6/20/00

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

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

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) SIZE	300	375	450	600	750	900	1050	1200	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) SIZE	300	400	450	600	800	900	1000	1200
								THICKNESS OR GAUGE											1.63	1.63	1.63	1.63	2.01	2.01	2.77	2.77
–RPCY1–																										
14+31	CL.	39			47.71	46.95					33.6															
16+23	CL.	40			47.52	46.47					36.0															
–LPCY1–																										
12+63	LT.	41		49.189																						
12+63	LT.	41	42		48.351	47.576				12.0																
11+86	CL.	43		50.495																						
11+86	CL.	43	44		47.32	47.29					16.8															
11+86	CL.	45	43		47.56	47.35					24.0															
–L–																										
112+92	LT.	46		55.673																						
112+92	LT.	46	47		54.759	47.789												22.8								
–Y1–																										
12+55	RT.	48									12.0															
12+20	RT.	49									12.0															
–SR1–																										
10+50	CL.	50			46.56	46.44						24.0														
–RPCY1–																										
18+40	CL.	51		47.68																						
18+40	CL.	51	52		46.842	45.93				22.8																
–LPCY1–																										
14+42	LT.	53		47.213																						
14+42	LT.	53	54		47.07	46.853				7.2																
–Y1–																										
17+95	CL.	55			45.96	45.72							63.6													
–RPCY1–																										
18+79	CL.	56		48.117																						
18+79	CL.	56	57		47.40	45.87				24.0																
–Y1–																										
18+30	CL.	58			45.85	45.75						38.4														
18+71	LT.	59								7.2																
19+66	LT.	60				46.28					4.8															
19+66	RT.	61			46.32						6.0															
19+81	RT.	62								9.6																
19+98	RT.	63								9.6																
–SR2–																										
10+31	CL.	64			46.00	45.72						25.2														
SHEET TOTAL										92.4	145.2	87.6	63.6					22.8								

STATION	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.	ENDWALLS: STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. METERS C.S.P.	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	FOR DRAINAGE PIPE INSTALLED IN FILL, TOTAL QUANTITY SHALL BE "A" + (1.3 X COL. "B") METERS 1.50 THRU 3.00 "A"	METERS 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	REMARKS
–RPCY1–																																		
14+31																																		
16+23																																		
–LPCY1–																																		
12+63						1			1	1																								
12+63																																		
11+86						1	1.42		1			1																						
11+86																																		
11+86																																		
–L–																																		
112+92						1																												
112+92																															2@400			
–Y1–																																		
12+55																													2				5.4	Driveway Pipe
12+20																													2				5.1	Driveway Pipe
–SR1–																																		
10+50																																		
–RPCY1–																																		
18+40						1																	1		1									
18+40																																		
–LPCY1–																																		
14+42						1			1		1																							
14+42																																		
–Y1–																																		
17+95																																		
–RPCY1–																																		
18+79						1									1	1																		
18+79																																		
–Y1–																																		
18+30																																		
18+71																													2				5.9	Driveway Pipe
19+66																															0.33			
19+66																															0.33			Driveway Pipe
19+81																													2					Driveway Pipe
19+98																													2					
–SR2–																																		
10+31																																		
SHEET TOTAL						6	1.42		3	1		2		1	1		1	1			1	1							6	4	2@400		0.66		16.4	

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

REMARKS

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