6/20/00

COMPUTED BY: S.P. ASHLEY DATE: 06/06/02
CHECKED BY: JRH DATE: 11/10/03

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-0513A	3-D

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200 mm & 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) 300	375	450	600	750	900	1050	1200	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 300 1.63	400 1.63	450 1.63	600 1.63	600	800 2.01	800	900 2.01	900	CLASS IV R.C. PIPE 450	750	375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	600mm SIDE DRAIN PIPE	ENDWALLS STD. 838.01 STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. METERS R.C.P.	C.S.P.	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	FOR DRAINAGE *TOTAL M FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') METERS A 1.50 THRU 3.00	B 3.00 AND ABOVE	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 WITH TWO GRATES STD. 840.22	M.D.I. FRAME WITH GRATE STD. 840.22	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	M.D.I. (N.S.) FRAME WITH TWO 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 GRATES 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		REMOVE EXISTING DI					375mm PARALLEL PIPE END SECTION	450mm PARELLEL PIPE END SECTION	CORR. STEEL ELBOW NO. & SIZE	PREFORMED SCOUR HOLE	CONC. COLLARS, CL. "B" CM STD.840.72	CONC. & BRICK PIPE PLUG m3 STD.840.71	PIPE REMOVAL	REMARKS
-L-																																																																				
42+00	CL.	85		53.68																												1											1		1																							
42+00	RT.	85	86		52.87	51.87			32.4																																																											
42+00	RT.	86		52.51																												1										1			1																							
42+00	RT.	86	87		51.87	51.75				20.4																																																										
44+00	CL.	88		53.08																												1											1		1																							
44+00	RT.	88	89		52.27	51.73			30																																																											
44+00	RT.	89		52.37																												1										1			1																							
44+00	RT.	89	90		51.73	51.55				24																																																										
46+00	RT.	91			51.00	50.91				15.6																			1.5																																						
46+00	RT.	92			51.00	50.91				15.6																																																									
46+00	RT.	93	94		50.91	50.87							28.8																	2.6																																						
46+00	CL.	94		52.56																												1	.19										1		1																							
46+00	LT.	94	95		50.87	50.83							31.2																																																							
51+00	LT.	96		52.58																												1											1		1																							
51+00	LT.	96	97		51.77	51.62			31.2																																																											
53+24	RT.	98	99		50.70	50.65	X						30																	2.6																																						
53+24	CL.	99		51.88																												1											1		1																							
53+23	LT.	99	100		50.65	50.60	X						31.2																																																							
54+79	CL.	101		51.48																												1										1			1																							
54+79	LT.	101	102		50.86	50.80				31.2																																																										
56+33	CL.	103		51.89																												1											1		1																							
56+33	RT.	103	104		51.08	50.80			31.2																																																											
57+50	LT.	105		52.26																												1											1		1																							
57+50	LT.	105	106		51.45	51.00			31.2																																																											
58+60	CL.	107		52.62																												1											1		1																							
58+60	LT.	107	108		51.81	51.00			32.4																																																											
60+08	CL.	109			50.10	50.00						64.6																																																								
62+20	CL.	110		52.28																												1											1		1																							
62+20	RT.	110	111		51.47	50.60			32.4																																																											
64+18	LT.	112	113		49.80	49.71					51.6																																																									
64+40	CL.	113		51.62																												1	.41										1		1																							
64+67	RT.	113	114		49.71	49.62					64.8																																																									
-RPBY2-																																																																				
13+90	LT.	115		57.00																												1																	1	1																		
13+63	LT.	115	116		56.19	54.71			55.2																																																											
13+35	LT.	116		55.52																												1																	1	1																		
13+05	LT.	116	117		54.71	53.13			58.8																																																											
12+75	LT.	117		54.02																												1																	1	1																		
12+75	LT.	117	118		53.13	49.50											13.2																																													2@450					
-L-																																																																				
66+85	CL.	120		51.04																												1											1		1																							
66+76	LT.	119	120		49.60	49.54					38.4																																																									
66+96	RT.	120	121		49.54	49.48					37.2																																																									
SHEET TOTAL									334.8	75.6	223.2	64.6	121.2					13.2												6.7		17	.60									3	11		14				3	3													2@450					

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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