COMPUTED BY: LAW	DATE: 10/18/04
CHECKED BY:	DATE:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
36966	7

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

STATION / SIZE	LOCATION (LT,RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	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	SHOP ELONGATED
55+50 -L-	LT				48															
55+50 -L-	RT					24														
55+97 -L-	LT				244	12														
58+32 -L-	LT																			
60+47 -L-	LT				148															
62+00 -L-	LT				236															
64+41 -L-	LT																			
66+42 -L-	LT					40														
66+85 -L-	LT						20													
67+00 -L-	RT																			
67+05 -L-	LT									220										
67+05 -L-	CL										68									
67+05 -L-	RT										72									
69+26 -L-	LT							20	172											
69+47 -L-	LT				6															
71+05 -L-	LT								60											
71+68 -L-	LT							24												
71+90 -L-	LT																			
74+15 -L-	RT																			
TOTAL					682	76	20	44	232	220	140									

STATION	ENDWALLS STD. 838.01 (UNLESS NOTED OTHERWISE) CU. YDS. USING CONC. R.C.P.	C.S.P.	STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YDS. USING BRICK 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	TYPE OF CONSTRUCTION PERMITTED BRICK	BLOCK	CONCRETE	PRECAST	C.B. STD. 840.01 OR STD. 840.02	FRAMES, GRATES AND HOODS 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 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.D.I. STD. 840.35	BIT. COATED C.S. PIPE ELB. TYPE B 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
55+50 -L-					2						2	2	2																			
55+50 -L-					2						2	2	2																			
55+97 -L-																																
58+32 -L-					1						1	1		1																		
60+47 -L-																																
62+00 -L-					1						1	1		1																		
64+41 -L-					1						1	1		1																		
66+42 -L-					1						1	1		1																		
66+85 -L-					1						1	1			1																	
67+00 -L-																																REMOVE EXISTING JB
67+05 -L-					1						1	1		1																		REMOVE EXISTING CB
67+05 -L-																																REMOVE EXISTING 18" RCP
67+05 -L-					1	3					1	1		1																		REMOVE EXISTING CB AND EXISTING 24" RCP
69+26 -L-					1						1	1		1																0.10		REMOVE EXISTING CB & PLUG EXISTING 15" RCP
69+47 -L-					1						1	1		1																		
71+05 -L-					1						1	1		1																		
71+68 -L-					1						1	1		1																		
71+90 -L-					1						1	1		1																		
74+15 -L-															1																	INSTALL FRAME, GRATE & HOOD
TOTAL					16	3						16	4	11	2															0.10		

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

SIDE DRAIN PIPES (FOR PIPES 24" & UNDER)

STATION / SIZE	LOCATION (LT,RT, OR CL)	STRUCTURE NO.	PLAIN CONCRETE PIPE CULVERTS 15"	18"	24"		CORRUGATED STEEL PIPE CULVERTS THICKNESS 0.064 15"	18"	24"	PARALLEL PIPE RC END SECT. NO.	SIZE	PARALLEL PIPE PREFAB. STEEL END SECT. NO.	SIZE	PIPE REMOVAL (LIN. FT.)	REMARKS	STATION / SIZE	LOCATION (LT,RT, OR CL)	STRUCTURE NO.	PLAIN CONCRETE PIPE CULVERTS 15"	18"	24"		CORRUGATED STEEL PIPE CULVERTS THICKNESS 0.064 15"	18"	24"	PARALLEL PIPE RC END SECT. NO.	SIZE	PARALLEL PIPE PREFAB. STEEL END SECT. NO.	SIZE	PIPE REMOVAL (LIN. FT.)	REMARKS	STATION / SIZE	LOCATION (LT,RT, OR CL)	STRUCTURE NO.	PLAIN CONCRETE PIPE CULVERTS 15"	18"	24"		CORRUGATED STEEL PIPE CULVERTS THICKNESS 0.064 15"	18"	24"	PARALLEL PIPE RC END SECT. NO.	SIZE	PARALLEL PIPE PREFAB. STEEL END SECT. NO.	SIZE	PIPE REMOVAL (LIN. FT.)	REMARKS

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