COMPUTED BY: __H. L. EDWARDS__ DATE: __11/12/15_
CHECKED BY: __N. K. BOAYUE__ _ DATE: _11/12/15__

PROJECT NO.	SHEET NO.
B-5173	3B

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF WOVEN WIRE FENCE, 72" FABRIC
(WITH 3 STRAND BARBED WIRE)

LINE	Station	Station	LOC LT/RT/CL	FABRIC (FEET)	LINE POST	TERMINAL POST
-L-	16+70.88	16+69.44	LT	56.97	1	5
-L-	17+73.13	19+41.38	LT	274.6	11	16
		LESS GATE OPENING		-12.0		
			TOTAL	319.52	12	21
			SAY	320.0	15	25

ADDITIONAL BARBED WIRE : 100 LF

SUMMARY OF TEMPORARY WOVEN WIRE FENCE, 72" FABRIC
(WITH 3 STRAND BARBED WIRE)

LINE	Station	Station	LOC LT/RT/CL	FABRIC (FEET)
-L-	17+67.63	19+34.78	LT	243.13
			TOTAL	243.13
			SAY	250.0

PAVEMENT REMOVAL SUMMARY
IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL
-L-	13+39.04	16+84.78	RT	399.2
-L-	17+61.69	19+50.00	RT	368.2
-DET-	18+30.14	19+47.71	CL	134.9
		TOTAL:		902.3
		SAY:		910.00

SUMMARY OF EARTHWORK

Line	Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
SUMMARY AREA 1, TMP PHASE I (DETOUR)						
-L- (DET) LT	18+25.00	19+75.00	16	61	45	
SUMMARY AREA 1:		SUBTOTAL	16	61	45	
SUMMARY AREA 2, TMP PHASE II						
-L- RT/LT	11+75.00	17+25.00	171	866	695	
-L- RT/LT	17+25.00	20+50.00		1,999	1,999	
SUMMARY AREA 2:		SUBTOTAL	171	2,865	2,694	
SUMMARY AREA 3, TMP PHASE III						
-L- LT	11+75.00	17+25.00	209	30		179
-L- LT	17+25.00	20+50.00	610	68		542
SUMMARY AREA 3:		SUBTOTAL	819	98		721
TOTAL:			1,006	3,024	2,739	721
LOSS DUE TO CLEARING & GRUBBING						
PROJECT TOTAL			1,006	3,024	2,739	721
EST. 5% TO REPLACE TOP SOIL BORROW PIT					137	
GRAND TOTAL:			1,006		2,876	
SAY:			1,100		2,900	

NOTE: 1 APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, FINE GRADING CLEARING AND GRUBBING AND REMOVAL OF EXISTING PAVEMENT WILL BE FOR AT THE LUMP SUM PRICE FOR "GRADING"

NOTE: 2 EARTHWORK QUANTIIES ARE CALCULATED BY ROADWAY DESIGN UNIT THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY BE GEOTECHINCAL ENGINEERING UNIT.

DRAINAGE DITCH EXCAVATION	=	40	CUBIC YARDS
UNDERCUT EXCAVATION	=	150	CUBIC YARDS
SHALLOW UNDERCUT EXCAVATION	=	50	CUBIC YARDS
SELECT GRANULAR MATERIAL	=	150	CUBIC YARDS

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & 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" | DO NOT USE RCP | DO NOT USE CSP | DO NOT USE CAAP | DO NOT USE HDPE | C.S. PIPE 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | R.C. PIPE CLASS III 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | R.C. PIPE CLASS IV 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | ** " R.C. PIPE (CLASS V) | *** RC PIPE CULVERTS, CONTRACTOR DESIGN | **** RC PIPE CULVERTS, CONTRACTOR DESIGN | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS 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') PER EACH (0' THRU 5.0') | LIN. FT. A 5.0' THRU 10.0' | LIN. FT. 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 | CONCRETE TRANSITIONAL SECTION DROP INLET | CATCH BASIN | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME WITH TWO GRATES STD. 840.16 | G.D.I. TYPE "A" STD. 840.17 OR 840.26 | G.D.I. TYPE "B" STD. 840.18 OR 840.27 | G.D.I. TYPE "D" STD. 840.19 OR 840.28 | G.D.I. FRAME WITH GRATE STD. 840.20 | G.D.I. FRAME WITH TWO GRATES STD. 840.22 | G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24 | G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29 | T.B. DI STD. 840.35 | PREFORMED SCOUR HOLE (PER EA.) | DRAINAGE PIPE ELBOWS NO. & SIZE | CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71 | CONC. COLLARS CL. "B" C.Y. STD. 840.72 | PIPE REMOVAL LIN. FT. | REMARKS |
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