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(9-17-24)

PROJECT NO.	SHEET NO.
A-0009CD	3G-1

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
-Y2-	123+50	128+50	LT to RT	SD	1000
CONTINGENCY				SD	200
				TOTAL LF:	1200

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

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
-Y2-	90+00	95+00	ASU (1)	12		690	1580		
-Y2-	118+00	126+50	ASU (1)	12		1180	2750		
-Y2-	127+50	129+50	ASU (1)	12		270	580		
-Y2-	137+50	141+50	ASU (1)	12		420	950		
			CONTINGENCY	ASU (1)	12	150	300	450	150
			CONTINGENCY	ASU (1)	12	150	300	450	0
					TOTAL CY/TONS/SY:	300	1290**	2430**	150

*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 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
-Y2-	0.5:1	134+00	0.5:1	137+50	RT	1750
-Y2-	0.5:1	153+50	0.5:1	158+25	RT	1850
-Y2-	0.5:1	156+50	0.5:1	160+00	LT	4000
					TOTAL SY:	7600

SUMMARY OF HORIZONTAL DRAINS

LINE	Approximate Station	Location LT/RT	Elevation Above or Below Grade (+/-) FT	Inclination Angle DEGREES	PVC Pipe Schedule 40/80 or NO PIPE	Horizontal Drain FT	Horizontal Drain W/O Pipe FT
						210	
					TOTAL FT:	210	0

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	Coir Fiber Mat SY	Matting for Erosion Control SY
-Y2-	1.5:1	100+75	1.5:1	102+75	LT			2930	
-Y2-	1.5:1	104+25	1.5:1	106+75	LT			2350	
-Y2-	1.5:1	133+75	1.5:1	137+75	RT			12500	
-Y2-	1.5:1	145+25	1.5:1	147+25	RT			1140	
-Y2-	1.5:1	148+25	1.5:1	158+25	RT			25850	
-Y2-	1.5:1	156+25	1.5:1	162+25	LT			11000	
					TOTAL SY:	0	0	55770*	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.