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

COMPUTED BY: RWZ DATE: MARCH 2004

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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC | PROJECT NO. R-513C | SHEET NO. 3-F

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) SIZE: 300	375	450	600	750	900	1050	1200
SIZE															
THICKNESS OR GAUGE															
312+00 -L-	CL	149		42.9											
		149	150		42.09	41.94	*		28.8						
312+00 -L-	LT	150		43.03											
		150	151		41.94	42.84			22.8						
19+03 -Y9-	LT	151		43.65											
44+43 -Y8-	LT	152		43.35											
		152	153		42.54	42.19			19.2						
44+40 -Y8-	RT	153		43.08											
		153	148		42.19	40.81	*			207.6					
20+95 -Y9-	LT	154													
21+54 -Y9-	LT	155													
13+62 -Y4-	CL	156			41.2	41				81.6 (CL IV)					
13+59 -Y4-	RT	157		49.57											
		157	158		48.76	48.69			14.4						
13+58 -Y4-	LT	158		49.6	48.69	41.4									
14+38 -Y4-	RT	159		49.57											
		159	160		48.76	48.69			14.4						
14+41 -Y4-	LT	160		49.57	48.69	41.4									
14+45 -Y4-	CL	161			40.8	40.4				85.2 (CL IV)					
316+60 -L-	CL	162		42.2											
		162	163		41.39	40.19			118.8						
317+79 -L-	LT	163		41.1											
317+79 -L-	RT	164		42.16											
		164	163		41.35	40.19			9.6						
317+79 -L-		165		42.26											
		165	163		41.45	40.19			2.4						
319+34 -L-	CL	166		40.95	40.04										
319+46 -L-	CL	167		40.92	40.01										
319+34 -L-	RT	168			39.39	EXIST.								4.8	
320+00 -L-	CL	169		40.8											
		169	167		40.16	40.01				54.0					
320+30 -L-	LT	170			EXIST.	39.87				4.8					
9+43 -Y9-	CL	171			39.29	39.21								30.0	
53+00 -Y8-	CL	172			41	41						22.8			
54+40 -Y8-	CL	173			41.29	41				20.4					
324+93 -L-	CL	174		41.21	39.71										
324+93 -L-	RT	175			40.3	39.95						27.6			
10+10 -Y8C-	CL	176			41.54	41.42			38.4						
NOT USED		177													
SHEET TOTALS									268.8	286.8		50.4		34.8	
										166.8 (CL IV)					

BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) SIZE: 300	400	450	600	800	900	1000	1200	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 *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	PER EACH (0 THRU 1.50)	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G
1.83	1.83	1.83	1.83	2.01	2.01	2.01	2.01												
															1				
															1				
															1				
															1				
															1				
								9.6											
								9.6											
															1				
															1				
															1				
															1				