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

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

METRIC

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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
SIZE / THICKNESS OR GAUGE															
-SR2-															
15+95	CL.	94	95		45.883	44.72				25.2					
-SR1-															
16+60	CL.	96			45.79	45.72					24.0				
-L-															
120+30	LT.	97		47.499											
120+30	CL.	97	98		46.661	46.496			34.8						
120+30	CL.	98		48.52											
120+30	CL.	98	99		46.421	45.89				38.4					
120+30	RT.	99		46.807											
-SR2-															
15+76	CL.	99	100		45.74	44.47					26.4				
-L-															
124+40	LT.	101		47.453											
124+40	CL.	101	102		46.539	46.132				33.6					
124+40	CL.	102		48.523											
124+40	CL.	102	103		46.102	45.671				36.0					
124+40	RT.	103		46.63											
-SR2-															
19+86	CL.	103	104		45.563	45.327					24.0				
-L-															
126+00	LT.	105		46.858											
126+00	CL.	105	106		46.02	45.823			33.6						
126+00	CL.	106		48.041											
126+00	CL.	106	107		45.748	45.514				34.8					
127+60	LT.	108		46.377											
127+60	LT.	108	109		45.539	45.246			33.6						
127+60	CL.	109		47.559											
127+60	CL.	109	110		45.171	44.821				37.2					
129+20	LT.	112		46.055											
129+20	CL.	112	113		45.141	45.104				34.2					
129+20	CL.	113		47.077											
129+20	CL.	113	114		44.954	44.913					37.2				
130+66	LT.	115		46.191											
130+66	LT.	115	116		45.531	45.50				30.0					
130+66	CL.	116		46.677											
130+66	CL.	116	117		45.386	45.352					34.8				
131+60	CL.	118		47.183											
131+60	CL.	118	119		46.345	45.188			34.8						
132+50	RT.	120		49.37											
132+42	RT.	120	121		48.532	48.152			18.0						
132+33	RT.	121		49.041											
132+33	RT.	121	122		48.127	44.863									
SHEET TOTAL									154.8	269.4	146.4				

STATION	FROM	TO	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	1000 (2.77)	1000	1200 (2.77)	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 *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
15+95	94	95																						
16+60	96																							
120+30	97																				1			
120+30	97	98																						
120+30	98																				1			
120+30	98	99																						
120+30	99																				1			
15+76	99	100																						
124+40	101																				1			
124+40	101	102																						
124+40	102																				1	0.9		
124+40	102	103																						
124+40	103																				1			
19+86	103	104																						
126+00	105																				1			
126+00	105	106																						
126+00	106																				1	0.8		
126+00	106	107																						
127+60	108																				1			
127+60	108	109																						
127+60	109																				1	0.9		
127+60	109	110																						
129+20	112																				1			
129+20	112	113																						
129+20	113																				1	0.6		
129+20	113	114																						
130+66	115																				1			
130+66	115	116																						
130+66	116																				1			
130+66	116	117																						
131+60	118																				1			
131+60	118	119																						
132+50	120																				1			
132+42	120	121																						
132+33	121																				1			
132+33	121	122		14.0																				
SHEET TOTAL				14.0																	18	3.2		

STATION	FROM	TO	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
15+95	94	95																																	
16+60	96																																		
120+30	97									1		1																							
120+30	97	98																																	
120+30	98									1		1																							
120+30	98	99																																	
120+30	99									1		1																							
15+76	99	100																																	
124+40	101									1		1																							
124+40	101	102																																	
124+40	102									1		1																							
124+40	102	103																																	
124+40	103									1		1																							
19+86	103	104																																	
126+00	105									1		1																							
126+00	105	106																																	
126+00	106									1		1																							
126+00	106	107																																	
127+60	108									1		1																							
127+60	108	109																																	
127+60	109									1		1																							
127+60	109	110																																	
129+20	112									1		1																							
129+20	112	113																																	
129+20	113									1		1																							
129+20	113	114																																	
130+66	115								1			1																							
130+66	115	116																																	
130+66	116									1		1																							
130+66	116	117																																	
131+60	118									1		1																							
131+60	118	119																																	
132+50	120									1						1																			
132+42	120	121																																	
132+33	121									1						1																			
132+33	121	122																																	
SHEET TOTAL									1	16		15				2																			

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

14-JUL-2004 16:16 R:\proj\r0513ba.sum WCRoach AT RD187165