COMPUTED BY:	Steven Hudson, P.G.	**DATE:**	12/12/2023
CHECKED BY:	J. Lee Stone, P.G.	**DATE:**	12/14/2023
UPDATED BY:	Shiping Yang, P.E.	**DATE:**	10/29/2024
CHECKED BY:	Eric Williams P.E.	**DATE:**	10/29/2024

(2-3-23)

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
B-5766	3G-1

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
CONTINGENCY				SD	200
				TOTAL LF:	200

***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
CONTINGENCY			ASU(1)	12"	200	400	600		
				TOTAL CY/TONS/SY:	200	400**	600**	0	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 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.**

EMBANKMENT DENSITY TESTING FREQUENCY

We recommend increasing the density testing frequency to the following requirements:
1 density test per 10,000 sq. ft. of 1 ft. lift placed
1 density test per 4,000 sq. ft. of 1 ft. placed within 3 ft. of subgrade

SUMMARY OF ROCK PLATING

LINE	Beginning Slope (H:V)	Approx. Station	Ending Slope (H:V)	Approx. Station	Location LT/RT	Rock Plating Detail No.	Riprap Class	Rock Plating SY
-L-	1.5:1	11+50	1.5:1	13+09	RT	2	2	950
							TOTAL SY:	950