COMPUTED BY: J. Braxton DATE: 3-28-03
CHECKED BY: D. Noland DATE: 7-09-04

6/20/00

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
U-2912	3E

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200 mm & UNDER)

STATION +/- (SIZE / THICKNESS OR GAUGE – L REV –)	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	IN TOP ELEVATION	OUT INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) 300	375	450	600	750	900	1050	1200
31+08	RT	83		43.63											
		83	84		42.25	41.10			37.2						
31+46	LT	84		42.43											
		84	OUT		40.41	39.44									
32+55	RT	85		35.44											
		85	86		34.10	32.20			36						
32+91	RT	86		33.22											
		86	OUT		32.20	27.66									
33+66	RT	87		29.95											
		87	88		28.39	28.39			1.2						
33+65	RT	88		29.98											
		88	89		28.39	27.45			19.2						
33+65	LT	89		30.21											
		89	OUT		27.45	26.27									
34+29	RT	90			25.98										
		90	OUT		25.98	26.00							25.2		
34+47	RT	91		28.28											
		91	92		27.65	27.43			21.6						
34+69	RT	92		28.24											
		92	93		27.43	27.42			1.2						
34+71	RT	93		28.25											
		93	OUT		27.42	25.71									
36+12	LT	94		27.22											
		94	OUT		26.60	25.64			10.8						
	LT	95									7.2				
36+51	LT	96									10.8				
36+51	LT	98		29.07											
		98	97		28.10	26.88			58.8						
36+58	LT	97		27.84											
		97	OUT		26.88	25.71			10.8						
		99											30		
SHEET TOTAL									196.9		18		55.2		

STATION	FROM	TO	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 300 (1.63)	375	400 (1.63)	450 (1.63)	600 (1.63)	800 (2.01)	900 (2.01)	1000 (2.77)	1200 (2.77)	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.
31+08	83															
	83	84														
31+46	84															
	84	OUT			12											
32+55	85															
	85	86														
32+91	86															
	86	OUT			34.8											
33+66	87															
	87	88														
33+65	88															
	88	89														
33+65	89															
	89	OUT			12											
34+29	90															
	90	OUT														
34+47	91															
	91	92														
34+69	92															
	92	93														
34+71	93															
	93	OUT			31.2											
36+12	94															
	94	OUT														
	95															
36+51	96															
36+51	98															
	98	97														
36+58	97															
	97	OUT														
	99															
SHEET TOTAL					90.0											

STATION	FROM	TO	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
31+08	83		1			1			1
	83	84							
31+46	84		1			1			1
	84	OUT							
32+55	85		1			1		1	
	85	86							
32+91	86		1			1		1	
	86	OUT							
33+66	87		1			1		1	
	87	88							
33+65	88		1			1		1	
	88	89							
33+65	89		1			1			1
	89	OUT							
34+29	90								
	90	OUT							
34+47	91		1			1		1	
	91	92							
34+69	92		1			1		1	
	92	93							
34+71	93		1			1		1	
	93	OUT							
36+12	94		1			1		1	
	94	OUT							
	95								
36+51	96								
36+51	98		1			1		1	
	98	97							
36+58	97		1			1		1	
	97	OUT							
	99								
SHEET TOTAL			13			13		10	3

STATION	FROM	TO	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. FRAME WITH GRATE STD. 840.22	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	M.H. FRAME & COVER STD. 840.54	TBJB STD. 840.34	ADJUST CB	CORR. STEEL ELBOW NO. & SIZE	CONC. ELBOWS 375 MM	CONC. COLLARS, CL. "B" m^3 STD.840.72	CONC. & BRICK PIPE PLUG m^3 STD.840.71	PIPE REMOVAL (meters)	REMARKS
31+08	83																			8.3	
	83	84																			
31+46	84																				
	84	OUT																			
32+55	85																				
	85	86																			
32+91	86																				
	86	OUT																			
33+66	87																				
	87	88																			
33+65	88																				
	88	89																			
33+65	89																				
	89	OUT																			
34+29	90																	0.56			COLLAR & EXTEND
	90	OUT																			
34+47	91																				
	91	92																			
34+69	92																				
	92	93																			
34+71	93																				
	93	OUT																			
36+12	94																				
	94	OUT																			
	95																			9.5	
36+51	96																			10.3	
36+51	98																				
	98	97																			
36+58	97																				
	97	OUT																			
	99																			25	
SHEET TOTAL																		0.56		53.1	

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

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