COMPUTED BY: BWJ DATE: 6/9/04
CHECKED BY: DW DATE: 7/14/04

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
B-3376	3-A

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

STATION / SIZE / THICKNESS OR GAUGE	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
																1.63	1.63	1.63	1.63	2.01	2.01	2.77	2.77
–L–																							
11+06	RT	1																					
11+58	RT	2	3		77.350	77.000				3.6													
11+69	LT	4	5		75.551	75.384				2.4													
12+15	LT	6	7		72.062	70.740				20.4													
12+24	LT	7		71.400																			
12+24	LT	7	8		70.740	70.455				21.6													
–DRIVE 1–																							
10+10	CL	9																					
–L–																							
12+15	RT	10	11		73.141	71.390				13.4													
12+26	CL	7	11		70.740	71.390				25.2													
12+28	RT	11		72.050																			
12+46	RT	11	12		71.390	71.580				36.0													
12+64	RT	12		72.490																			
13+17	RT	13		72.306																			
13+17	RT	13	14		71.470	68.900											8.4						
13+70	RT	15																					
13+89	LT	16																					
14+68	LT	17																					
–DET–																							
13+25	LT	18															7.2 (UNCOATED)						
SHEET TOTAL										122.6							8.4	7.2 (UNCOATED)					

STATION / SIZE / THICKNESS OR GAUGE	375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	600mm 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.	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	FOR DRAINAGE QUANTITY (MULTIPLE OF 1.50) METERS 1.50 THRU 3.00 A	3.00 AND ABOVE B	C.B. STD. 840.01 OR 840.02	FRAME, GRATES, AND HOOD STD. 840.03 TYPE OF GRATE E	F	G	T.B.D.I. STD. 840.35	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & 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	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.25	J.B. STD. 840.31 OR 840.32	REINF. CONC. ELBOWS NO. & SIZE	M.D.I. (N.S.) FRAME WITH GRATE STD. 840.29	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	CONC. COLLARS, CL. "B" m STD. 840.72	PIPE REMOVAL (meters)	BITUMINOUS COATED CORR. STEEL ELBOW NO. & SIZE	REMARKS
–L–																														
11+06	7.2																											10.2		REMOVE 300mm PIPE
11+58																											.33			450 COLLAR AND EXTEND
11+69																											.33			450 COLLAR AND EXTEND
12+15																														
12+24						1											1			1										
12+24																														
–DRIVE 1–																														
10+10	9.6																													
–L–																														
12+15																														
12+26																												8		REMOVE 375mm PIPE
12+28						1											1			1										
12+46																														
12+64						1							1											1						
13+17						1							1											1						
13+17																													2@400mm	2 ELBOWS @ 400mm ROD & LUG CONNECTOR SLEEVES
13+70	13.2																											41.3		REMOVE 450mm PIPE,REMOVE D.I.
13+89		7.2																												
14+68		8.4																										8.9		REMOVE 450mm PIPE
–DET–																														
13+25																												7.2		TEMPORARY 450mm CS PIPE
SHEET TOTAL	30	15.6				4							2				2			2				2		.66		75.6	2@400mm	

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 JUCTION BOX

RD214495 Thursday September 23 2004 newsum3a WAkabiDavis rd-01oce34