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40406

COMPUTED BY: KTB DATE: 10-25-16
CHECKED BY: _____ DATE: _____

PROJECT REFERENCE NO.	SHEET NO.
14SP.2088I.1	3D-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

SUB-REGIONAL & REGIONAL

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"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	C.S. PIPE 12" .064	15" .064	18" .064	24" .064	36" .079	42" .109	48" .109	R.C. PIPE (CLASS III) 15"	18"	24"	30"	36"	42"	48"	R.C. PIPE (CLASS IV) 12"	15"	18"	24"	30"	36"	42"	48"
-L1- 15+09	LT	401		2145.04'	2142.04'																																				
-L1- 15+09	LT	401	402		2142.04'	2139.07'															16'																				
-L1- 15+09	RT	403		2145.04'	2142.04'																																				
-L1- 15+09	RT	403	404		2142.04'	2140.20'															16'																				
-L1- 16+81	LT	409		2145.76'	2142.76'																																				
-L1- 16+81	CL	409	410		2142.76'	2142.50'																					24'														
-L1- 16+81	RT	410		2145.76'	2142.50'																																				
-L1- 16+80	RT	410	411		2142.50'	2141.54'															28'																				
-Y- 10+44	CL	405	406		2144.40'	2142.25'				40'																															
-DR1- 10+92	CL	407	408		2140.90'	2139.90'			40'																																
TOTAL									40'	40'											60'						24'														

STATION / SIZE / THICKNESS OR GAUGE	R.C. PIPE (CLASS V)	R.C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE	R.C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE	15" SIDE DRAIN PIPE	18" 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') PER EACH (0' THRU 5.0')	LIN. *FT. 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	CONCRETE TRANSITIONAL SECTION CATCH BASIN	DROP INLET	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	G.D.I. FRAME WITH GRATE STD. 840.22	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. 840.24	T.B.D.I. STD. 840.35	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD. 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN.FT.	REMARKS
-L1- 15+09								1										1						1							
-L1- 15+09																															
-L1- 15+09								1										1						1							
-L1- 15+09																															
-L1- 16+81								1										1						1							EXISTING 18" CMP
-L1- 16+81																															
-L1- 16+81								1										1						1							
-L1- 16+80																															
-Y- 10+44																														44'	
-DR1- 10+92																															
TOTAL								4										4						4						44'	

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

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