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6/21/00

REVISIONS

COMPUTED BY: BGR	DATE: 4-24-2020	PROJECT REFERENCE NO.	SHEET NO.
CHECKED BY: ACC	DATE: 4-24-2020	EB-5923	3B-1

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
SUMMARY NO.1					
-L- STA. 11+85 TO STA. 37+62	384		953	569	
SUBTOTAL SUMMARY NO.1	384		953	569	
SUMMARY NO.2					
-L- STA. 39+36 TO STA. 45+92	565		688	123	
SUBTOTAL SUMMARY NO.2	565		688	123	
PROJECT SUBTOTAL	949		1641	692	
EST. 5% FOR REPLACING TOP SOIL ON BORROW PITS				35	
GRAND TOTAL	949		1641	727	
SAY	950		1650	730	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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".

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD²
-L-	14+00	42+35	LT & RT	313
-L-	42+35	44+45	CL	502
-L-	14+00	42+35	LT	10
			TOTAL:	825
			SAY:	825

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUB-REGIONAL & REGIONAL

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

LINE & STATION	LOCATION (LT, RT, OR CL)*	STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	SLOPE CRITICAL %	DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) 10	15	18	24	30	36	42	48	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE
SIZE / THICKNESS OR GAUGE																			
-L- 13+15	RT	401	402		2102.4	2095.5													
-L- 13+34	RT	402		2100.5	2095.5				204										
		402	403		2095.5	2086.1													
-L- 15+35	RT	403		2089.8	2086.1				44										
		403	404		2086.1	2083.9													
-L- 15+76	RT	404		2088.7	2083.9		8												
		404	405		2083.9	2083.7					12								
-L- 15+76	RT	405																	
-L- 14+56	LT	406		2084.6	EXIST'ING														
-L- 15+28	LT	407		2090.9	2083.9														
		407	408		2083.9	2078.1													
-L- 15+58	LT	408		2084.7	2078.1	EXIST													
-L- 19+82	LT	501			2076.1														
		501	502		2076.1	2071.9			204										
-L- 21+82	LT	502			2071.9														
-L- 32+27	LT	602		2072.3	2069.08														
		602	601		2069.1	2069.0			12										
-L- 32+77	LT	603		2072.5	2069.3														
		603	602		2069.3	2069.1			48										
-L- 26+20	LT	604	605		2059.1	2057.3													
-L- 26+30	RT	605																	
SHEET TOTAL								8	512		12								

LINE & STATION	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)	15" RC PIPE CULVERTS, CONTRACTOR DESIGN	18" 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) R.C.P.	ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) C.S.P.
SIZE / THICKNESS OR GAUGE	0.064	0.064	0.064	0.064	0.079	0.109	0.109																							CU. YARDS	
-L- 13+15		24																													
-L- 13+34																															
-L- 15+35																															
-L- 15+76																															
-L- 15+76																															
-L- 14+56																															
-L- 15+28																															
		40																													
-L- 15+58																															
-L- 19+82																															
-L- 21+82																															
-L- 32+27																															
-L- 32+77																															
-L- 26+20						72																								8	
-L- 26+30																															
SHEET TOTAL		64				72																								8	

LINE & STATION	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 STD. 852.04 OR 852.06	CATCH BASIN STD. 852.05	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATE 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 TWO GRATES STD. 840.20 WIDE/FLAT	G.D.I. FRAME WITH TWO GRATES STD. 840.22 WIDE/SAG	G.D.I. FRAME STD. 840.29 NARROW/FLAT	G.D.I. FRAME WITH TWO GRATES STD. 840.24 NARROW/SAG	J.B. STD. 840.31 OR 840.32 W/ MH COVER	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.33	MANHOLE FRAME AND COVER STD. 840.54	BERM DRAINAGE OUTLET (BDO) STD. 850.10	BERM DRAINAGE OUTLET (BDO) STD. 850.11	CONCRETE OPEN THROAT CATCH BASIN STD. 840.04	CONCRETE MEDIAN DI TYPE-A, EXTRA DEPTH (840/17)	CONCRETE COLLAR (C.Y.)	10" SIDE DRAIN PIPE ELBOWS	15" SIDE DRAIN PIPE ELBOWS	18" SIDE DRAIN PIPE ELBOWS NO. & SIZE	24" SIDE DRAIN PIPE ELBOWS NO. & SIZE	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PSH (PREFORMED SCOUR HOLE (QTY. EACH)	PIPE REMOVAL LIN. FT.	15" PIPE END SECTION	18" PIPE END SECTION	REMARKS
-L- 13+15																																								
-L- 13+34	1									1	1																													
																																			50					
-L- 15+35	1									1	1																													
-L- 15+76	1																			1			1 (HDPE)																	
-L- 15+76																						0.5																		
-L- 14+56	1									1	1																													
-L- 15+28	1	2.00		1			1																																	
																																	2 (CSP)							
-L- 15+58	1	1.6													1			1																						
-L- 19+82																						0.4																		
-L- 21+82																						0.4																		
-L- 32+27	1			1		1																																		
-L- 32+77	1			1		1																																		
-L- 26+20																																								
-L- 26+30																																								
SHEET TOTAL	8	3.6		3		2	1			3	3						1			1			1		1										50					

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
G.D.I. (N.S.)	GRATED DROP INLET (NARROW SLOT)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 54" & OVER)

STATION	LOCATION (LT,RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) 54"	60"	66"	72"	78"	84"	C.S. PIPE 54" .109	54" .138	54" .168	54" SHOP ELON-GATED .138	54" SHOP ELON-GATED .168	54" .138	60" .168	60" .138	66" .168	72" .138	72" .168	STRUCTURAL PLATE PIPE 60" 12	60" 10	66" 12	66" 10	72" 12	72" 10	REINFORCED ENDWALLS WITH R.C. – C.Y.	REINFORCED ENDWALLS WITH C.S. – C.Y.	REINF. CONC. FLARED END SECTIONS NO. & SIZE	CORR. STEEL FLARED END SECTIONS NO. & SIZE	REINF. CONC. ELBOWS NO. & SIZE	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD 840.72	PIPE REMOVAL LIN.FT.	REMARKS
SIZE / THICKNESS OR GAUGE																																						
43+49	CL				2071.75	2070.30														68											7.4							
43+59	CL				2070.75	2069.30														68											7.2							
43+70	CL				2071.75	2070.30														68											7.4							
																				204											22							

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
G.D.I. (N.S.)	GRATED DROP INLET (NARROW SLOT)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX