COMPUTED BY:	FMY	DATE:	7/12/04
CHECKED BY:	PWR	DATE:	7/26/04

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2568B	3-C

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

STATION LOCATION	STRUCTURE NO. (FROM - 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)	375 mm SIDE DRAIN PIPE	450 mm SIDE DRAIN PIPE	600 mm SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. METERS R.C.P.	C.S.P.	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	METERS A 1.50 THRU 3.00	B 3.00 AND ABOVE	C.B. STD. 840.01 OR 840.02	FRAME, GRATES & HOOD STANDARD 840.03 TYPE GRATE E	F	G	D.I. STD.840.14 OR STD.840.15	D.I. GRATES & FRAMES 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. GRATES & FRAMES STD.840.22	BERM DRAIN OUTLET STD. 850.10	J.B. STD.840.31 OR STD. 840.32	CONVERT D.I. TO J.B. (SEE SHEET 2-H)	M.H. FRAME & COVER STD.840.54	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
-L- 40+00	60								52.8																																							OPEN ENDED 600 PIPE
-L- 40+10 LT.	61																					9.6																										375 PIPE
-L- 40+20	62	248.93																									1										1		1									2GI
-L- 40+20 RT.	62 - 63		248.12	245.00			28.8																																									OPEN ENDED 375 PIPE
-L- 41+12 LT.	64																					14.4																										375 PIPE
-L- 41+60	65	244.71																									1										1		1									2GI
	65 - 66		243.90	242.59			28.8																																									375 PIPE
-L- 41+61 LT.	66	243.40																									1										1		1									2GI
-L- 41+99 LT.	66 - 67		242.59	238.70			39.6																																									OPEN ENDED 375 PIPE
-L- 42+20 RT.	68																					8.4																										375 PIPE
-L- 43+00	69	238.26																									1	.86									1		1									2GI
-L- 43+00 RT.	69 - 70		235.90	233.25			28.8																																									OPEN ENDED 375 PIPE
	72 - 73		229.00	230.30							8.4														2.6																							900 PIPE W/HEADWALL
-L- 44+02 LT.	74	237.10																									1										1		1									2GI
-L- 44+04 LT.	74 - 75														13.2																													1 - 400				OPEN ENDED 400 CSP W/ELBOW
-L- 45+34 LT.	77	231.84																									1										1		1									2GI
	77 - 78		231.03	230.07			21.6																																									375 PIPE
-L- 45+35 RT.	78	230.88																									1										1		1									2GI
-L- 45+71 RT.	78 - 79		230.07	227.00			38.4																																									OPEN ENDED 375 PIPE
-L- 45+50 LT.	80																					9.6																										375 PIPE
-L- 45+61 LT.	80A	230.60																									1										1		1									2GI
	80A - 81		229.79	229.27			43.2																																									375 PIPE
-L- 46+04 LT.	81	230.08																									1										1		1									2GI
-L- 46+21 LT.	81 - 82		229.27	228.50			16.8																																									OPEN ENDED 375 PIPE
-L- 46+23 LT.																																															4.7	REMOVE EXISTING 450 mm CONC. PIPE
-L- 46+40	83	230.40																									1										1		1									3GI
-L- 46+40 LT.	83 - 84		229.59	227.38			30.0																																									OPEN ENDED 375 PIPE
-L- 46+70 LT.	85		226.00	223.00														30.0																														OPEN ENDED 800 CSP TIE TO CULVERT
-L- 46+80 LT.	86																							8.4																								600 PIPE
-L- 46+92 LT.	87 - 88														19.2																																	OPEN ENDED 400 CSP
-L- 46+92 LT.	88	231.13																									1										1		1									2GI
	88 - 89		230.32	230.59			10.8																																									375 PIPE
-L- 47+04 LT.	89	231.40																									1										1		1									2GI
-L- 47+99 RT.	89A	233.30																									1										1		1									2GI
-L- 47+99 RT.	89A - 89B		232.49	230.60											8.4																													2 - 400				OPEN ENDED 400 CSP W/ELBOWS
-L- 48+77 LT.	90 - 91		228.30	234.67			33.6																																									OPEN ENDED 375 PIPE
-L- 48+80	91	235.48																									1										1		1									2GI
-L- 48+90 RT.	91A	236.30																									1										1		1									2GI
-L- 48+90 RT.	91A - 91B		235.49	230.00											15.6																													2 - 400				OPEN ENDED 400 CSP W/ELBOWS
-L- 48+97	92										▲76.8														2.6																							OPEN ENDED 900 CLASS IV PIPE W/HEADWALL
-L- 50+20	93	238.89																									1										1		1									2GI
-L- 50+20 LT.	93 - 94		238.08	232.56											33.6																																	OPEN ENDED 400 CSP
-L- 50+60 RT.	95	240.15																									1										1		1									2GI
-L- 50+60 RT.	95 - 96		239.34	236.99											7.2																																	OPEN ENDED 400 CSP
-L- 50+82	97									*88.8																																						OPEN ENDED 750 CLASS IV PIPE W/METHOD 'B' INSTALLATION
-L- 51+40 LT.	98 - 100		238.00	239.02			26.4																																									OPEN ENDED 375 PIPE
-L- 51+67 LT.	99 - 100	242.0													8.4																									1				1 - 400				400 CSP W/ELBOW & BDO
-L- 51+66 LT.	100	240.32																									1										1		1									2GI
SHEET TOTALS							346.8		52.8	* 88.8	8.4 ▲76.8				105.6			30.0				42.0		8.4	5.2		18	0.86									18		18	1 @ 400				6 - 400			4.7	

NOTE: * CLASS IV R.C. PIPE WITH METHOD 'B' INSTALLATION
▲ CLASS IV R.C. PIPE
■ WELDED STEEL PIPE

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

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