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-C

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	400	450	600		800	900		1000	1200	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 PIPE TOTAL 'M' FOR PAY QUANTITY (SEE 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 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
10+24.002 –Y4–	LT.	51		673.50																							1			1			1																		
		50	51		673.38	672.58			20.723																																										
10+40.457 –Y4–	LT.	51	52		672.58	672.06			15.847																																									OUTLET PIPE, CL. 'B' RIP RAP REQ'D
10+59.513 –Y4–	℄	53							17.066																																								CROSS PIPE REMOVE EX. 300mm CMP
48+93.514 –L–	RT.	54		674.59																							1							1	1														
48+92.106 –L–	RT.	55		674.31																							1			1			1																
		54	55		673.90	673.39			4.876																																									
49+10.095 –L–	RT.	56																																															
		55	56		673.39	673.30			17.066																																									
49+10.095 –L–	RT.	57		674.58																							1							1	1														
		57	56			673.30			4.876																																									
49+09.438 –L–	LT.																																															10.343	375mm CMP
49+42.556 –L–	RT.	58		673.68																							1			1			1																
		56	58		673.30	672.76			31.694																																									
49+42.556 –L–	RT.	59		673.83																							1							1	1														
		59	58		673.14	672.76			3.657																																									
49+58.477 –L–	RT.	60																																															1
		58	60		672.76	672.68	X		15.847																																								
49+58.477 –L–	RT.	61		673.45																							1							1	1														
		61	60		672.76	672.68			4.876																																									
49+85.506 –L–	RT.	62		672.74																							1			1			1																
		60	62		672.68	671.82			26.818																																									
49+85.506 –L–	LT.	63		672.85																							1			1				1														
		63	62		671.93	671.82			19.504																																									
50+20.039 –L–	RT.	64		672.33																							1			1			1																
		62	64		671.82	671.41			35.351																																									
50+26.795 –L–	RT.	65		672.32																							1			1	1																	
		64	65		671.41	671.28			7.314																																									
50+39.974 –L–	RT.	66		672.36																							1			1			1																
		65	66		671.17	671.10	X				12.190																																							
50+79.962 –L–	RT.	67		672.75																							1	0.350		1			1																
		66	67		671.10	670.90	X				39.008																																						
51+23.829 –L–	RT.	68		673.94																							1	1.500	0.260	1			1																
		67	68		670.90	670.68	X				42.665																																						
51+13.505 –L–	LT.	69		673.88																							1							1	1														
		69	68		672.38	671.40			31.694																																									
50+86.001 –L–	LT.	70		673.24																							1							1	1														
		70	69		672.55	672.38			28.037																																									
51+87.267 –L–	RT.	71		674.47																							1	1.500	1.170	1			1																
		68	71		670.68	670.30	X				59.731																																						
51+92.663 –L–	LT.	72		674.50																							1							1	1														
		72	71		673.74	673.48	X			30.475																																							
51+84.953 –L–	LT.																																															16.720	450mm CMP
52+53.973 –L–	RT.	73		674.87																							1	1.500	1.900	1			1																
		71	73		670.30	669.97	X					62.169																																				
10+25.008 –Y7–	RT.	74		674.14																							1	0.250		1			1																
		74	73		672.39	672.18			21.942																																								
10+40.200 –Y7–	RT.	75		673.28																							1							1	1														
		75	74		672.59	672.50			14.628																																								
SHEET TOTAL									321.816	30.475	153.594	62.169															21	5.100	3.330	13	1	6	6	8	8				2						27.063	

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

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