APPENDIX D-4

Watermains

DESCRIPTION	DIAMETER (mm)	LENGTH (m)	QUANTITY	UNIT PRICE ($)	CONST YEAR	USEFUL LIFE (YRS)	HISTORIC COST	2013 Replacement Cost (inflation accounted)	*Replacement Cost ($/unit)	2013 Replacement Cost	REMAINING LIFE (YRS)	% Useful Life Remaining (based on age)	Condition/Probability of Failure (1 = good/not likely, 5 = poor/likely)	Consequence of Failure (1 = low, 5 = high)	Inst Year	Useful Life	Risk	Timing of First Replacement-Based on Risk	Timing of First Replacement-Based on life cycle	Timing of First Replacement
Water Main	250	1197		200	2005	100	$ 239,400.00	$ 303,264.76	450	$ 538,650.00	92	92%	1	5	2005	80	5	based on life cycle	2085	2085
Water Main	200	4800		190	2005	100	$ 912,000.00	$ 1,155,294.31	400	$ 1,920,000.00	92	92%	1	4	2005	80	4	based on life cycle	2085	2085
Water Main	150	366		180	2005	100	$ 65,880.00	$ 83,454.81	300	$ 109,800.00	92	92%	1	3	2005	80	3	based on life cycle	2085	2085
Water Main	100	5		170	2005	100	$ 850.00	$ 1,076.75	400	$ 2,000.00	92	92%	1	2	2005	80	2	based on life cycle	2085	2085
Water Servicing Piping	19	1992		150	2005	100	$ 298,800.00	$ 378,510.90	250	$ 498,000.00	92	92%	1	1	2005	80	1	based on life cycle	2085	2085
Water Servicing Piping	25	20		200	2005	100	$ 4,000.00	$ 5,067.08	275	$ 5,500.00	92	92%	1	1	2005	80	1	based on life cycle	2085	2085
Water Servicing Piping	50	58		300	2005	100	$ 17,400.00	$ 22,041.80	350	$ 20,300.00	92	92%	1	1	2005	80	1	based on life cycle	2085	2085
Water Course Crossing - George St			1	20000	2005	100	$ 20,000.00	$ 25,335.40		$ 25,335.40	92	92%	1	5	2005	80	5	based on life cycle	2085	2085
Water Course Crossing - Church St			1	10000	2005	100	$ 10,000.00	$ 12,667.70		$ 12,667.70	92	92%	1	5	2005	80	5	based on life cycle	2085	2085
Water Course Crossing - Rutledge Rd			1	10000	2005	100	$ 10,000.00	$ 12,667.70		$ 12,667.70	92	92%	1	5	2005	80	5	based on life cycle	2085	2085
Fire Hydrant Set			34	4000	2005	100	$ 136,000.00	$ 172,280.73		$ 172,280.73	92	92%	1	1	2005	80	1	based on life cycle	2085	2085
		6368								$ 3,317,201.53										