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(12-17-19)

PROJECT NO. A-0009CC	SHEET NO. 3G-1
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## 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-	417+50	418+50	LT to RT	SD	200
-L-	454+50	455+50	LT to RT	SD	200
-Y2-	16+50	18+00	LT to RT	SD	300
-Y2-	20+00	21+00	LT to RT	SD	200
-Y2-	25+50	26+50	LT to RT	SD	200
-Y2-	42+50	44+50	LT to RT	SD	400
-Y2-	63+50	65+00	LT to RT	SD	300
-Y2-	75+50	76+50	LT to RT	SD	200
-Y2-	77+50	78+50	LT to RT	SD	200
-Y2-	79+50	80+50	LT to RT	SD	200
CONTINGENCY				SD	350
<b>TOTAL LF:</b>					2750

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

### SUMMARY OF GEOTEXTILE FOR PAVEMENT STABILIZATION

LINE	Station	Station	Geotextile for Pavement Stabilization SY	Class IV Subgrade Stabilization TONS
-Y2-	23+50	28+00	1670	730
-Y2-	32+50	33+00	540	240
-Y2-	35+75	36+25	300	130
-Y2-	47+50	52+50	1930	840
-Y2-	55+00	70+00	5250	2210
-Y2-	85+00	88+50	900	390
CONTINGENCY				
<b>TOTAL SY/TONS:</b>			10590	4540*

\*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	1200	2400	3600	450	0
<b>TOTAL CY/TONS/SY:</b>					1200	2400**	3600**	450	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	415+75	1.5:1	419+75	LT			3260	
-L-	1.5:1	419+75	1.5:1	420+25	RT			100	
-L-	1.5:1	442+25	1.5:1	446+25	LT			3700	
-Y2-	1.5:1	20+75	1.5:1	22+75	LT			3240	
-Y2-	1.5:1	28+25	1.5:1	32+25	RT			5510	
-Y2-	1.5:1	33+25	1.5:1	33+75	RT			520	
-Y2-	1.5:1	34+25	1.5:1	35+25	RT			1270	
-Y2-	1.5:1	40+25	1.5:1	42+75	RT			1450	
-Y2-	1.5:1	43+25	1.5:1	46+25	RT			1610	
-Y2-	1.5:1	54+75	1.5:1	55+75	RT			90	
-Y2-	1.5:1	67+75	1.5:1	68+25	LT			80	
-Y2-	1.5:1	72+75	1.5:1	74+25	RT			1150	
-Y2-	1.5:1	75+75	1.5:1	76+25	RT			50	
<b>TOTAL SY:</b>						0	0	22030*	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 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						3340	
<b>TOTAL FT:</b>						3340	0