RD187117,6/24/04,R:\Quantities\NEW_021303_r513bbdrainsum.xls

RD187117

COMPUTED BY:	YJA	DATE:	9/14/02
CHECKED BY:	TLS	DATE:	2/22/04

METRIC

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

STATION / SIZE	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	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.	QUANITIES FOR DRAINAGE STRUCTURES *TOTAL (m) FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') 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 TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	M.H. FRAME AND COVER STD. 840.54	M.D.I. FRAME WITH TWO 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	PREFORMED SCOUR HOLE	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" M^3 STD. 840.72	CONC. & BRICK PIPE PLUG, M^3 STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
THICKNESS OR GAUGE																1.63	1.63	1.63	1.63	2.01	2.01	2.01	2.01																																	
SHEET 28																																																								
-Y5- 12+00	LT	27B																																																					7.7	
SHEET 29																																																								
-SR5- 34+89	CL	25			45.40	45.32				28.8																																														
SHEET 30																																																								
-SR5- 37+28	CL	40			44.15	44.11								28.8													6.8																													2 END WALLS
-SR5- 38+60	CL	41			44.69	44.64				28.8																																														
-Y5- 18+98.27	LT	41A																																																					12.5	
-Y5- 20+63	RT	41B																							4.8																														4.8	
SHEET 31																																																								
-Y- 10+20	LT	102																						12																															12.6	
-Y- 10+20	RT	103																						12																															12.4	
SHEET 32																																																								
-Y- 17+90	LT	104																																																					6.4	
-Y- 18+30	LT	105																						6																															6.2	
-Y- 18+78	CL	106			44.75	44.30					31.2																																													
-Y- 18+80	LT	107																							6																															
-Y- 18+80	LT	108																																																					6.8	
SHEET TOTAL									0	57.6	31.2	0.0	0	28.8	0		0							30	10.8	0	6.8		0	0.00		0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	69.4	
R-0513BB PROJECT TOTALS									1405.2	114.0	585.6	608.4	334.8	330.0	414.0		236.4							30	105.6	8.4	111.4		66	12.06		0				0	0	3	60	3	1	58	0	0	0	8	0	0	0	0	7	14-400	0	0	201.2	
CLASS IV										158.4																																														
R-0513C PROJECT TOTALS									2750.4	2352	447.6	657.6	322.8	661.2	198		1021.2							162	9.6	0	71		166	9.80		12	4	4	4	1	1	4	117	24	0	105	15	5	1	25	8	11	3	2		50-400	11.78	0.32	1552.5	
CLASS IV										528	69.6	56.4		100.8																																					0					
GRAND TOTAL									4155.6	2466.0	1033.2	1266.0	657.6	991.2	612		1257.6							192	115.2	8.4	182.4		232	21.86		12	4	4	4	1	1	7	177	27	1	163	15	5	1	33	8	11	3	2	7	64-400	11.78	0.32	1753.7	
GRAND TOTAL CLASS IV										686.4	69.6	56.4	0	100.8																																										

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)
	JUNCTION BOX
J.B.	MANHOLE
M.H.	TRAFFIC BEARING DROP
T.B.D.I.	INLET
	TRAFFIC BEARING JUNCTION
T.B.J.B.	BOX