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(12-17-19)

PROJECT NO. A-0009CB SHEET NO. 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
-L-	210+00	228+00	LT to RT	SD	3600
-L-	236+00	238+00	LT to RT	SD	400
-L-	252+00	254+00	LT to RT	SD	400
-L-	257+00	258+00	LT to RT	SD	200
-L-	263+00	265+00	LT to RT	SD	400
-L-	270+00	276+00	LT to RT	SD	1200
-L-	290+50	292+50	LT to RT	SD	400
-L-	330+83	333+24	LT to RT	SD	600
-L-	336+25	337+25	LT to RT	SD	200
-L-	364+00	365+50	LT to RT	SD	300
-L-	382+00	383+00	LT to RT	SD	200
-L-	398+50	400+50	LT to RT	SD	400
-L-	406+50	407+50	LT to RT	SD	200
CONTINGENCY					500
TOTAL LF:					9000

\*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	288+00	1.5:1	288+50	RT	2	*	340
TOTAL SY:								340

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

**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
CONTINGENCY						3335	
TOTAL FT:						3335	0

**SUMMARY OF GEOTEXTILE FOR PAVEMENT STABILIZATION**

LINE	Station	Station	Geotextile for Pavement Stabilization SY	Class IV Subgrade Stabilization TONS	
-L-	278+25	278+75	240	110	
-L-	279+75	282+75	1050	450	
-L-	288+25	290+25	400	170	
-L-	292+25	294+75	630	270	
-L-	310+75	313+25	790	340	
-L-	366+75	370+25	930	400	
-L-	375+25	378+25	670	280	
-L-	389+25	392+25	380	160	
-L-	393+75	395+75	260	110	
-L-	396+75	398+75	260	110	
CONTINGENCY					
TOTAL SY/TONS:			5610	2400*	

\*Total tons of "Class IV Subgrade Stabilization" is only the estimated quantity for pavement stabilization and may only represent a portion of the subgrade stabilization quantity shown in the Item Sheets of the Proposal.

**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 Soil Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS
CONTINGENCY									
			ASU (1)	12	1500	3000	4500	600	0
TOTAL CY/TONS/SY:					1500	3000**	4500**	600	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 Soil 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	Coir Fiber Mat SY	Matting for Erosion Control SY
-L-	1.5:1	254+25	1.5:1	262+75	RT				14560
-L-	1.5:1	270+45	1.5:1	271+25	LT				70
-L-	1.5:1	275+25	1.5:1	275+75	RT				100
-L-	1.5:1	283+75	1.5:1	288+75	LT				6650
-L-	1.5:1	290+25	1.5:1	291+00	LT				410
-L-	1.5:1	295+75	1.5:1	296+75	LT				830
-L-	1.5:1	302+75	1.5:1	303+75	LT				290
-L-	1.5:1	305+75	1.5:1	307+25	RT				830
-L-	1.5:1	306+75	1.5:1	311+25	LT				4490
-L-	1.5:1	329+90	1.5:1	330+75	LT				160
-L-	1.5:1	333+20	1.5:1	333+50	LT				50
-L-	1.5:1	336+25	1.5:1	338+75	LT				2070
-L-	1.5:1	350+75	1.5:1	351+25	RT				20
-L-	1.5:1	352+75	1.5:1	353+25	LT				240
-L-	1.5:1	363+25	1.5:1	363+75	RT				70
-L-	1.5:1	368+00	1.5:1	368+50	LT				140
-L-	1.5:1	377+75	1.5:1	378+25	LT				50
-L-	1.5:1	382+75	1.5:1	383+75	LT				210
-L-	1.5:1	386+25	1.5:1	388+75	RT				500
-L-	1.5:1	413+25	1.5:1	414+25	RT				530
TOTAL SY:						0	0	0*	32270

\*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.