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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.118	3B-1

REVISIONS

PLAN REVISION 08-31-17: TL-2 GUARDRAIL ANCHOR UNIT CHANGED TO GREU TL-2 IN GUARDRAIL SUMMARY.

SUMMARY OF EARTHWORK

PHASE	STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
PHASE 1	-L- STA. 11+13.50 LT.	-L- STA. 12+70.62 (BR) LT.	4	88	84	
	-L- STA. 13+35.71 (BR) LT.	-L- STA. 15+75.00 LT.	7	179	172	
		SUBTOTALS:	11	267	256	
	5% TO REPLACE TOPSOIL				13	
		PHASE 1 SUBTOTALS:	11	267	269	
PHASE 2	-L- STA. 11+13.50 RT.	-L- STA. 12+74.12 (BR) RT.	246	9		237
	-L- STA. 13+31.88 (BR) RT.	-L- STA. 15+75.00 RT.	102	41		61
		PHASE 2 SUBTOTALS:	348	50	0	298
PROJECT TOTALS:			359	317	269	298
GRAND TOTALS:			359		269	
SAY:			375		280	

EST UNDERCUT = 50 CY CONTINGENCY
EST SELECT GRANULAR MATERIAL = 50 CY CONTINGENCY
EST FABRIC FOR SOIL STABILIZATION = 50 SY CONTINGENCY

PAVEMENT REMOVAL SUMMARY

PHASE	SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
PHASE 2 (SEE TMP-3)	-L-	11+14	12+87	RT	142.76
	-L-	13+26	15+75	RT	264.68
				TOTAL:	407.44
				SAY:	410

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
-L-, LT	12+51.44	12+58.81	6.64
-L-, RT	12+61.00	12+67.46	6.66
-L-, RT	13+37.31	13+41.63	6.21
-L-, LT	13+47.19	13+52.32	4.61
		TOTAL:	24.12
		SAY:	25.00

NOTE:
INVERT ELEVATIONS INDICATED ARE FOR BID PURPOSES ONLY AND SHALL NOT BE USED FOR PROJECT CONSTRUCTION STAKEOUT.
SEE "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, SECTION 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

| STATION / SIZE / THICKNESS OR GAUGE | LOCATION (LT,RT, OR CL) | STRUCTURE NO. FROM | STRUCTURE NO. TO | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | SLOPE CRITICAL | DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | C.S. PIPE (UNLESS NOTED OTHERWISE) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | CLASS III R.C. PIPE (UNLESS OTHERWISE NOTED) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | 24" SIDE DRAIN PIPE | ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P. | CU. YDS. C.S.P. | QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B") LIN. *FT. A: PER EACH (0' THRU 5.0') | B: 5.0' THRU 10.0' | B: 10.0' AND ABOVE | C.B. STD. 840.01 OR STD. 840.02 | FRAME, GRATES AND HOOD STANDARD 840.03 TYPE OF GRATE E | F | G | | | |