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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
I-5786	3D-5

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.

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

STATION	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
SIZE																			
THICKNESS OR GAUGE																			
207+50 -L-	LT	1902		179.5															
		1902	1904		176.5	174.8													
208+37 -L-	RT	1903		179.5	174.8														
		1903	1904		174.8	174.8													
208+37 -L-	LT	1904		179.1	174.8														
214+00 -L-	LT	1905		177.8	174.5														
		1905	1906		174.5	174.5													
214+00 -L-	RT	1906		177.5	174.5														
		1906	1908		174.5	173.5	X												
213+00 -L-	RT	1907		177.8	173.5														
		1907	1908		173.5	173.5													
213+00 -L-	LT	1908		177.4	173.5														
		1908	1910		173.5	166.5	X												
211+51 -L-	RT	1909		178.1	166.5														
		1909	1910		166.5	166.5													
211+56 -L-	LT	1910		177.7	166.5														
219+60 -L-	RT	2001		179.2	171.0														
		2001	2002		171.0	171.0													
219+55 -L-	LT	2002		179.2	171.0														
234+00-L-	RT	2101		170.9	168.1														
		2101	2102		168.1	168.1													
234+00 -L-	LT	2102		170.9	168.1														
		2102	2104		168.1	167.0													
233+02 -L-	RT	2103		172.8	167.0														
		2103	2104		167.0	167.0													
232+97 -L-	LT	2104		172.8	167.0														
245+00 -L-	LT	2201		152.5	149.5														
		2201	2202		149.5	149.5													
245+00 -L-	RT	2202		152.6	149.5														
		2202	2204		149.5	149.0	X												
245+65 -L-	LT	2203		152.3	149.0														
		2203	2204		149.0	149.0													
245+65 -L-	RT	2204		152.4	149.0														
		2204	2206		149.0	148.4	X												
246+00 -L-	LT	2205		152.3	148.4														
		2205	2206		148.4	148.4													
246+00 -L-	RT	2206		152.4	148.4														
		2206	2208		148.4	147.8	X												
246+30 -L-	LT	2207		152.3	147.8														
		2207	2208		147.8	147.8													
246+30 -L-	RT	2208		152.4	147.8														
		2208	2209		147.8	145.7													
263+96 -L-	CL	2301																	
296+61 -L-	CL	2601																	
302+22 -L-	RT	2602		164.8	UNK														
SHEET TOTALS																			

STATION	WELDED STEEL PIPE 12"	15" (0.28" THICK GRADE B IN SOIL)	18" (0.31" THICK GRADE B IN SOIL)	24" (0.31" THICK GRADE B IN SOIL)	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"
SIZE																								
THICKNESS OR GAUGE																								
207+50 -L-																								
																		84						
208+37 -L-																								
																				4				
208+37 -L-																								
214+00 -L-																								
																		4						
214+00 -L-																								
																		96						
213+00 -L-																								
																		4						
213+00 -L-																								
																		140						
211+51 -L-																								
																								8
211+56 -L-																								
219+60 -L-																								
																			8					
219+55 -L-																								
234+00-L-																								
																		4						
234+00 -L-																								
																		96						
233+02 -L-																								
																					8			
232+97 -L-																								
245+00 -L-																								
																			4					
245+00 -L-																								
																			64					
245+65 -L-																								
																			4					
245+65 -L-																								
																			32					
246+00 -L-																								
																			4					
246+00 -L-																								
																			28					
246+30 -L-																								
																			4					
246+30 -L-																								
				76																				
263+96 -L-																								
296+61 -L-																								
302+22 -L-																								
SHEET TOTALS				76														428	152		8			8

STATION	*** 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 PER EACH (0' THRU 5.0')	LIN. FT. A 5.0' THRU 10.0'	LIN. FT. B 10.0' AND ABOVE	**TOTAL L-F FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL."B")	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	D.I. FRAME WITH TWO GRATES STD. 840.17	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. 840.20	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. 840.24	J.B. STD. 840.31 OR 840.32	FRAME w/ COVER, STD. 840.54	ADJUST D.I.	CONV. EXIST DI TO J.B.	T.B.D.I. STD. 840.35	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.29	T.B.J.B. STD. 840.34	FLOWABLE FILL (C.Y.)	G.D.I. TYPE "A"- EXTRA DEPTH (SEE DETAIL SHEET 2C-16)	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
207+50 -L-								1																								1											ADJUST DI FOR TRAFFIC PHASING
208+37 -L-								1																	1							1											ADJUST DI FOR TRAFFIC PHASING
208+37 -L-								1																	1							1											ADJUST DI FOR TRAFFIC PHASING
214+00 -L-								1																	1							1											ADJUST DI FOR TRAFFIC PHASING
214+00 -L-								1																	1							1											ADJUST DI FOR TRAFFIC PHASING
213+00 -L-								1																	1							1											ADJUST DI FOR TRAFFIC PHASING
213+00 -L-								1																	1							1											ADJUST DI FOR TRAFFIC PHASING
211+51 -L-								1	5	1.6										1					1							1											ADJUST DI FOR TRAFFIC PHASING
211+56 -L-								1	5	1.2										1					1							1											ADJUST DI FOR TRAFFIC PHASING
219+60 -L-								1	3.2												1				1							1											ADJUST DI FOR TRAFFIC PHASING
219+55 -L-								1	3.2												1				1							1											ADJUST DI FOR TRAFFIC PHASING
234+00-L-								1													1				1							1											ADJUST DI FOR TRAFFIC PHASING
234+00 -L-								1													1				1							1											ADJUST DI FOR TRAFFIC PHASING
233+02 -L-								1	0.8												1				1							1											ADJUST DI FOR TRAFFIC PHASING
232+97 -L-								1	0.8												1				1							1											ADJUST DI FOR TRAFFIC PHASING
245+00 -L-								1													1				1							1											ADJUST DI FOR TRAFFIC PHASING
245+00 -L-								1													1				1							1											ADJUST DI FOR TRAFFIC PHASING
245+65 -L-								1													1				1							1											ADJUST DI FOR TRAFFIC PHASING
245+65 -L-								1													1				1							1											ADJUST DI FOR TRAFFIC PHASING
246+00 -L-								1													1				1							1											ADJUST DI FOR TRAFFIC PHASING
246+00 -L-								1													1				1							1											ADJUST DI FOR TRAFFIC PHASING
246+30 -L-								1													1				1							1											ADJUST DI FOR TRAFFIC PHASING
246+30 -L-								1													1				1							1								0.065			ADJUST DI FOR TRAFFIC PHASING
263+96 -L-																																1											
296+61 -L-																																1											
302+22 -L-								1													1				1							1											ADJUST DI FOR TRAFFIC PHASING
SHEET TOTALS								24	18	2.8										2	22				24							26					5.1			0.130			

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.)	(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