4/04/06

COMPUTED BY:________________ DATE:__________

CHECKED BY:________________ DATE:__________

PROJECT REFERENCE NO.	SHEET NO.
WBS*: 33935.2.FD9	3

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

STATION	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL
-L- STA. 9+90	LT	1	2		1750.15	1749.65	
-L- STA. 8+00	LT	3	4		1747.41	1744.00	
-L- STA. 6+60	LT	5	6		1746.91	1742.00	
-L- STA. 5+15	LT	7	8		1747.76	1740.00	
-L- STA. 3+80	LT	9	10		1747.76	1740.00	

CLASS IV R.C. PIPE (UNLESS NOTED OTHERWISE)

STATION	12"	15"	18"	24"	30"	36"	42"	48"
-L- STA. 9+90								
-L- STA. 8+00								
-L- STA. 6+60								
-L- STA. 5+15								
-L- STA. 3+80								

BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE)

STATION	12" (.064)	15" (.064)	18" (.064)	24" (.064)	24"	30" (.079)	30"	36" (.079)	36"	42" (.109)	42"	48" (.109)	48"
-L- STA. 9+90													
-L- STA. 8+00													
-L- STA. 6+60													
-L- STA. 5+15													
-L- STA. 3+80													

CLASS III R.C. PIPE OR ALUMINIZED C.S. PIPE, TYPE IR OR HDPE PIPE, TYPE S OR D

STATION	12"	15"	18"	24"	30"	36"	42"	48"
-L- STA. 9+90			30					
-L- STA. 8+00			30					
-L- STA. 6+60			30					
-L- STA. 5+15			30					
-L- STA. 3+80			30					

STATION	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 * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') 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	
-L- STA. 9+90									1			1	
-L- STA. 8+00									1			1	
-L- STA. 6+60									1	1			
-L- STA. 5+15									1			1	
-L- STA. 3+80									1			1	

STATION		D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & GRATE STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR 840.26	G.D.I. TYPE "B" STD. 840.18 OR 840.27	G.D.I. TYPE "D" STD. 840.19 OR 840.28	G.D.I. FRAME WITH GRATE STD. 840.22	G.D.I. FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	M.H. FRAME & COVER STD. 840.54						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- STA. 9+90																						
-L- STA. 8+00																						
-L- STA. 6+60																						
-L- STA. 5+15																						
-L- STA. 3+80																						

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
G.D.I. (N.S.)	GRATED 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 JUNCTION BOX