COMPUTED BY: JD DATE: 5/6/2004
CHECKED BY: JSD DATE: 5/6/2004

MICHAELG

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT NO.	SHEET NO.
U-2408	3I

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200mm & 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	1000 / 2.01	1000	1200 / 2.01	1200
-L- 47+88.5	LT	163		253.82	252.90																							
		163	164		252.90	252.84			19.2																			
-L- 47+88.5	RT	164		253.82	252.84																							
		164	165		252.84	249.12			102.0																			
-L- 48+90	RT	165		250.04	249.12																							
		165	167		249.12	247.14			40.8																			
-L- 49+30.5	LT	166		248.12	247.20																							
		166	167		247.20	247.14			19.2																			
-L- 49+30.5	RT	167		248.07	247.14																							
		167	169		247.14	244.17			57.6																			
-L- 49+87.5	LT	168		245.50	244.58																							
		168	169		244.58	244.17			26.4																			
-L- 49+87.5	RT	169		245.09	243.95																							
		169	171		243.95	241.55					52.8																	
-L- 50+34.5	LT	170		243.00	242.31																							
		170	171		242.31	241.55			24.0																			
-L- 50+40	RT	171		242.47	241.55																							
		171	172		241.55	240.13					32.4																	
-L- 50+73	RT	172		241.27	240.13																							
		172	173		240.13	238.79					67.2																	
-L- 51+40	RT	173		239.94	238.64																							
		173	178		238.64	238.52						27.6																
-L- 51+67.5	RT	178		239.82																								
		178	OUT		238.52	237.50						27.6																
-L- 52+00	RT	180		239.99	239.07																							
		180	179		239.07	238.95			15.6																			
-L- 51+85	RT	179		239.87	238.95																							
		179	178		238.95	238.89			18.0																			
-L- 52+48	LT	185		241.25	240.26																							
		185	184		240.26	240.23				10.8																		
-L- 52+38	LT	184		241.25	240.23																							
		184	181		240.23	238.47				39.6																		
-L- 52+00	LT	181		240.10	238.47																							
		181	OUT		238.47	237.50				34.8																		
-L- 51+51.5	LT	182	OUT	237.70	235.60	232.00															36.0							
-Y26- 10+26	LT	183	OUT	241.66	240.82	237.50			21.6																			
SHEET SUBTOTAL									344.4	85.2	152.4	55.2							0.0		36.0							

STATION	STRUCTURE NO. FROM	STRUCTURE NO. TO	375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	600mm SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD 638.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. METERS R.C.P.	C.S.P.	QUANITIES FOR DRAINAGE STRUCTURES PER EACH (0 THRU 1.50)	*TOTAL L.M. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') METERS A 1.5 THRU 3.00	B 3.00 AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATE 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. FRAME WITH GRATE STD. 840.20	M.D.I. FRAME WITH TWO GRATES STD. 840.22	M.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	O.T.C.B. STD. 840.04 OR STD. 840.05	T.B.J.B. STD. 840.34	MANHOLE STD. 840.51	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND COVER STD. 840.54	T.B.D.I. STD. 840.35 OR STD. 840.36	STEEL FRAME WITH TWO GRATES, STD. 840.37	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" M^3 STD. 840.72	CONC. & BRICK PIPE PLUG, M^3 STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
-L- 47+88.5	163							1			1			1																						C.B.
	163	164																																		
-L- 47+88.5	164							1			1		1																							C.B.
	164	165																																		
-L- 48+90	165							1			1		1																							C.B.
	165	167																																		
-L- 49+30.5	166							1			1			1																						C.B.
	166	167																																		
-L- 49+30.5	167							1			1		1																							C.B.
	167	169																																		
-L- 49+87.5	168							1																	1											O.T.C.B. - OPEN TO 4 SIDES
	168	169																																		
-L- 49+87.5	169							1			1		1																							C.B.
	169	171																																		
-L- 50+34.5	170							1							1	1																				D.I.
	170	171																																		
-L- 50+40	171							1			1		1																							C.B
	171	172																																		
-L- 50+73	172							1			1		1																							C.B.
	172	173																																		
-L- 51+40	173							1			1		1																							C.B.
	173	178																																		
-L- 51+67.5	178							1			1	1																								C.B.
	178	OUT																																		
-L- 52+00	180							1			1			1																						C.B.
	180	179																																		
-L- 51+85	179							1			1			1																						C.B.
	179	178																																		
-L- 52+48	185							1																	1											O.T.C.B. - OPEN TO 4 SIDES
	185	184																																		
-L- 52+38	184							1																	1											O.T.C.B. - OPEN TO 4 SIDES
	184	181																																		
-L- 52+00	181							1	0.1																1											O.T.C.B. - OPEN TO 3 SIDES
	181	OUT																																		
-L- 51+51.5	182	OUT						1	0.6																											
-Y26- 10+26	183	OUT						1										1				1														2 G.I.
SHEET SUBTOTAL								19	0.7		12	1	7	4	1	1		1				1			4	0		0					0	0	0	

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