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

LPA20664

PROJECT NO.	SHEET NO.
U-2408	3J

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

STATION / SIZE	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 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
THICKNESS OR GAUGE																1.63	1.63	1.63	1.63	2.01	2.01	2.01	2.01																																		
-Y28- 10+42.5	LT	188		242.67	241.83																								1										1				1														2 G.I.
		188	187		241.83	240.75			14.4																																																
-Y28- 10+54	RT	186		241.50	240.81																								1							1	1																				D.I.
		186	187		240.81	240.75			18.0																																																
-Y28- 10+57	LT	187		242.20	240.75																								1			1			1																						C.B.
		187	189		240.75	240.48			31.2																																																
-L- 53+30	RT	189		241.40	240.48																								1			1		1																							C.B.
		189	190		240.48	239.76			60.0																																																
-L- 53+90	RT	190		240.68	239.76																								1			1		1																							C.B.
		190	191		239.76	239.04			50.4																																																
-L- 54+40	RT	191		240.03	239.04																								1			1		1																							C.B.
		191	192		239.04	238.98				19.2																																													
-L- 54+40	LT	192		240.03	238.98																								1			1			1																						C.B.
		192	193		238.98	238.20				7.2																																													
-L- 54+90	LT	196		239.51	238.59																								1			1			1																						C.B.
		196	197		238.59	238.40			12.0																																																
-L- 56+26.5	RT	208		239.87	238.95																								1			1		1																							C.B.
		208	207		238.95	238.89			19.2																																																
-L- 56+26.5	LT	207		239.87	238.89																								1			1			1																						C.B.
		207	206		238.89	238.73			51.6																																																
-L- 55+75.5	LT	206		240.10	238.73																								1			1		1																							C.B.
		206	203		238.73	238.60			31.2																																																
-Y29- 10+97	LT	205		239.85	239.06																								1							1	1																				D.I.
		205	204		239.06	239.01			15.6																																																
-Y29- 10+97	RT	204		239.85	239.01																								1							1	1																				D.I.
		204	203		239.01	238.60			25.2																																																
-L- 55+45	LT	203		239.87	238.53																								1																		1		1								T.B.J.B. W/ M.H.
		203	202		238.53	238.50				10.8																																													
-L- 55+35	LT	202		239.68	238.50																								1			1		1																							C.B.
		202	201		238.50	238.38				25.2																																													
-L- 55+10.5	LT	201		239.51	238.38																								1			1		1																							C.B.
		201	197		238.38	238.33				9.6																																													
-L- 55+01	LT	197		239.49	238.18																								1			1	1																								C.B.
		197	198		238.18	238.12					19.2																																												
-L- 55+10	RT	199		239.51	238.59																								1			1			1																						C.B.
		199	198		238.59	238.34			9.6																																																
-L- 55+01	RT	198		239.49	238.12																								1			1	1																								C.B.
		198	200		238.12	236.30													10.8																																		2-600				
-L- 54+72	CL																																																						0.68		PLUG BOTH ENDS OF 1200MM CMP
SHEET SUBTOTAL									338.4	72.0	19.2	0.0							10.8	0.0									19	0.0		14	2	7	5	3	3		1				1			0	1		1				2-600	0.0	0.68	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