COMPUTED BY: W.T. BEST	DATE: 03-03-2004
CHECKED BY: W.A. SMITH	DATE: 03-22-2004

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2813C	3-G

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)	800 (2.01)	900 (2.01)	1000 (2.77)	1200 (2.77)
63+33.509 -L-	RT.	156		675.25																			
		156	154		674.33	672.66			32.913														
63+35.629 -L-	RT.	157		675.70																			
		157	156		674.63	674.33			8.533														
63+68.663 -L-	RT.	158		676.48																			
		158	156		675.30	674.33			35.351														
63+68.908 -L-	RT.	159		677.50																			
		159	158		676.81	675.57			8.533														
64+01.990 -L-	RT.	160		676.83																			
		160	158		675.60	675.30			32.913														
64+00.105 -L-	RT.	161		677.20																			
		161	160		676.51	675.91			8.533														
64+25.249 -L-	RT.	162		676.89																			
		162	160		675.70	675.60			21.942														
64+26.962 -L-	RT.	163		676.80																			
		163	162		675.73	675.70			6.095														
62+40.003 -L-	LT.	164		672.07																			
63+40.000 -L-	LT.	165		674.71																			
		165	164		673.79	671.16			93.863														
63+60.000 -L-	LT.	166		675.60																			
		166	165		674.68	673.79			24.380														
64+27.919 -L-	LT.	167		676.27																			
62+60.479 -L-	LT.	167	166		675.35	674.68			65.826														
64+28.202 -L-	LT.	168		676.40																			
		168	167		675.71	675.35			7.314														
		149	164		669.20	669.00	X					21.942											
		164	169		669.00	665.34														23.161			
62+60.093 -L-	℄	170																					
63+38.820 -L-	RT.																						
63+76.919 -L-	RT.																						
13+19.999 -Y9-	RT.	171		678.75																			
13+05.421 -Y9-	LT.	172		678.60																			
12+98.531 -Y9-	LT.	173		678.50																			
		172	173		677.68	677.50	X		7.314														
12+99.915 -Y9-	LT.	174	173	678.51	677.90	677.59			3.657														
12+91.726 -Y9-	LT.	175		678.41																			
		173	175		677.36	677.27					7.314												
12+49.148 -Y9-	LT.	176		677.73																			
		175	176		676.50	676.10	X					42.665											
12+19.101 -Y9-	LT.	177																					
11+95.047 -Y9-	LT.	178		676.41																			
		176	178		675.33	674.85	X					53.636											
12+95.952 -Y9-	LT.																						
12+70.561 -Y9-	LT.																						
11+88.799 -Y9-	LT.	179																					
11+85.173 -Y9-	LT.	179																					
11+59.969 -Y9-	LT.	179																					
10+10.077 -Y10-	RT.	180		676.15																			
		178	180		674.85	674.50						13.409											
SHEET TOTAL									357.167		7.314	131.652								23.161			

STATION	FROM	TO	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. 840.04 OR 840.05	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 & GRATE STD. 840.16	DRIVEWAY D.I. STD. 840.30	DRIVEWAY D.I. FRAME AND GRATE (meters)	CONCRETE APRON FOR C.B. STD. 852.05	FLOWABLE FILL (CUBIC METERS)	CONV. EXIST. D.I. TO J.B.	T.B.J.B. STD. 840.34	J.B. STD. 840.31 OR 840.32	M.H. FRAME & COVER STD. 840.54	SLOTTED DRAIN 300mm DIA PIPE (SEE DETAIL SHT 2-S)	1200mm WELDED STEEL PIPE	900mm HIGH DENSITY POLYETHYLENE PIPE	900mm HIGH DENSITY POLYETHYLENE PIPE ELBOWS NO. & SIZE	450 X 450 X 375mm CONC. TEE	375 X 375 X 375mm CONC. TEE	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
63+33.509 -L-	156							1			1			1																					
	156	154																																	
63+35.629 -L-	157							1									1	6.181																	
	157	156																																	
63+68.663 -L-	158							1			1			1																					
	158	156																																	
63+68.908 -L-	159							1							1	1																			
	159	158																																	
64+01.990 -L-	160							1			1			1																					
	160	158																																	
64+00.105 -L-	161							1							1	1																			
	161	160																																	
64+25.249 -L-	162							1			1			1																					
	162	160																																	
64+26.962 -L-	163							1									1	9.774																	
	163	162																																	
62+40.003 -L-	164							1	1.500	0.070	1		1																						
63+40.000 -L-	165							1			1		1																						
	165	164																																	
63+60.000 -L-	166							1			1		1																						
	166	165																																	
64+27.919 -L-	167							1			1		1																						
62+60.479 -L-	167	166																																	
64+28.202 -L-	168							1							1	1																			
	168	167																																	
	149	164																																	
	164	169																													2@800				OUTLET PIPE TO PREFORMED SCOUR HOLE
62+60.093 -L-	170																																0.100		QUANTITY FOR BOTH ENDS 450mm CONC
63+38.820 -L-																																		11.616	400mm CMP
63+76.919 -L-																																		7.792	400mm CMP
13+19.999 -Y9-	171							1			1			1																					
13+05.421 -Y9-	172							1			1		1																						
12+98.531 -Y9-	173							1			1		1																						
	172	173																																	
12+99.915 -Y9-	174	173																																	TIE FROM EX. CB TO PROP. CB
12+91.726 -Y9-	175							1	0.410		1		1																						
	173	175																																	
12+49.148 -Y9-	176							1	0.900		1		1																						
	175	176																																	
12+19.101 -Y9-	177																																0.050		REMOVE PARTIAL 450mm CONC, THEN PLUG ONE END
11+95.047 -Y9-	178							1	0.060		1		1																						
	176	178																																	
12+95.952 -Y9-																																		7.731	375mm CONC
12+70.561 -Y9-																																			REMOVE EX. 450mm CONC. NO QUANTITY
11+88.799 -Y9-	179																																0.050		REMOVE PARTIAL 450mm CONC, THEN PLUG ONE END
11+85.173 -Y9-	179																																0.100		QUANTITY FOR BOTH ENDS OF PIPE
11+59.969 -Y9-	179																																0.050		REMOVE PARTIAL 450mm CONC, THEN PLUG ONE END
10+10.077 -Y10-	180							1	0.300													1		1											
	178	180																																	
SHEET TOTAL								20	3.170	0.070	14		9	5	3	3	2	15.955				1		1							2@800		0.350	27.139	

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

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