COMPUTED BY: DRE DATE: October 6, 2005
CHECKED BY: JCC DATE: October 11, 2005

PROJECT REFERENCE NO.	SHEET NO.
U-3823-B	3-A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

LIST OF PIPE, ENDWALLS, ECT. (FOR PIPE 48" & UNDER)

STATION	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" 0.064	15" 0.064	18" 0.064	24" 0.064	30" 0.079	36" 0.079	42" 0.109	48" 0.109	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	LINEAR FEET A 5.0' THRU 10.0'	B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES & 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	J.B. STD. 840.31 OR 840.32	T.B.J.B. STD. 840.34	M.H. FRAME & 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 LINEAR FEET	REMARKS
-L- 102+10	RT	3							28																																				
-L- 105+36	LT	4		149.4					36																				1			1		1											PIPE INVERT 146.2'
		4	5		145.0	147.4			84																																				
-L- 106+22	LT	5		150.4																									1			1		1										52	
-L- 111+00	RT	6		154.3																									1							1	1								
		6	8		151.2	148.7			200																																				
-L- 113+00	RT	8		151.8																									1							1	1								
		8	9		148.7	145.6			200																																				
-L- 115+00	LT	9		148.7																									1							1	1								
		9	12		145.6	144.6			100																																				
-L- 116+00	LT	12		147.8																									1							1	1								
		12	14		144.6	142.7			76																																				
-L- 116+75	LT	14		147.7																									1							1	1						0.232		
		14	16		142.7	144.8			56																																				
-L- 117+32	LT	16		147.9																									1							1	1								
		16	18		144.8	145.2			52																																				
-L- 117+85	LT	18		148.3																									1							1	1								
-L- 113+00	LT	7		150.2																									1			1			1										
		7	10		147.2	143.8			232																																				
-L- 115+35	LT	10		147.1																									1			1			1										
		10	11		143.8	146.8			24																																				
-L- 115+35	LT	11		149.0																									1							1	1								
		10	13		143.8	142.9				140																																			
-L- 116+75	LT	13		146.7																									1			1	1											69	
		13	17		142.9	144.5				108																																			
-L- 117+85	LT	17		147.8																									1			1		1											
		17	19		144.5	145.5				64																																			
-L- 118+50	LT	19		148.7																									1			1		1											
		13	14		142.9	142.7					32																																		
		14	15		142.7	142.6						40																																	
-L- 116+80	RT	15		148.5																									1	1.0									1	1				192	REMOVE CB
		15	20		142.6	141.8						188																																	
-L- 118+67	RT	20		149.5																									1	2.7									1	1				157	REMOVE 2 CB'S AND DI
-L- 120+44	RT	21		149.7																									1	1.0								1		1			0.232	94	REMOVE CB AND DI
		21	25		143.7	144.0					88																																		
-L- 121+30	RT	25		149.6																									1	0.6		1	1												REMOVE CB
		25	24		144.0	144.1					28																																		
-L- 121+30	RT	24		149.3																									1	0.2						1	1						0.232		
		24	27		144.1	147.1			128																																				
-L- 122+58	RT	27		150.2																									1							1	1								
		27	29		147.1	148.2			204																																				
-L- 124+60	RT	29		151.4																									1							1	1								
SHEET TOTAL									1420	312	148	228																	22	5.5		8	2	4	2	11	11	1	2	3			0.696	564	

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

* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL.'A' + (1.3 X COL.'B')