RD212306

COMPUTED BY:	TCE TO, RPS	DATE:	5/1/2004
CHECKED BY:	SEC, REO	DATE:	6/1/2004

METRIC

PROJECT NO.	SHEET NO.
R-2206C	3-B

DIVISION OF HIGHWAYS

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

STATION	LOCATION (LT, RT, M, 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	450 CLASS IV	600	600 CLASS IV	750	750 CLASS IV	900	900 CLASS IV	1050	1050 CLASS IV	1200	1200 CLASS IV	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 400 1.63	450 1.63	600 1.63	600	800 2.01	800	1000 2.01	1000	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.	C.S.P.
SIZE / THICKNESS OR GAUGE																																	
SHEET 7																																	
L 191+40	LT	20		246.200																													
L 191+40	LT	20	20A		241.000	236.570									38.4																		
L 191+60	LT	21		248.710																													
L 191+60	LT	21	20		247.900	245.285		20.4																									
L 191+65	CL	22	20		242.536	241.000										93.6																2.6	
SHEET 8																																	
L 192+35	RT	23		251.244																													
L 192+35	RT	23	OUT		250.431	243.000															34.8												
L 193+70	LT	24		253.289																													
L 193+70	LT	24	OUT		252.057	251.800			13.2																								
L 193+70	CL	25		253.401																													
L 193+70	CL	25	24		252.350	252.107			24.0																								
L 194+40	CL	26		254.235																													
L 194+40	CL	26	25		252.955	252.400			70.8																								
L 194+40	RT	27		254.020																													
L 194+40	RT	27	26		253.131	253.005			25.2																								
L 194+40	RT	28	27		261.000	253.181																18.0											
SHEET 9																																	
L 195+10	LT	29																															
L 195+18	CL	30	OUT		250.600	245.500						85.2																					
Y11 12+74	RT	31		264.834																													
Y11 12+74	RT	31	OUT		264.021	260.494															20.4												
L 196+45	RT	32	OUT		256.400	252.000																13.2											
L 196+62	RT	IN	33		252.000	251.600					7.2																						
L 196+62	RT	33		253.455																													
L 196+62	RT	33	OUT		251.600	248.263					62.4																						
SHEET 10																																	
L 197+90	CL	34		251.396																													
L 197+90	CL	34	35		250.836	250.426		25.2																									
L 197+90	RT	35		251.189																													
L 197+90	RT	35	OUT		250.376	249.800																10.8											
L 199+00	CL	36		248.876																													
L 199+00	CL	36	37		247.666	247.400		19.2																									
L 199+00	RT	37		249.086																													
L 199+00	RT	37	OUT		247.350	243.100															18.0												
L 199+20	RT	38	OUT		243.100	232.200																	37.2										
SHEET TOTALS								64.8	133.2	0.0	69.6	85.2	0.0	0.0	38.4	93.6	0.0	0.0	0.0	0.0	73.2	42.0	37.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0

STATION	QUANITIES FOR DRAINAGE STRUCTURES PER EACH (0 THRU 1.50)	*TOTAL L.M. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') METERS A 1.5 THRU 3.00	METERS B 3.00 AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND 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. 840.29	J.B. STD. 840.31 OR 840.32	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND COVER STD. 840.54	B.D.O. STD. 850.10	B.D.O. STD. 850.11	SPRING BOX STD. 840.41	150 mm PVC (m)	450 mm TEE-RISER STD. 1630.01	600 mm TEE-RISER STD. 1630.01	T.B.D.I. STD. 840.35	JB STD. 840.34	REINFORCED TAPERED INLET - SEE SHEET 2-V	TEMP. STEEL COVER	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" M³ STD. 840.72	CLASS "B", M³ CONC. ENDWALL FOR TAPERED INLET SEE SHEET 2-W.	PIPE REMOVAL (METERS)	REMARKS
SHEET 7																																	
L 191+40	1															1		1															
L 191+40																																	EW RT.
L 191+60	1										1			1																			
L 191+60																																	
L 191+65																																	
SHEET 8																																	
L 192+35	1										1			1																			
L 192+35																													2 @ 400				
L 193+70	1										1				1																		
L 193+70																																	
L 193+70	1										1				1																		
L 193+70																																	
L 194+40	1										1				1																		
L 194+40																																	
L 194+40	1										1			1																			
L 194+40																																	
L 194+40																			1										2 @ 450				
SHEET 9																																	
L 195+10	1																				1	36											SPRING BOX LT.
L 195+18																																	
Y11 12+74	1										1			1																			
Y11 12+74																													2 @ 400				
L 196+45																													2 @ 450				
L 196+62																																	
L 196+62	1	0.355									1			1																			
L 196+62																																	
SHEET 10																																	
L 197+90	1										1			1																			
L 197+90																																	
L 197+90	1										1			1																			
L 197+90																													2 @ 450				
L 199+00	1										1			1																			
L 199+00																																	
L 199+00	1																								1			1					2 G.I. w/ FUTURE FLAT GRATES
L 199+00																													2 @ 400				
L 199+20																													2 @ 600				
SHEET TOTALS	14	0.355	0.000	0	0	0	0	0	0	0	11	0	0	8	3	1	0	1	1	0	1	36	0	0	1	0	0	1	6@400,6@450 2@600	0.0	0.0	0.0	

ABBREVIATIONS

C.B.	CATCH BASIN
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
B.D.O.	BERM DRAINAGE OUTLET