9/16/02

COMPUTED BY: BWJ DATE: 4-16-03
CHECKED BY: SA DATE: 01/14/04

PROJECT REFERENCE NO.: B-3475 | SHEET NO.: 3-A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

STATION / SIZE / THICKNESS OR GAUGE	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) 12"	15"	18"	24"	30"	36"	42"	48"	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHRWISE) 12" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') LIN. *FT. A 5.0' THRU 10.0'	B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & GRATES 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 GRATE STD. 840.22	M.D.I. FRAME WITH TWO GRATES STD. 840.22	M.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	T.B. J.B. W/M.H. STD. 840.52	M.H. FRAME & COVER STD. 840.54	CONC. APRON FOR D.I. STD. 852.06	PIPE CLEAN OUT (EA.)	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 LIN. FT.	REMARKS
-L-																																																						
12+04	LT	1		2094.71																									1			1			1														2					CLEAN OUT EX. CB'S @ -L- STA 10+10 LT & RT
12+04	LT	1	2		2091.71	2091.64			20																																													
12+20	LT	2		2094.74																									1			1			1																			
12+20	LT	2	3		2091.64	2092.35			32																																													
12+44	LT	3		2094.60																									1							1	1											1						
12+20	CL	2	4		2091.64	2089.47			36																																													
12+27	RT	4		2093.62																									1																	1	1							REM. EX. CB
12+27	RT	4	5		2089.22	2089.12				4																																												
12+27	RT	5		2093.17																									1			1		1																				
12+27	RT	5	6a		2089.12	2088.72					60																																									
12+99	RT	6a		2092.47																									1			1	1																					
12+99	CL	6a	10		2088.72	2091.80			60																																													
12+99	RT	6a	6		2088.72	2090.75			4																																													
12+99	RT	6a	11		2088.72	2088.30					56																																									10	
12+99	RT	6		2093.00																									1							1	1											1					80	REM. EX. CB
-Y1-																																																						
11+73	RT	7		2095.55																									1			1		1																				
11+73	RT	7	9		2092.55	2092.07			32																																													
12+02	RT	8		2095.00																									1							1	1											1						
12+02	RT	8	9		2092.75	2092.07			4																																													
12+04	RT	9		2095.07																									1			1	1																					
12+04	CL	9	10		2092.07	2091.80			44																																													
12+09	LT	10		2094.80																									1			1			1																			
-L-																																																						
13+65	RT	11		2092.98																									1			1			1																			
13+65	RT	11	12		2088.30	2085.90					112																																									15	
14+97	LT	13																						8																											1.0126			
15+40	RT	14	15		2088.00	2089.40					72																																										
15+78	RT	15		2093.15																									1			1	1																					REM. EX. CB
15+78	RT	15	16		2089.40	2089.58					28																																								.116		
16+04	RT	16		2093.33																									1			1			1																			
-Y2-																																																						
12+21	RT	17		2093.19																									1			1		1																				
12+21	RT	17	18		2090.19	2090.14			8																																													
12+29	RT	18		2093.18																									1																	1	1							REM. EX. CB
12+30	LT	19		2093.19																									1			1			1																			REM. EX. CB
TOTALS									240	4	328													8						17			12	3	3	6	3	3									2	2	3	2		1.1	0.2	105	

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

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