6/20/00

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-E

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	T.B.J.B. STD. 840.34	M.H.C. 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
		104	106		7.56	8.20				32.4																																																						14.8	
-L- 40+53	LT	106		9.00	8.20																													1											1		1																			
		106	107		8.20	8.60				8.4																																																								
-Y10- 10+82	RT	108		8.87	7.83																						X							1															1																	5	
		108	109		7.83	7.70			22.8																																																									
-Y10- 11+18	LT	110							13.2																																																							10.2	
-Y10- 10+95	LT	111							6.0																																																							5	
-Y10- 10+83	LT	112							6.0																																																							4	
-L- 39+03	RT	113		9.00	8.13																						X							1															1																	12.4	REM. CB
		113	114		8.13	8.26			12.0																																																								
-L- 39+16	RT	114		9.23	8.26																						X							1			1			X																											
-L- 39+58	RT	115		9.30	8.46																													1								1	1																							7.2	REMOVE EXIST. DI
-L- 40+67	RT	116		9.43	8.51																						X							1			1		X																												
		116	117		8.51	8.46			4.8																																																								
-L- 40+54	RT	117		9.43	8.46																						X							1			1	X																													
		117	118		8.46	8.42			6.0																																																							7.4	
-L- 41+27	LT	119			8.55					4.8																																																						0.33		
		120	121		EXIST					3.6																																																						0.33		
-L- 41+30	RT	121		9.65	8.36																						X							1			1			X																										12	
		121	122		8.36	8.18				37.2																																																							12	
-L- 41+67	RT	122		9.89	7.70																													1	0.69													1		1																	
		122	123		7.70	8.00								40.8																		3.4																															28 @1050		1.3	7.4	
		122	124		8.18	8.58				4.8																																																								
		122	125		7.70	4.74									93.6																																																			
-Y5- 11+20	LT	125		6.80	4.74																													1	0.56									1			1																					REMOVE CONC. APRONS
		125	126		4.74	4.44									58.8																																																			
-Y5- 11+77	LT	126		6.50	4.44																													1	0.56									1			1																					
		126	127		4.44	4.34									24.0																																																				
-Y5- 12+01	LT	127		6.40	4.34																													1	0.56									1			1																				6	
		127	128		4.34	4.14									48.0																																																				
-Y5- 12+48	LT	128		6.20	4.14																													1	0.56									1			1																					
		128	129		4.14	3.74									13.2																																																				
-Y5- 12+53	RT	129		5.80	3.74																													1	0.56									1			1																				6	
		129	130		3.74	3.60									75.6																																																				
-Y5- 13+27	RT	130		5.50	2.60																													1	1.40									1			1																					
		130	131		2.60	2.60									16.8																																																				
SHEET TOTAL										91.2				40.8																		3.4		15				1		2		1		6				1		1												28 @1050		1.96		
									70.8						330.0												6								4.89		4		1				1		1		7		2																	109.4	

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

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