CACTUSJACK

COMPUTED BY: L. ADAMS DATE: August-04

CHECKED BY: D. WILVER DATE: August-04

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

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

STATION (SIZE)	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"	15"	18"	24"	30"	36"	42"	48"	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	CONVERT DI TO JB W/ MH	ADJUST CB	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
THICKNESS OR GAUGE																.064	.064	.064	.064	.079	.079	.109	.109																																	
L1 8+18.00	LT	2		783.85																									1			1		1																						
		2	1		780.68	778.03			20																																															
L1 8+17.00	LT	1		780.08																																														1						CONVERT EXIST. DI TO JB W/ MH
		1	EX		Existing	Existing																																																		
L1 11+21.00	LT	3		786.05																																															1					ADJUST CB
		3	1		Existing	Existing																																																		
L1 14+25.00	LT	4		790.87																																															1					ADJUST CB
		4	3		Existing	Existing																																																		
L1 17+06.00	LT	5		795.86																																															1					ADJUST CB
		5	4		Existing	Existing																																																		
L1 18+35.00	LT	6		797.83																																															1					ADJUST CB
		6	5		Existing	Existing																																																		
L1 22+95.00	RT	17		806.50																									1										1					1												
		17	16		803.75	803.43			20																																															
L1 22+95.00	RT	16		806.60																									1			1			1																					
		16	15		803.43	799.29			224																																															
L1 20+95.01	RT	18	19		801.20	798.95			100																																															
L1 20+78.00	RT	19		801.20																									1							1	1																			
		19	15		798.70	798.59				40																																													43	REMOVE 43' OF 15" RCP AND JB
L1 20+72.00	RT	15		802.46																									1			1			1																					
		15	14		798.59	794.13				272																																														
L1 18+00.00	RT	14		797.55																									1			1			1																					
		14	12		794.13	789.73				248																																														
L1 15+53.00	RT	13	12		792.00	789.23					20																																											46	REMOVE 46' OF 18" RCP
L1 15+53.00	RT	12		793.15																									1			1			1																					
		12	11		788.73	786.25						156																																												
L1 14+00.00	RT	11		790.67																									1			1			1																					
		11	10		786.25	781.88						280																																												
L1 11+22.00	RT	10		786.30																									1			1			1																					
		10	8		781.88	776.80						372																																												
L1 7+51.00	RT	7	8		777.80	776.8						28																																												
L1 7+51.00	RT	8		783.70																									1	1.9		1			1																					
		8	9		776.80	Existing						20																																									0.76			REMOVE FES
L1 24+42.00	LT	26		807.8																									1							1	1																		60	REMOVE 60' OF 12" RCP
		26	25		805.55	803.38			148																																															
L1 22+95.00	LT	25		805.3																									1											1				1												
		25	24		802.63	802.55					24																																													
L1 22+95.00	LT	24		806.56																									1			1		1																					193	REMOVE 193' OF 15" RCP
		24	23		802.55	798.99					196																																													
L1 21+00.00	LT	23		802.91																									1			1		1																					75	REMOVE 75' OF 18" RCP AND CB
		23	21		798.99	798.13					40																																													
L1 20+70.00	LT	22		801.4																									1							1	1																		15	REMOVE 15' OF 15" RCP AND CB
		22	21		799.15	798.88			16																																														9	REMOVE 9' OF 15" RCP AND CB
L1 20+62.00	LT	21		802.05																									1			1	1																						51	REMOVE 51' OF 18" RCP AND JB
		21	20		798.13	Existing					64																																													
L1 20+00.00	LT	20		801.38	Existing																								1																	1			1							REMOVE JB
Y3 11+26.00	LT	27	OUT		Drive	Pipe																		32																																
Y3 11+72.00	RT	30	29		812.97	812.3			72																																															
SHEET TOTAL									600	560	344	856												32					17	1.9		11	1	3	7	3	3		1	1				2		1			1	1	4		0.76		492	