COMPUTED BY: MRJ DATE: 1/3/2005

CHECKED BY: JAB DATE: 1/10/2005

PROJECT NO.	SHEET NO.
U-4737	3-A

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 OF CURB (CB) TOP OF GRATE (DI)	INVERT IN ELEVATION	INVERT OUT ELEVATION	PERCENT GRADE	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	TRAFFIC BEARING 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	CONCRETE PIPE TEE	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
-LREV- 14+50.00	LT	1		49.41																									1			1			1																				
-LREV- 14+50.00	LT	1	1A		46.70	46.50	1.00%		20																																														OUTLET PIPE, CL 'B' RIP RAP
--LREV-16+48.94	RT	3		46.44																									1							1	1																		
--LREV-16+48.94	LT	4		45.66																									1			1			1																				
--LREV-16+48.94	LT	3	4		42.03	41.75	1.00%		29																																														
-Y2-12+73.70	RT	5		44.00																									1							1	1																		
--LREV-16+48.94	LT	5	4		41.75	42.20	0.75%		60																																														
-LREV-17+62.94	LT	6		43.95																									1			1			1																				
--LREV-16+48.94	LT	4	6		41.75	40.74	0.92%			110																																													
-Y2-12+74.01	LT	7		45.00																									1							1	1																		
-LREV-17+62.94	LT	7	6		40.74	41.34	1.00%			60																																													
-LREV-17+42.58	RT	8		44.21																									1			1		1																					
-LREV-17+62.94	LT	6	8		40.24	39.53	1.00%				71																																										
-LREV-17+42.58	RT	8	9		39.48	38.72	1.00%				76																																										OUTLET PIPE, CL 'B' RIP RAP
-LREV-20+93.59	LT	10		41.27																									1			1	1																						
-LREV-20+93.59	RT	11		41.22																									1			1		1																					
-LREV-20+93.59	LT	10	11		36.75	36.36			68																																														
-LREV-23+42.76	RT	12		38.75																									1			1		1																					
-LREV-20+93.59	RT	11	12		36.36	34.29	0.76%			240																																													
-LREV-23+30.02	LT	13		39.88																									1			1		1																					
-LREV-23+30.02	LT	13	12		34.92	34.51	1.00%		41																																														
-LREV-25+50.00	RT	14		36.85																									1			1		1																					
-LREV-23+42.76	RT	12	14		34.26	32.80	0.76%			192																																													
-LREV-27+94.24	RT	15		35.30																									1			1		1																					
-LREV-25+50.00	RT	14	15		32.77	31.04	0.76%			227																																													
-LREV-27+94.24	RT	16	15		31.04	31.30	1.30%			20																																													
-LREV-27+94.24	RT	15	17		31.00	30.45	0.53%			104																																													OUTLET PIPE
-LREV-30+00.00	LT	18		34.77																									1			1		1																					
-LREV-30+00.00	RT	19		33.73																									1			1		1																					
-LREV-30+00.00	LT	18	19		31.14	30.75	1.00%		39																																														
-LREV-32+50.00	RT	20		32.38																									1			1		1																					
-LREV-30+00.00	RT	19	20		30.50	29.10	0.59%			237																																													
-LREV-32+50.00	RT	20	21		29.04	28.80	1.00%			24																																													OUTLET PIPE, CL 'B' RIP RAP
-LREV-32+50.00	LT	22		33.22																									1							1	1																		
-LREV-32+50.00	LT	22	20		29.49	29.29	0.51%		39																																														
-LREV-34+05.15	LT	24		31.05																									1			1			1																				
-LREV-34+40.31	RT	25		30.79																									1			1		1																					
-LREV-34+05.15	LT	24	25		27.58	27.20	0.50%		76																																														
-LREV-34+40.31	RT	25	26		27.20	27.00	1.00%		20																																														OUTLET PIPE, CL 'B' RIP RAP
-LREV-33+27.11	LT	27		28.00																									1																	1				1					118	
-LREV-33+27.11	LT	27	28		23.82	23.50	0.73%				41																																										OUTLET PIPE
SHEET TOTALS									392	1214	188																		20			15	1	10	4	4	4								1				1					118	

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