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-C

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200 mm & 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) 300	375	450	600	750	900	1050	1200	DUCTILE IRON PIPE (UNLESS NOTED OTHERWISE) 300	375	450	600	750	900	1050	1200
-L- 26+22	LT	49		5.85	4.78																		
-L- 27+38	RT	50		6.65	4.26																		
		50	51		4.63	5.63			9.6														
		50	52		4.26	4.22	*					6.0											
-L- 27+38	RT	51		6.47	5.63																		
-L- 27+44	RT	53			4.25	4.22						9.6											
~~-L- 26+03~~	~~LT~~	~~54~~																					
-L- 27+96	CL	55			4.50	4.50							23.6										
-L- 28+30	CL	56			4.70	4.70							26.0										
-L- 28+43	RT	57			5.20	5.00					9.6												
		58	59		5.20	5.30					22.8												
-L- 28+80	RT	59		6.81	5.30																		
		59	60		5.30	5.97			30.0														
		59	61		5.30	5.72	*			79.2													
-L- 28+86	LT	60		6.81	5.97																		
-L- 29+60	RT	61		6.63	5.72																		
		61	62		5.72	5.99	*			37.2													
-L- 29+99	RT	62		6.90	5.99																		
		62	63		5.99	6.30			31.2														
-L- 31+01	LT	63		7.14	6.30																		
-L- 32+39	RT	64		7.83	6.99																		
		64	65		6.99	6.45			84.2														
-L- 33+25	RT	65		7.29	6.45																		
		65	66		6.45	6.36	*		16.8														
-L- 33+41	RT	66		7.20	6.36																		
		66	67		6.36	6.21	*		20.4														
-L- 33+66	RT	68			EXIST	6.21								8.4									
		69	70		6.08	6.12	*							9.6									
-L- 33+70	RT	70		7.55	6.12																		
		70	70A		6.12	6.55	*							93.9									
-L- 34+64	RT	70A		8.67																			
		70A	71		6.55	6.73	*							39.0									
-L- 35+03	RT	71		8.57	6.73																		
		71	72		6.73	7.15								21.6									
-L- 34+40																							
-L- 33+32	RT	73		8.57	7.60																		
		73	74		7.60	6.27			33.6														
~~-L- 33+66~~	~~LT~~	~~74~~		~~8.08~~	~~6.27~~																		
		~~74~~	~~75~~		~~6.27~~	~~6.56~~																	
SHEET TOTAL										116.4		15.6		172.5									
									225.8		32.4		49.6										

STATION	STRUCTURE NO. FROM	STRUCTURE NO. TO	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. 840.29	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
-L- 26+22	49								1											1	1																			PLACED BY OTHERS
-L- 27+38	50								1	0.89								1			1																			
	50	51																																						
	50	52																																						
-L- 27+38	51								1										1		1																			
-L- 27+44	53						*1.8																																	750mm SLUICE GATE W/RISER (*USE STD. 838.02 FOR ENDWALL)
~~-L- 26+03~~	~~54~~																																							PLACED BY OTHERS
-L- 27+96	55																																			24@900		1.12	18.4	
-L- 28+30	56																																			24@900		1.12	2.6	
-L- 28+43	57						*1.1																					1												600mm SLUICE GATE W/RISER (*USE STD. 838.02 FOR ENDWALL)
	58	59																																						
-L- 28+80	59								1	0.01								1			1																			
	59	60																																					10.0	
	59	61																																					7.6	
-L- 28+86	60								1										1		1																			
-L- 29+60	61								1										1		1																			
	61	62																																						
-L- 29+99	62								1										1		1																			
	62	63																																					12.4	
-L- 31+01	63								1										1		1																			
-L- 32+39	64								1										1		1																			REM. DI
	64	65																																	11.92				6.0	
-L- 33+25	65								1										1		1																			
	65	66																																						
-L- 33+41	66								1										1		1																			
	66	67																																						
-L- 33+66	68																																					0.65		
	69	70																																						
-L- 33+70	70								1													1																		MIN. DEPTH
	70	70A																																						
-L- 34+64	70A		X						1			1		X																										
	70A	71																																						
-L- 35+03	71		X						1	0.34		1		X																					3.66					
	71	72					3.4																													19.2@1050		1.3		
-L- 34+40																																							12.1	
-L- 33+32	73		X						1							1	1												1											
	73	74																																						
~~-L- 33+66~~	~~74~~									~~0.31~~																														PLACED BY OTHERS/REM. HDWL
	~~74~~	~~75~~																																						PLACED BY OTHERS
SHEET TOTAL							6.3		15							1		2				1						1								48@900		4.19		
			3							1.24		2		2	1		1		8	1	11								1						15.58	19.2@1050			69.1	

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

23-FEB-2004 12:10
R:\Drainage\u2734.sum
AT RD212454
SAshley