

12/06/07

5/27/2026
R:\Highways\Projs\U-5810_Rdy_psh03G.dgn
R:\Highways\Projs\U-5810_Rdy_psh03G.dgn

COMPUTED BY: JOEY DAILY	DATE: 03/09/2026
CHECKED BY: LUIS CAMPOS	DATE: 03/09/2026

STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

(9-17-24)

PROJECT REFERENCE NO.	SHEET NO.
U-5810	36-1

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
L	40+25	41+75	LT & RT	SD	700
L	16+00	17+50	LT & RT	UD	200
L	58+25	60+00	LT & RT	UD	350
L	68+75	71+00	LT & RT	UD	250
L	102+75	104+25	RT	UD	200
CONTINGENCY				SD	500
CONTINGENCY				UD	500
				TOTAL SD LF:	1200
				TOTAL UD LF:	1500

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

SUMMARY OF SETTLEMENT GAUGES

Gauge No.	LINE and Station	Offset	
		Distance FT	Direction LT/RT
1	RAB3- 11+75	46	RT
2	-L3- 82+00	0	
3	-L3- 82+50	0	
4	-L3- 83+00	0	
5	-L3- 83+50	0	
6	-L3- 84+00	0	
7	-L3- 84+50	0	
8	-L3- 85+00	0	
9	-L3- 85+50	0	
10	-L3- 86+00	0	
11	-L3- 86+50	0	
12	-L3- 87+00	0	
	TOTAL GAUGES (EACH):	12	

SUMMARY OF EMBANKMENT
WAITING PERIODS

LINE	Station	Station	MONTHS
L3	81+50	87+00	2

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 1	12	500	1000	1500		
			TOTAL CY/TONS/SY:		500	1000**	1500**	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.

SUMMARY OF REINFORCED SOIL SLOPES AND SLOPE EROSION CONTROL

LINE	Beginning Slope/ RSS (H:V)	Approx. Station	Ending Slope/ RSS (H:V)	Approx. Station	Location LT/RT	Reinforced Soil Slope (RSS) SY	Geocells SY	Compost Blanket for Geocells SY	Coir Fiber Mat SY	Matting for Erosion Control SY
RAB1	1.5:1	12+00	1.5:1	12+50	RT	120				
DET	1.5:1	16+75	1.5:1	18+25	LT				260	
Y1	1.75:1	17+25	1.75:1	17+75	LT				190	
CONTINGENCY									150	
					TOTAL SY:	120	0	0	600*	0**

*Total square yards of "Coir Fiber Mat" is only the estimated quantity for slopes steeper than 2:1 (H:V) and may only represent a portion of the coir fiber mat quantity shown in the Item Sheets of the Proposal.
**Total square yards of "Matting for Erosion Control" is only the estimated quantity for RSS and may only represent a portion of the matting quantity shown in the Item Sheets of the Proposal.

SUMMARY OF PRE-SPLITTING OF ROCK

LINE	Beginning Rock Cut Slope (H:V)	Approx. Station	Ending Rock Cut Slope (H:V)	Approx. Station	Location LT/RT	Pre-splitting of Rock SY
L	0.5:1	90+75	0.5:1	91+75	RT	1120
L	1:1	100+25	1:1	100+75	RT	15
L	1:1	101+25	1:1	101+75	RT	15
CONTINGENCY						200
					TOTAL SY:	1350

SUMMARY OF BRIDGE WAITING PERIODS

Bridge Description	End Bent/ Bent No.	MONTHS
Bridge on SR 1514 (Bamboo Rd.) Over Radford Quarries	1	2
Bridge on SR 1514 (Bamboo Rd.) Over Radford Quarries	2	2