6/20/00

COMPUTED BY: D.M.W. DATE: 9/2004
CHECKED BY: W.C.B. DATE: 12/2004

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2552C	3-J

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 / 1.63	400 / 1.63	450 / 1.63	600 / 1.63	800 / 2.01	800	900 / 2.01	900	1000 / 2.01	1000	1200 / 2.01	C.S. PLAIN PIPE 400 / 1.63	450 / 1.63	BITUMINOUS COATED C.S. PIPE TYPE A 400 / 1.63	450 / 1.63	600 / 1.63	800 / 2.01	900 / 2.01	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) R.C.P. (CM)	C.S.P. (CM)	QUANTITIES: STRUCTURES FOR DRAINAGE *TOTAL M FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') PER EACH (0 THRU 1.50)	METERS A 1.50 THRU 3.00	METERS B 3.00 AND ABOVE	FRAME, GRATES, AND HOOD STD. 840.03 TYPE OF GRATE E	F	G	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & GRATE STD. 840.16	B.A.D.I. (SEE SHEET 2-P)	T.B.D.I. STD. 840.36	T.B.D.I. FRAME WITH STEEL GRATE STD. 840.37	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 FLAT GRATES STD. 840.20	M.D.I. FRAME WITH SAG GRATE STD. 840.22	M.D.I. FRAME WITH TWO SAG GRATES STD. 840.22	M.D.I. (N.S.) FRAME WITH SAG GRATE STD. 840.24	M.D.I. (N.S.) FRAME WITH TWO SAG GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	C.B. STD. 840.01 OR 840.02	O.T.C.B. STD. 840.04 OR 840.05	M.H. STD. 840.51, 840.52 OR 840.53	M.H. FRAME AND COVER STD. 840.54	T.B.J.B. STD. 840.34	800 x 800 x 800mm PERF. C.S.P. TEE RISER 2.01mm THICK	CONVERT EXISTING D.I. OR C.B. TO J.B. (SEE SHEET 2-AC)	375mm BORE AND JACK SPIRAL WELDED STEEL (7mm THICK)	450mm BORE AND JACK SPIRAL WELDED STEEL (8mm THICK)	600mm BORE AND JACK SPIRAL WELDED STEEL (13mm THICK)	ADJUST EXISTING 2GI	MODIFIED CONCRETE FLUME (SEE SHEET 2-AA)	PREFORMED SCOUR HOLE (SEE REMARKS)	C.S. ELBOWS NO.	C.S. ELBOWS SIZE	CONC. COLLARS CL. "B" M3 STD. 840.72	CONC. & BRICK PIPE PLUG, M3 STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
Y7 10+94	LT	–	–																																																																						7.2	
Y9 10+55	RT	–	–																																																																						10.8	
L2 142+00	RT	–	–																																																																						7.2	
L2 142+20	RT	–	–																																																																						8.4	
L2 142+50	RT	–	–																																																																						16.8	
L2 142+55	RT	–	–																																																																						7.2	
L2 142+83	LT	–	–																																																																						8.4	
L2 144+05	LT	–	–																																																																						25.2	
L2 145+68	LT	–	–																																																																							REMOVE EXIST. DI
L2 145+97	RT	–	–																																																																						55.2	
L2 146+47	RT	–	–																																																																						111.6	REMOVE EXIST. DI
L2 148+78	RT	–	–																																																																						146.4	REMOVE EXIST. 2GI
RAMP A 6+29	CL	–	–																																																																						67.2	REMOVE EXIST. DI; REMOVE EXIST. JB
RAMP A 6+38	CL	–	–																																																																						24	
RAMP A 2+85	LT	–	–																																																																						18	
LOOP C 1+05	LT	–	–																																																																						20.4	
LOOP C 1+30	LT	–	–																																																																						25.2	REMOVE EXIST. 2GI
LOOP C 1+69	LT	–	–																																																																						18	REMOVE EXIST. 2GI
RAMP C 8+00	CL	–	–																																																																						32.4	
SHEET TOTAL																																																																													609.6	

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.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
O.T.C.B.	OPEN THROATED CATCH BASIN

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dwheatley AT WSRAL-NEMO