

COMPUTED BY: Chien-Ting Tang_ DATE: 09-04-2025 CHECKED BY: Stephen Woods_ DATE: 09-04-2025						(9-17-24)										PROJECT NO. I-5898		SHEET NO. 3G-1	
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS																			
SUMMARY OF SUBSURFACE DRAINAGE						SUMMARY OF GEOTEXTILE FOR SUBGRADE STABILIZATION						SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION							
LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF	LINE	Station	Station	Geotextile for Subgrade Stabilization SY	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
						-Y-	115+75	118+80	2355	-Y-	106+00	107+25	ASU(1)	12	50	100	150		
						-Y-	120+60	122+75	1605										
						-Y-	123+25	124+75	530										
						-RPA-	14+25	17+25	820										
						-RPD-	20+25	20+75	170										
CONTINGENCY					SD	300	CONTINGENCY			CONTINGENCY		ASU(1)	12	200	400	600	50		
												AST							
					TOTAL LF:	300						TOTAL CY/TONS/SY:		250	500**	750**	50	0	

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

*Total square yards of "Geotextile for Subgrade Stabilization" is only the estimated quantity for subgrades and may only represent a portion of the geotextile quantity shown in the Item Sheets of the Proposal.

*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 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
-RPC-	1.5:1	15+25	1.5:1	16+75	RT	1		180
							TOTAL SY:	180

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