COMPUTED BY: FMY DATE: 7/12/04
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2568B	3-B

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200 mm & UNDER)

STATION LOCATION	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) NOTE: • CLASS IV R.C. PIPE WITH METHOD 'B' INSTALLATION ▲CLASS IV R.C. PIPE ■ WELDED STEEL PIPE — SIZE 300	375	450	600	750	900	1050	1200	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) — THICKNESS OR GAUGE 300	400	450	600	800	900	1000	1200
-Y- 10+33	31									38.4												
-Y1- 11+10 RT.	32																					
-Y1- 10+95 RT.	33																					
-Y- 12+40	34								26.4													
-Y- 11+80 LT.	35																					
-Y- 11+20 LT.	35A																					
-L- 29+90	28 - 36		230.47										• 96.0									
-L- 30+00 RT.	37	241.44																				
-L- 30+00	37 - 38		240.10	238.50				30.0														
-L- 30+19 LT.	39 - 40	240.50								19.2												
-L- 30+38 LT.	40	243.00																				
	40 - 41		242.19	243.69					80.4													
-L- 31+19 LT.	41	244.50																				
	41 - 42		243.69	243.96				22.8														
-L- 31+20	42	244.77																				
	42 - 43		243.96					21.6														
-L- 31+22 RT.	43	244.80																				
-L- 31+40 LT.	44																					
-L- 33+03 LT.	44A																					
-L- 33+20	45	247.29																				
	45 - 46		246.73	246.40				15.6														
-L- 33+20 LT.	46	247.70																				
	46 - 47		246.40	242.50											13.2							
-L- 33+20 LT.	47	244.00																				
-L- 33+40 LT.	47 - 48		242.50	239.00											21.6							
-L- 33+81	49												• 85.2									
-L- 33+70 LT.	50 - 51		239.05	244.49											30.0							
-L- 34+00 LT.	51	245.30																				
	51 - 52		244.49	246.28				21.6														
-L- 34+20 LT.	52	247.98																				
	52 - 53		246.28	247.68				25.2														
-L- 34+20	53	248.49																				
-L- 34+41 RT.	54 - 55		241.80	247.23												28.8						
-L- 34+68 RT.	55	248.73																				
-L- 35+20 LT.	55A																					
-Y9- 13+24 RT.																						
-L- 35+80 LT.																						
-Y9- 12+85 LT.																						
-Y9- 12+36																						
-Y9- 11+92 LT.																						
-L- 36+47 RT.	56	251.24																				
	56 - 57		250.42	250.03				33.6														
-Y9- 11+60 RT.	56A							8.4														
-L- 36+80 RT.	57	251.83																				
-L- 36+81 RT.	57 - 58		250.23	248.50				21.6														
-Y9- 11+30 LT.																						
-L- 37+20	59								67.2													
-L- 39+50 RT.	59A																					
SHEET TOTALS								200.4	174.0	57.6			• 181.2		64.8	28.8						

STATION LOCATION	375 mm SIDE DRAIN PIPE	450 mm SIDE DRAIN PIPE	600 mm 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)	METERS 1.50 THRU 3.00 A	3.00 AND ABOVE B	FOR DRAINAGE TOTAL M FOR PAY QUANTITY SHALL BE COL. A + (3 X COL. B)	C.B. STD. 840.01 OR 840.02	FRAME, GRATES & HOOD STANDARD 840.03 TYPE GRATE E	F	G	D.I. STD.840.14 OR STD.840.15	D.I. GRATES & FRAMES STD.840.16	M.D.I. TYPE "A" STD. 840.17 OR 840.26	M.D.I. TYPE "B" STD. 840.18 OR 840.27	M.D.I. TYPE "D" STD. 840.19 OR 840.28	M.D.I. GRATES & FRAMES STD.840.22	BERM DRAIN OUTLET STD. 850.10	J.B. STD.840.31 OR STD. 840.32	CONVERT D.I. TO J.B. (SEE SHEET 2-H)	M.H. FRAME & COVER STD.840.54	CORR. STEEL ELBOW NO. & SIZE	CONC. COLLARS, CL. "B" m^3 STD.840.72	CONC. & BRICK PIPE PLUG m^3 STD.840.71	PIPE REMOVAL (meters)	REMARKS
-Y- 10+33																											OPEN ENDED 600 PIPE
-Y1- 11+10 RT.	8.4																								7.7		375 PIPE REMOVE EXISTING 375 mm CONC. PIPE
-Y1- 10+95 RT.	8.4																								8.3		375 PIPE REMOVE EXISTING 300 mm PVC PIPE
-Y- 12+40																									12.9		OPEN ENDED 450 PIPE REMOVE EXISTING 450 mm DIP & HW's
-Y- 11+80 LT.	7.2																								10.4		375 PIPE REMOVE EXISTING 375 mm PIPE
-Y- 11+20 LT.	7.2																										375 PIPE
-L- 29+90				4.6																							1200 CLASS IV PIPE W/METHOD 'B' INSTALLATION & HEADWALL
-L- 30+00 RT.						1										1		1									2GI
-L- 30+00																											OPEN ENDED 375 PIPE
-L- 30+19 LT.																											OPEN ENDED 600 PIPE
-L- 30+38 LT.						1									1			1									2GI
																											450 PIPE
-L- 31+19 LT.						1										1		1									2GI
																											375 PIPE
-L- 31+20						1										1		1									2GI
																											375 PIPE
-L- 31+22 RT.						1										1		1									2GI
-L- 31+40 LT.	8.4																										375 PIPE
-L- 33+03 LT.	8.4																										375 PIPE
-L- 33+20						1										1		1									2GI
																											375 PIPE
-L- 33+20 LT.						1										1		1									2GI
																						2 - 400					400 CSP W/ELBOWS
-L- 33+20 LT.						1										1		1									2GI
-L- 33+40 LT.																											OPEN ENDED 400 CSP
-L- 33+81				4.6																							OPEN ENDED 1200 CLASS IV PIPE W/METHOD 'B' INSTALLATION & HEADWALL
-L- 33+70 LT.																											OPEN ENDED 400 CSP
-L- 34+00 LT.						1										1		1									2GI
																											375 PIPE
-L- 34+20 LT.						1	.20									1		1									2GI
																											375 PIPE
-L- 34+20						1										1		1									2GI
-L- 34+41 RT.																											OPEN ENDED 450 CSP
-L- 34+68 RT.						1										1		1									2GI
-L- 35+20 LT.	8.4																										375 PIPE
-Y9- 13+24 RT.																									8.4		REMOVE EXISTING 300 mm CONC. PIPE
-L- 35+80 LT.																									9.1		REMOVE EXISTING 300 mm CONC. PIPE
-Y9- 12+85 LT.																									8.6		REMOVE EXISTING 300 mm CONC. PIPE
-Y9- 12+36																									14.3		REMOVE EXISTING 375 mm CONC. PIPE
-Y9- 11+92 LT.																									14.1		REMOVE EXISTING 300 mm CONC. PIPE
-L- 36+47 RT.						1										1		1									2GI
																											375 PIPE
-Y9- 11+60 RT.																											375 PIPE
-L- 36+80 RT.						1	.1									1		1									2GI
-L- 36+81 RT.																											OPEN ENDED 375 PIPE
-Y9- 11+30 LT.																									4.9		REMOVE EXISTING 300 mm CONC. PIPE
-L- 37+20																											OPEN ENDED 450 PIPE
-L- 39+50 RT.	8.4																										375 PIPE
SHEET TOTALS	64.8			9.2		14	0.3							1	13		14					2 - 400			98.7		

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 JUNCTION BOX

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