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-K

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

SHEET TOTALS

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) 375	450	600	750	900	1050	1200
SHEET 3-A TOTAL								243.6	42.0	126.0	36.0	54.0		
SHEET 3-B TOTAL								250.8	117.6	45.6	21.6			
													123.6 (CL IV)	
												88.5 (CL IV)		
SHEET 3-C TOTAL								288.0	160.8	88.8				76.8
SHEET 3-D TOTAL								135.6	103.2	38.4	51.6	170.4	57.6	63.6
SHEET 3-E TOTAL								299.6		188.4	138.0			
											68.4 (CL IV)			
										176.4 (CL IV)				
SHEET 3-F TOTAL								165.6	40.8	87.6	156.0	34.8		26.4
									57.6 (CL IV)					
SHEET 3-G TOTAL								321.6	124.8	159.6	22.8	6.0	9.6	6.0
SHEET 3-H TOTAL								429.6	61.2	42.0	316.8			
SHEET 3-I TOTAL								69.6			42.0			
SHEET 3-J TOTAL														
SHEET 3-L TOTAL														
GRAND TOTAL ALL SHEETS								2204.0	650.4	776.4	784.8	265.2	67.2	172.8
									57.6	176.4	68.4	88.5	123.6	
									(CL IV)	(CL IV)	(CL IV)	(CL IV)	(CL IV)	

STATION	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)	900 (2.01)	1000 (2.01)	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 PER EACH (0 THRU 1.50)	FOR DRAINAGE *TOTAL M FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') METERS A 1.50 THRU 3.00	B 3.00 AND ABOVE
SHEET 3-A TOTAL											224.4			51.6						1.5	22	2.28	
SHEET 3-B TOTAL											99.6	14.4				6.0	9.6		6.0		19	2.97	
SHEET 3-C TOTAL											27.6	14.4							4.6		21	1.63	
SHEET 3-D TOTAL											108.0		8.4		7.2				4.6		21	1.32	
SHEET 3-E TOTAL											94.8					25.2		7.2			20	2.35	0.12
SHEET 3-F TOTAL											111.6					8.4			8.0		18	1.95	
SHEET 3-G TOTAL											46.8					34.8	25.2		8.0		18	1.06	
SHEET 3-H TOTAL									14.4							36.0					19	0.63	
SHEET 3-I TOTAL									19.2	22.8											5	0.1	
SHEET 3-J TOTAL																							
SHEET 3-L TOTAL																							
GRAND TOTAL ALL SHEETS									33.6	22.8	712.8	28.8	8.4	51.6	7.2	110.4	34.8	7.2	31.2	1.5	163	14.66	0.12

STATION	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 NUMBER	SIZE	CONC. COLLARS CL. "B" M3 STD. 840.72	CONC. & BRICK PIPE PLUG, M3 STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
SHEET 3-A TOTAL							1	1	4	13		3		14			3		1		3								1	2	14	400				
SHEET 3-B TOTAL									2	17		11		8															2	2	12	400			31.2	
																															2	450				
SHEET 3-C TOTAL									4	15	2	5		16																2	3	400			21.6	
																															1	450				
SHEET 3-D TOTAL	1	1	1			1			4	13		5		13				3													10	400				
																															1	600				
																															1	900				
SHEET 3-E TOTAL									3	14	3	4	1	15		1															8	400	1.25		7.2	
SHEET 3-F TOTAL	1	1	1			1			1	11	2	7		8				3													10	400		0.20	58.8	
SHEET 3-G TOTAL									2	13	2	4	1	13								1			26.4		22.8	6		1	6	400	3.22	0.10	135.6	
SHEET 3-H TOTAL				2	2				2	9	3			10		4	1				2	1		1	27.6	15.6	28.8			1			1.42	0.25	217.2	
SHEET 3-I TOTAL									1	2	2			2		3																		0.42	525.6	
SHEET 3-J TOTAL																																			609.2	
SHEET 3-L TOTAL																																	2.49		27.6	
GRAND TOTAL ALL SHEETS	2	2	2	2	2	2	1	1	23	107	14	39	2	99		8	4	6	1		5	2		1	54	15.6	51.6	6	3	8	63	400	8.38	0.97	1634.0	
																															3	450				
																															1	600				
																															1	900				

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

17-MAR-2005 09:52
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dwheatley AT WSRAL-NEMO