COMPUTED BY: RWZ DATE: MARCH 2004
CHECKED BY: WCP DATE: APRIL 2004

METRIC

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

Column headings (the columns not shown in the table below have no entries): STATION; SIZE; THICKNESS OR GAUGE; LOCATION (LT, RT, OR CL); STRUCTURE NO. (FROM, 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 (thickness 1.63, 1.63, 1.63, 1.63, 2.01, 2.01, 2.01, 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 "TOTAL L.F. 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, 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 GRATE 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.

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

STATION	LOCATION	STRUCTURE NO. FROM	TO	PIPE REMOVAL (METERS)	REMARKS
4+87 -RPA-	RT	312		24.6	1 - FES
3+57 -RPA-	LT	313		10.6	
304+12 -L-	CL	314		13.2	1 - FES
35+74 -Y3-	LT	315		7.5	
304+69 -L-	LT	316		9.3	
304+64 -L-	RT	317		29.2	2 - FES
38+28 -Y8-	LT	318		13.2	
38+44 -Y8-	LT	319		18	2 - FES
306+58 -L-	LT	320		9.2	2 - FES
325+10 -L-	LT	321		13	
308+25 -L-	LT	322		8.5	1 - FES
308+16 -L-	RT	323		26.3	2 - FES
310+85	LT	323A		10	2 - FES
312+28 -L-	RT	324		9.6	2 - FES
312+56 -L-	LT	325		9.6	2 - FES
314+50 -L-	LT	326		13.8	2 - FES
13+68 -Y4-	CL	327		28.8	2 - FES
14+33 -Y4-	CL	328		31.2	2 - FES
320+06 -L-	LT	329		30.8	DOUBLE PIPE
54+40 -Y8-	LT	330		9.4	
322+00 -L-	LT	331		10.2	2 - FES
327+80 -L-	LT	332		13.2	2 - FES
327+86 -L-	RT	333		12.6	2 - FES
330+28 -L-	LT	334		15	2 - FES
330+32 -L-	RT	335		12.2	2 - FES
65+33 -Y8-	LT	336		11.5	2 - FES
72+66 -Y8-	RT	337		6.6	
11+70 -Y1-	RT	338		7.2	
11+86 -Y1-	RT	339		6.8	
17+40 -Y2-	LT	340		67.2	2 - FES
17+60 -Y2-	RT	341		54.5	2 - FES
9+00 -Y3-	RT	342		66	2 - FES
12+09 -Y5-	RT	343		9.2	2 - FES
14+72 -Y5-	LT	344		14.2	2 - FES
7+13 -RPB-	RT	345		30.5	
15+00 -Y3-	RT	346		10	REMOVE CB
21+60 -Y3-	RT	347		41.2	2 - FES
30+80 -Y3-	RT	348		8	
41+20 -Y3-	LT	349		7.6	
SHEET TOTALS				729.5	