6/20/02

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

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

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
								THICKNESS OR GAUGE								
SHEET 16																
140+60	LT	64	63	14.21	12.41	12.33						24.5				
140+60	RT		63		12.50	12.41						26.5				
SHEET 17																
142+40	RT	65	66	13.89	13.33	13.25				23.5						
144+40	LT	68	67	13.99	12.66	12.54						23.0				
144+40	RT		68		12.79	12.66						25.0				
SHEET 18																
146+20	RT	69	70	14.07	13.51	13.25				24.0						
SHEET 19																
148+26	LT	72	71	14.37	12.95	12.40						23.0				
148+26	RT		72		13.01	12.95						24.5				
149+00	RT	73	74	14.33	13.77	13.65				20.0						
SHEET 20																
152+40	CL	75	76	13.88	13.17	12.93					79.0					
153+20	CL	76	77	14.10	12.93	12.82					39.0					
153+60	RT	77	78	14.45	12.82	12.69					26.2					
154+50	RT	79	80	14.34	13.50	12.56				27.2						
SHEET 21																
156+80	RT	81	82	13.83	13.02	12.21				27.3						
SHEET 22																
160+80	RT	83	84	13.47	12.66	11.61				26.5						
161+45	CL	85		13.63	12.82	12.00				9.0						
161+51	RT	86	87	14.25	13.44	12.10								23.5		
SHEET 23																
162+30	LT	89	88	14.04	13.20	12.90				6.5						
162+30	RT	90	91	13.68	13.12	13.00				22.5						
163+97	LT	93	92	13.23	11.60	11.55								23.5		
163+97	RT		93		11.87	11.60								22.0		
164+05	RT															
164+42	LT															
SHEET 24																
166+40	RT	94	95	13.24	12.68	12.56				21.5						
SHEET 25																
169+60	RT	97	98	13.24	12.68	12.41				22.5						
169+80	RT	99														
SHEET 3-C TOTAL										230.5	144.2	146.5		45.5		

STATION	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 16									
140+60	LT								
140+60	RT								
SHEET 17									
142+40	RT								
144+40	LT								
144+40	RT								
SHEET 18									
146+20	RT								
SHEET 19									
148+26	LT								
148+26	RT								
149+00	RT								
SHEET 20									
152+40	CL								
153+20	CL								
153+60	RT								
154+50	RT								
SHEET 21									
156+80	RT								
SHEET 22									
160+80	RT								
161+45	CL								
161+51	RT	8.5							
SHEET 23									
162+30	LT								
162+30	RT								
163+97	LT								
163+97	RT								
164+05	RT								
164+42	LT								
SHEET 24									
166+40	RT								
SHEET 25									
169+60	RT								
169+80	RT				7.0				
SHEET 3-C TOTAL		8.5			7.0				

STATION	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 FOR DRAINAGE TOTAL M FOR PAY QUANTITY SHALL BE COL. "A" + (3 X COL. "B") METERS A	METERS B	C.B. STD. 840.01 OR 840.02	FRAME, GRATES AND HOOD STD. 840.03 TYPE OF GRATE E	F	G
			PER EACH (0 THRU 1.50	1.50 THRU 3.00				
SHEET 16								
140+60			1	0.30				
140+60								
SHEET 17								
142+40			1					
144+40			1					
144+40								
SHEET 18								
146+20			1					
SHEET 19								
148+26			1					
148+26								
149+00			1					
SHEET 20								
152+40			1					
153+20			1					
153+60			1	0.13				
154+50			1					
SHEET 21								
156+80			1					
SHEET 22								
160+80			1					
161+45			1					
161+51			1					
SHEET 23								
162+30			1					
162+30			1					
163+97			1	0.13				
163+97								
164+05								
164+42								
SHEET 24								
166+40			1					
SHEET 25								
169+60			1					
169+80		7.0						
SHEET 3-C TOTAL		7.0	19	0.56				

STATION	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 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 16																												
140+60				1			1																					
140+60																												
SHEET 17																												
142+40					1		1																					
144+40				1			1																					
144+40																												
SHEET 18																												
146+20					1		1																					
SHEET 19																												
148+26				1			1															2						
148+26																												
149+00					1		1																			1		
SHEET 20																												
152+40					1		1																					
153+20				1			1																					
153+60				1			1																					
154+50				1			1																					
SHEET 21																												
156+80				1			1																					
SHEET 22																												
160+80				1			1																					
161+45				1			1																					
161+51				1											1										2-400			
SHEET 23																												
162+30				1											1											1		
162+30					1		1																					
163+97				1			1																					
163+97																												
164+05																											3.7	
164+42																											8	
SHEET 24																												
166+40					1		1																					
SHEET 25																												
169+60					1		1																					
169+80																												
SHEET 3-C TOTAL				12	7		17								2							2			2-400	2	0.40	11.7	

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

06-APR-2004 16:43
w:\r2514a\r01 (r-2514a hood)\r-2514a-rdy-sum-3c.dgn
dgn\CAD\r2514a\r01 (r-2514a hood)\r-2514a-rdy-sum-3c.dgn