COMPUTED BY: S.P. ASHLEY DATE: 0606/02
CHECKED BY: JRH DATE: 11/10/03

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-0513A	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 (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
-RPCY2-																										
13+05	CL.	122			49.90	49.85				55.2																
15+85	CL.	123			49.48	49.35																				87.6
-Y2-																										
17+34	LT.	124		60.31																						
17+31	CL.	124	125		59.50	59.40			13.2																	
17+29	RT.	125		60.34																						
17+29	RT.	125	126		59.40	50.00											43.2									
-L-																										
68+92	RT.	127		52.45																						
68+92	CL.	127	128		51.64	51.58			14.4																	
68+92	LT.	128		52.45																						
68+99	LT.	128	129		51.58	50.50				26.4																
-Y2-																										
16+46	RT.	130		60.36																						
16+49	CL.	130	131		59.55	59.45			13.2																	
16+51	LT.	131		60.38																						
16+51	LT.	131	132		59.45	50.50											38.4									
-L-																										
70+20	CL.	133		52.10																						
70+20	LT.	133	134		51.54	51.30			32.4																	
-RPAY2-																										
12+90	CL.	135			50.20	50.00				38.4																
-RPDY2-																										
14+00	CL.	136			50.10	49.50																			62.4	
13+97	LT.	137		56.80																						
13+97	LT.	137	138		55.99	49.50											21.6									
13+25	LT.	139		55.16																						
12+88	LT.	139	140		54.35	52.60			72																	
12+52	LT.	140		53.49																						
12+52	LT.	140	141		52.60	49.80												12								
-Y2-																										
19+57	RT.	143		56.28																						
19+57	LT.	143	144		55.27	49.60			26.4																	
-L-																										
74+20	CL.	145		51.90																						
74+20	LT.	145	146		51.09	46.70			36																	
76+40	RT.	148		50.50																						
76+40	RT.	148	149		49.94	49.80			30																	
SHEET TOTAL									237.6	120							103.2	12							62.4	87.6

STATION	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
13+05 CL.																																				
15+85 CL.																																				
17+34 LT.						1															1		1													
17+31 CL.																																				
17+29 RT.						1															1		1													
17+29 RT.																															2@400					
68+92 RT.						1										1						1														
68+92 CL.																																				
68+92 LT.						1										1						1														
68+99 LT.																																				
16+46 RT.						1															1		1													
16+49 CL.																																				
16+51 LT.						1															1		1													
16+51 LT.																															2@400					
70+20 CL.						1										1		1																		
70+20 LT.																																				
12+90 CL.																																				
14+00 CL.																																				
13+97 LT.						1															1		1													
13+97 LT.																															2@400					
13+25 LT.						1															1		1													
12+88 LT.																																				
12+52 LT.						1															1		1													
12+52 LT.																															2@450					
19+57 RT.						1							1	1																						
19+57 LT.																																				
74+20 CL.						1										1		1																		
74+20 LT.																																				
76+40 RT.						1									1			1																		
76+40 RT.																																				
SHEET TOTAL						13							1	1	1	4		3			7	2	7								6@400 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

6/20/00

30-SEP-2004 15:03
R:\Proj_R0513A.sum
mduval AT RD188649