RALC8W5W41

COMPUTED BY: C. HIGHFILL DATE: 7/30/2004

CHECKED BY: D. BASS DATE: 7/30/2004

PROJECT NO.	SHEET NO.
R-2911D	3-G

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

STATION / SIZE / THICKNESS OR GAUGE	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" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	WELDED STEEL 24" .064	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 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'	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	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATE STD. 840.16	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 GRATE STD. 840.20	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	M.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	M.D.I. FRAME WITH TWO GRATES STD. 840.22	J.B. STD. 840.31 OR 840.32	M.D.I. (N.S.) FRAME WITH TWO FLAT GRATES STD. 840.29	MANHOLE STD. 840.51	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND COVER STD. 840.54	18" X 18" X 18" PERFORATED TEE RISER	CONVERT 2GI W/LID TO 2GI W/FRAME AND GRATE	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD. 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN. FT.	REMARKS
335+74 L	LT	115		722.23	719.98																								1										1			1													20	
334+83 L	LT	115	113		719.98	715.7			88																																															
337+18 L	LT	118		727.76	725.01																								1										1			1													20	
335+74 L	LT	118	115		725.01	719.98			144																																														
334+83 L	LT	113	114		715.7	715.22			76																																													68	
336+85 L	CL	116		726.71	723.71																								1										1			1														
334+83 L	CL	116	114		723.71	715.22				200																																												57	REMOVE DI
336+85 L	RT	117		726.34	724.42																								1											1		1														
336+85 L	CL	117	116		724.42	723.71			76																																														
340+63 L	CL	120		737.83	733.27																								1										1			1														
336+85 L	CL	120	116		733.27	723.71			380																																														
340+63 L	LT	119		735.66	733.74																								1											1		1														
340+63 L	CL	119	120		733.74	733.27			64																																													60	
340+63 L	RT	121		735.48	733.56																								1											1		1														
340+63 L	CL	121	120		733.56	733.27			100																																														
12+83 Y5	RT	122		Drive Pipe																				80																															20	
346+20 L	RT	124	127		732.91	729.94			204																																														
344+17 L	RT	124		735.66	732.91																								1										1			1													20	
346+20 L	RT	127		731.86	729.94																								1											1		1														
346+20 L	CL	127	126		729.94	729.69			68																																														
346+20 L	CL	126		733.16	729.69																								1										1			1													16	
346+20 L	LT	125		731.85	729.93																								1											1		1													8	
346+20 L	CL	125	126		729.93	729.69			80																																														
348+83 L	CL	126	129		729.69	717.38			260																																													20	
349+08 L	LT	128		724.67	721.92																								1										1			1													92	REMOVE DI
348+83 L	CL	128	129		721.92	717.38			80																																														
348+83 L	CL	129		722.13	717.38																								1									1				1														
348+83 L	RT	131	130		726.3	719.94												16																																	1 @ 18"				BDO
348+83 L	RT	130		722.94	719.94																								1										1			1														
348+83 L	CL	130	129		719.94	717.38				76																																													
SHEET TOTALS									1620	276								16						80					14									1	8	5		14										1 @ 18"			401	

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