RD248621

COMPUTED BY: D. Petry DATE: 1/23/2014

CHECKED BY: DATE:

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
W-5107	3D-4

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

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

STATION	LOCATION (LT, RT, OR CL)'	STRUCTURE NO.		TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, or PVC)												C.S. PIPE								R.C. PIPE CLASS III								R.C. PIPE CLASS IV							
SIZE								12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	12"	15"	18"	24"	30"	36"	42"	48"	12"	15"	18"	24"	30"	36"	42"	48"	12"	15"	18"	24"	30"	36"	42"	48"
THICKNESS OR GAUGE		FROM	TO																	.064	.064	.064	.064	.079	.079	.109	.109																
-L- 96+60	LT.	901	902		158.21	157.51																																					
-L- 102+67	RT.	1001	1002		154.82	154.65																										20											
-L- 103+14	LT.	1004	1005		153.39	152.87																										84											
-L- 108+35	LT.	1007	1008		153.75	153.63																							16														
-L- 102+75	CL.																																										
-L- 110+10	RT.	1014		156.77																																							
-L- 110+10	RT.	1010	1014		155.50	152.02																																	72				
-L- 110+10	RT.	1014	1011		152.02	151.00																																	108				
-L- 108+25	CL.																																										
-L- 110+45	LT.	1015		152.40																																							
-L- 110+45	LT.	1012	1015		151.50	149.40																																72					
-L- 110+45	LT.	1015	1013		149.40	147.26																																92					
-Y6LPC- 12+70	RT.	1016		160.82																																							
-Y6LPC- 12+70	RT.	1016	1017		156.72	156.52																															40						
-Y6LPC- 12+98	RT.	1028		161.48																																							
-Y6LPC- 12+98	RT.	1028	1016		158.31	156.72																															24						
-Y6LPC- 17+70	RT.	1019		162.57																																							
-Y6LPC- 17+70	RT.	1020	1018		154.00	153.57																																64					
-Y6LPC- 17+70	LT.	1019	1019A		153.57	153.08																																80					
-Y6LPC- 18+55	RT.	1020		161.46																																							
-Y6LPC- 18+55	LT.	1020	1021		153.08	151.64																																92					
-Y6LPC- 17+50	RT.	1033		162.85																																							
-Y6LPC- 17+50	RT.	1033	1019		155.35	153.82																															16						
-L- 113+00	LT.	1022			153.06																																						
-L- 113+00	LT.	1022	1023		150.31	148.78																																					
-Y6LPB- 15+86	LT.	1024		151.88																																							
-Y6LPB- 15+86	LT.	1024	1025		149.13	148.95																							36														
-Y6LPB- 15+86	LT.	1025		153.89																																							
-Y6LPB- 15+86	LT.	1025	1050		147.62	147.38																															48						
-Y6LPB- 19+00	CL	1027	1029		147.00	143.30																								128													
-Y6LPB- 19+87	CL	1030		156.99																																							
-Y6LPB- 19+87	RT.	1030	1031		153.82	146.13																	60																				
-Y6- 14+71	CL	1032	1034		155.00	154.50																																	92				
-Y6- 17+77	RT.	1035		163.21																																							
-Y6- 17+77	RT.	1035	1036		160.04	155.72																															48						
-Y6- 19+00	RT.	1037		165.68																																							
-Y6- 19+00	RT.	1037	1040		163.96	162.51																															48						
-Y6- 19+50	RT.	1040		167.38																																							
-Y6- 19+50	CL	1040	1039		164.21	163.96																															52						
-Y6- 19+50	LT.	1039		167.38																																							
-Y6- 19+50	LT.	1039	1038																		60																						
SHEET TOTALS																					120								52	128		104					276	400	272				

STATION		15" WELDED STEEL PIPE, 0.500" THK. (TRENCHLESS INSTALLATION)	30" WELDED STEEL PIPE, 0.500" THK. (TRENCHLESS INSTALLATION)	36" WELDED STEEL PIPE, 0.500" THK. (TRENCHLESS INSTALLATION)			ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	ENDWALLS CU. YARDS C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') 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	CONCRETE TRANSITIONAL SECTION 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. 840.24	J.B. STD. 840.31 OR 840.32	FLOWABLE FILL, CY.	T.B.D.I. STD. 840.36	STEEL GRATES AND FRAME STD. 840.37	REPAIR EX. DI SEE SPECIAL PROVISIONS	CS 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
-L- 96+60		64																										3								REMOVE DI
-L- 102+67																																		0.656		
-L- 103+14																																		0.656	30	
-L- 108+35																																		0.399		
-L- 102+75																															1					
-L- 110+10									1											1				1												
-L- 110+10																																				
-L- 110+10																																				
-L- 108+25																															1					
-L- 110+45									1												1			1												
-L- 110+45																																				
-L- 110+45																																				
-Y6LPC- 12+70									1							1													1	1						
-Y6LPC- 12+70																																				
-Y6LPC- 12+98									1							1													1	1						
-Y6LPC- 12+98																																				
-Y6LPC- 17+70									1							1													1	1						
-Y6LPC- 17+70																																				
-Y6LPC- 17+70																																				
-Y6LPC- 18+55									1							1													1	1						
-Y6LPC- 18+55																																				
-Y6LPC- 17+50									1							1													1	1						
-Y6LPC- 17+50																																				
-L- 113+00									1												1			1												
-L- 113+00		80																										4								REMOVE CB
-Y6LPB- 15+86									1												1			1												
-Y6LPB- 15+86																																				
-Y6LPB- 15+86									1	1.27						1													1	1						
-Y6LPB- 15+86																																				
-Y6LPB- 19+00																																				
-Y6LPB- 19+87									1							1													1	1						
-Y6LPB- 19+87																																2 @ 15'				
-Y6- 14+71																																			33	REMOVE RCP
-Y6- 17+77									1							1													1	1						
-Y6- 17+77																																			33	REMOVE RCP
-Y6- 19+00									1																				1	1						
-Y6- 19+00																																			20	
-Y6- 19+50									1																				1	1						
-Y6- 19+50																																				
-Y6- 19+50									1																				1	1						
-Y6- 19+50																																2 @ 15"				
SHEET TOTALS		144							15	1.27						8				1	3			4				7	11	11	2	4 @ 15"		1.711	116	

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