COMPUTED BY:	GSBLELL	DATE:	3/29/2012
CHECKED BY:	AJFOSTER	DATE:	3/25/2014

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-2519B	3D-6

RD26541O

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. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, or PVC) 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	C.S. PIPE SIZE 12"	15"	18"	24"	30"	36"	42"	48"	THICKNESS OR GAUGE .064	.064	.064	.064	.079	.079	.109	.109	R.C. PIPE CLASS III SIZE 12"	15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS IV SIZE 12"	15"	18"	24"	30"	36"	42"	48"
-L- STA. 120+30	LT	1117		2479.28																																															
-L- STA. 120+30	LT	1117	1123		2475.53	2475.38																																						36'							
-L- STA. 120+30	CL	1123		2480.38																																															
-L- STA. 120+30	RT	1123	1118		2475.38	2475.30																																						36'							
SHEET 12																																																			
-L- STA 120+30	LT	1117	1217		2475.53																																							36'							
-L- STA. 123+55.44	RT	1201		2456.66																																															
-L- STA. 124+22.58	RT	1202		2478.00																																															
-L- STA. 123+48	RT	1201	1216		2452.39	2452.36						8'																																							
-L- STA. 123+88.53	RT	1202	1201		2472.45	2452.39																		68'																											
-L- STA. 124+38	RT	1203	1202		2472.53	2472.45						28'																																							
-L- STA. 124+60	RT	1204		2485.20																																															
-L- STA. 124+50	RT	1202	1204		2474.23	2481.77																	52'																											
-L- STA. 124+15.38	LT	1205		2480.31																																															
-L- STA. 124+15.38	CL	1221		2481.49																																															
-L- STA. 124+15.38	LT	1221	1205		2477.49	2476.56			40'																																										
-L- STA. 125+00	LT	1206		2480.62																																															
-L- STA. 124+47.50	LT	1205	1206		2476.56	2476.25																																						84'							
-L- STA. 127+50	LT	1207		2482.60																																															
-L- STA. 126+25	LT	1206	1207		2476.25	2475.51																																						248'							
-L- STA. 127+50	RT	1208		2479.70																																															
-L- STA. 127+50	CL	1222		2483.77																																															
-L- STA. 127+50		1207	1222		2479.85	2478.77														44'																															
-L- STA. 127+50	CL	1222	1208		2478.77	2476.07																										56'																			
-L- STA. 127+24	RT	1208	1209		2475.32	2473.39				54'						X	X	X																																	
-L- STA. 129+00	RT	1210		2483.27																																															
-L- STA. 128+25	RT	1210	1208		2479.77	2475.32				148'																																									
-L- STA. 130+50	RT	1211		2488.75																																															
-L- STA. 129+75	RT	1211	1210		2484.61	2480.27				148'																																									
-L- STA. 134+00	RT	1212		2506.91																																															
-L- STA. 132+50	RT	1212	1211		2504.11	2484.86			348'																																										
-L- STA. 130+50	LT	1214		2491.66																																															
-L- STA. 130+50	CL	1219		2492.82																																															
-L- STA. 130+50	LT	1214	1219		2485.65	2485.37																										40'																			
-L- STA. 130+50	CL	1219	1211		2485.37	2484.86																										56'																			
-L- STA. 130+50	LT	1213		2488.51																																															
-L- STA. 130+50	LT	1213	1214		2485.71	2485.65																										16'																			
-L- STA. 120+30	RT	1118	1218																																									36'							
-Y13- STA. 15+59	LT	1220						40'																																											
-DR28- 10+80	CL	1223							60'																																										
SHEET 13																																																			
-L- STA. 134+72.71	LT	1302		2510.95																																															
-L- STA. 134+54.81	LT	1302	1215		2507.05	2500.29															32'																														
-Y13- STA. 16+85	RT	1301		2514.78																																															
-Y13- STA. 17+05	RT	1301	1302		2511.98	2507.30			52'																																										
-L- STA. 135+75	LT	1303		2515.74																																															
-L- STA. 135+23	LT	1303	1302		2512.74																												100'																			
-L- STA. 135+81.38	LT	1304		2515.89																																															
-L- STA. 135+78	LT	1304	1303		2512.89	2512.74																											4'																			
-L- STA. 135+65	RT	1306		2519.59																																															
-L- STA. 135+66	RT	1306	1307		2515.84	2515.65																																						64'							
-L- STA. 136+20	RT	1305		2522.61																																															
-L- STA. 135+92.50	RT	1305	1306		2518.60	2515.84																																						52'							
-L- STA. 136+24	RT	1308			2511.00	2506.33																		28'																											
-Y14- STA. 11+28	LT	1309	1310		2515.00	2511.40						100'																																							
-L- STA. 137+50	RT	1310		2521.00																																															
-L- STA. 137+50	RT	1310	1311		2511.40	2509.20						16'																																							
-L- STA. 139+00	CL	1317		2535.34																																								80'							
-L- STA. 139+00	CL	1317	1316		2531.59	2527.06																																						80'							
-L- STA. 142+00	CL	1318		2543.28																																															
-L- STA. 140+50	CL	1318	1317		2539.53	2531.59																																						300'							
-L- STA. 141+00	LT	1326		2536.14																																															
-L- STA. 140+26.91	LT	1326	1313		2533.14	2519.35															140'																														
SHEET TOTALS								480'	208'	202'		152'								44'	172'		52'	96'								168'	104'											972'							

STATION	36" R.C. PIPE (CLASS V)	42" R.C. PIPE (CLASS V)	30" WELDED PIPE, .500" THICK, GRADE B	36" WELDED PIPE, .500" THICK, GRADE B	42" WELDED PIPE, .625" THICK, GRADE B	48" WELDED PIPE, .625" THICK, GRADE B	ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	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	CATCH BASIN	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	SPRING BOX STD. 840.41	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	T.B.G.D.I. STD. 840.35	T.B.J.B. STD. 840.34	J.B. STD. 840.31 OR 840.32	PARALLEL PIPE END SECTION STD. 310.02 OR 310.04	M. H. FRAME AND COVER STD. 840.54	OT CATCH BASIN OR STD. 840.04 (SHEET 2C-10)	PREFORMED SCOUR HOLE	FLOWABLE FILL	J.B. STD. 840.52	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	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- STA. 120+30									1															1																				
-L- STA. 120+30																																												
-L- STA. 120+30									1																							1		1									
-L- STA. 120+30																																												
SHEET 12																																												
-L- STA 120+30																																												
-L- STA. 123+55.44									1																							1											
-L- STA. 124+22.58									1	0.55																						1										163'	REMOVE EXIST. 18" CM PIPE
-L- STA. 123+48																																												
-L- STA. 123+88.53																																								2@30"				
-L- STA. 124+38																																												SLUICE GATE W/ HDWL
-L- STA. 124+60							2.3		1																										1								
-L- STA. 124+50																																								2@24"				
-L- STA. 124+15.38									1																1				1														
-L- STA. 124+15.38									1																							1		1									
-L- STA. 124+15.38																																												
-L- STA. 125+00									1																1				1														
-L- STA. 124+47.50																																												
-L- STA. 127+50									1	2.09															1				1														
-L- STA. 126+25																																												
-L- STA. 127+50									1																	1				1													
-L- STA. 127+50									1																							1		1									
-L- STA. 127+50																																												
-L- STA. 127+50																																												
-L- STA. 127+24																																												
-L- STA. 129+00									1																	1				1													
-L- STA. 128+25																																												
-L- STA. 130+50									1																1				1														
-L- STA. 129+75																																												
-L- STA. 134+00									1																1				1														
-L- STA. 132+50																																												
-L- STA. 130+50									1	1.01															1				1														
-L- STA. 130+50									1	2.45																						1		1									
-L- STA. 130+50																																												
-L- STA. 130+50																																												
-L- STA. 130+50									1																1				1														
-L- STA. 130+50																																												
-L- STA. 120+30																																												
-Y13- STA. 15+59																																												
-DR28- 10+80																																												
SHEET 13																																												
-L- STA. 134+72.71									1																							1											
-L- STA. 134+54.81																																												
-Y13- STA. 16+85									1																1				1														
-Y13- STA. 17+05																																												
-L- STA. 135+75									1																1				1														
-L- STA. 135+23																																												
-L- STA. 135+81.38									1																1				1														
-L- STA. 135+78																																												
-L- STA. 135+65									1								1		1	1																							
-L- STA. 135+66																																												
-L- STA. 136+20									1								1		1	1																							
-L- STA. 135+92.50																																												
-L- STA. 136+24																																								2@30"				
-Y14- STA. 11+28																																										34'	REMOVE EXIST. 24" CM PIPE
-L- STA. 137+50									1	4.6															1				1														
-L- STA. 137+50																																												TIE TO CULVERT
-L- STA. 139+00									1			1		1																							78						
-L- STA. 139+00																																					21						
-L- STA. 142+00									1			1		1																													
-L- STA. 140+50																																												
-L- STA. 141+00									1																1				1														
-L- STA. 140+26.91																																												
SHEET TOTALS							2.3		27	10.7		2		2			2		2	2	3	12			9	6		7		4	1		99			2@24" 4@30"			197'	

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