

COMPUTED BY: RWZ DATE: MARCH 2004  
 CHECKED BY: WCP DATE: APRIL 2004

METRIC PROJECT NO. R-513C SHEET NO. 3-L

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

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

STATION	LOCATION (L.T. RT. OR CL.)	STRUCTURE NO.	TOP ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE)								BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE)								ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE)	QUANTITIES FOR DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B')	FRAME, GRATES, AND HOOD STANDARD 840.03	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD. 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL (METERS)	REMARKS															
						300	375	450	600	750	900	1050	1200	300	400	450	600	800	900	1000	1200									R.C.P.	C.S.P.	PER EACH (0 THRU 1.50)	METERS	TYPE OF GRATE										
SIZE	THICKNESS OR GAUGE	FROM	TO															A	B	F	F	G																						
12+90 -Y4	LT	350																																										
13+16 -Y4DET	CL	351								20.4																																		
13+82 -Y4DET	CL	352					21.6																																					
15+93 -Y4DET	CL	353					12.0																																					
26+30 -Y9	LT	354		41.85	41.78																																							
11+69 -LDET1	CL	355								80.4																																		
11+38 -LDET3	CL	356								63.6																																		
24+16 -Y2	CL	357								44.4																1	1																	
11+68 -Y2RPDET	LT	358																																										
11+35 -RPDET1	RT	359						10.8																																				
22+54 -COAD	CL	360								18																																		
<b>SHEET TOTALS</b>							12.0	21.6	10.8	226.8					10.8			2										2	2															
<b>SHEET TOTAL 3-A</b>							326.4	232.8	193.2	108.0					104.4			8.6	24	1.4									6 @ 400															
										100.8 (CL IV)																																		
<b>SHEET TOTAL 3-B</b>							228.8	356.4	106.8	32.4	64.8	163.2			288.8			18.6	23	1.1	6	2	2	2			16	6	9	1	1	16 @ 400	0.29	33.6										
								129.6 (CL IV)																																				
<b>SHEET TOTAL 3-C</b>							320.4	216.0	255.6	49.2		276.0			186.0			4.6	20	2.4	6	2	2	2		2	7	4	13	1		12 @ 400	1.44											
<b>SHEET TOTAL 3-D</b>							231.6	326.4		129.6		150.0			73.2			6.8	20	2.2						1	1	2	13	3	3	14	1	1	4 @ 400	24.7								
								139.2	69.6 (CL IV)																																			
<b>SHEET TOTAL 3-E</b>							218.4	447.6		62.4	91.2	118.8			36.0			8.6	17																									
								92.4 (CL IV)																																				
<b>SHEET TOTAL 3-F</b>							268.8	286.8		50.4		34.8			70.8			13																										
								166.8 (CL IV)																																				
<b>SHEET TOTAL 3-G</b>							402.0	20.4		4.8	28.8							6.0	7																									
										56.4 (CL IV)																																		
<b>SHEET TOTAL 3-H</b>							513.6	50.4	54.0						27.6				19																									
<b>SHEET TOTAL 3-I</b>							230.4	363.6	138.0	46.8	75.6				27.6			5.2	21	2.7																								
<b>SHEET TOTAL 3-J</b>								30.0		19.2		22.8						3.4																										
<b>SHEET TOTAL 3-K</b>																																												
<b>SHEET TOTAL 3-L</b>							12.0	21.6		10.8					226.8				2																									
<b>PROJECT TOTAL</b>							2750.4	2352.0	447.6	657.6	322.8	661.2	198.0		1021.2			166	9.8				12	4	4	4	1	1	4	117	24	25	105	15	5	1	8	11	3	2	50 @ 400	11.78	0.32	1552.5
								528.0	69.6	56.4		100.8																																

**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