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

COMPUTED BY: RWZ DATE: MARCH 2004

CHECKED BY: WCP DATE: APRIL 2004

METRIC

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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 (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	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 TWO GRATES 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
16+60 -Y4-	CL	273			41.2	41				30.0																																														
52+01 -Y8-	CL	274			40.3	40.2								22.8													3.4																													
52+50 -Y8-	CL	274A			41.3	41.3						19.2																																												
12+08 -Y1-	LT	275																																																					8.1	
12+14 -Y1-	RT	276																																																					15.2	
13+13 -Y1-	RT	277																																																					5.6	
13+42 -Y1-	RT	278																																																					7	
13+57 -Y1-	LT	279																																																					45.6	
14+34 -Y1-	RT	280																																																					6.7	
14+40 -Y1-	LT	281																																																					8.8	
15+55 -Y1-	LT	282																																																					8.7	
15+62 -Y1-	RT	283																																																					6	
257+47 -L-	RT	284																																																					14.4	
4+66 -RPA-	RT	285																																																					7.3	
273+64 -L-	LT	286																																																					14.9	
3+00 -RPB-	RT	287																																																					6.9	
3+57 -RPB-	RT	288																																																					8	
3+90 -RPB-	RT	289																																																					6	
2+40 -LPB-	LT	290																																																					7.2	
2+60 -LPB-	RT	291																																																					16.5	
2+80 -LPB-	RT	292																																																					6	
3+18 -LPB-	RT	293																																																					7.4	
6+60 -RPB-	RT	294																																																					8.6	
30+17 -Y2-	CL	295																																																				0.32	1.2	
6+76 -LPB-	RT	296																																																					7	
28+27 -Y2-	LT	297																																																					3.6	
0+08 -LPC-	LT	298																																																					4.6	
279+80 -L-	LT	299																																																					10.8	2 - FES
0+00 -LPA-	LT	300																																																					20	2 - FES
1+45 -LPA-	LT	301																																																					9.6	2 - FES
2+70 -RPD-	RT	302																																																					16.8	
3+27 -RPD-	LT	303																																																					7.6	
+18 -RPD-	LT	304																																																					6.8	
287+09 -L-	RT	305																																																					5.2	
2+46 -RPB-	RT	306																																																					9	
30+90 -Y3-	LT	307																																																					8.4	
31+40 -Y3-	RT	308																																																					7.7	
31+60 -Y3-	LT	309																																																					26.4	1 - FES
4+50 -Y9-	RT	310																																																					10.3	
5+15 -Y9-	RT	311																																																					32.7	
SHEET TOTALS										30.0		19.2		22.8													3.4																											0.32	402.6	

SIZE / THICKNESS OR GAUGE

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