RAL-M5705

COMPUTED BY: WDR DATE:

CHECKED BY: JAB DATE:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-2237B	3-O

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

STATION	LOCATION (LT, RT, OR CL)'	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) 12"	15"	18"	24"	30"	36"	42"	48"	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 12"	15"	18"	24"		30"		36"		42"		48"	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (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' + (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	M.D.I. TYPE "A" STD. 840.17 OR 840.26	M.D.I. TYPE "B" STD. 840.18 OR 840.27	M.D.I. TYPE "D" STD. 840.19 OR 840.28	M.D.I. FRAME WITH TWO GRATES STD. 840.20	M.D.I. FRAME WITH GRATE STD. 840.22	M.D.I. FRAME WITH TWO GRATES STD. 840.22	J.B. STD. 840.31 OR 840.32	T.B.J.B. STD. 840.46	M.H. FRAME AND COVER STD. 840.54	SPRING BOX STD. 840.41	6" P.V.C. FOR SPRING BOX	36" BDO SPECIAL DETAIL	24" SMOOTH STEEL PIPE, t=0.5"	36" SMOOTH STEEL PIPE, t=0.5"	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD. 840.72	FLOWABLE FILL, C.Y.	PIPE REMOVAL LIN. FT.	REMARKS
SIZE								12"	15"	18"	24"	30"	36"	42"	48"	12"	15"	18"	24"		30"		36"		42"		48"																															
THICKNESS OR GAUGE																.064	.064	.064	.064	.138	.079		.079		.109		.109																																	
Sheet 23																																																									
L 248+00	R	155		2542.86																											1							1						1																
L 248+00	R	155	156		2540.11	2539.19			92																																																			
L 247+55	L	156		2543.41																											1							1						1																
L 247+55	L	156	157		2539.04	2475.15											96																																											
L 247+55	L	157		2478.02																											1								1																				
L 247+55	L	157	OUT		2475.00	2467.00											20																																											
L 252+00	R	158			2568.00																																																							
L 252+00	R	158	159		2568.00	2550.84													44																																									
L 252+00	R	159		2553.69																											1							1						1																
L 252+00	R	159	160		2550.69	2549.89				80																																																		
L 251+88	L	160		2555.71																											1	0.82						1						1																
L 251+88	L	160	OUT		2549.74	2547.20													28																																									
L 252+00	L	161		2556.19																											1							1						1																
L 252+00	L	161	160		2553.29	2552.09			12																																																			
L 255+55	R	162		2576.12																											1							1																				
L 255+55	R	162	163		2573.72	2573.41			24																																																		
L 255+55	R	163		2576.56																											1								1																			
L 249+50	L	155A																											52																													
L 252+00	C																																																									
Sheet 24																																																											
L 261+00	L	164		2609.74																											1							1						1																
L 261+00	L	164	OUT		2606.84	2606.50			16																																																			
L 269+50	R	165			2672.00																																																					
L 269+50	R	165	166		2672.00	2662.35													28																																								
L 269+50	R	166		2665.20																											1							1						1																
L 269+50	R	166	167		2662.20	2658.55				80																																																		
L 268+65	R	167		2661.40																											1							1						1																
L 268+65	R	167	168		2658.40	2652.15				120																																																		
L 268+65	L	168		2655.27																											1								1																				
L 268+65	L	168	169		2652.00	2602.15													92																																									
L 269+10	L	169		2605.27																											1								1																				
L 269+10	L	169	OUT		2602.00	NG													268																																									
L 269+30	C																																																									
Sheet 25																																																										
L 271+20	R																																																									
L 272+84	C																																																									
L 272+90	L																																																									
L 273+00	R	170		2679.50																											1	0.1						1						1																
L 273+00	R	170	171		2674.40	2653.15													132																																									
L 273+00	L	171		2656.27																											1								1																				
L 273+00	L	171	OUT		2653.00	2558.00													308																																									
L 276+76	C																																																									
L 277+00	R	172		2697.63																											1							1						1																
L 277+00	R	172	170B		2694.88	2684.86			248																																																			
L 272+00	R	170A		2677.65																											1							1						1																
L 272+00	R	170A	170		2674.90	2674.40			100																																																			
L 274+50	R	170C		2690.27																											1							1						1																
L 274+50	R	170C	170B		2685.27	2684.86			4																																																			
SHEET TOTALS									496	280							116	900											52			18	0.92			13		7		6	4	1			0									9@18"		18.5	113	

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
M.D.I.	MEDIAN DROP INLET
M.D.I.(N.S.)	MEDIAN 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