12/06/07

COMPUTED BY: L. JAH	DATE: 5/21/2015
CHECKED BY: MRL	DATE: 5/22/2015

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
B-4959	3B-1

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
-L- 12+00.00	-L- 13+99.20	98	20		78
-L- 15+41.80	-L- 18+70.00	208	190		18
-Y- 10+50.00	-Y- 12+59.50	124	37		87
SUBTOTALS:		430	147		183
PROJECT TOTALS:		430	247		183
GRAND TOTALS:		430			
SAY:		460			

UNDERCUT EXCAVATION = 100 CY (CONTINGENCY)
EST. SHALLOW UNDERCUT = 300 CY (CONTINGENCY)
CLASS IV SUBGRADE STABILIZATION = 600 TONS (CONTINGENCY)
SELECT GRANULAR MATERIAL = 100 CY (CONTINGENCY)

Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

Note: Approximate quantities only. Unclassified Excavation, Fine Grading Clearing and Grubbing, and Removal of existing Asphalt Pavement will be paid for at the contract lump sum price for "Grading."

REMOVAL OF EXISTING ASPHALT PAVEMENT SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
-L-	12+67.00	13+99.20	LT & RT	293.80
-L-	15+41.80	18+20.00	LT & RT	618.22
-Y-	12+07.02	12+44+63	LT	99.03
			TOTAL:	1011.06
			SAY:	1020

SHOULDER BERM GUTTER

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	LENGTH
-L-	15+57.06	15+70.00	RT	12.94
			TOTAL:	12.94
			SAY:	13.00

SPECIAL SHOULDER BERM CURB

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	LENGTH
-L-	13+91.30	13+92.80	RT	1.50
-L-	13+82.71	13+84.21	LT	1.50
-L-	15+48.57	15+50.07	LT	1.50
			TOTAL:	4.50
			SAY:	5.00

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 OTHRWISE) 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. | C.S.P. | QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') LIN. +FT. PER EACH (0' THRU 5.0') | A 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 | | T.B.D.I. STD. 840.35 | G.D.I. (N.S. FLAT) FRAME W/2 GRATES STD. 840.29 | PIPE REMOVAL | REMARKS |
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