6/21/02

COMPUTED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
WBS No. 38224	3 A

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

CAA PIPE CULVERTS

STATION	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"	CAA PIPE CULVERTS ~~BITUMINOUS COATED C.S. PIPE TYPE A~~ (UNLESS NOTED OTHRWISE) 12" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	30" SIDE DRAIN PIPE	42" SIDE DRAIN PIPE	24" SIDE DRAIN CMP PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	CU. YDS. C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	LIN. *FT. A 5.0' THRU 10.0'	LIN. *FT. B 10.0' AND ABOVE	* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. A + (1.3 X COL. B')	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 & GRATE STD. 840.16 (2 grates)	C.B. STD. 840.04 OR 840.05	J.B. STD. 840.31 OR 840.32	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	T.B.D.I. FRAME WITH GRATE STD. 840.36	M.H. FRAME & COVER STD. 840.54	TIE TO EXIST. D.I.	CONV. EXIST. D.I. TO T.B.J.B.	CONC. COLLARS CL. "B" C.Y. STD 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN.FT.	REMARKS
SIZE																																																
THICKNESS OR GAUGE																																															
	LT RT																																														
10+32 Y2	LT											8																																			
10+32 Y2	RT											8																																			
20+83 L	LT										4																																				
41+65 L	LT													64																																	64	
134+23 L	RT										4																																		0.5526			
151+00 L	RT		1								24																																				
151+23 L	RT	1																																1			1									
154+38 L	RT									100																																			86	
156+50 L	LT									88																																			100	
157+52 L	RT									28																																			21	
159+20 L	RT									28																																			24	
159+65 L	LT									32																																			32	
159+98 L	RT									28																																			30	
160+85 L	RT									40																																			41	
162+59 L	LT	2	3							22																								1			1	1					1				
162+80 L	LT	3	--							24																								1								1		1		14	Remove exist CB
169+01 L	LT	4	5							19																								2			1	1				1		1			Remove exist CB
184+99 L	LT	--	6									108																						1					1	1							
186+06 L	LT	6	7									190																						1					1	1							
187+95 L	LT	7	8									179																						1					1	1							
NEW 189+93 L	LT	8	9									20																						1								1		1			
10+94 Y6	LT	--	--									20																						1								1		1			
10+94 Y6	LT	--	--							8																																			0.399			
TOTALS										8	409	32	517		64							16												10			2	2			3	3	2	2	3		5			1			2.816		412	
																																													Say 3			

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