COMPUTED BY: C.M.W DATE: AUGUST 14, 2004
CHECKED BY: T.A.M. DATE: AUGUST 14, 2004

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.: R-977A | SHEET NO.: 3-L

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

STATION / SIZE / THICKNESS OR GAUGE	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 (1.63)	400 (1.63)	450 (1.63)	600 (1.63)	600 (1.63 UNCOATED)	2.01	800 (2.01)	800	900 (2.01)	900	1000 (2.77)	1000	1200 (2.77)	1200 (3.51)
-LREV- 85+43 RT	358	359		523.21	523.30																							
-LREV- 85+03 LT	362	363		516.80	518.80																							
-LREV- 85+05 LT	364	365		516.90	521.88													36.0										
-LREV- 85+39 LT	365		523.33	521.88																								
-LREV- 85+39 LT	365	366		521.88	522.37					24.0																		
-LREV- 85+39 CL	366		523.82	522.37																								
-LREV- 85+39 CL	366	367		522.37	526.37					130.8																		
-LREV- 86+70 CL	367		529.71	526.37																								
-LREV- 86+70 LT	367	368		526.37	526.52					30.0																		
-LREV- 50+55 LT	369	370		510.37	511.37													12.0										
-Y6REV- 8+35 RT	371	372																										
-Y6REV- 8+80 LT	373	374		495.66	495.39											6.0												
-Y6REV- 8+86 LT	374		496.28	495.39																								
-Y6REV- 8+86 LT	374	375		495.39	495.94										6.0													
-Y6REV- 8+85 LT	375		496.85	495.94																								
-Y6REV- 8+86 LT	374	376		495.39	495.21												37.2											
-Y6REV- 9+81 RT	377	378																										
-Y7REV- 75+91 LT	379	380																										
-Y7REV- 75+98 RT	381	382																										
-Y6REV- 11+09 LT	383																											
-Y6REV- 11+06 RT	384		496.05	495.14																								
-Y6REV- 11+06 RT	384	385		495.14	493.48		42.0																					
-Y6REV- 11+48 RT	385		494.77	493.48																								
-Y6REV- 11+48 RT	385	386		493.48	493.57						24.0																	
-Y6REV- 11+42 LT	386		494.79	493.57																								
-Y6REV- 11+42 LT	386	387		493.57	495.09																10.8							
-Y6REV- 11+48 RT	385	388		493.48	495.10						14.4																	
-Y6REV- 11+53 RT	388		494.32	493.10																								
-Y6REV- 11+53 RT	388	389		493.10	492.88						12.0																	
-Y6REV- 11+54 RT	389		494.28	492.88																								
-Y6REV- 11+54 RT	389	390		492.88	492.78					16.8																		
-Y6REV- 11+55 RT	390		493.58	492.78																								
-Y6REV- 11+73 LT	391	392																										
-Y10- 10+00 LT	397		493.47	491.47																								
-Y10- 10+00 LT	399	400		492.17	491.42									18.0														
-Y6- 13+73 LT	401	402																										
SHEET TOTAL							42.0			201.6	50.4			18.0	6.0	6.0	37.2	48.0			10.8							

STATION	150mm PERFORATED HDPE PIPE	600 BORE AND JACK	375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	600mm SIDE DRAIN PIPE	900mm SIDE DRAIN PIPE	MODIFIED CONCRETE FLUME (SEE SHEET 2-P)	ENDWALLS STD. 838.01 OR 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	375 x 375 x 375 TEE	C.B. STD. 840.01 OR 840.02	FRAME, GRATES, AND HOOD STD. 840.03 TYPE OF GRATE E	F	G	
-LREV- 85+43 RT					15.6													
-LREV- 85+03 LT										1								
-LREV- 85+05 LT																		
-LREV- 85+39 LT										1								
-LREV- 85+39 LT																		
-LREV- 85+39 CL										1								
-LREV- 85+39 CL																		
-LREV- 86+70 CL										1	1.50	0.34						
-LREV- 86+70 LT																		
-LREV- 50+55 LT																		
-Y6REV- 8+35 RT			9.6															
-Y6REV- 8+80 LT																		
-Y6REV- 8+86 LT										1								
-Y6REV- 8+86 LT																		
-Y6REV- 8+85 LT										1								
-Y6REV- 8+86 LT																		
-Y6REV- 9+81 RT			7.2															
-Y7REV- 75+91 LT			9.6															
-Y7REV- 75+98 RT			8.4															
-Y6REV- 11+09 LT																		
-Y6REV- 11+06 RT										1				1		1		
-Y6REV- 11+06 RT																		
-Y6REV- 11+48 RT										1								
-Y6REV- 11+48 RT																		
-Y6REV- 11+42 LT										1								
-Y6REV- 11+42 LT																		
-Y6REV- 11+48 RT																		
-Y6REV- 11+53 RT										1								
-Y6REV- 11+53 RT																		
-Y6REV- 11+54 RT										1								
-Y6REV- 11+54 RT																		
-Y6REV- 11+55 RT																		
-Y6REV- 11+73 LT			8.4															
-Y10- 10+00 LT										1	0.50							
-Y10- 10+00 LT																		
-Y6- 13+73 LT			8.4															
SHEET TOTAL			51.6		15.6					12	2.00	0.34		1		1		

STATION	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & 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 TWO GRATES STD. 840.20	M.D.I. FRAME WITH GRATE STD. 840.22	M.D.I. FRAME WITH TWO GRATES STD. 840.22	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	T.B.J.B. STD. 840.34	M.H. STD. 840.51, 840.52, OR 840.53	M.H. FRAME & COVER STD. 840.54	O.T.C.B. STD. 840.04 OR 840.05	SPRING BOX STD. 840.41	150mm C.S. Pipe, 1.63mm THICK (SPRING BOX)	PERFORATED 150mm C.S. Pipe STUB. 1.63mmTHICK	M.D.I. FRAME WITH TWO GRATES STD. 840.33 (ANGLE VANE)	900 x 900 x 900mm PERF C.S.P. TEE RISER 2.01mm THICK	800 x 800 x 800mm PERF C.S.P. TEE RISER 2.01mm THICK	600 x 600 x 600mm PERF C.S.P. TEE RISER 1.63mm THICK	450 x 450 x 450mm PERF C.S.P. TEE RISER 1.63mm THICK	SLUISE GATE (FOR 600 C.S.P.)	CONC. COLLARS CL. "A" CM STD 840.72	CONC. & BRICK PIPE PLUG C.M. STD. 840.71	ADJUST EXISTING D.I.	PIPE REMOVAL (LINEAR METER)	C.S. ELBOWS NO.	C.S. ELBOWS SIZE	REMARKS
-LREV- 85+43 RT																												13.2			
-LREV- 85+03 LT																1	49.2	2											1	150	
-LREV- 85+05 LT																															
-LREV- 85+39 LT			1					1																							
-LREV- 85+39 LT																															
-LREV- 85+39 CL			1					1																				15.6			
-LREV- 85+39 CL																															
-LREV- 86+70 CL			1					1																							
-LREV- 86+70 LT																															
-LREV- 50+55 LT																						1									PERMANENT
-Y6REV- 8+35 RT																												8.4			
-Y6REV- 8+80 LT																															
-Y6REV- 8+86 LT				1						1																					
-Y6REV- 8+86 LT																															
-Y6REV- 8+85 LT	1	1																													
-Y6REV- 8+86 LT																															
-Y6REV- 9+81 RT																															
-Y7REV- 75+91 LT																												10.8			
-Y7REV- 75+98 RT																															
-Y6REV- 11+09 LT																										0.25					
-Y6REV- 11+06 RT																															
-Y6REV- 11+06 RT																															
-Y6REV- 11+48 RT				1						1																					
-Y6REV- 11+48 RT																															
-Y6REV- 11+42 LT				1						1																					
-Y6REV- 11+42 LT																															
-Y6REV- 11+48 RT																															
-Y6REV- 11+53 RT				1						1																					
-Y6REV- 11+53 RT																															
-Y6REV- 11+54 RT	1	1																													REMOVE AND REPLACE EXISTING D.I.
-Y6REV- 11+54 RT																															
-Y6REV- 11+55 RT																											1				
-Y6REV- 11+73 LT																															
-Y10- 10+00 LT											1			1																	
-Y10- 10+00 LT																															(SEE STRUCTURE NO. 397–398)
-Y6- 13+73 LT																															
SHEET TOTAL	2	2	3	4				3		4	1			1		1	49.2	2				1				0.25	1	48	1@	150	

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

$$$$$$SYSTIME$$$$$$ $$$$$$DGN$$$$$$$$$$$$$$$ $$$$$$USERNAME$$$$$$

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