RD187117

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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT NO.	SHEET NO.
R-0513BB	3-D

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

Table A: Station, structure, elevations and Class III R.C. Pipe

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
SHEET 9															
-L- 170+40	CL	17		46.84											
-L- 170+40	CL	17	17A		45.34	45.09			26.4						
-L- 171+16	CL	18		46.43											
-L- 171+16	RT	18B	18												26.4
-L- 171+16	CL	18	18A												26.4
-SR5- 27+84	CL	19													28.8
-L- 172+00	CL	20		46.76											
-L- 172+00	CL	20	20A		45.68	45.56			25.2						
SHEET 10															
-L- 173+20	CL	21		47.36											
-L- 173+20	CL	21	21A		46.10	45.95			30.0						
-L- 174+40	CL	22		47.96											
-L- 174+40	CL	22	22A		46.46	46.36			30.0						
-SR5- 31+09	CL	23			46.33	46.27				27.6					
SHEET 11															
-L- 176+80	CL	23A		47.84											
-L- 176+80	CL	23A	23B		46.88	46.75			25.2						
-L- 178+00	CL	24		47.13											
-L- 178+00	CL	24	24A		46.26	46.14			25.2						
-RB- 14+69	CL	26			45.23	45.10					45.6				
-RC- 14+19	CL	27			45.41	45.27				81.6 (CL IV)					
-RC- 14+44	RT	27A													
-RD- 10+49	CL	28			45.26	45.14				76.8 (CL IV)					
-Y5- 13+16	RT	29		54.64											
-Y5- 13+16	RT	29	29A		53.63	45.14									
-Y5- 13+42	LT	30		55.26.											
-Y5- 13+42	LT	30	30B		54.26	45.2									
-Y5-13+49	LT	30A													
-L- 178+65	CL	31			47.17	45.04					62.4				
-L- 178+96	CL	31A													
-L- 179+07	LT	31B													
-L- 179+60	CL	32		46.79											
-L- 179+60	CL	32	32A		45.95	44.94			28.8						
-Y5-14+74.5	LT	33		54.48											
-Y5-14+74.5	LT	33	33A		53.48	44.89									
-Y5-14+87	RT	34		54.27											
-Y5-14+87	RT	34	35		53.27	52.60			32.4						
-Y5-15+19	RT	35		53.60											
-Y5-15+19	RT	35	35A		52.57	45.76									
										158.4 (CL IV)					
SHEET TOTALS								0	223.20	27.6	108.0	0.0	0.0	0.0	81.6

Table B: Bituminous coated C.S. pipe, side drain pipe, endwalls (SIZE / THICKNESS OR GAUGE)

STATION	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 300 / 1.63	400 / 1.63	450 / 1.63	600 / 1.63	800 / 2.01	900 / 2.01	1000 / 2.01	1200 / 2.01	375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	750mm SIDE DRAIN PIPE	ENDWALLS STD. 838.01 STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. METERS R.C.P.	C.S.P.
-L- 171+16 (18B–18)												4.6	
-L- 171+16 (18–18A)												4.6	
-SR5- 27+84												9.2	
-Y5- 13+16 (29–29A)		42.0											
-Y5- 13+42 (30–30B)		32.4											
-Y5-14+74.5 (33–33A)		34.8											
-Y5-15+19 (35–35A)		25.2											
SHEET TOTALS	0.0	134.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	0.0

Table C: Drainage structures

QUANITIES FOR DRAINAGE STRUCTURES *TOTAL (m) FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')

STATION	PER EACH (0 THRU 1.50)	METERS A 1.5 THRU 3.00	METERS 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 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	TRAFFIC BEARING DI STD. 840.36 (EA)	MANHOLE STD. 840.51	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND COVER STD. 840.54	STL. GRATE & FRAME STD 840.37 (EA)	M.D.I. FRAME WITH GRATES STD. 840.20	CONVERT D.I. TO J.B.	ADJUST D.I.	T.B.J.B. STD 840.34	CONVERT J.B. TO 2GI
-L- 170+40 (17)	1										1			1													
-L- 171+16 (18)	1	0.56								1				1													
-L- 172+00 (20)	1										1			1													
-L- 173+20 (21)	1										1			1													
-L- 174+40 (22)	1										1			1													
-L- 176+80 (23A)	1										1			1													
-L- 178+00 (24)	1										1			1													
-Y5- 13+16 (29)	1										1												1				
-Y5- 13+42 (30)	1										1												1				
-L- 179+60 (32)	1										1			1													
-Y5-14+74.5 (33)	1										1												1				
-Y5-14+87 (34)	1										1			1													
-Y5-15+19 (35)	1										1												1				
SHEET TOTALS	13	0.56	0	0	0	0	0	0	0	1	12	0	0	9	0	0	0	0	0	0	0	0	4	0	0	0	0

Table D: Miscellaneous and remarks

STATION	PREFORMED SCOUR HOLE	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" M³ STD. 840.72	CONC. & BRICK PIPE PLUG, M³ STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
-RC- 14+44 (27A)					15.9	
-Y5- 13+16 (29)						SEE STD 820.04
-Y5- 13+16 (29–29A)		2-400				
-Y5- 13+42 (30)						SEE STD 820.04
-Y5- 13+42 (30–30B)		2-400				
-Y5-13+49 (30A)					7.7	
-L- 178+96 (31A)					13.7	
-L- 179+07 (31B)					6.3	
-Y5-14+74.5 (33)						SEE STD 820.04
-Y5-14+74.5 (33–33A)		2-400				
-Y5-14+87 (34)						SEE STD 820.04
-Y5-15+19 (35)						SEE STD 820.04
-Y5-15+19 (35–35A)		2-400				
SHEET TOTALS		8-400			43.6	

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 MEDIAN DROP INLET
.S.) (NARROW SLOT)
JUNCTION BOX
J.B. MANHOLE
M.H. TRAFFIC BEARING DROP
T.B.D.I. INLET
T.B.J.B TRAFFIC BEARING JUNCTION
. BOX