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4/04/06

COMPUTED BY:________________ DATE:________________
CHECKED BY:________________ DATE:________________

PROJECT REFERENCE NO.	SHEET NO.
R-5206	3D-3

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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. PIPE 12"	CLASS III R.C. PIPE 15"	CLASS III R.C. PIPE 18"	CLASS III R.C. PIPE 24"	CLASS III R.C. PIPE 30"	CLASS III R.C. PIPE 36"	CLASS III R.C. PIPE 42"	CLASS III R.C. PIPE 48"	C.S. PIPE 12" .064	C.S. PIPE 15" .064	C.S. PIPE 18" .064	C.S. PIPE 24" .064	C.S. PIPE 30" .079	C.S. PIPE 36" .079	C.S. PIPE 42" .109	C.S. PIPE 48" .109	R.C. PIPE CLASS IV 12"	R.C. PIPE CLASS IV 15"	R.C. PIPE CLASS IV 18"	R.C. PIPE CLASS IV 24"	R.C. PIPE CLASS IV 30"	R.C. PIPE CLASS IV 36"	R.C. PIPE CLASS IV 42"	R.C. PIPE CLASS IV 48"	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.05 or STD. 838.15 (UNLESS NOTED OTHERWISE) CU. YDS.	ENDWALLS CU. YDS. R.C.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'	LIN. *FT. 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			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. (W.S. FLAT) FRAME W/2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	G.D.I. (N.S. SAG) FRAME WITH TWO GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME WITH TWO GRATES STD. 840.29	J.B. STD. 840.31 OR 840.32	M.H. STD. 840.51, 840.52, OR 840.53	CORR. STEEL FLARED END SECTION STD. 310	M.H. FRAME & GRATE STD. 840.54		BERM DITCH OUTLET STD. 850.11 (PER EACH)	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
		0802	0803		2160.1	2157.5																				64																																								
-L- 68+37	LT	0803		2161.3																																	1			1			1																							
-L- 68+55	RT	0803	0804		2157.5	2156.4																				40																																							64	REM EXIST 18" CMP & FIELD TIE EXIST 18" CMP
-L- 20+00	RT	0406A		2212.1																																	1												1						1											
		0406A	0406B		2209.3	2208.8																			48																																									
-L- 20+50	RT	0406B		2214.9																																	1	1.1											1						1											
		0406B	0406C		2208.8	2208.3																			48																																									
-L- 21+00	RT	0406C		2218.2																																	1	4.9											1						1											
		0406C	0406D		2208.3	2207.7																			56																																									
-L- 21+60	RT	0406D		2223.2																																	1	5	5.5										1						1											
		0406D	0408A		2207.7	2203.5											32																																													2-15"				
-L- 28+25	RT	0511		2270.1																																	1												1						1											
		0511	0512		2266.5	2262.8																			40																																									
-L- 29+00	RT	0511A		2277.5																																	1												1						1											
		0511A	0511		2274.8	2266.5																			72																																									
-L- 32+14		0506			2300.4	2299.2																				52																																							68	REMOVE EXISTING 24" CMP & 18" CMP
-L- 37+53		0507			2281.0	2275.7													56																																														60	W/ROD & LUG CONNECTORS W/SLEEVE GASKET REMOVE EXISTING 12" CMP & 15" CMP
		0508			2295.9	2295.7																				56																																								
-DR1- 10+49		0601			2250.8	2245.8												44																																								1-18"									W/ROD & LUG CONNECTORS W/SLEEVE GASKET
-L- 67+47	LT	0801																																																															20	REMOVE EXISTING 12" CMP
-L- 71+21																																																																	32	REMOVE EXISTING 18" CMP
-L- 70+00	CL	0806			2157.4	2156.4																						68																																							32	REMOVE EXISTING 18" CMP
SHEET TOTALS																	32	44	56						264	212		68									7	11	5.5	1			1						6						6			1-18"				2-15"			276	
PROJECT TOTALS																	44	68	144	84					1,300	948	964	112	64			44				7.8	50	28.1	8.8	24		13	11			2	2	4	18					5	17	1	1	1-18"	2			2-15" 2-30"			1,124	
																																						39.54																													

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

$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$
$$$$$$USERNAME$$$$