COMPUTED BY: A PRIDGEN DATE: 08.22.03
CHECKED BY: DATE:

PROJECT REFERENCE NO. R-2417BB | SHEET NO. 3-G

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

STATION / SIZE	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"	CLASS IV R.C. PIPE (W/METHOD B INSTALLATION) 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	24"	30" (0.079" THICK) .079	30"	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')	* 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
-Y1- 18+51	RT	140																																			
-Y1- 21+44	RT	141																																			
-Y1- 25+79	RT	142																										24								
-Y3- 23+13	LT	143																																			
-Y3- 24+35	CL	144																																			
-Y3- 24+28	LT																																				
-Y3- 25+92	RT																																				
-Y3- 29+95	CL	145																																			
-Y3- 30+33	LT																																				
-Y3- 34+61	LT																																				
-Y3- 35+55	LT																																				
-Y3- 37+79	LT																																				
-Y3- 38+18	RT																																				
-DET- 3+55	RT	146																																			
-DET- 4+06	RT	147																																			
					SHEET TOTAL																								24								
					PROJECT TOTAL				4426	1918	1136	946	172	316			460		488	688	648		1464	68	184		116		148			35.7	4.0 (39.7 SAY=40.0)	89	19.52	2.39 (21.91 SAY=22)	6

STATION	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 & 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. 840.22	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	M.D.I. FRAME WITH TWO GRATES STD. 840.20	6" CS PIPE CULVERT, 0.064" THICK (SPRING BOX)	SPRING BOX STD. 840.41	M.H. FRAME & COVER STD. 840.54	TEMP 15' SIDE DRAIN	TEMP. 15" RCP	36" CLASS V R.C. PIPE (W/METHOD B INSTALLATION)	MODIFIED CONCRETE FLUME	CONCRETE APRON FOR CATCH BASIN	CONCRETE APRON FOR DROP INLETS	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD 840.72	FLOWABLE FILL MATERIAL, CY	PIPE REMOVAL LIN.FT.	REMARKS
-Y1- 18+51																			1							SEE DETAIL SHEET 2-AH
-Y1- 21+44																			1							SEE DETAIL SHEET 2-AH
-Y1- 25+79																									16	
-Y3- 23+13																									20	
-Y3- 24+35																								2.5		FILL W/FLOWABLE FILL
-Y3- 24+28																									20	
-Y3- 25+92																									28	
-Y3- 29+95																								2.5		FILL W/FLOWABLE FILL
-Y3- 30+33																									56	
-Y3- 34+61																									28	
-Y3- 35+55																									20	
-Y3- 37+79																									24	
-Y3- 38+18																									36	
-DET- 3+55																	20									SEE DETAIL SHT 2-H
-DET- 4+06																		44						0.399			SEE DETAIL SHT 2-H
SHEET TOTAL																	20	44		2				0.399	5	248	
PROJECT TOTAL	2	3	1				9	68	4	44	16	1	21	56	1	1	20	44	308	2	6	81	28@15" 4@18" 4@24" 6@30"	1.197 SAY=2	5	692	

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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