COMPUTED BY: MJ DuVAL DATE: 06/10/02
CHECKED BY: JRH DATE: 11/12/03

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
R-0513BA	3-E

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200 mm & 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) 300	375	450	600	750	900	1050	1200	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 300	400	450	600	800	900	1000	1200	375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	600mm SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. METERS R.C.P.	C.S.P.	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	FOR DRAINAGE STRUCTURES TOTAL IN FOR PAY QUANTITY SHALL BE EQUAL TO "A" + (1.5 X COL. "B") METERS 1.50 THRU 3.00 A	3.00 AND ABOVE B	C.B. STD. 840.01 OR 840.02	FRAME, GRATES, AND HOOD STD. 840.03 TYPE OF GRATE E	F	G	D.I. STD 840.14 OR STD. 840.15	D.I. FRAME & GRATE STD. 840.16	M.D.I. TYPE "D" STD. 840.19 OR 840.28	M.D.I. TYPE "B" STD. 840.18 OR 840.27	M.D.I. TYPE "A" STD. 840.17 OR 840.26	M.D.I. FRAME W/TWO GRATES STD. 840.22	M.D.I. FRAME WITH GRATE STD. 840.22	M.D.I (N.S.) FRAME W/ 2 GRATES STD. 840.24	M.D.I (N.S.) FRAME W/ 2 GRATES STD. 840.29	M.D.I FRAME WITH TWO GRATES STD. 840.20	T.B.D.I. STD. 840.35	T.B.D.I. FRAME WITH TWO GRATE STD. 840.37	M.H. FRAME & COVER STD. 840.54	J.B. STD 840.31 OR 840.32	T.B.J.B. STD 840.34	ADJUST 2 GI	375mm PARALLEL PIPE END SECTION	450mm PARALLEL PIPE END SECTION	CORR. STEEL ELBOW NO. & SIZE	PREFORMED SCOUR HOLE	CONC. COLLARS, CL. B STD. 840.72	CONC. & BRICK PIPE PLUG m3 STD. 840.71	PIPE REMOVAL
-L-																																																						
133+01	LT.	123		50.37																									1								1						1											
132+85	LT.	123	124		49.532	49.182			15.6																																													
132+85	LT.	124		50.071																									1								1						1											
132+85	LT.	124	125		49.157	46.412											12.0																																		2@400				
133+20	CL.	126		50.015																									1								1		1															
133+20	CL.	126	127		49.177	48.957			21.0																																													
133+20	RT.	127		50.77																									1	0.3							1						1											
133+20	RT.	127	128		48.932	44.481											19.2																																		2@400				
133+80	LT.	129		51.97																									1								1						1											
133+80	LT.	129	130		51.056	46.107											18.0																																		2@400				
134+00	CL.	131			43.97	43.74								94.8																																								
134+02	CL.	132			43.97	43.74								94.8													4.6																											
134+80	CL.	133		53.211																									1								1		1															
134+80	CL.	133	134		52.373	52.153			22.8																																													
134+80	RT.	134		53.966																									1	0.3							1						1											
134+80	RT.	134	135		52.128	44.719											30.0																																		2@400				
135+80	LT.	136		55.621																									1								1						1											
135+80	LT.	136	137		54.707	46.494											28.8																																		2@400				
136+60	CL.	138		55.793																									1								1		1															
136+60	CL.	138	139		54.955	54.735			22.8																																													
136+60	RT.	139		56.548																									1	0.3							1						1											
136+60	RT.	139	140		54.71	45.528											33.6																																		2@400				
137+70	LT.	141		57.275																									1								1						1											
137+70	LT.	141	142		56.361	46.136											35.0																																		2@400				
137+86	RT.	143		57.339																									1								1						1											
137+86	RT.	143	144		56.425	45.197											37.2																																		2@400				
138+48	CL.	144b			44.98	44.29					123.6																																												
138+67	LT.	145		57.327																									1								1						1											
138+67	LT.	145	146		56.413	45.475											38.4																																		2@400				
138+90	RT.	147		57.282																									1								1						1											
138+90	RT.	147	148		56.368	45.257											34.8																																		2@400				
140+60	CL.	149		55.131																									1								1		1															
140+60	RT.	149	150		54.293	54.073			22.8																																													
140+60	RT.	150		55.886																									1	0.3							1						1											
140+60	RT.	150	151		54.048	45.080											32.4																																		2@400	1			
140+77	LT.	152		55.658																									1								1						1											
140+77	LT.	152	153		54.744	46.144											30.0																																		2@400				
142+20	CL.	154		52.478																									1								1		1															
142+20	CL.	154	155		51.64	51.44			21.6																																													
142+20	RT.	155		53.17																									1	0.3							1						1											
142+20	RT.	155	156		51.415	45.44											25.2																																		2@400				
142+80	LT.	157		51.97																									1								1						1											
142+80	LT.	157	158		51.056	45.714											20.4																																		2@400				
SHEET TOTAL									126.6		123.6			189.6			395										4.6		20	1.5							20		5			15										28@400	1			

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 JUCTION BOX

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