9/16/02

COMPUTED BY: JBG DATE: 05-15-03
CHECKED BY: DWG DATE: 11/24/04

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
U-3837	3-C

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.P. 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
-L- 33+06.00	LT.	32		777.05	770.70	768.82																	
-L- 33+06.00	LT.	32	33		770.70	771.76					132												
-L- 34+45.00	LT.	33		775.61	771.76																		
-L- 34+45.00	LT.	33	34		771.76	771.86					8												
-L- 34+56.00	LT.	34		775.61	771.86																		
-L- 34+56.00	LT.	34	35		771.86	773.51					52												
-L- 34+56.00	RT.	35		777.32	773.51																		
-L- 34+45.00	RT.	35	36		773.51	773.61					8												
-L- 34+45.00	RT.	36		777.36	773.61																		
-L- 34+56.00	LT.	34	37		771.86	772.76					140												
-L- 36+02.00	LT.	37		776.51	773.51																		
-L- 36+02.00	LT.	37	38		773.51	775.26			52														
-L- 36+02.00	RT.	38		778.26	775.26																		
-L- 36+02.00	LT.	37	39		773.26	775.38				196													
-L- 38+00.00	LT.	39		779.05	775.48																		
-L- 38+00.00	LT.	39	40		775.48	775.98			88														
-L- 38+00.00	RT.	40		778.98	775.98																		
-L- 38+00.00	LT.	39	41		776.05	777.27			196														
-L- 40+00.00	LT.	41		781.05	777.27																		
-L- 40+00.00	LT.	41	42		777.27	777.95			88														
-L- 40+00.00	RT.	42		780.95	777.95																		
-L- 40+00.00	LT.	41	43		778.00	779.44			216														
-L- 42+19.00	LT.	43		782.94	779.44																		
-L- 42+19.00	LT.	43	44		779.44	780.00			88														
-L- 42+25.00	RT.	44		783.16	780.16																		
-L- 42+25.00	RT.	44	45		780.16	782.63			220														
-L- 44+50.00	RT.	45		785.63	782.63																		
-L- 44+40.00	LT.	46		786.32	783.82																		
-L- 44+40.00	LT.	46	47		783.82	783.63			32														
SHEET TOTAL									980		340												
										196													

STATION	STRUCTURE NO. FROM	TO	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	C.S.P.	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. 840.04 OR STD. 840.05	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 "B" STD. 840.18 OR 840.27	M.D.I. (NS) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	M.H. FRAME & COVER STD. 840.54	PERFORMED SCOUR HOLE	CONC. APRON FOR DROP INLET	30" RCP, CLASS IV	T.B.J.B. STD. 840.34	BIT COAT CS ELBOWS NO. & SIZE	FLOWABLE FILL	CONC. COLLARS CL. "B" C.Y. STD 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN.FT.	REMARKS
-L- 33+06.00	32							1	3.23		1			1																
-L- 33+06.00	32	33																												
-L- 34+45.00	33							1			1	1																		
-L- 34+45.00	33	34																												
-L- 34+56.00	34							1			1	1																	64	REM DI'S & 15" RCP
-L- 34+56.00	34	35																												
-L- 34+56.00	35							1			1	1																	60	
-L- 34+45.00	35	36																												
-L- 34+45.00	36							1			1	1																		
-L- 34+56.00	34	37																												
-L- 36+02.00	37							1			1		1																	
-L- 36+02.00	37	38																												
-L- 36+02.00	38							1			1		1																	
-L- 36+02.00	37	39																												
-L- 38+00.00	39							1			1		1																	
-L- 38+00.00	39	40																												
-L- 38+00.00	40							1			1			1																
-L- 38+00.00	39	41																												
-L- 40+00.00	41							1			1		1																	
-L- 40+00.00	41	42																												
-L- 40+00.00	42							1			1			1																
-L- 40+00.00	41	43																												
-L- 42+19.00	43							1			1		1																	
-L- 42+19.00	43	44																												
-L- 42+25.00	44							1			1			1																
-L- 42+25.00	44	45																												
-L- 44+50.00	45							1			1			1																
-L- 44+40.00	46							1									1	1												
-L- 44+40.00	46	47																											48	REM 2-DI'S & 18" RCP
SHEET TOTAL								15	3.23		14	4	5	5			1	1											172	

* 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

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