RD104,10/13/00,G:\Admin\DataMasters\Excel_sheets\Drainage_Summaries.xls

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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT NO.	SHEET NO.
R-513C	3-I

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200mm & 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	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 300	400	450	600	800	900	1000	1200
SIZE / THICKNESS OR GAUGE																1.63	1.63	1.63	1.63	2.01	2.01	2.01	2.01
		238	239		41.72	41.03				116.4													
12+20 -Y2-	RT	239		41.92																			
		239	240		41.03	40.79				38.4													
11+80 -Y2-	RT	240		41.68	40.79	39				51.6													
35+40 -Y2-	LT	241		44.57	42.58	EXIST.				19.2													
35+40 -Y2-	CL	242		43.92	42.28																		
35+40 -Y2-	RT	243		44.02	41.98	41.52				39.6													
5+71 -RPC-	CL	244		42.4	41.59	41.52					33.6												
5+71 -RPC-	RT	245			41.79	41.59					73.2												
37+28 -Y2-	LT	246		44.57	43.03	EXIST.				18.0													
37+28 -Y2-	CL	247		43.92	42.6																		
37+28 -Y2-	RT	248		44	42.19	41.95				31.2													
39+00 -Y2-	CL	249		43.92																			
		249	250		43.11	42.98			25.2														
39+00 -Y2-	LT	250		44.58	42.98	42.8				22.8													
38+86 -COBC-	LT	251		44.05	43.24	42.4			26.4														
40+77 -Y2-	LT	252		44.58																			
		252	253		43.77	42.79			25.2														
40+77 -Y2-	CL	253		43.92																			
40+77 -Y2-	RT	254		44.02	42.4																		
40+77 -Y2-	RT	255			EXIST.	42.2				19.2													
43+57 -Y2-	CL	256		43.92	42.37																		
43+57 -Y2-	RT	257			EXIST.	42.23				2.4													
45+98 -Y2-	CL	258		43.9	EXIST.																		
11+51 -Y3-	LT	259			EXIST.	38.05				2.4													
13+59 -Y3-	LT	260		39.8	EXIST.																		
		260	261		38.4	40.3			86.4														
14+46 -Y3-	LT	261		41.11																			
15+47 -Y3-	RT	262		44.05	43.24	39.8											12.0						
21+34 -Y3-RT	LT	263		41.42	EXIST.																		
21+85 -Y3-RT	LT	264		40.2	39.39	38			25.2														
[illegible]+08 -Y3B-	CL	265			38	37.8							26.4										
12+43 -Y3B-	CL	266			37.8	37.6							49.2										
11+89 -Y3B-	CL	267			38.5	38			42.0														
27+53 -Y3-	LT	268			38.85	EXIST.				2.4													
29+25 -Y3-	RT	269			EXIST.	38.91						10.8											
3+06 -Y9-	CL	270			39.38							36.0											
30+60 -Y3-	RT	271		48.3	47.49	41											15.6						
38+85 -Y3-	CL	272			41.31	41.26					31.2												
SHEET TOTALS									230.4	363.6	138.0	46.8	75.6				27.6						

STATION	STRUCTURE NO.	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 FOR DRAINAGE STRUCTURES PER EACH (0 THRU 1.50)	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') METERS A 1.5 THRU 3.00	B 3.00 AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND 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 TWO GRATES STD. 840.20	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	MANHOLE STD. 840.51	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND COVER STD. 840.54	CONVERT D.I. TO J.B.	ADJUST D.I.	T.B.J.B. STD. 840.34	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 (METERS)	REMARKS
	238–239																																	
12+20 -Y2-	239						1										1					1												
	239–240						1																											
11+80 -Y2-	240																1					1												
35+40 -Y2-	241						1	0.5									1			1											0.33			REMOVE FES
35+40 -Y2-	242						1	0.3									1			1														
35+40 -Y2-	243						1	0.6									1			1														
5+71 -RPC-	244						1											1		1														
5+71 -RPC-	245																																	
37+28 -Y2-	246						1	0.3									1			1											0.33			REMOVE FES
37+28 -Y2-	247						1										1			1														2GI 1.51m DEEP
37+28 -Y2-	248						1	0.5									1			1													8	REMOVE FES
39+00 -Y2-	249						1										1			1														
	249–250																																	
39+00 -Y2-	250						1										1			1														2GI 1.51m DEEP
38+86 -COBC-	251						1										1			1														
40+77 -Y2-	252						1										1			1													2	REMOVE FES
	252–253																																	
40+77 -Y2-	253						1										1			1														2GI 1.3m DEEP
40+77 -Y2-	254						1	0.1									1			1														
40+77 -Y2-	255																														0.33			REMOVE FES
43+57 -Y2-	256						1	0.2									1			1													2	REMOVE EXISTING 2GI
43+57 -Y2-	257																														0.33			REMOVE FES
45+98 -Y2-	258																												1					
11+51 -Y3-	259																														0.33			REMOVE FES
13+59 -Y3-	260						1	0.2									1					1												
	260–261																																	
14+46 -Y3-	261						1										1					1												
15+47 -Y3-	262						1										1		1											2 @ 400				
21+34 -Y3-RT	263																												1					
21+85 -Y3-RT	264						1										1					1												
[illegible]+08 -Y3B-	265				2.6																													
12+43 -Y3B-	266				2.6																													
11+89 -Y3B-	267																																	
27+53 -Y3-	268																														0.33			REMOVE FES
29+25 -Y3-	269																														0.48			REMOVE FES
3+06 -Y9-	270																																	
30+60 -Y3-	271						1										1		1											2 @ 400				
38+85 -Y3-	272																																	
SHEET TOTALS					5.2		21	2.7									20	1	2	14		5							2		4 @ 400	2.46		12.0	

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 JUNCTION BOX