COMPUTED BY: FMY	DATE: 7/12/04
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

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

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

CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE). NOTE: * CLASS IV R.C. PIPE WITH METHOD 'B' INSTALLATION; ▲ CLASS IV R.C. PIPE; ■ WELDED STEEL PIPE

BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) – THICKNESS OR GAUGE

ENDWALLS: STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) – CU. METERS

QUANTITIES: STRUCTURES – FOR DRAINAGE *TOTAL M FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B')

STATION LOCATION	STRUCTURE NO. FROM - TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	R.C. PIPE 300	R.C. PIPE 375	R.C. PIPE 450	R.C. PIPE 600	R.C. PIPE 750	R.C. PIPE 900	R.C. PIPE 1050	R.C. PIPE 1200	C.S. PIPE 300 (1.63)	C.S. PIPE 400 (1.63)	C.S. PIPE 450 (1.63)	C.S. PIPE 600 (1.63)	C.S. PIPE 800 (2.01)	C.S. PIPE 900 (2.01)	C.S. PIPE 1000 (2.77)	C.S. PIPE 1200 (2.77)	375 mm SIDE DRAIN PIPE	450 mm SIDE DRAIN PIPE	600 mm SIDE DRAIN PIPE	ENDWALLS R.C.P.	ENDWALLS C.S.P.	PER EACH (0 THRU 1.50)	METERS A 1.50 THRU 3.00	METERS 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" m3 STD.840.72	CONC. & BRICK PIPE PLUG m3 STD.840.71	PIPE REMOVAL (meters)	REMARKS
-L- 60+10 LT.	136																					8.4																										375 PIPE
-L- 60+00 RT.	137	217.82																									1										1		1									2GI
-L- 60+27 RT.	137 - 138		216.93	216.00			27.6																																									OPEN ENDED 375 PIPE
-L- 60+78 RT.	140 - 141		213.00	217.40											13.2																													1 - 400				OPEN ENDED 400 CSP W/ELBOW
-L- 60+78 RT.	141	218.40																									1										1		1									2GI
	141 - 142		217.40	217.53			16.8																																									375 PIPE
-L- 60+79	142	218.09																									1										1		1									2GI
-L- 61+03 LT.	143	218.00																									1										1		1									2GI
-L- 61+02 LT.	143 - 144		217.19	213.00											20.4																													1 - 400				OPEN ENDED 400 CSP W/ELBOW
-L- 61+80 LT.	145 - 146		215.50	216.92			30.0																																									OPEN ENDED 375 PIPE
-L- 61+80	146	218.92																									1	0.6									1		1									2GI
-L- 61+80 RT.	146 - 147		216.82	216.96			22.8																																									375 PIPE
-L- 61+80 RT.	147	217.77																									1	.08									1		1									2GI
-L- 61+80 RT.	147 - 148		216.96	219.50											6.0																									1				1 - 400				400 CSP W/ELBOW & BDO
-L- 63+00 RT.	149 - 150		222.00	217.95											8.4																									1				1 - 400				400 CSP W/ELBOW & BDO
-L- 63+00 RT.	150	218.76																									1										1		1									2GI
	150 - 151		217.95	217.70			22.8																																									375 PIPE
-L- 63+00	151	218.51																									1										1		1									2GI
-L- 62+99 LT.	151 - 152		217.70	217.00				30.0																																								OPEN ENDED 450 PIPE
-L- 64+10 LT.	153A																					9.6																										375 PIPE
-L- 64+10 LT.	153B											10.8																																				OPEN ENDED 1050 PIPE
-L- 64+13 LT.																																															8.9	REMOVE EXISTING 900 mm MTL PIPE
-L- 64+31 LT.	154											14.4																																				OPEN ENDED 450 PIPE
-L- 64+21 LT.	155 - 156		215.36	218.22			44.4																																								13.9	375 PIPE REMOVE EXISTING 3x3 BOX CULVERT
-L- 64+40	156	219.72																									1										1		1									2GI
	156 - 157		218.22	218.44			26.4																																									375 PIPE
-L- 64+55 RT.	157	219.25																									1										1		1									2GI
-L- 64+55 RT.	157 - 158	221.00													8.4																									1				1 - 400				400 CSP W/ELBOW & BDO
-L- 64+73 RT.	159																					8.4																										375 PIPE
-L- 65+31	160											78.0													3.4																							OPEN ENDED 1050 PIPE W/HEADWALL
-L- 65+30 LT.																																															17.7	REMOVE EXISTING 450 mm CONC. PIPE
-L- 65+40 LT.	161 - 162	221.00								20.4																																						OPEN ENDED 750 PIPE
-L- 65+60 LT.	162	223.20																									1									1			1									2GI
	162 - 163		222.00	224.40						60.0																																						750 PIPE
-L- 65+93 LT.																																															7.7	REMOVE EXISTING 375 mm CONC. PIPE
-L- 66+20 LT.	163	225.60																									1									1			1									2GI
	163 - 164		224.40	224.95					24.0																																							600 PIPE
-L- 66+21 RT.	164	226.05																									1									1			1									2GI
	164 - 165		224.95	229.14					118.8																																							600 PIPE
-L- 67+40	165	230.74																									1	0.1								1			1									2GI
-L- 67+41 RT.	165 - 166						27.6																																									OPEN ENDED 375 PIPE
	165 - 167		229.14	232.00					76.8																																							600 PIPE
-L- 68+17	167	233.80																									1	0.3								1			1									2GI
	167 - 168		232.00	232.19				22.8																																								450 PIPE
-L- 68+19 LT.	168	235.53																									1	1.5	.34								1		1								2.4	2GI REMOVE PORTION OF EXIST. 450 PIPE
-L- 68+88 LT.																																															17.1	REMOVE EXISTING 450 mm CONC. PIPE
SHEET TOTALS							218.4	52.8	219.6	80.4		103.2			56.4							26.4			3.4		16	2.58	0.44							5	11		16	3 @ 400				5 - 400			67.7	

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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RWDunn AT RD188656