COMPUTED BY: JD DATE: 5/6/2004

CHECKED BY: JSD DATE: 5/6/2004

LPA20664

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT NO. U-2408 | SHEET NO. 3K

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200mm & 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
THICKNESS OR GAUGE																1.63	1.63	1.63	1.63	2.01	2.01	2.01	2.01
-Y2A- 10+20	RT	210																					
-Y2A- 10+40	RT	209																					
-Y2B- 10+90.5	CL	211A		260.40	259.56																		
		211A	211		259.56	258.71			14.4														
-Y2B- 10+84.5	LT	211		259.40	258.71																		
		211	212		258.71	258.50			12.0														
-Y2B- 10+73.5	LT	212			258.50																		
-Y2B- 10+20	RT	213																					
-Y17- 11+77.5	LT	216		253.68	252.76																		
		216	214		252.76	252.70			18.0														
-Y17- 11+60	LT	214		254.14	252.70																		
		214	215		252.70	252.40			12.0														
-Y17- 11+60	RT	215		254.15	252.40																		
		215	215A		252.40	251.66			80.4														
-Y17- 12+39.5	RT	215A		252.35	251.66																		
		215A	215B		251.66	251.62			12.0														
-Y17- 12+50.5	RT	215B			251.62																		
SHEET SUBTOTAL									148.8														
TOTAL									3334.8	651.6	823.2	259.2	8.4				33.6		10.8	36.0			
SAY																							

STATION	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
-Y2A- 10+20	8.4																													
-Y2A- 10+40	15.6																													
-Y2B- 10+90.5						1																							1	1
-Y2B- 10+84.5						1			1	1																				
-Y2B- 10+20	14.4																													
-Y17- 11+77.5						1			1			1																		
-Y17- 11+60 (LT)						1			1			1																		
-Y17- 11+60 (RT)						1			1		1																			
-Y17- 12+39.5						1							1	1																
SHEET SUBTOTAL	38.4					6			4	1	1	2	1	1															1	1
TOTAL	45.6		0.0			190	20		139	22	56	61	26	26		5	1			6		3	8	5		1	7	2	2

STATION	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
-Y2B- 10+90.5					T.B.D.I.
-Y2B- 10+84.5					C.B.
-Y17- 11+77.5					C.B.
-Y17- 11+60 (LT)					C.B.
-Y17- 11+60 (RT)					C.B.
-Y17- 12+39.5					D.I.
TOTAL	4-400	1.39	0.78	0	
	2-600				
SAY					
		1.5	1.0		

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