VARIESSD500CONTINGENCY1000	3E7-889E-892600	043DFF2									
SUMMARY OF SUBSURFACE DRAINAGE UINE Station Station Continuity Type UF -L- 35+00 37+00 LT SD 200 -L- 47+00 51+00 LT SD 400 -V2- 12+00 25+00 LT or RT SD 400 -V2- 25+00 LT or RT SD 400 -V2- 12+00 25+00 LT or RT SD 400 -V2- 12+00 25+00 LT or RT SD 400 -V2- 12+00 56+00 LT or RT SD 400 -V2- 12+00 56+00 LT or RT SD 400 -V2- 12+00 56+00 LT or RT SD 400 -V2- 10-00 56+00 LT or RT SD 500 CONTINGENCY 10000 11 or RT SD 500 SD = Blind Drain *SD 50 *BD = Blind Drain *SD \$SD \$SD *SD											
LINE Station Location Drain Type* LF -L- 35+00 37+00 LT SD 200 -L- 47+00 51+00 LT SD 400 -L- 53+00 57+00 LT SD 400 -Y2- 12+00 25+00 LT or RT SD 1300 -Y2- 35+00 43+00 LT or RT SD 400 -Y2- 35+00 50+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 500 CONTINGENCY 1000 SD 500 5400 LT or RT SD 5400 *UD = Underdrain *SD 520 5400 55400 5400		CHECKED BY:	Hamm, J.R.	_ DATE:	05/29/19						
LINE Station Location Drain Type* LF -L- 35+00 37+00 LT SD 200 -L- 47+00 51+00 LT SD 400 -L- 53+00 57+00 LT SD 400 -Y2- 12+00 25+00 LT or RT SD 1300 -Y2- 35+00 43+00 LT or RT SD 400 -Y2- 35+00 50+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 500 CONTINGENCY 1000 SD 500 5400 LT or RT SD 5400 *UD = Underdrain *SD 520 5400 55400 5400	r	-									
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LINE Station Location Drain Type* LF -L- 35+00 37+00 LT SD 200 -L- 47+00 51+00 LT SD 400 -L- 53+00 57+00 LT SD 400 -Y2- 12+00 25+00 LT or RT SD 1300 -Y2- 35+00 43+00 LT or RT SD 400 -Y2- 35+00 50+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 500 CONTINGENCY 1000 SD 500 5400 LT or RT SD 5400 *UD = Underdrain *SD 520 5400 55400 5400											
LINE Station Location Drain Type* LF -L- 35+00 37+00 LT SD 200 -L- 47+00 51+00 LT SD 400 -L- 53+00 57+00 LT SD 400 -Y2- 12+00 25+00 LT or RT SD 1300 -Y2- 35+00 43+00 LT or RT SD 400 -Y2- 35+00 50+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 500 CONTINGENCY 1000 SD 500 5400 LT or RT SD 5400 *UD = Underdrain *SD 520 5400 55400 5400											
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LINE Station Location Drain Type* LF -L- 35+00 37+00 LT SD 200 -L- 47+00 51+00 LT SD 400 -L- 53+00 57+00 LT SD 400 -Y2- 12+00 25+00 LT or RT SD 1300 -Y2- 35+00 43+00 LT or RT SD 400 -Y2- 35+00 50+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 400 -Y2- 56+00 LT or RT SD 500 CONTINGENCY 1000 SD 500 5400 LT or RT SD 5400 *UD = Underdrain *SD 520 5400 55400 5400											
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$\frac{-L-}{-} \frac{35+00}{37+00} \frac{37+00}{-LT} \frac{LT}{5D} \frac{200}{400} \\ \frac{-L-}{-} \frac{47+00}{51+00} \frac{51+00}{-LT} \frac{LT}{5D} \frac{400}{400} \\ \frac{-V-}{-V-} \frac{12+00}{25+00} \frac{25+00}{-LT} \frac{LT}{5D} \frac{1300}{800} \\ \frac{-V2-}{-2} \frac{46+00}{50+00} \frac{50+00}{-LT} \frac{LT}{5D} \frac{400}{400} \\ \frac{-V2-}{-2} \frac{52+00}{52+00} \frac{56+00}{-1T} \frac{LT}{5D} \frac{400}{400} \\ \frac{-V2-}{-2} \frac{52+00}{52+00} \frac{56+00}{-1T} \frac{LT}{5D} \frac{400}{400} \\ \frac{-V2-}{-2} \frac{52+00}{52+00} \frac{56+00}{-1T} \frac{LT}{5D} \frac{400}{400} \\ \frac{-V2-}{-2} \frac{52+00}{-2} \frac{52+00}{-2} \frac{LT}{-2} \frac{11}{-2} \frac{11}{-$											
$\frac{-L-}{-} \frac{35+00}{37+00} \frac{37+00}{-LT} \frac{LT}{5D} \frac{200}{400} \\ \frac{-L-}{-} \frac{47+00}{51+00} \frac{51+00}{-LT} \frac{LT}{5D} \frac{400}{400} \\ \frac{-V-}{-V-} \frac{12+00}{25+00} \frac{25+00}{-LT} \frac{LT}{5D} \frac{1300}{800} \\ \frac{-V2-}{-2} \frac{46+00}{50+00} \frac{50+00}{-LT} \frac{LT}{5D} \frac{400}{400} \\ \frac{-V2-}{-2} \frac{52+00}{52+00} \frac{56+00}{-1T} \frac{LT}{5D} \frac{400}{400} \\ \frac{-V2-}{-2} \frac{52+00}{52+00} \frac{56+00}{-1T} \frac{LT}{5D} \frac{400}{400} \\ \frac{-V2-}{-2} \frac{52+00}{52+00} \frac{56+00}{-1T} \frac{LT}{5D} \frac{400}{400} \\ \frac{-V2-}{-2} \frac{52+00}{-2} \frac{52+00}{-2} \frac{LT}{-2} \frac{11}{-2} \frac{11}{-$						LINE	Station	Station	Location	Drain Type*	LF
$\frac{-L-}{2} = \frac{47+00}{51+00} = \frac{11}{10} = \frac{53+00}{57+00} = \frac{11}{10} = \frac{53+00}{11} = \frac{53+00}{11} = \frac{53+00}{11} = \frac{53+00}{11} = \frac{11}{10} = \frac{53+00}{11} = \frac{11}{10} = \frac{53+00}{11} = \frac{11}{10} $											
$\frac{-L-}{12} = \frac{53+00}{12+00} = \frac{57+00}{11 \text{ or } RT} = \frac{SD}{SD} = \frac{400}{1300}$ $\frac{-Y2-}{12+00} = \frac{25+00}{11 \text{ or } RT} = \frac{SD}{SD} = \frac{800}{1000}$ $\frac{-Y2-}{2} = \frac{46+00}{56+00} = \frac{11 \text{ or } RT}{11 \text{ or } RT} = \frac{SD}{SD} = \frac{400}{1000}$ $\frac{-Y2-}{2} = \frac{52+00}{56+00} = \frac{11 \text{ or } RT}{1000} = \frac{50}{1000}$ $\frac{-Y2-}{2} = \frac{52+00}{56+00} = \frac{11 \text{ or } RT}{1000} = \frac{50}{1000}$ $\frac{-Y2-}{2} = \frac{52+00}{56+00} = \frac{11 \text{ or } RT}{1000} = \frac{1000}{1000}$ $\frac{-Y2-}{2} = \frac{1000}{1000}$ $\frac{-Y2-}{2} = \frac{1000}{1000} = \frac{1000}{1000}$ $\frac{-Y2-}{1000} = \frac{1000}{1000} = \frac{1000}{1000}$ $\frac{-Y2-}{1000} = \frac{1000}{100}$ $\frac{-Y2-}{1000} = \frac{1000}{100}$ $\frac{-Y2-}{1000} = \frac{1000}{100}$											
-Y2- 12+00 25+00 LT or RT SD 1300 -Y2- 35+00 43+00 LT or RT SD 800 -Y2- 46+00 50+00 LT or RT SD 400 -Y2- 52+00 56+00 LT or RT SD 500 CONTINGENCY 1000 1000 1000 -WD = Underdrain *BD 5400 1000 -WD = Underdrain *BD 550 1000 -WD = Underdrain *SD 550 1000 -WD = Subsurface Drain *SD 550											
$\frac{-Y2-}{-Y2-} \frac{35+00}{43+00} \frac{43+00}{LT \text{ or } RT} \frac{SD}{SD} \frac{800}{400} \\ \frac{-Y2-}{-Y2-} \frac{46+00}{56+00} \frac{50+00}{LT \text{ or } RT} \frac{SD}{SD} \frac{400}{400} \\ \frac{-Y2-}{-Y2-} \frac{52+00}{56+00} \frac{56+00}{LT \text{ or } RT} \frac{SD}{SD} \frac{400}{500} \\ \frac{-Y2-}{-Y2-} \frac{VARIES}{-Y2-} \frac{SD}{500} \frac{500}{1000} \\ \frac{-Y2-}{-Y2-} \frac{VARIES}{-Y2-} \frac{SD}{50} \frac{500}{-Y2-} \frac{1000}{-Y2-} \\ \frac{-Y2-}{-Y2-} \frac{VARIES}{-Y2-} \frac{SD}{-Y2-} \frac{1000}{-Y2-} \frac{1000}{-Y2-} \\ \frac{-Y2-}{-Y2-} \frac{VARIES}{-Y2-} \frac{SD}{-Y2-} \frac{1000}{-Y2-} 1$											
$\frac{-Y2-}{52+00} \frac{46+00}{56+00} \frac{LT \text{ or } RT}{LT \text{ or } RT} \frac{SD}{SD} \frac{400}{400}$ $\frac{-Y2-}{52+00} \frac{56+00}{56+00} \frac{LT \text{ or } RT}{SD} \frac{SD}{500}$ $\frac{CONTINGENCY}{1000}$ $\frac{1000}{100}$											
-Y2- 52+00 56+00 LT or RT SD 400 VARIES SD 500 CONTINGENCY 1000 Image: SD TOTAL LF: 5400 *UD = Image: SD 500 *UD = Underdrain *BD = *BD = Blind Drain *SD = *SD = Subsurface Drain *SD =											
CONTINGENCY 1000						-Y2-	52+00	56+00	LT or RT	SD	400
*UD = Underdrain *BD = Blind Drain *SD = Subsurface Drain							VARIES			SD	500
*UD = Underdrain *BD = Blind Drain *SD = Subsurface Drain							CONTINGEN	CY			1000
*BD = Blind Drain *SD = Subsurface Drain										TOTAL LF:	5400
- V-5724 (Central Heights)/Roodway/Proj/V-5724_rdy_sum_geo 30-ld		5									
- U-5724 (Central Heights)/Roadway/Pro/JU-5724_ray_sum-geo 3											
- U-5724 (Central Heights).Roadway/Pro/JU-5724_rdy_sum-9	C C										
- U-5724 (Central Heights/Maadway/ProJ/U-5724_rdy_su											
- U-5724 (Central Heights/).Roadway/Pro//U-5724_ra											
- U-5724 (Central Heights)/Roodway/Pro/JU-572	4 7 7										
- U-5724 (Central Heights/Roadway/Proj/U-	570.	J S									
- U-5724 (Central Heights)\Roadway\Pro.	- / / \	2									
- U-5724 (Central Heights/NRoadway	Dr.O										
- U-5724 (Central Heights)\Road											
- U-5724 (Central Heights/N											
- U-5724 (Central Heigh	it c IN F										
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- U-5724 (Cent	I Jo	5									
- U-5724 (
- <i>N</i> -22	17 PC										
	-										

(5-15-18) STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

GEOTECHNICAL SUMMARY

SUMMARY OF AGGREGATE SUBGRADE / STABILIZATION

LINE	Station	Station	Aggregate Type* ASU(1/2) /AST	Aggregate Thickness INCHES	Shallow Undercut CY	Class IV Subgrade Stabilization TONS	Geotextile for Soil Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS
	CONTINGEN	CY			1000	3000	3000	0	0
CONTINGENCY					0	200	0	0	0
-RP_RR-	13+25	24+25			350	1000	1450	0	0
CONTINGENCY				0	0	200	0	0	
			TOTAL CY/TONS/SY		1350	4200	4650	0	0
				SAY	1350	4200	4650	0	0

*ASU(1/2) = Aggregate Subgrade (Type 1 or 2) *AST = Aggregate Stabilization

**Total tons of "Geotextile for 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 geotextile quantity shown in the Item Sheets of the Proposal.

PROJECT REFERENCE NO.	SHEET NO.
U-5724	3G-1