CACTUSJACK

COMPUTED BY: L. ADAMS DATE: August-04

CHECKED BY: D. WILVER DATE: August-04

PROJECT NO.	SHEET NO.
R-2911C	3D

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 (UNLESS NOTED OTHERWISE) 12"	15"	18"	24"	30"	36"	42"	48"	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 12" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	C.S.P.	QUANITIES 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	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 AND 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. 840.20	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.J.B. STD. 840.34	MANHOLE STD. 840.51	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND 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
L1 58+84.00	RT	111		760.90																									1										1					1										
		111	110		758.15	757.56			64																																													
L1 59+00.00	RT	110		762.85																									1	1.04								1						1										
		110	112		756.81	753.51					124																																											
L1 60+22.00	RT	113		757.21																									1										1					1									28	REMOVE 28' OF 12" RCP
		113	112		754.46	754.26			72																																													
L1 60+22.00	CL	112		760.15																									1	1.64								1						1										
		112	114		753.51	749.02					304																																											
L1 65+13.00	LT	117		750.23																									1	1								1					1	1									84	REMOVE 84' OF 15" RCP
		117	116		744.23	743.91					112																																											
L1 64+27.00	CL	116		752.85																									1	3.94								1						1										
		116	114		743.91	743.6					104																																											
L1 63+25.00	CL	114		753.77																									1	5	0.67							1						1										
		114	115		743.1	729.30														108																														2 - 24"				
L1 65+96.00	RT	118		750.36																									1										1					1										
		118	119		747.61	747.41			68																																													
L1 65+96.00	RT	119		752.86																									1	0.45									1					1									16	REMOVE 16' OF 18" CMP
		119	121		747.41	747.11			104																																													
L1 67+00.00	LT	120		751.23																									1										1					1										
		120	121		748.48	747.11			76																																													
L1 67+00.00	RT	121		753.11																									1	1.25									1					1										
		121	122		746.86	746.18				228																																												
L2 72+00.00	LT	125		754.18																									1										1					1										
		125	126		751.43	750.86			72																																													
L2 72+00.00	RT	127		753.84																									1										1					1										
		127	126		751.09	750.86			76																																													
L2 72+00.00	CL	126		754.21																									1									1						1										
		126	124		749.46	749.03					144																																											
L1 70+56.00	RT	124		754.64																									1	0.61								1						1										
		124	122		749.03	745.68					128																																											
L1 69+28.00	RT	122		753.86																									1	3.18								1						1						2 - 24"				
		122	123		745.68	737.70													88																																			
L1 69+93.00	LT	128	129		737.00	Existing									16												4.9																								1.013			REMOVE HEADWALL
L1 69+85.00	RT	130																											1																	1								
		130	131		Existing	734.00									80																																							
L2 78+00.00	LT	132	133		757.20	752.92													16																															1 - 24"				BDO
L2 78+00.00	LT	133		756.42																									1										1					1								0.893		REMOVE FES & PLUG ENDS OF 18" RCP
		133	134		752.92	752.69					84																																											
L2 77+73.00	CL	134		757.30																									1										1					1										
		134	135		752.69	745.00					88																																											
L2 79+50.00	LT	136		757.59																									1										1					1										
		136	137		754.84	752.00			96																																													
L2 80+00.00	RT	145		758.29																									1										1					1										
		145	146		755.54	754.98			188																																													
L2 88+08.00	LT	150	151		767.70	760.31			72																																													
L2 88+75.00	LT	151		763.06																									1										1					1									56	REMOVE 56' OF 12" RCP
		151	152		760.31	759.25			76																																													
L2 90+50.00	RT	154		763.66																									1										1					1										
		154	153		760.91	760.24	X		152																																													
SHEET TOTAL									1116	228	1088				96				104	108							4.9		23	18.11	0.67							8	14				1	22		1				5 - 24"	1.013	0.893	184	

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 JUNCTION BOX