COMPUTED BY:	RWP	DATE:	12/4/2017
CHECKED BY:	RHT	DATE:	1/18/2018

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-2501C	3D-2

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".

STATEWIDE
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) 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																			
-L- STA 1212+12	LT	912													48				
-L- STA 1215+78	RT	1001									40								
-L- STA 1219+08	RT	1002		396.9	393.6														
		1002	1003		394.8	393.6						28							
-L- STA 1224+36	RT	1004		412.2	409.7														
		1004	1005		409.7	407.3						16							
-L- STA 1224+36	RT	1005		411.8	407.5														
		1005	1006		407.5	398.7													
-L- STA 1221+12	RT	1006		403.0	398.7														
		1006	1007		398.7	398.5													
-L- STA 1221+12	LT	1007		403.0	398.5														
		1007	1008		398.5	392.6													
-L- STA 1219+08	RT	1003		397.1	393.8														
		1003	1008		393.8	392.6													
-L- STA 1219+08	LT	1008		397.1	392.6														
		1008	1009		392.6	392.4						20							
-L- STA 1227+59	LT	1102		421.1	417.3														
		1102	1101		417.3	416.0					28								
-L- STA 1227+59	RT	1103		421.1	417.8														
		1103	1102		417.8	417.3													
-L- STA 1230+27	RT	1104		430.4	427.1														
		1104	1103		427.1	417.8													
-L- STA 1233+00	RT	1105		438.6	435.1														
		1105	1104		435.1	427.1													
-L- STA 1236+59	RT	1106		440.4	436.4														
		1106	1105		436.4	435.1													
-L- STA 1238+25	RT	1107		440.8	437.3														
		1107	1106		437.3	436.4													
-L- STA 1240+00	RT	1108		441.5	438.0														
		1108	1107		438.0	437.3													
-L- STA 1240+00	LT	1119		441.5	438.5														
		1119	1118		438.5	437.8													
-L- STA 1238+25	LT	1118		440.8	437.8														
		1118	1117		437.8	437.2													
-L- STA 1236+59	LT	1117		440.4	437.2														
		1117	1116		437.2	436.7													
-L- STA 1234+52	LT	1115		440.1	437.9														
		1115	1116		437.9	436.7				24									
-L- STA 1234+69	LT	1116		440.7	436.4														
		1116	1114		436.4	426.8													
-L- STA 1230+33	LT	1114		430.6	426.8														
		1114	1113		426.8	424.9					28								
-Y2- STA 11+20	RT	1202		439.6	436.6														
		1202	1201		436.6	436.5					32								
-L- STA 1243+11	LT	1203		442.5	439.5														
		1203	1202		439.5	436.6				88									
-Y4- STA 10+55	LT	1204		443.1	440.1														
		1204	1203		440.1	439.5													
-L- STA 1242+41	RT	1205		442.2	439.1														
		1205	1108		439.1	438.0													
-L- STA 1243+11	RT	1206		442.5	439.5														
		1206	1205		439.5	439.1													
-L- STA 1245+33	RT	1209		443.1	440.1														
		1209	1206		440.1	439.5													
-L- STA 1253+55	RT	1208		431.2	426.0														
		1208	1207		426.0	425.3													
-L- STA 1253+55	LT	1207		431.0	425.3														
		1207	1301		425.3	409.7													
-L- STA 1258+50	LT	1301		413.0	409.7														
		1301	1302		409.7	408.5													
-L- STA 1259+60	RT	1303																	
		1303	OUT		407.9	407.1													
-L- STA 1260+50	LT	1304		409.7	406.7														
		1304	1305		406.7	404.6													
-L- STA 1254+16	RT	1310		429.3	426.3														
		1310	1208		426.2	426.0													
SHEET TOTALS										112	60	68	64		48				

| 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) | **** RC PIPE CULVERTS, CONTRACTOR DESIGN | ***** RC PIPE CULVERTS, CONTRACTOR DESIGN | 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 *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" x (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 STD. 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 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. 840.29 | 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 | T.B.J.B STD. 840.34 | BERM DRAIN OUTLET (5Y) STD. 858.10 AND 858.11 | FLOWABLE FILL (CY) | SIDE DRAIN 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 |
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