9/16/02

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

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.
-L-																												
12+04	LT	1		2094.71																								
12+04	LT	1	2		2091.71	2091.64			20																			
12+20	LT	2		2094.74																								
12+20	LT	2	3		2091.64	2092.35			32																			
12+44	LT	3		2094.60																								
12+20	CL	2	4		2091.64	2089.47			36																			
12+27	RT	4		2093.62																								
12+27	RT	4	5		2089.22	2089.12				4																		
12+27	RT	5		2093.17																								
12+27	RT	5	6a		2089.12	2088.72					60																	
12+99	RT	6a		2092.47																								
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																	
12+99	RT	6		2093.00																								
-Y1-																												
11+73	RT	7		2095.55																								
11+73	RT	7	9		2092.55	2092.07			32																			
12+02	RT	8		2095.00																								
12+02	RT	8	9		2092.75	2092.07			4																			
12+04	RT	9		2095.07																								
12+04	CL	9	10		2092.07	2091.80			44																			
12+09	LT	10		2094.80																								
-L-																												
13+65	RT	11		2092.98																								
13+65	RT	11	12		2088.30	2085.90					112																	
14+97	LT	13																					8					
15+40	RT	14	15		2088.00	2089.40					72																	
15+78	RT	15		2093.15																								
15+78	RT	15	16		2089.40	2089.58					28																	
16+04	RT	16		2093.33																								
-Y2-																												
12+21	RT	17		2093.19																								
12+21	RT	17	18		2090.19	2090.14			8																			
12+29	RT	18		2093.18																								
12+30	LT	19		2093.19																								
TOTALS									240	4	328												8					

STATION	LOCATION	FROM	TO	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	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		1			1			1														2					CLEAN OUT EX. CB'S @ -L- STA 10+10 LT & RT
12+04	LT	1	2																										
12+20	LT	2		1			1			1																			
12+20	LT	2	3																										
12+44	LT	3		1							1	1											1						
12+20	CL	2	4																										
12+27	RT	4		1																	1	1							REM. EX. CB
12+27	RT	4	5																										
12+27	RT	5		1			1		1																				
12+27	RT	5	6a																										
12+99	RT	6a		1			1	1																					
12+99	CL	6a	10																										
12+99	RT	6a	6																										
12+99	RT	6a	11																									10	
12+99	RT	6		1							1	1											1					80	REM. EX. CB
-Y1-																													
11+73	RT	7		1			1		1																				
11+73	RT	7	9																										
12+02	RT	8		1							1	1											1						
12+02	RT	8	9																										
12+04	RT	9		1			1	1																					
12+04	CL	9	10																										
12+09	LT	10		1			1			1																			
-L-																													
13+65	RT	11		1			1			1																			
13+65	RT	11	12																									15	
14+97	LT	13																								1.0126			
15+40	RT	14	15																										
15+78	RT	15		1			1	1																					REM. EX. CB
15+78	RT	15	16																								.116		
16+04	RT	16		1			1			1																			
-Y2-																													
12+21	RT	17		1			1		1																				
12+21	RT	17	18																										
12+29	RT	18		1																	1	1							REM. EX. CB
12+30	LT	19		1			1			1																			REM. EX. CB
TOTALS				17			12	3	3	6	3	3									2	2	3	2		1.1	0.2	105	

* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')

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

01-MAR-2004 11:27
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SAshley AT RD212454