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-J

R0212306

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) SIZE 375	450	450	600	600	750	750	900	900	1050	1050	1200	1200
THICKNESS OR GAUGE										CLASS IV		CLASS IV		CLASS IV		CLASS IV		CLASS IV		CLASS IV
SHEET 28																				
L 261+90	LT	178		294.588																
L 261+90	LT	178	OUT		292.937	289.200														
L 261+90	CL	179		293.893																
L 261+90	CL	179	178		293.083	292.987		19.2												
L 262+06	CL	180	OUT		289.700	282.700						76.8								
L 262+80	LT	181		297.044																
L 262+80	LT	181	OUT		295.450	292.000														
L 262+80	CL	182		297.212																
L 262+80	CL	182	181		296.142	295.500					19.2									
L 262+97	CL	183	OUT		289.250	279.727										109.2				
SHEET 29																				
L 263+71	CL	184	OUT		287.180	280.442												174.0		
L 264+20	LT	185		302.851																
L 264+20	LT	185	186		302.041	301.524		19.2												
L 264+20	CL	186		302.339																
L 264+20	CL	186	182		301.449	296.292			140.4											
L 266+25	LT	187		308.720																
L 266+25	LT	187	OUT		306.810	287.500												116.4		
SHEET 30																				
Y16 13+67	LT	188		311.506																
Y16 13+67	LT	188A																		
Y16 13+67	LT	188	188A		309.735	309.646											12.0			
Y16 13+67	LT	188	187		309.596	306.860											78.0			
L 267+20	CL	189		312.514																
L 267+20	CL	189	188		311.704	310.321		39.6												
Y17 10+64	CL	190	OUT		305.500	291.500														
Y16 12+98	RT	191																		
Y16 12+98	RT	191	192		321.500	316.405														
Y16 12+98	RT	192		316.995																
Y16 12+98	RT	192	OUT		316.355	315.682			20.4											
Y16 12+47	CL	193	OUT		321.320	320.600											36.0			
SHEET TOTALS								78.0	160.8	0.0	19.2	76.8	0.0	0.0	0.0	109.2	126.0	290.4	0.0	0.0

STATION	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) SIZE 400	450	600	600	800	800	1000	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.	QUANITIES FOR DRAINAGE STRUCTURES PER EACH (0 THRU 1.50)	METERS A 1.5 THRU 3.00	METERS B 3.00 AND ABOVE	"TOTAL L.M. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B')	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" M^3 STD. 840.72	CONC. ENDWALL FOR TAPERED INLET SEE SHEET 2-W. CLASS "B", M^3.	PIPE REMOVAL (METERS)	REMARKS
SHEET 28																																												
L 261+90														1	0.151																					1							2 G.I. w/ FUTURE FLAT GRATES
L 261+90	12.0																																							2 @ 400				
L 261+90														1												1			1														
L 261+90																																												
L 262+06																																												METHOD 'B' INSTALLATION
L 262+80														1																						1			1				2 G.I. w/ FUTURE FLAT GRATES
L 262+80			15.6																																					2 @ 600			
L 262+80														1												1			1														
L 262+80																																												
L 262+97												3.4																																METHOD 'B' INSTALLATION
SHEET 29																																												
L 263+71																																						1				6.7		MEHTOD 'B' INSTALLATION - IMPROVED - INLET
L 264+20														1																						1			1				2 G.I. w/ FUTURE FLAT GRATES
L 264+20																																												
L 264+20														1											1				1														
L 264+20																																												
L 266+25														1	1.41									1			1																
L 266+25																																												METHOD 'B' INSTALLATION
SHEET 30																																												
Y16 13+67														1	0.41									1			1																
Y16 13+67												3.4																																
Y16 13+67								12.0																																				
Y16 13+67								78.0																																				
L 267+20														1											1			1																
L 267+20																																												
Y17 10+64		85.2																																										
Y16 12+98																																		1										
Y16 12+98	10.8																																							2 @ 450				
Y16 12+98														1											1			1																
Y16 12+98																																												
Y16 12+47								36.0				3.4																																EW LT.
SHEET TOTALS	12.0	10.8	100.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	0.0	10	1.971	0.000	0	0	0	0	0	0	2	5	0	0	5	2	0	0	0	1	0	0	0	0	0	3	0	1	3	2@400, 2@450, 2@600	0.0	6.7	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