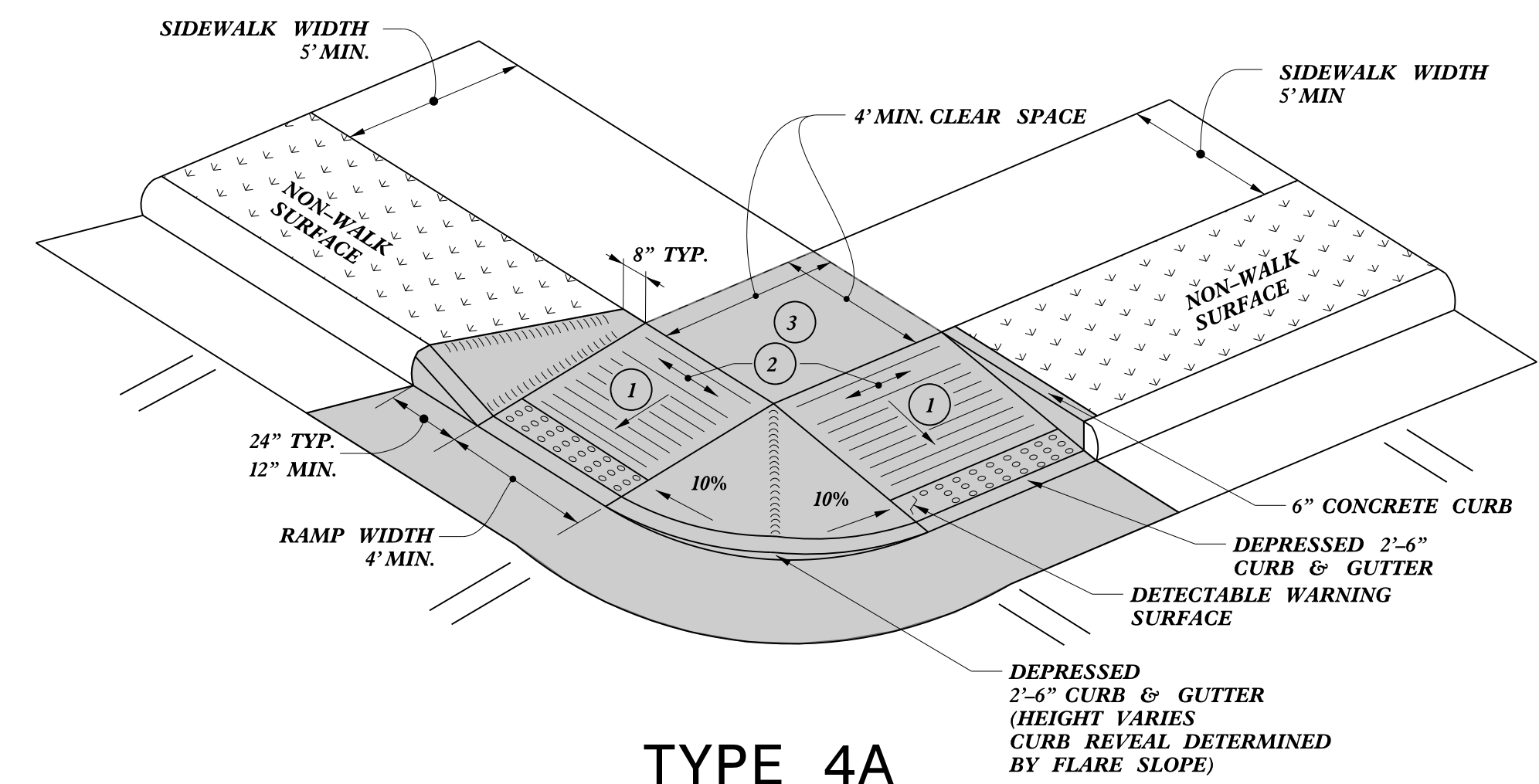
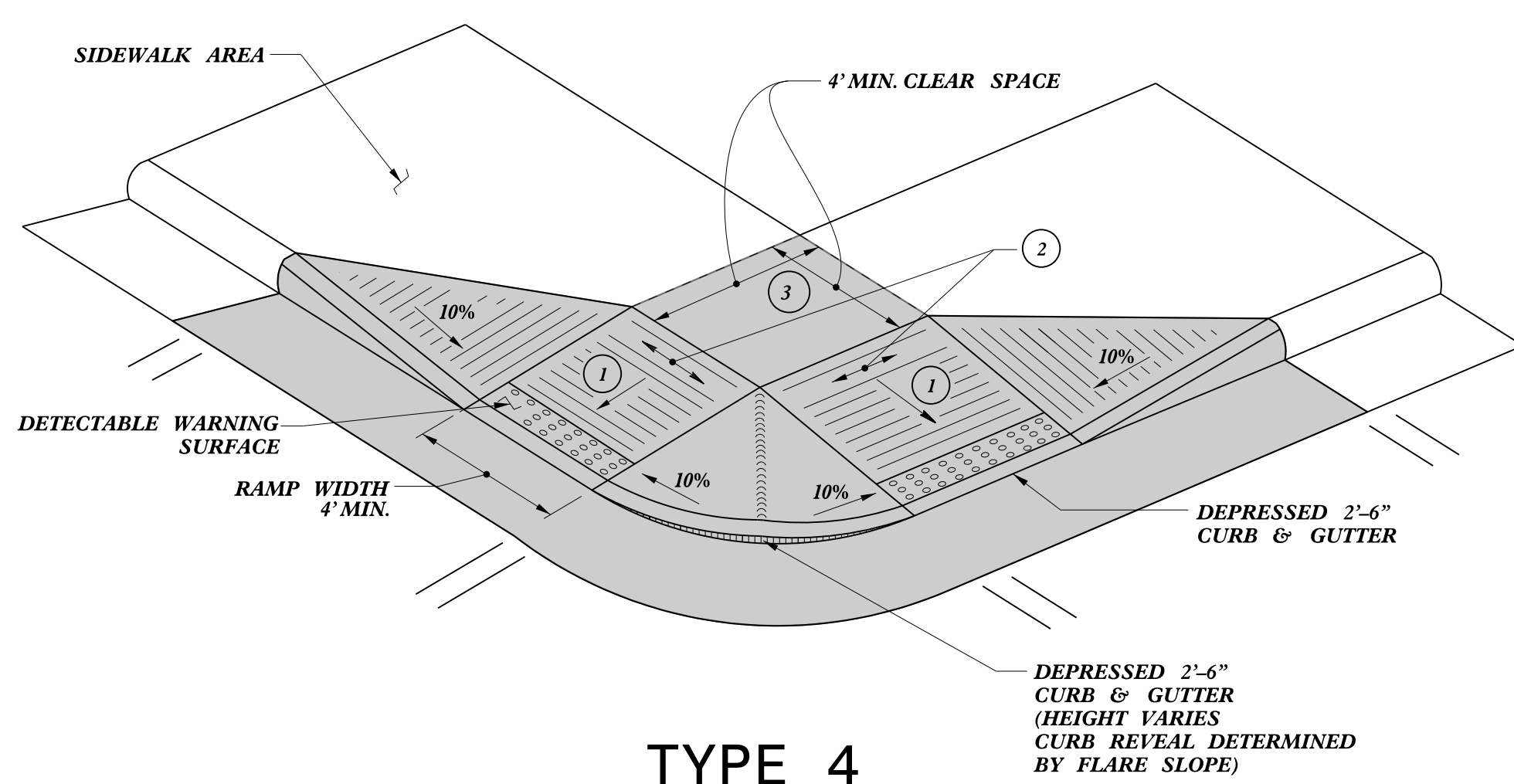
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Nicole M. Hickler
588432034164C5...
9/11/2025

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UNLESS ALL SIGNATURES COMPLETED

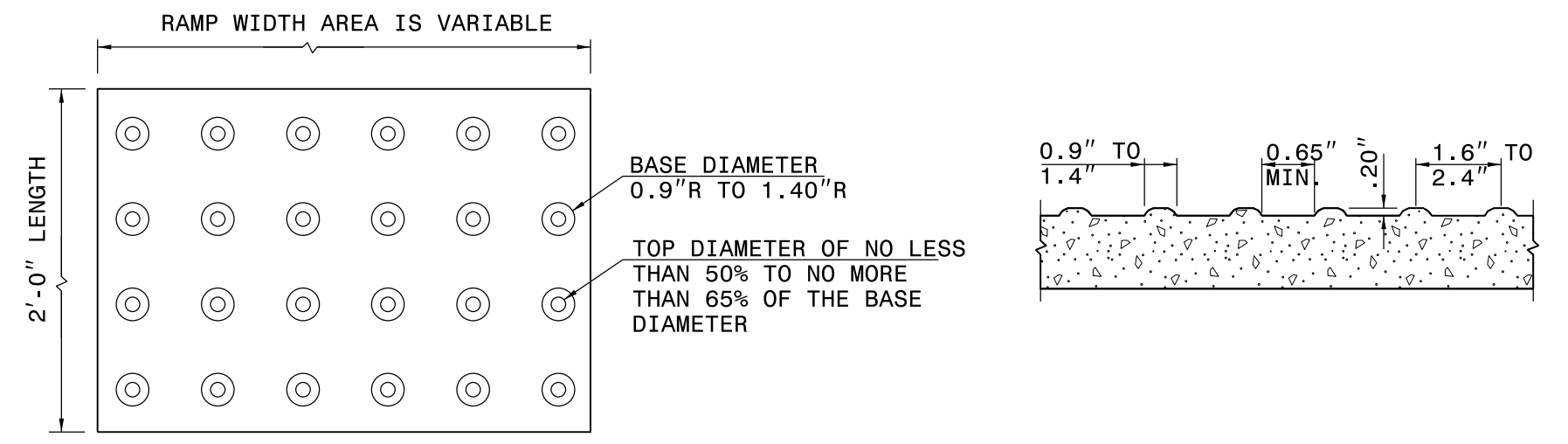
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AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

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ORIGINAL BY: S.CALHOUN DATE: 12-22-2023
 MODIFIED BY: DATE: _____
 CHECKED BY: DATE: _____
 FILE SPEC.: special_details\nmhackler\0609.dgn



NOTES:
 DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
 DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



DETECTABLE WARNING SURFACE

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%

PAY LIMITS FOR 1 OR 2 CURB RAMPS
 (CALCULATE BASED ON NUMBER OF SETS OF DETECTABLE WARNING SURFACES)

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

ROADWAY DETAIL DRAWING FOR
CURB RAMP
 SHARED LANDING



Signed by:
 Nicole M. Hackler
 5884323034164CS
 9/11/2025

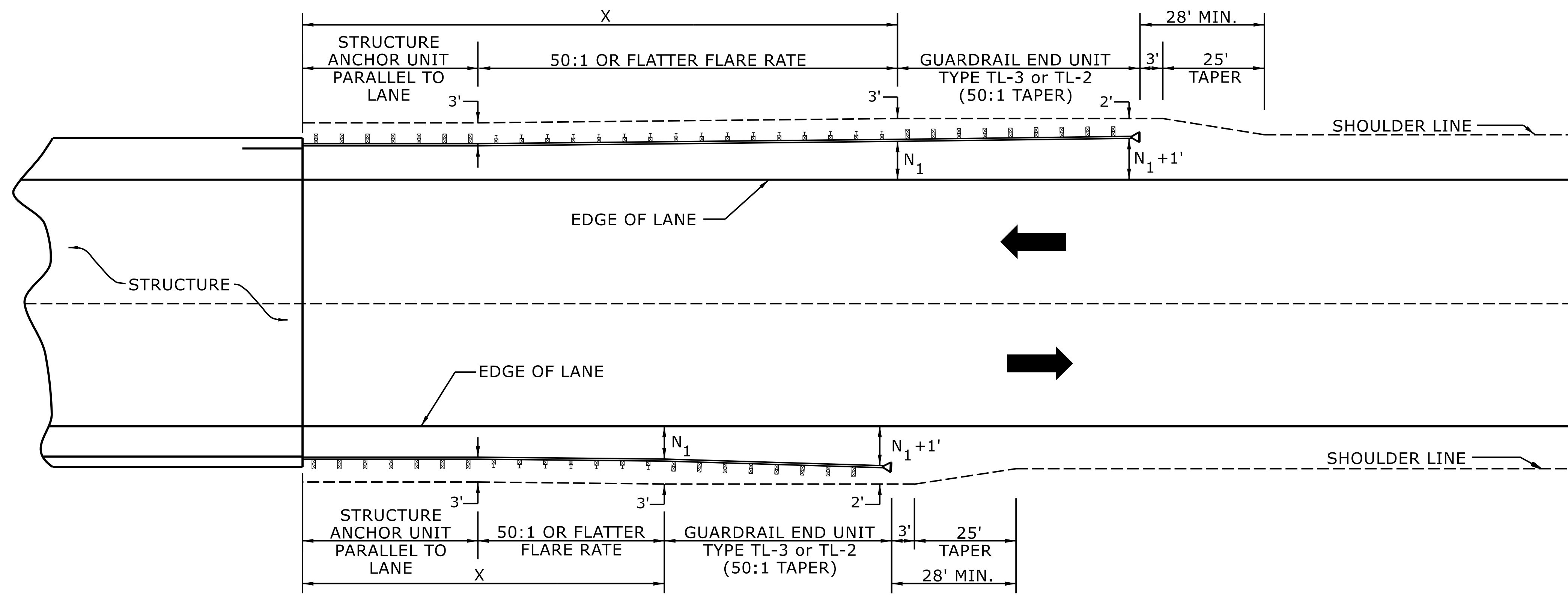
SHEET 10 OF 13
848D06

DOCUMENT NOT CONSIDERED FINAL
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CONTRACTS STANDARDS AND DEVELOPMENT UNIT
 Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN DATE: 12-22-2023
 MODIFIED BY: DATE:
 CHECKED BY: DATE:
 FILE SPEC.: special_details\nmhackler\848D0610.dgn



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

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

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT



Signed by:
Nicole M. Hackler
 58843203416ACS...
 9/11/2025

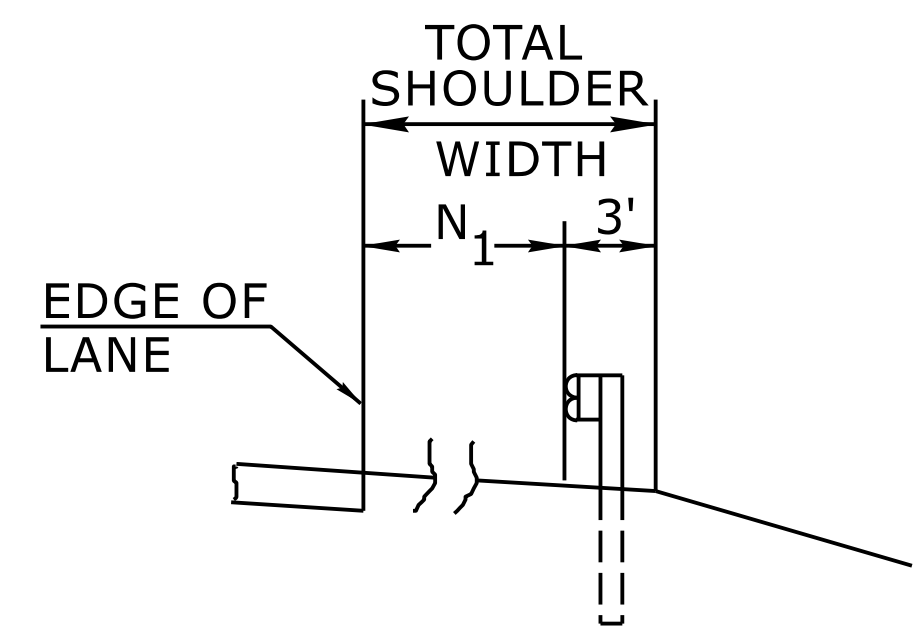
SHEET 4 OF 15
862D01

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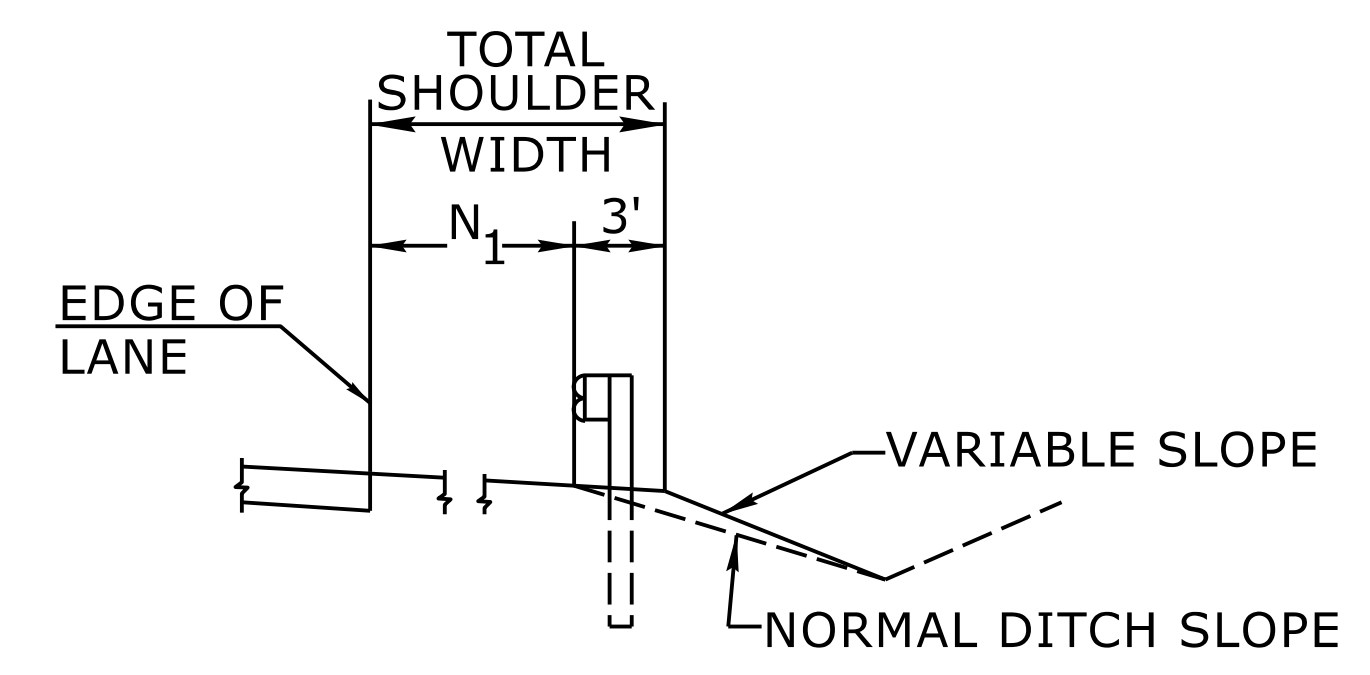
CONTRACTS STANDARDS AND DEVELOPMENT UNIT
 Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

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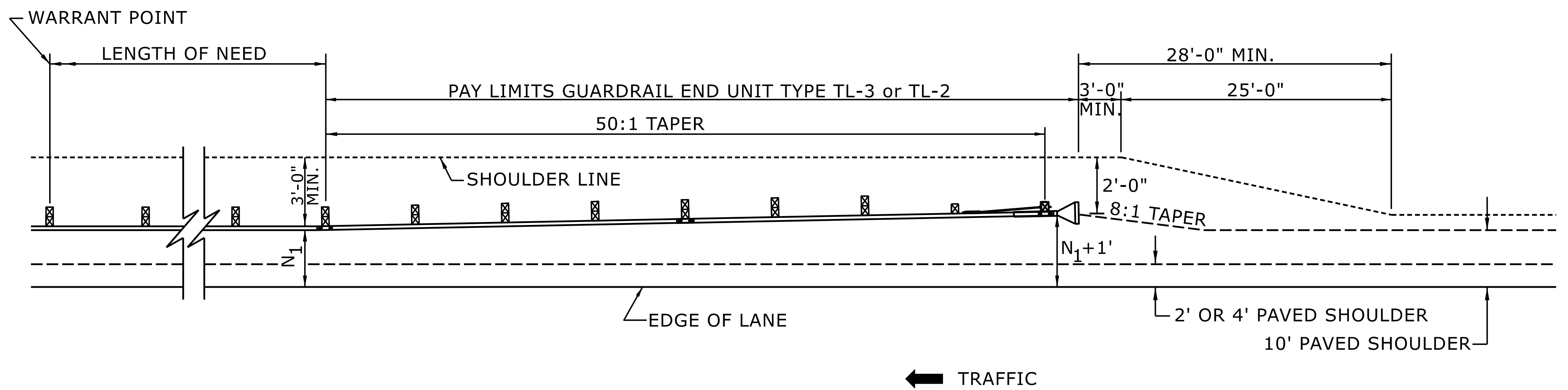


FILL SECTION



CUT SECTION

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



FOR POSTED SPEEDS ≥ 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



Signed by:
Nicole M. Hackler
 0884323034164CS...
 9/11/2025

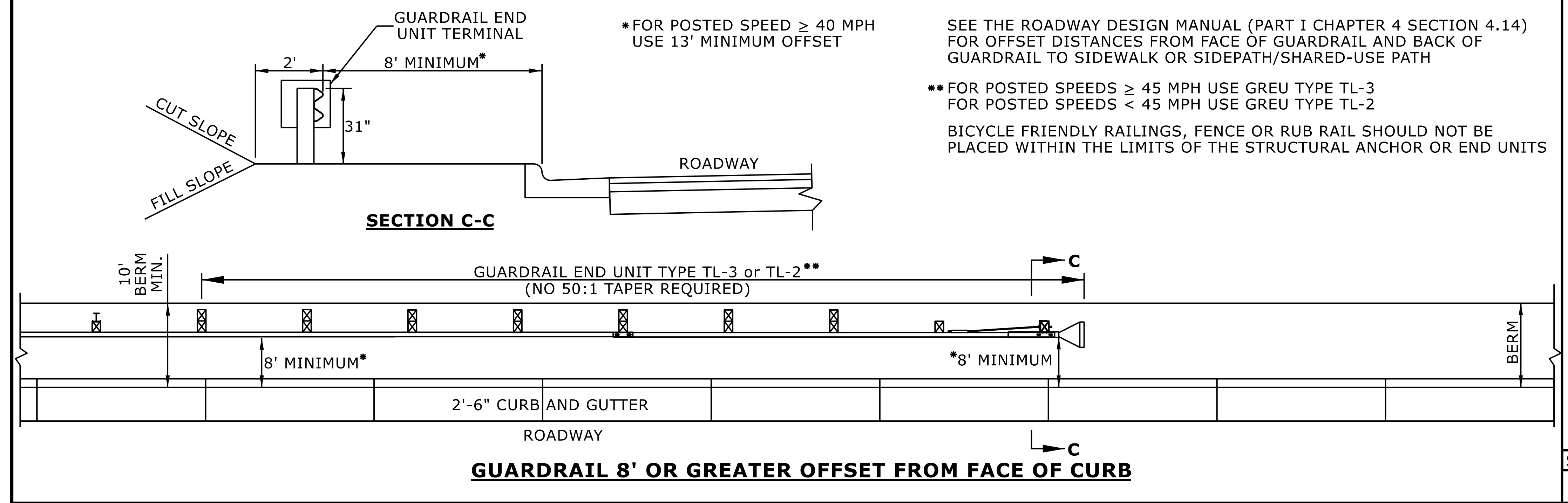
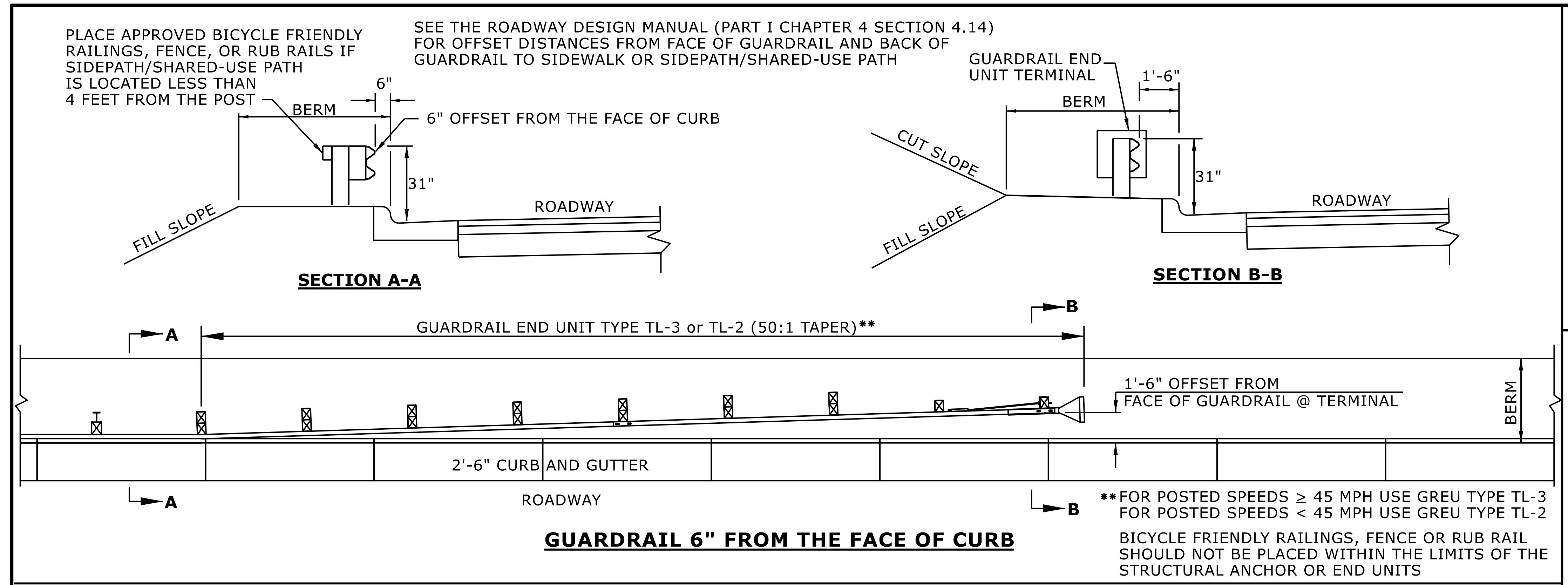
SHEET 6 OF 15
862D01

DOCUMENT NOT CONSIDERED FINAL
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**CONTRACTS STANDARDS
 AND DEVELOPMENT UNIT**
 Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
 MODIFIED BY: DATE: _____
 CHECKED BY: DATE: _____
 FILE SPEC.: _____



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

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



Signed by:
Nicole M. Hacker
588423034184CS
9/11/2025

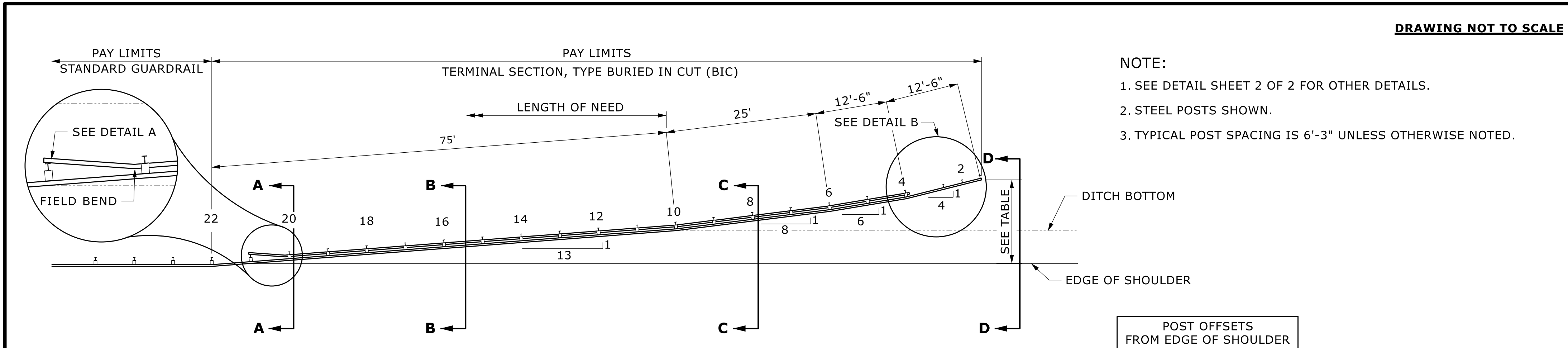
SHEET 12 OF 15
862D01

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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

SEE TITLE BLOCK

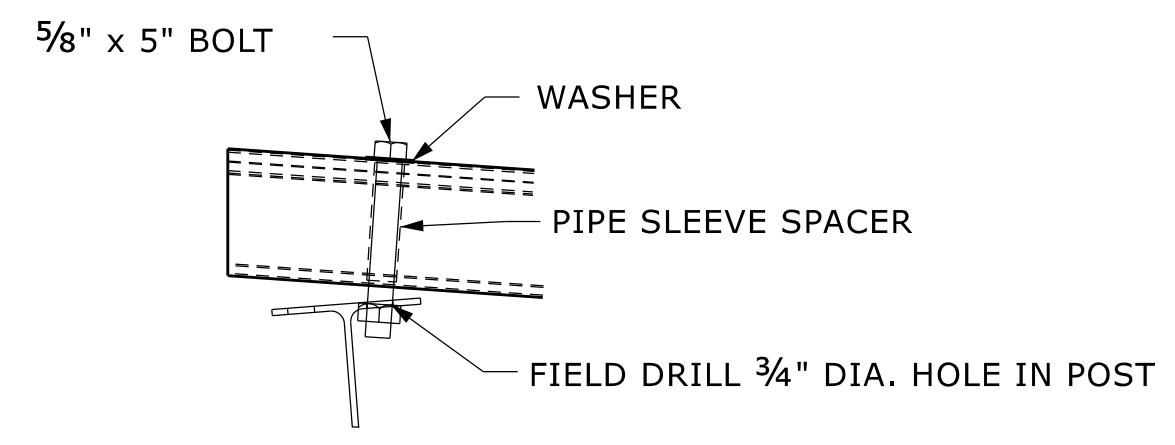
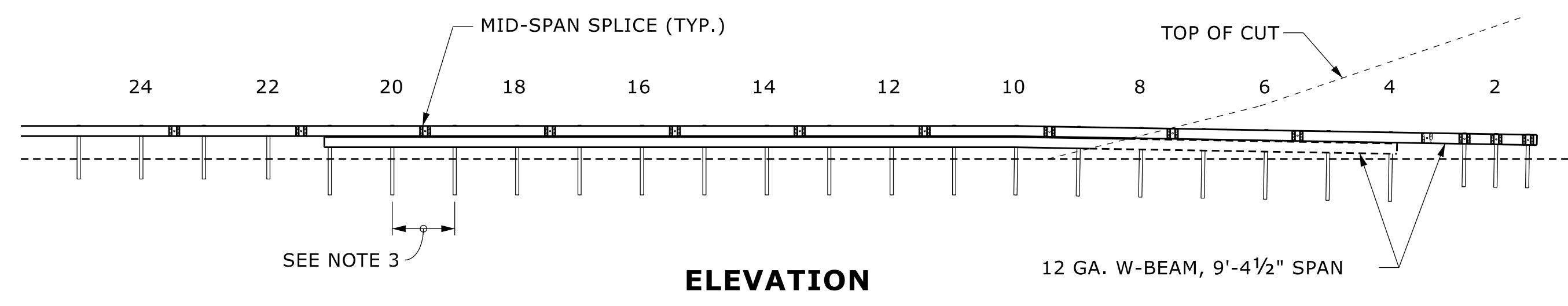
ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC.: _____



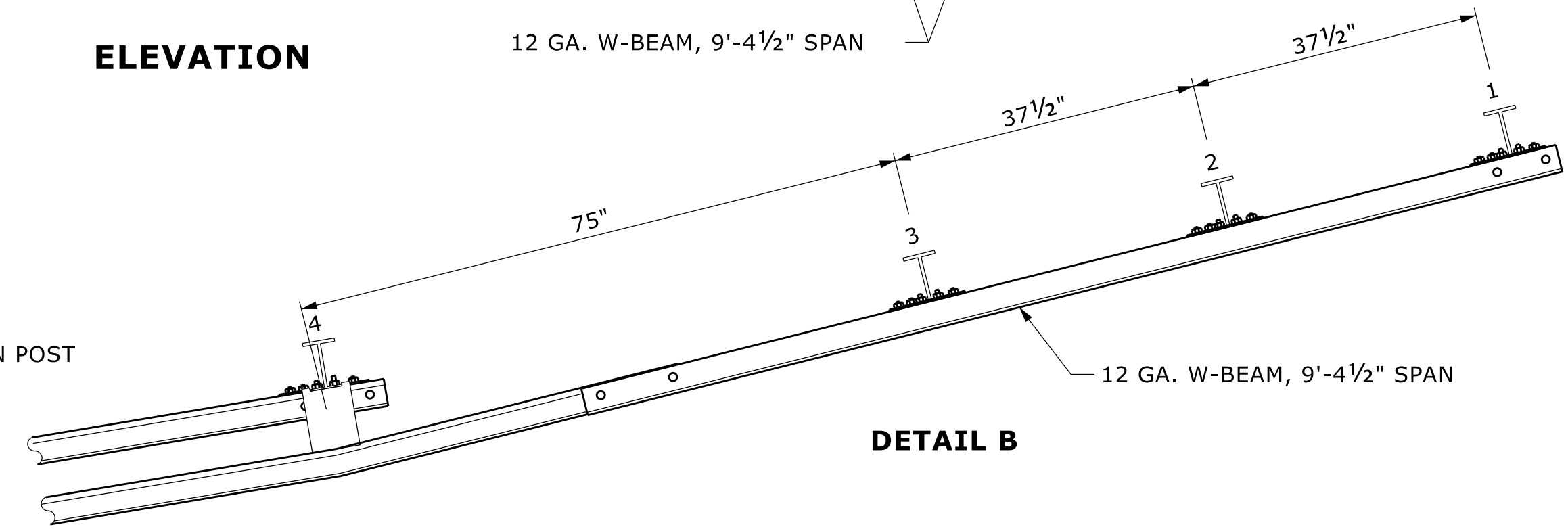
NOTE:

1. SEE DETAIL SHEET 2 OF 2 FOR OTHER DETAILS.
2. STEEL POSTS SHOWN.
3. TYPICAL POST SPACING IS 6'-3" UNLESS OTHERWISE NOTED.

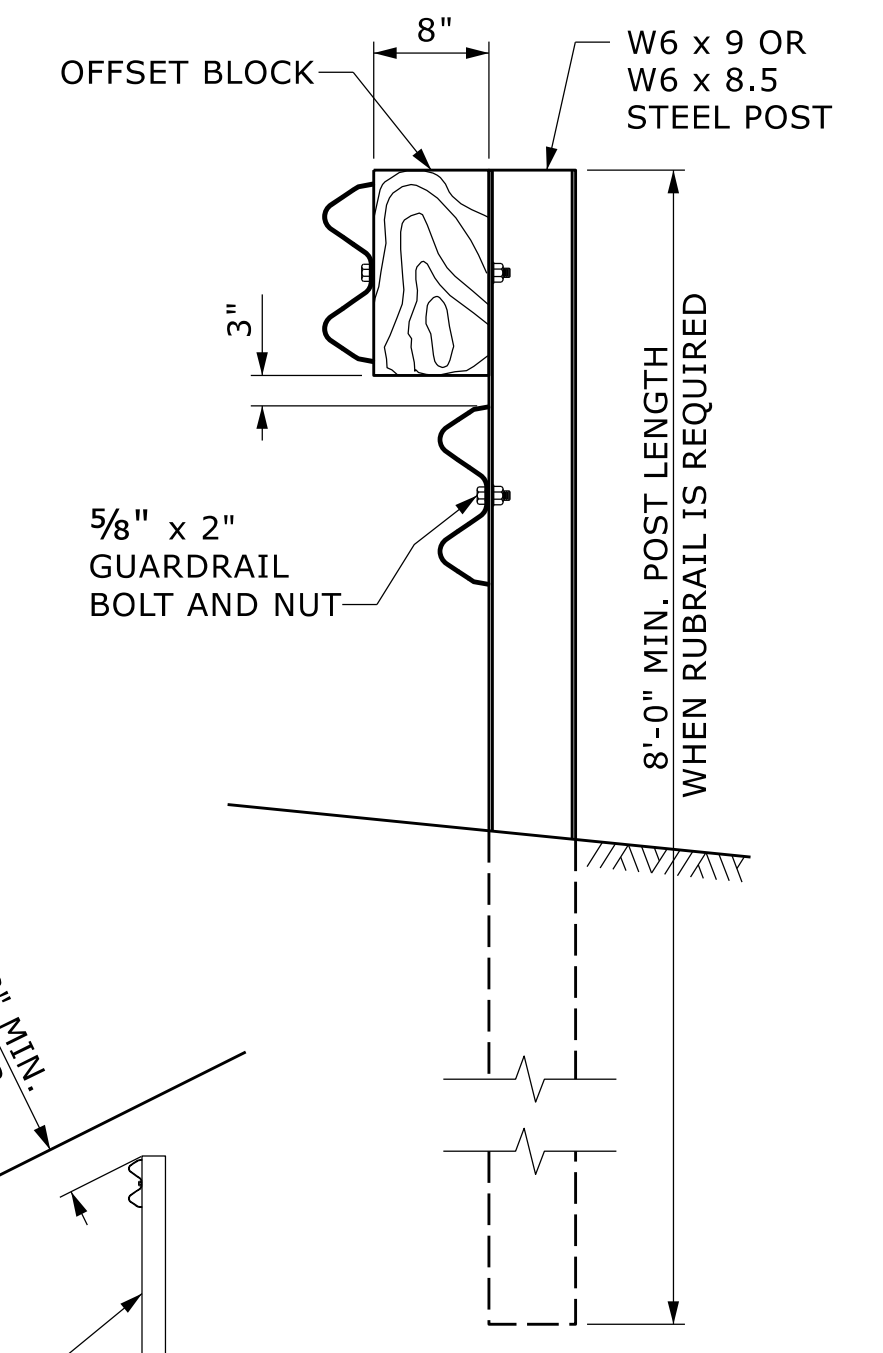
POST OFFSETS FROM EDGE OF SHOULDER	
POST	DISTANCE
1	13'-11 ³ / ₄ "
4	10'-11"
6	8'-10 ¹ / ₄ "
10	69"



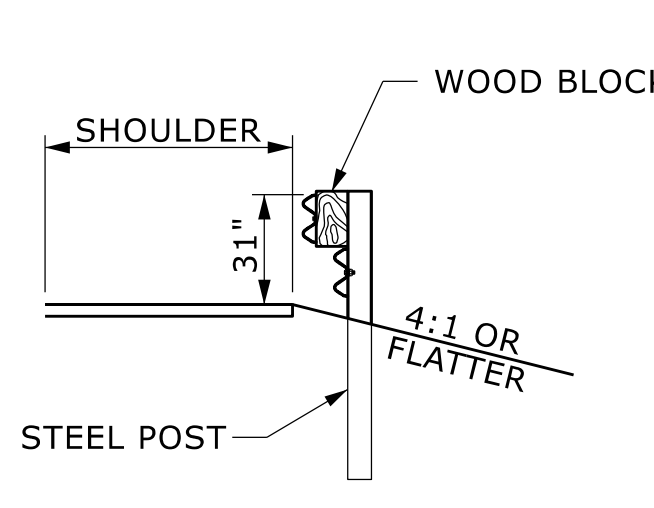
DETAIL A



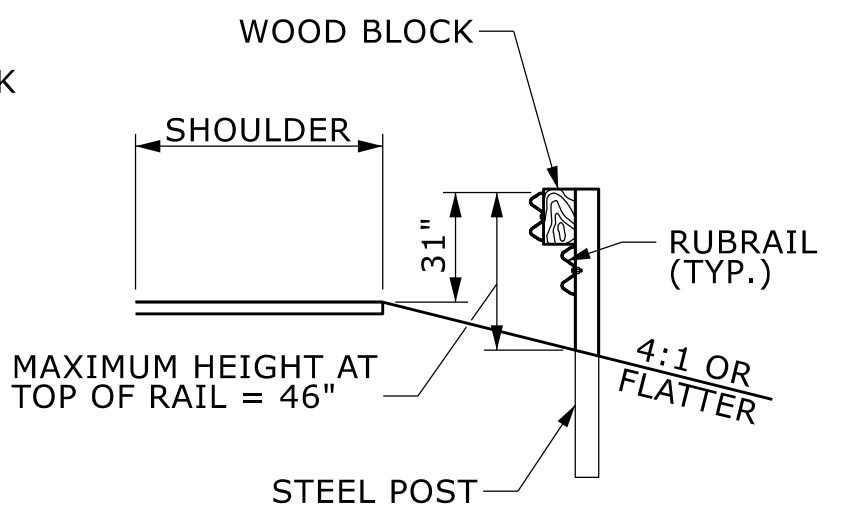
DETAIL B



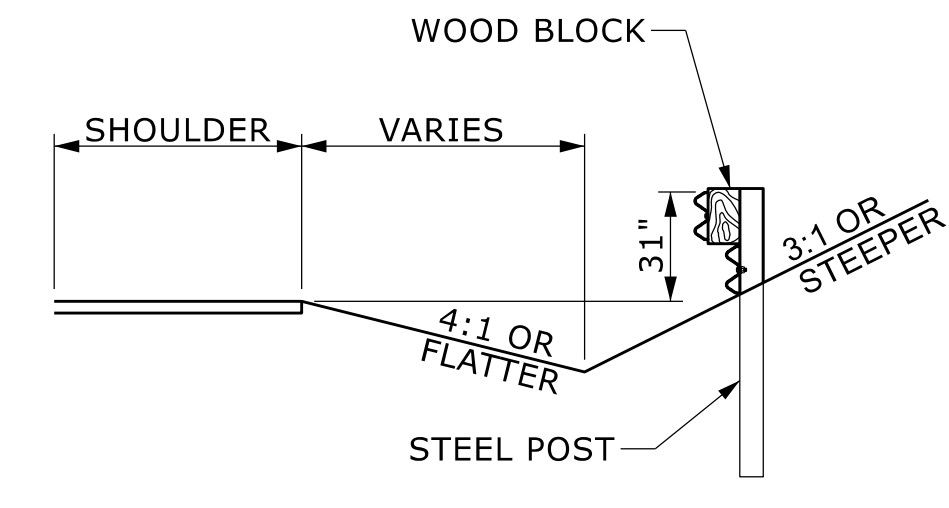
STEEL POST AND BLOCK DETAIL



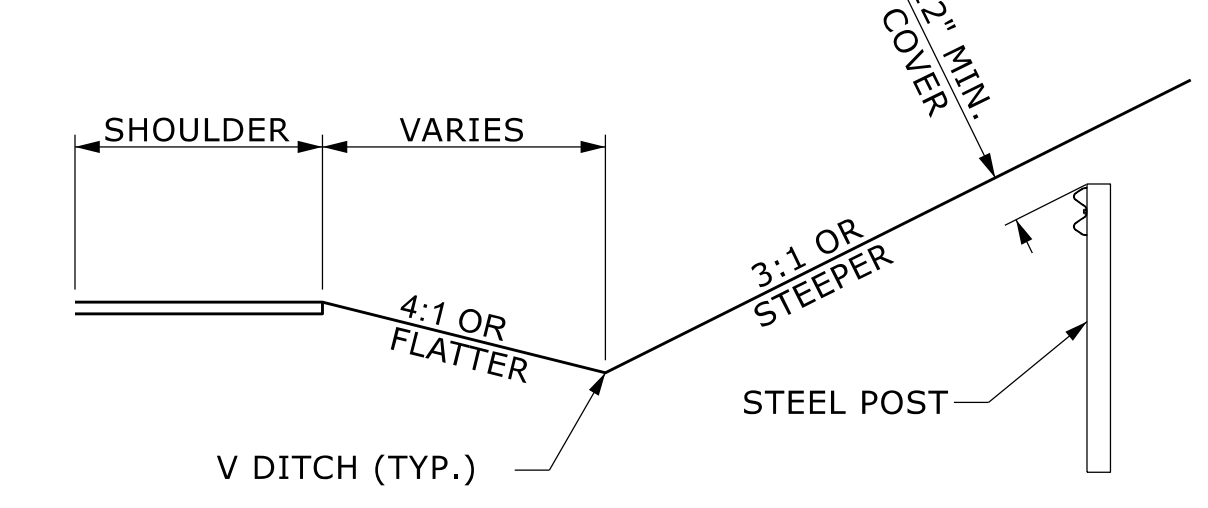
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

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

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT
BURIED IN CUT END UNIT



Signed by:
Nicole M. Hacker
588432303416AC5...
9/11/2025

SHEET 14 OF 15
862D01

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UNLESS ALL SIGNATURES COMPLETED

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

SEE TITLE BLOCK

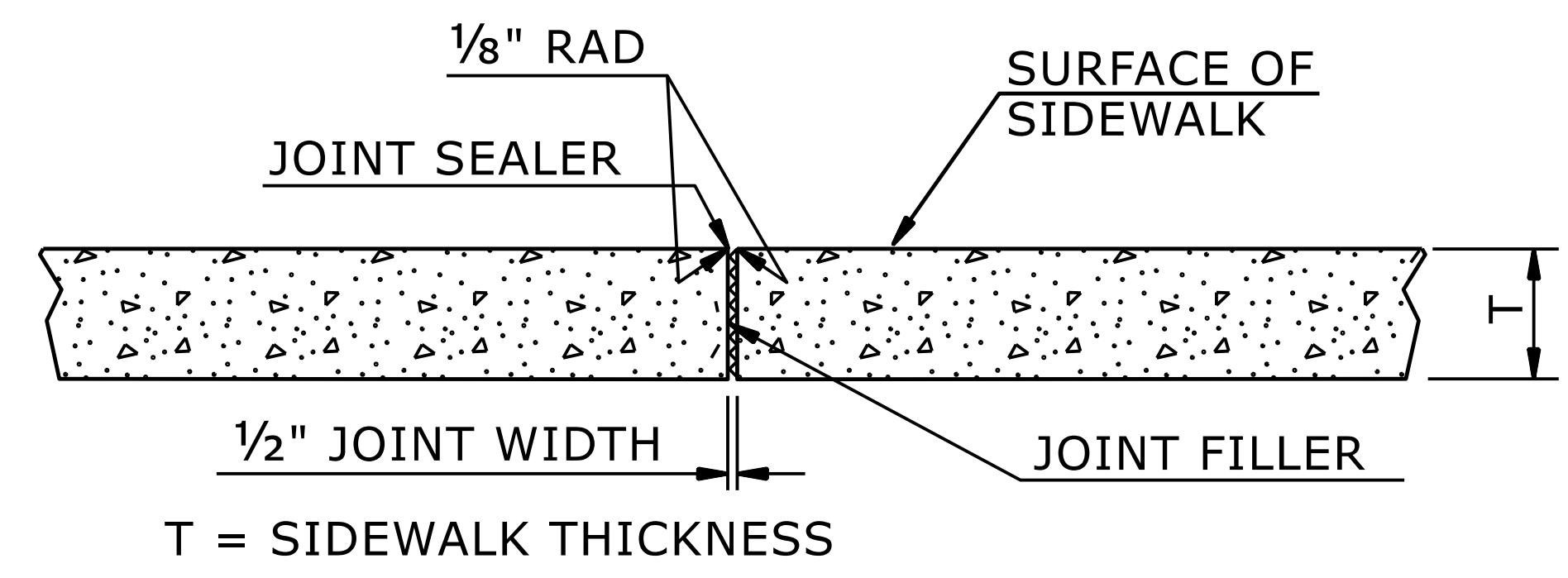
ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC.: _____

NOTES:

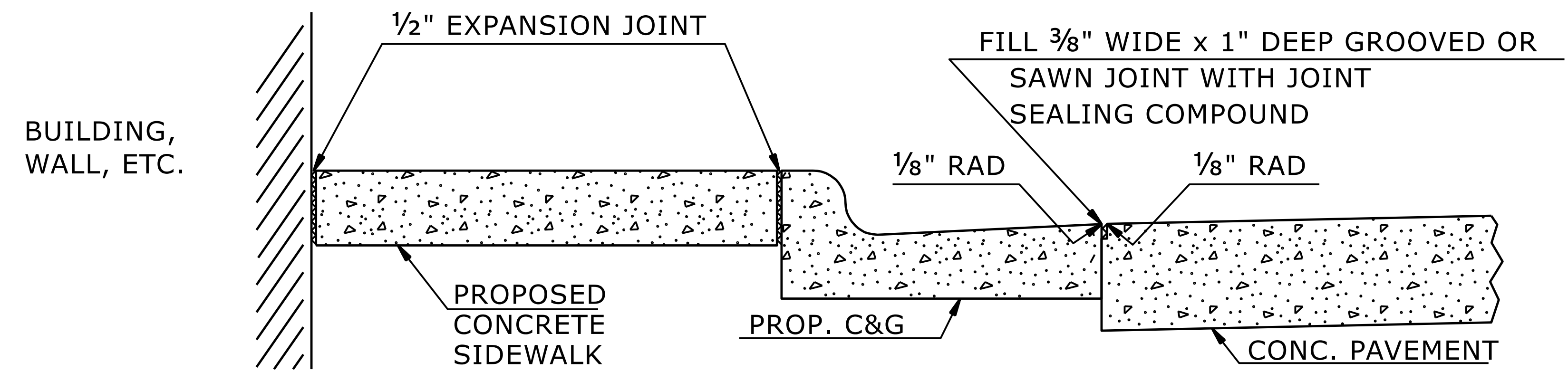
CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

PLACE A GROOVE JOINT 1" DEEP WITH 1/8" RADII IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

SEE STD. DWG. 848.06 FOR CURB RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.



TRANSVERSE EXPANSION JOINT IN SIDEWALK



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK

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

ROADWAY DETAIL DRAWING FOR
CONCRETE SIDEWALK



Signed by:
Nicole M. Hackler
088432034164CS
9/11/2025

SHEET 1 OF 1
848D01

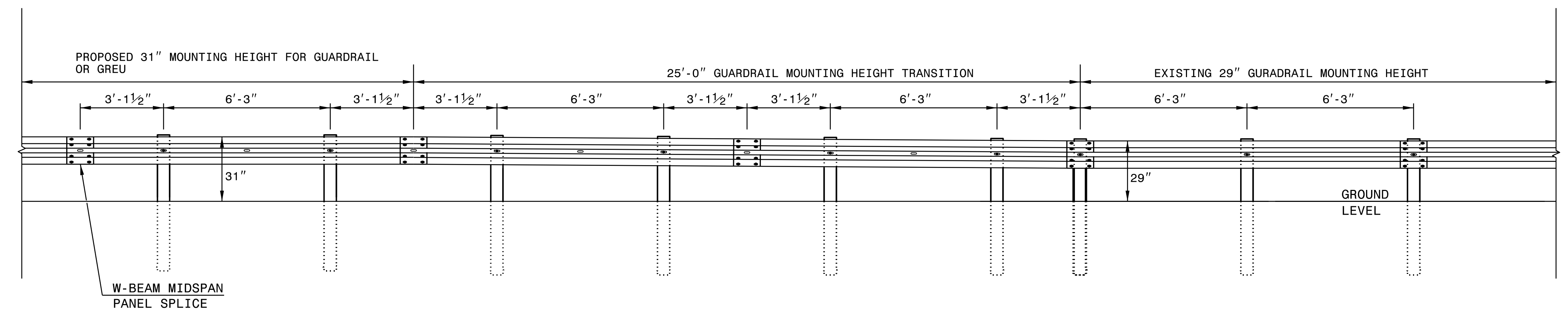
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CONTRACTS STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

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ORIGINAL BY: S.CALHOUN	DATE: 7-25-2024
MODIFIED BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
FILE SPEC.: _____	

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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DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 5 OF 9
862D02



Signed by:
Nicole M. Hacker
58843203416453

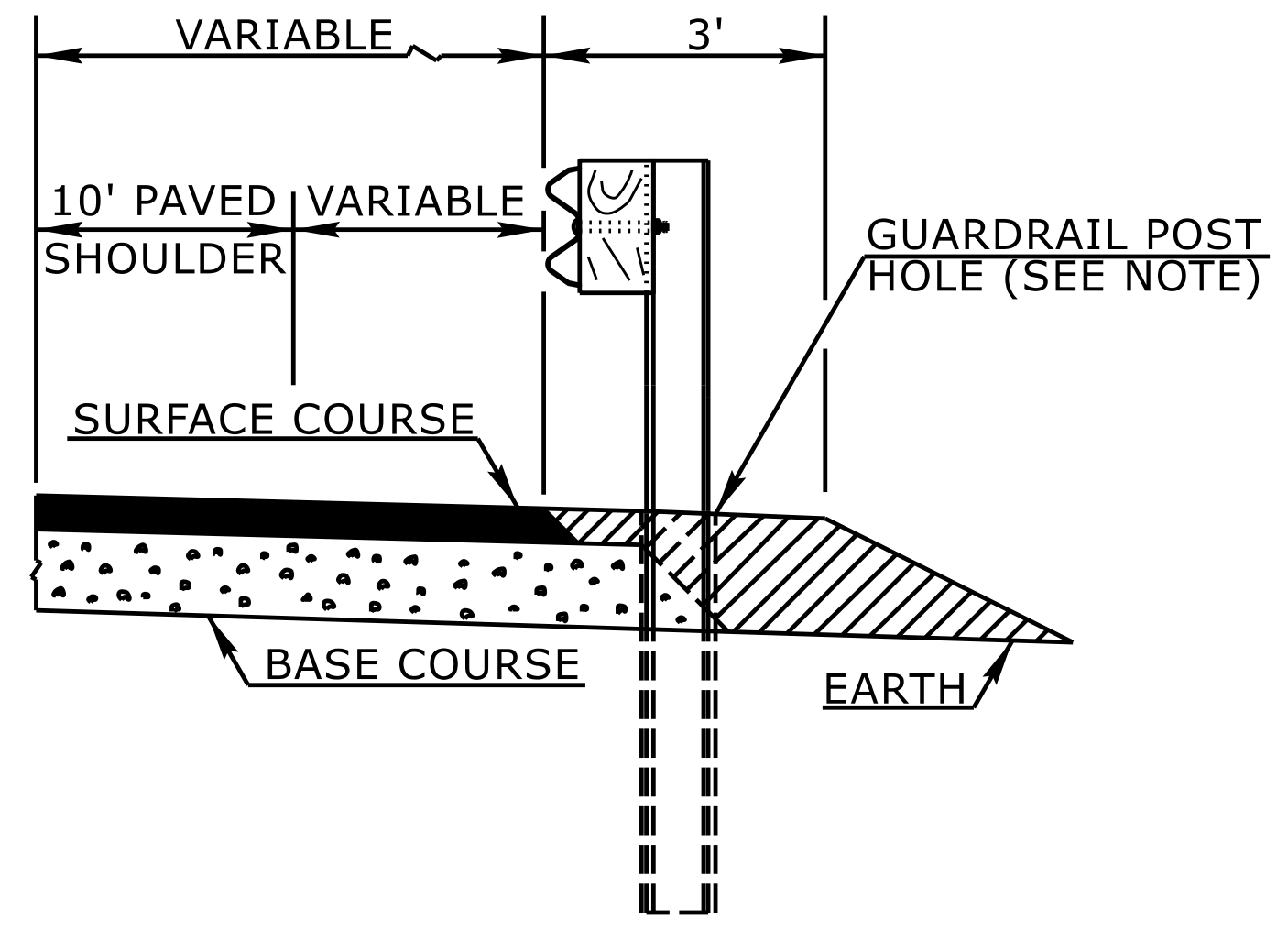
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**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
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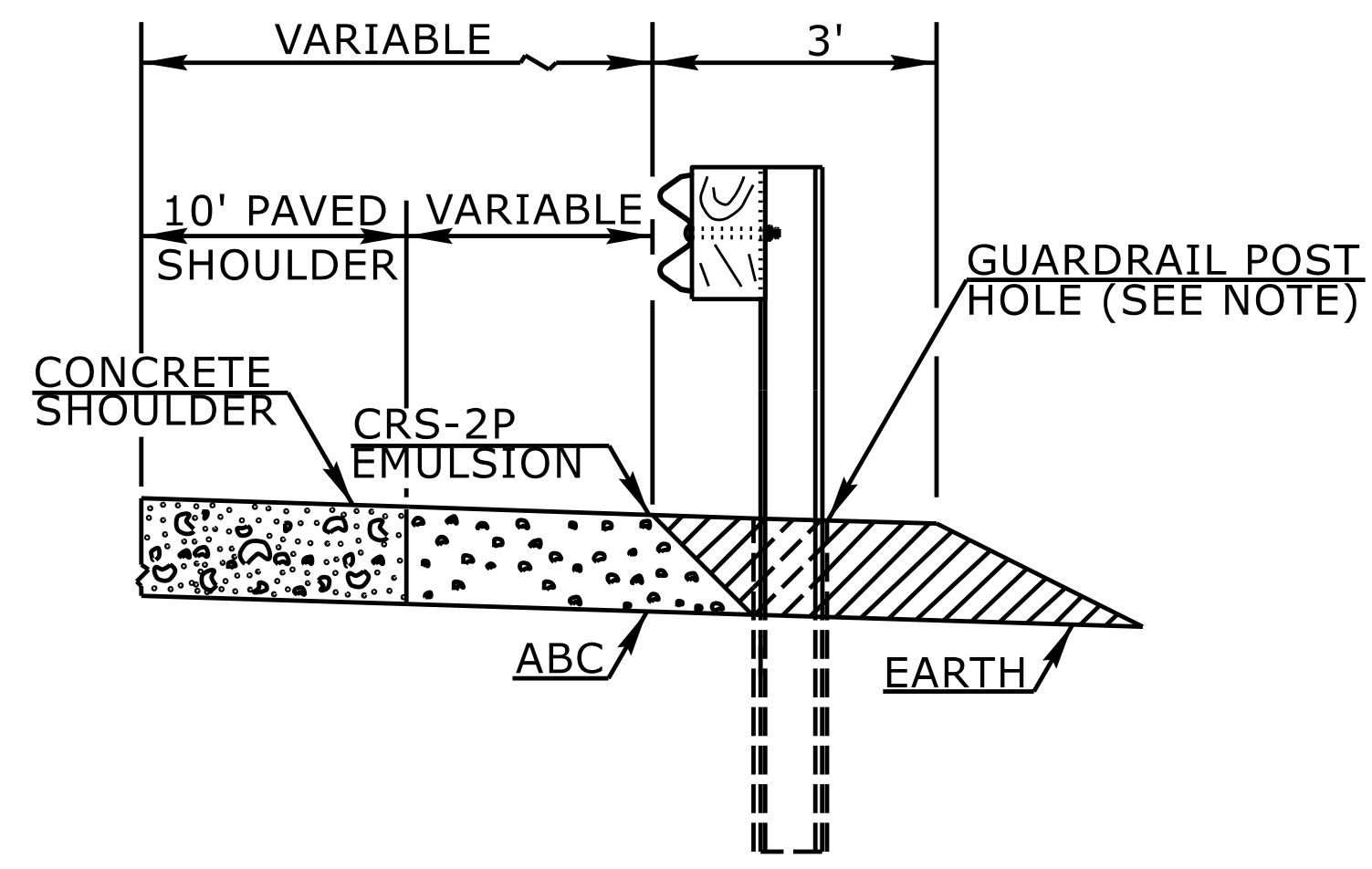
SEE TITLE BLOCK

ORIGINAL BY: K. Aldridge	DATE: 02-25
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	

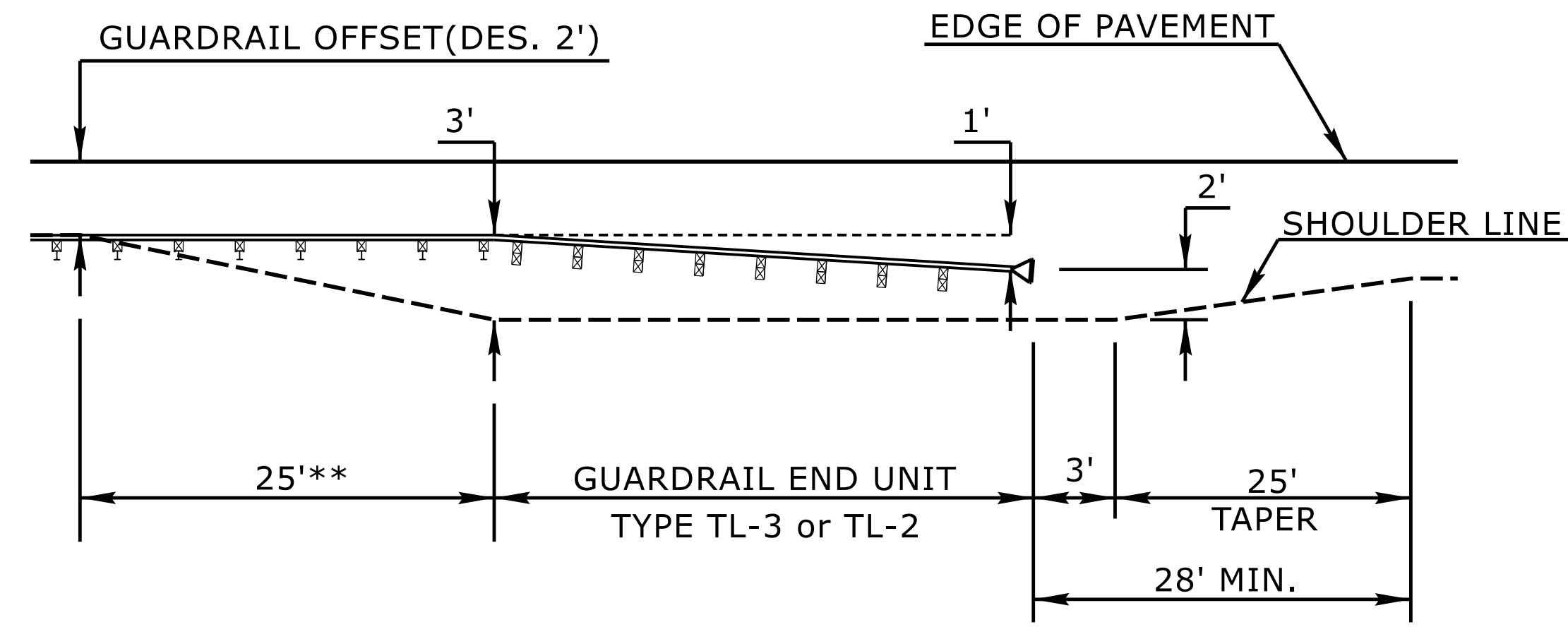
05-FEB-2025 07:53
U:\spec\of\Details\Revisions\862D02 Detail\862D02.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$



FLEXIBLE PAVED SHOULDER

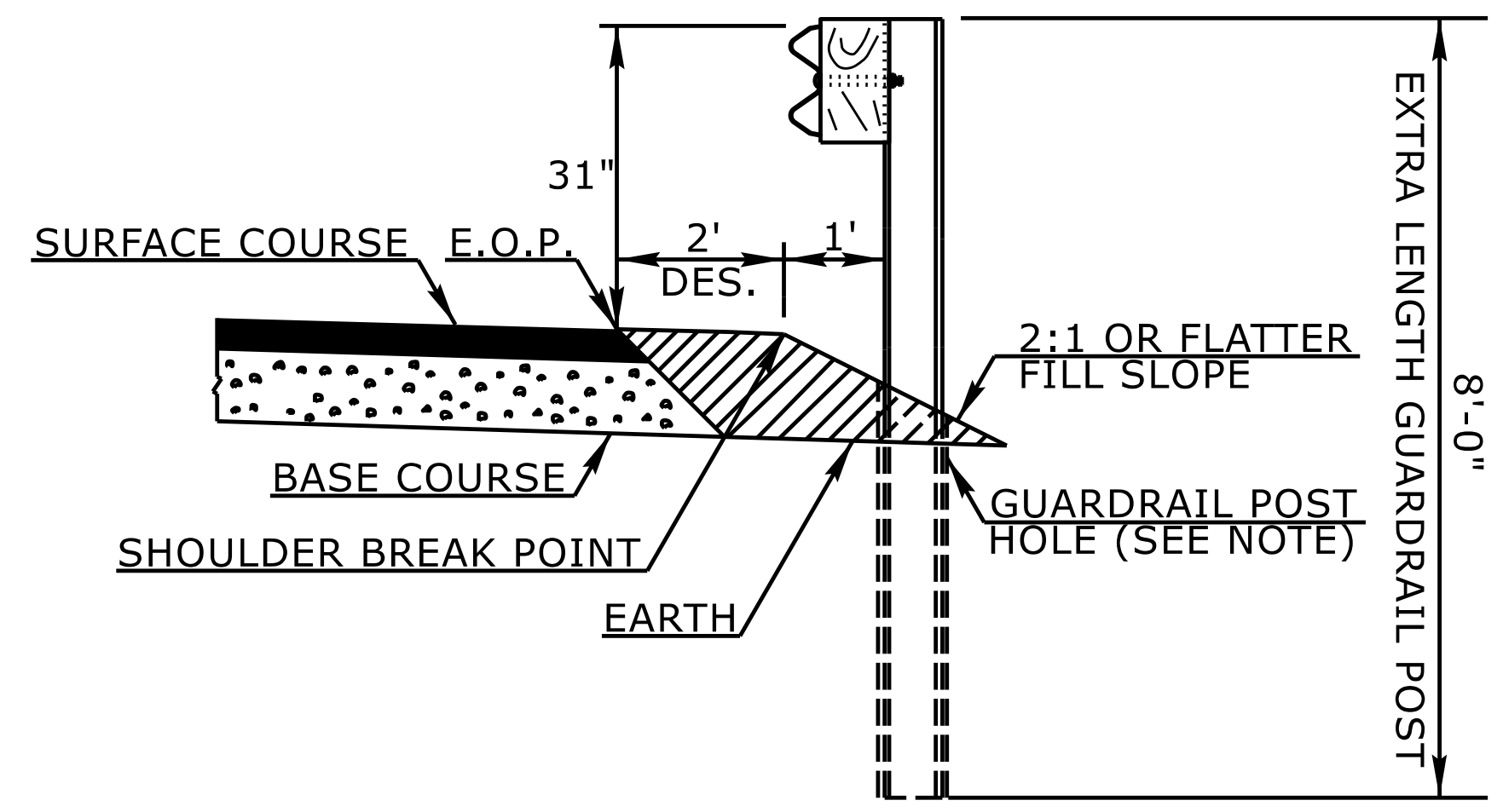


CONCRETE PAVED SHOULDER



**8' GUARDRAIL POST ON 2:1 SLOPE-END UNIT TRANSITION*
PLAN VIEW**

* THE 8' GUARDRAIL POST ON 2:1 SLOPE DETAIL IS INTENDED FOR USE ONLY IN SEVERELY CONSTRAINED AREAS WITH A POSTED SPEED ≤ 60 MPH. GUARDRAIL END UNITS MAY NOT BE PLACED ON THE 2:1 SLOPE AND MUST TRANSITION TO THE SHOULDER.
** 8' GUARDRAIL POST SHOULD BE USED IN THIS RANGE



8' GUARDRAIL POST ON 2:1 SLOPE*

NOTE:
WHEN WOODEN GUARDRAIL POSTS ARE USED, DRILL HOLES THROUGH EARTH MATERIAL AND BASE COURSE. THE POST MAY THEN BE DRIVEN TO THE PROPER DEPTH. DRILL THE HOLE OF SUFFICIENT SIZE TO ACCOMMODATE THE PARTICULAR POST BEING USED. BACKFILL AND TAMP HOLES USING THE EXCAVATED MATERIAL.

STATE OF
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RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT



4/10/2026

Signed by:
Nicole M. Hatcher
5884323034164CS

SHEET 11 OF 15
862D01

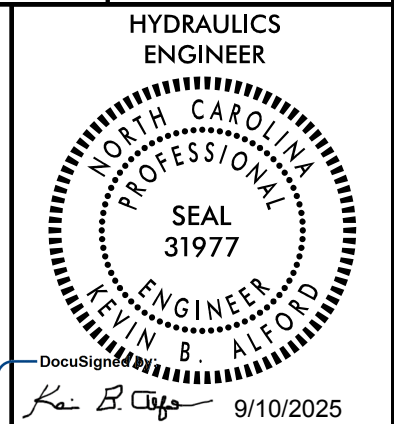
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**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: L.SMITH DATE: 10-14-2025
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: DATE:

8/17/99

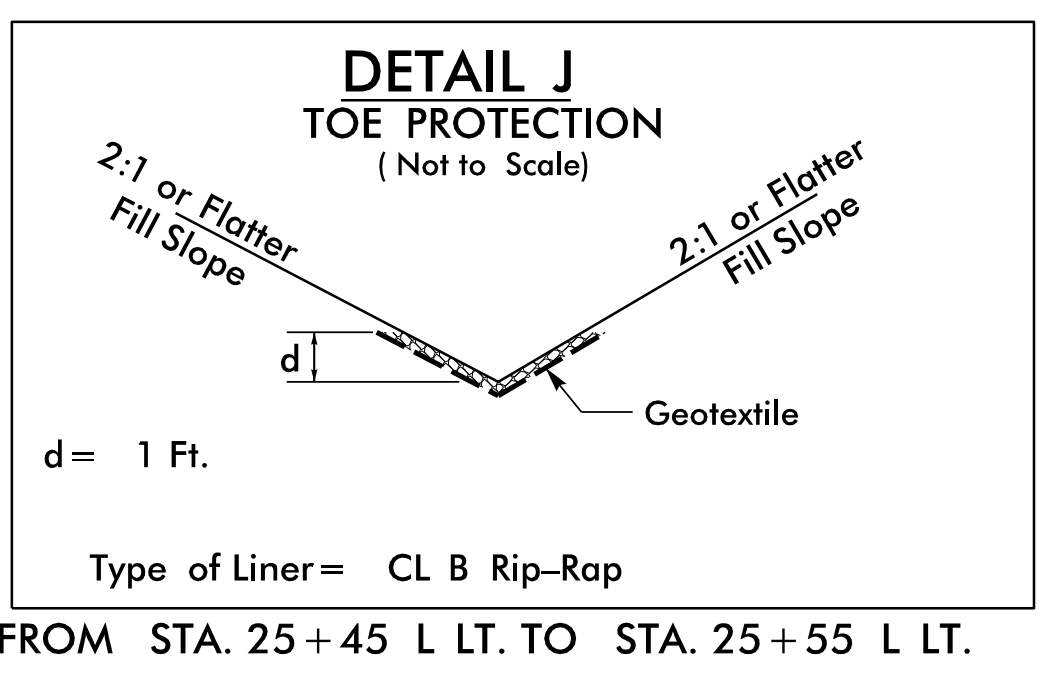
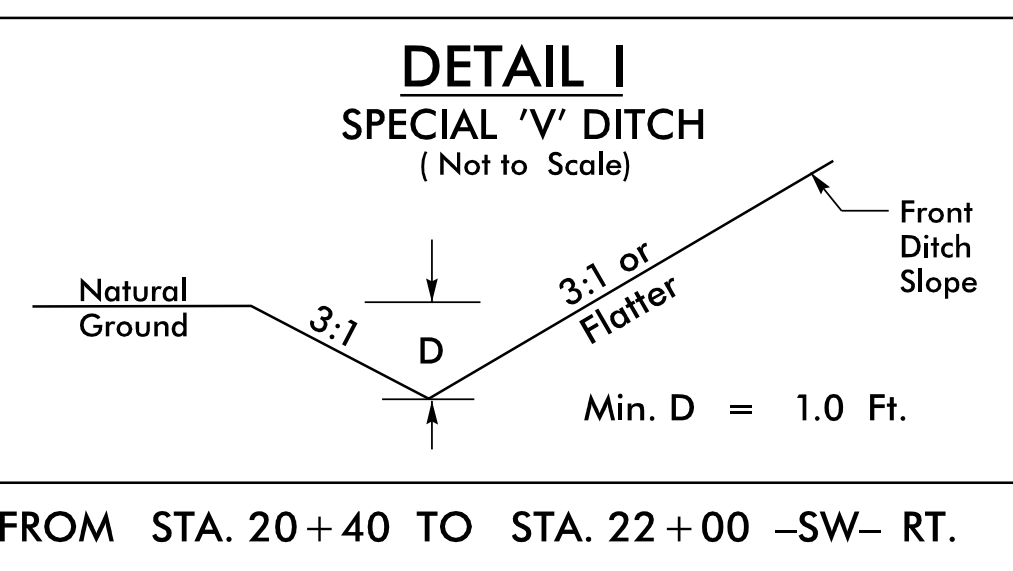
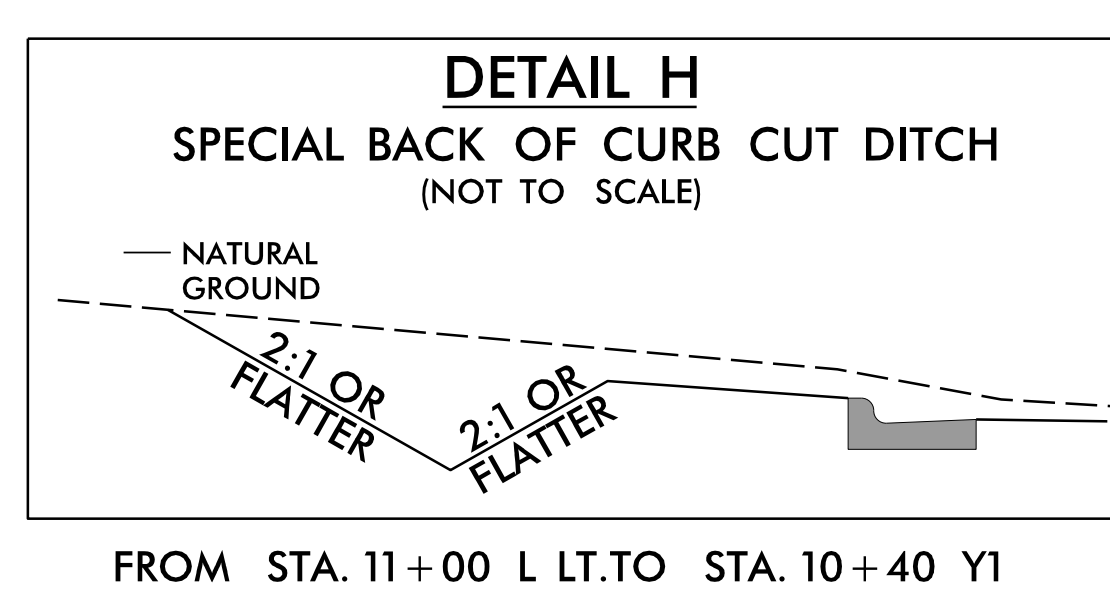
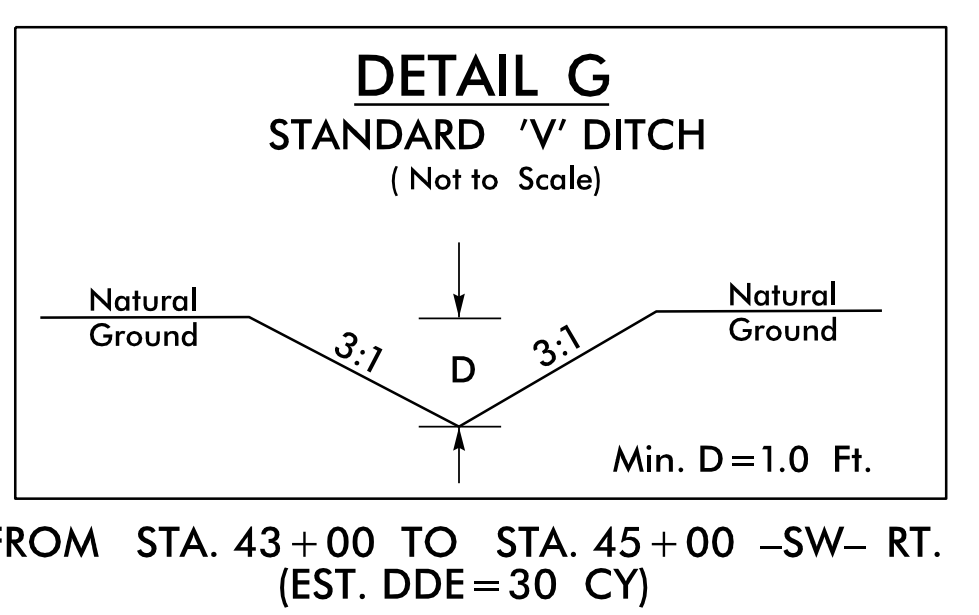
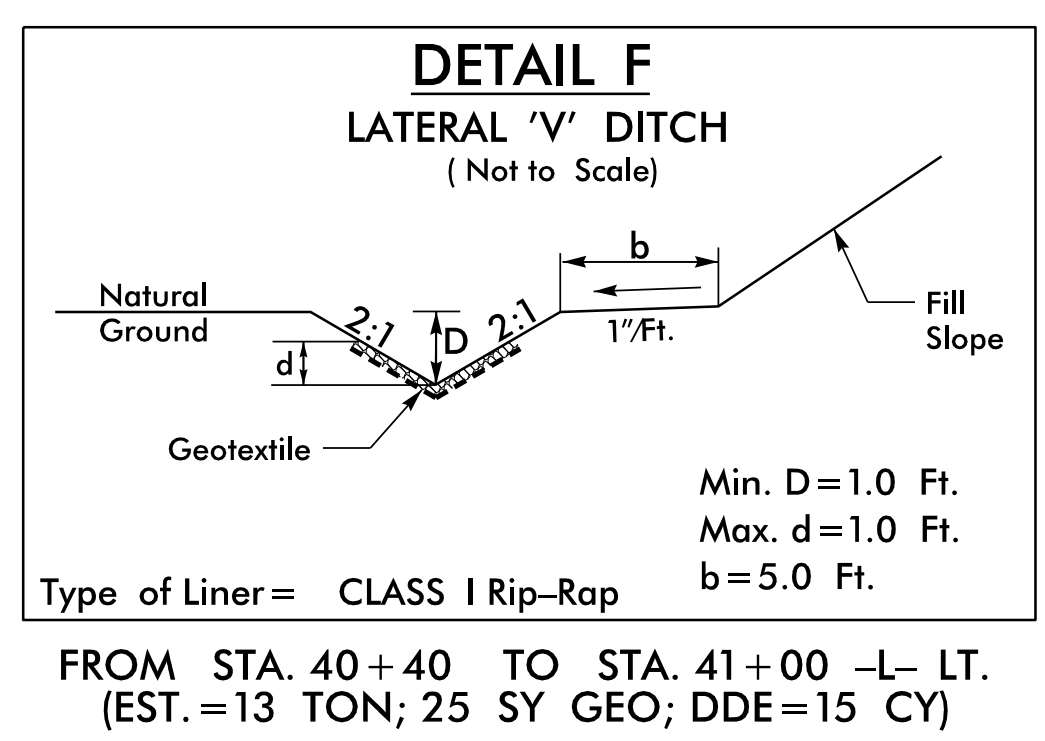
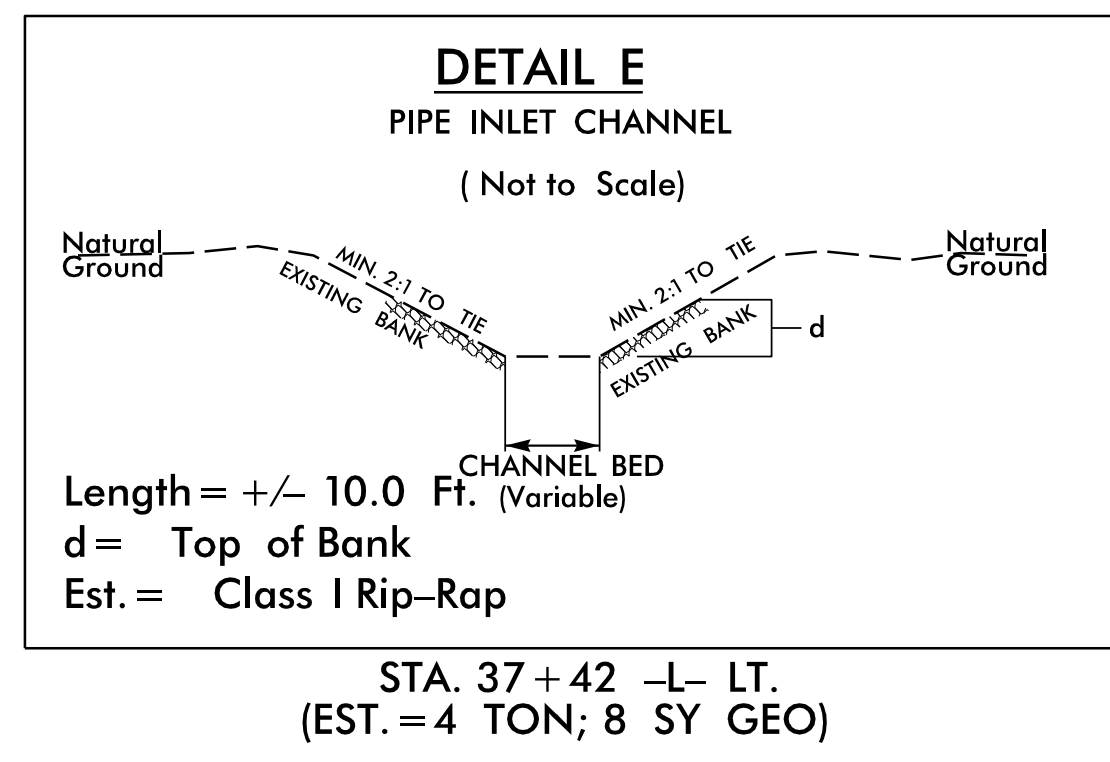
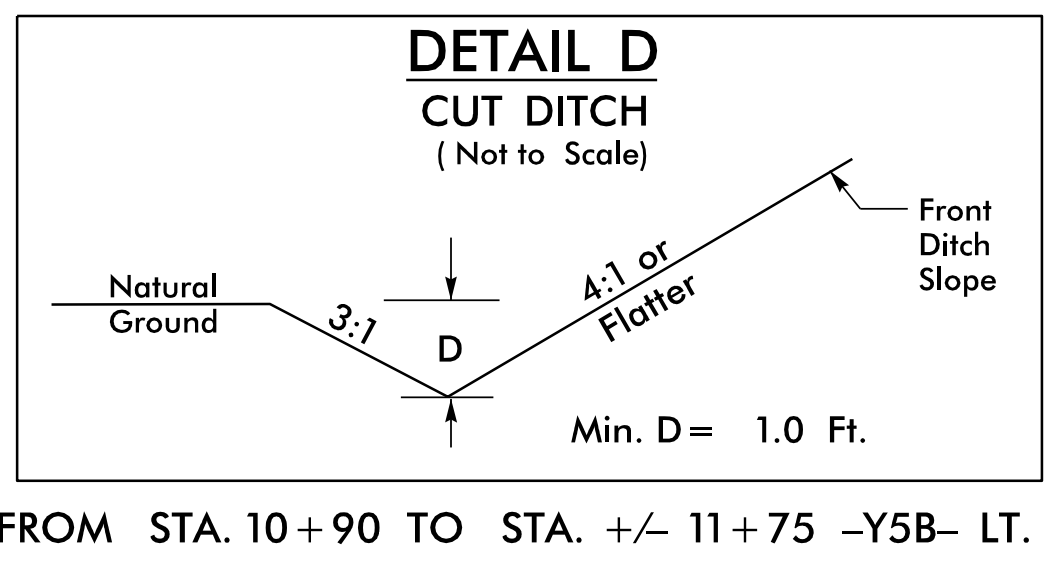
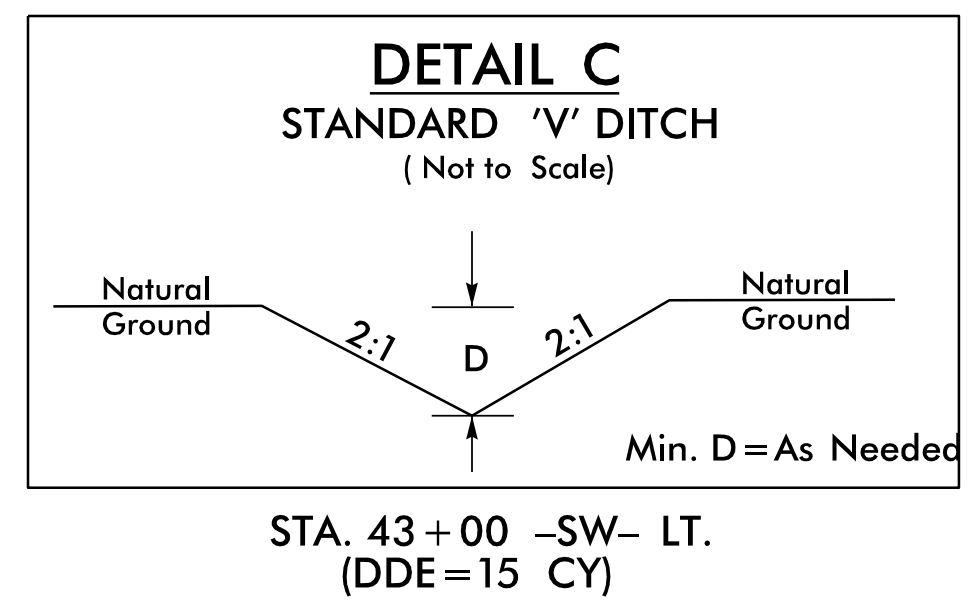
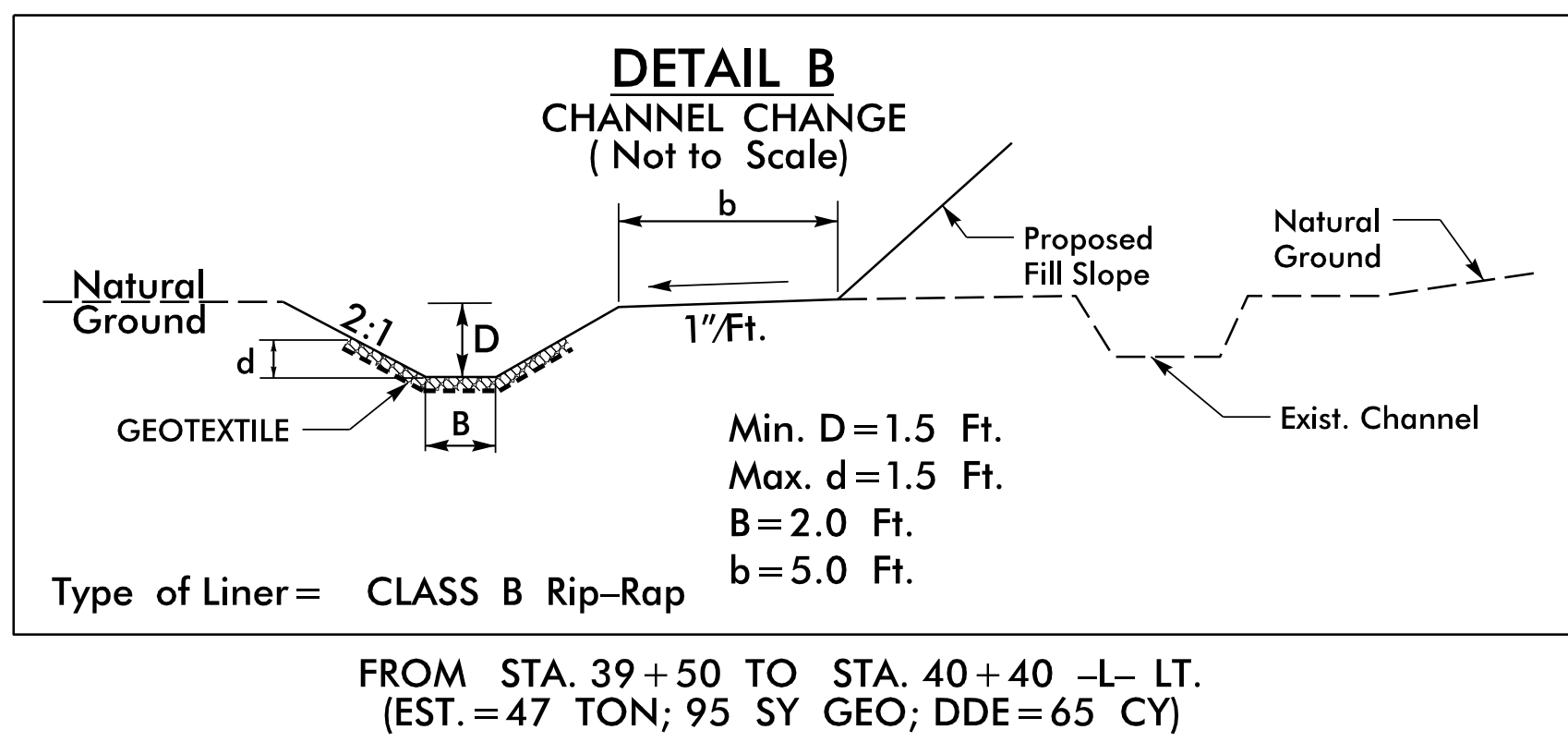
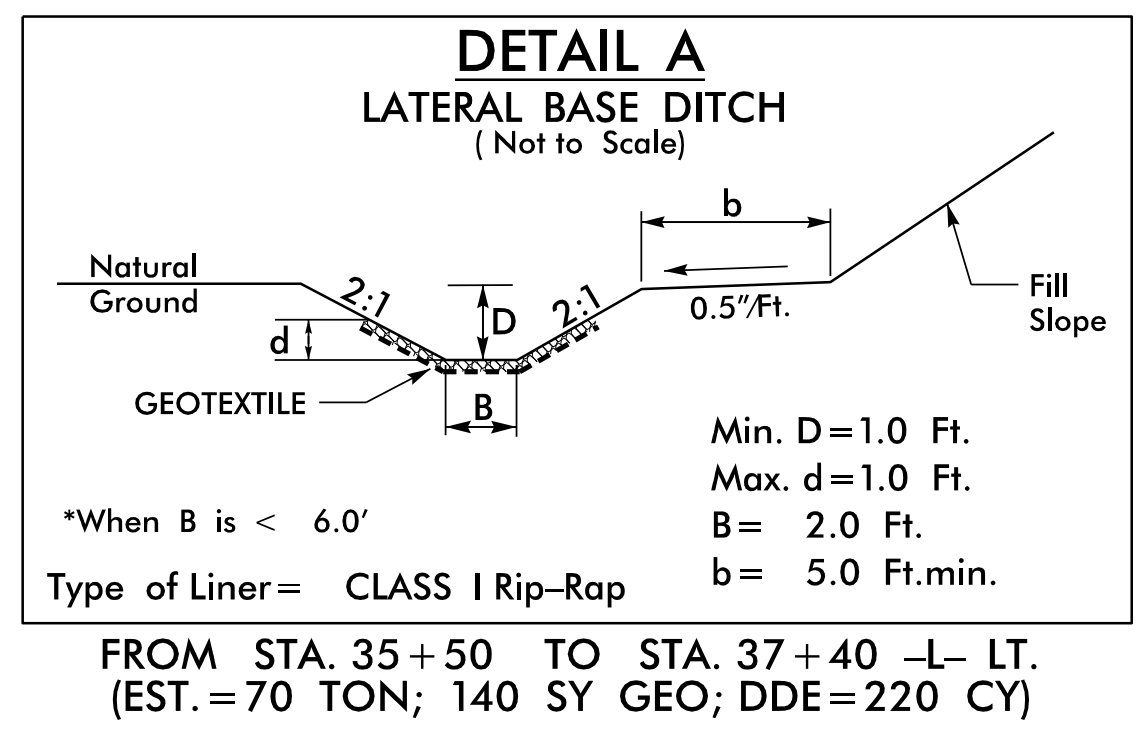


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W ETHERILL ENGINEERING
 559 Jones Franklin Rd, Suite 104
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

REVISIONS



7/30/2025
T:\3P-COVER\EB-5888.RDY_PSH_2D-1.dgn
11:56:11 AM

WEI-3UP263

COMPUTED BY: MLH DATE: 07/30/2024
CHECKED BY: KBA DATE: 07/30/2024

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. EB-5888 SHEET NO. 3D-1

Note: Invert Elevations indicated 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. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Offset, Structure Number, Drainage Pipe, C.S. Pipe, R.C. Pipe Class III, R.C. Pipe Class IV, R.C. Pipe Class V, Endwalls, Drainage Structure, Quantities for Drainage Structures, Frame, Grates, and Hood, Concrete Transitional Section, and Abbreviations. Includes a SHEET TOTALS row at the bottom.

WEI-3-UP263

COMPUTED BY: MLH DATE: 07/30/2024
CHECKED BY: KBA DATE: 07/30/2024

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. EB-5888 SHEET NO. 3D-2

Note: Invert Elevations indicated 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. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Offset, Structure Number, Drainage Pipe, C.S. Pipe, R.C. Pipe Class III, R.C. Pipe Class IV, R.C. Pipe Class V, Endwalls, Drainage Structure, Quantities for Drainage Structures, Frame, Grates, and Hood, Concrete Transitional Section, Abbreviations, and Remarks. Includes sub-totals for SHEET TOTALS and PROJECT TOTALS.

8/17/99

BEGIN PROJECT EB 5888 -L- STA. 11+00.00

-L-
 PI Sta 19+98.02
 $\Delta = 0^\circ 27' 12.2" (LT)$
 $D = 0^\circ 03' 02.8"$
 $L = 893.13'$
 $T = 446.57'$
 $R = 112,863.98'$

.....
 BM1 ELEVATION = 614.08
 N 1002575 E 1783716
 BL STATION 7+00.00 110 RIGHT
 BENCHTIE SET IN 18" OAK

PROJECT REFERENCE NO. EB-5888	SHEET NO. 4
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 559 Jones Franklin Rd. Suite 164 Raleigh, N.C. 27606 License No. E-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	

1
 CENTRAL CHRISTIAN CHURCH
 NO DEED REFERENCE
 PB 7 PG 140

2
 ROCKINGHAM COUNTY SCHOOL
 NO DEED REFERENCE
 PB 7 PG 140

3
 SPECIAL BACK OF CURB CUT DITCH
 (SEE DETAIL H)

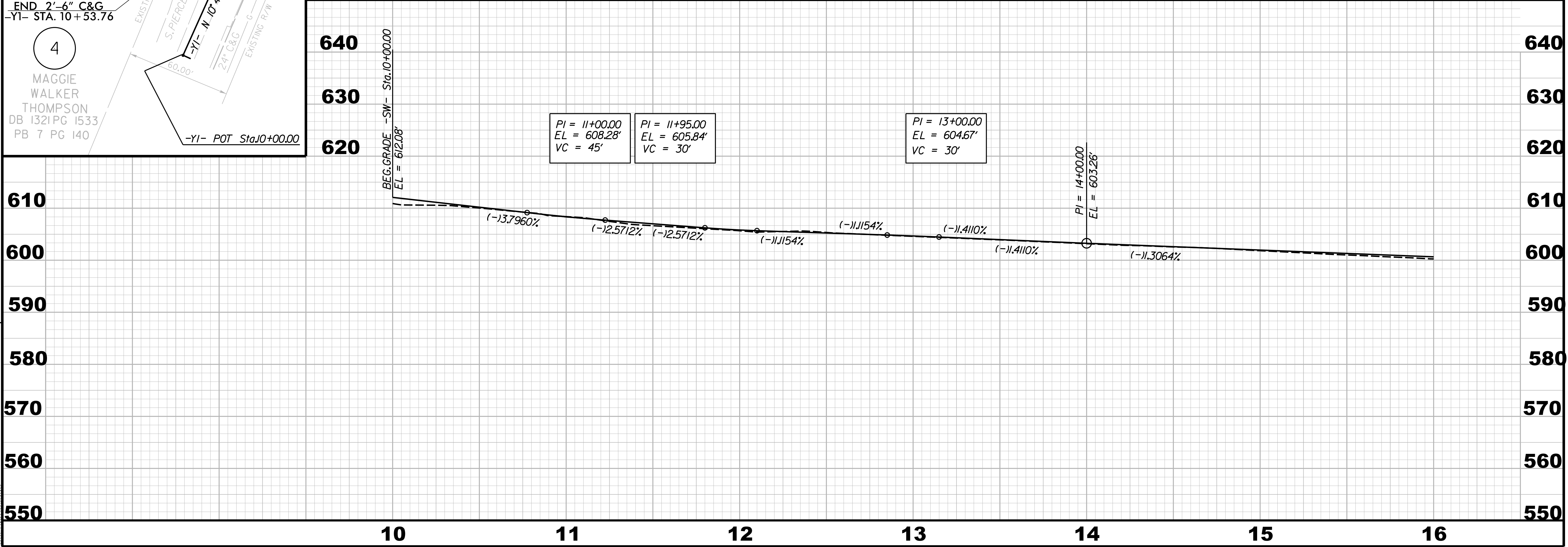
BEGIN 2'-6" C&G
 -L- STA. 11+13.97

END 2'-6" C&G
 -Y1- STA. 10+53.76

4
 MAGGIE WALKER THOMPSON
 DB 1321 PG 1533
 PB 7 PG 140

MATCHLINE
-SW- STA. 16+00.00
SEE SHEET 5

SEE SHEET 2A-2 FOR ROW STA/OFFSETS



REVISIONS

7/30/2025
T:\Projects\EB-5888_RDY_PSH_04.dgn
US:R:\Bosch

8/17/19

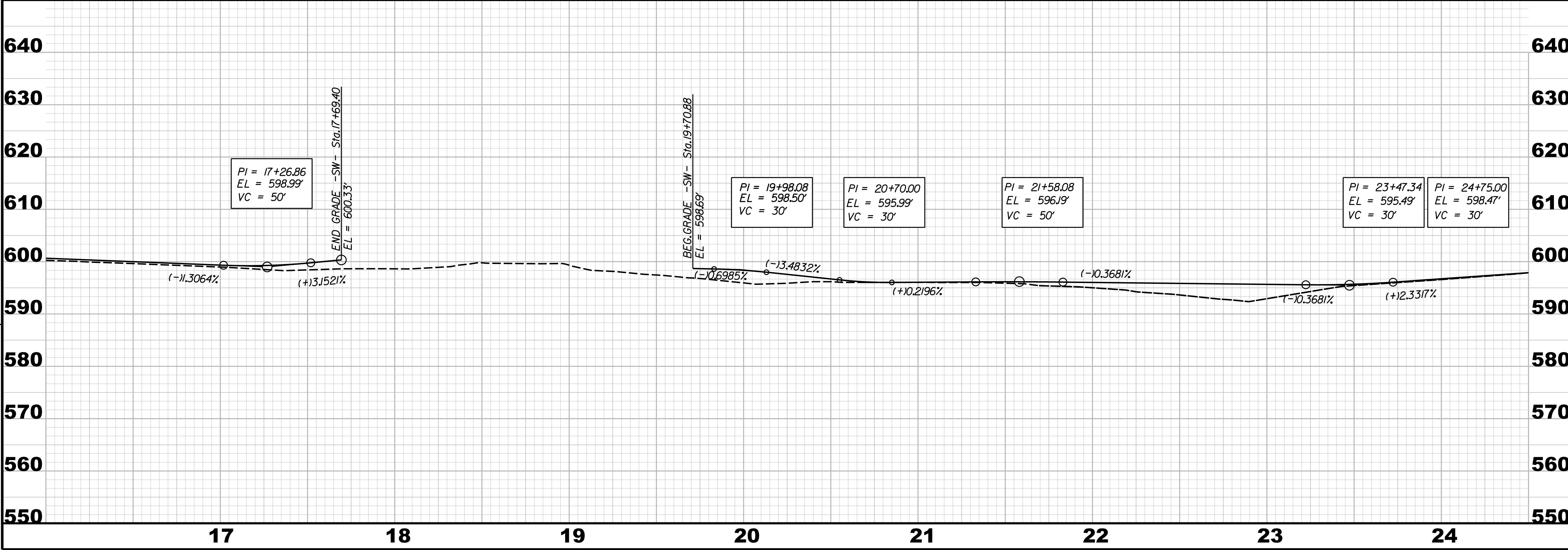
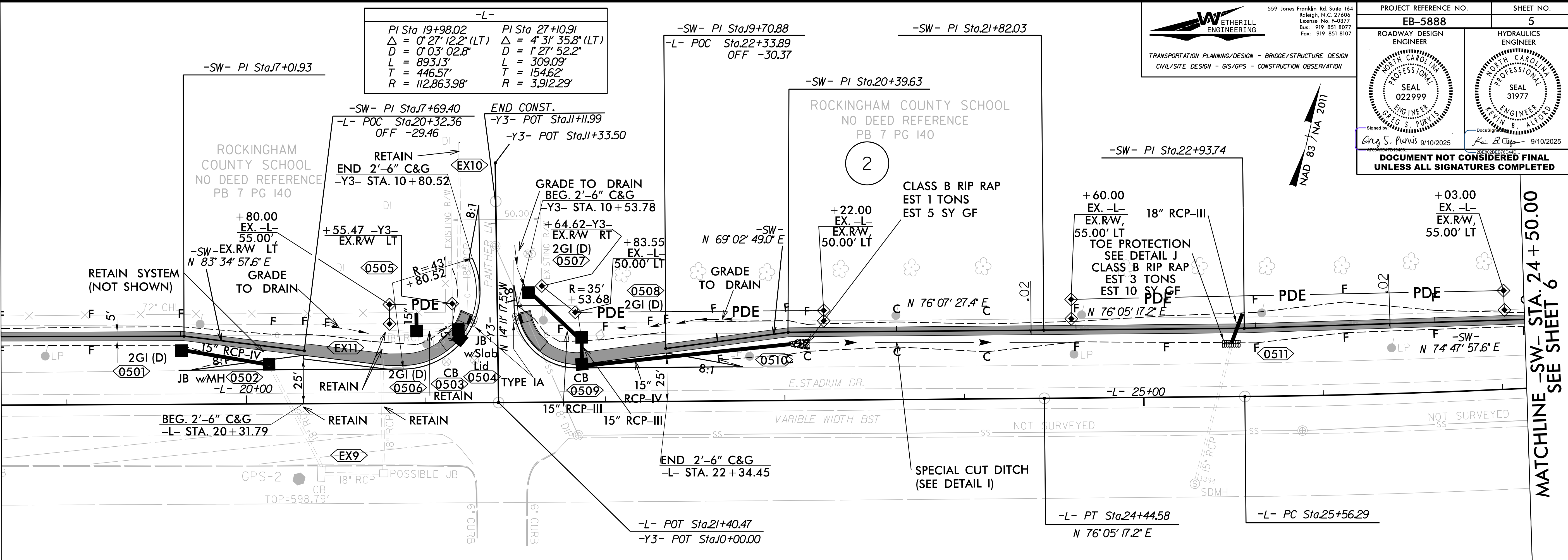
ETHERILL ENGINEERING
 559 Jones Franklin Rd. Suite 164
 Raleigh, N.C. 27606
 License No. E-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. EB-5888	SHEET NO. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Signed by: <i>Greg S. Purvis</i> 9/10/2025	Signed by: <i>Kevin S. Alfors</i> 9/10/2025
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -SW- STA. 16 + 00.00
SEE SHEET 4

MATCHLINE -SW- STA. 24 + 50.00
SEE SHEET 6



REVISIONS

7/30/2025
L:\5888\EB-5888-RDY_PSH_05.dgn

8/17/25

-L-	
PI Sta 27+10.91 Δ = 4' 31" 35.8" (LT) D = 1' 27" 52.2" L = 309.09' T = 154.62' R = 3.912.29'	PI Sta 30+75.16 Δ = 2' 44" 59.0" (LT) D = 0' 39" 19.8" L = 419.49' T = 209.78' R = 8.740.81'

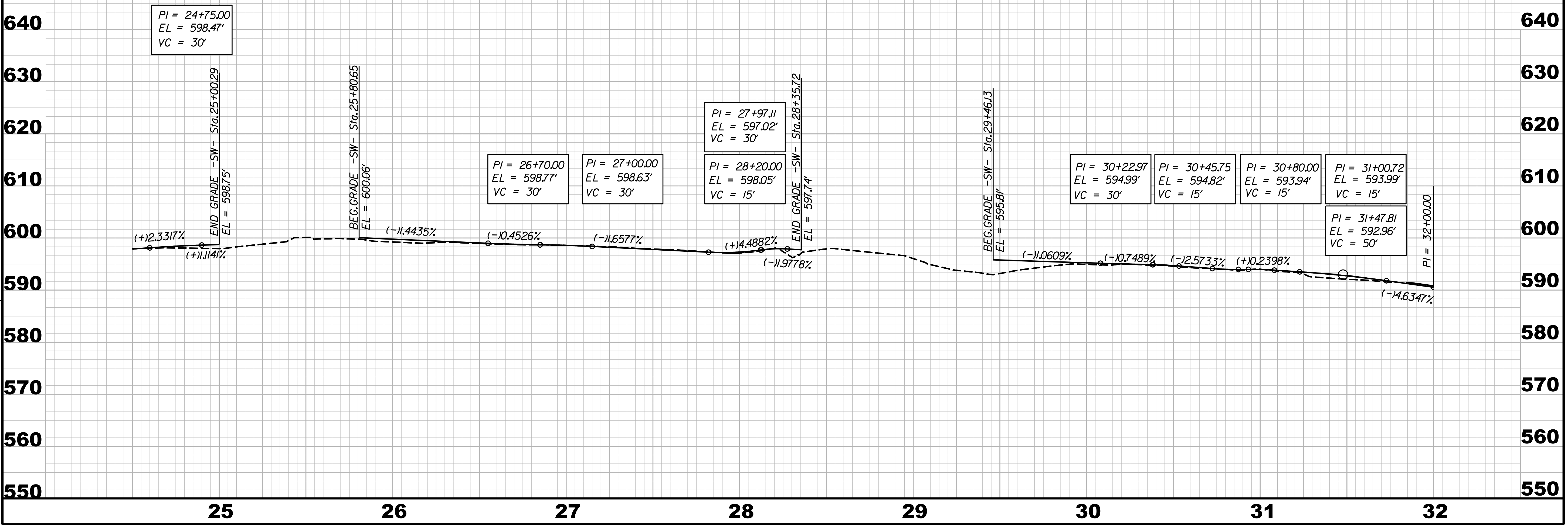
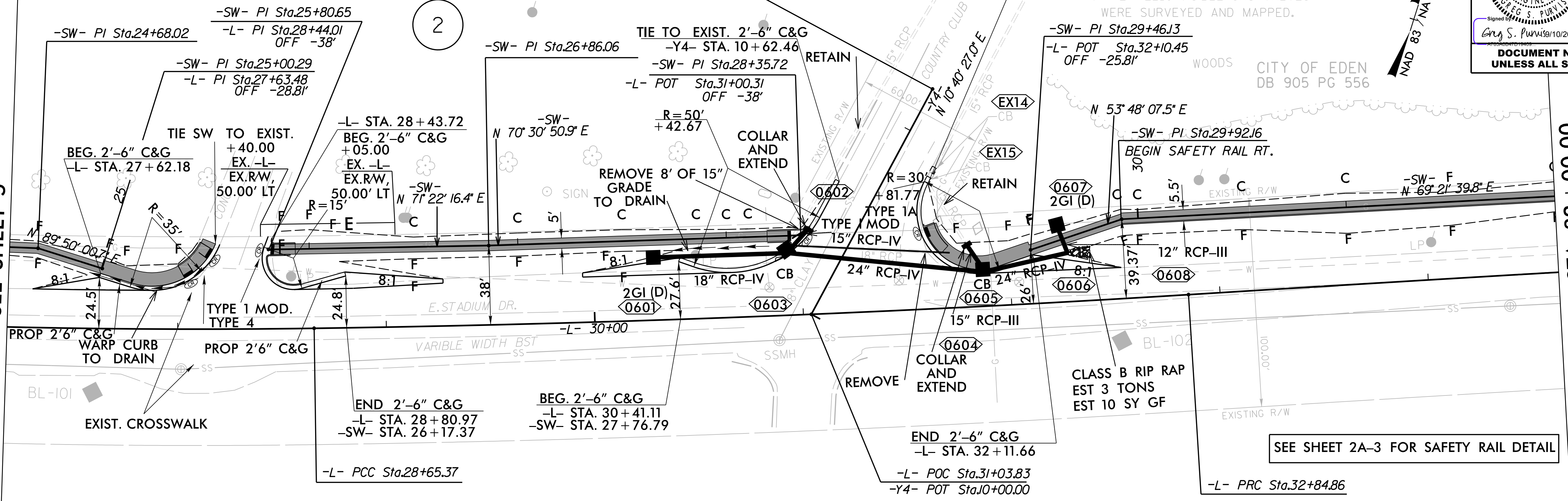
ETHERILL ENGINEERING
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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 Raleigh, N.C. 27606
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 Bus: 919 851 8077
 Fax: 919 851 8107

PROJECT REFERENCE NO. EB-5888	SHEET NO. 6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Signed: Greg S. Purnell 9/10/2025	Signed: Kevin S. Alford 9/10/2025
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -SW- STA. 24 + 50.00
SEE SHEET 5

MATCHLINE -SW- STA. 32 + 00.00
SEE SHEET 7



REVISIONS

7/30/2025
L:\EB-5888-RD\PSH_06.dgn
USER: RPS

8/17/99

CITY OF EDEN
DB 905 PG 556

-L-

PI Sta 50+36.82
Δ = 0°17'21.9" (RT)
D = 0°02'44.2"
L = 634.46'
T = 317.23'
R = 125,600.29'

V DITCH
SEE DETAIL C
0.2 % GRADE
DDE = 15 CY

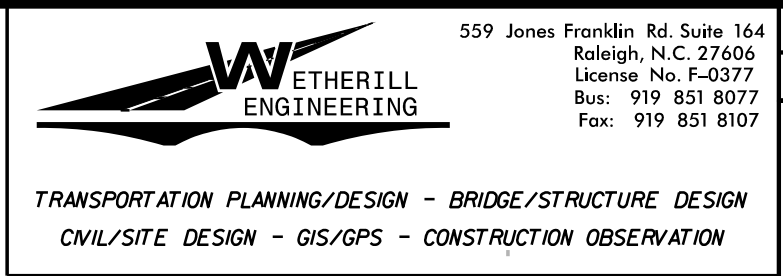
+35.00
EX. -L
EX. RW,
95.00' LT

+65.00
EX. -L
EX. RW,
95.00' LT

-SW- PI Sta.44+69.80

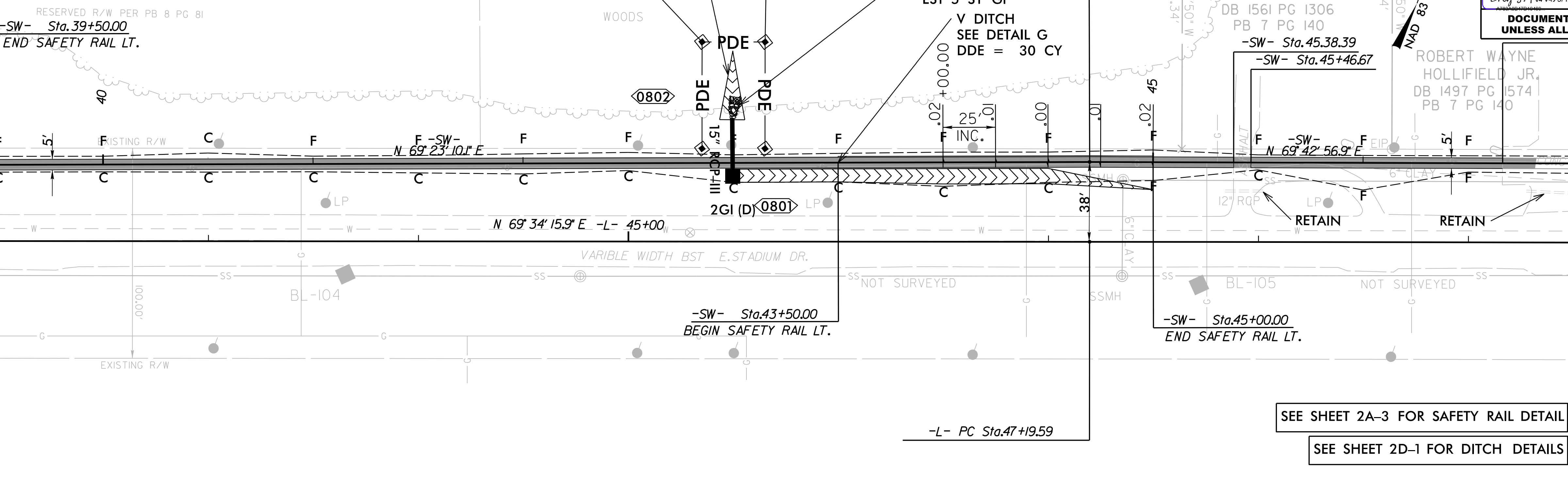
CLASS B RIP RAP
EST 1 TONS
EST 5 SY GF

V DITCH
SEE DETAIL G
DDE = 30 CY



PROJECT REFERENCE NO. EB-5888	SHEET NO. 8
ROADWAY DESIGN ENGINEER ROBERT WAYNE HOLLIFIELD JR. DB 1497 PG 1574 PB 7 PG 140	HYDRAULICS ENGINEER KEVIN S. ALFORD DB 1561 PG 1306 PB 7 PG 140
Professional Engineer Seal SEAL 022999 GREG S. PURVIS Signed: 9/10/2025	Professional Engineer Seal SEAL 31977 KEVIN S. ALFORD Signed: 9/10/2025
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -SW- STA. 39 + 50.00
SEE SHEET 7

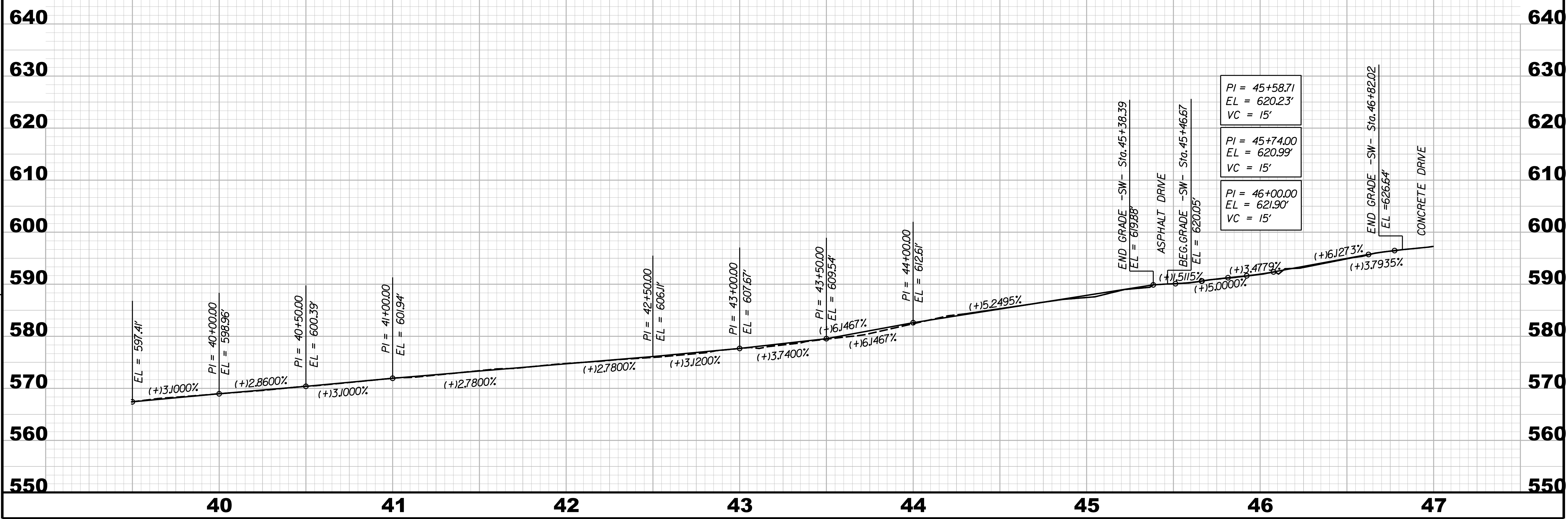


MATCHLINE -SW- STA. 47 + 00.00
SEE SHEET 9

SEE SHEET 2A-3 FOR SAFETY RAIL DETAIL

SEE SHEET 2D-1 FOR DITCH DETAILS

REVISIONS

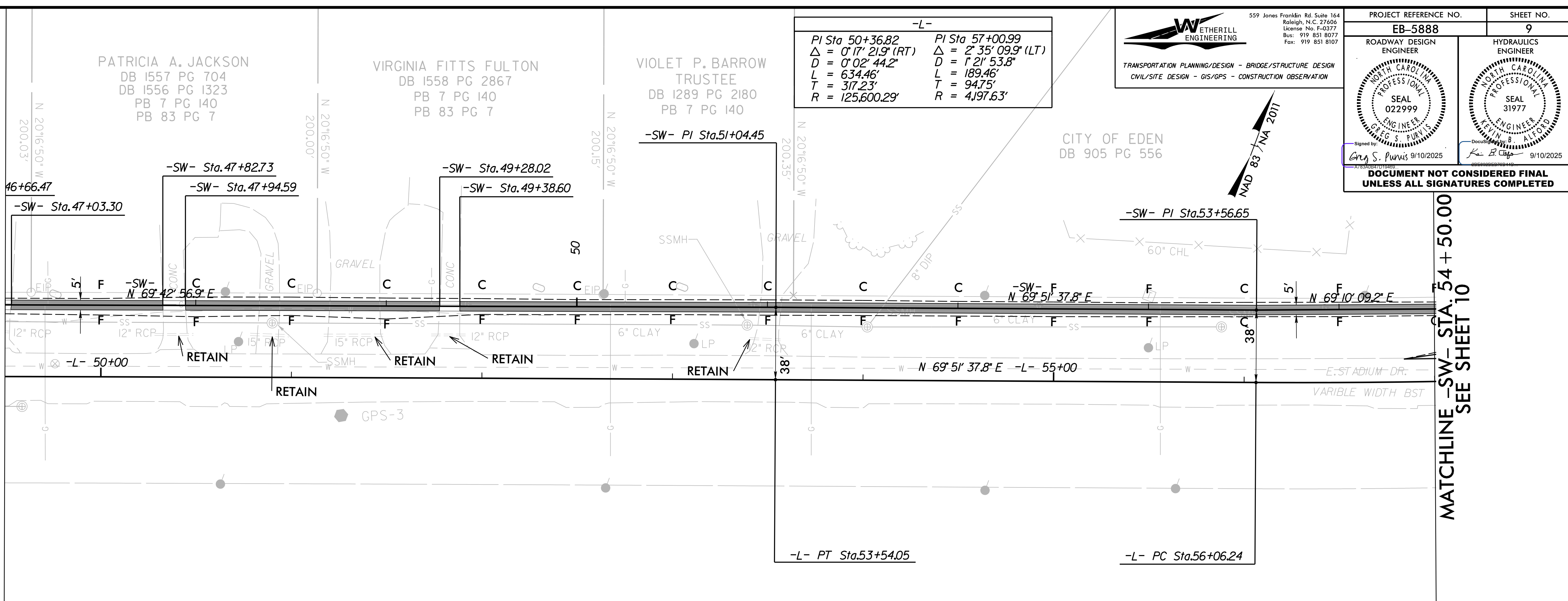


7/30/2025
J:\EB-5888-RD\PSH_08.dgn
JSE:RJR

8/17/99

MATCHLINE -SW- STA. 47 + 00.00
SEE SHEET 8

MATCHLINE -SW- STA. 54 + 50.00
SEE SHEET 10



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 559 Jones Franklin Rd. Suite 164
 Raleigh, N.C. 27606
 License No. E-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

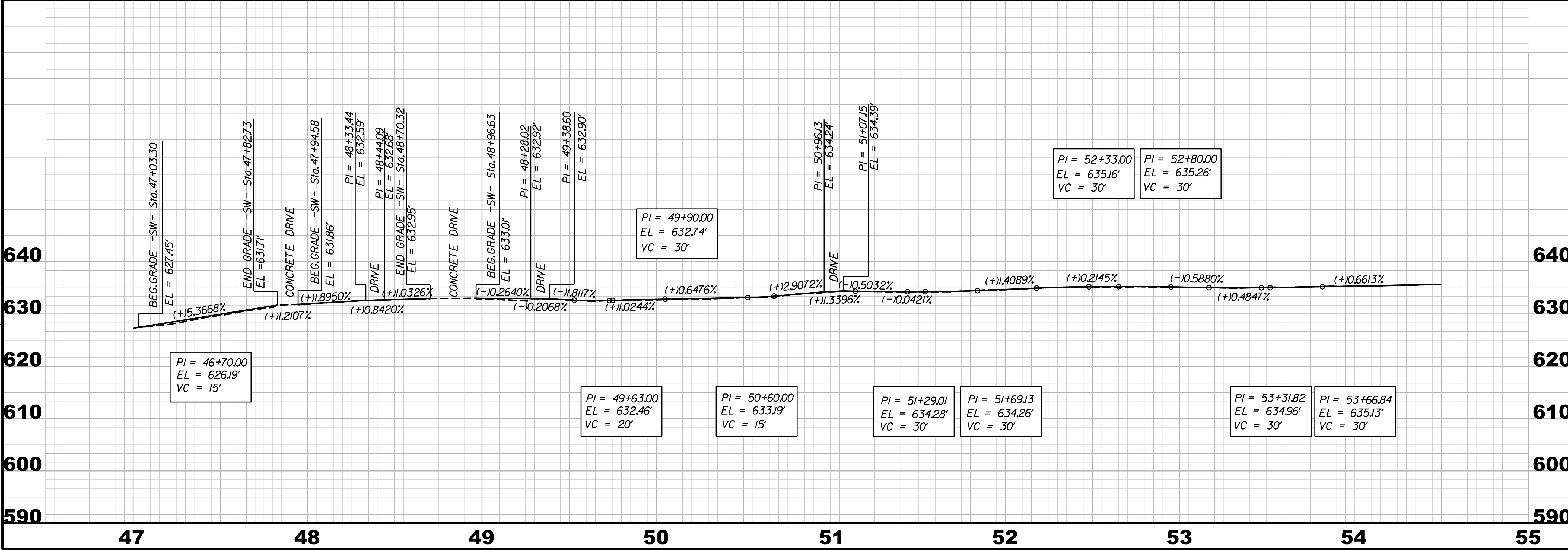
Signed by: *Greg S. Purvis* 9/10/2025
 Seal: 022999
 GREG S. PURVIS
 PROFESSIONAL ENGINEER
 NORTH CAROLINA
 SEAL 31977

PROJECT REFERENCE NO. **EB-5888**
 ROADWAY DESIGN ENGINEER

SHEET NO. **9**
 HYDRAULICS ENGINEER

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REVISIONS



7/30/2025
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 USER: JRS

8/17/99

CITY OF EDEN
DB 905 PG 556

-Y5B- POT Sta12+00.00

-L-	
PI Sta 50+36.82	PI Sta 57+00.99
$\Delta = 0'17'21.9"$ (RT)	$\Delta = 2'35'09.9"$ (LT)
D = 0'02'44.2"	D = 1'21'53.8"
L = 634.46'	L = 189.46'
T = 317.23'	T = 94.75'
R = 125.600.29'	R = 4197.63'

END COST.
-Y5B- STA. 11+82.63

MORNINGSIDE LLC
DB 1220 PG 120
PB 57 PG 99

-SW- PI Sta.54+57.02

-SW- PI Sta.54+99.51

-L- POC Sta.57+47.25
OFF -22.17'

CUT DITCH
0.3% GRADE TO DAYLIGHT
SEE DETAIL D
CLASS B RIP RAP
EST 1 TONS
EST 5 SY GF

END 2'-6" C&G & SW
-Y5B- STA. 10+80.52

-L- POT Sta.60+50.41

MATCHLINE -SW- STA. 54 + 50.00
SEE SHEET 9

-SW- N 89°55'06.9"W

BM#3

TYPE 2B

CB (min. depth)

12" RCP-IV

2GI (D)
1001

GPS-4
BEG. 2'-6" C&G
-L- STA. 57+45.55
-L- PT Sta.57+95.70

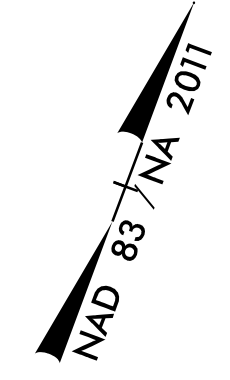
-L- POT Sta.58+34.09
-Y5B- POT Sta10+00.00

TONY COZART
DB 1252 PG 1349

811 WAS CONTACTED AND REQUESTED
TO BE MARKED. SANITARY SEWER
FORCE MAIN WAS NEVER MARKED
IN THE FIELD. VISIBLE MANHOLES
OPENED AND VERIFIED THAT THEY
ARE FORCE MAIN. MANHOLES
WERE SURVEYED AND MAPPED.

-L- POT Sta.58+29.95
-Y5A- POT Sta11+34.38

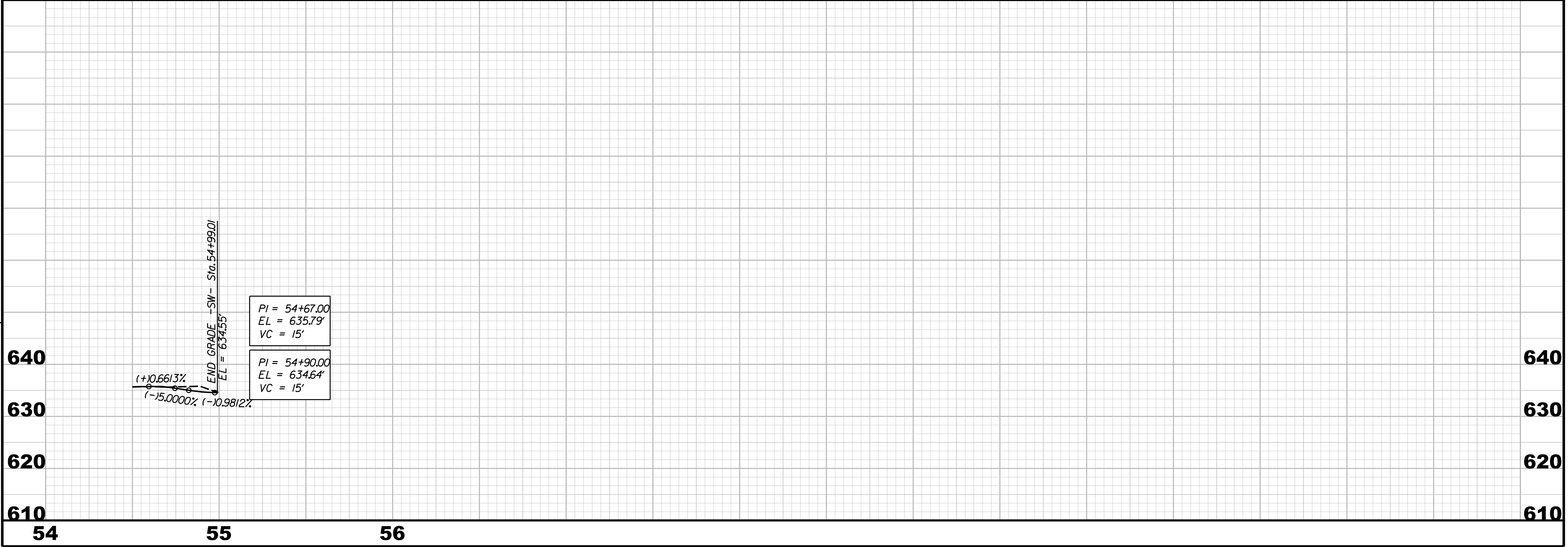
END PROJECT EB 5888
-L- POT STA. 58 + 48.59



PROJECT REFERENCE NO. EB-5888	SHEET NO. 10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Signed by: <i>Greg S. Purvis</i> 9/10/2025	Signed by: <i>Kevin S. Alford</i> 9/10/2025
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 559 Jones Franklin Rd. Suite 164 Raleigh, N.C. 27606 License No. E-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	

SEE SHEET 2D-1 FOR DITCH DETAILS

REVISIONS

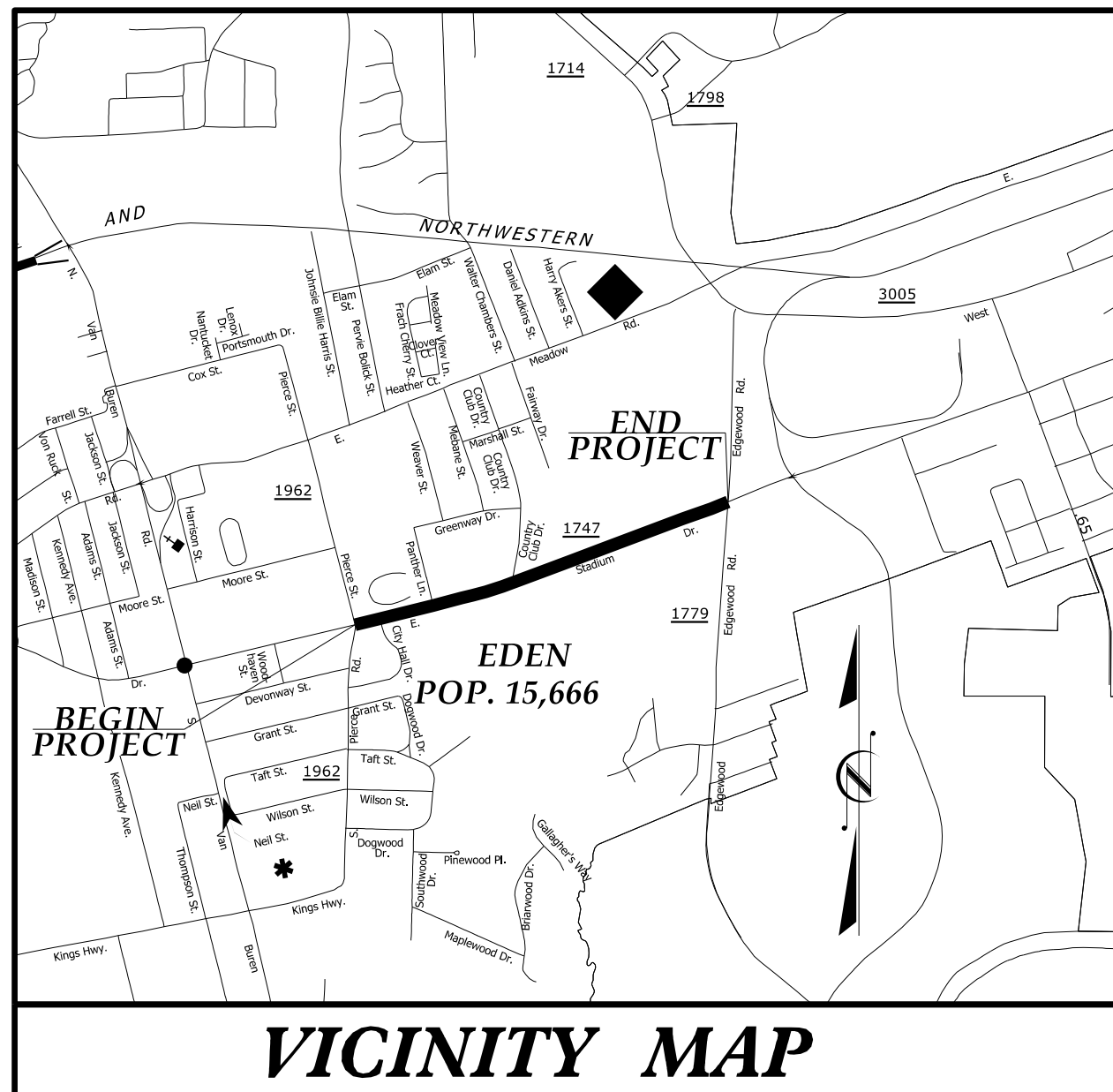
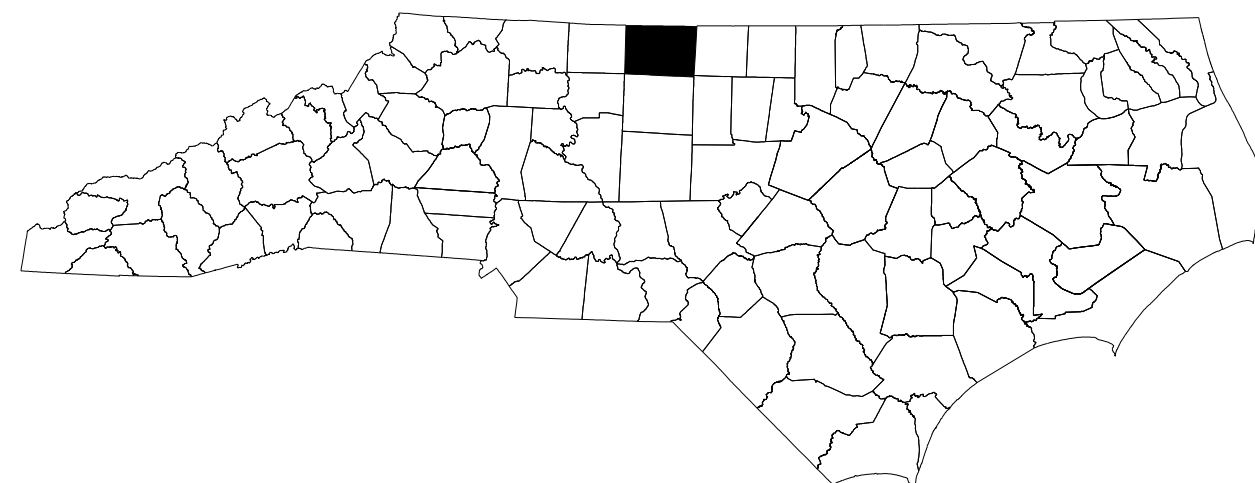


7/30/2025
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

ROCKINGHAM COUNTY



**LOCATION: SR 1747 EAST STADIUM DRIVE FROM
SR 1962 N. PIERCE ST. TO SR 1779 N.
EDGEWOOD DR.**

TYPE OF WORK: GRADING, DRAINAGE, SIDEWALK & PAVING

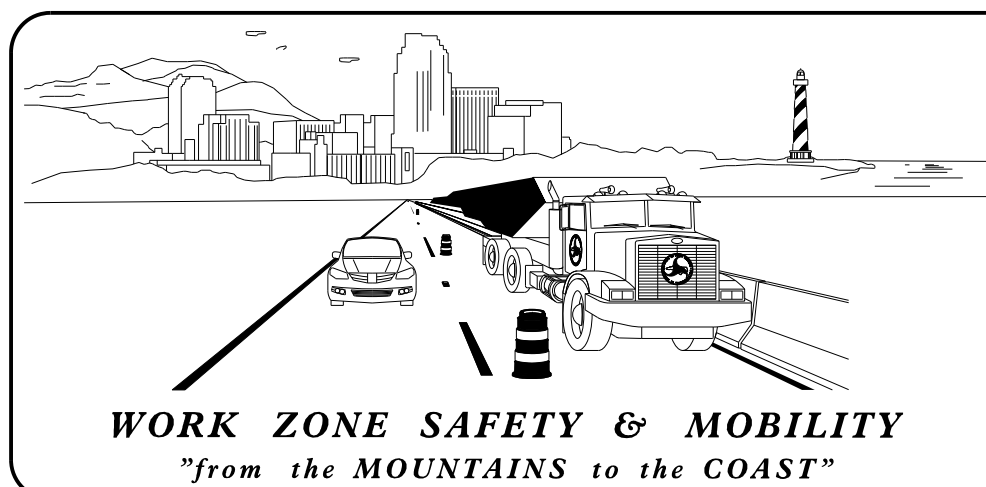
INDEX OF SHEETS	
<u>SHEET NO.</u>	<u>TITLE</u>
TMP-01	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-02	ROADWAY STANDARD DRAWINGS, TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES & GENERAL NOTES), AND TEMPORARY TRAFFIC CONTROL PHASING

SHEET NO.
TMP-01

EB-5888

TIP PROJECT:

7/16/2025
P:\2020\20330.01\EDEN_EB-5888\Traffic\Traffic Design\3_Design\Pre-Let\Plan\WZTC\Sheets\TO\EB-5888_TMP_01 Title.dgn
User: AHayes



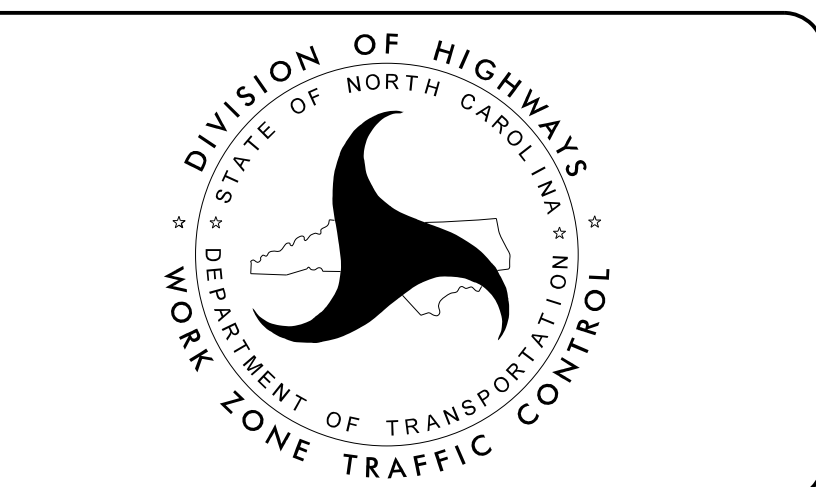
PLANS PREPARED BY:

LARRY GREEN, P.E.

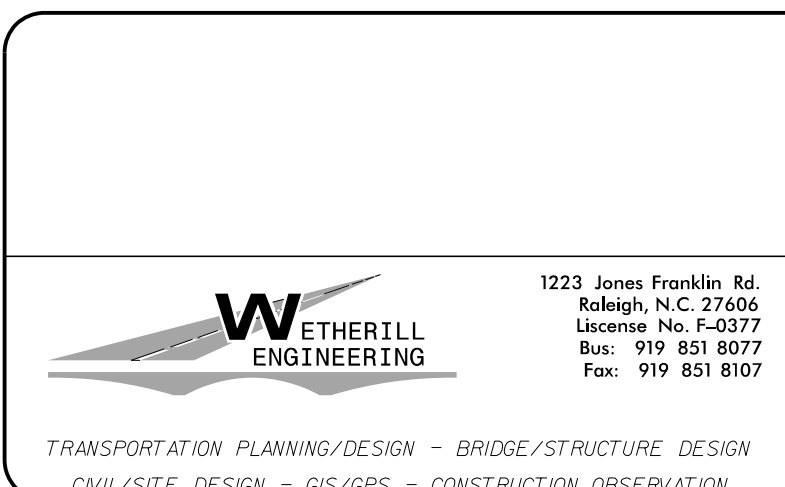
D. ALLEN HAYES, E.I.

NCDOT CONTACTS:

ALEX STANKOVIC
DIVISION PROJECT MANAGER



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



APPROVED: *Lawrence H. Green*

DATE: 7/16/2025

SEAL

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. SR 1747	8:00 A.M. - 9:00 A.M. 3:00 P.M. - 6:00 P.M. MONDAY - FRIDAY

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME

1. SR 1747

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 8:00 A.M. DECEMBER 31st TO 6:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 8:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 8:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 8:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 8:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 8:00 A.M. FRIDAY AND 6:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 8:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 8:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

D) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.

E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.

F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

H) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

I) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON SR 1747.

PAVEMENT EDGE DROP OFF REQUIREMENTS

J) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

K) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 FT/MI IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

L) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

M) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

N) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

O) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

P) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

MISCELLANEOUS

Q) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

RECOMMENDED TRAFFIC MANAGEMENT STRATEGIES:
SHOULDER CLOSURES
ONE-LANE, TWO WAY OPERATION (FLAGGING)
WORK HOUR RESTRICTIONS FOR PEAK TRAVEL

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1130.01	DRUMS
1135.01	CONES
1150.01	FLAGGING DEVICES
1180.01	SKINNY - DRUMS

PHASING

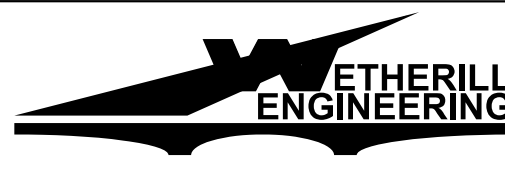
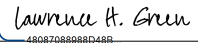
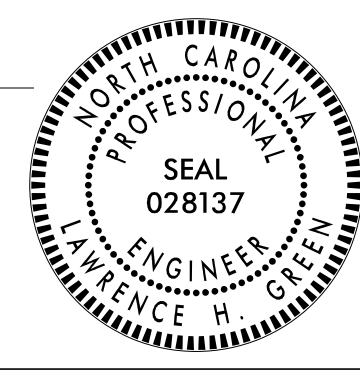

STEP 1) USING ROADWAY STANDARD DRAWING (RSD) 1101.01 INSTALL ALL ADVANCE WORK ZONE SIGNING AND COVER IF CONSTRUCTION HAS NOT BEGUN WITHIN THREE DAYS OF SIGN INSTALLATION. IF SIGNED HAVE BEEN COVERED, UNCOVER SIGNING THE DAY CONSTRUCTION BEGINS.


STEP 2) USING RSD 1101.04 (DETAIL FOR DIVIDED FACILITIES) AND RSD 1101.02 AS NEEDED, CONSTRUCT -SW-, ALL CURB AND GUTTER REALIGNMENTS, CURB RAMPS, AND OTHER SHOULDER WORK. KEEP -SW- CLOSED USING PEDESTRIAN BARRICADES WITH SIGN R9-9 ATTACHED.

STEP 3) UPON COMPLETION OF ALL WORK, REMOVE THE PEDESTRIAN BARRICADES AND OPEN -SW- TO PEDESTRIAN TRAFFIC.

STEP 4) REMOVE ALL TRANSPORTATION MANAGEMENT DEVICES AND SIGNING INSTALLED AND USED IN PREVIOUS STEPS.

3/31/2026 P:\2020\20330.01\EDEN.EB-5888\Traffic\Traffic Design\Pre-Let\Plan\WZTC\Sheets\TO\EB-5888_TMP_02 Phasing.dgn User:AHayes

 <p>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</p> <p style="font-size: small;">TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	<p>APPROVED: </p> <p>DATE: 4/1/2026</p>			<p>ROADWAY STANDARD DRAWINGS, TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES & GENERAL NOTES), AND TEMPORARY TRAFFIC CONTROL PHASING</p>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED				

TIP NO. EB-5888	SHEET NO. PMP-01
APPROVED: <i>Lawrence H. Green</i>	
DATE: 4/2/2026	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
ROCKINGHAM COUNTY**

EB-5888

NA

CONTRACT:

INDEX

SHEET NO.	DESCRIPTION
PMP-01	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-01A	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
PMP-02	PAVEMENT MARKING DETAIL

GENERAL NOTES

- THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.
- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
SR 1747 (STADIUM DR)	THERMOPLASTIC	NONE
 - B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
 - C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
 - D) SEE ROADWAY PLANS FOR ALTERNATE CURB RAMP DESIGNS WHEN INDICATED ON PAVEMENT MARKING DETAIL SHEETS.

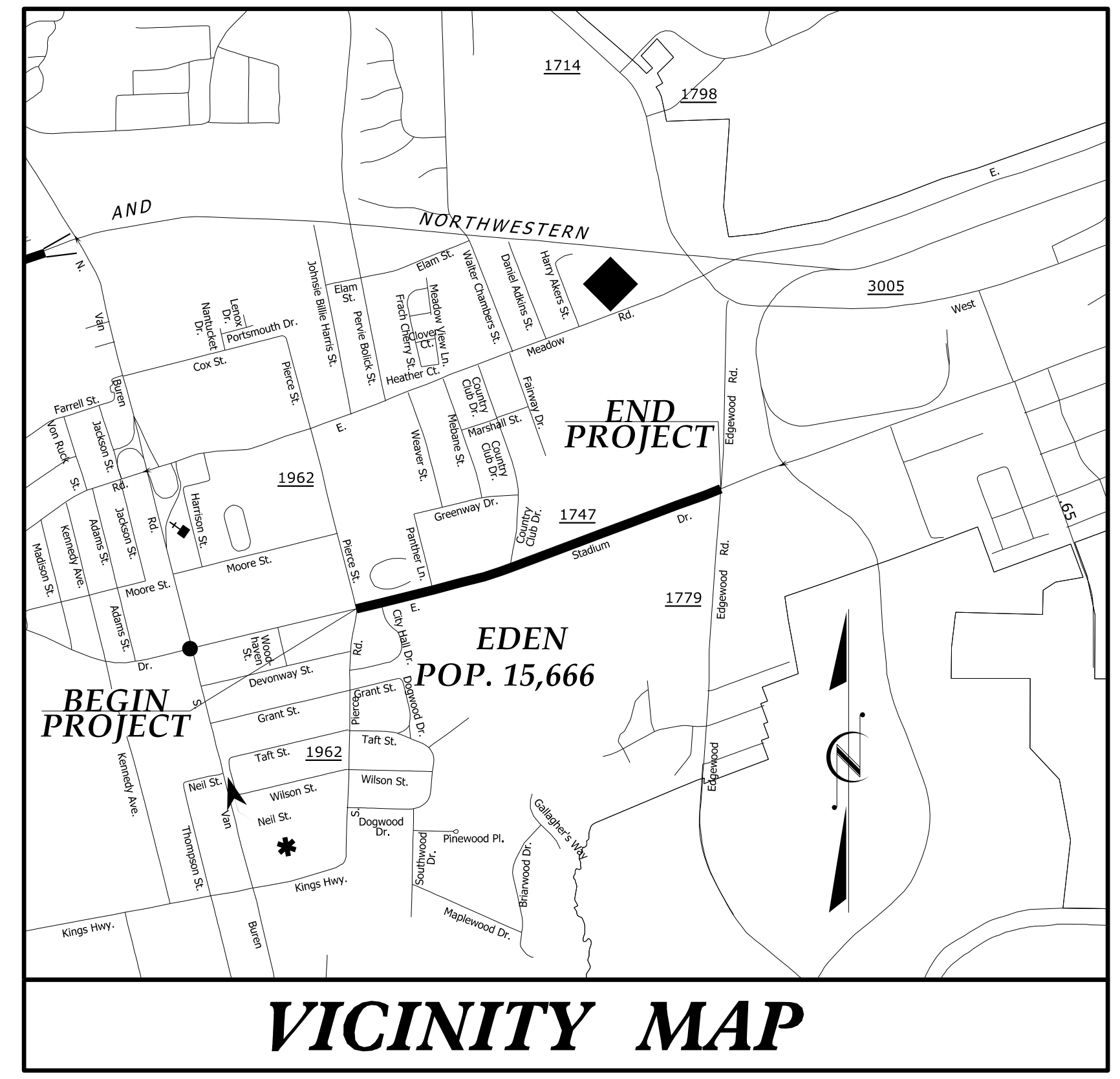
ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES

PAVEMENT MARKING SCHEDULE

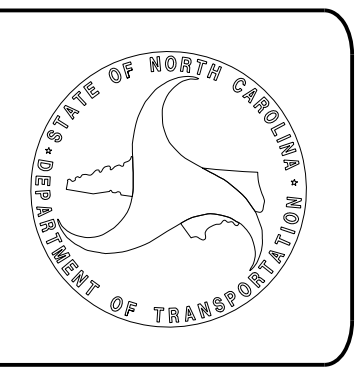
SYMBOL	DESCRIPTION	PAY ITEM
T46	WHITE CROSSWALK LINE	THERMOPLASTIC (8", 90 MIL)
T61	WHITE STOPBAR	THERMOPLASTIC (24", 90 MIL)
T62	WHITE CROSSWALK LINE	THERMOPLASTIC (24", 90 MIL) (HIGH VISIBILITY)
T71	RIGHT TURN ARROW	THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MIL)

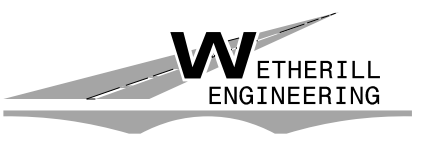


**LOCATION: SR 1747 EAST STADIUM DRIVE FROM
SR 1962 N. PIERCE ST. TO SR 1779 N.
EDGEWOOD DR.**

TYPE OF WORK: GRADING, DRAINAGE, SIDEWALK & PAVI

PLAN SUBMITTED TO:	
KELVIN L. JORDAN	SIGNING & DELINEATION REGIONAL ENGINEER



PLAN PREPARED BY: Wetherill Engineering, Inc.		 <small>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-63277 Bus: 919 851 8077 Fax: 919 851 8107</small>
LARRY GREEN, P.E.	PROJECT MANAGER	
D. ALLEN HAYES, E.I.	TRAFFIC DESIGN ENGINEERING INTERN	<small>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</small>

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PROJECT REFERENCE NO.	SHEET NO.

<p>CONTINUOUS LINES</p> <p>EDGE LINE YELLOW OR WHITE 4" / 6"</p> <p>LANE LINE WHITE 4" / 6"</p> <p>CENTER LINE YELLOW 4" / 6"</p> <p>GORE LINE WHITE 8" / 12"</p> <p>DIAGONAL LINE YELLOW OR WHITE 12" 45 MPH OR HIGHER 8" LESS THAN 45 MPH 4" - 6" FOR BICYCLE FACILITIES</p> <p>CROSSWALK LINE WHITE 8" TRANSVERSE 24" LONGITUDINAL</p> <p>RxR LINE WHITE 16"</p> <p>STOP OR TRANSVERSE BAR WHITE 24"</p>	<p>10'-30'/SP SKIP LINE</p> <p>UNLESS OTHERWISE SHOWN, USE 10'-30'/SP SKIPS FOR SKIP LANE LINES AND SKIP CENTER LINES.</p> <p>YELLOW OR WHITE</p>	<p>2'-6'/SP MINI-SKIP LINE</p> <p>UNLESS OTHERWISE SHOWN, USE 2'-6'/SP MINI-SKIPS FOR LANE LINE EXTENSIONS THROUGH INTERSECTIONS, EDGE LINE EXTENSIONS THROUGH INTERSECTIONS AND BICYCLE LANE EXTENSIONS.</p> <p>YELLOW OR WHITE</p>	<p>STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.</p> <p>ROADWAY DETAIL DRAWING FOR PAVEMENT MARKINGS LINE TYPES AND OFFSETS</p>
	<p>3'-3'/SP MINI-SKIP LINE</p> <p>UNLESS OTHERWISE SHOWN, USE 3'-3'/SP MINI-SKIPS FOR THE WHITE EDGE LINE EXTENSIONS AT ROUNDABOUTS.</p> <p>WHITE</p>	<p>3'-9'/SP MINI-SKIP LINE</p> <p>UNLESS OTHERWISE SHOWN, USE 3'-9'/SP MINI-SKIPS FOR MINI-SKIP LANE LINES, LINE EXTENSIONS THROUGH TAPERS, AND MINI-SKIPS USED FOR BICYCLE LANE LINES.</p> <p>WHITE</p>	
	<p>GENERAL NOTES:</p> <p>1- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER.</p> <p>2- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.</p> <p>3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.</p>		
	<p>SHEET 1 OF 2 1205D01</p>		



Signed by:
Matthew V. Springer, PE
4/13/2026

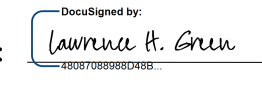

CONTRACTS STANDARDS AND DEVELOPMENT UNIT
Office 919-707-8950 FAX 919-250-4119

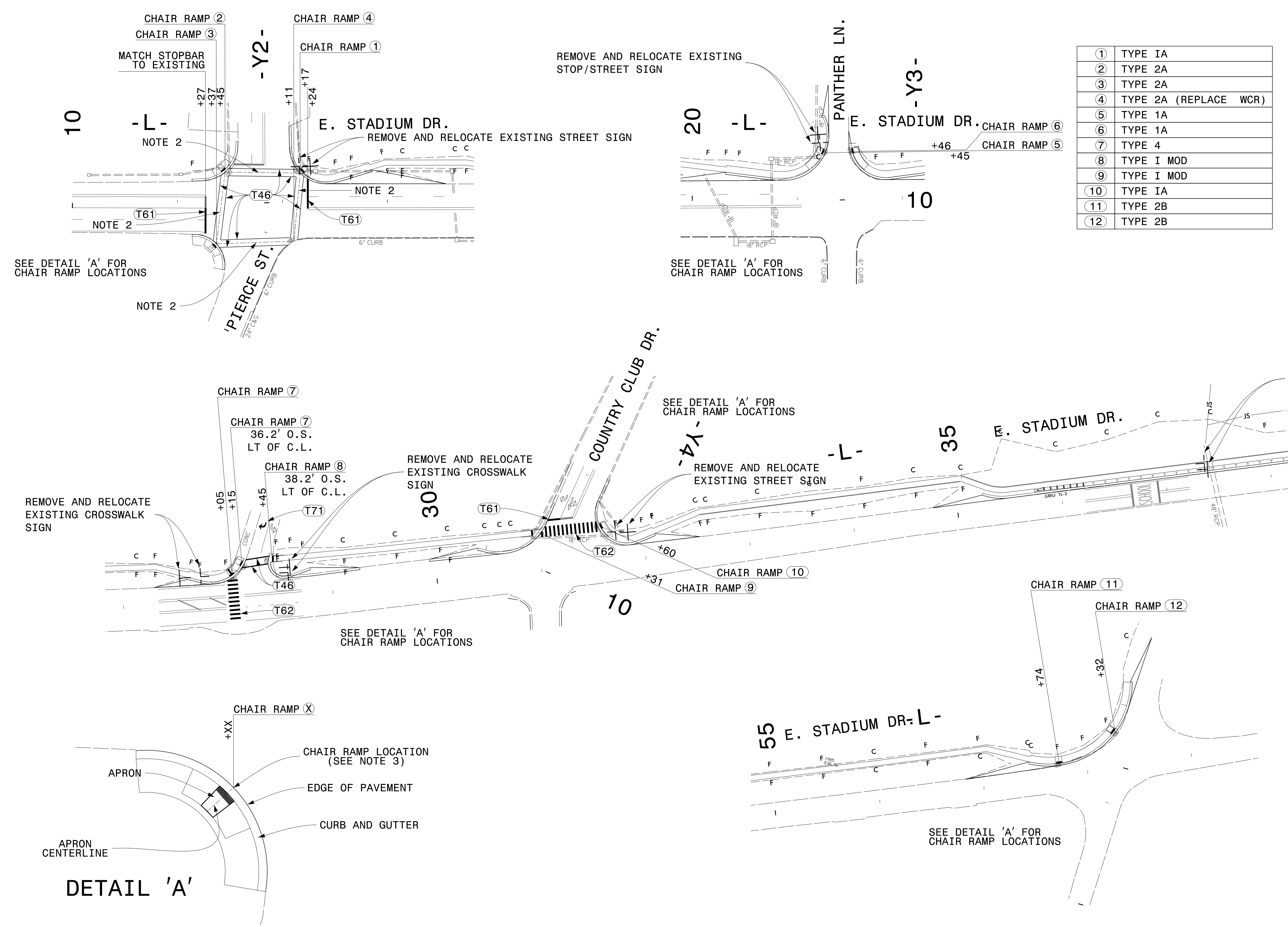
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ORIGINAL BY: M.V. SPRINGER DATE: 2-15-24
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.:

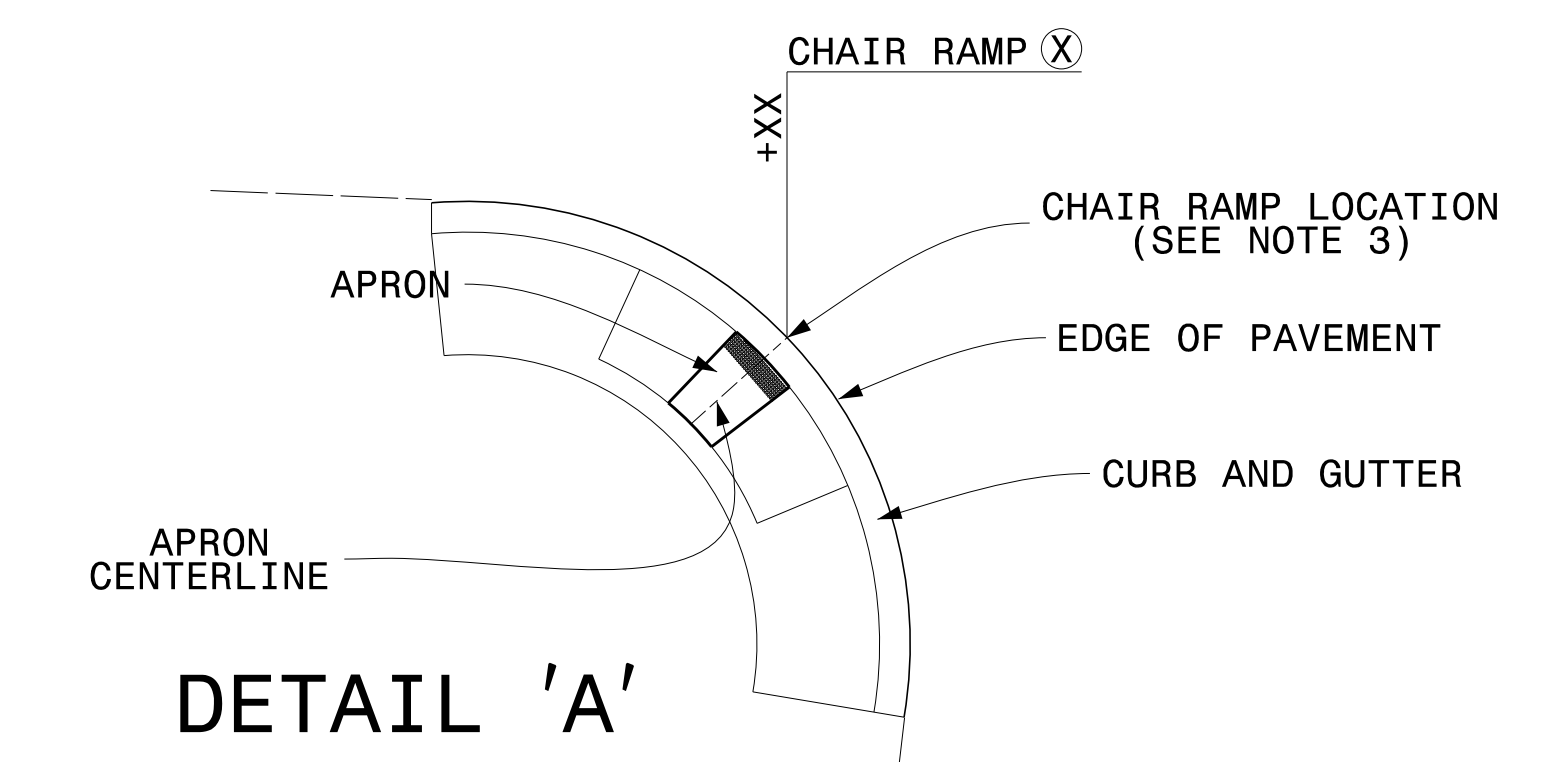
PAVEMENT MARKING DETAIL

4/2/2026
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 User:AHayes

TIP NO. EB-5888	SHEET NO. PMP-02
APPROVED: 	
DATE: 4/2/2026	
	
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①	TYPE IA
②	TYPE 2A
③	TYPE 2A
④	TYPE 2A (REPLACE WCR)
⑤	TYPE 1A
⑥	TYPE 1A
⑦	TYPE 4
⑧	TYPE I MOD
⑨	TYPE I MOD
⑩	TYPE IA
⑪	TYPE 2B
⑫	TYPE 2B



- NOTES:
- 1) CROSSWALK CENTERLINES ARE DEFINED BY CHAIR RAMP STATIONS.
 - 2) CROSSWALK IS 7' WIDE CENTERED ON CENTERLINE.
 - 3) CHAIR RAMPS ARE LOCATED BY EXTENDING THE CENTERLINE OF THE APRON TO THE EDGE OF PAVEMENT.
 - 4) THE REMOVAL AND RELOCATION OF EXISTING SIGNS IS CONSIDERED INCIDENTAL TO CONSTRUCTION.

PAVEMENT MARKING DETAIL

4/2/2026 P:\2020\20330\01EDEN\EB-5888\Traffic\Design\Pre-Let\Plan\Pavement Markings\Sheets\EB-5888_PMP_02.dgn User:AHayes