6/20/00

COMPUTED BY: K. DUNN KVD DATE: APRIL 7, 2004
CHECKED BY: J. JATKO JJ DATE: APRIL 7, 2004

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2514A	3-B

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200 mm & 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) SIZE	300	375	450	600	750	900	1050	1200	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) SIZE	300	400	450	600	800	900	1000	1200
								THICKNESS OR GAUGE									1.63	1.63	1.63	1.63	2.01	2.01	2.77	2.77
SHEET 6 CONT.																									
107+15	RT	30										22.0													
107+50	RT		31		11.10	10.70																			
107+50	LT	31	32	12.30	10.70	10.41						28.0													
108+00	LT																								
SHEET 7																									
108+70	LT	33																							
109+18	LT	34																							
100+22	LT	35																							
110+45	RT	36	37	13.19	12.61	12.50				22.6															
100+62	LT	38																							
111+02	LT	39																							
SHEET 8																									
111+85	LT	41	40	13.15	12.28	12.27				3.0															
111+97.3	LT	42	41	13.15	12.31	12.28				11.4															
112+00	CL	43		12.82	11.51	10.60					6.0														
114+78	LT	45	44	13.80	11.37	11.15					19.0														
114+78	RT		45		12.50	11.37					25.2														
SHEET 10																									
119+57	LT	47	46	13.24	11.64	11.59	✓						23.5												
119+57	RT		47		12.50	11.64							23.0												
SHEET 11																									
123+40	RT	49	50	13.86	13.05	12.94				24.3															
SHEET 12																									
125+68	LT	52	51	14.07	12.11	11.90						19.6													
125+68	RT		52		12.40	12.11						26.5													
128+10	RT	53	54	14.41	13.60	13.48				21.0															
SHEET 13																									
130+20	RT	55	56	14.08	13.27	13.02				25.5															
SHEET 14																									
132+60	LT	58	57	14.07	11.98	11.75								24.5											
132+60	RT		58		12.26	11.98								27.5											
SHEET 15																									
135+40	CL	59	61	13.96	13.40	13.04				65.0															
136+06	LT	61	60	13.96	12.81	12.34						23.5													
136+06	RT		61		12.86	12.81						27.5													
136+60	CL	62	61	13.96	13.40	13.04				54.0															
SHEET 3-B TOTAL										226.8	50.2	147.1	46.5	52.0											

	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) SIZE	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.	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. METERS C.S.P.	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	METERS 1.50 THRU 3.00 A	METERS 3.00 AND ABOVE B	FOR DRAINAGE TOTAL M. FOR PAY QUANTITY SHALL BE COL. A + [0.3 X COL. B]	C.B. STD. 840.01 OR 840.02	FRAME, GRATES, AND HOOD STD. 840.03 TYPE OF GRATE E	F	G
SHEET 6 CONT.														
107+15			6.8											
107+50														
107+50							1	0.10						
108+00														
SHEET 7														
108+70			20.0											
109+18		24.5												
100+22		6.8												
110+45							1							
100+62		14.6												
111+02			6.0											
SHEET 8														
111+85							1							
111+97.3							1							
112+00							1							
114+78							1	0.93						
114+78														
SHEET 10														
119+57							1							
119+57														
SHEET 11														
123+40							1							
SHEET 12														
125+68							1	0.46						
125+68														
128+10							1							
SHEET 13														
130+20							1							
SHEET 14														
132+60					2.6		1	0.59						
132+60														
SHEET 15														
135+40														
136+06														
136+06														
136+60														
SHEET 3-B TOTAL		45.9	32.8		2.6		12	2.08						

	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 GRATE STD. 840.24	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	T.B.J.B. STD. 840.34	M.H. STD. 840.51 OR 840.53	M.H. FRAME & COVER STD. 840.54	FLOWABLE FILL (M^3)	M.D.I. FRAME WITH TWO GRATES STD. 840.20	CONV. EXIST. J.B. TO D.I.	MODIFIED CONCRETE FLUME	300mm X 450mm X 450mm TEE	300 mm TEMPORARY PIPE (PLAIN C.S.)	450 mm TEMPORARY PIPE (PLAIN C.S.)	600 mm TEMPORARY PIPE (PLAIN C.S.)	800 mm TEMPORARY PIPE (PLAIN C.S.)	900 mm TEMPORARY PIPE (PLAIN C.S.)	CORR. STEEL ELBOW NO. & SIZE	PREFORMED SCOUR HOLES	CONC. COLLARS, CL. "B" m^3 STD.840.72	CONC. & BRICK PIPE PLUG m^3 STD.840.71	PIPE REMOVAL (meters)	REMARKS
SHEET 6 CONT.																												
107+15																										11.1		
107+50				1		1															2			0.40				
107+50																										19.5		
108+00																												
SHEET 7																												
108+70																										18.5		
109+18																										24.5		
100+22																												
110+45					1	1																						
100+62																										14.6		
111+02																										5.1		
SHEET 8																												
111+85				1											1									1				
111+97.3				1											1													
112+00				1		1																						
114+78				1		1														1				0.33				
114+78																												
SHEET 10																												
119+57		1			1	1															2			0.48				
119+57																												
SHEET 11																												
123+40				1		1																						
SHEET 12																												
125+68				1		1																						
125+68																												
128+10				1		1																						
SHEET 13																												
130+20				1		1																						
SHEET 14																												
132+60				1		1															2			0.56				
132+60																												
SHEET 15																												
135+40					1	1																						
136+06				1		1															2			0.40				
136+06																												
136+60					1	1																						
SHEET 3-B TOTAL		1	11	3	1	13									2			1	4	2	2			1	2.17	93.3		

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

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C:\DOCUME~1\jjatko\LOCALS~1\Temp\AcPublish_1472\LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200 mm & UNDER).dwg