COMPUTED BY: D.M.W. DATE: 9/2004
CHECKED BY: W.C.B. DATE: 12/2004

6/20/00

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO. R-2552C | SHEET NO. 3-B

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)							
SIZE								300	375	450	600	750	900	1050	1200
THICKNESS OR GAUGE															
L2RT 114+71	LT	36	41		77.6	81.08				97.2					
L2RT 115+70	LT	41		81.97	81.08										
L2RT 115+70	LT	41	42		81.08	81.5			27.6						
L2RT 115+70	RT	42		82.31	81.5										
L2LT 115+80	LT	39		82.88	82.07										
L2LT 115+80	LT	39	40		82.07	81.95			25.2						
L2LT 115+80	RT	40		82.99	81.95										
L2LT 115+80	RT	40	41		81.95	81.08			26.4						
Y 10+55	RT	43	44		–	–									
L2LT 117+50	LT	45	46		86.85	88.55									
L2LT 117+50	LT	46		89.36	88.55										
Y 12+10	RT	47	48		–	–			2.4						
L2RT 117+46.5	LT	49	50		86.5	85.9					45.6				
L2LT 118+40	LT	51	52		85.6	90.89									
L2LT 118+40	LT	52		91.7	90.89										
L2LT 118+60	LT	53	54		85.35	84.5							88.8 (CL IV)		
L2LT 119+50	LT	55	56		85.7	91.05									
L2LT 119+50	LT	56		93.84	91.05										
L2LT 119+50	LT	56	57		91.05	91.29			21.6						
L2LT 119+50	RT	57		92.1	91.29										
L2RT 119+30	RT	58	59		83.9	85.3								123.6 (CL IV)	
L2LT 120+80	LT	60			–	–									
L2LT 120+80	LT	60	61		85.86	94.6									
L2LT 120+80	LT	61		95.41	94.6										
Y1 11+17	RT	62	63		87	87.2						21.6			
Y1 11+18	LT	64	65		87.2	–									
L2RT 121+90	LT	66			–	–									
Y1 12+53	RT	67	68		88.8	89				20.4					
L2RT 122+39	LT	69			–	–									
L2LT 123+40	LT	70	71		88.98	94.62									
L2LT 123+40	LT	71		95.43	94.62										
L2LT 125+68	LT	72	73		88.6	92.2									
L2LT 125+68	LT	73		94	92.2										
L2LT 125+68	LT	73	74		92.2	92.41			19.2						
L2LT 125+68	RT	74		93.22	92.41										
L2 126+10	LT	75		91.99	91.18										
L2 126+10	LT	75	76		91.18	90.46			22.8						
L2 126+10	CL	76		91.27	90.46										
L2 126+10	CL	76	77		90.46	90.2			24.0						
L2 126+10	RT	77		91.99	90.2										
L2 126+10	RT	77	78		90.2	90			20.4						
L2 125+88	RT	78		92.32	90										
L2 125+88	RT	78	79		90	86.7									
L2 125+88	RT	79			–	–									
L2 127+28	LT	82		90.35	89.54										
L2 127+28	LT	82	83		89.54	88.83			24.0						
L2 127+28	CL	83		89.64	88.83										
L2 127+28	CL	83	84		88.83	88.59			24.0						
L2 127+28	RT	84		90.36	88.59										
L2 127+28	RT	84	85		88.59	87.6			13.2						
SHEET TOTAL									250.8	117.6	45.6	21.6			

STATION	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE)								C.S. PLAIN PIPE		BITUMINOUS COATED C.S. PIPE TYPE A					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) R.C.P. (CM)	C.S.P. (CM)	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	FOR DRAINAGE *TOTAL M FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') METERS A 1.50 THRU 3.00	B 3.00 AND ABOVE	FRAME, GRATES, AND HOOD STD. 840.03 TYPE OF GRATE E	F	G
SIZE	300	400	450	600	800	900	1000	1200	400	450	400	450	600	800	900											
THICKNESS OR GAUGE	1.63	1.63	1.63	1.63	2.01	2.01	2.01	2.01	1.63	1.63	1.63	1.63	1.63	2.01	2.01											
L2RT 114+71																										
L2RT 115+70																					1					
L2RT 115+70																										
L2RT 115+70																					1					
L2LT 115+80																					1					
L2LT 115+80																										
L2LT 115+80																					1					
L2LT 115+80																										
Y 10+55																6.0										
L2LT 117+50											12.0															
L2LT 117+50																					1					
Y 12+10																										
L2RT 117+46.5																										
L2LT 118+40											15.6															
L2LT 118+40																					1					
L2LT 118+60																			2.6							
L2LT 119+50											19.2															
L2LT 119+50																					1	1.29				
L2LT 119+50																										
L2LT 119+50																					1					
L2RT 119+30																			3.4							
L2LT 120+80																										
L2LT 120+80											22.8															
L2LT 120+80																					1					
Y1 11+17																										
Y1 11+18																	9.6									
L2RT 121+90																										
Y1 12+53																										
L2RT 122+39																										
L2LT 123+40											14.4															
L2LT 123+40																					1					
L2LT 125+68											15.6															
L2LT 125+68																					1	0.3				
L2LT 125+68																										
L2LT 125+68																					1					
L2 126+10																					1					
L2 126+10																										
L2 126+10																					1					
L2 126+10																										
L2 126+10																					1	0.29				
L2 126+10																										
L2 125+88																					1	0.82				
L2 125+88												14.4														
L2 125+88																										
L2 127+28																					1					
L2 127+28																										
L2 127+28																					1					
L2 127+28																										
L2 127+28																					1	0.27				
L2 127+28																										
SHEET TOTAL											99.6	14.4				6.0	9.6		6.0		19	2.97				

STATION	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & GRATE STD. 840.16	B.A.D.I. (SEE SHEET 2-P)	T.B.D.I. STD. 840.36	T.B.D.I. FRAME WITH STEEL GRATE STD. 840.37	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 TWO FLAT GRATES STD. 840.20	M.D.I. FRAME WITH SAG GRATE STD. 840.22	M.D.I. FRAME WITH TWO SAG GRATES STD. 840.22	M.D.I. (N.S.) FRAME WITH SAG GRATE STD. 840.24	M.D.I. (N.S.) FRAME WITH TWO SAG GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	C.B. STD. 840.01 OR 840.02	O.T.C.B. STD. 840.04 OR 840.05	M.H. STD. 840.51, 840.52 OR 840.53	M.H. FRAME AND COVER STD. 840.54	T.B.J.B. STD. 840.34	800 x 800 x 800mm PERF. C.S.P. TEE RISER 2.01mm THICK	CONVERT EXISTING D.I. OR C.B. TO J.B. (SEE SHEET 2-AC)	375mm BORE AND JACK SPIRAL WELDED STEEL (7mm THICK)	450mm BORE AND JACK SPIRAL WELDED STEEL (8mm THICK)	600mm BORE AND JACK SPIRAL WELDED STEEL (13mm THICK)	ADJUST EXISTING 2GI	MODIFIED CONCRETE FLUME (SEE SHEET 2-AA)	PREFORMED SCOUR HOLE (SEE REMARKS)	C.S. ELBOWS NO.	C.S. ELBOWS SIZE	CONC. COLLARS CL. "B" M3 STD. 840.72	CONC. & BRICK PIPE PLUG, M3 STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
L2RT 114+71																																	
L2RT 115+70							1				1																						
L2RT 115+70																																	
L2RT 115+70							1				1																						
L2LT 115+80							1				1																						
L2LT 115+80																																	
L2LT 115+80							1				1																						
L2LT 115+80																																	
Y 10+55																																6	
L2LT 117+50																												2	400			7.2	
L2LT 117+50							1		1																								
Y 12+10																																	
L2RT 117+46.5																																	
L2LT 118+40																												2	400				
L2LT 118+40							1		1																								
L2LT 118+60																																	METHOD "B" INSTALLATION*
L2LT 119+50																												2	400				
L2LT 119+50							1		1																								
L2LT 119+50																																	
L2LT 119+50							1				1																						
L2RT 119+30																																	METHOD "B" INSTALLATION*
L2LT 120+80																											1						(SEE SHEET 8)
L2LT 120+80																												2	400				
L2LT 120+80							1		1																								
Y1 11+17																																10.8	
Y1 11+18																																7.2	
L2RT 121+90																										1							
Y1 12+53																																	
L2RT 122+39																										1							
L2LT 123+40																												2	400				
L2LT 123+40							1		1																								
L2LT 125+68																												2	400				
L2LT 125+68							1		1																								
L2LT 125+68																																	
L2LT 125+68							1				1																						
L2 126+10							1		1																								
L2 126+10																																	
L2 126+10						1					1																						
L2 126+10																																	
L2 126+10							1		1																								
L2 126+10																																	
L2 125+88							1		1																								
L2 125+88																												2	450				
L2 125+88																											1						(SEE SHEET 9)
L2 127+28							1		1																								
L2 127+28																																	
L2 127+28						1					1																						
L2 127+28																																	
L2 127+28							1		1																								
L2 127+28																																	
SHEET TOTAL						2	17		11		8															2	2	12	400			31.2	
																												2	450				

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
O.T.C.B. OPEN THROATED CATCH BASIN

16-MAR-2005 15:45
u:\1275\DESIGN\R2552C_RDY_PSH03A-M (SUM).dgn
bbollman AT WSRAL-YOGI