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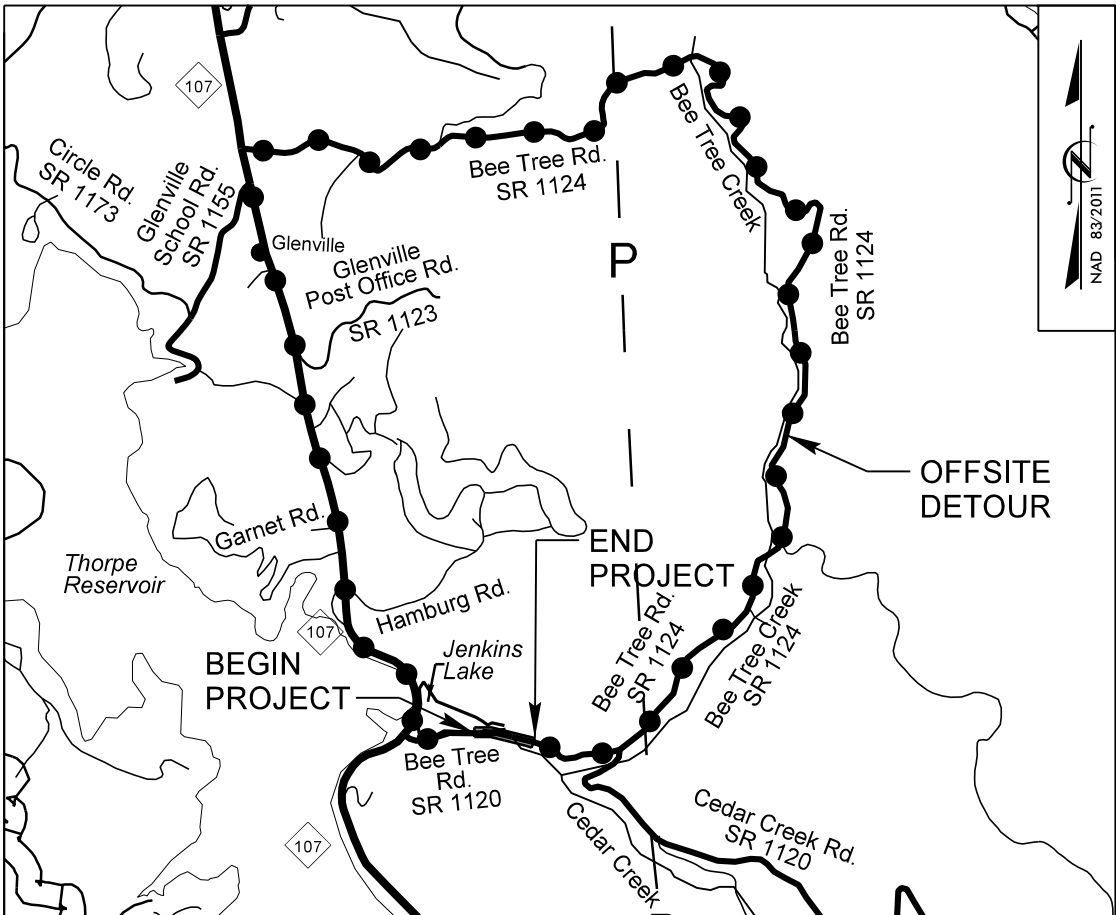
09/08/2019

7/22/2026
R:\Roadway\Proj\B592\RDY_TSH.dgn
erlcamartin

PROJECT: B-5921

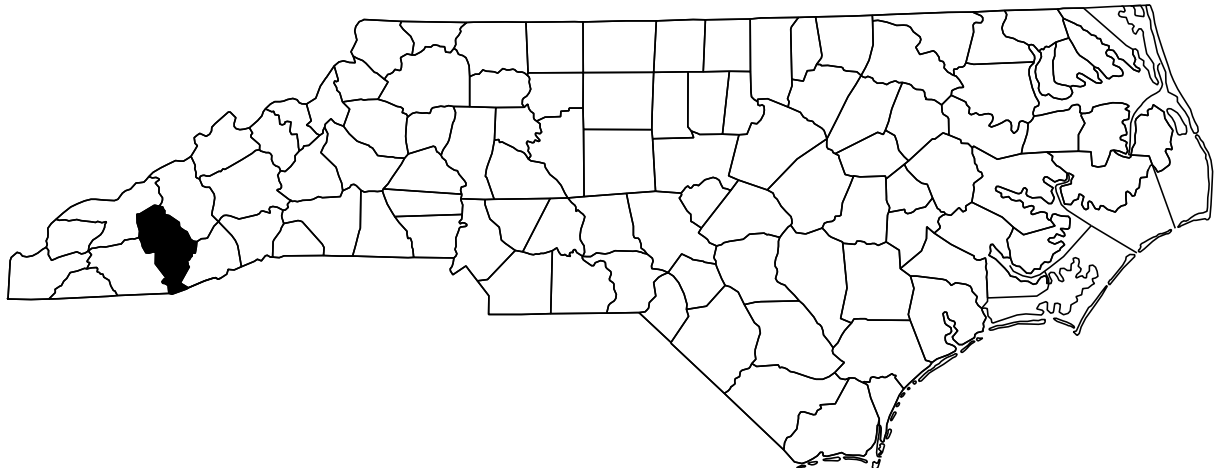
CONTRACT: DN01145

See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Plan Sheet Symbols



VICINITY MAP

DETOUR ROUTE
(APPROXIMATE LENGTH = 4.6 MILES)



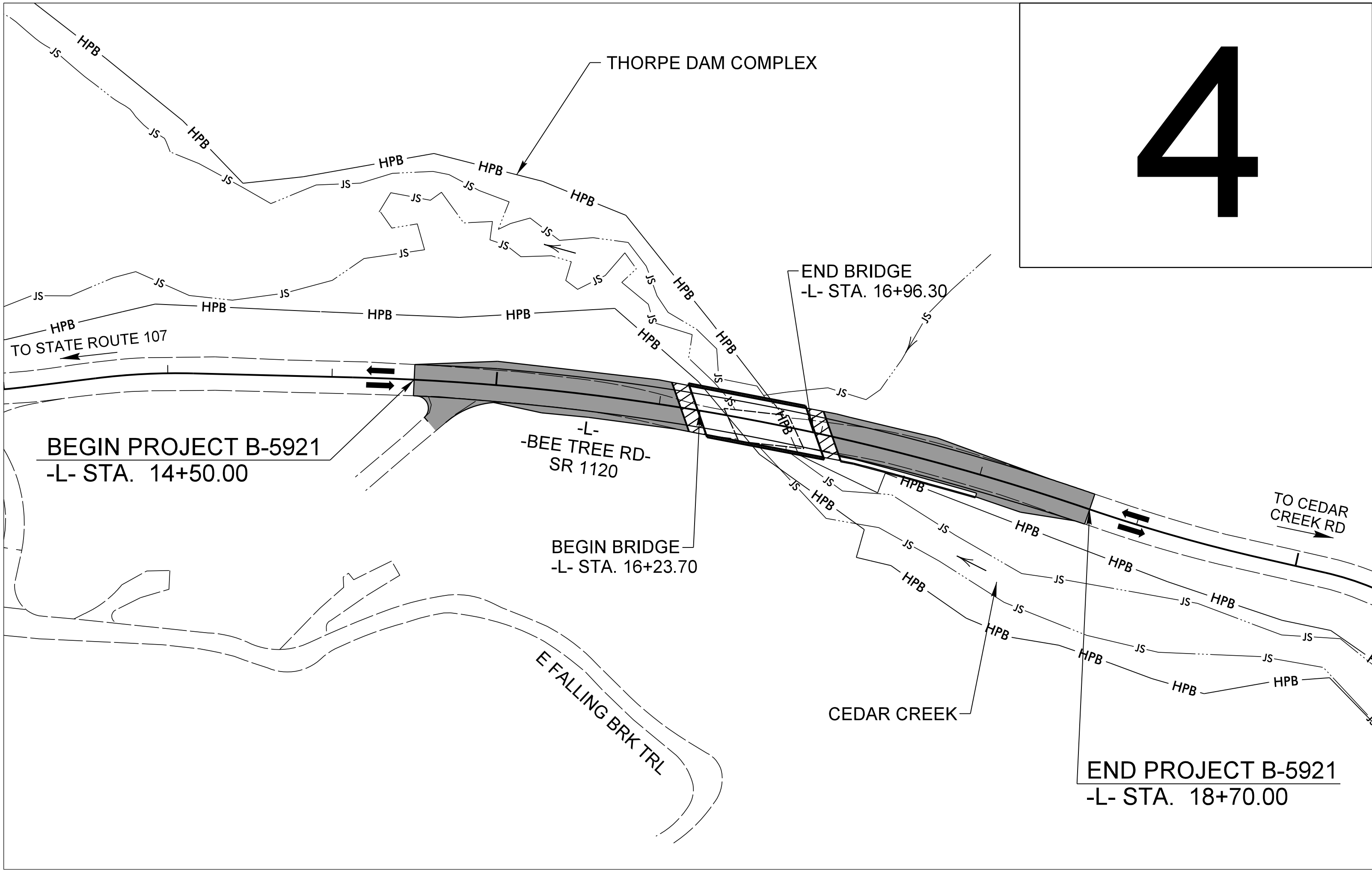
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

JACKSON COUNTY

**LOCATION: BRIDGE NO. 490008 OVER CEDAR CREEK
ON SR 1120 (BEE TREE RD)**

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURES

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5921	1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
48053.1.1		PE	
48053.2.1		ROW	
48053.3.1		CONST	

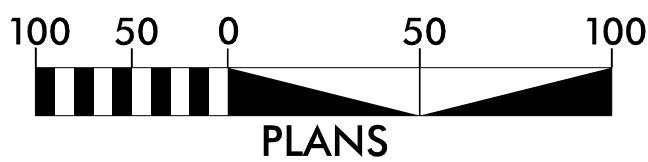


NAD 83/NA 2011

— HPB — HISTORIC PROPERTY BOUNDARY

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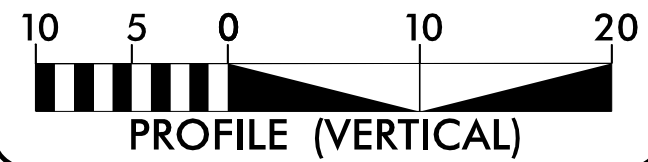
GRAPHIC SCALES



PLANS



PROFILE (HORIZONTAL)



PROFILE (VERTICAL)

DESIGN DATA

ADT 2025 = 590
ADT 2045 = 740
K = N/A
D = N/A
T = N/A *
V = 40 MPH
* TTST = N/A DUAL N/A
FUNC CLASS =
LOCAL
SUB REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-5921 0.066 Miles
LENGTH STRUCTURE TIP PROJECT B-5921 0.014 Miles
TOTAL LENGTH TIP PROJECT B-5921 0.080 Miles

Prepared in the Office of:

NIV5

NVS ENGINEERS & CONSULTANTS, INC.
3300 REGENCY PARKWAY, SUITE 100
CARY, NC 27518
P: 919.851.1912 www.NVS.com
NC License # F-3333

FOR THE NORTH CAROLINA DEPT. OF TRANSPORTATION

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
AUGUST 15, 2023

LETTING DATE:
SEPTEMBER 22, 2026

NCDOT CONTACT:

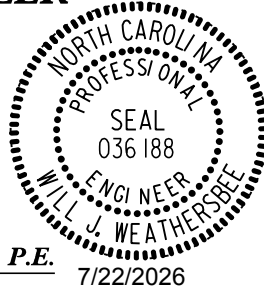
STEVE DRUM, PE
PROJECT ENGINEER

ERICA MARTIN
PROJECT DESIGN ENGINEER

ZACH SHULER, PE
BRIDGE PROGRAM MANAGER

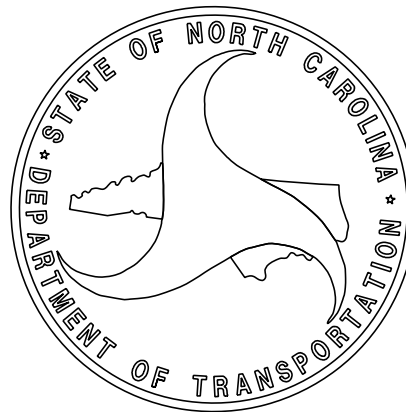
HYDRAULICS ENGINEER

DocuSigned by:
Will Weatherse
SIGNATURE: 7/22/2026



ROADWAY DESIGN ENGINEER

DocuSigned by:
Steve Anthony Drum
SIGNATURE: 7/22/2026



12/2/2016

INDEX OF SHEETS, GENERAL NOTES, and LIST OF STANDARDS

PROJECT REFERENCE NO.
B-5921

SHEET NO.
1A

ROADWAY DESIGN
ENGINEER
8/16/2026
NORTH CAROLINA
PROFESSIONAL
SEAL
017265
NIV5 ENGINEERS & CONSULTANTS, INC.
3300 REGENCY PARKWAY, SUITE 100
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INDEX OF SHEETS		GENERAL NOTES	2024 SPECIFICATION EFFECTIVE: 01-16-2024 REVISED:	LIST OF STANDARDS	2024 SPECIFICATION EFFECTIVE: 01-16-2024 REVISED:
<u>SHEET NUMBER</u>	<u>SHEET</u>	GRADE LINE: GRADING AND SURFACING:	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
1	TITLE SHEET			DIVISION 2 - EARTHWORK	
1A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARDS	THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.		200.02 Method of Clearing - Method II	
1B	CONVENTIONAL SYMBOLS	CLEARING:		225.02 Guide for Grading Subgrade - Secondary and Local	
2A-1	PAVEMENT SCHEDULE AND TYPICAL SECTIONS	CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.		225.04 Method of Obtaining Superelevation - Two Lane Pavement	
2C-1 THRU 2C-5	DETAILS IN LIEU OF STANDARDS	SUPERELEVATION:		275.01 Rock Plating	
3B-1	ROADWAY SUMMARIES	ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.		DIVISION 3 - PIPE CULVERTS	
3D-1	DRAINAGE SUMMARIES	SHOULDER CONSTRUCTION:		300.01 Method of Pipe Installation (Use Detail in Lieu of Standards for Sheets 1 and 2 of 2)	
3G-1	GEOTECHNICAL SUMMARIES	ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01		310.10 Driveway Pipe Construction	
4	PLAN SHEET	SIDE ROADS:		DIVISION 4 - MAJOR STRUCTURES	
5	PROFILE SHEET	THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.		423.01 Bridge Approach Fills - Type 1 Approach Fill for Bridge Abutment	
TMP-1 THRU TMP-6	TRANSPORTATION MANAGEMENT PLANS	SUBSURFACE DRAINS:		DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
PMP-1 THRU PMP-2	PAVEMENT MARKING PLANS	SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 AT LOCATIONS DIRECTED BY THE ENGINEER.		560.01 Method of Shoulder Construction - High Side of Superelevated Curve - Method I	
EC-1 THRU EC-5	EROSION CONTROL PLANS	GUARDRAIL:		DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
SIGN-1 THRU SIGN-4	SIGNING PLANS	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.		654.01 Pavement Repairs	
UO-1 THRU UO-2	UTILITY BY OTHERS PLANS	TEMPORARY SHORING:		DIVISION 8 - INCIDENTALS	
X-1	CROSS-SECTION SUMMARY	SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.		806.01 Concrete Right-of-Way Marker	
X-2 THRU X-7	CROSS-SECTIONS	END BENTS:		815.02 Subsurface Drain	
S-1 THRU S-20	STRUCTURE PLANS	THE ENGINEER SHALL CHECK THE STRUCTURE END BENT PLANS, DETAILS, AND CROSS-SECTION PRIOR TO SETTING OF THE SLOPE STAKES FOR THE EMBANKMENT OR EXCAVATION APPROACHING A BRIDGE.		840.00 Concrete Base Pad for Drainage Structures	
W-1 THRU W-3	WALL PLANS	UTILITIES:		840.31 Concrete Junction Box - 12" thru 66" Pipe	
		UTILITY OWNERS ON THIS PROJECT ARE FRONTIER (TELECOM)		840.32 Brick Junction Box - 12" thru 66" Pipe	
		ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.		840.36 Traffic Bearing Grated Drop Inlet - for Steel (840.37) Double Frame and Grates	
		RIGHT-OF-WAY MARKERS:		840.37 Steel Grate and Frame	
		ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.		840.54 Manhole Frame and Cover	
		ROCK		840.66 Drainage Structure Steps	
		ROCK IS ANTICIPATED BETWEEN -L- Sta. 15+90. to 16+20 (LT&RT). BLASTING MAY BE REQUIRED FOR EXCAVATION ON THE PROJECT. SEE SECTION 220 OF THE STANDARD SPECIFICATIONS AND IF APPLICABLE, ROCK BLASTING PROVISION.		846.01 Concrete Curb, Gutter and Curb & Gutter	
				846.04 Drop Inlet Installation in Shoulder Berm Gutter	
				862.01 Guardrail Placement (Use Details in Lieu of Standards for Sheets 4, 6, 12 and 14 of 15)	
				862.02 Guardrail Installation (Use Detail in Lieu of Standard for Sheet 5 of 9)	
				862.03 Structure Anchor Units (Use Detail in Lieu of Standards for Sheet 6 and 8 of 9)	
				876.01 Rip Rap in Channels and Ditches	
				876.02 Guide for Rip Rap at Pipe Outlets	

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	
Existing Fence Line	
Proposed Woven Wire Fence	
Proposed Chain Link Fence	
Proposed Barbed Wire Fence	
Existing Wetland Boundary	
Proposed Wetland Boundary	
Existing Endangered Animal Boundary	
Existing Endangered Plant Boundary	
Existing Historic Property Boundary	
Known Contamination Area: Soil	
Potential Contamination Area: Soil	
Known Contamination Area: Water	
Potential Contamination Area: Water	
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	
Buffer Zone 1	
Buffer Zone 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	
Proposed Slope Stakes Fill	
Proposed Curb Ramp	
Existing Metal Guardrail	
Proposed Guardrail	
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	
Bridge Wing Wall, Head Wall and End Wall	
MINOR:	
Head and End Wall	
Pipe Culvert	
Footbridge	
Drainage Box: Catch Basin, DI or JB	
Paved Ditch Gutter	
Storm Sewer Manhole	
Storm Sewer	

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	
H-Frame Pole	
U/G Power Line Test Hole (SUE – LOS A)*	
U/G Power Line (SUE – LOS B)*	
U/G Power Line (SUE – LOS C)*	
U/G Power Line (SUE – LOS D)*	

TELEPHONE:

Existing Telephone Pole	
Proposed Telephone Pole	
Telephone Manhole	
Telephone Pedestal	
Telephone Cell Tower	
U/G Telephone Cable Hand Hole	
U/G Telephone Test Hole (SUE – LOS A)*	
U/G Telephone Cable (SUE – LOS B)*	
U/G Telephone Cable (SUE – LOS C)*	
U/G Telephone Cable (SUE – LOS D)*	
U/G Telephone Conduit (SUE – LOS B)*	
U/G Telephone Conduit (SUE – LOS C)*	
U/G Telephone Conduit (SUE – LOS D)*	
U/G Fiber Optics Cable (SUE – LOS B)*	
U/G Fiber Optics Cable (SUE – LOS C)*	
U/G Fiber Optics Cable (SUE – LOS D)*	

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	

TV:

TV Pedestal	
TV Tower	
U/G TV Cable Hand Hole	
U/G TV Test Hole (SUE – LOS A)*	
U/G TV Cable (SUE – LOS B)*	
U/G TV Cable (SUE – LOS C)*	
U/G TV Cable (SUE – LOS D)*	
U/G Fiber Optic Cable (SUE – LOS B)*	
U/G Fiber Optic Cable (SUE – LOS C)*	
U/G Fiber Optic Cable (SUE – LOS D)*	

GAS:

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

SANITARY SEWER:

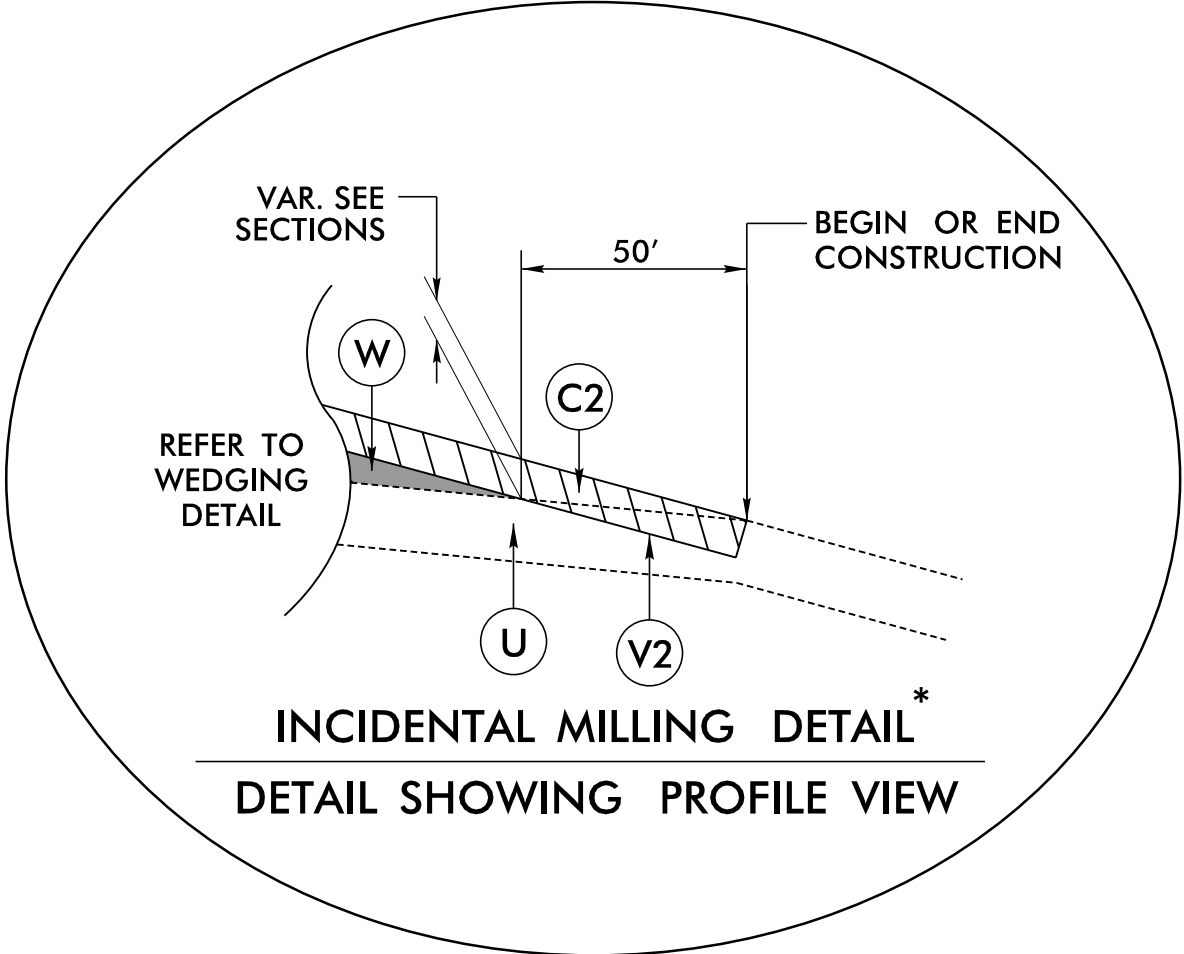
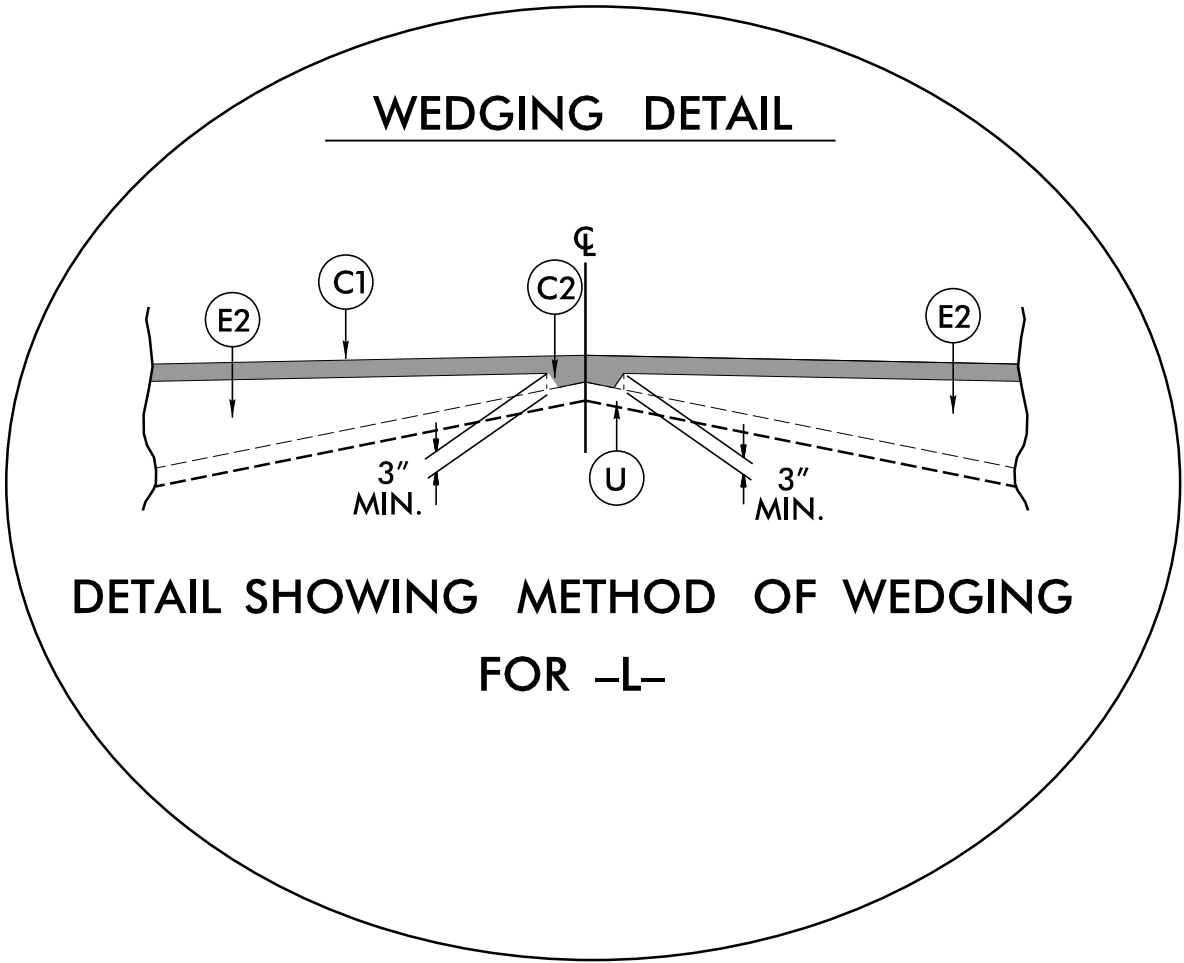
Sanitary Sewer Manhole	
Sanitary Sewer Cleanout	
U/G Sanitary Sewer Line	
Above Ground Sanitary Sewer	
SS Force Main Line Test Hole (SUE – LOS A)*	
SS Force Main Line (SUE – LOS B)*	
SS Force Main Line (SUE – LOS C)*	
SS Force Main Line (SUE – LOS D)*	

MISCELLANEOUS:

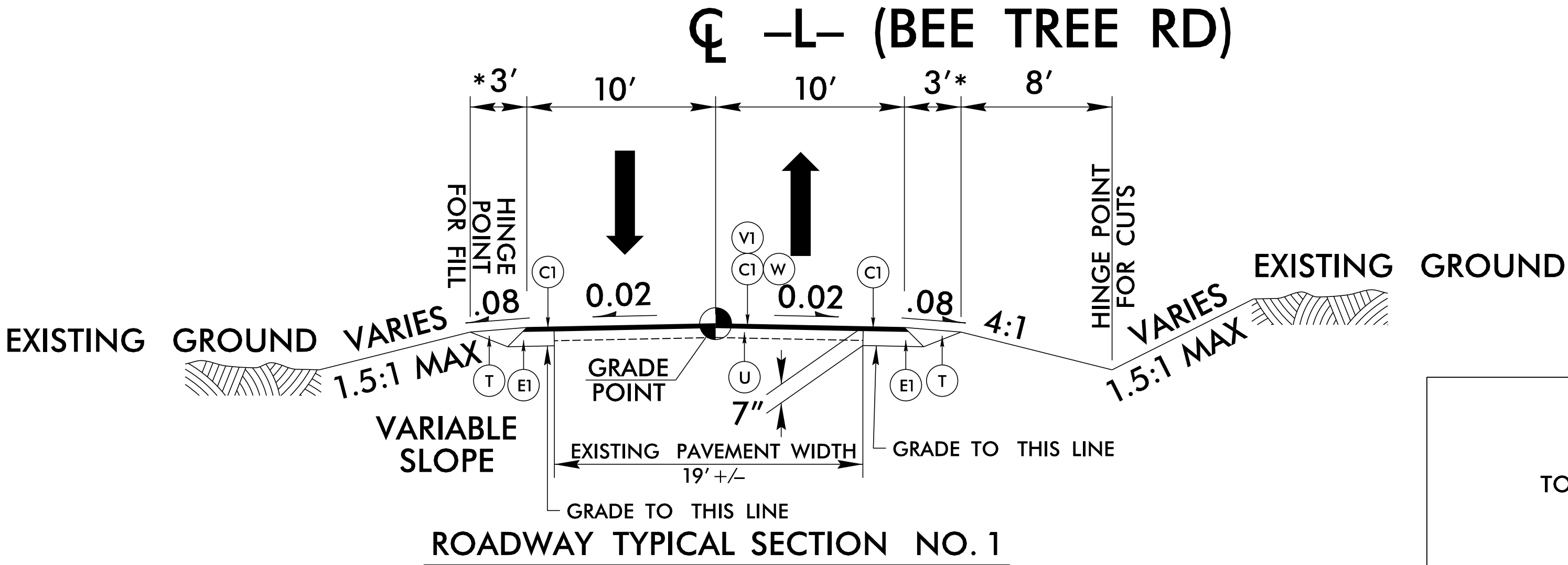
Utility Pole	
Utility Pole with Base	
Utility Located Object	
Utility Traffic Signal Box	
Utility Unknown U/G Line (SUE – LOS B)*	
U/G Tank; Water, Gas, Oil	
Underground Storage Tank, Approx. Loc.	
A/G Tank; Water, Gas, Oil	
Geoenvironmental Boring	
Abandoned According to Utility Records	
End of Information	

FINAL PAVEMENT SCHEDULE	
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.
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 1" IN DEPTH OR GREATER THAN 1.5" IN DEPTH.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5.5" IN DEPTH.
J1	PROP. 6" AGGEGRATE BASE COURSE
R1	SHOULDER BERM GUTTER
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V1	1.5" MILLING
V2	INCIDENTAL MILLING
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAIL 1)

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

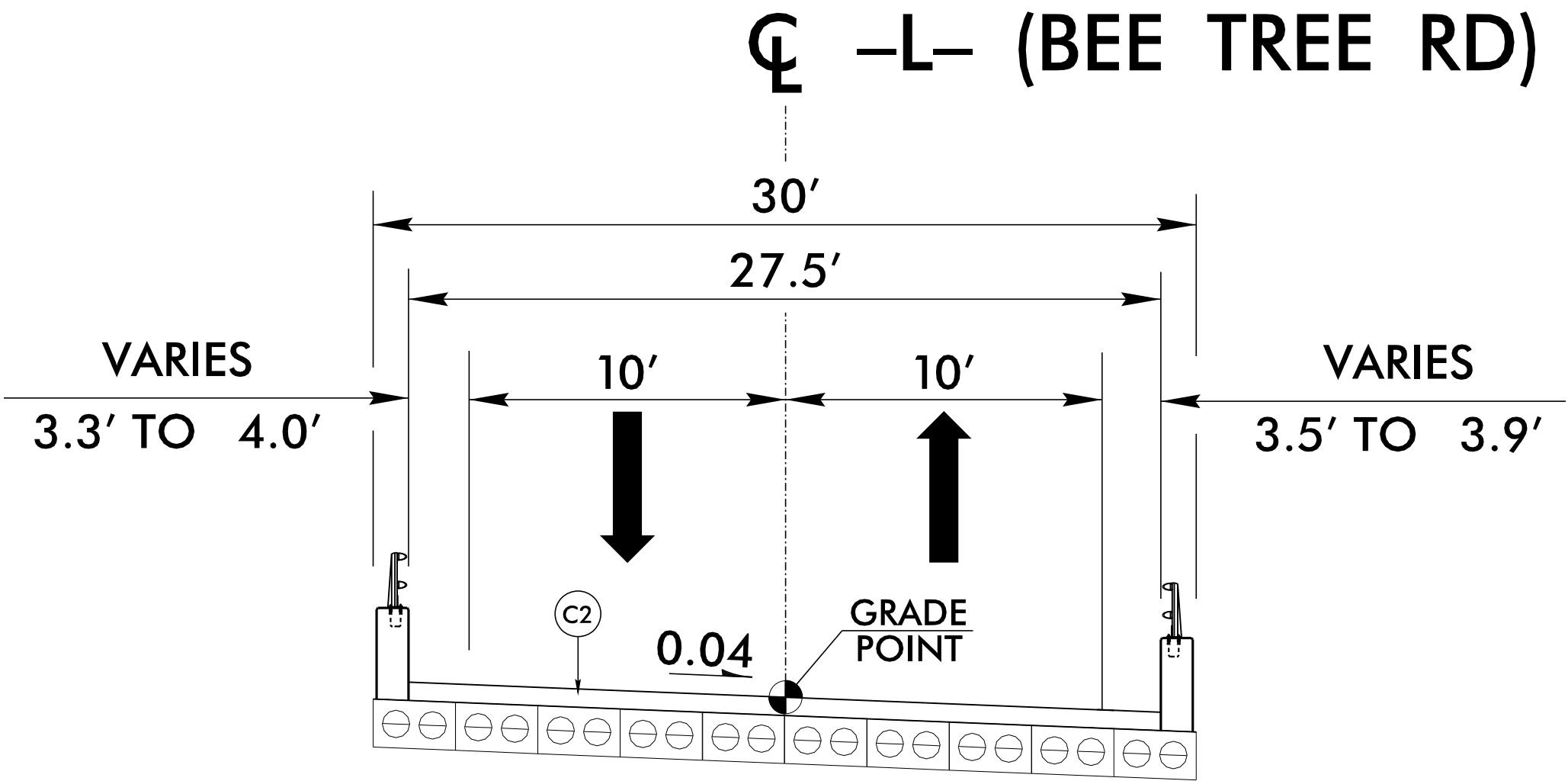


* SEE TYPICAL SECTIONS FOR DEPTHS OF MILLING, SURFACE COURSE THICKNESS AND WEDGING METHOD.



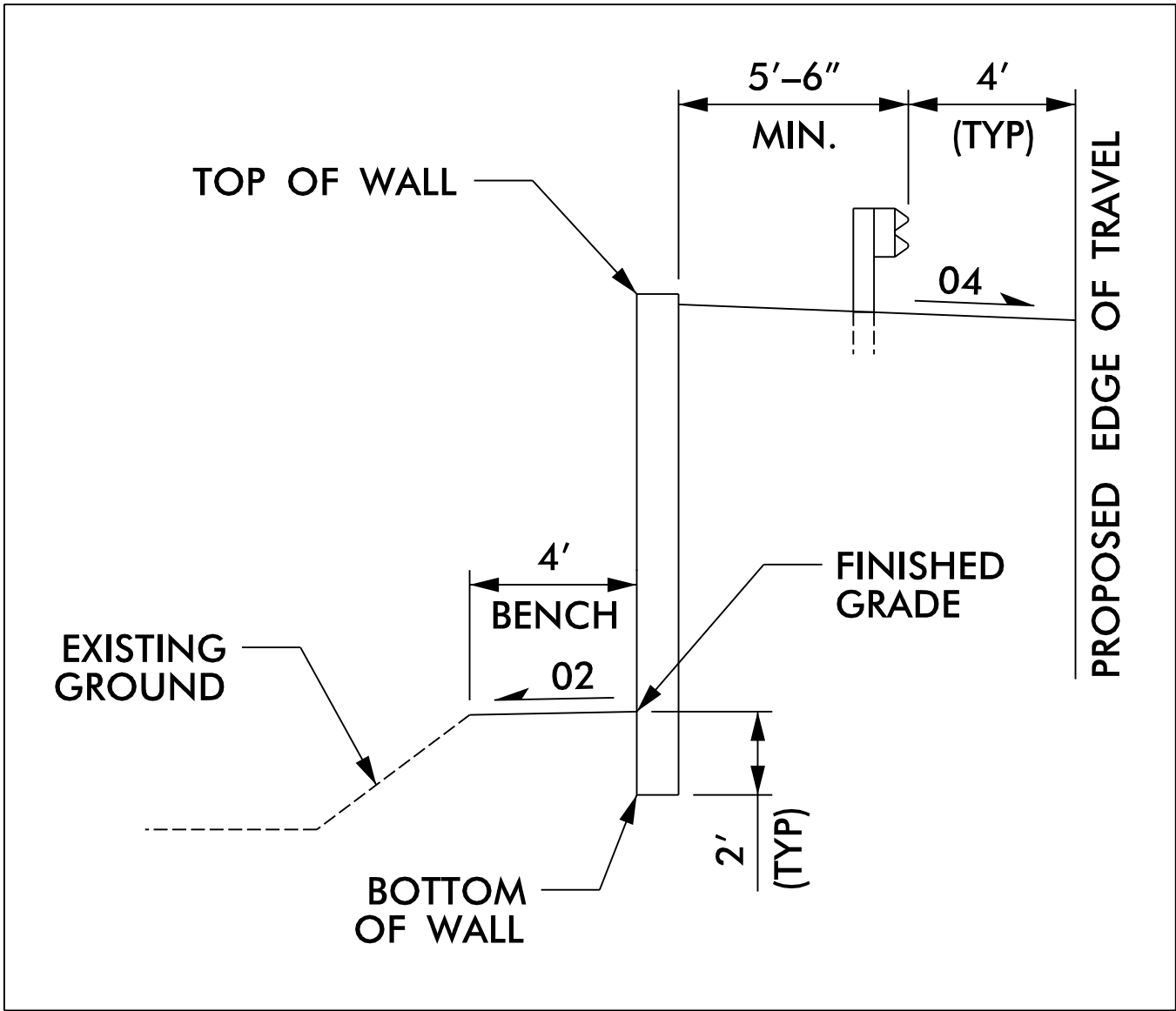
-L- STA. 14 + 50.00 TO STA. 16 + 23.70
-L- STA. 16 + 96.30 TO STA. 18 + 70.00

* PAVE TO THE FACE OF GUARDRAIL.
TURF SHOULDER TO EXTEND 3' BEHIND GUARDRAIL.

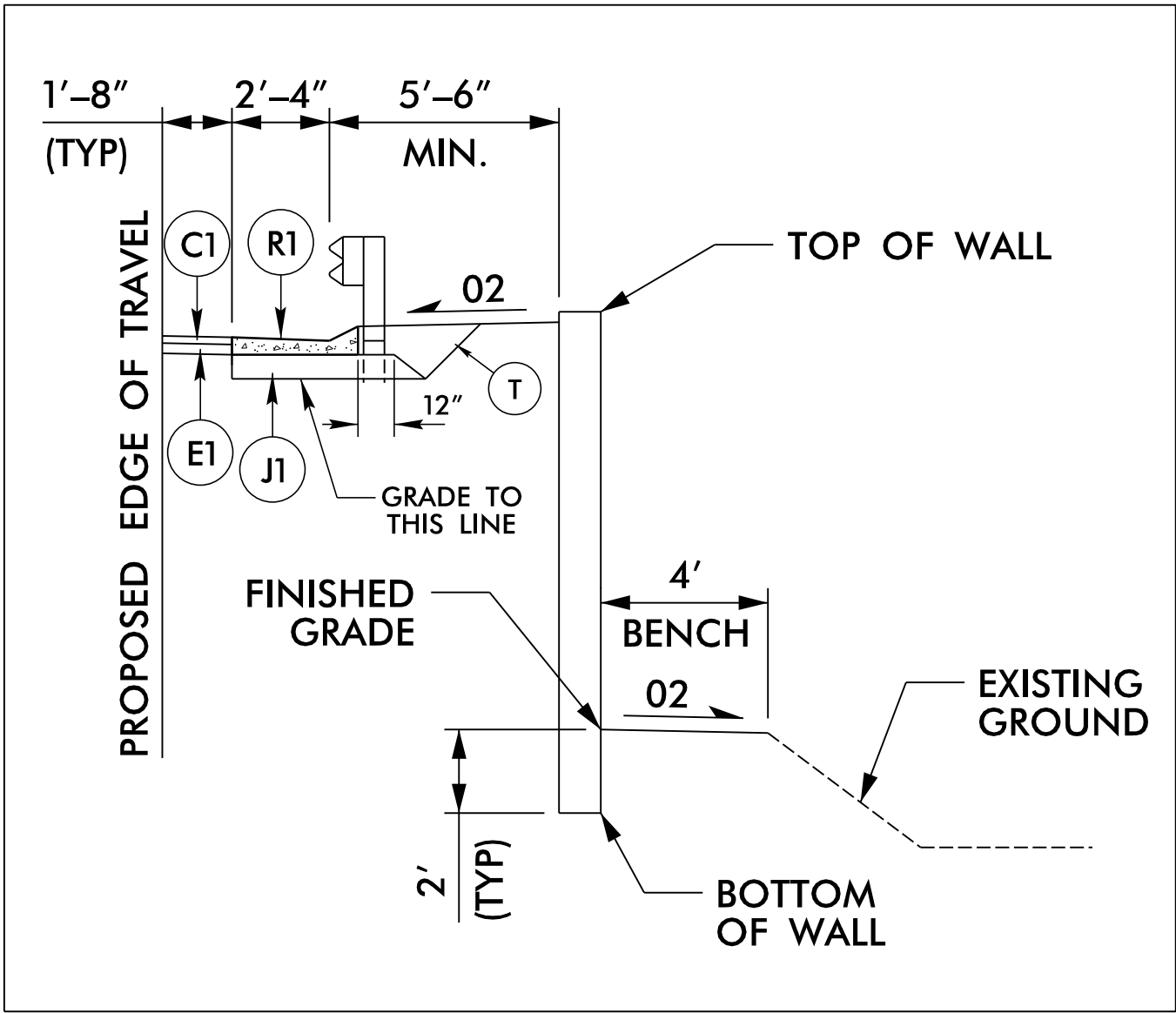


-L- STA. 16 + 23.70 TO STA. 16 + 96.30

NOTES:
SEE STRUCTURE PLANS FOR STRUCTURE CONSTRUCTION DETAILS



-L- STA. 15 + 25.00 TO STA. 16 + 12.54 LT
-L- STA. 18 + 00.00 TO STA. 18 + 25.00 RT (MIRROR)

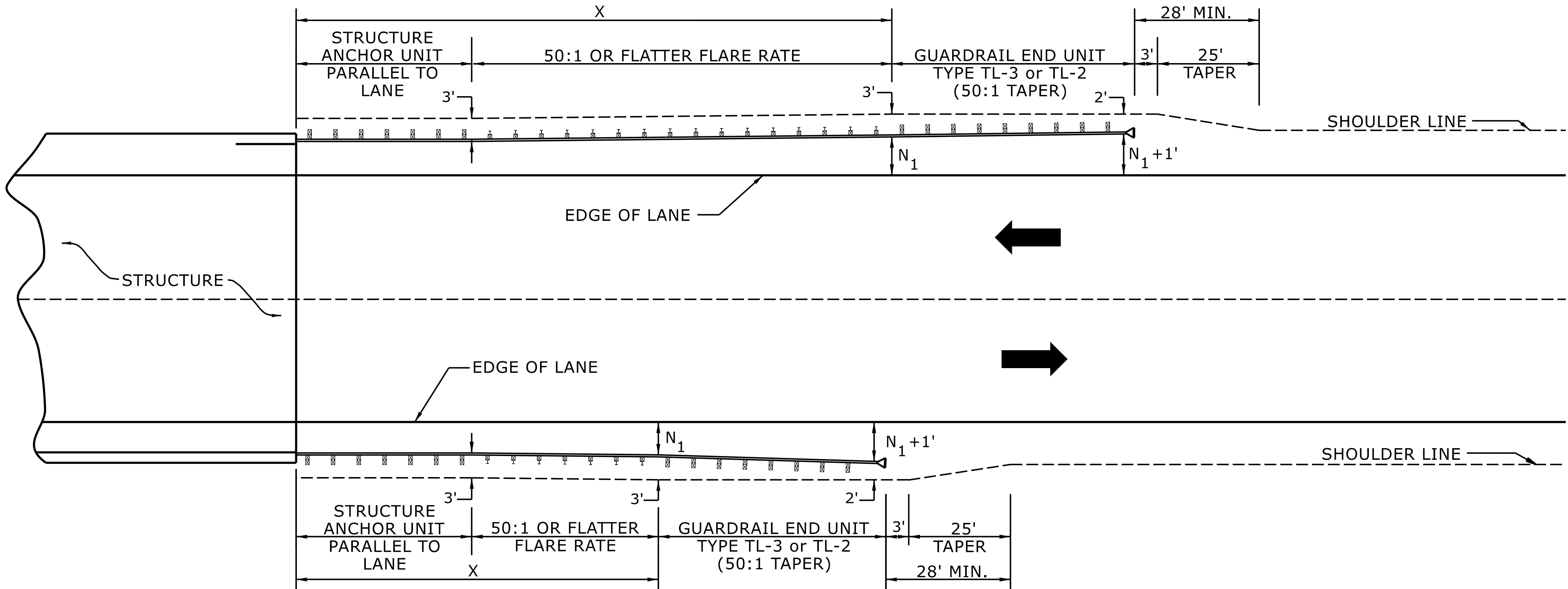


-L- STA. 17 + 04.63 TO STA. 18 + 00.00 (RT)

NOTES:
SEE PLANS FOR TAPERS.
MILL AS NEEDED.

PROJECT REFERENCE NO. B-5921		SHEET NO. 2A-1
RW SHEET NO.		
ROADWAY DESIGN ENGINEER 8/17/2026 Steve Mink	PAVEMENT ENGINEER 8/17/2026 Joseph T. Holland	
Seal for Steve Mink, Professional Engineer, Seal 017265, State of North Carolina, License # 017265. Seal for Joseph T. Holland, Professional Engineer, Seal 024964, State of North Carolina, License # 024964.		
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NV5 NV5 ENGINEERS & CONSULTANTS, INC. 3300 REGENCY PARKWAY, SUITE 100 CARY, NC 27518 P: 919.851.1912 www.NV5.com NC License # F-1333		

PROJECT REFERENCE NO.	SHEET NO.
B-5921	2C-1



USE FLARE RATE AS THE CONTROL IF THE "N₁" DISTANCE IS NOT OBTAINED.
("N₁" IS BASED ON SHOULDER WIDTHS IN THE ROADWAY DESIGN MANUAL)

SEE STD. 862.03 FOR STRUCTURE ANCHOR UNITS

FOR POSTED SPEEDS ≥ 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

SHEET 4 OF 15

862D01



Signed by:
Nicole M. Hacker
-588432034164CS..
11/21/2025

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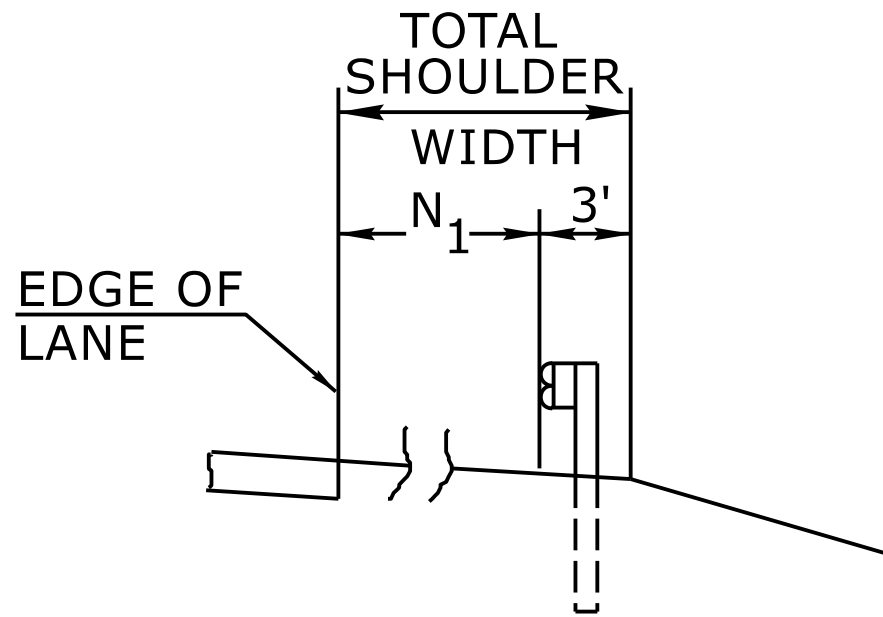
**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

Office 919-707-6950 FAX 919-250-4119

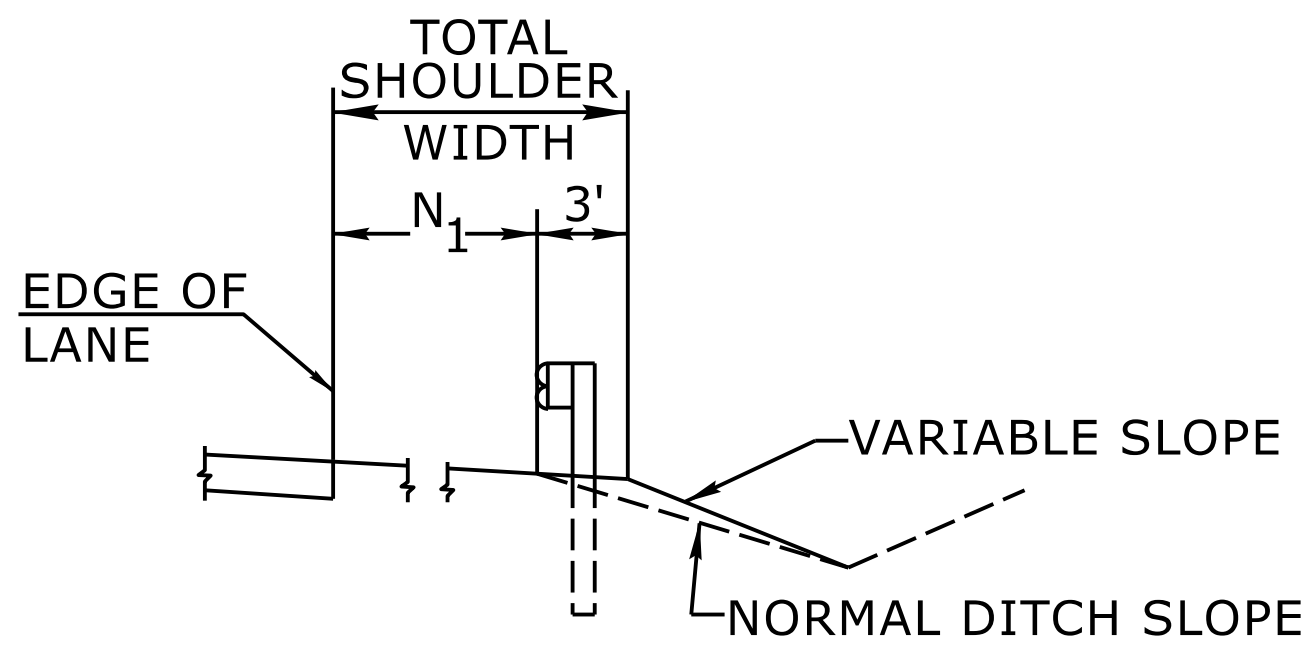
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ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.:

PROJECT REFERENCE NO.	SHEET NO.
B-5921	2C-2

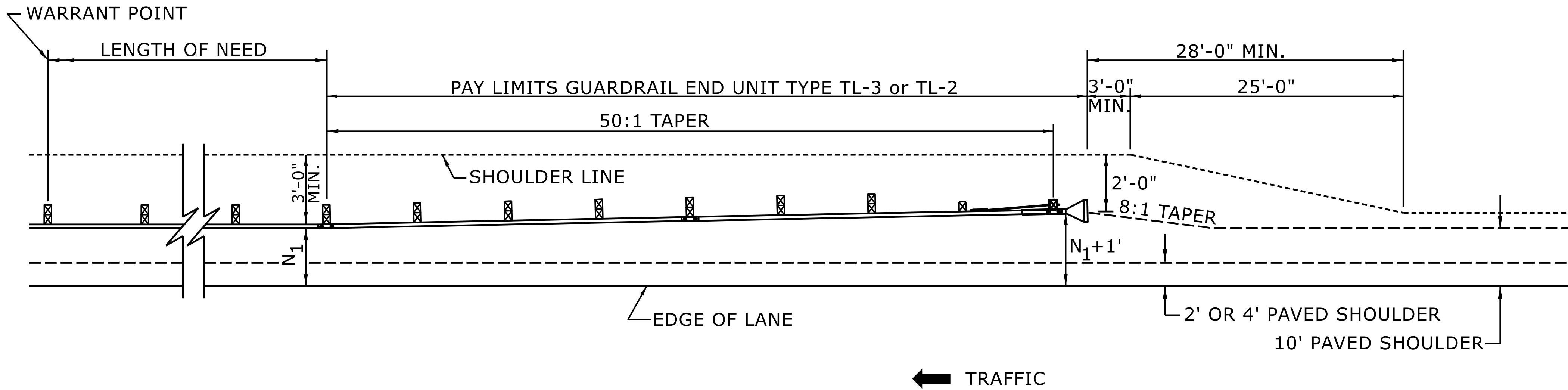


FILL SECTION



CUT SECTION

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



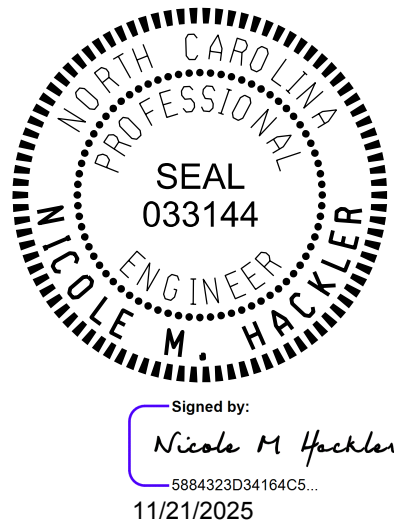
FOR POSTED SPEEDS ≥ 45mph USE GREU TYPE TL-3
FOR POSTED SPEEDS < 45mph USE GREU TYPE TL-2

DETAIL OF BEGINNING OF GUARDRAIL IN CUT OR FILL SECTION

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT

SHEET 6 OF 15
862D01

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



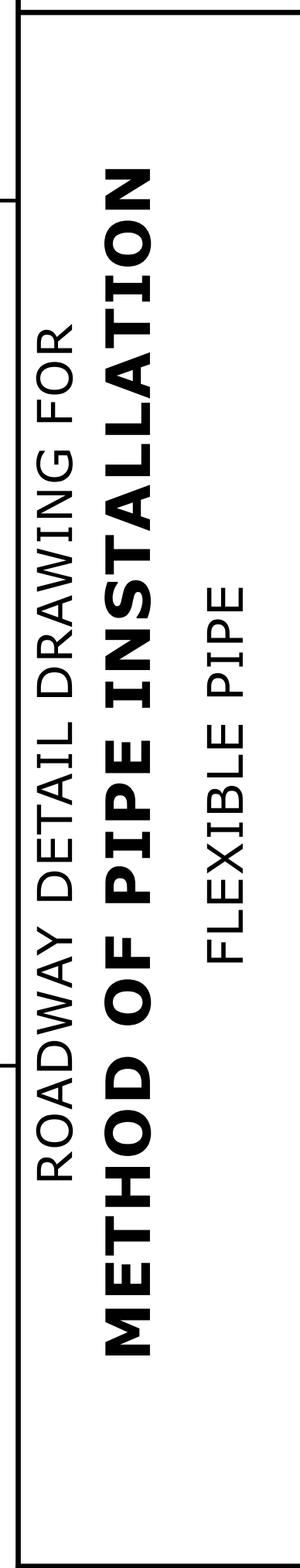
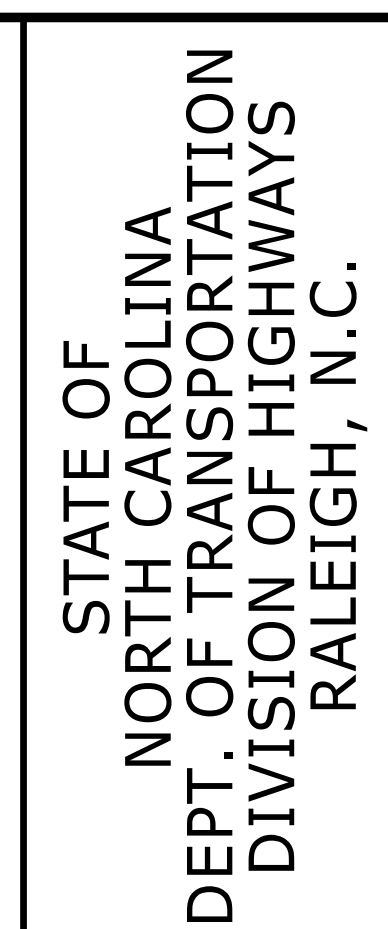
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**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

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.: DATE:



	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.



SHEET 1 OF 2
300.01

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
919-707-6950 FAX 919-250-4

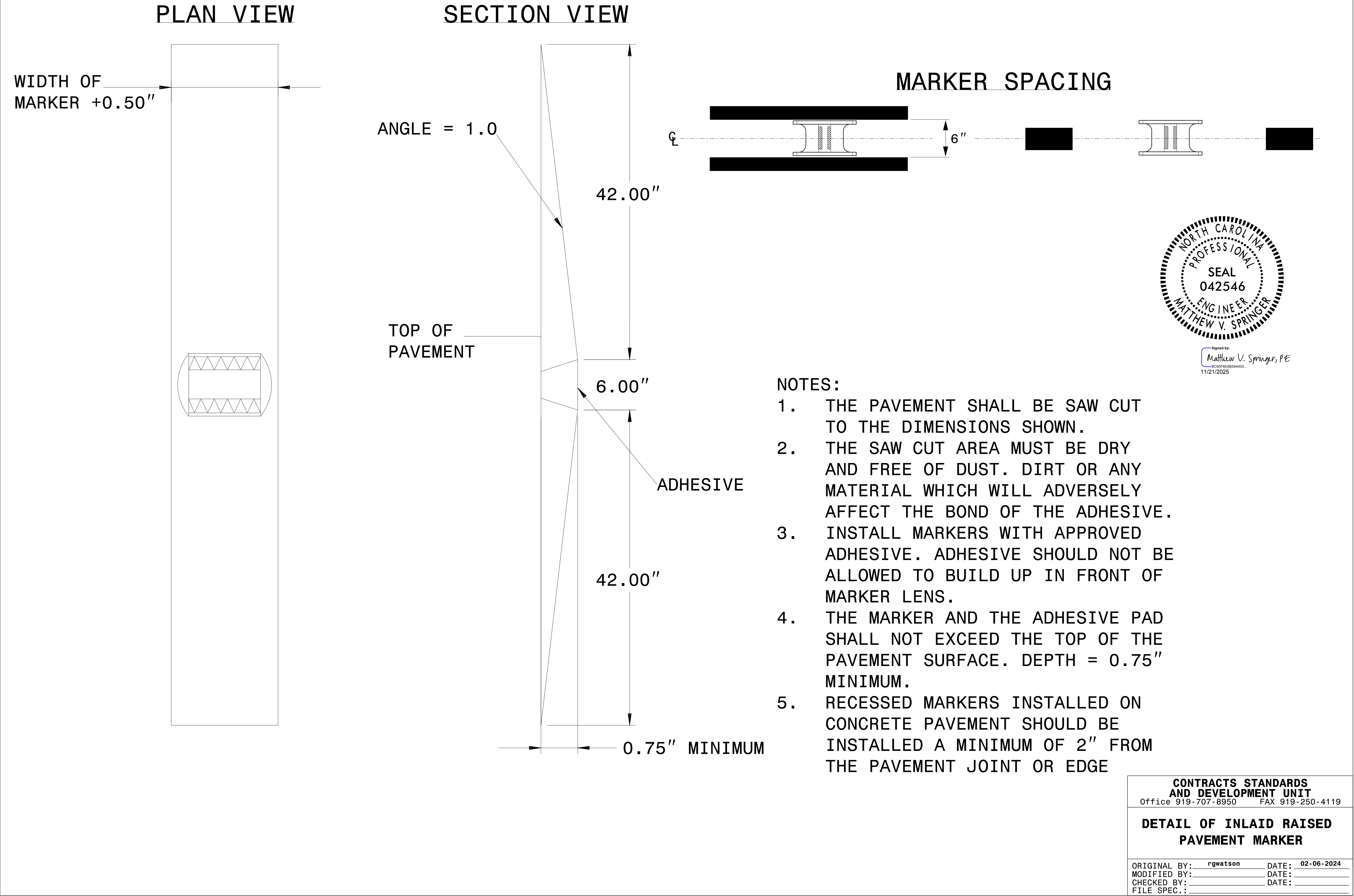
SEE TITLE BLOCK

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



Signed by:
Nicole M. Hackler
 5884323D34164C5...
 11/21/2025

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



SUMMARY OF EARTHWORK (IN CUBIC YARDS)

Note: Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.	
Note: Approximate quantities only. Unclassified Excavation, Fine Grading, Clearing and Grubbing, and Removal of Existing Pavement will be paid for at the contract lump sum price for grading.	
GEOTEXTILE FOR SOIL STABILIZATION = 400 CY (CONTINGENCY) SHALLOW UNDERCUT = 100 CY (CONTINGENCY) CLASS IV SUBGRADE STABILIZATION = 200 TONS (CONTINGENCY) SELECT GRANULAR MATERIAL = 200 CY (CONTINGENCY) GEOTEXTILE FOR SUBGRADE STABILIZATION = 300 SY (CONTINGENCY) UNDERCUT = 450 CY (CONTINGENCY)	

MILLING ASPHALT PAVEMENT

SURVEY LINE	STATION	STATION	LOCATION LT/RT	MILLING AREA
-L-	15+00.00	16+18.40	CL	239.74
-L-	17+02.20	18+20.00	CL	238.25
			TOTAL:	477.99
			SAY:	500

INCIDENTAL MILLING

SURVEY LINE	STATION	STATION	LOCATION LT/RT	MILLING AREA
-L-	14+50.00	15+00.00	CL	104.83
-L-	18+20.00	18+70.00	CL	106.10
			TOTAL:	210.93
			SAY:	220

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
GUARDRAIL SUMMARY

G = GATING IMPACT ATTENUATOR
TYPE 350
NG = NON-GATING IMPACT
ATTENUATOR TYPE 350

[illegible]

PROJECT NO.	SHEET NO.
B-5921	3D-1

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

[illegible]

COMPUTED BY: J. Daily DATE: 4/25/2024

CHECKED BY: L. Campos DATE: 4/25/2024

(2-3-23)

STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

PROJECT NO.

B-5921

SHEET NO.

3G-1

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
CONTINGENCY				SD	200
				TOTAL LF:	200

*UD = Underdrain
*BD = Blind Drain
*SD = Subsurface Drain

SUMMARY OF ROCK PLATING

LINE	Beginning Slope (H:V)	Approx. Station	Ending Slope (H:V)	Approx. Station	Location LT/RT	Rock Plating Detail No. 1/2/3/4	Riprap Class* 1/2/B	Rock Plating SY
-L-	1.5:1	15+25	1.5:1	15+75	RT	4	1	75
-L-	1.5:1	16+95	1.5:1	17+25	LT	3	1	50
CONTINGENCY								
							TOTAL SY:	175

*Use Class 1, 2 or B riprap if riprap class is not shown for rock plating location.

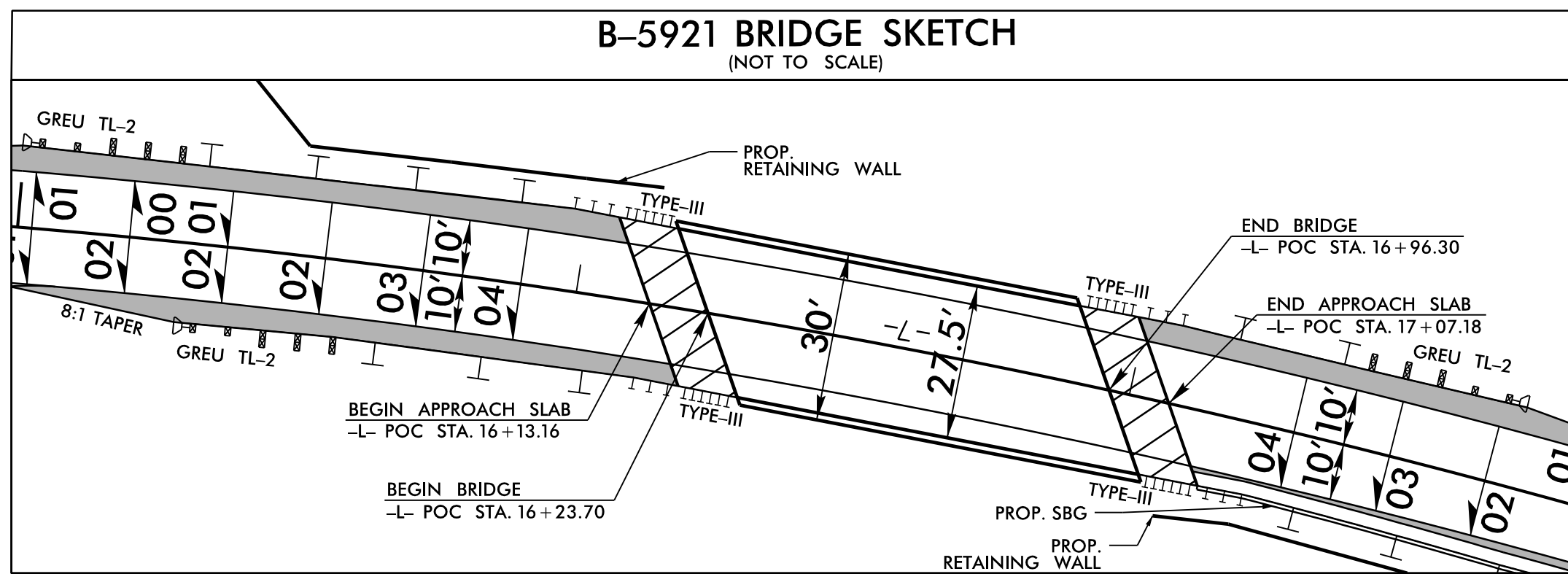
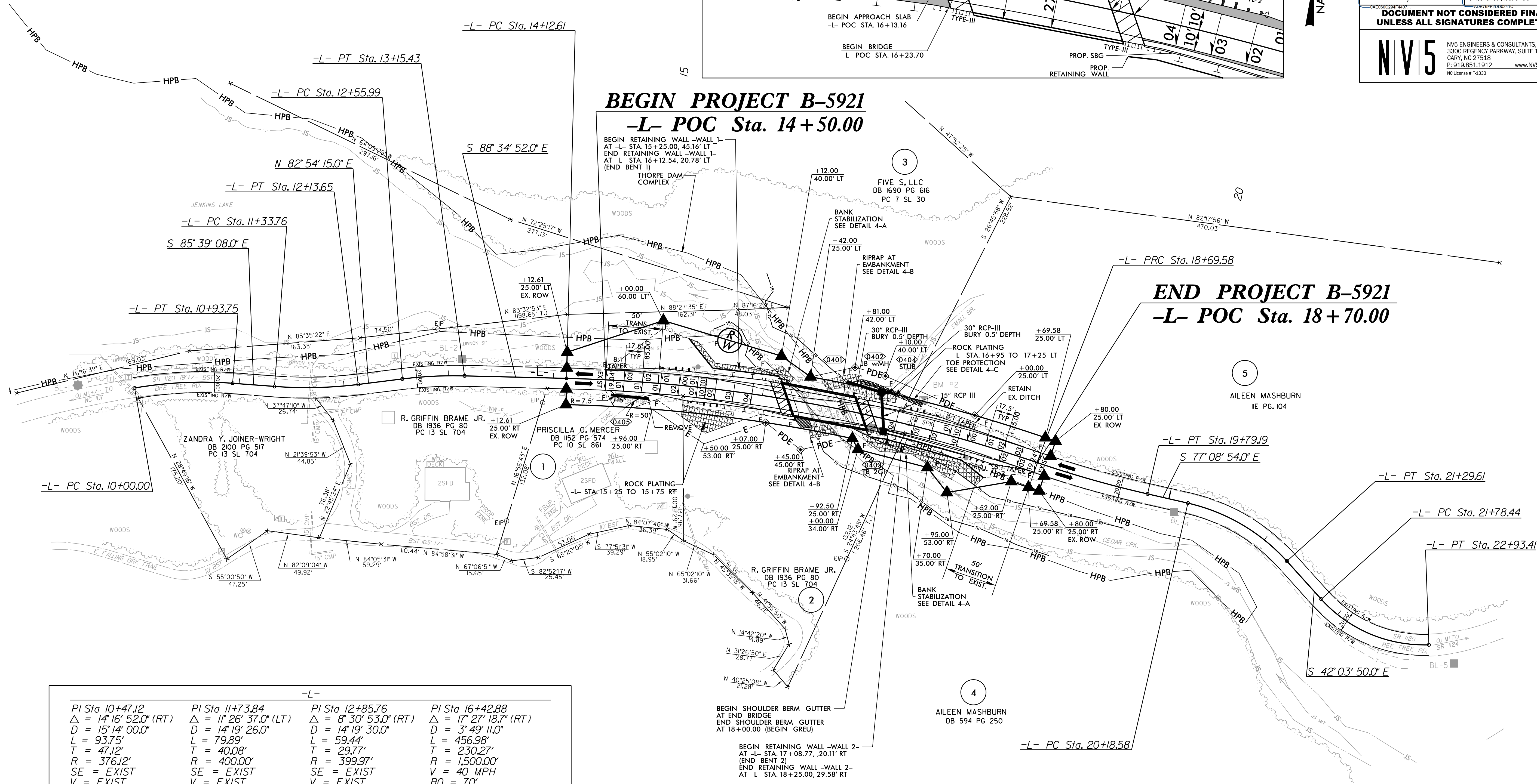
SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

LINE	Station	Station	Aggregate Type* ASU(1/2)/ AST	Aggregate Thickness INCHES [8" for ASU(2)]	Shallow Undercut CY	Class IV Subgrade Stabilization TONS	Geotextile for Subgrade Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS
CONTINGENCY			ASU	12	100	200	300		
			TOTAL CY/TONS/SY:		100	200**	300**	0	0

*ASU(1/2) = Aggregate Subgrade (Type 1 or 2)
*AST = Aggregate Stabilization
**Total tons of "Class IV Subgrade Stabilization" and total square yards of "Geotextile for Subgrade Stabilization" are only the estimated quantities for ASU(1/2)/AST and may only represent a portion of the subgrade stabilization and geotextile quantities shown in the Item Sheets of the Proposal.

8/17/99

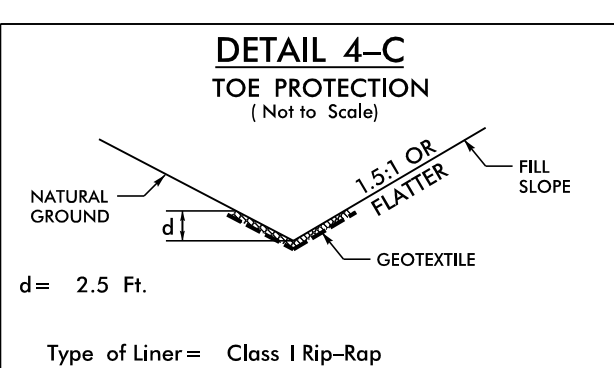
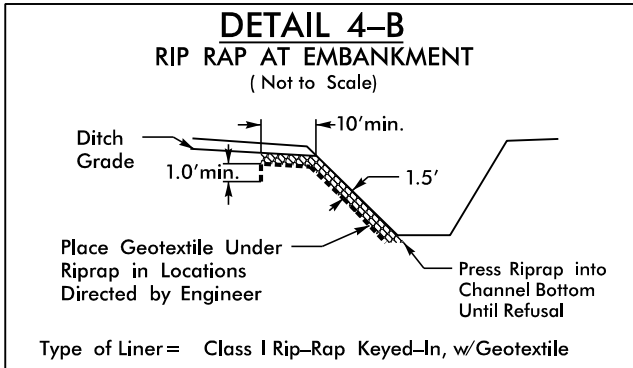
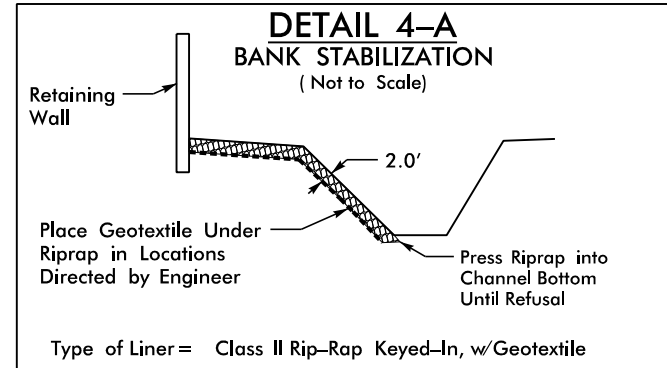
6/16/2026
R:\Roadway\Projects\B5921\RDY_PSH_04.dgn
Erico Martin



NAD 83/NA 2011

PROJECT REFERENCE NO. B-5921		SHEET NO. 4	
ROADWAY DESIGN ENGINEER 6/16/2026 		HYDRAULICS ENGINEER 6/17/2026 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
		NV5 ENGINEERS & CONSULTANTS, INC. 3300 REGENCY PARKWAY, SUITE 100 CARY, NC 27518 P: 919.851.1912 www.NV5.com NC License # F-03393	

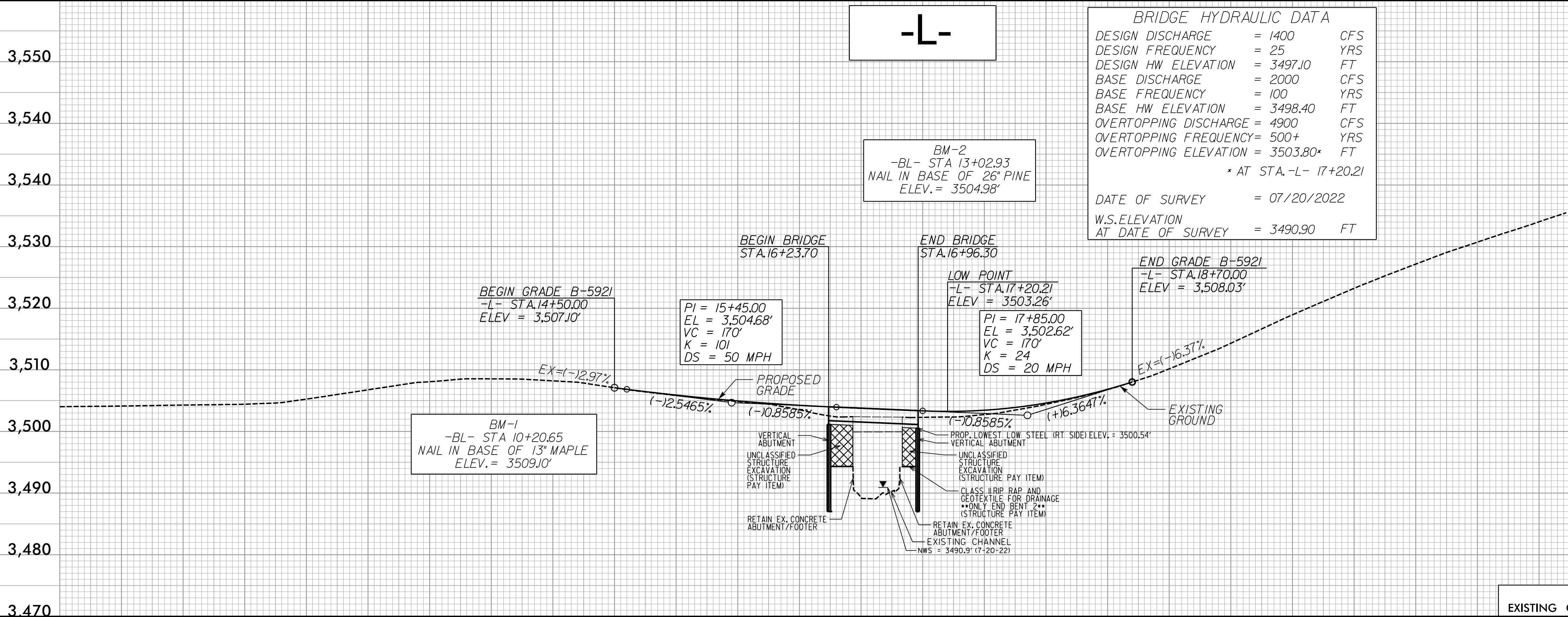
-L-			
PI Sta 10+47.12 Δ = 14' 16" 52.0" (RT) D = 15' 14" 00.0" L = 93.75' T = 47.12' R = 376.12' SE = EXIST V = EXIST	PI Sta 11+73.84 Δ = 11' 26' 37.0" (LT) D = 14' 19' 26.0" L = 79.89' T = 40.08' R = 400.00' SE = EXIST V = EXIST	PI Sta 12+85.76 Δ = 8' 30' 53.0" (RT) D = 14' 19' 30.0" L = 59.44' T = 29.77' R = 399.97' SE = EXIST V = EXIST	PI Sta 16+42.88 Δ = 17' 27' 18.7" (RT) D = 3' 49' 11.0" L = 456.98' T = 230.27' R = 1,500.00' V = 40 MPH RO = 70'
PI Sta 19+24.44 Δ = 6' 01' 20.7" (LT) D = 5' 29' 40.0" L = 109.61' T = 54.86' R = 1,042.79' SE = EXIST V = EXIST	PI Sta 20+75.90 Δ = 35' 05' 04.0" (RT) D = 31' 35' 50.0" L = 111.04' T = 57.32' R = 181.33' SE = EXIST V = EXIST	PI Sta 22+39.86 Δ = 49' 56' 41.0" (LT) D = 43' 26' 30.0" L = 114.97' T = 61.42' R = 131.89' SE = EXIST V = EXIST	



- HPB- HISTORIC PROPERTY BOUNDARY
- ROCK PLATING /ROCK EMBANKMENT
- PAVED SHOULDER

FOR -L- PROFILE SEE SHEET 5
FOR STRUCTURE PLANS SEE SHEETS S-1 TO S-20
FOR WALL PLANS SEE SHEETS W-1 THRU W-3

5/28/24



-L-

BM-2
-BL- STA 13+02.93
NAIL IN BASE OF 26" PINE
ELEV.= 3504.98'

BRIDGE HYDRAULIC DATA		
DESIGN DISCHARGE	= 1400	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 3497.10	FT
BASE DISCHARGE	= 2000	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 3498.40	FT
OVERTOPPING DISCHARGE	= 4900	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 3503.80*	FT
* AT STA. -L- 17+20.21		
DATE OF SURVEY = 07/20/2022		
W.S.ELEVATION AT DATE OF SURVEY = 3490.90 FT		

BM-1
-BL- STA 10+20.65
NAIL IN BASE OF 13" MAPLE
ELEV.= 3509.10'

PI = 15+45.00
EL = 3,504.68'
VC = 170'
K = 101
DS = 50 MPH

PI = 17+85.00
EL = 3,502.62'
VC = 170'
K = 24
DS = 20 MPH

BEGIN BRIDGE
STA.16+23.70

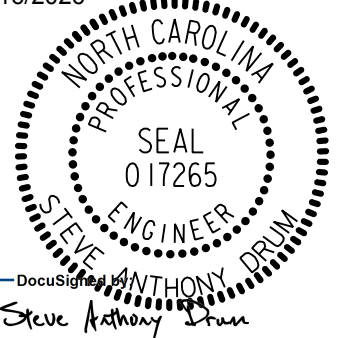
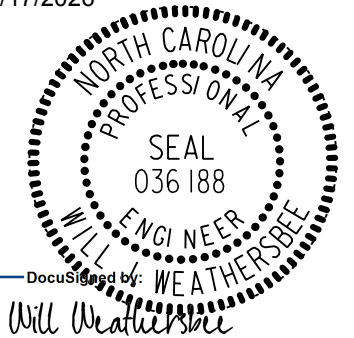
END BRIDGE
STA.16+96.30

LOW POINT
-L- STA.17+20.21
ELEV = 3503.26'

END GRADE B-5921
-L- STA.18+70.00
ELEV = 3,508.03'

- PROPOSED GRADE
- EXISTING GROUND
- VERTICAL ABUTMENT
- UNCLASSIFIED STRUCTURE EXCAVATION (STRUCTURE PAY ITEM)
- CLASS II RIP RAP AND GEOTEXTILE FOR DRAINAGE ***ONLY END BENT*** (STRUCTURE PAY ITEM)
- RETAIN EX. CONCRETE ABUTMENT/FOOTER
- RETAIN EX. CONCRETE ABUTMENT/FOOTER
- EXISTING CHANNEL
- NWS = 3490.9' (7-20-22)
- PROP. LOWEST LOW STEEL (RT. SIDE) ELEV. = 3500.54'

FOR -L- PLAN, SEE SHEET 4
EXISTING GROUND PROFILE SHOWN AT PGL

PROJECT REFERENCE NO. B-5921		SHEET NO. 5
ROADWAY DESIGN ENGINEER 3/16/2026 	HYDRAULICS ENGINEER 3/17/2026 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
 NVS ENGINEERS & CONSULTANTS, INC. 3300 REGENCY PARKWAY, SUITE 100 CARY, NC 27518 P: 919.851.1912 www.NVS.com NC License # F-1333		

3,520

3,510

3,500

3,490

3,480

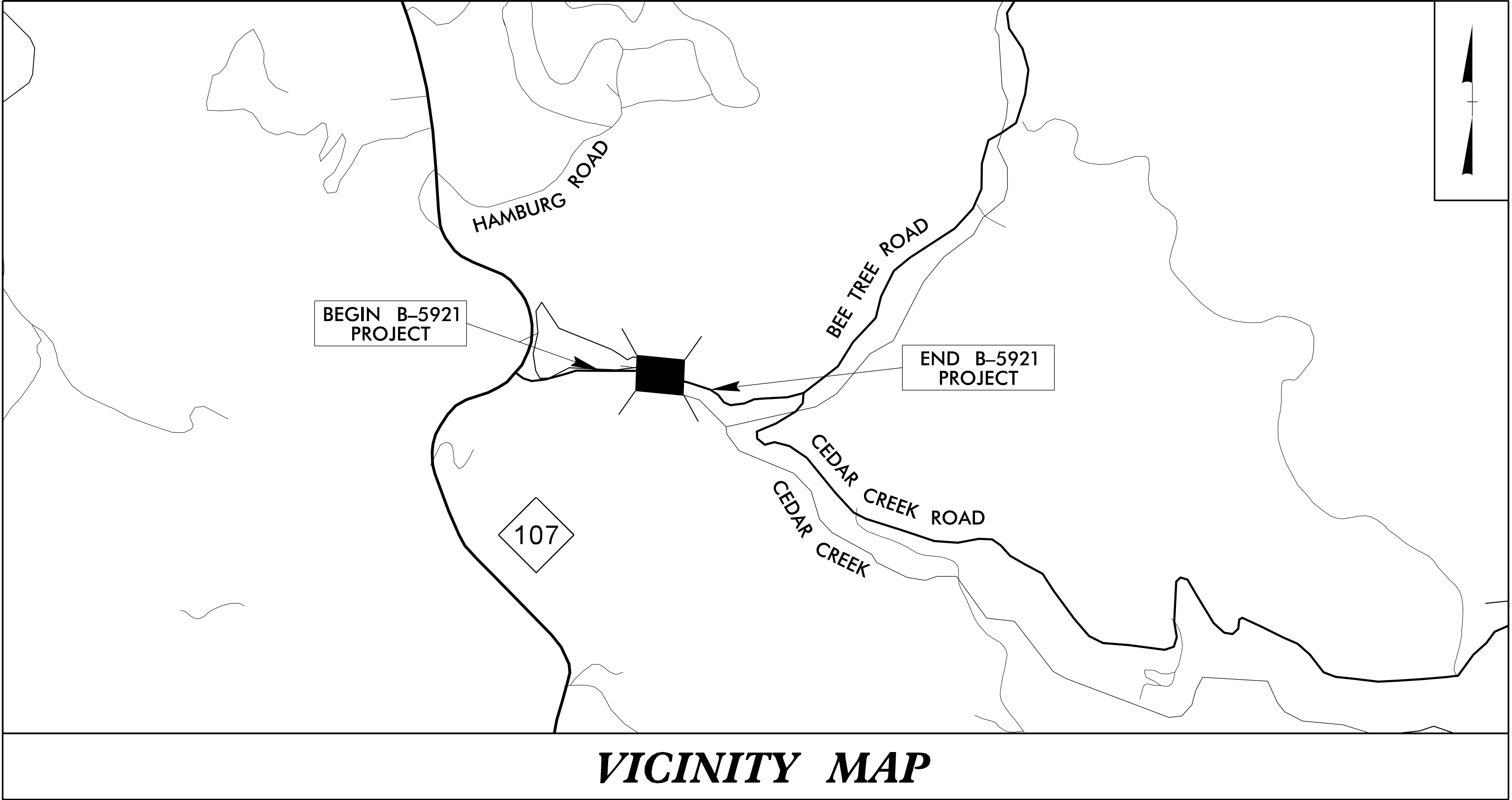
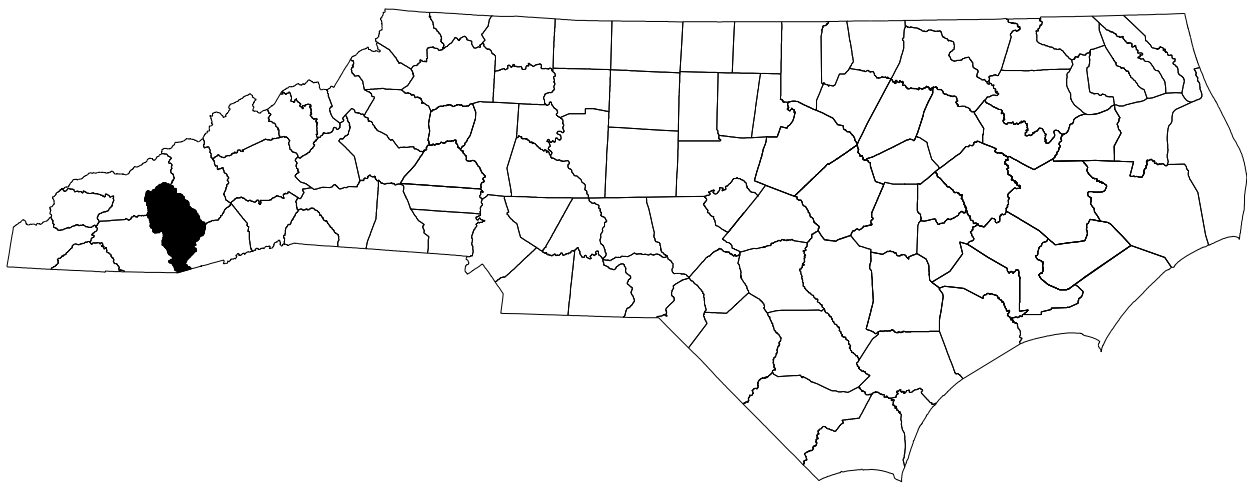
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

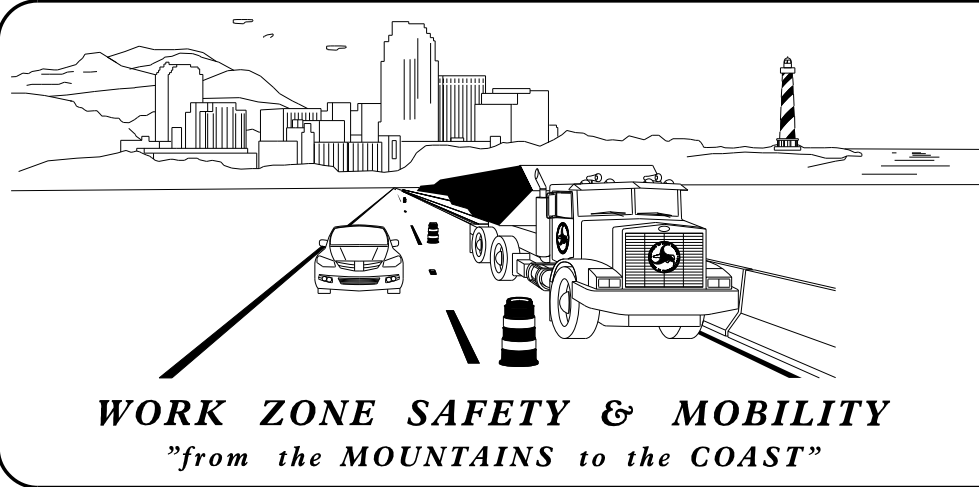
TRANSPORTATION MANAGEMENT PLAN

JACKSON COUNTY

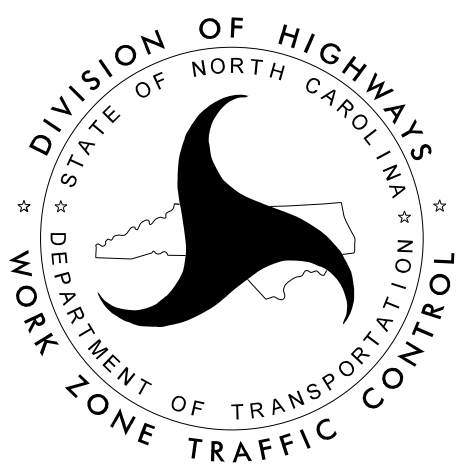
BRIDGE REPLACEMENT OF BRIDGE #8 ON SR 1120 (BEE TREE ROAD)
OVER CEDAR CREEK



VICINITY MAP

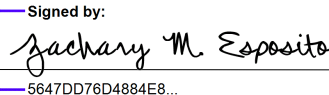


PLANS PREPARED BY:
ZACHARY M. ESPOSITO, PE, TCDS
PROJECT ENGINEER
MIKAYLA M. LINDSEY, PE
PROJECT DESIGN ENGINEER



DRMP, INC.
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www.drmp.com

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APPROVED: 
DATE: 11/21/2025

SEAL



INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET AND INDEX OF SHEETS
TMP-2	ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-3A	GENERAL NOTES
TMP-3B	DETOUR SIGN DESIGN
TMP-4	TRANSPORTATION MANAGEMENT STRATEGIES & PHASING PLAN
TMP-5	DETOUR ROUTE

SHEET NO.
TMP-1

PROJECT: B-5921
CONTRACT: DN01145

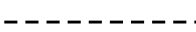
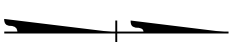
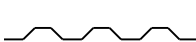
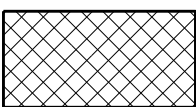
ROADWAY STANDARD DRAWINGS

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:

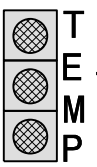
STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1145.01	BARRICADES - TYPE III
1150.01	FLAGGERS
1180.01	SKINNY DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES

LEGEND

GENERAL

-  DIRECTION OF TRAFFIC FLOW
-  DIRECTION OF PEDESTRIAN TRAFFIC FLOW
-  EXIST. PVMT.
-  NORTH ARROW
-  PROPOSED PVMT.
-  TEMP. SHORING (LOCATION PURPOSES ONLY)
-  WORK AREA
-  REMOVAL

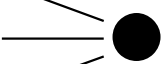
SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY

PAVEMENT MARKINGS

-  EXISTING LINES
-  TEMPORARY LINES

TRAFFIC CONTROL DEVICES

-  BARRICADE (TYPE III)
-  CONE
-  DRUM
-  SKINNY DRUM
-  TUBULAR MARKER
-  TEMPORARY CRASH CUSHION
-  FLASHING ARROW BOARD
-  FLAGGER
-  LAW ENFORCEMENT
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

-  PORTABLE SIGN
-  STATIONARY SIGN
-  STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

-  CRYSTAL/CRYSTAL
-  CRYSTAL/RED
-  YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

-  PAVEMENT MARKING SYMBOLS

PROJ. REFERENCE NO.

B-5921

SHEET NO.

TMP-2



DRMP

DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
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NC LICENSE NO. F-1524
www.drmp.com

APPROVED: 

DATE: 11/21/2025

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ROADWAY STANDARD
DRAWINGS & LEGEND

DOCUMENT NOT CONSIDERED FINAL
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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 UNDESIRED 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.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- A) 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.
- B) 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.
- C) 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.
- D) 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.
- E) 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.
- F) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON BEE TREE ROAD.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- G) 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.

PAVEMENT EDGE DROP OFF REQUIREMENTS CONT.

- H) 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) 200FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- J) 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.
- K) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- L) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- M) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- N) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 200FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

- O) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

- P) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

PROJ. REFERENCE NO.

B - 5921

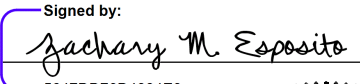
SHEET NO.

TMP-3A



DRMP, INC.
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CHARLOTTE, NC 28262
PHONE: 704-546-4230

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www.dmp.com

APPROVED: 

DATE: 11/21/2025

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GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
B - 5921	TMP-3B


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DRMP, INC.
 8210 UNIVERSITY EXECUTIVE PARK DR. NC LICENSE NO. F-1524
 SUITE 220
 CHARLOTTE, NC 28262 www.drmp.com
 PHONE: 704-549-4260

SIGN NUMBER: SD-1

TYPE: D

QUANTITY: 19

SIGN WIDTH: 3'-6"

HEIGHT: 2'-6"

TOTAL AREA: 8.75 Sq.Ft.

BORDER TYPE:

RECESS:

WIDTH:

RADII: 1.5"

NO. Z BARS:

LENGTH:

BACKG COLOR: Fluorescent Orange

COPY COLOR: Black

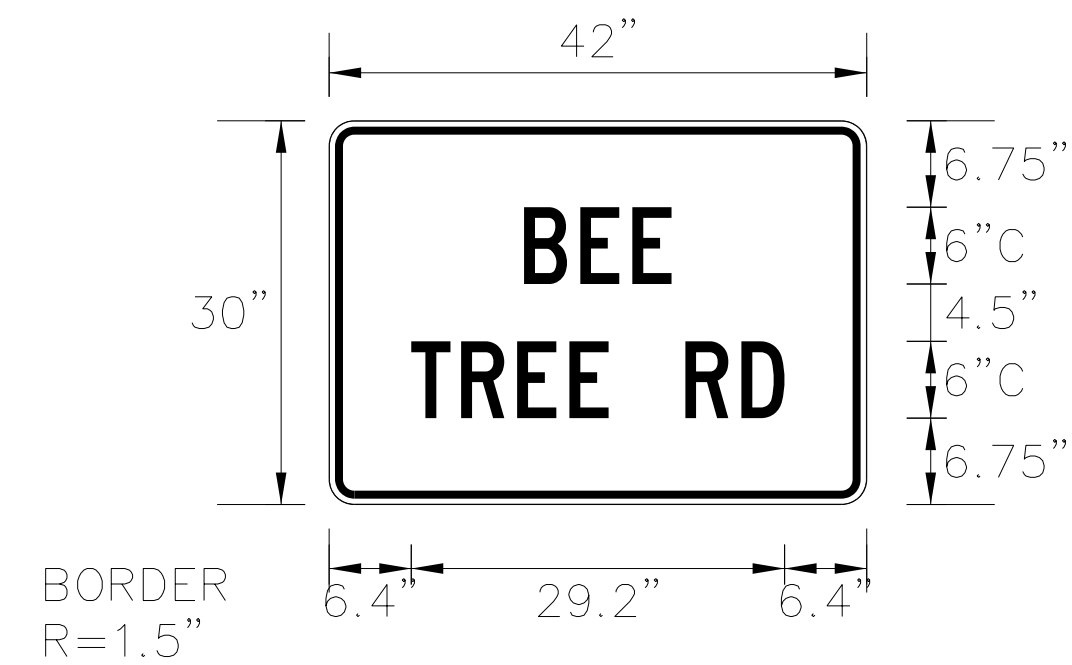
SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: MML
PROJECT ID: B-5921

CHECKED BY: ZME
LOCATION:

Sep 30, 2024
DIV: 14



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

[illegible]

FILENAME: B-5921_TC_SD

NORTH CAROLINA D.O.T. SIGN DETAIL

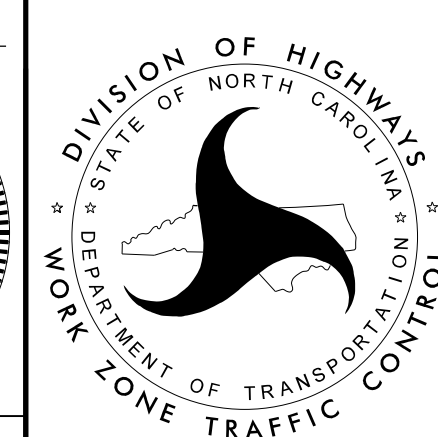
Signed by: Raymond M. Esposto
06470078D488AE8...

APPROVED: _____

DATE: 11/21/2025

SEAL

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



DETOUR SIGN DESIGN

TRANSPORTATION MANAGEMENT STRATEGIES

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

- TRAFFIC MANAGEMENT STRATEGIES:
- FULL ROADWAY CLOSURES
 - OFF-SITE DETOURTS / USE OF ALTERNATIVE ROUTES
 - ONE-LANE, TWO WAY OPERATION (FLAGGING)

GENERAL TRAFFIC CONTROL NOTES

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES (RSD 1101.01). FIELD VERIFY LOCATIONS WITH THE ENGINEER PRIOR TO INSTALLATION.

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES, SCHOOLS, BUS STOPS, EMERGENCY SERVICES, AND BUSINESSES DURING THE LIFE OF THE CONTRACT, PRIOR TO INCORPORATION, OBTAIN WRITTEN APPROVAL FROM THE ENGINEER ON METHOD TO MAINTAIN ACCESS.

WHEN USING LANE CLOSURES (RSD 1101.02), RETURN TRAFFIC TO EXISTING AND/OR TEMPORARY TRAFFIC PATTERN UPON ACTIVITIES COMPLETION, UNLESS OTHERWISE NOTED IN THE PHASING PLANS.

WHEN PHASING STATES TO USE LANE CLOSURES, REFER TO THE FOLLOWING FOR ALL EXISTING AND PROPOSED ROADS:

- ALL TWO-LANE/TWO-WAY FACILITIES SEE RSD 1101.02 SHEET 1 OF 19

TRAFFIC CONTROL NOTE 1:
FOR THE DURATION OF CONSTRUCTION, ENSURE ALL DRIVEWAY ACCESS IS MAINTAINED.

TRAFFIC CONTROL NOTE 2:
2 WEEKS PRIOR TO ANY CONSTRUCTION, CONTRACTOR SHALL INSTALL CMS BOARDS TO NOTIFY TRAFFIC OF UPCOMING ROAD CLOSURE.

PHASING PLAN

PHASE I

STEP 1:
INSTALL WORK ZONE ADVANCE WARNING SIGNS. (RSD 1101.01)

INSTALL DETOUR SIGNAGE FOR BEE TREE ROAD. AFTER INSTALLTION OF DETOUR SIGNAGE, COVER AND BAG DETOUR SIGNS FOR UNTIL STEP 2. (SEE TMP-5 FOR DETOUR SIGNAGE & FENAL SURFACE COURSE)

STEP 2:

AWAY FROM TRAFFIC, USING FLAGGERS, LANE CLOSURES, ROAD CLOSURES, RSD 1101.02 SHEET 1 OF 19, AND RSD 1101.03 SHEET 1 OF 9, UNBAG DETOUR SIGNAGE, MAINTAIN ACCESS TO PRIVATE DRIVEWAY, AND CLOSE BEE TREE ROAD WITH BARRICADES, AS NEEDED. TRAFFIC WILL BE DETOURED AWAY FROM BEE TREE ROAD FOR THE DURATION OF THIS STEP.

BEHIND BARRICADES, REMOVE THE EXISTING STRUCTURE (BRIDGE #8) AND CONSTRUCT THE PROPOSED BRIDGE UNDER NEW ALIGNMENT (INCLUDING DRAINAGE & FINAL SURFACE COURSE).

STEP 3:

UPON COMPLETION OF BRIDGE, REMOVE DETOUR SIGNING FOR BEE TREE ROAD AND ALLOW NORMAL TRAFFIC CONDITIONS ALONG BEE TREE ROAD.

PROJ. REFERENCE NO.	SHEET NO.
B - 5921	TMP-4

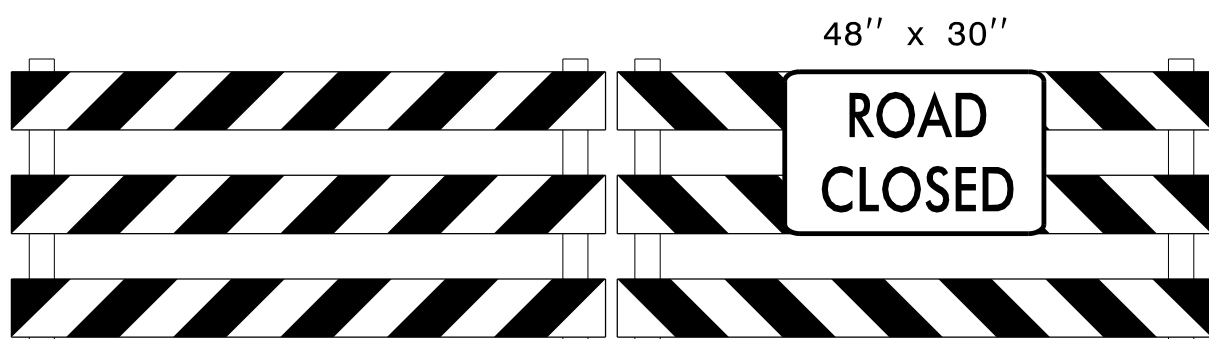
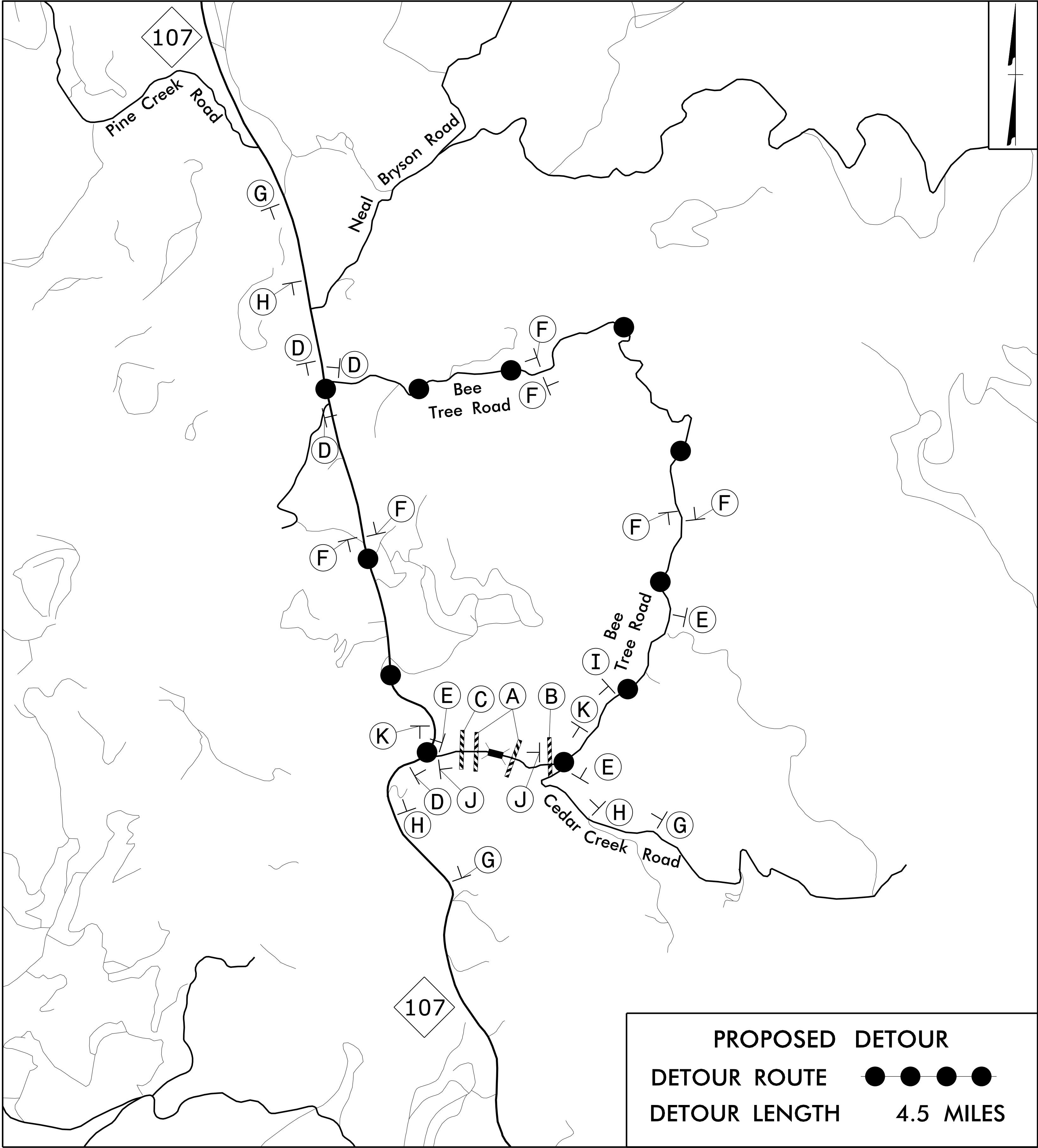


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8210 UNIVERSITY EXECUTIVE PARK DR. SUITE 200
CHARLOTTE, NC 28262
PHONE: 704-546-1230

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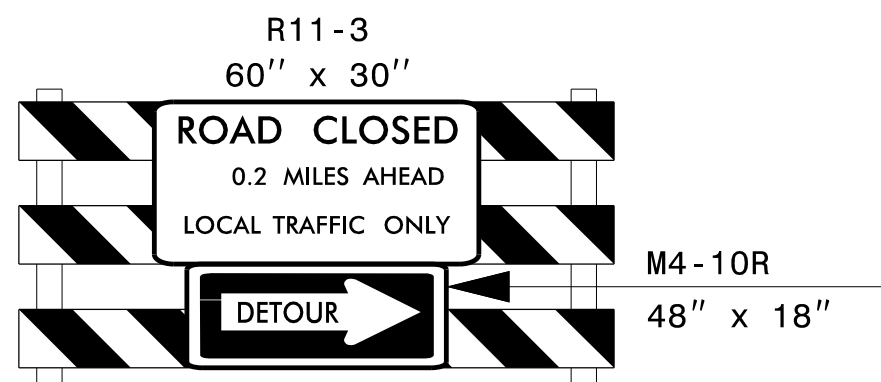
APPROVED:  DATE: 11/21/2025 SEAL  DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		TRANSPORTATION MANAGEMENT STRATEGIES & PHASING PLAN
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BEE TREE ROAD DETOUR VIA NC 107 AND CEDAR CREEK ROAD



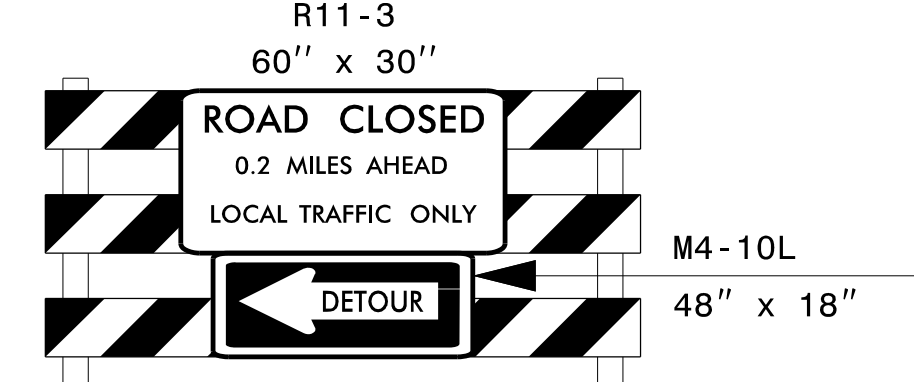
TYPE III BARRICADE(S)

A



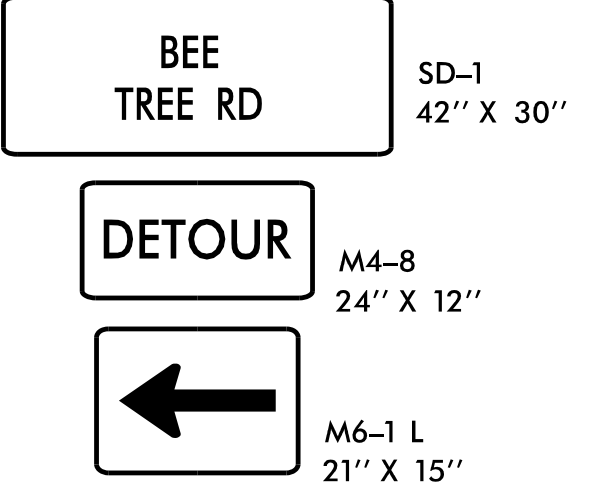
TYPE III BARRICADE

B

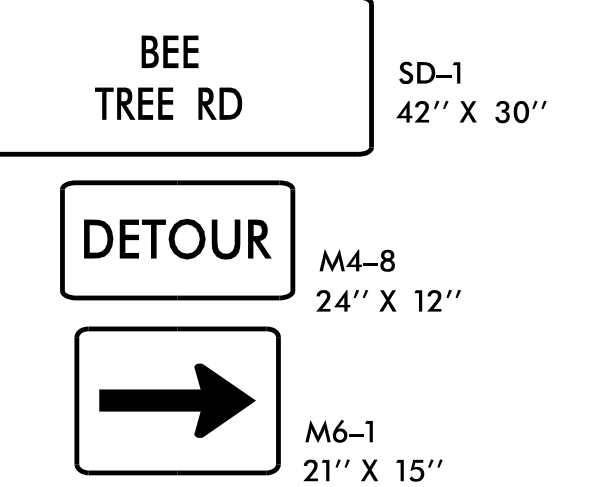


TYPE III BARRICADE

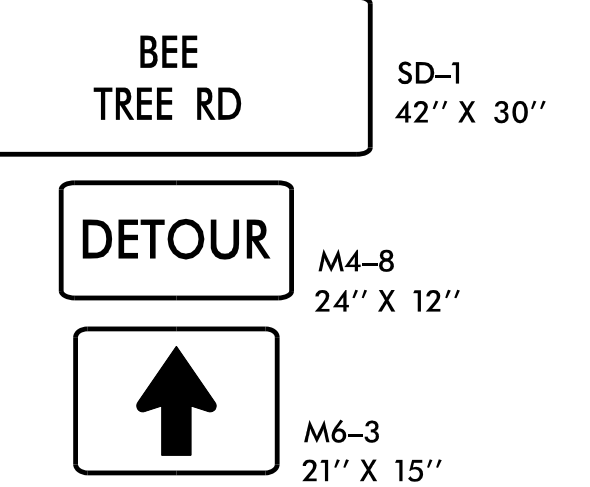
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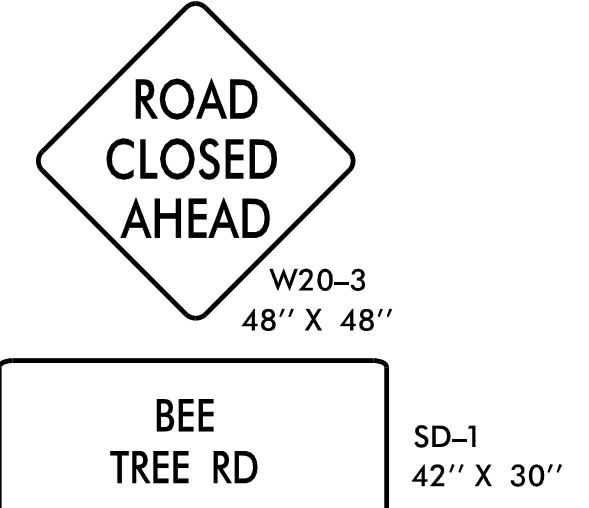
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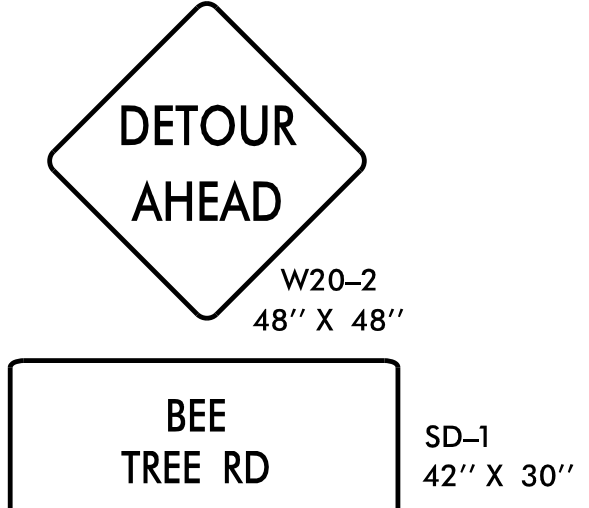
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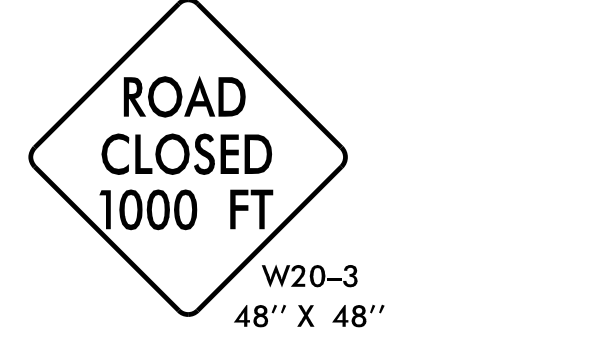
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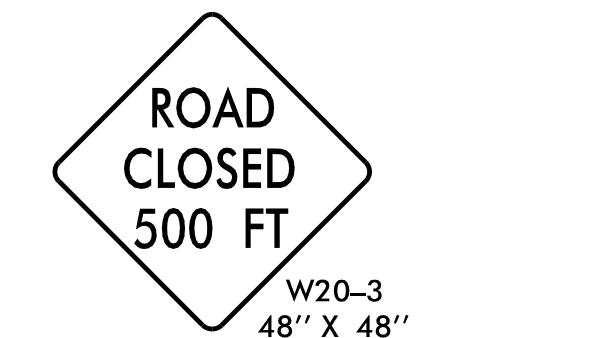
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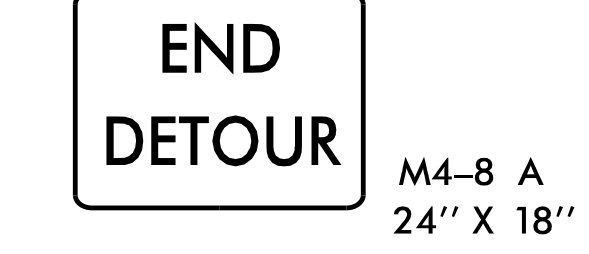
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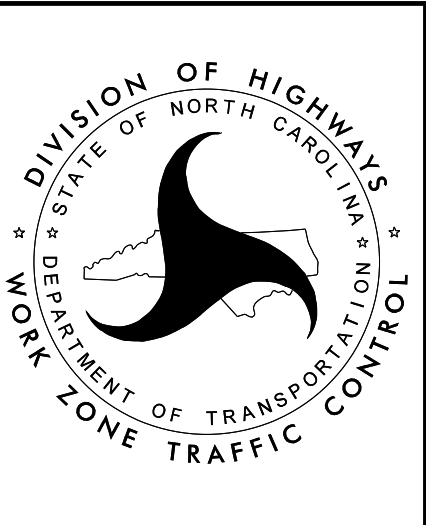


J



K

APPROVED: 
 DATE: 11/21/2025
 SEAL
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DETOUR ROUTE

CONTRACT: DN01145 PROJECT: B-5921

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
JACKSON COUNTY

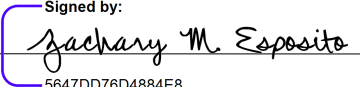
LOCATION: BRIDGE REPLACEMENT OF BRIDGE #8 ON SR 1120 (BEE TREE ROAD)
OVER CEDAR CREEK

PROJECT REFERENCE NO.
B-5921

SHEET NO.
PMP - 1

APPROVED:

Signed by:



DATE: 11/21/2025

SEAL



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY

PAVEMENT
MARKING SCHEDULE

SYMBOL	DESCRIPTION
THERMOPLASTIC (4", 90 MILS)	
T1	WHITE EDGELINE
T13	YELLOW DOUBLE CENTER

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4685000000	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	1900	L.F.
4892000000	1205	INLAID RASIED PAVEMENT MARKERS	10	E.A.

INDEX

SHEET NO.	DESCRIPTION
PMP-1	TITLE SHEET
PMP-2	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 1120 (BEE TREE ROAD)	THERMOPLASTIC	INLAID RASIED PAVEMENT MARKERS

- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- E) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.
- F) TYPE III COLD APPLIED PLASTIC MAY BE USED IN LIEU OF TYPE II COLD APPLIED PLASTIC. IF TYPE III COLD APPLIED PLASTIC IS USED, IT SHALL BE PAID FOR USING THE TYPE II COLD APPLIED PLASTIC PAY ITEM.

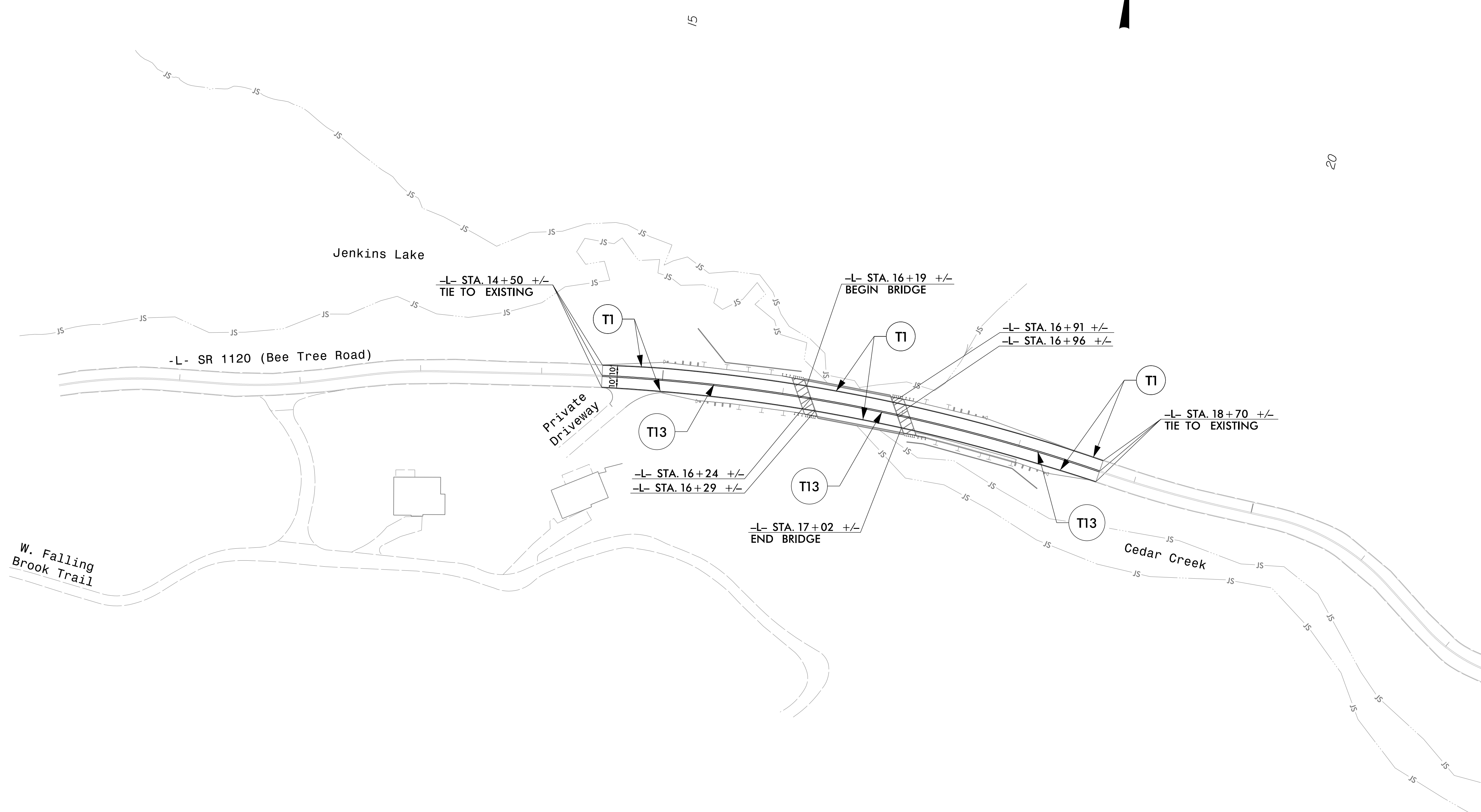
PLAN PREPARED BY: DRMP, Inc.

ZACHARY M. ESPOSITO, PE, TCDS PROJECT MANAGER

MIKAYLA M. LINDSEY, PE PROJECT ENGINEER



DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 200
CHARLOTTE, NC 28262
PHONE: 704-545-4250
NC LICENSE NO. E-1524
www.drmp.com



20

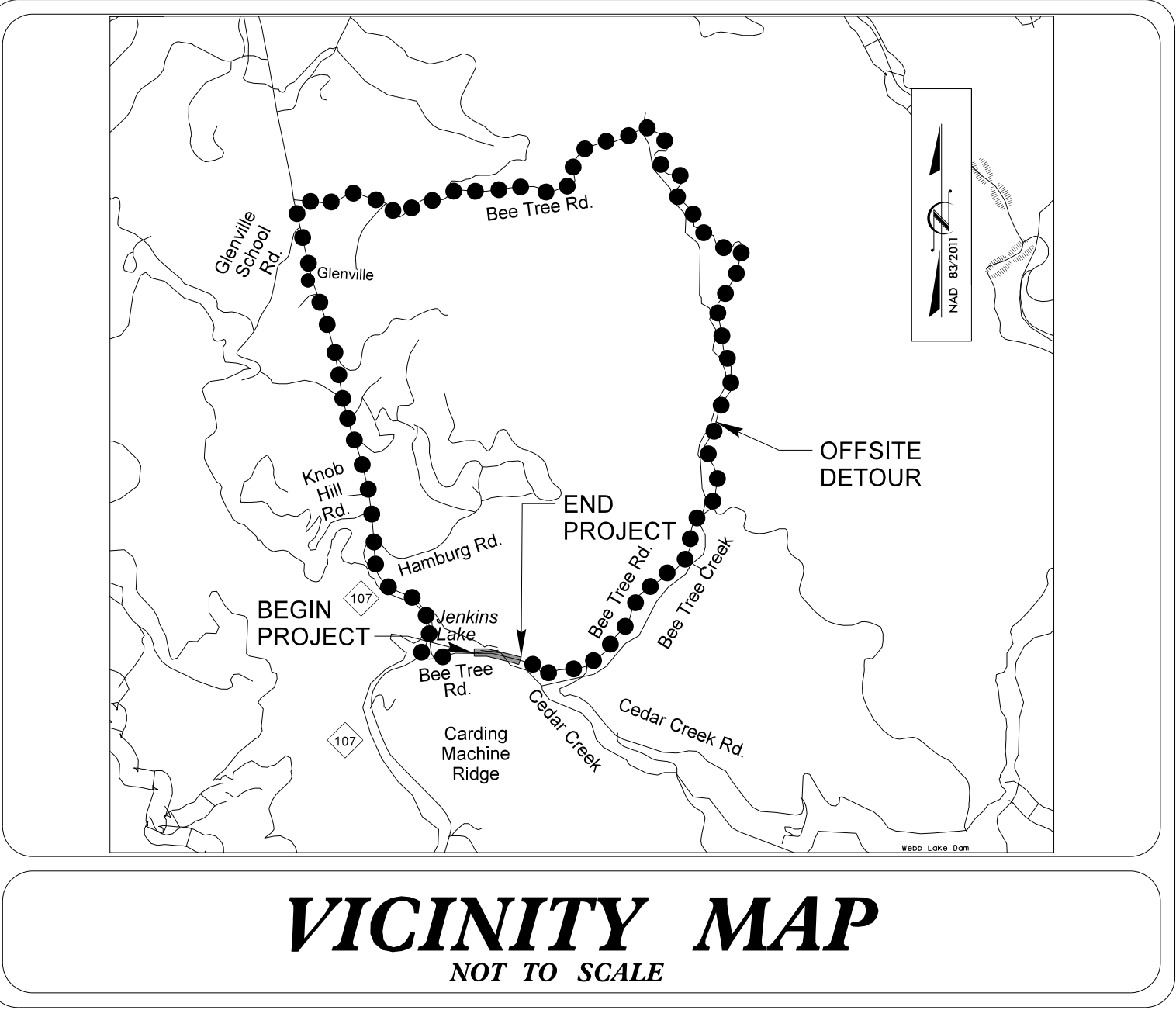
PROJECT REFERENCE NO.		SHEET NO.	
B-5921		PMP-2	
APPROVED:		Signed by: <i>Nicholas M. Esposito</i> 66470780484848... 11/21/2025	
DATE:			
SEAL			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
DRMP, INC. 8210 UNIVERSITY EXECUTIVE PARK DR. SUITE 220 CHARLOTTE, NC 28262 PHONE: 704-549-4280			
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PAVEMENT MARKING DETAIL

R:\E:\11/18/2025\110\design\B5921\EC-1\SH.dgn
WILL WEATHERS BEE

CONTRACT: DN01145

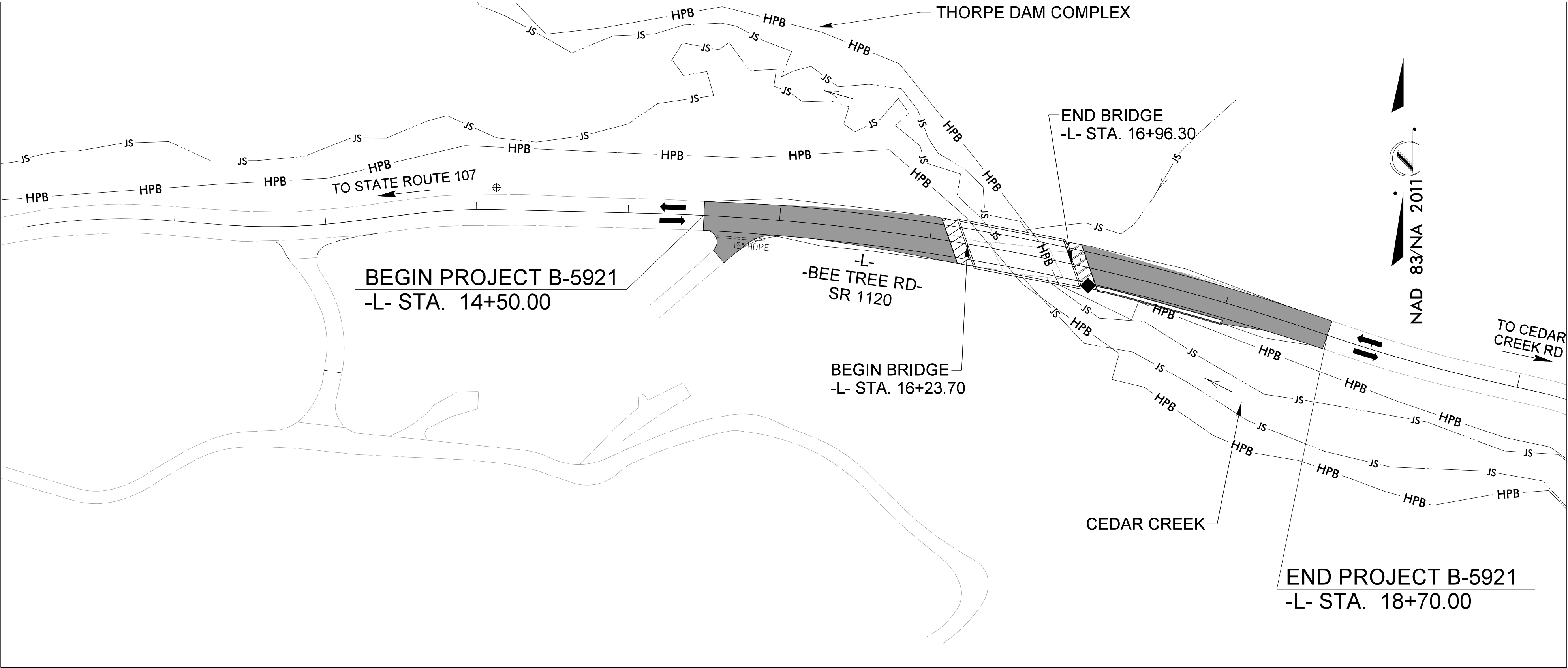
PROJECT: B-5921



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL
JACKSON COUNTY

LOCATION: BRIDGE NO. 8 OVER CEDAR CREEK
ON SR 1120 (BEE TREE RD)

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE

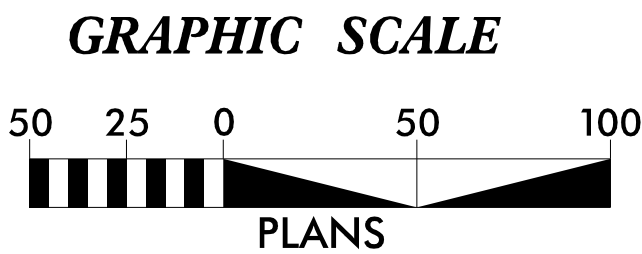


THIS PROJECT CONTAINS
EROSION CONTROL PLANS
FOR CLEARING AND
GRUBBING PHASE OF
CONSTRUCTION.

THIS PROJECT HAS
BEEN DESIGNED TO
SENSITIVE WATERSHED
STANDARDS.

ENVIRONMENTALLY
SENSITIVE AREA(S) EXIST
ON THIS PROJECT

Refer To E. C. Special Provisions
for Special Considerations.



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
WITH THE REGULATIONS SET FORTH BY THE
NCG-010000 GENERAL STORMWATER CONSTRUCTION PERMIT
ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL
QUALITY DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES.

Prepared in the office of:
NV5
8514 McAlpine Park Drive, Suite 135
Charlotte, NC 28211
2024 STANDARD SPECIFICATIONS
Designed by:
WILL J. WEATHERSBEE **3161**
NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

DIVISION OF HIGHWAYS

STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1630.03	Temporary Silt Ditch	
1630.04	Stilling Basin	
1630.05	Temporary Diversion	
1630.06	Special Stilling Basin	
1630.07	Skimmer Basin	
1630.08	Tiered Skimmer Basin	
1630.09	Earthen Dam with Skimmer	
	Infiltration Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	
1632.02	Type B	
1632.03	Type C	

Std. #	Description	Symbol
1633.01	Temporary Rock Silt Check Type A	
1633.02	Temporary Rock Silt Check Type B	
1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1634.01	Temporary Rock Sediment Dam Type A	
1634.02	Temporary Rock Sediment Dam Type B	
1635.01	Rock Pipe Inlet Sediment Trap Type A	
1635.02	Rock Pipe Inlet Sediment Trap Type B	
1636.01	Excelsior Wattle Check	
1636.01	Excelsior Wattle Check with Flocculant	
1636.01	Coir Fiber Wattle Check	
1636.01	Coir Fiber Wattle Check with Flocculant	
1636.02	Silt Fence Excelsior Wattle Break	
	Silt Fence Coir Fiber Wattle Break	
1636.03	Excelsior Wattle Barrier	
1636.03	Coir Fiber Wattle Barrier	

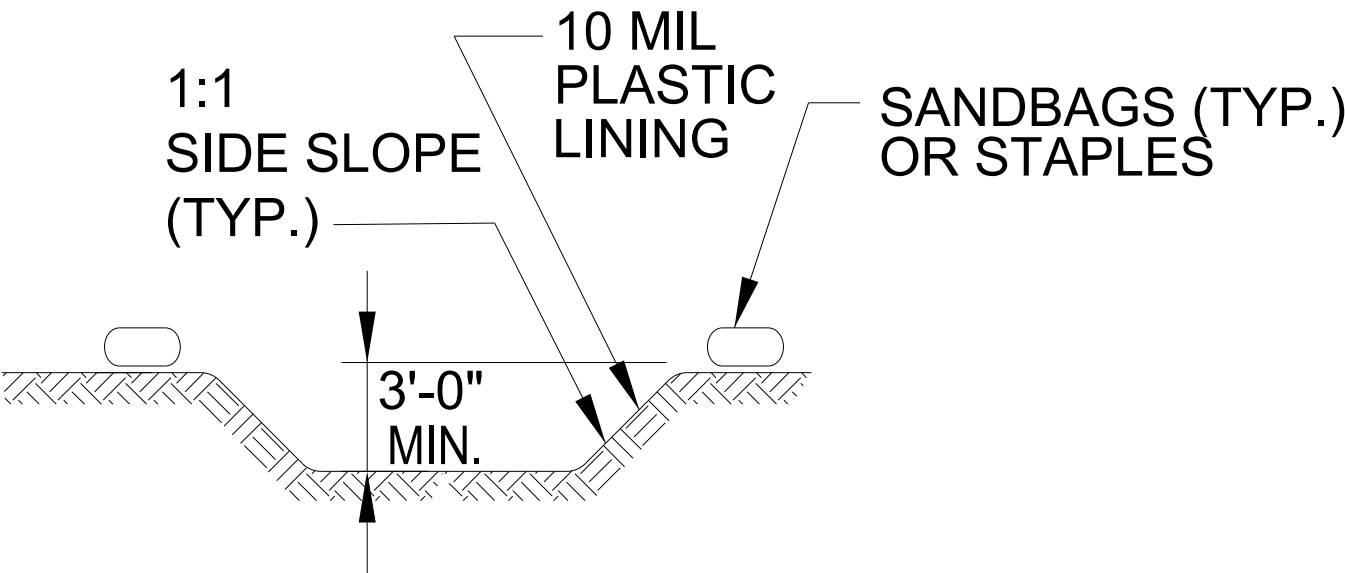
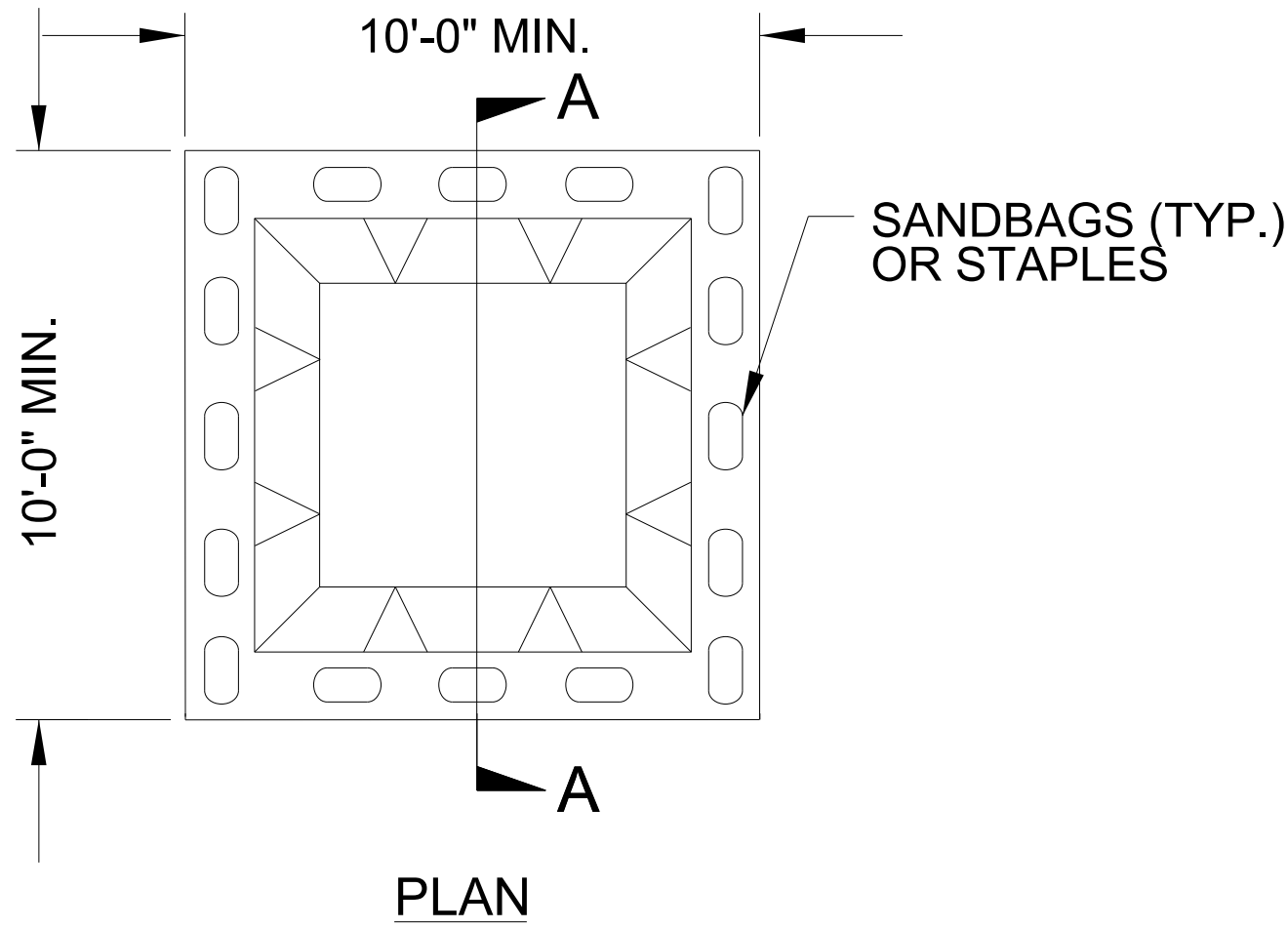
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

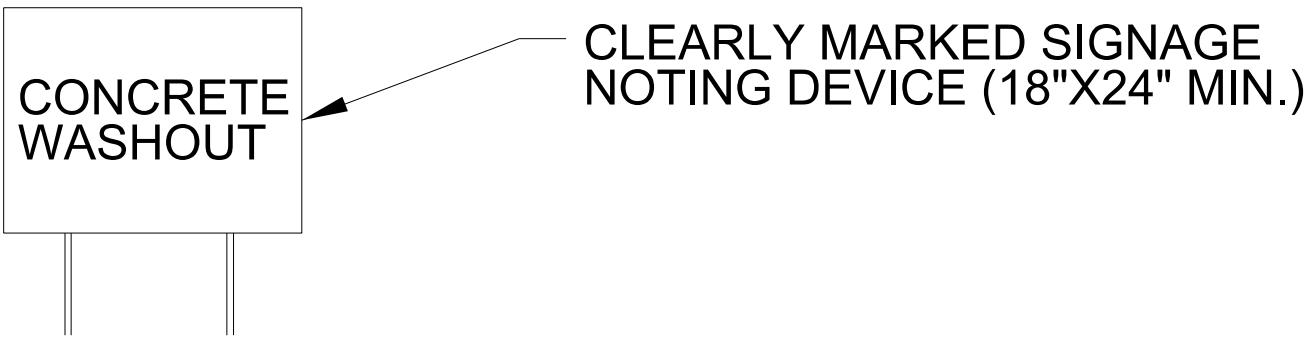
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10’ OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50’ IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERMETER DIKES, SWALES, DITCHES PERMETER SLOPES, AND HQW ZONES.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERMETER DIKES, SWALES, DITCHES PERMETER SLOPES, AND HQW ZONES.

PROJECT REFERENCE NO.	SHEET NO.
<i>B-5921</i>	<i>EC-3B</i>
RW SHEET NO.	

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

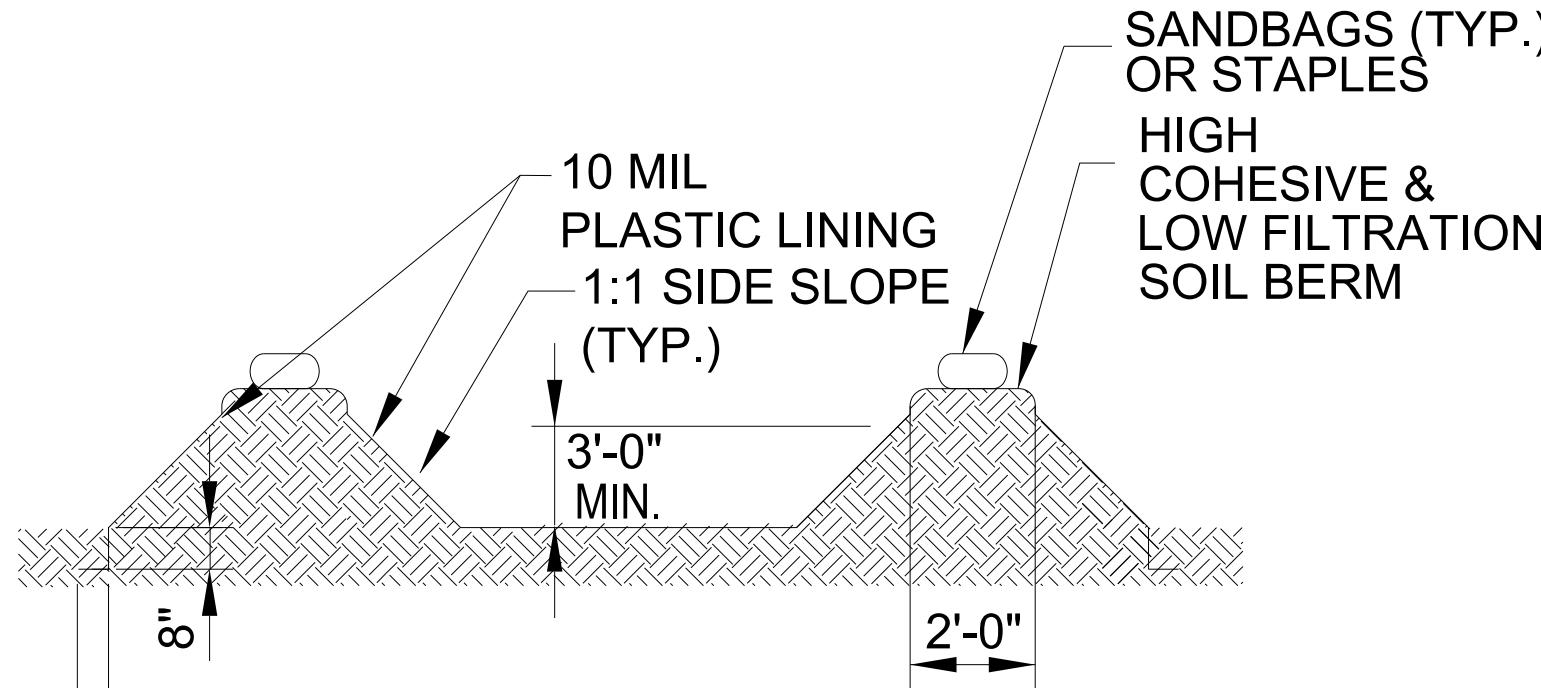
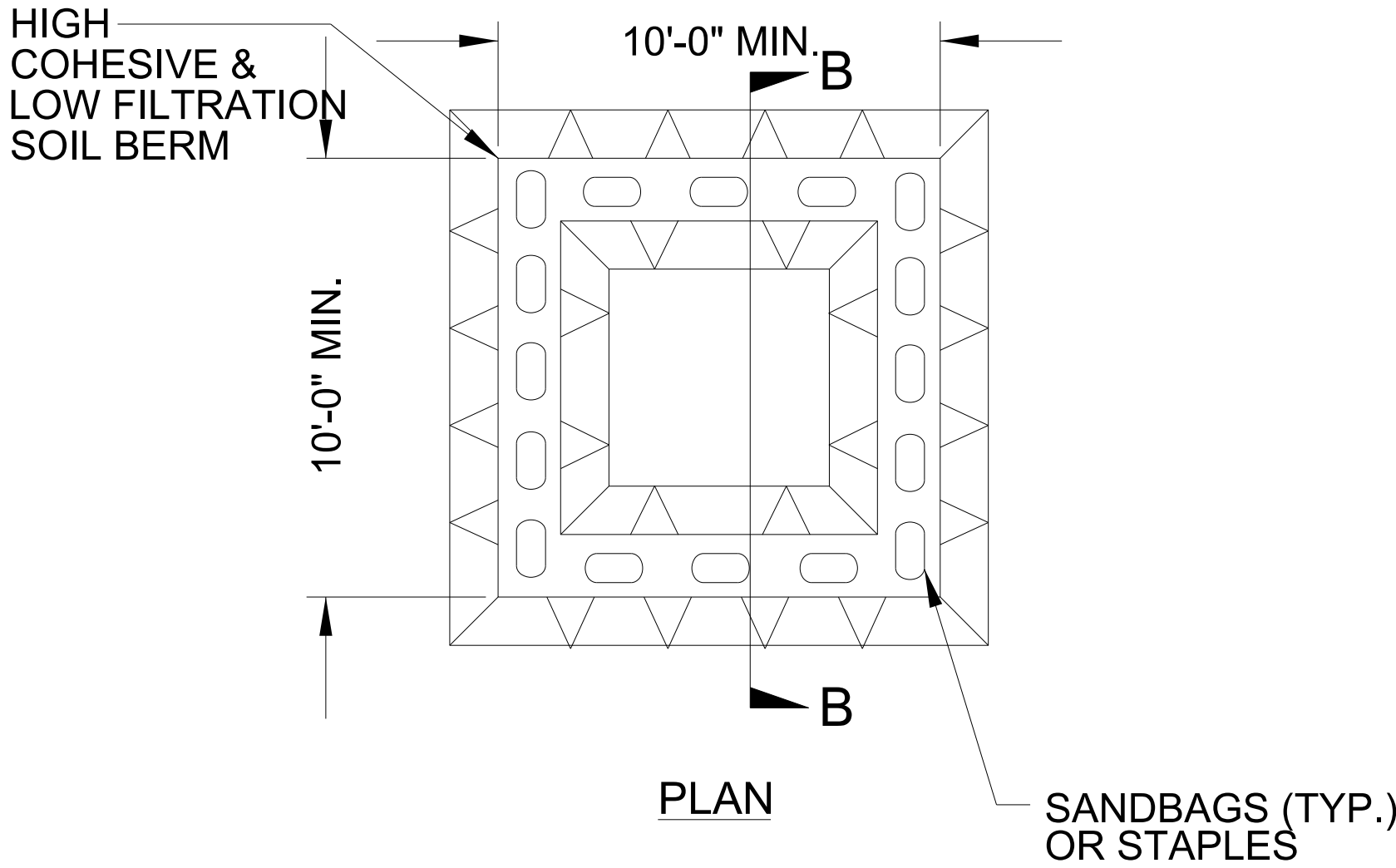


SECTION A-A

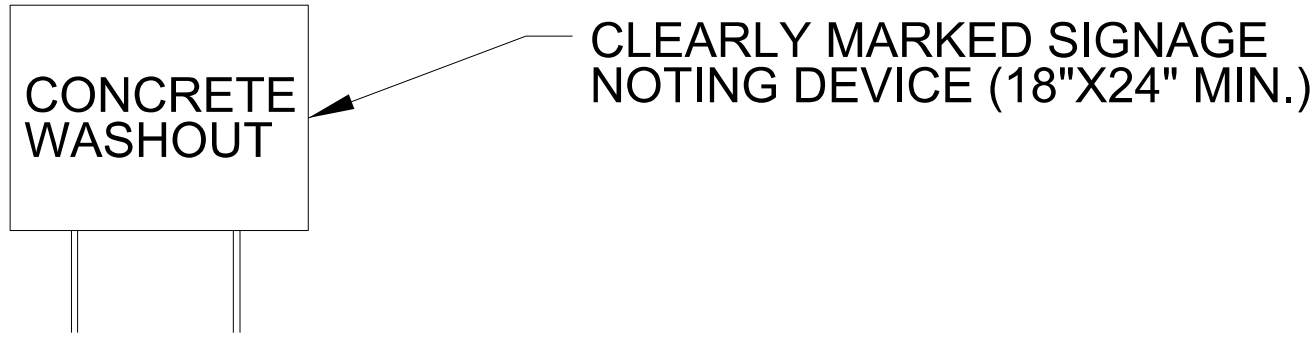


BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



SECTION B-B

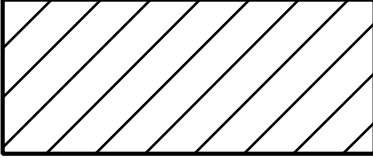


ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

NOTE:

PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B
AND TEMPORARY ROCK SILT CHECKS TYPE – A AT
DRAINAGE OUTLETS.



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

PUMP AROUND SEQUENCE OF CONSTRUCTION FOR
INSTALLATION OF PIPE SYSTEM AT STA. 17+10

1. INSTALL SPECIAL STILLING BASIN(S).
2. INSTALL UPSTREAM PUMP AND TEMPORARY FLEXIBLE HOSE.
3. PLACE UPSTREAM AND DOWNSTREAM IMPERVIOUS DIKES AND
BEGIN PUMPING OPERATIONS FOR PIPE CONSTRUCTION.
4. DEWATER ENTRAPPED AREA. AREA TO BE DEWATERED SHALL
BE EQUAL TO ONE DAY'S WORK.
5. INSTALL PIPE SYSTEM IN ACCORDANCE TO PLANS.
6. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE
REMOVAL OF IMPERVIOUS DIKES. REMOVE IMPERVIOUS DIKES,
PUMPS, FLEXIBLE HOSE. (DOWNSTREAM IMPERVIOUS DIKES FIRST).
7. REMOVE SPECIAL STILLING BASIN(S) AND BACKFILL DISTURBED AREA.
STABILIZE AREA WITH SEED AND MULCH OR RIP RAP IN
ACCORDANCE TO PLANS.

PROJECT REFERENCE NO.

B-592I

SHEET NO.

EC-4/Const. 4

NV5

NV5 ENGINEERS & CONSULTANTS, INC.
8514 McAlpine Park Drive, Suite 135
CHARLOTTE, NC 28211
P: 704.566.4352 www.NV5.com

NC License # F-1333

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

BEGIN PROJECT B-592I
-L- POC Sta. 14+50.00

BEGIN RETAINING WALL -WALL 1
AT -L- STA. 15+25.00, 45.16' LT
END RETAINING WALL -WALL 1
AT -L- STA. 16+12.54, 20.78' LT
[END BENT 1]

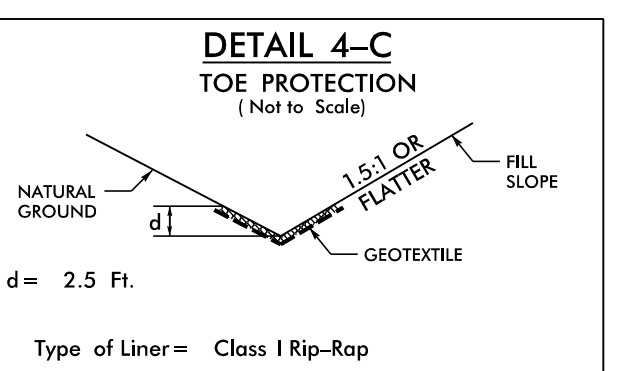
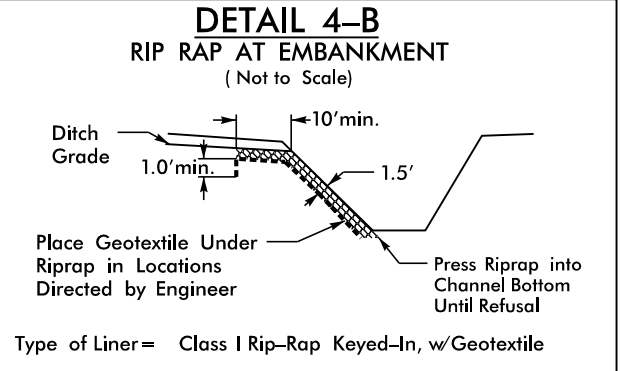
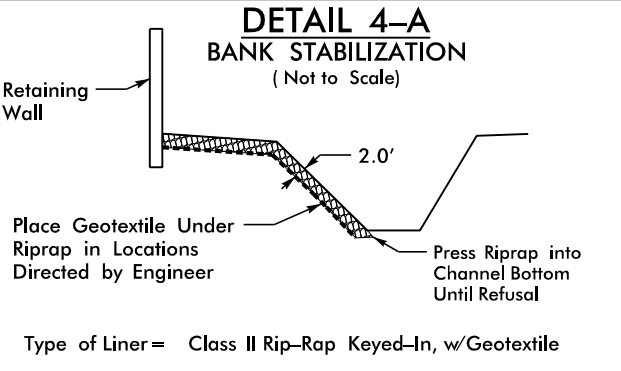
THORPE DAM
COMPLEX

IMPERVIOUS
DIKE

IMPERVIOUS
DIKE

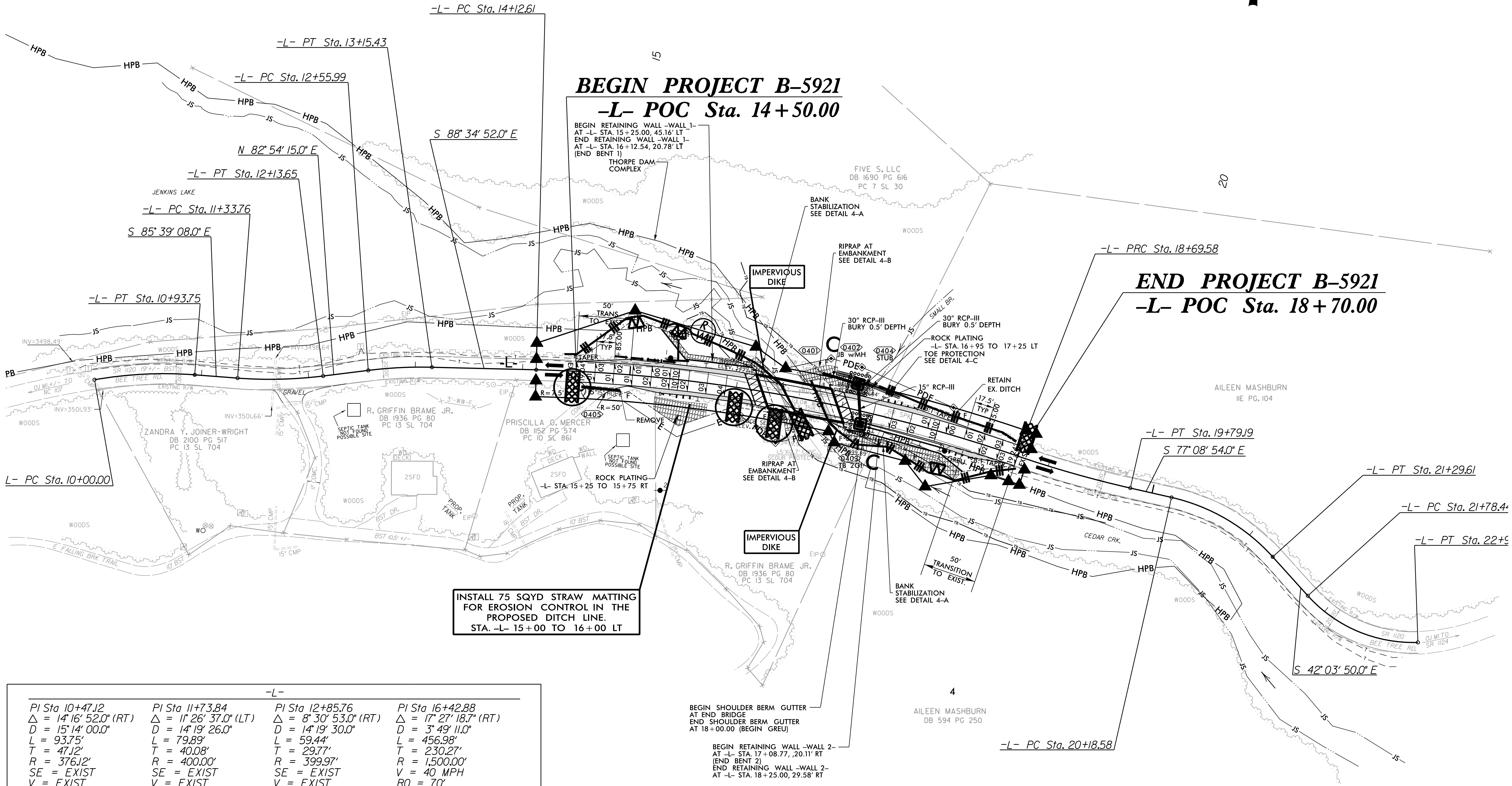
END PROJECT B-592I
-L- POC Sta. 18+70.00

PI Sta. 10+47.12 Δ = 14° 16' 52.0" (RT) D = 15° 14' 00.0" L = 93.75' T = 47.12' R = 376.12' SE = EXIST V = EXIST	PI Sta. 11+73.84 Δ = 11° 26' 37.0" (LT) D = 14° 19' 26.0" L = 79.89' T = 40.08' R = 400.00' SE = EXIST V = EXIST	PI Sta. 12+85.76 Δ = 8° 30' 53.0" (RT) D = 14° 19' 30.0" L = 59.44' T = 29.77' R = 399.97' SE = EXIST V = EXIST	PI Sta. 16+42.88 Δ = 17° 27' 18.7" (RT) D = 3° 49' 11.0" L = 456.98' T = 230.27' R = 1,500.00' V = 40 MPH R0 = 70'
PI Sta. 19+24.44 Δ = 6° 01' 20.7" (LT) D = 5° 29' 40.0" L = 109.61' T = 54.86' R = 1,042.79' SE = EXIST V = EXIST	PI Sta. 20+75.90 Δ = 35° 05' 04.0" (RT) D = 31° 35' 50.0" L = 111.04' T = 57.32' R = 181.33' SE = EXIST V = EXIST	PI Sta. 22+39.86 Δ = 49° 56' 41.0" (LT) D = 43° 26' 30.0" L = 114.97' T = 61.42' R = 131.89' SE = EXIST V = EXIST	



NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B
AND TEMPORARY ROCK SILT CHECKS TYPE – A AT
DRAINAGE OUTLETS.

NAD 83 / NA 2011

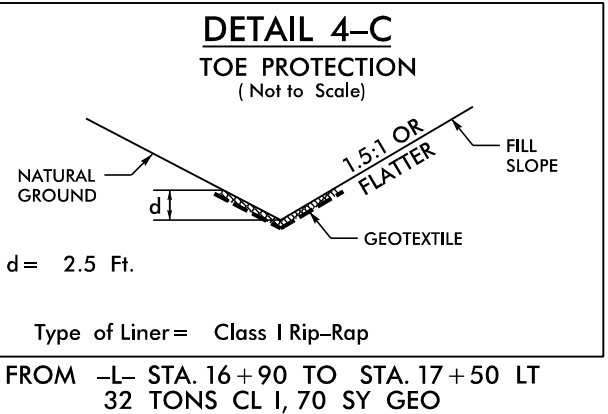
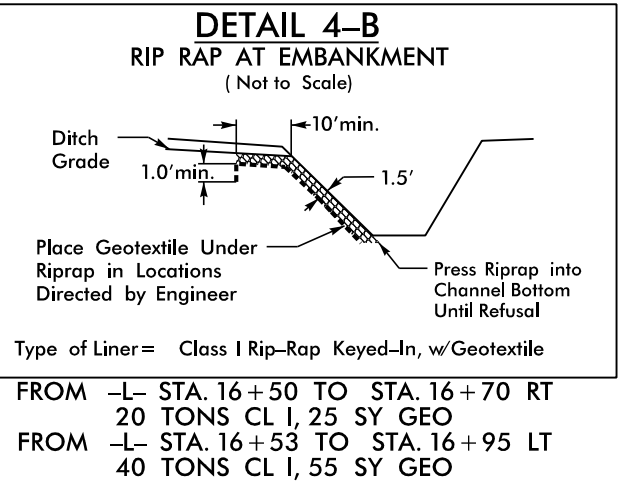
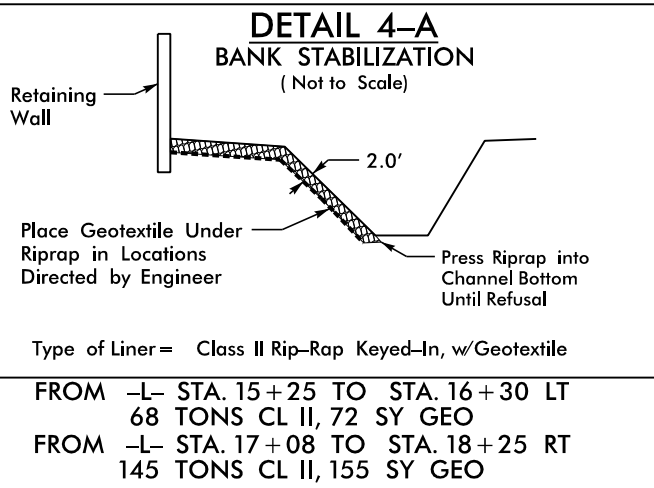


-L-			
PI Sta 10+47.12 Δ = 14° 16' 52.0" (RT) D = 15° 14' 00.0" L = 93.75' T = 47.12' R = 376.12' SE = EXIST V = EXIST	PI Sta 11+73.84 Δ = 11° 26' 37.0" (LT) D = 14° 19' 26.0" L = 79.89' T = 40.08' R = 400.00' SE = EXIST V = EXIST	PI Sta 12+85.76 Δ = 8° 30' 53.0" (RT) D = 14° 19' 30.0" L = 59.44' T = 29.77' R = 399.97' SE = EXIST V = EXIST	PI Sta 16+42.88 Δ = 17° 27' 18.7" (RT) D = 3° 49' 11.0" L = 456.98' T = 230.27' R = 1,500.00' V = 40 MPH RO = 70'

-L-		
PI Sta 19+24.44 Δ = 6° 01' 20.7" (LT) D = 5° 29' 40.0" L = 109.61' T = 54.86' R = 1,042.79' SE = EXIST V = EXIST	PI Sta 20+75.90 Δ = 35° 05' 04.0" (RT) D = 31° 35' 50.0" L = 111.04' T = 57.32' R = 181.33' SE = EXIST V = EXIST	PI Sta 22+39.86 Δ = 49° 56' 41.0" (LT) D = 43° 26' 30.0" L = 114.97' T = 61.42' R = 131.89' SE = EXIST V = EXIST

BEGIN SHOULDER BERM GUTTER
AT END BRIDGE
END SHOULDER BERM GUTTER
AT 18+00.00 (BEGIN GREU)

BEGIN RETAINING WALL -WALL 2-
AT -L- STA. 17+08.77, 20.11' RT
(END BENT 2)
END RETAINING WALL -WALL 2-
AT -L- STA. 18+25.00, 29.58' RT



CONTRACT: DN01145 PROJECT: B-5921

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
JACKSON COUNTY

LOCATION: BRIDGE REPLACEMENT OF BRIDGE #8 ON SR 1120 (BEE TREE ROAD)
OVER CEDAR CREEK

PROJECT REFERENCE NO.
B-5921

SHEET NO.
SIGN-1

APPROVED:

Signed by:

Zachary M. Esposito

5647007604884E8

DATE: 12/1/2025

SEAL

NORTH CAROLINA

PROFESSIONAL

SEAL

054155

ENGINEER

MIKAYLA M. LINDSEY

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROJECT NOTES

1. ALL EXISTING SIGNS TO BE REMOVED

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
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

GENERAL NOTES

- . SIGNS TO BE FURNISHED BY CONTRACTOR
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- . THE BACKGROUND FOR OBJECT MARKERS, TYPE E & F SIGNS SHALL BE TYPE C RETRO REFLECTIVE SHEETING.

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	EXISTING SIGNING DETAILS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4238000000	907	DISPOSAL OF SIGN, D, E OR F	4	E.A.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	2	E.A.

PLAN PREPARED BY: DRMP, Inc.

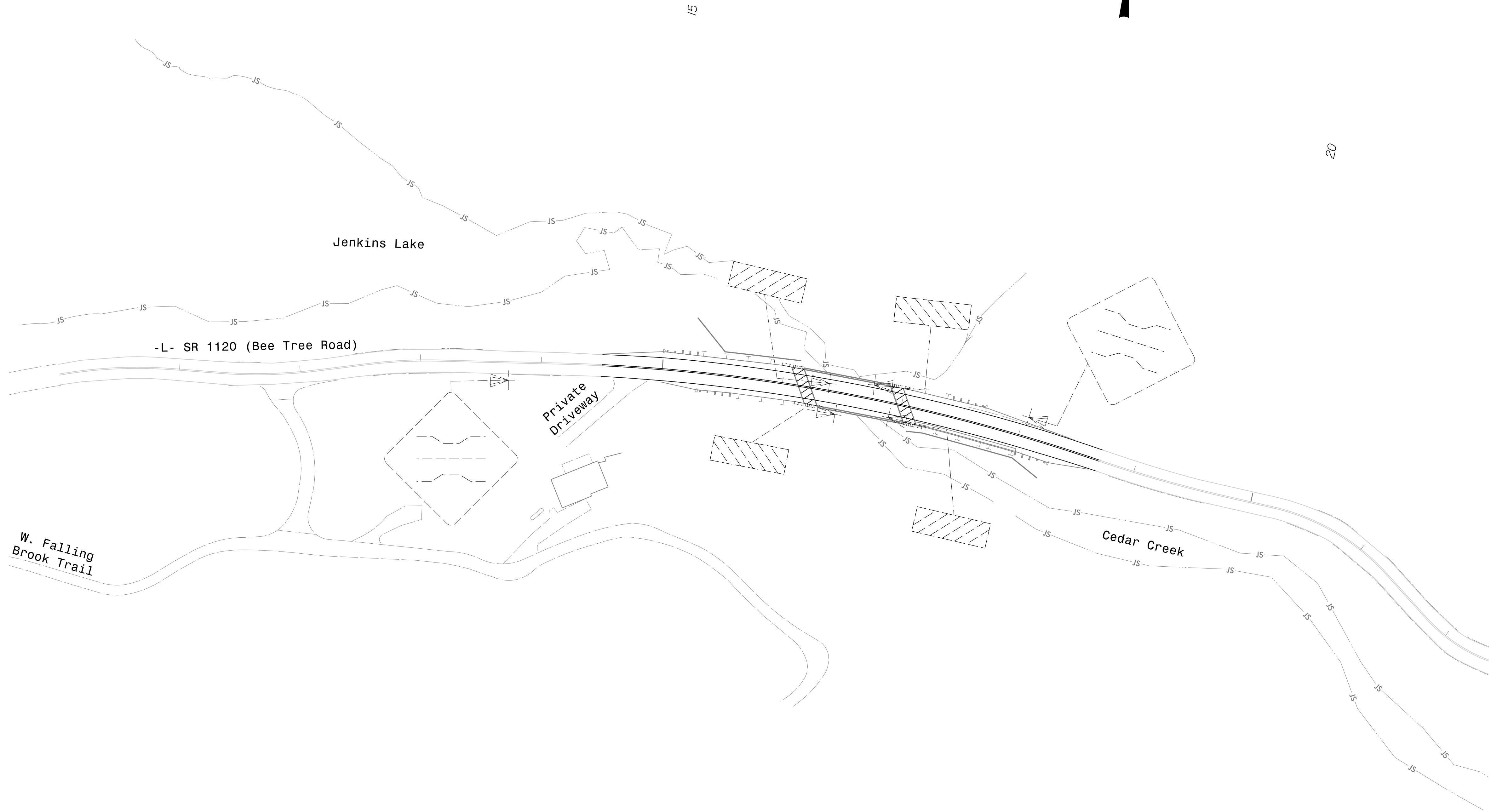
ZACHARY M. ESPOSITO, PE, TCDS PROJECT MANAGER
MIKAYLA M. LINDSEY, PE PROJECT ENGINEER

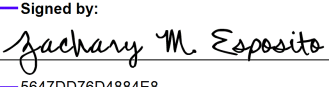


DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 620
CHARLOTTE, NC 28262
PHONE: 704-546-4200
NC LICENSE NO. E-1524
www.drmp.com

PROJECT NOTES

1. ALL EXISTING SIGNS TO BE REMOVED



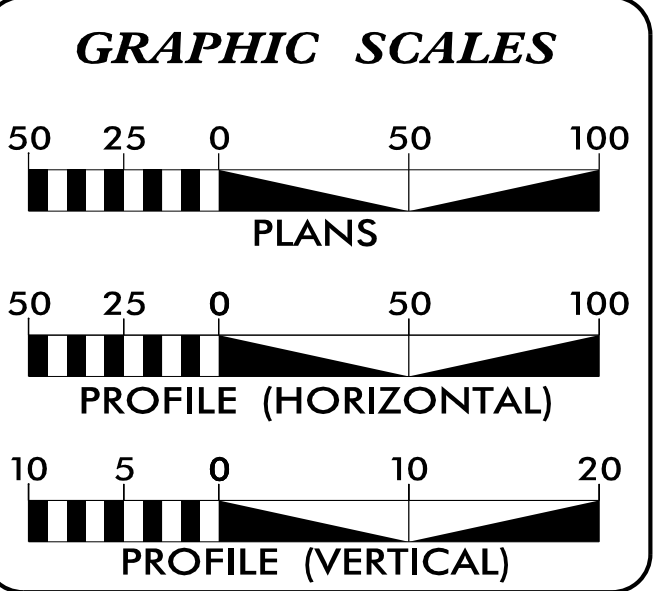
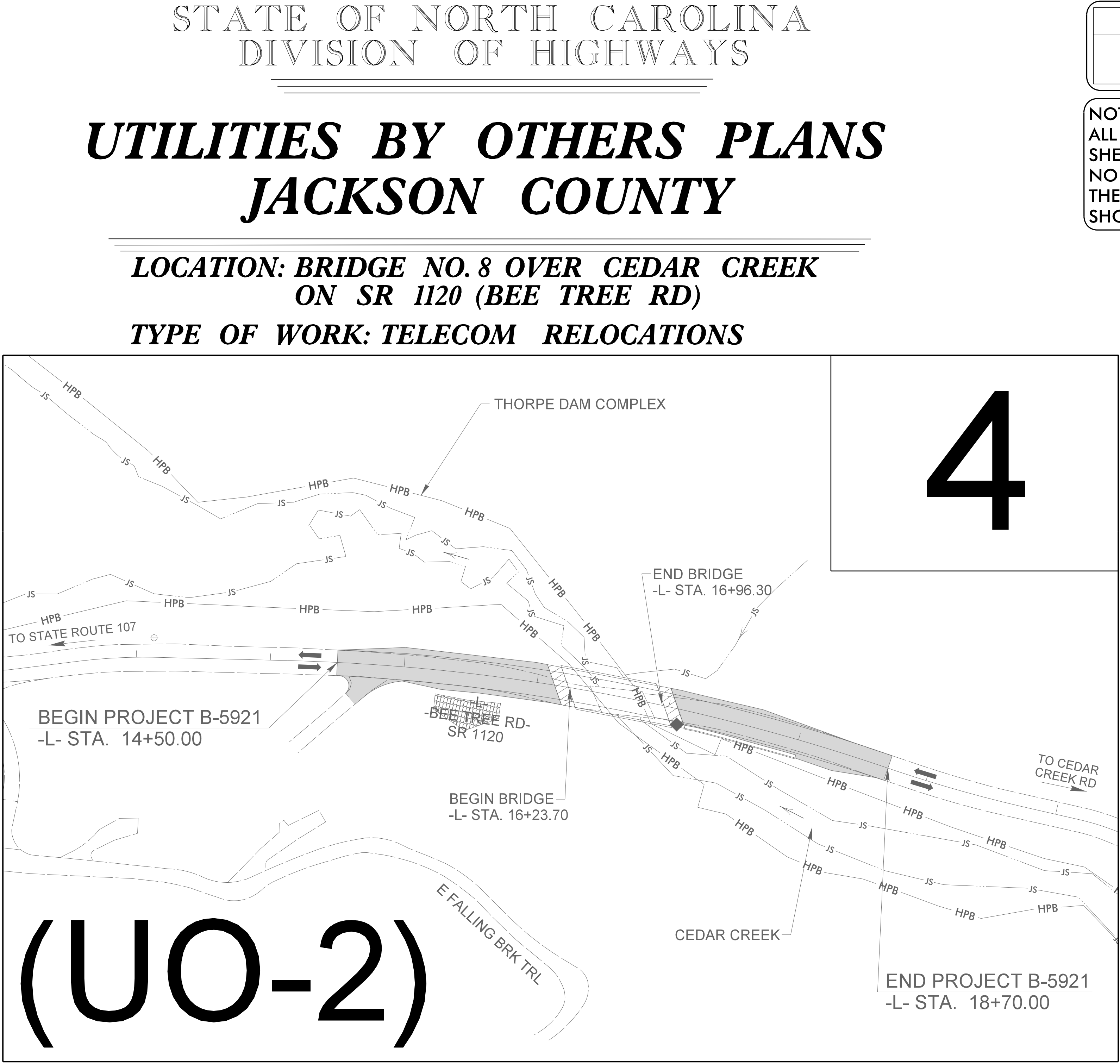
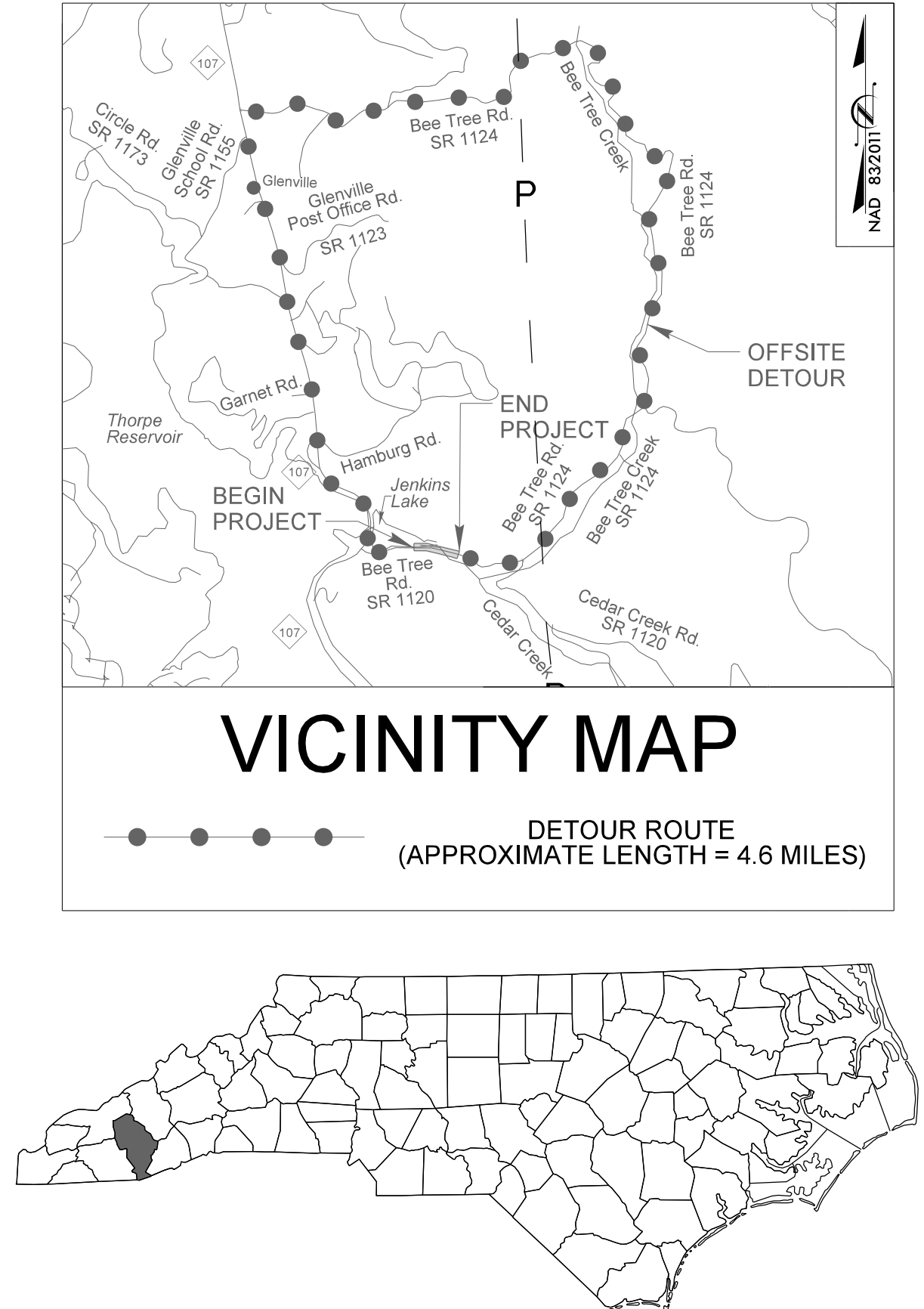
PROJECT REFERENCE NO.	SHEET NO.
B-5921	SIGN-2
APPROVED:  Signed by: <u>Zachary M. Esposito</u> 0647DD78D484E8... 11/21/2025	
DATE:	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 DRMP, INC. 8210 UNIVERSITY EXECUTIVE PARK DR. SUITE 220 CHARLOTTE, NC 28262 PHONE: 704-549-4260 NC LICENSE NO. F-1524 www.drmp.com	

20

EXISTING SIGNING DETAILS

TIP PROJECT: B-5921

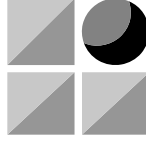
CONTRACT: DN01145



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2	UBO PLAN SHEET

UTILITY OWNERS WITH CONFLICTS
(A) TELECOM – FRONTIER

PREPARED IN THE OFFICE OF:



HINDE
ENGINEERING

License No. C-2639
10020 Monroe Road, Suite 280 Matthews, NC 28105
(704) 814-4407

Clint L. Stevens, PE

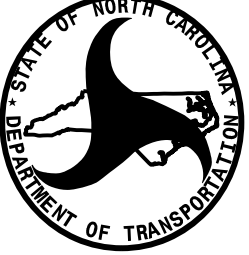
UTILITY COORDINATION PROJECT MANAGER

Kevin S. Hinde, PE

PROJECT UTILITY COORDINATOR

James N. Arnold

PROJECT UTILITY DESIGNER



DIVISION OF HIGHWAYS
DIVISION 14

253 WEBSTER RD.
SYLVA, NC 28779
PHONE (828) 586-2141
FAX (828) 586-4043

Robert Golding

DIVISION UTILITY ENGINEER

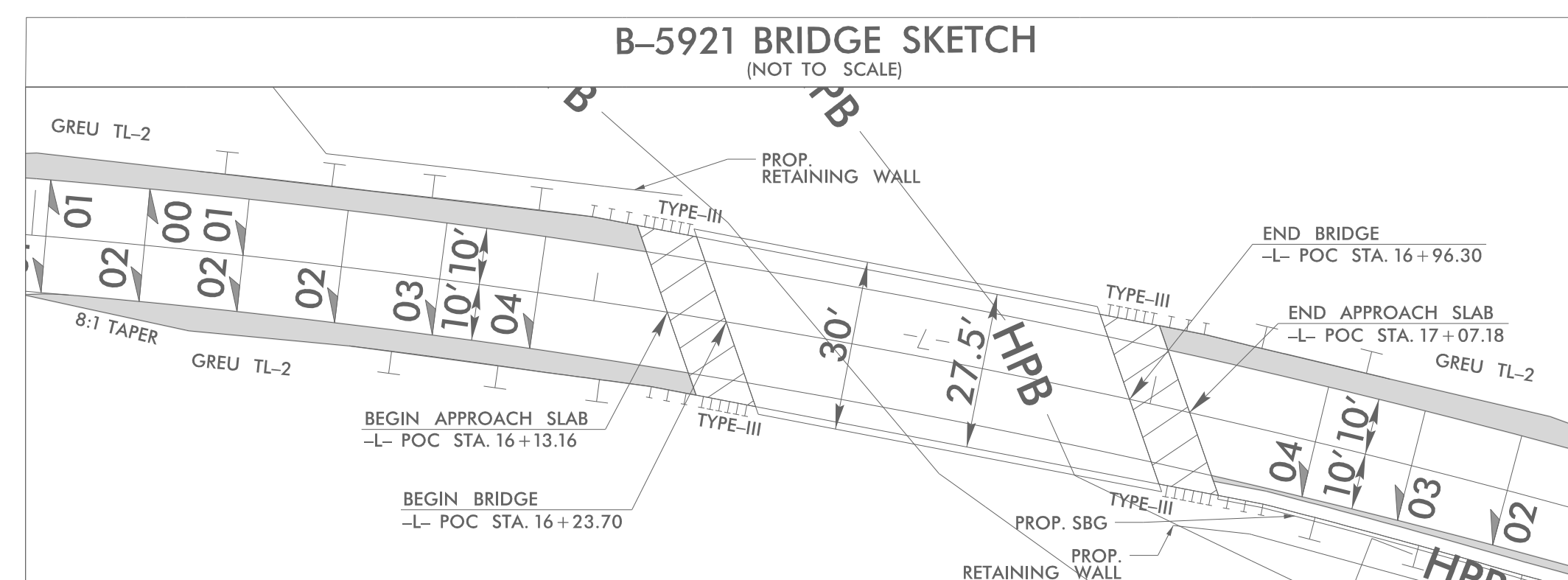
Lynn Kieselhorst

DIVISION UTILITY COORDINATOR

Zack Schuler

DIVISION BRIDGE PROGRAM MANAGER

NOTE:
ALL UTILITY WORK SHOWN ON THIS
SHEET WILL BE DONE BY OTHERS.
NO PAYMENT WILL BE MADE TO THE
CONTRACTOR FOR UTILITY WORK
SHOWN ON THIS SHEET.



BEGIN PROJECT B-5921
-L- POC Sta. 14+50.00

FRONTIER WILL LAY OUT
TEMPORY CABLE ON THE
GROUND, OUT OF WORK
ZONE UNTIL ALL
CONSTRUCTION HAS BEEN
COMPLETED.

FRONTIER TO REMOVE (2)
POLES AND AERIAL CABLE.

END PROJECT B-5921
-L- POC Sta. 18+70.00

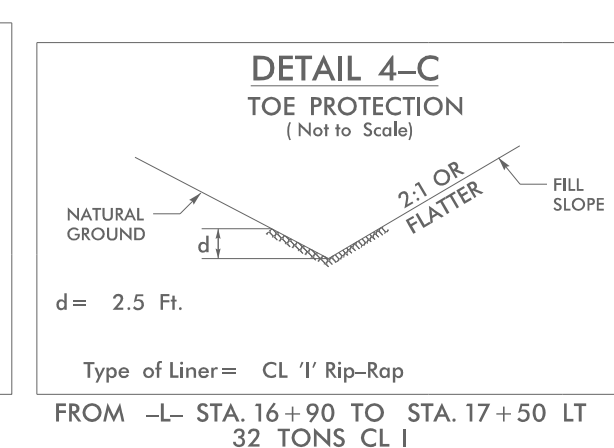
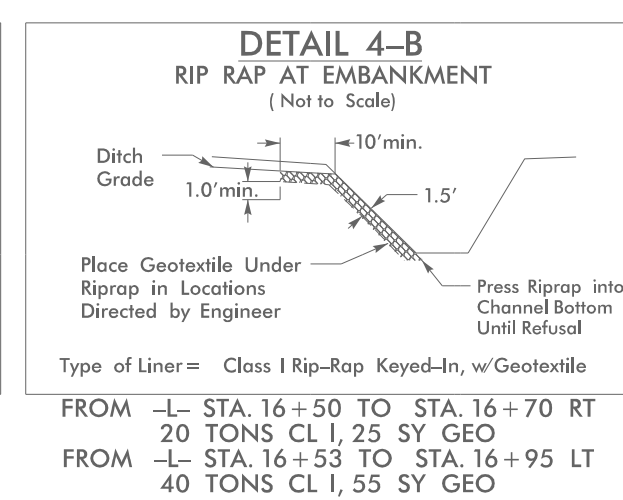
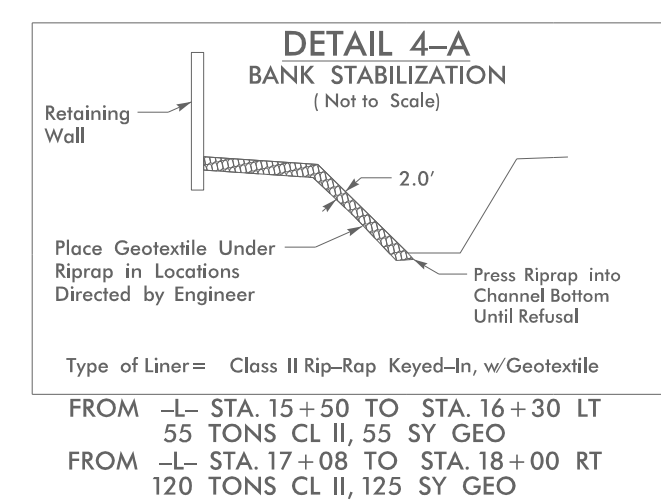
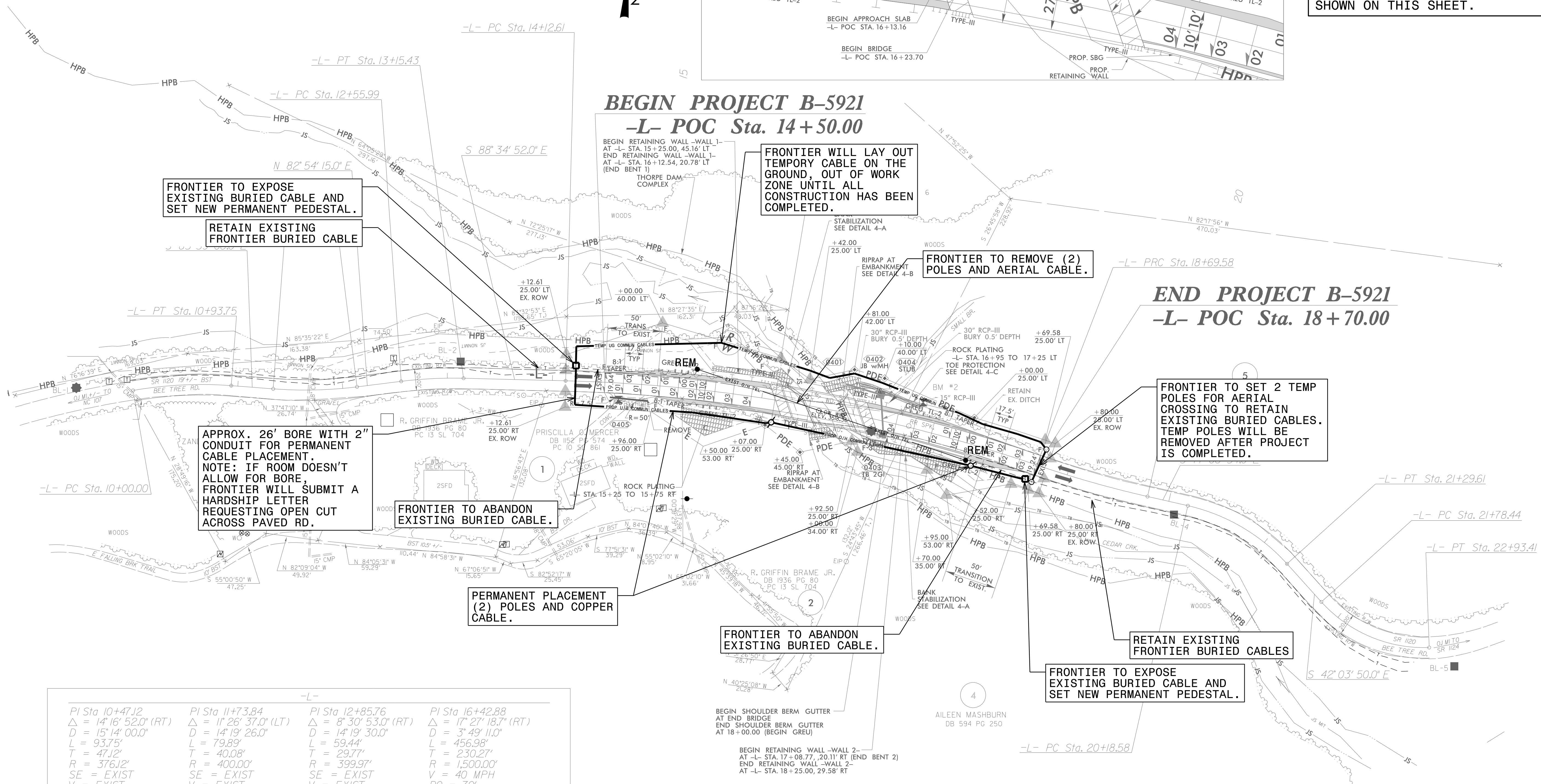
FRONTIER TO SET 2 TEMP
POLES FOR AERIAL
CROSSING TO RETAIN
EXISTING BURIED CABLES.
TEMP POLES WILL BE
REMOVED AFTER PROJECT
IS COMPLETED.

RETAIN EXISTING
FRONTIER BURIED CABLES

FRONTIER TO EXPOSE
EXISTING BURIED CABLE AND
SET NEW PERMANENT PEDESTAL.

BM #1 ELEV. 3509.10'
-BL- STA. 10+20.65 10.70' RT.
NAIL IN BASE OF 13" MAPLE

BM #2 ELEV.= 3504.98'
-BL- STA. 13+02.93 39.32' LT.
NAIL IN BASE OF 26" WHITE PINE



-HPB- HISTORIC PROPERTY BOUNDARY
 ROCK PLATING /ROCK EMBANKMENT
 PAVED SHOULDER



C:\Users\B-5921\Documents\Projects\2018_A2018308_00_NV5_Div_14_Bridges (3)\A2018308.11_CAL_YX_Div_14_B-5921\DesignUtilities\Engineering\UB0\Proj\B-5921_ut_rdy4_U002_psh.dgn