COMPUTED BY: AL SMITH DATE: 9/23/02
CHECKED BY: S. ASHLEY DATE: 10/27/03

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
U-2734	3-1

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200 mm & 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) 300	375	450	600	750	900	1050	1200	DUCTILE IRON PIPE (UNLESS NOTED OTHERWISE) 300	375	450	600	750	900	1050	1200	PRECAST DRAINAGE STRUCTURE REQUIRED	375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	600mm SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. METERS R.C.P.	C.S.P.	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	FOR DRAINAGE "TOTAL M FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL 'B') METERS A 1.50 THRU 3.00	B 3.00 AND ABOVE	C.B. STD. 840.01 OR 840.02	FRAME, GRATES, AND HOOD STD. 840.03 TYPE OF GRATE E	F	G	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & 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. (N.S.) FRAME W/ 2 GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	M.H.C. STD. 840.34	T.B.J.B. STD. 840.54	T.B.D.I. STD. 840.35	D.I. FRAME & GRATE STD. 840.29	T.B.J.B. STD. 840.52	PRE-FORMED SCOUR HOLE	CONC. APRON FOR DI STD. 852.06	ADJUST EX. C.B.	ADJUST EX. D.I.	ADJUST EX. M.H.	CONV. EXIST. D.I. TO J.B.	CONC. APRON FOR CB STD. 852.05	FLOWABLE FILL (CUBIC METERS)	BORE AND JACK (METERS) W/TWO COLLARS	CONC. & BRICK PIPE PLUG m STD.840.71	CONC. COLLARS, CL. "B" m STD.840.72	PIPE REMOVAL (meters)	REMARKS
-Y1- 11+21	LT	200		13.89	13.20																									1							1	1																							MIN. DEPTH
-Y1- 11+45	RT	201		14.01	13.01																			X																														1							
		201	202		13.01	13.30			2.4																																																				
-Y1- 11+45	RT	202		14.00	13.30																									1							1	1																							MIN. DEPTH
-Y1- 11+00	RT	203		13.99	13.00																																																	1							
		203	204		13.00	13.36			2.4																																																				
-Y1- 11+00	RT	204		14.33	13.36																			X						1			1			X																										
-Y1- 11+05	LT	205			13.50				1.2																																																		0.29		
-Y1- 11+11	LT	206A	206	EXIST	13.15					6.0																																																	0.33		
-Y1- 11+05	LT	206		14.33	13.12																			X						1			1			X																										REM. DI
		206	207		13.12	13.05	*			30																																																			
-Y1- 10+73	LT	207		13.86	13.05																																																	1							
		207	209							30																																																		29.4	
-Y1- 10+43	LT	209		14.26	12.97																			X						1																	1	1															
-Y1- 10+46	RT	210		14.26	13.29																			X						1			1			X																										
		210	211		13.29	13.17				1.2																																																			
-Y1- 10+43	RT	211		14.26	12.62																			X						1	0.14		1			X																										
		211	212		12.62	12.55					2.4																																																	REM. JB
-Y1- 10+43	RT	212		13.49	12.55																									1													1																					
		212	213		12.55	12.50					2.4																																																		
-Y1- 13+02	RT	214		14.55	13.63																			X						1							1	1													1												
		214	215		13.63	13.44			8.4																																																				
-Y1- 13+03	RT	215		14.31	13.44																			X						1			1			X																										
		215	216		13.44	13.42			3.6																																																				
		215	217		13.44	13.52			31.2																																																				
-Y1- 13+36	RT	217		14.28	13.52																			X						1			1			X																										
		218	219		13.72	13.76			3.6																																																				
-Y1- 13+08	RT	219		14.52	13.76																			X						1			1			X																										
-Y1- 12+98	RT	220								12.0																																																			
-Y1- 13+04	RT	221								1.2																																																	0.33		
-Y1- 13+22	RT	222								16.8																																																			
-Y1- 13+77	RT	223								13.2																																																		11.2	
		224	225		13.60	13.53			24.0																																																				
-Y1- 13+91	LT	225		14.33	13.53																			X						1			1			X																										MIN. DEPTH
		225	226		13.53	13.60			3.6																																																				
SHEET TOTAL										110.4																										8	3						1							1									0.95		
									80.4		4.8													12						13	.14		8					3								1	1							3						40.6	

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