

2015 Water and Wastewater Rate Study

As Submitted to Town Council
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1. Introduction

1.1 Objective

The purpose of this document is to update Water and Wastewater rates and charges to ensure a full cost recovery of water and wastewater services.

Full cost recovery is the generation of sufficient revenues to cover the cost of providing water and wastewater services which includes operations, capital works and the appropriate reserve contributions necessary for asset lifecycle replacement and growth.

1.2 Background

The Town of Tecumseh, located in the northwest corner of Essex County on the south shoreline of Lake St. Clair, has a population of 23,610 (Statistics Canada, 2011 Census). Water service is provided to all parts of Tecumseh. Wastewater service is provided to most of the Town, with two remaining service areas in Oldcastle that will be brought online over the next number of years.

The majority of the Town's residents utilize municipal water and wastewater services. The Town also provides water service to a portion of Lakeshore under the Lakeshore Water Agreement, By-law 2003-37. As of year-end 2014, there were 8,816 metered water customers and 7,811 wastewater customers. The residential/non-residential split is shown in Table 1.1.

Table 1.1
Customer/Volume Breakdown
2014 Year-End

Water	Customers		Volume m³	
Residential	8,138	92%	1,891,676	64%
Non-Residential	678	8%	1,046,622	36%
Total	8,816	100%	2,938,298	100%

Wastewater	Customers		Volume m³	
Residential	7,494	96%	1,728,958	70%
Non-Residential	317	4%	727,988	30%
Total	7,811	100%	2,456,946	100%

As evident above, residential customers form the major part of the customer base and account for roughly 2/3 of the consumption volume.

Water and wastewater are billed on a fixed charge and volume basis. Current rates are as follows:

Table 1.2

2015 Rates - By-law 2015-02

	Water Charges			Wastewater Charges	
	Fixed	Volume		Fixed	Volume
	Meter Size Monthly	Monthly < 10,200 m ³ Per m ³	Monthly > 10,200 m ³ Per m ³	Meter Size Monthly	All usage Per m ³
5/8" and 3/4"	\$11.91	\$1.1550	\$0.8350	\$11.91	\$1.1397
1"	\$20.66	\$1.1550	\$0.8350	\$20.66	\$1.1397
1 1/2"	\$40.56	\$1.1550	\$0.8350	\$40.56	\$1.1397
2"	\$60.43	\$1.1550	\$0.8350	\$60.43	\$1.1397
3"	\$101.46	\$1.1550	\$0.8350	\$101.46	\$1.1397
4"	\$163.77	\$1.1550	\$0.8350	\$163.77	\$1.1397
6"	\$291.23	\$1.1550	\$0.8350	\$291.23	\$1.1397

The wastewater collection and treatment charge for the Town's 'Large Consumer' is at \$0.7598 per cubic meter.

Lakeshore Water Agreement - By-law 2003-37

	Water Charges	
	Fixed	Volume
	Monthly	Per m ³
Area A	\$50.00	\$1.1550
Area D	\$50.00	\$1.5015
Area E	\$50.00	\$1.5015

The Town of Tecumseh purchases water from the City of Windsor. The A.H. Weeks Water Treatment Plant (WTP), the trunk transmission mains, the pumping stations, and reservoirs in the City of Windsor are owned and operated by Enwin. The Town of Tecumseh owns and operates the distribution system within the Town, including metering facilities at the Town boundary. Presently, there are 216 km of watermain; 1,198 hydrants; 1,500 valves; and 12 boundary meters. The Town also owns and operates one elevated storage facility with a capacity of 4,540 m³ and two (2) water filling stations. The boundary meters and the water tower are monitored using a Supervisory Control and Data Acquisition (SCADA) system, measuring flow, volume, and pressure. The current replacement cost of the water distribution system is \$123.4 million.

The Town also purchases wastewater treatment from the City of Windsor. Sanitary sewage flows are treated at the Lou Romano Water Reclamation Plant (LRWRP) and the Little River Pollution Control Plant (LRPCP) both of which are owned and operated by the City of Windsor. The Town of Tecumseh owns and operates the wastewater collection system within the Town's boundaries, which provide conveyance of the Town's wastewater to the outlets to the City of Windsor. Presently, there are 111 km of sanitary sewers; 1,452 manholes; four pumping stations and six metering stations. The current replacement cost of the wastewater sewer system is \$121.8 million.

1.3 Applicable Provincial Legislation

The Town of Tecumseh is bound by the following Provincial requirements that govern water and, in some cases, wastewater systems:

The Safe Drinking Water Act, 2002

- The purpose of this Act is the protection of human health through the testing and regulation of drinking water systems.
- Regulations under this Act include, but are not limited to, the following:
 - O. Reg. 169/03 – Sets out the drinking water standards for the purposes of the Act.
 - O. Reg. 170/03 – Sets out operational and reporting requirements for municipalities.
 - O. Reg. 188/07 – Requirement for municipalities to obtain licences for their water systems.
 - O. Reg. 453/07 – Financial plans must be prepared as a condition for the renewal of water system licences. Plans must show the system to be financially viable, be approved by a resolution of council, and apply for a period of six years.

Bill 72, The Water Opportunities and Conservation Act, 2010

- Received Royal Assent in 2010; regulations still to be enacted.
- Sets out public sector requirements, provides for municipal water sustainability plans and performance indicators/targets.

Bill 13, Sustainable Water and Waste Water Systems Improvement and Maintenance Act, 2010

- Received first reading; still to be passed.
- The purpose of this Act is to ensure full cost recovery of water and wastewater services and encourage transparency.

The Municipal Act, 2001

- Part VII deals with reserve funds for liabilities, which applies to water and wastewater systems.
- Part XII permits municipalities to establish fees for capital cost recovery.
- O. Reg. 586/06 deals with Local Improvement charges for capital works projects.

The Development Charges Act, 1997

- As per c. 27, s. 2 (1) of the Act, “the council of a municipality may by by-law impose development charges against land to pay for increased capital costs required because of increased needs for services arising from development of the area to which the by-law applies”. Water and wastewater services are eligible for inclusion as part of the development charge calculation.
- The government is currently reviewing amendments to the Development Charges Act. The proposed changes intend to improve transparency and accountability by enhancing reporting

requirements and requiring municipalities to integrate development charges with long-term asset management plans.

1.4 Rate Structures

The rate structure used by the vast majority of municipalities is a combination of a fixed charge rate and a volumetric charge rate.

The fixed charge rate is generally a set charge per customer for each billing period based on meter size.

The most common volumetric rate charge structures used by municipalities are:

- Uniform Rate – A single volumetric rate for all customers.
- Decreasing Block Rate – Volumetric rate that decreases in steps as consumption increases; often employed where there are heavy commercial or industrial users.
- Increasing Block Rate – Volumetric rate that increases in steps as consumption increases. High volume users are charged the highest rate.
- Humpback Rate – Uses a combination of increasing and decreasing block rates. Rates increase and then decrease in steps as consumption increases. With this structure, rates decrease for the highest volume customers.

All of these rate structures are currently being used in Ontario as per the BMA Municipal Study 2014. Of the municipalities that participated in the BMA Study, the uniform rate was the most common.

Ultimately, selection of a rate structure is driven by a municipality's goals and objectives and is a matter of individual municipal policy.

2. Approach

2.1 Full Cost Recovery

As previously noted, the purpose of this document is to update Water and Wastewater rates and charges to ensure a full cost recovery of water and wastewater services. This requires a ten-year projection of the operating and capital budgets and the reserve contributions necessary for asset lifecycle replacements.

The following are the steps that were taken to determine the full cost of providing water and wastewater services, and the rates/charges required for a complete recovery of these costs.

1. Customer growth forecast
2. Volume forecast
3. Determine asset lifecycle replacement
4. Reserve fund analysis
5. Capital budget including debt review
6. Operating budget
7. Rate sensitivity analysis
8. Proposed rates

The sections contained within this Rate Study follow this same logical order with the hopes of guiding the reader through the full cost recovery determination process.

2.2 Data Sources

Sources of data used in the full cost calculation are as follows:

Table 2.1

Element	Data Source
Operating Revenues & Costs	-2015 Approved Operating Budget for the current and outlook years
Capital Cost Projections	-2015 Approved Capital Budget -2015-2019 Public Works & Environmental Services Capital Works Plan -2015-2024 Ten Year Fleet Replacement Schedule -2015-2019 Buildings Five Year Capital Expenditure Forecast -2010 Water & Wastewater Master Plan updated in 2011 & 2013 (Watson & Associates Economists Ltd.) -2009 Oldcastle Hamlet Wastewater Servicing Plan (AECOM Limited) -2014 Development Charge Study (Customer Forecast from Watson & Associates Economists Ltd.) -2014 (Ten Year) Asset Management Plan -CityWide Tangible Capital Asset Database (for Facilities)
Reserve Balances	-Internal Year End Schedules
Customer Count Data	-Historical data (Essex Power Corporation)
Volume Data	-Historical data (Essex Power Corporation)
Customer Forecast	-2014 Development Charge Study (Customer Forecast from Watson & Associates Economists Ltd.)
Volume Forecast	-3 Year historical average of volume data (Essex Power Corporation)

3. Customer Growth Forecast

3.1 Current Number of Customers

The Town currently services over 8,800 water and 7,800 wastewater customers. The split between residential and non-residential as of year-end 2014 is as follows:

Table 3.1

Customer Type	# of Customers Water	# of Customers Wastewater
Residential	8,138	7,494
Non-Residential	678	317
Total	8,816	7,811

All water and wastewater customer count data was obtained from the monthly billing statistics received from Essex Power Services Corporation.

3.2 Customer Growth Projections

Growth is a critical factor in developing the forecasts used in this study, especially as it relates to Development Charge (DC) revenues. Estimates that are too high generally result in rates that are too low while estimates that are too low result in rates that are too high.

The growth forecast included in the Town of Tecumseh Development Charge Background Study 2014 (DC Study) was used as a starting point in forecasting growth. The DC Study gave consideration to information such as the Essex County Official Plan Review, Town of Tecumseh Official Plan, previous DC and Rate Studies, historical growth and land available for development.

The Town is currently on the cusp of a change in residential development that has not been seen in over a decade. A transition is occurring from a long period of having limited land available for development to a period where there is a significant inventory of land available.

It was felt that it was prudent to budget growth conservatively in order to ensure full cost recovery. Therefore, we have reduced DC Study growth forecasts for 2016 – 2020 from 200 to 150 units and for 2021 – 2024 from 175 to 125 units annually. Rates can be revisited if actual results differ significantly from estimates.

Water

The existing customer base, comes from the 2014 year-end customer count as shown in Table 3.1 while growth projections are as per above discussion.

Table 3.2 shows the water customer increase over the 2015 – 2024 forecast periods of 1,300 units which is an average of 130 homes per year.

Table 3.2
Water Customer Forecast

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	8,816	8,816	8,816	8,816	8,816	8,816	8,816	8,816	8,816	8,816
Growth ¹	50	200	350	500	650	800	925	1,050	1,175	1,300
Total	8,866	9,016	9,166	9,316	9,466	9,616	9,741	9,866	9,991	10,116

¹ Cumulative over forecast period

Wastewater

The existing customer base comes from the 2014 year-end customer count as shown in Table 3.1. ‘Growth for existing’ figures are the same as shown in Table 3.2 as it is assumed that new development will have both water and wastewater services. Growth estimates for servicing the North Talbot Road Outlet Sewer Area and the 8th Concession Road Outlet Sewer Area were obtained from the 2009 Oldcastle Hamlet Wastewater Servicing Plan.

Table 3.3 shows the wastewater customer increase over the 2015 – 2024 forecast periods of 1,536 units which is an average of 154 per year.

Table 3.3
Wastewater System Customer Forecast

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	7,811	7,811	7,811	7,811	7,811	7,811	7,811	7,811	7,811	7,811
Growth for existing ¹	50	200	350	500	650	800	925	1,050	1,175	1,300
North Talbot Road Outlet Sewer Area ¹	22	41	61	78	101	125	125	125	125	125
8th Concession Rd Outlet Sewer Area ¹	-	-	7	7	35	55	73	89	104	111
Total	7,883	8,052	8,229	8,396	8,597	8,791	8,934	9,075	9,215	9,347

¹ Cumulative over forecast period

4. Volume Forecast

Average residential water usage has been on a steady decline for the past few years. The 2010 Rate Study assumed a volume of 300m³ per new residential customer based on the 2009 average of 298m³. Since then volumes have decreased to 265m³ in 2011; 254m³ in 2012; 240m³ in 2013 and 230m³ in 2014. This can likely be attributed to conservation efforts by individual consumers. It is expected that volumes will level off at some point in the near future.

For this Study, a usage of 230m³ per new residential customer has been assumed in order to forecast water and wastewater volumes.

4.1 Water Volume Projection

The volume forecast for Water is as follows:

Table 4.1
Water Volume Forecast (m³)

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing - Tecumseh	2,542,475	2,542,475	2,542,475	2,542,475	2,542,475	2,542,475	2,542,475	2,542,475	2,542,475	2,542,475
Existing - Lakeshore	52,120	52,120	52,120	52,120	52,120	52,120	52,120	52,120	52,120	52,120
Existing - 'Large Consumer'	343,703	343,703	343,703	343,703	343,703	343,703	343,703	343,703	343,703	343,703
Growth	11,500	46,000	80,500	115,000	149,500	184,000	212,750	241,500	270,250	299,000
Projected Volume	2,949,798	2,984,298	3,018,798	3,053,298	3,087,798	3,122,298	3,151,048	3,179,798	3,208,548	3,237,298
Lakeshore Adjustment ¹	10,769	10,769	10,769	10,769	10,769	10,769	10,769	10,769	10,769	10,769
'Large Consumer' Adjustment ²	(70,021)	(70,021)	(70,021)	(70,021)	(70,021)	(70,021)	(70,021)	(70,021)	(70,021)	(70,021)
Total Adjusted Volume Forecast	2,890,546	2,925,046	2,959,546	2,994,046	3,028,546	3,063,046	3,091,796	3,120,546	3,149,296	3,178,046

¹ Volumes adjusted higher to compensate for premium rate (130% of base rate) for Lakeshore Area "D" and "E", Customer codes 156 & 155; respectively.

² Volumes adjusted lower to compensate for declining rate for volumes >10,200 cubic meters per month.

Existing (base) volume is based on the 2014 year-end volume data received from Essex Power.

Growth volume is determined by multiplying the water customer forecast growth found in Table 3.2 by the 2014 average usage of 230m³ noted above. Non-residential volumes are assumed constant.

4.2 Wastewater Volume Projection

The volume forecast for Wastewater is as follows:

Table 4.2
Wastewater Volume Forecast (m³)

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing - Tecumseh	2,113,244	2,113,244	2,113,244	2,113,244	2,113,244	2,113,244	2,113,244	2,113,244	2,113,244	2,113,244
Existing - 'Large Consumer'	343,702	343,702	343,702	343,702	343,702	343,702	343,702	343,702	343,702	343,702
Growth	11,500	46,000	80,500	115,000	149,500	184,000	212,750	241,500	270,250	299,000
North Talbot Road Outlet Sewer Area	5,060	9,430	14,030	17,940	23,230	28,750	28,750	28,750	28,750	28,750
8th Concession Rd Outlet Sewer Area	0	0	1,610	1,610	8,050	12,650	16,790	20,470	23,920	25,530
Projected Volume	2,473,506	2,512,376	2,553,086	2,591,496	2,637,726	2,682,346	2,715,236	2,747,666	2,779,866	2,810,226
'Large Consumer' ¹	(114,567)	(114,567)	(114,567)	(114,567)	(114,567)	(114,567)	(114,567)	(114,567)	(114,567)	(114,567)
Total Adjusted Volume Forecast	2,358,939	2,397,809	2,438,519	2,476,929	2,523,159	2,567,779	2,600,669	2,633,099	2,665,299	2,695,659

¹ Volume adjustment required for 'Large Consumer' to account for wastewater rate differential.

Wastewater volume growth is determined by multiplying the Wastewater System Customer Forecast Growth found in Table 3.3 by the 2014 average usage of 230m³ noted above. The same methodology was used to calculate the increase in volumes due to Oldcastle servicing (North Talbot and 8th Concession). Non-residential volumes are assumed constant.

5. Asset Lifecycle Requirement

Financial planning best practices encompass lifecycle planning which includes funding assets at the end of their useful life. The Town has adopted the practice of including an annual lifecycle requirement (ALR) in the budget. The ALR is a funding contribution to provide funds for the eventual replacement of existing assets. As new assets are added the ALR is increased.

Depreciation recognizes the reduction in the value of an asset through age and use. The Town utilizes the straight-line depreciation method for financial statement purposes. Straight-line depreciation is calculated by taking the historical cost of the asset, less the estimated salvage (disposal) value, divided by the estimated useful life. Depreciation and asset book values are useful for understanding the financial position of the municipality at a given point in time. However, employing historical straight-line depreciation, as calculated for financial reporting, would underestimate the asset replacement requirement. Accordingly, **the Town is using replacement costs in order to determine the annual lifecycle requirement (ALR) for the purpose of this Study.**

The replacement cost of both watermains and sanitary sewers were extracted from the Town's 2014 Asset Management Plan (AMP). These replacement costs were calculated by the Manager Engineering Services using recent purchase/construction cost information for assets/components of similar type, material, and location. Allowances for other costs such as contingency and engineering were incorporated. The 2014 AMP replacement costs were inflated to 2015 dollars using the NRBCPI (Toronto) index. These replacement costs were then compared to recent tender costs to ensure that the estimates were still reasonable.

Facilities historical costs were inflated using the appropriate inflation index where recent replacement cost estimates were unavailable.

The ALR of an asset is calculated by dividing the replacement cost by the estimated useful life. In an ideal scenario the Town would have been following this practice from the initial infrastructure installation. Since this has not occurred an infrastructure gap has been created; the difference between what should have been and what has actually been set aside for infrastructure replacement. Estimates for the water and wastewater infrastructure gap are \$34M and \$64M respectively which is \$98M in total.

To address the infrastructure gap this study looks at the annual "end of useful life lifecycle requirement" (EULLR) determined by dividing the replacement cost by the remaining years of useful life. When inflation is factored in, the calculated EULLR is even greater.

Detailed asset inventories, replacement values and annual lifecycle requirements can be found in Appendices F, G-1 to G-2, H-1 to H-2. Table 5.1 summarizes the total replacement value and annual lifecycle requirement for each category.

Table 5.1
Summary of Water and Wastewater Infrastructure

Asset Category	Value of Assets				Inflated EUL ² Lifecycle Requirement
	Total Replacement Value	Replaced During Forecast Period ¹	Annual Lifecycle Requirement	EUL ² Lifecycle Requirement	
Water					
Facilities	7,083,200	288,600	224,140	604,760	688,703
Vehicles	289,300	321,000	36,205	55,710	62,484
Watermains	123,356,920	7,361,800	1,550,600	3,269,920	4,737,441
Total Water	130,729,420	7,971,400	1,810,945	3,930,390	5,488,629
Wastewater					
Facilities	8,328,000	4,852,700	309,160	1,033,046	1,131,602
Vehicles	289,300	321,000	36,205	55,710	62,484
Sanitary Sewers	121,799,137	483,100	1,873,833	3,980,755	5,372,080
Total Wastewater	130,416,437	5,656,800	2,219,198	5,069,512	6,566,166
Total	261,145,857	13,628,200	4,030,144	8,999,902	12,054,795

¹ Lifecycle replacements only, does not factor in assets added due to growth

² EUL = End of useful life

The ALR, EULLR, inflated EULLR and existing reserve fund balances are all factors considered in determining the appropriate reserve contribution. Other factors to be considered include ability to pay, alternate funding sources and timing of when replacements are required.

The inflated EULLR would be the ultimate goal for the Town but to get there in the term of this study would require rate increases that are unaffordable.

The Town's lack of growth over the previous decade has created a shortfall in DC contributions resulting in a larger than anticipated deficit in the DC Reserve for wastewater services. Sanitary services reserve funds have been used to temporarily fund this deficit.

Water and wastewater infrastructure expected useful life is generally 60 years or more and has typically been installed over a period of time. The review of major replacement requirements indicates that the first large replacement is expected in 2039 when some \$72M will be required to replace sanitary sewers.

All these factors are considered in the rates being recommended in this study.

6. Reserve Funds

A reserve fund is established to account for assets that have been segregated for a specific purpose, either voluntarily or because of legal or contractual reasons. Reserve funds facilitate long term financial planning and permit the Town to finance capital works internally. Water and wastewater reserve funds have been established to ensure that water and wastewater revenues are spent only on the respective systems.

This Study proposes use of the following reserve funds:

- Water Development Charges Reserve Fund – Funds from development charges that have been set aside to finance the capital cost of new water infrastructure needed to service growth.
- Watermain Reserve Fund – To finance the replacement of existing watermains, provide for enhancements to the system and/or cover the portion of growth projects that are not DC-eligible.
- Water Facilities Reserve Fund – To provide for the cost of improvement to or replacement of facilities which currently includes the water tower, metering facilities, and the environmental building.
- Water Vehicle Reserve Fund – To provide for the cost of the water share of vehicle replacements.
- Water Rate Stabilization Reserve Fund – To be used to smooth water rate increase impacts.
- Wastewater Development Charges Reserve Fund – Funds from development charges that have been set aside to finance the capital cost of new wastewater infrastructure needed to service growth.
- Wastewater Reserve Fund – To finance the replacement of existing wastewater sewers, provide for enhancements to the system and/or cover the portion of growth projects that are not DC-eligible.
- Wastewater Facilities Reserve Fund – To provide for the cost of improvement to or replacement of facilities which currently includes pumping stations, flumes, and the environmental building.
- Wastewater Vehicle Reserve Fund – To provide for the cost of the wastewater share of vehicle replacements.
- Wastewater Rate Stabilization Reserve Fund – To smooth wastewater rate increase impacts.

6.1 Development Charge Reserve Funds

Beginning and ending development charge reserve fund balances over the study period are as follows:

Table 6.1
Development Charge Reserve Funds

Reserve Fund	Ending Balance	
	2014 Actual	2024 Forecast
Water Development Charges	\$ (583,346)	\$ (308,430)
Wastewater Development Charges	\$ (7,081,328)	\$ (5,843,104)

Water DCs start to show a positive balance in 2017, but then are in a deficit position by 2022 due to funding required for the proposed water growth projects over the remainder of the study period. Refer to Appendix A-6 for forecast water DC reserve fund balances.

The wastewater DC reserve fund deficit balance is significant and is expected to continue to increase until 2017. Decreasing debt load and increasing residential home construction should start to reduce the deficit beginning in 2018. This deficit has been a result of moving sewer construction forward to take advantage of grant funding combined with a prolonged period of minimal growth. Historically this deficit has been temporarily funded from the wastewater sewers reserve fund causing a shortfall in that reserve as detailed below.

A combination of internal financing and debt are proposed to fund wastewater growth projects over the forecast period due to the significant wastewater DC reserve unfunded balance. Refer to Appendix B-6 for forecast wastewater DC reserve fund balances.

Appendix D shows the calculation of the DC proceeds found on the DC reserve fund continuity schedules.

6.2 Other Reserve Funds

Beginning and ending reserve fund balances over the study period are summarized in the following table:

Table 6.2
Reserve Funds*

Reserve Fund	Ending Balance 2014 Actual	Ending Balance 2024 Forecast
Water:		
Watermains	\$ 2,963,788	\$ 13,665,400
Water Facilities	\$ 5,329,796	\$ 7,762,216
Water Vehicle	\$ -	\$ 300,730
Water Rate Stabilization	\$ 423,565	\$ 844,815
	\$ 8,717,149	\$ 22,573,161
Wastewater:		
Wastewater Sewers	\$ (770,438)	\$ 12,106,676
Wastewater Facilities	\$ 2,619	\$ (655,603)
Wastewater Vehicle	\$ -	\$ 300,730
Wastewater Rate Stabilization	\$ -	\$ 273,743
	\$ (767,819)	\$ 12,025,546

* Excluding DC reserve funds

As discussed in section 5 Asset Lifecycle Replacement, there is an infrastructure gap i.e. difference between what current reserve funds balances are and what they should be. This Rate Study proposes to budget annual increases to reserve fund contributions over the forecast period in order to move towards the inflated EUL lifecycle requirement target.

Please refer to Appendix A-6 for water reserve fund and Appendix B-6 for wastewater reserve fund continuity schedules.

7. Capital Budget Forecast

The capital budget forecast was formulated by consolidating the Town's various budgets, work plans, studies etc. as noted in Table 2.1 in order to determine the full capital cost requirement. Capital budgets for water and wastewater can be found in Appendix A-4 and Appendix B-4 respectively.

7.1 Expenditures

In order to make the capital budget easier to follow, expenditures have been grouped into the following categories:

Lifecycle – Lifecycle expenditures are for the replacement of existing assets due to age and condition. Occasionally water/wastewater lifecycle replacements are accelerated if these assets are part of a large reconstruction project, particularly if doing so would generate cost savings. An example is the replacement/upgrade of the existing water system in Oldcastle being completed concurrently with wastewater servicing in the area.

A placeholder was budgeted for water lifecycle costs beyond those noted in the Town's five year capital plans. This is the inflated average lifecycle cost for the years 2015-2024 as identified in the Town's AMP. A lifecycle placeholder for sanitary sewer replacements is not required during the forecast period due to the "newer" age of the sewer system.

Capital – Capital expenditures were identified in the Town's 2015 Approved Capital Budget and the Public Works Five Year Capital Plan, and may include tools, studies, programs etc. Capital expenditures may also consist of improvements or enhancements to the system which are not as a result of growth, such as the wastewater servicing of Oldcastle. Respective Managers were consulted on capital expenditures beyond five years.

Growth – Growth projects were included in the Development Charge Study based on the Water & Wastewater Master Plan. Timing of these projects has been shifted in part due to the status of the development charge reserve fund balances, as discussed in the next section.

7.2 Revenues

Capital funding sources include the following:

Part XII Charges – Part XII of the Municipal Act permits municipalities to impose charges to recover capital costs, through by-law, from owners or occupants of land who receive an immediate benefit or a benefit at some later point in time. The Town applies Part XII charges to property owners benefitting from the Oldcastle Servicing Plan sanitary sewer works. *The expectation is that Part XII charges will cover all capital cost over the full build out of the Oldcastle Hamlet sewer system.*

Provincial & Federal Grants – The Federal and Provincial Governments have recently announced two infrastructure grant funding programs, the Ontario Community Infrastructure Fund (OCIF) and the Small Communities Fund (SCF), which will provide a total of \$372 million in assistance to small municipalities. Notwithstanding these recent announcements, grant funding availability has significantly declined over the past thirty years. As government grants are not a reliable source of funding, the capital plan contained herewith does not include grants as a funding source. However, if the Town is successful in achieving grant funding for future infrastructure needs, the rate forecast may be revisited if the financial impact is material.

Debentures – Municipalities often use long-term debt to finance capital projects. The Ministry of Municipal Affairs and Housing determines the annual debt and financial obligation limits for municipalities under the Municipal Affairs Act, O. Reg. 403/02, s. 1 (2). The latest calculation of the Town’s debt capacity is approximately \$40 million using 10 year debt, as shown in Appendix C. It is critical to bear in mind that debt has to be repaid! Debt repayments can have a significant impact on taxes and rates and thus use of debt has to be carefully considered.

Infrastructure Ontario (IO) is a Crown Corporation owned by the Province of Ontario which provides Ontario municipalities with access to affordable long-term financing to build and renew public infrastructure. Recent IO rates are as follows:

Table 7.1
Infrastructure Ontario Lending Rates*

Term	Amortizer
5 Year	1.56 %
10 Year	2.32 %
15 Year	2.83 %
20 Year	3.14 %
25 Year	3.33 %
30 Year	3.45 %

* as of July 15, 2015

For the purpose of this Study, it is proposed the Town issue a marginal amount of IO debt to fund growth-related sanitary sewer works. Lending rates can change; budget calculations contained herein assume a ten year term with an interest rate of 2.32%. Debenture repayment schedules for water and wastewater can be found in Appendix A-5 and B-5.

Development Charges – The Development Charges Act, 1997 provides municipalities with the ability to impose development charges to help fund the infrastructure needed to serve new growth. The funds collected are placed in a reserve fund for each service to which the DC relates. The Town’s water and wastewater DC reserves have been inadequate to fund the growth projects undertaken in recent years

and as a result, the Town has had to borrow and/or internally finance some of these works. See Section 6.1 for a review of the development charge reserve funds.

Reserve Funds – Contributions from reserves are a major component of financing the capital expenditures expected. Refer to Section 6.2 for a review of the water and wastewater reserve funds.

7.3 Capital Budget Summary

The table below summarizes the expenditures and financing by major category for each of water and wastewater.

Table 7.2
Capital Budget 10 Year Summary

Description	Water	Wastewater	Total
<u>Expenditures</u>			
Lifecycle			
Facilities	\$ 288,600	\$ 4,852,700	\$ 5,141,300
Vehicles	\$ 321,000	\$ 321,000	\$ 642,000
Mains/Sewers	\$ 7,361,800	\$ 483,100	\$ 7,844,900
	<u>\$ 7,971,400</u>	<u>\$ 5,656,800</u>	<u>\$ 13,628,200</u>
Capital	\$ 2,057,000	\$ 284,100	\$ 2,341,100
Oldcastle Hamlet Servicing	\$ -	\$ 10,237,400	\$ 10,237,400
Sylvestre Industrial	\$ -	\$ 323,700	\$ 323,700
Growth (DC Study)	\$ 2,744,300	\$ 3,292,700	\$ 6,037,000
Total Expenditures	<u>\$ 12,772,700</u>	<u>\$ 19,794,700</u>	<u>\$ 32,567,400</u>
<u>Financing</u>			
Part XII Charges	\$ -	\$ 10,237,400	\$ 10,237,400
Development Charges	\$ 2,528,423	\$ 94,079	\$ 2,622,502
Debentures Issued	\$ -	\$ 2,176,346	\$ 2,176,346
Reserve Fund Transfers	\$ 10,244,277	\$ 7,286,875	\$ 17,531,152
	<u>\$ 12,772,700</u>	<u>\$ 19,794,700</u>	<u>\$ 32,567,400</u>

8. Operating Budget Forecast

The operating budget addresses the operating and maintenance needs of the water and wastewater systems. Some of the more significant costs include water purchases, water treatment, billing & collection fees, and wages & benefits. Transfers to reserves are also set out in the operating budget. Refer to Appendix A-2 for the Water Operating Budget Forecast and Appendix B-2 for the Wastewater Operating Budget Forecast.

8.1 Expenditures

The first three years of the operating budget forecast expenditures for both water and wastewater are based on the 2015 Approved Operating Budget. Generally, an inflationary factor of 2% was applied to expenditures for the subsequent years.

Table 8.1 shows the estimated annual cost of 'Water Purchases' found in the Water Operating Budget Forecast. Water purchases were calculated by multiplying volumes by the inflated three year average rate charged by Enwin.

Table 8.1
Water Purchases from Windsor

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Billable Consumption	2,606,095	2,640,595	2,675,095	2,709,595	2,744,095	2,778,595	2,807,345	2,836,095	2,864,845	2,893,595
'Large Consumer' (not discounted)	343,703	343,703	343,703	343,703	343,703	343,703	343,703	343,703	343,703	343,703
Sub-Total (Reference Table 4.1)	2,949,798	2,984,298	3,018,798	3,053,298	3,087,798	3,122,298	3,151,048	3,179,798	3,208,548	3,237,298
+ 20% for purchase to billing diff.	589,960	596,860	603,760	610,660	617,560	624,460	630,210	635,960	641,710	647,460
Total Purchased Consumption	3,539,758	3,581,158	3,622,558	3,663,958	3,705,358	3,746,758	3,781,258	3,815,758	3,850,258	3,884,758
Windsor Rates ^{1,2}	0.3481	0.3551	0.3622	0.3694	0.3768	0.3844	0.3920	0.3999	0.4079	0.4160
Annual Cost of Water Purchases \$	1,232,282	1,271,628	1,312,055	1,353,591	1,396,263	1,440,101	1,482,428	1,525,873	1,570,463	1,616,225

¹ Actual average blended rates for 2014, 2013, and 2012 are \$0.34142, \$0.33496, and \$0.34739 respectively. The 3 year average of \$0.3413 was inflated by 2% to determine the 2015 starting point.

² Forecast rates inflated by 2% annually based on historical trends.

Note that an allowance of 20% has been used for the purchase to billing difference in volumes. Based on a water audit study prepared June 2014 by Veritec Consulting Inc., the level of Non-Revenue Water was quoted to be 17.5% for 2012. The Finance department has observed, however, that the loss varies from year to year. The average loss rate for the five years, 2010 to 2014 inclusive, is approximately 20.7% and thus an allowance of 20% has been used for this forecast.

As noted previously, calculations for new debt assume a ten year term with an interest rate of 2.32%. Debenture repayment schedules for water can be found in Appendix A-5. Total annual debt charges for wastewater can be found in Appendix B-5, which includes the servicing of proposed new growth-related debt.

The annual lifecycle requirements noted in Table 5.1 were referenced in determining appropriate transfers to reserves. Transfers to the watermain/wastewater sewer lifecycle reserve funds were adjusted slightly, up or down, to keep the budgeted water and sanitary rate increases constant. The challenge is trying to increase reserve fund transfers to plan for the future while at the same time keep rates affordable. Refer to Appendix A-6 & Appendix B-6 for reserve fund continuity schedules. Interest of 2% was assumed on reserve fund balances.

8.2 Revenues

The first three years of the operating budget forecast revenues are based on the 2015 Approved Operating Budget. Miscellaneous non-rate revenues such as water oasis sales, hydrant rentals, work order revenue etc. offset a portion of the operating expenditures. Water work order revenue is projected to show healthy increases over four years resulting from anticipated development and is subsequently expected to return to historical norms. Generally, other non-rate revenues have been increased by 2% annually over the forecast.

8.3 Full Cost Recovery

The difference between the total expenditures and the non-rate revenues is the amount that has to be recouped through user rates to ensure a full cost recovery of the water and wastewater systems. This is done through fixed charges and variable rates.

Fixed charges are billed to the customer on a monthly/bi-monthly basis based on meter size. The benefit of having a fixed charge is that a portion of the revenue stream is secured, i.e. the revenue does not vary with consumption. Fixed charges are also used to reflect the fact that certain costs of providing the service are fixed regardless of volume. Examples of fixed costs include administration charges and debt payments. An analysis of the monthly fixed charges has shown that the Town's current rates are low compared to other Essex County municipalities. With this Rate Study, it is proposed to increase fixed rates by 6% annually over the study period to be more in line with the Essex County average for water and wastewater. The fixed rate increase is offset in part by increasing the variable rate by a lesser amount than would otherwise be required. This will serve to secure a larger portion of the billable water and wastewater revenues that are not volume dependent. Refer to Appendix A-3 and Appendix B-3 for proposed water and wastewater fixed charges and corresponding revenues.

Variable rate revenue makes up the balance of the full cost recovery. This portion of the revenue stream can fluctuate depending upon consumption. The rate is determined by taking the expenses less the various non-rate revenues less reserve transfers less fixed rate revenue to determine the balance that must be recovered through variable rates. The balance is then divided by the forecast volume to determine the variable rate that should be charged for full cost recovery. This calculation is summarized in Appendix A-1 for water and Appendix B-1 for wastewater.

Table 8.2
Operating Budget 10 Year Summary

Description	Water	Wastewater	Total
<u>Expenditures</u>			
Operating			
Payroll & Benefits	\$ 11,555,480	\$ 2,008,755	\$ 13,564,235
Office	\$ 478,911	\$ 160,861	\$ 639,772
Maintenance	\$ 2,065,015	\$ 3,132,380	\$ 5,197,395
Water Purchases	\$ 14,200,909		\$ 14,200,909
Contracts	\$ 1,797,306	\$ 18,051,563	\$ 19,848,869
Other	\$ 1,252,846	\$ 1,733,708	\$ 2,986,555
Administration Charge	\$ 2,860,733	\$ 3,278,219	\$ 6,138,952
	<u>\$ 34,211,201</u>	<u>\$ 28,365,486</u>	<u>\$ 62,576,687</u>
Capital Related			
Debt Payments - Non-Growth	\$ -	\$ 458,880	\$ 458,880
Debt Payments - Landowners	\$ 1,289	\$ 641,680	\$ 642,969
Debt Payments - Growth	\$ 250,995	\$ 6,517,039	\$ 6,768,034
Debt Payments - Internal		\$ 1,083,362	\$ 1,083,362
Transfer to Reserve Funds	\$ 21,587,128	\$ 20,701,440	\$ 42,288,568
	<u>\$ 21,839,412</u>	<u>\$ 29,402,401</u>	<u>\$ 51,241,813</u>
Total Expenditures	<u>\$ 56,050,613</u>	<u>\$ 57,767,887</u>	<u>\$ 113,818,500</u>
<u>Financing</u>			
Fixed Rate Recovery	\$ 19,036,917	\$ 17,127,952	\$ 36,164,870
Variable Rate Recovery	\$ 35,938,979	\$ 31,789,627	\$ 67,728,606
Property Owner Recovery	\$ -	\$ 641,680	\$ 641,680
Transfer from Reserve Funds	\$ 250,995	\$ 8,059,281	\$ 8,310,276
Other	\$ 823,722	\$ 149,347	\$ 973,068
Total Financing	<u>\$ 56,050,613</u>	<u>\$ 57,767,887</u>	<u>\$ 113,818,500</u>

9. Rate Sensitivity Analysis

As mentioned throughout this document, full cost recovery is the objective in setting appropriate water and wastewater user rates. Full cost recovery includes operations, capital works and setting aside funds for asset replacement and growth. At the same time, consideration must be given to the impact on the average household, a typical non-residential customer and the Town’s largest consumer. It’s all a balancing act – it’s important to cover the current system costs, plan for the future and at the same time set user rates that would not create undue hardship on the Town’s stakeholders.

Bearing this in mind, various full cost recovery scenarios were analysed for the impact on consumers. Annual increases of less than 3.5% were targeted. Reserve transfers were aimed at \$2.25 - \$2.5 million each for watermains and wastewater sewers in order to move towards the EUL annual lifecycle requirements set out in Table 5.1. As a matter of policy, the intent was that a larger portion of the rate revenues come from fixed charges.

Appendix E-1 presents the detailed sensitivity analysis that was conducted for a typical residential customer based on an average consumption volume of 20 m³/month with a 5/8 & 3/4” meter. Appendix E-2 contains the same detail for a typical non-residential customer based on an average consumption volume of 90 m³/month with a 1” meter. Appendix E-3 shows the analysis for the large consumer based on 2014 volumes. A summary is shown in Table 9.1 below.

Table 9.1
Scenario Comparison Summary

Scenario	Fixed		Variable		2016 Impact			2024 Impact		
	Water	Wastewater	Water	Wastewater	Avg Home	Non-Res.	Lrg. User	Avg Home	Non-Res.	Lrg. User
A	+ 2%	+ 2%	+ 2%	+ 2%	\$ 17	\$ 59	\$ 12,288	\$ 20	\$ 70	\$ 14,398
B	+ 100% yr 1; + 2% yr 2 ->	+ 100% yr 1; + 2% yr 2 ->	Adj yr 1, + 2% yr 2 -> *	Adj yr 1, + 2% yr 2 -> *	\$ 57	-\$ 532	-\$ 205,388	\$ 21	\$ 56	\$ 9,397
C	+ 3%	+ 6%	+ 1%	+ 3%	\$ 24	\$ 72	\$ 12,594	\$ 32	\$ 93	\$ 15,713
D	+ 6%	+ 6%	+ 1%	+ 3%	\$ 28	\$ 79	\$ 13,120	\$ 41	\$ 108	\$ 16,723
E	+ 6%	+ 6%	-4% yr 1; + 0% yr 2 ->	+ 3%	\$ 14	-\$ 12	-\$ 2,790	\$ 38	\$ 58	\$ 13,277
F	+ 6%	+ 6%	-2% yr 1; + 1% yr 2 ->	+ 2%	\$ 17	\$ 29	\$ 962	\$ 37	\$ 89	\$ 12,816

* Variable rate adjusted (decreased) in year 1 to recover full cost; increased annually by 2% thereafter.

The following is a discussion of the findings of the rate sensitivity analysis:

Scenario A – Fixed and variable rates were increased by 2%, which is the inflation factor used throughout the study. The annual increase to the average household is minimal, ranging from

\$16.73 in 2016 to \$19.60 by 2024. Non-residential customers would experience increases ranging from approximately \$60 – \$70. The transfer to the wastewater reserve is inadequate at \$1.6 million by the end of the study period with this scenario. In addition, increasing the fixed charge portion of the rate revenues is not addressed.

Scenario B – Fixed rates were doubled the first year, and variable rates were decreased accordingly to cover costs. Annual increases of 2% were applied to fixed and variable rates starting in year two. The increase to the average household was high in the first year at 6.86% (\$57.36). A typical non-residential customer would experience a decrease of 17.90% (\$532.32) due to lower variable rates and higher relative consumption volumes. The impact of the rate shift is most evident with the large consumer’s annual cost decreasing by 33.43% (\$205,388.32) in 2016. This scenario shifts the burden from the non-residential to residential consumer quite dramatically beginning in the first year.

Scenario C – Water fixed and variable rates were increased annually by 3% and 1% respectively while wastewater fixed and variable rates were increased annually by 6% and 3% respectively. The increase to the average household ranges from 2.85% (\$23.84) in 2016 to 3.08% (\$32.50) by 2024. Non-residential increases are in the range of 2.5% while the large consumers’s are just over 2.0%. The transfer to water reserve is inadequate at \$2.0 million by the end of the study period, while the transfer to wastewater reserve is in target at \$2.6 million.

Scenario D – Water fixed and variable rates were increased annually by 6% and 1% respectively while wastewater fixed and variable rates were increased annually by 6% and 3% respectively. The increase to the average household is too high at 3.70% (\$40.73) by 2024. Non-residential increases are less than 3%. The reserve fund transfers are very close to target by the end of the study period with this scenario.

Scenario E – The water fixed rate was increased by 6% annually, while the variable rate was decreased by 4% in year one and held constant. Annually, the wastewater fixed rate was increased by 6% and the variable rate was increased by 3%. The impact to the average residential consumer ranges from 1.69% (\$14.16) in 2016 to 3.54% (\$37.78) by 2024. Non-residential customers would see a 0.59% (\$11.94) decrease in the first year due to the lower water variable rate and higher relative consumption volume and an increase of 2.48% (\$57.83) by the end of the study period. The large consumer shows a 0.45% (\$2,790.11) decrease in the first year and an increase of 1.92% (\$13,277.24) by the end of the study period. The watermain reserve fund transfer is short of target at \$2.1 million while the wastewater transfer of \$2.6 is very close to target by the end of the study period.

Scenario F – The water fixed rate was increased by 6% annually, while the variable rate was decreased by 2% in year one and then increased annually by 1% thereafter. The wastewater

fixed rate was increased by 6% annually and the variable rate was increased by 2% annually. The impact to the average residential consumer is in target, ranging from 2.04% (\$17.08) in 2016 to 3.43% (\$36.66) by 2024. Non-residential increases range from 0.99% (\$29.42) to 2.52% (\$89.37) by the end of the study period. The large consumer shows an increase in the first year of 0.16% (\$962.50) and an increase of 1.84% (12,815.71) by 2024. The reserve fund transfers of \$2.4 million for water and \$2.3 for wastewater are within target by the end of the forecast.

Scenario F is the recommended approach based on the above qualitative and quantitative assessment. This option would achieve full cost recovery with estimated annual increases of less than 3.5% for all stakeholders. In addition, watermain and wastewater sewer reserve fund transfers would reach the target levels of between \$2.25 - \$2.5 million by the end of the study period in an effort to move towards EUL lifecycle requirements, i.e. “catch up”. Finally, revenue from fixed rates would be increased, thereby securing a larger portion of the revenue stream than prior years.

10. Proposed Rates

Consideration was given to the following principles in determining the appropriate water and wastewater rates and rate structure:

- **Financial Sustainability** – Recovery of the full cost of the water and wastewater systems.
- **Stabilization of Revenue** – Consistent, predictable rate increases for consumers while improving revenue predictability.
- **Affordability** – Assessment of the financial impact on the various user groups.
- **Fairness** – Verification that one user group is not proportionately impacted significantly more than others by proposed rate adjustments.
- **Economic Development/Retention** – Business retention and promotion of economic development.

Bearing these principles in mind, it was determined that the current block rate structure for water should be maintained. It is anticipated that this structure will assist the Town in remaining competitive in attracting and/or retaining large commercial and industrial operations. It is also reflective of the lower unit costs associated with serving large customers. Further, continuance of the practice of assessing 2/3 of the regular wastewater rate to the 'Large Consumer' is recommended in acknowledgement of the fact that a large portion of the water used in processing does not enter the wastewater system. Keeping the existing structures for water and wastewater directly addresses the principles of **Economic Development** and **Fairness**.

The impact of adjusting rates was reviewed in Section 9, Rate Sensitivity Analysis. It was found that Scenario F is the preferred choice (water variable -2% year 1; 1% year 2 ->; water fixed +6%; wastewater variable +2%; wastewater fixed +6%). This option promotes **Financial Sustainability** through full cost recovery of the water and wastewater systems. Annual increases are estimated at less than 3.5% for all stakeholders ensuring **Affordability**. Finally, to move towards **Stabilization of Revenue** fixed rates would be increased thereby securing a larger portion of the revenue stream not dependent on volume variability than prior years.

Proposed rates are as follows:

10.1 Water

Table 10.1
Recommended Consumption Charges - Water

	2015 Approved	2016	2017	2018	2019	2020	2021	2022	2023	2024
Under 10,200 m ³ /month	1.1550	1.1319	1.1432	1.1547	1.1662	1.1779	1.1896	1.2015	1.2135	1.2257
Over 10,200 m ³ /month	0.8350	0.8183	0.8265	0.8347	0.8431	0.8515	0.8600	0.8686	0.8773	0.8861
Annual % Change		-2%	1%	1%	1%	1%	1%	1%	1%	1%

Table 10.2
Recommended Fixed Charges - Water

	2015 Approved	2016	2017	2018	2019	2020	2021	2022	2023	2024
5/8" and 3/4"	11.91	12.62	13.38	14.19	15.04	15.94	16.89	17.91	18.98	20.12
1"	20.66	21.90	23.21	24.61	26.08	27.65	29.31	31.07	32.93	34.90
1 1/2"	40.56	42.99	45.57	48.31	51.21	54.28	57.54	60.99	64.65	68.53
2"	60.43	64.06	67.90	71.97	76.29	80.87	85.72	90.86	96.32	102.10
3"	101.46	107.55	114.00	120.84	128.09	135.78	143.92	152.56	161.71	171.41
4"	163.77	173.60	184.01	195.05	206.76	219.16	232.31	246.25	261.02	276.69
6"	291.23	308.70	327.23	346.86	367.67	389.73	413.12	437.90	464.18	492.03
Annual % Change		6%	6%	6%	6%	6%	6%	6%	6%	6%

10.2 Wastewater

Table 10.3
Recommended Volume Charges - Wastewater

	Approved 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Charge per m ³	1.1397	1.1625	1.1857	1.2095	1.2336	1.2583	1.2835	1.3092	1.3353	1.3620
'Large Consumer' per m ³	0.7598	0.7750	0.7905	0.8063	0.8224	0.8389	0.8557	0.8728	0.8902	0.9080
Annual % Change		2%	2%	2%	2%	2%	2%	2%	2%	2%

Table 10.4
Recommended Fixed Charges - Wastewater

	2015 Approved	2016	2017	2018	2019	2020	2021	2022	2023	2024
5/8" and 3/4"	11.91	12.62	13.38	14.19	15.04	15.94	16.89	17.91	18.98	20.12
1"	20.66	21.90	23.21	24.61	26.08	27.65	29.31	31.07	32.93	34.90
1 1/2"	40.56	42.99	45.57	48.31	51.21	54.28	57.54	60.99	64.65	68.53
2"	60.43	64.06	67.90	71.97	76.29	80.87	85.72	90.86	96.32	102.10
3"	101.46	107.55	114.00	120.84	128.09	135.78	143.92	152.56	161.71	171.41
4"	163.77	173.60	184.01	195.05	206.76	219.16	232.31	246.25	261.02	276.69
6"	291.23	308.70	327.23	346.86	367.67	389.73	413.12	437.90	464.18	492.03
Annual % Change		6%	6%	6%	6%	6%	6%	6%	6%	6%

11. Recommendations

The rates set out in Section 10 of this Study provide for a full cost recovery of the water and wastewater systems. As such, it is recommended that:

1. Council adopt the 2015 Water & Wastewater Rate Study.
2. A by-law to set the rates for 2016 be prepared for adoption by Council.
3. Annual reports to Council be prepared recommending future rate increases based on the 2015 Water & Wastewater Rate Study and adjusted as necessary.
4. The 2015 Water & Wastewater Rate Study be posted on the Town's website.
5. The Water & Wastewater Rate Study be updated in no longer than five years.

Appendix A-1

Water Rate Forecast

Description	2015 Adopted	2016	2017	2018	2019	2020	2021	2022	2023	2024
Total Water Billing Recovery		3,310,860	3,383,409	3,457,079	3,531,883	3,607,839	3,678,119	3,749,445	3,821,828	3,895,285
Total Weighted Consumption (m ³)		2,925,046	2,959,546	2,994,046	3,028,546	3,063,046	3,091,796	3,120,546	3,149,296	3,178,046
Variable Rate	\$ 1.1550	1.1319	1.1432	1.1547	1.1662	1.1779	1.1896	1.2015	1.2135	1.2257
Annual Increase (\$)		-0.0231	0.0113	0.0114	0.0115	0.0117	0.0118	0.0119	0.0120	0.0121
Annual Increase (%)		-2.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%

Appendix A-2

Water Operating Budget Forecast
Inflated \$

Description	Budget 2015	Forecast									Total
		2016	2017	2018	2019	2020	2021	2022	2023	2024	
Expenditures											
<i>Operating Costs</i>											
Payroll Related Expenses	807,749	814,415	836,811	853,547	870,618	888,031	905,791	923,907	942,385	961,233	8,804,487
Benefits	256,605	256,345	260,754	265,969	271,288	276,714	282,249	287,893	293,651	299,524	2,750,994
Office Supplies & Equip Mtnc	20,353	20,353	20,353	20,760	21,175	21,599	22,031	22,471	22,921	23,379	215,395
Memberships	1,900	1,900	1,900	1,938	1,977	2,016	2,057	2,098	2,140	2,183	20,108
Professional Development	23,000	23,000	23,000	23,460	23,929	24,408	24,896	25,394	25,902	26,420	243,408
Maint. Materials & Supplies	102,500	103,150	103,813	105,889	108,007	110,167	112,371	114,618	116,910	119,249	1,096,674
Water Purchases (Table 8.1)	1,232,282	1,271,628	1,312,055	1,353,591	1,396,263	1,440,101	1,482,428	1,525,873	1,570,463	1,616,225	14,200,909
Maint. Services	91,500	91,500	91,500	93,330	95,197	97,101	99,043	101,023	103,044	105,105	968,342
Contract Services	169,830	169,830	169,830	173,227	176,691	180,225	183,829	187,506	191,256	195,081	1,797,306
Professional Services	14,700	14,700	14,700	14,994	15,294	15,600	15,912	16,230	16,555	16,886	155,570
Utilities	50,150	50,888	51,640	52,673	53,726	54,801	55,897	57,015	58,155	59,318	544,263
Insurance	35,500	36,210	36,934	37,673	38,426	39,195	39,979	40,778	41,594	42,426	388,713
Other	9,125	9,125	9,125	9,308	9,494	9,684	9,877	10,075	10,276	10,482	96,570
Bad Debt Expense	6,400	6,400	6,400	6,528	6,659	6,792	6,928	7,066	7,207	7,352	67,731
Administration Charge	284,194	264,135	269,418	274,806	280,302	285,908	291,626	297,459	303,408	309,476	2,860,733
Total Operating Costs	3,105,788	3,133,579	3,208,233	3,287,692	3,369,046	3,452,340	3,534,912	3,619,407	3,705,867	3,794,338	34,211,201
<i>Capital Related</i>											
Existing Debt - Recoverable from Landowners	1,289	-	-	-	-	-	-	-	-	-	1,289
Existing Debt - Other	250,995	-	-	-	-	-	-	-	-	-	250,995
New Non-Growth Related Debt	-	-	-	-	-	-	-	-	-	-	-
New Growth Related Debt	-	-	-	-	-	-	-	-	-	-	-
Transfer to Lifecycle Watermain Reserve Fund	1,617,380	1,531,562	1,641,102	1,735,028	1,835,502	1,933,510	2,041,773	2,158,237	2,284,565	2,421,469	19,200,128
Transfer to Lifecycle Facilities Reserve Fund	85,000	85,000	85,000	107,000	129,000	152,000	175,000	199,000	223,000	247,000	1,487,000
Transfer to Lifecycle Vehicle Reserve Fund	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	600,000
Transfer to Rate Stabilization Reserve Fund	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	300,000
Total Capital Related	2,044,664	1,706,562	1,816,102	1,932,028	2,054,502	2,175,510	2,306,773	2,447,237	2,597,565	2,758,469	21,839,412
Total Expenditures	5,150,452	4,840,141	5,024,335	5,219,720	5,423,548	5,627,849	5,841,685	6,066,644	6,303,432	6,552,807	56,050,613
Revenues											
<i>Operating Revenue</i>											
Taxation - Watermains 10yr	1,289	-	-	-	-	-	-	-	-	-	1,289
Water Sales Lakeshore - Fixed	6,500	6,561	6,811	7,076	7,356	7,654	7,969	8,303	8,657	9,033	75,921
Water Oasis Revenue	22,000	22,500	23,000	23,460	23,929	24,408	24,896	25,394	25,902	26,420	241,908
Hydrant Rental	2,500	2,500	2,500	2,550	2,601	2,653	2,706	2,760	2,815	2,872	26,457
Work Orders ¹	13,600	23,600	23,600	25,000	25,000	15,000	15,300	15,606	15,918	16,236	188,861
Miscellaneous Revenue	9,560	9,560	9,560	9,751	9,946	10,145	10,348	10,555	10,766	10,981	101,173
Interfunctional Rent	17,775	17,775	17,775	18,131	18,493	18,863	19,240	19,625	20,018	20,418	188,112
Total Operating Revenue	73,224	82,496	83,246	85,968	87,326	78,723	80,459	82,243	84,076	85,960	823,722
<i>Reserve Transfers</i>											
Transfer from Dev. Charges Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Transfer from Lifecycle Watermain Reserve Fund	250,995	-	-	-	-	-	-	-	-	-	250,995
Transfer from Lifecycle Facilities Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Transfer from Lifecycle Vehicle Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Transfer from Rate Stabilization Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Total Reserve Transfers	250,995	-	-	-	-	-	-	-	-	-	250,995
<i>Rate Revenue</i>											
Water Fixed Rate Recovery	1,323,000	1,446,785	1,557,680	1,676,673	1,804,339	1,941,288	2,083,107	2,234,956	2,397,527	2,571,562	19,036,917
Water Variable Rate Recovery	3,503,233	3,310,860	3,383,409	3,457,079	3,531,883	3,607,839	3,678,119	3,749,445	3,821,828	3,895,285	35,938,979
Total Rate Revenue Required for Full Cost Recovery	4,826,233	4,757,644	4,941,089	5,133,753	5,336,222	5,549,127	5,761,226	5,984,401	6,219,356	6,466,847	54,975,896
Total Revenues	5,150,452	4,840,141	5,024,335	5,219,720	5,423,548	5,627,849	5,841,685	6,066,644	6,303,432	6,552,807	56,050,613

¹ Work Orders - Expecting \$40k additional revenue spread over 4 years from Manning Rd subdivision. Thereafter, assume normal levels of roughly \$15k/year.

Appendix A-3

Water Fixed Charges

Total Water	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	8,786	8,786	8,786	8,786	8,786	8,786	8,786	8,786	8,786	8,786
New	50	200	350	500	650	800	925	1,050	1,175	1,300
Total Customers	8,836	8,986	9,136	9,286	9,436	9,586	9,711	9,836	9,961	10,086
Total Annual Revenue	1,343,453	1,446,785	1,557,680	1,676,673	1,804,339	1,941,288	2,083,107	2,234,956	2,397,527	2,571,562

5/8" & 3/4"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549
New	50	200	350	500	650	800	925	1,050	1,175	1,300
Total Customers	8,599	8,749	8,899	9,049	9,199	9,349	9,474	9,599	9,724	9,849
Monthly Base Charge	11.91	12.62	13.38	14.19	15.04	15.94	16.89	17.91	18.98	20.12
Annual Base Charge	142.92	151.50	160.58	170.22	180.43	191.26	202.73	214.90	227.79	241.46
Total Annual Revenue	1,228,969	1,325,432	1,429,045	1,540,321	1,659,805	1,788,082	1,920,709	2,062,814	2,215,057	2,378,143

1"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	126	126	126	126	126	126	126	126	126	126
New										
Total Customers	126	126	126	126	126	126	126	126	126	126
Monthly Base Charge	20.66	21.90	23.21	24.61	26.08	27.65	29.31	31.07	32.93	34.90
Annual Base Charge	247.92	262.80	278.56	295.28	312.99	331.77	351.68	372.78	395.15	418.86
Total Annual Revenue	31,238	33,112	35,099	37,205	39,437	41,803	44,312	46,970	49,788	52,776

1 1/2"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	25	25	25	25	25	25	25	25	25	25
New										
Total Customers	25	25	25	25	25	25	25	25	25	25
Monthly Base Charge	40.56	42.99	45.57	48.31	51.21	54.28	57.54	60.99	64.65	68.53
Annual Base Charge	486.72	515.92	546.88	579.69	614.47	651.34	690.42	731.85	775.76	822.30
Total Annual Revenue	12,168	12,898	13,672	14,492	15,362	16,284	17,261	18,296	19,394	20,558

2"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	79	79	79	79	79	79	79	79	79	79
New										
Total Customers	79	79	79	79	79	79	79	79	79	79
Monthly Base Charge	60.43	64.06	67.90	71.97	76.29	80.87	85.72	90.86	96.32	102.10
Annual Base Charge	725.16	768.67	814.79	863.68	915.50	970.43	1,028.65	1,090.37	1,155.79	1,225.14
Total Annual Revenue	57,288	60,725	64,368	68,230	72,324	76,664	81,264	86,139	91,308	96,786

3"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	2	2	2	2	2	2	2	2	2	2
New										
Total Customers	2	2	2	2	2	2	2	2	2	2
Monthly Base Charge	101.46	107.55	114.00	120.84	128.09	135.78	143.92	152.56	161.71	171.41
Annual Base Charge	1,217.52	1,290.57	1,368.01	1,450.09	1,537.09	1,629.32	1,727.08	1,830.70	1,940.54	2,056.97
Total Annual Revenue	2,435	2,581	2,736	2,900	3,074	3,259	3,454	3,661	3,881	4,114

4"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	4	4	4	4	4	4	4	4	4	4
New										
Total Customers	4	4	4	4	4	4	4	4	4	4
Monthly Base Charge	163.77	173.60	184.01	195.05	206.76	219.16	232.31	246.25	261.02	276.69
Annual Base Charge	1,965.24	2,083.15	2,208.14	2,340.63	2,481.07	2,629.93	2,787.73	2,954.99	3,132.29	3,320.23
Total Annual Revenue	7,861	8,333	8,833	9,363	9,924	10,520	11,151	11,820	12,529	13,281

6"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	1	1	1	1	1	1	1	1	1	1
New										
Total Customers	1	1	1	1	1	1	1	1	1	1
Monthly Base Charge	291.23	308.70	327.23	346.86	367.67	389.73	413.12	437.90	464.18	492.03
Annual Base Charge	3,494.76	3,704.45	3,926.71	4,162.32	4,412.05	4,676.78	4,957.38	5,254.83	5,570.12	5,904.32
Total Annual Revenue	3,495	3,704	3,927	4,162	4,412	4,677	4,957	5,255	5,570	5,904

Appendix A-3 Continued

Water Fixed Charges - Lakeshore Customers

Total Water	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	30	30	30	30	30	30	30	30	30	30
New	-	-	-	-	-	-	-	-	-	-
Total Customers	30	30	30	30	30	30	30	30	30	30
Total Annual Revenue	6,326	6,561	6,811	7,076	7,356	7,654	7,969	8,303	8,657	9,033

5/8" & 3/4"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	24	24	24	24	24	24	24	24	24	24
New	-	-	-	-	-	-	-	-	-	-
Total Customers	24	24	24	24	24	24	24	24	24	24
Monthly Base Charge	11.91	12.62	13.38	14.19	15.04	15.94	16.89	17.91	18.98	20.12
Annual Base Charge	142.92	151.50	160.58	170.22	180.43	191.26	202.73	214.90	227.79	241.46
Total Annual Revenue	3,430	3,636	3,854	4,085	4,330	4,590	4,866	5,158	5,467	5,795

5/8" & 3/4"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	3	3	3	3	3	3	3	3	3	3
New	-	-	-	-	-	-	-	-	-	-
Total Customers	3	3	3	3	3	3	3	3	3	3
Monthly Base Charge	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Annual Base Charge	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00
Total Annual Revenue	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800

1"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	2	2	2	2	2	2	2	2	2	2
New	-	-	-	-	-	-	-	-	-	-
Total Customers	2	2	2	2	2	2	2	2	2	2
Monthly Base Charge	20.66	21.90	23.21	24.61	26.08	27.65	29.31	31.07	32.93	34.90
Annual Base Charge	247.92	262.80	278.56	295.28	312.99	331.77	351.68	372.78	395.15	418.86
Total Annual Revenue	496	526	557	591	626	664	703	746	790	838

1"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	1	1	1	1	1	1	1	1	1	1
New	-	-	-	-	-	-	-	-	-	-
Total Customers	1	1	1	1	1	1	1	1	1	1
Monthly Base Charge	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Annual Base Charge	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00
Total Annual Revenue	600	600	600	600	600	600	600	600	600	600

Notes:

Area A - 100% of the Town of Tecumseh prevailing rate for consumption and \$50 for fixed charges.

Rate Codes 153

Area B - 100% of the Town of Tecumseh prevailing rate for consumption and fixed charges.

Rate Codes 140 CP, 152 CP, 157B, 177

Area E - 130% of the Town of Tecumseh prevailing rate for consumption and \$50 for fixed charges.

Rate Codes 155

Appendix A-4

Water Capital Budget Forecast
Inflated \$

DESCRIPTION	TOTAL	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Lifecycle											
Facilities	288,600	154,700				21,600	16,600	95,700			
Vehicles	321,000	90,000	1,300	16,600		78,500	48,600	20,800	13,800	49,800	1,600
Mains											
Willow Court watermain replacement	30,000	30,000									
Kensington Blvd watermain replacement	336,300				20,200	316,100					
Rutland Rd/Essex Rd watermain replacement	233,800					14,100	219,700				
Shawnee/Arbour Phase 2 watermain replacement	182,600		182,600								
Manning/East Townline Drain Relocation Phase 2 (Manning watermain replacement)	497,500					20,800	476,700				
Arlington Boulevard (Phase 1) watermain replacement	313,200	5,000		308,200							
Arlington Boulevard (Phase 2) watermain replacement	319,600			5,200	314,400						
Year 2021 + works	1,736,000							421,200	429,600	438,200	447,000
Oldcastle Hamlet											
Burke/Outer/Moro watermain replacement (NTR)	398,000	398,000									
Dumouchelle/Outer watermain replacement (NTR)	192,500	12,000	180,500								
Pulleyblank/Crowder/Moro watermain replac. (NTR)	286,800		17,300	269,500							
Rossi Drive watermain replacement (NTR)	234,300			13,800	220,500						
County Rd 11 (Walker Rd) watermain replac. (NTR)	134,900			8,300		126,600					
Olympia/Astor/Solar watermain replacement (NTR)	258,100					15,300	242,800				
Delduca Drive watermain replacement (8th Conc)	250,600			14,600		236,000					
Ure Street watermain replacement (8th Conc)	225,000					13,000	212,000				
O'Neil Street watermain replacement (8th Conc)	254,500							254,500			
Henin/Moynahan/Regal watermain replac. (8th Conc)	318,200								318,200		
County Rd 46/Webster Drive (8th Conc)	798,900									798,900	
8th Concession south of tracks to NTR (8th Conc)	361,000										361,000
Other Capital											
Rate Study	49,100	15,000				16,200					17,900
Tools/equipment	273,800	25,000	25,500	26,000	26,500	27,100	27,600	28,200	28,700	29,300	29,900
Meter purchases	383,400	150,000	76,500	78,000	10,600	10,800	11,000	11,300	11,500	11,700	12,000
ERT installation	276,500	122,000	76,500	78,000							
Anode Protection Program	815,100	150,000	76,500	78,000	79,600		82,800	84,500	86,200	87,900	89,600
Banwell watermain ext. (Intersection to S. of tracks)	259,100		259,100								
Growth (DC Study)											
Water Masterplan update	80,000		40,000					40,000			
8th Conc - SW Tecumseh Trunk watermain (W-12B, 25%)	513,000			30,200		482,800					
W. Tecumseh Trunk Watermain CR22-Intersection (W-1A)	1,524,100							754,500	769,600		
W. Tecumseh Trunk Watermain Intersection-CP Rail (W-1B)	627,200									310,500	316,700
TOTAL CAPITAL EXPENDITURES	12,772,700	1,151,700	935,800	926,400	671,800	1,378,900	1,337,800	1,710,700	1,657,600	1,726,300	1,275,700
Capital Financing											
Provincial/Federal Grants	-										
Non-Growth Related Debenture Requirements	-										
Growth Related Debenture Requirements	-										
Transfer from Development Charges Reserve Fund	2,528,423		36,250	24,160		386,240		738,385	716,187	310,500	316,700
Transfer from Watermain Reserve Fund	9,634,677	907,000	898,250	885,640	671,800	892,560	1,272,600	855,815	927,613	1,366,000	957,400
Transfer from Facilities Reserve Fund	288,600	154,700				21,600	16,600	95,700			
Transfer from Vehicle Reserve Fund	321,000	90,000	1,300	16,600		78,500	48,600	20,800	13,800	49,800	1,600
Transfer from Rate Stabilization Reserve Fund	-										
TOTAL CAPITAL FINANCING	12,772,700	1,151,700	935,800	926,400	671,800	1,378,900	1,337,800	1,710,700	1,657,600	1,726,300	1,275,700

Appendix A-5
Water Debenture Repayments

Schedule of Non-Growth Related Debenture Repayments

Debenture Year	Principal	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1990	10,078	1,289									
↓											
2005	2,013,000	250,995									
2006	-										
2007	-										
2008	-										
2009	-										
2010	-										
2011	-										
2012	-										
2013	-										
2014	-										
2015	-										
2016	-										
2017	-										
2018	-										
2019	-										
2020	-										
2021	-										
2022	-										
2023	-										
2024	-										
TOTAL ANNUAL DEBT CHARGES	2,023,078	252,284	-	-	-	-	-	-	-	-	-

Schedule of Growth Related Debenture Repayments

Debenture Year	Principal	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
2015	-										
2016	-										
2017	-										
2018	-										
2019	-										
2020	-										
2021	-										
2022	-										
2023	-										
2024	-										
TOTAL ANNUAL DEBT CHARGES	-	-	-	-	-	-	-	-	-	-	-

**Appendix A-6
Water Reserve Funds**

Water Development Charges Reserve Fund Continuity

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Opening Balance	(583,346)	(426,721)	(179,845)	84,784	381,044	302,881	615,404	166,476	(263,689)	(285,843)
DC Proceeds	156,625	283,126	288,789	294,565	300,456	306,465	277,150	282,693	288,346	294,113
Transfer to Capital	-	36,250	24,160	-	386,240	-	738,385	716,187	310,500	316,700
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	(426,721)	(179,845)	84,784	379,349	295,260	609,346	154,168	(267,019)	(285,843)	(308,430)
Interest	-	-	-	1,696	7,621	6,058	12,308	3,330	-	-
Closing Balance	(426,721)	(179,845)	84,784	381,044	302,881	615,404	166,476	(263,689)	(285,843)	(308,430)

Watermain Reserve Fund Continuity

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Opening Balance	2,963,788	3,482,449	4,185,410	5,024,580	6,188,300	7,255,007	8,061,017	9,408,196	10,826,984	11,962,089
Transfer from Operating	1,617,380	1,531,562	1,641,102	1,735,028	1,835,502	1,933,510	2,041,773	2,158,237	2,284,565	2,421,469
Transfer to Capital	907,000	898,250	885,640	671,800	892,560	1,272,600	855,815	927,613	1,366,000	957,400
Transfer to Operating	250,995	-	-	-	-	-	-	-	-	-
Net of Transfers	3,423,173	4,115,761	4,940,872	6,087,808	7,131,241	7,915,917	9,246,975	10,638,820	11,745,549	13,426,158
Interest	59,276	69,649	83,708	100,492	123,766	145,100	161,220	188,164	216,540	239,242
Closing Balance	3,482,449	4,185,410	5,024,580	6,188,300	7,255,007	8,061,017	9,408,196	10,826,984	11,962,089	13,665,400

Water Facilities Reserve Fund Continuity

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Opening Balance	5,329,796	5,366,692	5,559,026	5,755,207	5,977,311	6,204,257	6,463,742	6,672,317	7,004,763	7,367,859
Transfer from Operating	85,000	85,000	85,000	107,000	129,000	152,000	175,000	199,000	223,000	247,000
Transfer to Capital	154,700	-	-	-	21,600	16,600	95,700	-	-	-
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	5,260,096	5,451,692	5,644,026	5,862,207	6,084,711	6,339,657	6,543,042	6,871,317	7,227,763	7,614,859
Interest	106,596	107,334	111,181	115,104	119,546	124,085	129,275	133,446	140,095	147,357
Closing Balance	5,366,692	5,559,026	5,755,207	5,977,311	6,204,257	6,463,742	6,672,317	7,004,763	7,367,859	7,762,216

Water Vehicle Reserve Fund Continuity

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Opening Balance	-	(30,000)	28,100	72,062	133,503	117,673	131,427	173,255	222,920	237,579
Transfer from Operating	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000
Transfer to Capital	90,000	1,300	16,600	-	78,500	48,600	20,800	13,800	49,800	1,600
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	(30,000)	28,700	71,500	132,062	115,003	129,073	170,627	219,455	233,120	295,979
Interest	-	(600)	562	1,441	2,670	2,353	2,629	3,465	4,458	4,752
Closing Balance	(30,000)	28,100	72,062	133,503	117,673	131,427	173,255	222,920	237,579	300,730

Water Rate Stabilization Reserve Fund Continuity

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Opening Balance	423,565	462,037	501,277	541,303	582,129	623,771	666,247	709,572	753,763	798,839
Transfer from Operating	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Transfer to Capital	-	-	-	-	-	-	-	-	-	-
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	453,565	492,037	531,277	571,303	612,129	653,771	696,247	739,572	783,763	828,839
Interest	8,471	9,241	10,026	10,826	11,643	12,475	13,325	14,191	15,075	15,977
Closing Balance	462,037	501,277	541,303	582,129	623,771	666,247	709,572	753,763	798,839	844,815

Appendix B-1

Wastewater Rate Forecast

Description	2015 Adopted	2016	2017	2018	2019	2020	2021	2022	2023	2024
Total Wastewater Billing Recovery		2,787,438	2,891,459	2,995,743	3,112,690	3,231,089	3,337,925	3,447,140	3,559,080	3,671,613
Total Weighted Consumption (m ³)		2,397,809	2,438,519	2,476,929	2,523,159	2,567,779	2,600,669	2,633,099	2,665,299	2,695,659
Variable Rate	\$ 1.1397	\$ 1.1625	\$ 1.1857	\$ 1.2095	\$ 1.2336	\$ 1.2583	\$ 1.2835	\$ 1.3092	\$ 1.3353	\$ 1.3620
Annual Increase (\$)		0.0228	0.0232	0.0237	0.0242	0.0247	0.0252	0.0257	0.0262	0.0267
Annual Increase (%)		2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%

Appendix B-2

Wastewater Operating Budget Forecast
Inflated \$

Description	Budget 2015	Forecast									Total
		2016	2017	2018	2019	2020	2021	2022	2023	2024	
Expenditures											
<u>Operating Costs</u>											
Payroll Related Expenditures	143,666	145,025	149,013	151,993	155,033	158,134	161,296	164,522	167,813	171,169	1,567,665
Benefits	41,060	41,073	41,822	42,658	43,512	44,382	45,269	46,175	47,098	48,040	441,090
Office Supplies & Equipment Maintenance	6,000	6,000	6,000	6,120	6,242	6,367	6,495	6,624	6,757	6,892	63,498
Memberships	200	200	200	204	208	212	216	221	225	230	2,117
Professional Develop. & Growth	9,000	9,000	9,000	9,180	9,364	9,551	9,742	9,937	10,135	10,338	95,247
Maint. Materials & Supplies	33,000	33,000	33,000	33,660	34,333	35,020	35,720	36,435	37,163	37,907	349,238
Maintenance Service ¹	117,000	117,000	297,000	302,940	308,999	315,179	321,482	327,912	334,470	341,160	2,783,142
Contract Services - WUC	1,415,000	1,422,004	1,463,467	1,505,502	1,550,430	1,596,176	1,639,600	1,684,009	1,729,482	1,775,634	15,781,305
Contract Services - Other	214,520	214,520	214,520	218,810	223,187	227,650	232,203	236,847	241,584	246,416	2,270,259
Professional Services	15,000	15,000	15,000	15,300	15,606	15,918	16,236	16,561	16,892	17,230	158,745
Utilities	38,050	38,800	39,565	40,356	41,163	41,987	42,826	43,683	44,557	45,448	416,435
Insurance	26,000	26,520	27,050	27,591	28,143	28,706	29,280	29,865	30,463	31,072	284,689
Grants & Donations ²	15,000	15,000	35,000	35,700	36,414	37,142	37,885	38,643	39,416	40,204	330,404
Other	47,150	47,150	47,150	48,093	49,055	50,036	51,037	52,057	53,099	54,161	498,987
Bad Debt Expense	4,200	4,200	4,200	4,284	4,370	4,457	4,546	4,637	4,730	4,824	44,448
Administration Charge	324,010	303,951	308,781	314,957	321,256	327,681	334,234	340,919	347,738	354,692	3,278,219
Total Operating Costs	2,448,856	2,438,443	2,690,768	2,757,349	2,827,314	2,898,598	2,968,070	3,039,049	3,111,623	3,185,417	28,365,486
<u>Capital Related</u>											
Non-Growth Related Debt	57,360	57,360	57,360	57,360	57,360	57,360	57,360	57,360	-	-	458,880
Non-Growth Related Debt-N. Talbot Rd Service Area	176,040	176,040	176,040	22,712	22,712	22,712	22,712	22,712	-	-	641,680
Growth Related Debt	1,461,428	1,461,428	1,084,677	704,144	567,570	341,340	161,122	245,110	245,110	245,110	6,517,039
Internal Debt	196,864	196,864	196,864	196,864	196,864	196,864	99,042	-	-	-	1,083,362
Transfer to Development Charge Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Transfer to Sanitary Sewer Reserve Fund	1,101,192	1,197,890	1,154,838	1,304,109	1,427,188	1,608,801	1,780,614	1,912,670	2,106,072	2,308,067	15,901,440
Transfer to Sanitary Sewer Facilities Reserve Fund	350,000	350,000	350,000	350,000	400,000	400,000	400,000	450,000	450,000	450,000	3,950,000
Transfer to Vehicle Reserve	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	600,000
Transfer to Rate Stabilization	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Total Capital Related	3,427,884	3,524,582	3,104,779	2,720,189	2,756,694	2,614,255	2,506,808	2,772,852	2,886,182	3,088,177	29,402,401
Total Expenditures	5,876,740	5,963,025	5,795,547	5,477,538	5,584,008	5,512,853	5,474,877	5,811,901	5,997,805	6,273,594	57,767,887
Revenues											
<u>Operating Revenue</u>											
Frontage Connection Fees	94,598	-	-	-	-	-	-	-	-	-	-
Miscellaneous Revenue	5,000	5,100	5,202	5,306	5,412	5,520	5,631	5,743	5,858	5,975	54,749
Total Operating Revenue	99,598	5,100	5,202	5,306	5,412	5,520	5,631	5,743	5,858	5,975	149,347
<u>Part XII Recoveries</u>											
Property Owner Recovery-N. Talbot Rd Service Area	176,040	176,040	176,040	22,712	22,712	22,712	22,712	22,712	-	-	641,680
Total Part XII Recoveries	176,040	176,040	176,040	22,712	22,712	22,712	22,712	22,712	-	-	641,680
<u>Reserve Transfers</u>											
Transfer from Dev. Charges Reserve Fund-Debt Repay	1,461,428	1,461,428	1,084,677	704,144	567,570	341,340	161,122	245,110	245,110	245,110	6,517,039
Transfer from Sanitary Sewer Reserve Fund	254,224	254,224	254,224	254,224	254,224	156,402	57,360	57,360	-	-	1,542,242
Transfer from Sanitary Sewer Facilities Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Transfer from Vehicle Reserve	-	-	-	-	-	-	-	-	-	-	-
Transfer from Rate Stabilization	-	-	-	-	-	-	-	-	-	-	-
Total Reserve Transfers	1,715,652	1,715,652	1,338,901	958,368	821,794	497,742	218,482	302,470	245,110	245,110	8,059,281
<u>Rate Revenue</u>											
Wastewater Fixed Rate Recovery	1,130,000	1,278,794	1,383,945	1,495,409	1,621,401	1,755,789	1,890,127	2,033,836	2,187,757	2,350,895	17,127,952
Wastewater Variable Rate Recovery	2,755,450	2,787,438	2,891,459	2,995,743	3,112,690	3,231,089	3,337,925	3,447,140	3,559,080	3,671,613	31,789,627
Total Rate Revenue Required for Full Cost Recovery	3,885,450	4,066,233	4,275,404	4,491,152	4,734,090	4,986,878	5,228,053	5,480,975	5,746,837	6,022,508	48,917,580
Total Revenues	5,876,740	5,963,025	5,795,547	5,477,538	5,584,008	5,512,853	5,474,877	5,811,901	5,997,805	6,273,594	57,767,887

¹ I&I allocation reduced by \$180,000 for 2016 and 2017 to fund annual payments for internal term debt re: Lakewood Pump Station (RCM-48/14)

² Grant subsidy allocation reduced by \$20,000 for 2016 and 2017 to fund annual payments for internal term debt re: Lakewood Pump Station (RCM-48/14)

Appendix B-3

Wastewater Fixed Charges

Total Wastewater	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	7,811	7,811	7,811	7,811	7,811	7,811	7,811	7,811	7,811	7,811
New	72	241	418	585	786	980	1,123	1,264	1,404	1,536
Total Customers	7,883	8,052	8,229	8,396	8,597	8,791	8,934	9,075	9,215	9,347
Total Annual Revenue	1,182,256	1,278,794	1,383,945	1,495,409	1,621,401	1,755,789	1,890,127	2,033,836	2,187,757	2,350,895

5/8" & 3/4"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	7,659	7,659	7,659	7,659	7,659	7,659	7,659	7,659	7,659	7,659
New	72	241	418	585	786	980	1,123	1,264	1,404	1,536
Total Customers	7,731	7,900	8,077	8,244	8,445	8,639	8,782	8,923	9,063	9,195
Monthly Base Charge	11.91	12.62	13.38	14.19	15.04	15.94	16.89	17.91	18.98	20.12
Annual Base Charge	142.92	151.50	160.58	170.22	180.43	191.26	202.73	214.90	227.79	241.46
Total Annual Revenue	1,104,915	1,196,812	1,297,044	1,403,294	1,523,758	1,652,288	1,780,417	1,917,542	2,064,486	2,220,228

1"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	79	79	79	79	79	79	79	79	79	79
New										
Total Customers	79	79	79	79	79	79	79	79	79	79
Monthly Base Charge	20.66	21.90	23.21	24.61	26.08	27.65	29.31	31.07	32.93	34.90
Annual Base Charge	247.92	262.80	278.56	295.28	312.99	331.77	351.68	372.78	395.15	418.86
Total Annual Revenue	19,586	20,761	22,006	23,327	24,726	26,210	27,783	29,450	31,217	33,090

1 1/2"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	8	8	8	8	8	8	8	8	8	8
New										
Total Customers	8	8	8	8	8	8	8	8	8	8
Monthly Base Charge	40.56	42.99	45.57	48.31	51.21	54.28	57.54	60.99	64.65	68.53
Annual Base Charge	486.72	515.92	546.88	579.69	614.47	651.34	690.42	731.85	775.76	822.30
Total Annual Revenue	3,894	4,127	4,375	4,638	4,916	5,211	5,523	5,855	6,206	6,578

2"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	59	59	59	59	59	59	59	59	59	59
New										
Total Customers	59	59	59	59	59	59	59	59	59	59
Monthly Base Charge	60.43	64.06	67.90	71.97	76.29	80.87	85.72	90.86	96.32	102.10
Annual Base Charge	725.16	768.67	814.79	863.68	915.50	970.43	1,028.65	1,090.37	1,155.79	1,225.14
Total Annual Revenue	42,784	45,352	48,073	50,957	54,014	57,255	60,691	64,332	68,192	72,283

3"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	3	3	3	3	3	3	3	3	3	3
New										
Total Customers	3	3	3	3	3	3	3	3	3	3
Monthly Base Charge	101.46	107.55	114.00	120.84	128.09	135.78	143.92	152.56	161.71	171.41
Annual Base Charge	1,217.52	1,290.57	1,368.01	1,450.09	1,537.09	1,629.32	1,727.08	1,830.70	1,940.54	2,056.97
Total Annual Revenue	3,653	3,872	4,104	4,350	4,611	4,888	5,181	5,492	5,822	6,171

4"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	2	2	2	2	2	2	2	2	2	2
New										
Total Customers	2	2	2	2	2	2	2	2	2	2
Monthly Base Charge	163.77	173.60	184.01	195.05	206.76	219.16	232.31	246.25	261.02	276.69
Annual Base Charge	1,965.24	2,083.15	2,208.14	2,340.63	2,481.07	2,629.93	2,787.73	2,954.99	3,132.29	3,320.23
Total Annual Revenue	3,930	4,166	4,416	4,681	4,962	5,260	5,575	5,910	6,265	6,640

6"	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Existing	1	1	1	1	1	1	1	1	1	1
New										
Total Customers	1	1	1	1	1	1	1	1	1	1
Monthly Base Charge	291.23	308.70	327.23	346.86	367.67	389.73	413.12	437.90	464.18	492.03
Annual Base Charge	3,494.76	3,704.45	3,926.71	4,162.32	4,412.05	4,676.78	4,957.38	5,254.83	5,570.12	5,904.32
Total Annual Revenue	3,495	3,704	3,927	4,162	4,412	4,677	4,957	5,255	5,570	5,904

Appendix B-4

Wastewater Capital Budget Forecast
Inflated \$

DESCRIPTION	TOTAL	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Lifecycle											
Facilities	4,852,700										
Vehicles	321,000	90,000	1,300	16,600		78,500	165,600	20,800	1,148,700	2,343,300	1,195,100
Sewers (no lifecycle replacements req'd in 10 years)	-								13,800	49,800	1,600
Arlington Boulevard Reconstruction Phase 1	82,800	22,500		60,300							
Arlington Boulevard Reconstruction Phase 2	64,200			2,600	61,600						
Shawnee/Arbour Reconstruction Phase 2	336,100		336,100								
Other Capital											
Rate Study	49,100	15,000				16,200					17,900
Lakewood Pumping Station	105,000	105,000									
Manning Road Sanitary Sewer Diversion	130,000	130,000									
Oldcastle Hamlet Servicing											
<i>Burke/Outer/Moro Sanitary Sewer Extension (NTR)</i>	775,500	775,500									
<i>Dumouchelle Street/Outer Drive Sanitary Sewer (NTR)</i>	434,000	28,000	406,000								
<i>Pulleyblank/Crowder/Moro Sanitary Sewer (NTR)</i>	642,200		37,700	604,500							
<i>Rossi Drive Sanitary Sewer (NTR)</i>	421,900			24,900	397,000						
<i>Country Road 11 (Walker) Sanitary Sewer Extension (NTR)</i>	942,900			52,000	53,100	837,800					
<i>Olympia/Astor/Solar Sanitary Sewer (NTR)</i>	836,000					49,300	786,700				
<i>8th Concession Trunk Sanitary EA (Easements)</i>	60,000	60,000									
<i>Delduca Drive Sanitary Sewer (8th Conc)</i>	1,002,900			81,200	79,600	842,100					
<i>Ure Street Sanitary Sewer (8th Conc)</i>	504,000					29,200	474,800				
<i>O'Neil Street (8th Conc)</i>	687,000							687,000			
<i>Hennin/Moynahan/Regal (8th Conc)</i>	819,000								819,000		
<i>County Rd 46/Webster (8th Conc)</i>	960,800									960,800	
<i>8th Concession (south of tracks to NTR)</i>	2,151,200										2,151,200
Sylvestre Industrial Area Servicing											
<i>Sylvestre Drive Sanitary Sewer Extension</i>	323,700				323,700						
Growth (DC Study)											
Wastewater Masterplan Update	80,000		40,000						40,000		
Sanitary Pump Station Condition Assessments	45,900		45,900								
Southwest Tecumseh Truck (WW-11B) Phase 1.1	765,200			55,100		710,100					
WW-11B Southwest Tecumseh Trunk Sewer - Part 2	2,096,400						1,037,800	1,058,600			
West Tecumseh Trunk Sanitary (WW-1A)	233,500					233,500					
Intersection Road Diversion Sanitary Sewers (WW-2)	71,700					71,700					
TOTAL CAPITAL EXPENDITURES	19,794,700	1,226,000	867,000	897,200	1,220,200	2,563,200	2,513,500	1,806,400	1,981,500	3,353,900	3,365,800
Capital Financing											
Provincial / Federal Grants	-										
Part XII Recoveries	10,237,400	863,500	443,700	762,600	529,700	1,758,400	1,261,500	687,000	819,000	960,800	2,151,200
Transfer from Development Charge Reserve Fund	94,079		57,150	36,929							
Non-Growth Related Debenture Requirements - Oldcastle	-										
Non-Growth Related Debenture Requirements	-										
Growth Related Debenture Requirements	2,176,346				259,144	475,918	695,547	745,737			
Transfer from Wastewater Sewers Reserve Fund	2,113,175	272,500	364,850	81,071	431,356	250,382	342,253	352,863			17,900
Transfer from Facilities Reserve Fund	4,852,700						165,600		1,148,700	2,343,300	1,195,100
Transfer from Vehicle Reserve Fund	321,000	90,000	1,300	16,600		78,500	48,600	20,800	13,800	49,800	1,600
Transfer from Rate Stabilization Reserve Fund	-										
TOTAL CAPITAL FINANCING	19,794,700	1,226,000	867,000	897,200	1,220,200	2,563,200	2,513,500	1,806,400	1,981,500	3,353,900	3,365,800

**Appendix B-5
Wastewater Debenture Repayments**

Schedule of Non-Growth Related Debenture Repayments

Debenture Year	Principal	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
2012	500,000	57,360	57,360	57,360	57,360	57,360	57,360	57,360	57,360	-	-
2013	-										
2014	-										
2015	-										
2016	-										
2017	-										
2018	-										
2019	-										
2020	-										
2021	-										
2022	-										
2023	-										
2024	-										
TOTAL ANNUAL DEBT CHARGES	500,000	57,360	57,360	57,360	57,360	57,360	57,360	57,360	57,360	-	-

Schedule of Non-Growth Related Debenture Repayments - North Talbot Road Service Area

Debenture Year	Principal	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
2012	920,000	176,040	176,040	176,040	22,712	22,712	22,712	22,712	22,712	-	-
2013											
2014											
2015											
2016											
2017											
2018											
2019											
2020											
2021											
2022											
2023											
2024											
TOTAL ANNUAL DEBT CHARGES	920,000	176,040	176,040	176,040	22,712	22,712	22,712	22,712	22,712	-	-

Schedule of Growth Related Debenture Repayments

Debenture Year	Principal	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Existing	2006	3,000,000	376,750	376,750	-	-	-	-	-	-	-	
	2007	3,000,000	380,534	380,534	380,533	-	-	-	-	-	-	
	2008	1,300,000	165,760	165,760	165,760	165,760	-	-	-	-	-	
	2009	2,300,000	279,830	279,830	279,830	279,830	279,830	-	-	-	-	
	2010	2,150,000	258,554	258,554	258,554	258,554	258,554	258,554	-	-	-	
	2011	-	-	-	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-	-	-	-
	2013	-	-	-	-	-	-	-	-	-	-	-
	2014	-	-	-	-	-	-	-	-	-	-	-
	2015	-	-	-	-	-	-	-	-	-	-	-
New	2016	-	-	-	-	-	-	-	-	-	-	
	2017	-	-	-	-	-	-	-	-	-	-	
	2018	259,144	-	-	-	-	29,186	29,186	29,186	29,186	29,186	
	2019	475,918	-	-	-	-	53,600	53,600	53,600	53,600	53,600	
	2020	695,547	-	-	-	-	-	78,336	78,336	78,336	78,336	
	2021	745,737	-	-	-	-	-	-	83,988	83,988	83,988	
	2022	-	-	-	-	-	-	-	-	-	-	
	2023	-	-	-	-	-	-	-	-	-	-	
	2024	-	-	-	-	-	-	-	-	-	-	
TOTAL ANNUAL DEBT CHARGES	13,926,346	1,461,428	1,461,428	1,084,677	704,144	567,570	341,340	161,122	245,110	245,110	245,110	

Appendix B-5 (continued)
Wastewater Debenture Repayments

Schedule of Internal Debt Repayments*

Debenture Year	Principal	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
2015	1,000,000	196,864	196,864	196,864	196,864	196,864	99,042	-	-	-	-
2016	-										
2017	-										
2018	-										
2019	-										
2020	-										
2021	-										
2022	-										
2023	-										
2024	-										
TOTAL ANNUAL DEBT CHARGES	1,000,000	196,864	196,864	196,864	196,864	196,864	99,042	-	-	-	-

* Internal borrowing of \$1 million at 2.5% to be repaid over 5.5 years re: Lakewood (Hayes) Pump Station.

Appendix B-6
Wastewater Reserve Funds

Wastewater Development Charges Reserve Fund Continuity

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Opening Balance	(7,081,328)	(8,102,299)	(8,818,484)	(9,121,649)	(8,990,983)	(8,707,047)	(8,179,851)	(7,556,522)	(7,001,493)	(6,430,460)
DC Proceeds	440,457	802,393	818,441	834,810	851,506	868,536	784,451	800,140	816,143	832,465
Transfer to Capital	-	57,150	36,929	-	-	-	-	-	-	-
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Transfer to Operating - Debt Repayment	1,461,428	1,461,428	1,084,677	704,144	567,570	341,340	161,122	245,110	245,110	245,110
Loan Repay to WW Sewers Reserve Fund	-	-	-	-	-	-	-	-	-	-
Net of Transfers	(8,102,299)	(8,818,484)	(9,121,649)	(8,990,983)	(8,707,047)	(8,179,851)	(7,556,522)	(7,001,493)	(6,430,460)	(5,843,104)
Interest	-	-	-	-	-	-	-	-	-	-
Closing Balance	(8,102,299)	(8,818,484)	(9,121,649)	(8,990,983)	(8,707,047)	(8,179,851)	(7,556,522)	(7,001,493)	(6,430,460)	(5,843,104)

Wastewater Sewers Reserve Fund Continuity

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Opening Balance	(770,438)	(211,379)	363,210	1,190,017	1,832,346	2,791,575	3,957,552	5,407,094	7,370,546	9,624,029
Transfer from Operating	1,101,192	1,197,890	1,154,838	1,304,109	1,427,188	1,608,801	1,780,614	1,912,670	2,106,072	2,308,067
Transfer to Capital	272,500	364,850	81,071	431,356	250,382	342,253	352,863	-	-	17,900
Transfer to Operating	254,224	254,224	254,224	254,224	254,224	156,402	57,360	57,360	-	-
Net of Transfers	(195,970)	367,437	1,182,752	1,808,546	2,754,928	3,901,720	5,327,943	7,262,404	9,476,618	11,914,196
Interest	(15,409)	(4,228)	7,264	23,800	36,647	55,831	79,151	108,142	147,411	192,481
Closing Balance	(211,379)	363,210	1,190,017	1,832,346	2,791,575	3,957,552	5,407,094	7,370,546	9,624,029	12,106,676

Wastewater Facilities Reserve Fund Continuity

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Opening Balance	2,619	352,671	709,725	1,073,919	1,445,398	1,874,306	2,146,192	2,589,115	1,942,198	87,742
Transfer from Operating	350,000	350,000	350,000	350,000	400,000	400,000	400,000	450,000	450,000	450,000
Transfer to Capital	-	-	-	-	-	165,600	-	1,148,700	2,343,300	1,195,100
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	352,619	702,671	1,059,725	1,423,919	1,845,398	2,108,706	2,546,192	1,890,415	48,898	(657,358)
Interest	52	7,053	14,194	21,478	28,908	37,486	42,924	51,782	38,844	1,755
Closing Balance	352,671	709,725	1,073,919	1,445,398	1,874,306	2,146,192	2,589,115	1,942,198	87,742	(655,603)

Wastewater Vehicle Reserve Fund Continuity

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Opening Balance	-	(30,000)	28,100	72,062	133,503	117,673	131,427	173,255	222,920	237,579
Transfer from Operating	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000
Transfer to Capital	90,000	1,300	16,600	-	78,500	48,600	20,800	13,800	49,800	1,600
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	(30,000)	28,700	71,500	132,062	115,003	129,073	170,627	219,455	233,120	295,979
Interest	-	(600)	562	1,441	2,670	2,353	2,629	3,465	4,458	4,752
Closing Balance	(30,000)	28,100	72,062	133,503	117,673	131,427	173,255	222,920	237,579	300,730
Required from Vehicle Reserve	90,000	1,300	16,600	-	78,500	48,600	20,800	13,800	49,800	1,600

Wastewater Rate Stabilization Reserve Continuity

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Opening Balance	-	25,000	50,500	76,510	103,040	130,101	157,703	185,857	214,574	243,866
Transfer from Operating	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Transfer to Capital	-	-	-	-	-	-	-	-	-	-
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	25,000	50,000	75,500	101,510	128,040	155,101	182,703	210,857	239,574	268,866
Interest	-	500	1,010	1,530	2,061	2,602	3,154	3,717	4,291	4,877
Closing Balance	25,000	50,500	76,510	103,040	130,101	157,703	185,857	214,574	243,866	273,743

Appendix C

THE CORPORATION OF THE TOWN OF TECUMSEH
Annual Debt Repayment Limit Update Calculation
 (see Ontario Regulation 403/02 Section 4)
 As of June 03 2015

	2015	
Repayment limit per most recent MMAH calculation 1.0	\$ 5,247,471	Per 2014 FIR Sch 81
Annual amount payable for long-term debt issued since last fiscal year end		

Note: no municipal debt issued in 2014

	2.0	\$ -
Annual amount payable for long-term debt discharged since last fiscal year end		

	3.0	\$ -
--	------------	------

	Subtotal 4.0 = 1.0 - 2.0 + 3.0	\$ 5,247,471
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Annual amount payable for approved projects to be financed by long-term debt but not yet issued

2013-2018 Part XII Charges North Talbot Road - 5yr	\$	504,730
2013-2018 Part XII Charges North Talbot Road - 10yr	\$	85,843

	5.0	\$ 590,573
--	------------	------------

Estimated annual amount of principal & interest to be payable for debt per S 408 (4)

	6.0	\$ -
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Any amount recognized by the treasurer as annually payable for financial obligations

	7.0	\$ -
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	Updated Debt Repayment Limit 8.0 = 4.0 - 5.0 - 6.0 - 7.0	\$ 4,656,898
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I, Luc Gagnon, Treasurer of the Corporation of the Town of Tecumseh do hereby certify this to be the Annual Debt Repayment Limit Update Calculation as at June 03, 2015

For Illustration Purposes:

Additional long term borrowing allowed # of repayment years	Assumed Borrowing Rate	Debt Availability
40	5.00%	\$79,908,116
20	3.20%	\$68,018,944
15	2.95%	\$55,795,337
10	2.56%	\$40,631,395
5	1.92%	\$22,001,159

Appendix D

Proceeds from Development Charges

Year	Residential New Housing #				Non-Res. Sq. Ft. Increase	DC Proceeds - Water					DC Proceeds - Wastewater				
	Low	Medium	High	Total		Low	Medium	High	Non-Res.	Total	Low	Medium	High	Non-Res.	Total
	Density	Density	Density			Density	Density	Density			Density	Density	Density		
						\$1,366	\$848	\$640	\$0.59		\$3,910	\$2,427	\$1,833	\$1.64	
2015	37.00	10.00	4.00	50.00	161,090	\$50,542	\$8,480	\$2,560	\$95,043	\$156,625	\$144,670	\$24,270	\$7,330	\$264,187	\$440,457
2016	110.00	29.00	12.00	150.00	161,090	\$153,265	\$25,084	\$7,834	\$96,944	\$283,126	\$438,702	\$71,791	\$22,430	\$269,471	\$802,393
2017	110.00	29.00	12.00	150.00	161,090	\$156,331	\$25,586	\$7,990	\$98,883	\$288,789	\$447,476	\$73,226	\$22,878	\$274,860	\$818,441
2018	110.00	29.00	12.00	150.00	161,090	\$159,457	\$26,097	\$8,150	\$100,860	\$294,565	\$456,426	\$74,691	\$23,336	\$280,357	\$834,810
2019	110.00	29.00	12.00	150.00	161,090	\$162,646	\$26,619	\$8,313	\$102,877	\$300,456	\$465,554	\$76,185	\$23,803	\$285,964	\$851,506
2020	110.00	29.00	12.00	150.00	161,090	\$165,899	\$27,152	\$8,479	\$104,935	\$306,465	\$474,865	\$77,709	\$24,279	\$291,684	\$868,536
2021	91.00	24.00	10.00	125.00	161,090	\$139,989	\$22,920	\$7,207	\$107,034	\$277,150	\$400,700	\$65,597	\$20,637	\$297,517	\$784,451
2022	91.00	24.00	10.00	125.00	161,090	\$142,789	\$23,378	\$7,352	\$109,174	\$282,693	\$408,714	\$66,909	\$21,050	\$303,468	\$800,140
2023	91.00	24.00	10.00	125.00	161,090	\$145,644	\$23,846	\$7,499	\$111,358	\$288,346	\$416,888	\$68,247	\$21,471	\$309,537	\$816,143
2024	91.00	24.00	10.00	125.00	161,090	\$148,557	\$24,323	\$7,649	\$113,585	\$294,113	\$425,226	\$69,612	\$21,900	\$315,728	\$832,465
	73%	19%	8%	100%						\$2,772,327					\$7,849,341

Per info provided by Watson & Associates used for the 2014 DC Study, the household growth forecast is comprised of a housing mix of:

- 73% low density
- 19% medium density
- 8% high density

These percentages were applied to the annual housing forecast found in Figure 3-2 of the 2014 Development Charge Study.

Per Schedule 10b of the 2014 DC Study, non-residential Gross Floor Area increase forecast to be 3,221,791 over 20 years

$$3,221,791 / 20 \text{ years} = 161,090$$

Appendix E-1

Sensitivity Analysis - Typical Residential Customer*

Based on average consumption volume of 20m³/month; 5/8 & 3/4" meter

Scenario A		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 2%	\$ 142.92	\$ 145.78	\$ 148.69	\$ 151.67	\$ 154.70	\$ 157.80	\$ 160.95	\$ 164.17	\$ 167.45	\$ 170.80
Water Variable	+ 2%	\$ 277.20	\$ 282.74	\$ 288.40	\$ 294.17	\$ 300.05	\$ 306.05	\$ 312.17	\$ 318.42	\$ 324.78	\$ 331.28
Wastewater Fixed	+ 2%	\$ 142.92	\$ 145.78	\$ 148.69	\$ 151.67	\$ 154.70	\$ 157.80	\$ 160.95	\$ 164.17	\$ 167.45	\$ 170.80
Wastewater Variable	+ 2%	\$ 273.53	\$ 279.00	\$ 284.58	\$ 290.27	\$ 296.08	\$ 302.00	\$ 308.04	\$ 314.20	\$ 320.48	\$ 326.89
Total Annual Bill		\$ 836.57	\$ 853.30	\$ 870.37	\$ 887.77	\$ 905.53	\$ 923.64	\$ 942.11	\$ 960.95	\$ 980.17	\$ 999.78
Annual \$ Increase		\$ 16.73	\$ 17.07	\$ 17.41	\$ 17.76	\$ 18.11	\$ 18.47	\$ 18.84	\$ 19.22	\$ 19.60	
Annual % Increase		2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	
Transfer to Watermain Reserve Fund (\$ million)		\$ 1.5	\$ 1.6	\$ 1.6	\$ 1.7	\$ 1.7	\$ 1.8	\$ 1.9	\$ 1.9	\$ 2.0	
Transfer to Wastewater Reserve Fund (\$ million)		\$ 1.1	\$ 1.1	\$ 1.1	\$ 1.2	\$ 1.3	\$ 1.4	\$ 1.4	\$ 1.5	\$ 1.6	

Scenario B		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	Double yr 1; + 2% yr 2 ->	\$ 142.92	\$ 285.84	\$ 291.56	\$ 297.39	\$ 303.34	\$ 309.40	\$ 315.59	\$ 321.90	\$ 328.34	\$ 334.91
Water Variable	Adj yr 1, + 2% yr 2 -> *	\$ 277.20	\$ 161.59	\$ 164.82	\$ 168.12	\$ 171.48	\$ 174.91	\$ 178.41	\$ 181.98	\$ 185.62	\$ 189.33
Wastewater Fixed	Double yr 1; + 2% yr 2 ->	\$ 142.92	\$ 285.84	\$ 291.56	\$ 297.39	\$ 303.34	\$ 309.40	\$ 315.59	\$ 321.90	\$ 328.34	\$ 334.91
Wastewater Variable	Adj yr 1, + 2% yr 2 -> *	\$ 273.53	\$ 160.66	\$ 163.87	\$ 167.15	\$ 170.49	\$ 173.90	\$ 177.38	\$ 180.92	\$ 184.54	\$ 188.23
Total Annual Bill		\$ 836.57	\$ 893.93	\$ 911.81	\$ 930.04	\$ 948.64	\$ 967.62	\$ 986.97	\$ 1,006.71	\$ 1,026.84	\$ 1,047.38
Annual \$ Increase		\$ 57.36	\$ 17.88	\$ 18.24	\$ 18.60	\$ 18.97	\$ 19.35	\$ 19.74	\$ 20.13	\$ 20.54	
Annual % Increase		6.86%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	

* Variable rate adjusted (decreased) in year 1 to recover full cost; increased by 2% annually thereafter.

Transfer to Watermain Reserve Fund (\$ million)	\$ 1.5	\$ 1.6	\$ 1.6	\$ 1.7	\$ 1.8	\$ 1.8	\$ 1.9	\$ 2.0	\$ 2.0	
Transfer to Wastewater Reserve Fund (\$ million)	\$ 1.1	\$ 1.1	\$ 1.2	\$ 1.2	\$ 1.3	\$ 1.4	\$ 1.5	\$ 1.6	\$ 1.7	

Scenario C		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 3%	\$ 142.92	\$ 147.21	\$ 151.62	\$ 156.17	\$ 160.86	\$ 165.68	\$ 170.65	\$ 175.77	\$ 181.05	\$ 186.48
Water Variable	+ 1%	\$ 277.20	\$ 279.97	\$ 282.77	\$ 285.60	\$ 288.46	\$ 291.34	\$ 294.25	\$ 297.20	\$ 300.17	\$ 303.17
Wastewater Fixed	+ 6%	\$ 142.92	\$ 151.50	\$ 160.58	\$ 170.22	\$ 180.43	\$ 191.26	\$ 202.73	\$ 214.90	\$ 227.79	\$ 241.46
Wastewater Variable	+ 3%	\$ 273.53	\$ 281.73	\$ 290.19	\$ 298.89	\$ 307.86	\$ 317.09	\$ 326.61	\$ 336.40	\$ 346.50	\$ 356.89
Total Annual Bill		\$ 836.57	\$ 860.41	\$ 885.17	\$ 910.88	\$ 937.60	\$ 965.38	\$ 994.25	\$ 1,024.27	\$ 1,055.50	\$ 1,088.00
Annual \$ Increase		\$ 23.84	\$ 24.76	\$ 25.72	\$ 26.72	\$ 27.77	\$ 28.87	\$ 30.02	\$ 31.23	\$ 32.50	
Annual % Increase		2.85%	2.88%	2.91%	2.93%	2.96%	2.99%	3.02%	3.05%	3.08%	

Transfer to Watermain Reserve Fund (\$ million)	\$ 1.6	\$ 1.7	\$ 1.7	\$ 1.7	\$ 1.8	\$ 1.8	\$ 1.9	\$ 1.9	\$ 2.0	\$ 2.0
Transfer to Wastewater Reserve Fund (\$ million)	\$ 1.2	\$ 1.2	\$ 1.4	\$ 1.6	\$ 1.8	\$ 2.0	\$ 2.2	\$ 2.4	\$ 2.6	

Scenario D		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 6%	\$ 142.92	\$ 151.50	\$ 160.58	\$ 170.22	\$ 180.43	\$ 191.26	\$ 202.73	\$ 214.90	\$ 227.79	\$ 241.46
Water Variable	+ 1%	\$ 277.20	\$ 279.98	\$ 282.78	\$ 285.60	\$ 288.46	\$ 291.34	\$ 294.26	\$ 297.19	\$ 300.17	\$ 303.17
Wastewater Fixed	+ 6%	\$ 142.92	\$ 151.50	\$ 160.58	\$ 170.22	\$ 180.43	\$ 191.26	\$ 202.73	\$ 214.90	\$ 227.79	\$ 241.46
Wastewater Variable	+ 3%	\$ 273.53	\$ 281.73	\$ 290.19	\$ 298.89	\$ 307.86	\$ 317.09	\$ 326.61	\$ 336.40	\$ 346.50	\$ 356.89
Total Annual Bill		\$ 836.57	\$ 864.71	\$ 894.14	\$ 924.93	\$ 957.18	\$ 990.95	\$ 1,026.34	\$ 1,063.39	\$ 1,102.25	\$ 1,142.98
Annual \$ Increase		\$ 28.14	\$ 29.43	\$ 30.79	\$ 32.25	\$ 33.77	\$ 35.39	\$ 37.05	\$ 38.86	\$ 40.73	
Annual % Increase		3.36%	3.40%	3.44%	3.49%	3.53%	3.57%	3.61%	3.65%	3.70%	

Transfer to Watermain Reserve Fund (\$ million)	\$ 1.6	\$ 1.7	\$ 1.8	\$ 1.9	\$ 2.0	\$ 2.2	\$ 2.3	\$ 2.4	\$ 2.5	
Transfer to Wastewater Reserve Fund (\$ million)	\$ 1.2	\$ 1.2	\$ 1.4	\$ 1.6	\$ 1.8	\$ 2.0	\$ 2.2	\$ 2.4	\$ 2.6	

Scenario E		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 6%	\$ 142.92	\$ 151.44	\$ 160.56	\$ 170.28	\$ 180.48	\$ 191.28	\$ 202.68	\$ 214.92	\$ 227.76	\$ 241.44
Water Variable	-4% yr 1; 0% yr 2 ->	\$ 277.20	\$ 266.11	\$ 266.11	\$ 266.11	\$ 266.11	\$ 266.11	\$ 266.11	\$ 266.11	\$ 266.11	\$ 266.11
Wastewater Fixed	+ 6%	\$ 142.92	\$ 151.44	\$ 160.56	\$ 170.28	\$ 180.48	\$ 191.28	\$ 202.68	\$ 214.92	\$ 227.76	\$ 241.44
Wastewater Variable	+ 3%	\$ 273.53	\$ 281.74	\$ 290.18	\$ 298.90	\$ 307.85	\$ 317.09	\$ 326.62	\$ 336.41	\$ 346.49	\$ 356.90
Total Annual Bill		\$ 836.57	\$ 850.73	\$ 877.42	\$ 905.57	\$ 934.92	\$ 965.76	\$ 998.09	\$ 1,032.36	\$ 1,068.12	\$ 1,105.90
Annual \$ Increase		\$ 14.16	\$ 26.69	\$ 28.15	\$ 29.35	\$ 30.84	\$ 32.33	\$ 33.97	\$ 35.76	\$ 37.78	
Annual % Increase		1.69%	3.14%	3.21%	3.24%	3.30%	3.35%	3.43%	3.46%	3.54%	

Transfer to Watermain Reserve Fund (\$ million)	\$ 1.5	\$ 1.5	\$ 1.6	\$ 1.7	\$ 1.7	\$ 1.8	\$ 1.9	\$ 2.0	\$ 2.1	
Transfer to Wastewater Reserve Fund (\$ million)	\$ 1.2	\$ 1.2	\$ 1.4	\$ 1.6	\$ 1.8	\$ 2.0	\$ 2.2	\$ 2.4	\$ 2.6	

Scenario F		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 6%	\$ 142.92	\$ 151.50	\$ 160.58	\$ 170.22	\$ 180.43	\$ 191.26	\$ 202.73	\$ 214.90	\$ 227.79	\$ 241.46
Water Variable	-2% yr 1; + 1% yr 2 ->	\$ 277.20	\$ 271.66	\$ 274.37	\$ 277.12	\$ 279.89	\$ 282.69	\$ 285.51	\$ 288.37	\$ 291.25	\$ 294.16
Wastewater Fixed	+ 6%	\$ 142.92	\$ 151.50	\$ 160.58	\$ 170.22	\$ 180.43	\$ 191.26	\$ 202.73	\$ 214.90	\$ 227.79	\$ 241.46
Wastewater Variable	+ 2%	\$ 273.53	\$ 279.00	\$ 284.58	\$ 290.27	\$ 296.08	\$ 302.00	\$ 308.04	\$ 314.20	\$ 320.48	\$ 326.89
Total Annual Bill		\$ 836.57	\$ 853.64	\$ 880.12	\$ 907.83	\$ 936.83	\$ 967.20	\$ 999.02	\$ 1,032.36	\$ 1,067.32	\$ 1,103.98
Annual \$ Increase		\$ 17.08	\$ 26.48	\$ 27.71	\$ 29.00	\$ 30.37	\$ 31.82	\$ 33.34	\$ 34.96	\$ 36.66	
Annual % Increase		2.04%	3.10%	3.15%	3.19%	3.24%	3.29%	3.34%	3.39%	3.43%	

Transfer to Watermain Reserve Fund (\$ million)	\$ 1.5	\$ 1.6	\$ 1.7	\$ 1.8	\$ 1.9	\$ 2.0	\$ 2.2	\$ 2.2	\$ 2.4	
Transfer to Wastewater Reserve Fund (\$ million)	\$ 1.2	\$ 1.2	\$ 1.3	\$ 1.4	\$ 1.5	\$ 1.7	\$ 1.9	\$ 2.1	\$ 2.3	

* For illustrative purposes only

Appendix E-2

Sensitivity Analysis - Typical Non-Residential Customer*

Based on average consumption volume of 90m³/month; 1" meter

Scenario A		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 2%	\$ 247.92	\$ 252.88	\$ 257.94	\$ 263.09	\$ 268.36	\$ 273.72	\$ 279.20	\$ 284.78	\$ 290.48	\$ 296.29
Water Variable	+ 2%	\$ 1,247.40	\$ 1,272.35	\$ 1,297.79	\$ 1,323.75	\$ 1,350.23	\$ 1,377.23	\$ 1,404.78	\$ 1,432.87	\$ 1,461.53	\$ 1,490.76
Wastewater Fixed	+ 2%	\$ 247.92	\$ 252.88	\$ 257.94	\$ 263.09	\$ 268.36	\$ 273.72	\$ 279.20	\$ 284.78	\$ 290.48	\$ 296.29
Wastewater Variable	+ 2%	\$ 1,230.88	\$ 1,255.49	\$ 1,280.60	\$ 1,306.22	\$ 1,332.34	\$ 1,358.99	\$ 1,386.17	\$ 1,413.89	\$ 1,442.17	\$ 1,471.01
Total Annual Bill		\$ 2,974.12	\$ 3,033.60	\$ 3,094.27	\$ 3,156.16	\$ 3,219.28	\$ 3,283.66	\$ 3,349.34	\$ 3,416.32	\$ 3,484.65	\$ 3,554.34
Annual \$ Increase			\$ 59.48	\$ 60.67	\$ 61.89	\$ 63.12	\$ 64.39	\$ 65.67	\$ 66.99	\$ 68.33	\$ 69.69
Annual % Increase			2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%

Scenario B		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	Double yr 1; + 2% yr 2 ->	\$ 247.92	\$ 495.84	\$ 505.76	\$ 515.87	\$ 526.19	\$ 536.71	\$ 547.45	\$ 558.40	\$ 569.56	\$ 580.96
Water Variable	Adj yr 1, + 2% yr 2 -> *	\$ 1,247.40	\$ 727.16	\$ 741.71	\$ 756.54	\$ 771.67	\$ 787.11	\$ 802.85	\$ 818.90	\$ 835.28	\$ 851.99
Wastewater Fixed	Double yr 1; + 2% yr 2 ->	\$ 247.92	\$ 495.84	\$ 505.76	\$ 515.87	\$ 526.19	\$ 536.71	\$ 547.45	\$ 558.40	\$ 569.56	\$ 580.96
Wastewater Variable	Adj yr 1, + 2% yr 2 ->	\$ 1,230.88	\$ 722.95	\$ 737.41	\$ 752.16	\$ 767.20	\$ 782.55	\$ 798.20	\$ 814.16	\$ 830.44	\$ 847.05
Total Annual Bill		\$ 2,974.12	\$ 2,441.80	\$ 2,490.63	\$ 2,540.44	\$ 2,591.25	\$ 2,643.08	\$ 2,695.94	\$ 2,749.86	\$ 2,804.86	\$ 2,860.95
Annual \$ Increase			-\$ 532.32	\$ 48.84	\$ 49.81	\$ 50.81	\$ 51.83	\$ 52.86	\$ 53.92	\$ 55.00	\$ 56.10
Annual % Increase			-17.90%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%

* Variable rate adjusted (decreased) in year 1 to recover full cost; increased by 2% annually thereafter.

Scenario C		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 3%	\$ 247.92	\$ 255.36	\$ 263.02	\$ 270.91	\$ 279.04	\$ 287.41	\$ 296.03	\$ 304.91	\$ 314.06	\$ 323.48
Water Variable	+ 1%	\$ 1,247.40	\$ 1,259.87	\$ 1,272.47	\$ 1,285.20	\$ 1,298.05	\$ 1,311.03	\$ 1,324.14	\$ 1,337.38	\$ 1,350.76	\$ 1,364.26
Wastewater Fixed	+ 6%	\$ 247.92	\$ 262.80	\$ 278.56	\$ 295.28	\$ 312.99	\$ 331.77	\$ 351.68	\$ 372.78	\$ 395.15	\$ 418.86
Wastewater Variable	+ 3%	\$ 1,230.88	\$ 1,267.80	\$ 1,305.84	\$ 1,345.01	\$ 1,385.36	\$ 1,426.92	\$ 1,469.73	\$ 1,513.82	\$ 1,559.24	\$ 1,606.01
Total Annual Bill		\$ 2,974.12	\$ 3,045.83	\$ 3,119.89	\$ 3,196.39	\$ 3,275.44	\$ 3,357.13	\$ 3,441.58	\$ 3,528.89	\$ 3,619.20	\$ 3,712.61
Annual \$ Increase			\$ 71.71	\$ 74.06	\$ 76.50	\$ 79.05	\$ 81.69	\$ 84.45	\$ 87.31	\$ 90.30	\$ 93.42
Annual % Increase			2.41%	2.43%	2.45%	2.47%	2.49%	2.52%	2.54%	2.56%	2.58%

Scenario D		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 6%	\$ 247.92	\$ 262.80	\$ 278.56	\$ 295.28	\$ 312.99	\$ 331.77	\$ 351.68	\$ 372.78	\$ 395.15	\$ 418.86
Water Variable	+ 1%	\$ 1,247.40	\$ 1,259.87	\$ 1,272.46	\$ 1,285.20	\$ 1,298.05	\$ 1,311.01	\$ 1,324.14	\$ 1,337.36	\$ 1,350.76	\$ 1,364.26
Wastewater Fixed	+ 6%	\$ 247.92	\$ 262.80	\$ 278.56	\$ 295.28	\$ 312.99	\$ 331.77	\$ 351.68	\$ 372.78	\$ 395.15	\$ 418.86
Wastewater Variable	+ 3%	\$ 1,230.88	\$ 1,267.80	\$ 1,305.84	\$ 1,345.01	\$ 1,385.36	\$ 1,426.92	\$ 1,469.73	\$ 1,513.82	\$ 1,559.24	\$ 1,606.01
Total Annual Bill		\$ 2,974.12	\$ 3,053.32	\$ 3,135.42	\$ 3,220.76	\$ 3,309.40	\$ 3,401.48	\$ 3,497.28	\$ 3,596.75	\$ 3,700.29	\$ 3,807.98
Annual \$ Increase			\$ 79.20	\$ 82.10	\$ 85.35	\$ 88.64	\$ 92.08	\$ 95.80	\$ 99.47	\$ 103.54	\$ 107.69
Annual % Increase			2.66%	2.69%	2.72%	2.75%	2.78%	2.82%	2.84%	2.88%	2.91%

Scenario E		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 6%	\$ 247.92	\$ 262.80	\$ 278.56	\$ 295.28	\$ 312.99	\$ 331.77	\$ 351.68	\$ 372.78	\$ 395.15	\$ 418.86
Water Variable	-4% yr 1; 0% yr 2 ->	\$ 1,247.40	\$ 1,197.50	\$ 1,197.50	\$ 1,197.50	\$ 1,197.50	\$ 1,197.50	\$ 1,197.50	\$ 1,197.50	\$ 1,197.50	\$ 1,197.50
Wastewater Fixed	+ 6%	\$ 247.92	\$ 262.80	\$ 278.56	\$ 295.28	\$ 312.99	\$ 331.77	\$ 351.68	\$ 372.78	\$ 395.15	\$ 418.86
Wastewater Variable	+ 3%	\$ 273.53	\$ 281.74	\$ 290.18	\$ 298.90	\$ 307.85	\$ 317.09	\$ 326.62	\$ 336.41	\$ 346.49	\$ 356.90
Total Annual Bill		\$ 2,016.77	\$ 2,004.83	\$ 2,044.81	\$ 2,086.95	\$ 2,131.34	\$ 2,178.14	\$ 2,227.48	\$ 2,279.47	\$ 2,334.29	\$ 2,392.12
Annual \$ Increase			-\$ 11.94	\$ 39.98	\$ 42.14	\$ 44.39	\$ 46.80	\$ 49.34	\$ 51.99	\$ 54.81	\$ 57.83
Annual % Increase			-0.59%	1.99%	2.06%	2.13%	2.20%	2.27%	2.33%	2.40%	2.48%

Scenario F		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 6%	\$ 247.92	\$ 262.80	\$ 278.56	\$ 295.28	\$ 312.99	\$ 331.77	\$ 351.68	\$ 372.78	\$ 395.15	\$ 418.86
Water Variable	-2% yr 1; + 1% yr 2 ->	\$ 1,247.40	\$ 1,222.45	\$ 1,234.68	\$ 1,247.02	\$ 1,259.49	\$ 1,272.09	\$ 1,284.81	\$ 1,297.66	\$ 1,310.63	\$ 1,323.74
Wastewater Fixed	+ 6%	\$ 247.92	\$ 262.80	\$ 278.56	\$ 295.28	\$ 312.99	\$ 331.77	\$ 351.68	\$ 372.78	\$ 395.15	\$ 418.86
Wastewater Variable	+ 2%	\$ 1,230.88	\$ 1,255.49	\$ 1,280.60	\$ 1,306.22	\$ 1,332.34	\$ 1,358.99	\$ 1,386.17	\$ 1,413.89	\$ 1,442.17	\$ 1,471.01
Total Annual Bill		\$ 2,974.12	\$ 3,003.54	\$ 3,072.41	\$ 3,143.79	\$ 3,217.82	\$ 3,294.62	\$ 3,374.33	\$ 3,457.11	\$ 3,543.10	\$ 3,632.46
Annual \$ Increase			\$ 29.42	\$ 68.87	\$ 71.39	\$ 74.03	\$ 76.80	\$ 79.71	\$ 82.77	\$ 85.99	\$ 89.37
Annual % Increase			0.99%	2.29%	2.32%	2.35%	2.39%	2.42%	2.45%	2.49%	2.52%

* For illustrative purposes only

Appendix E-3

Sensitivity Analysis - Large Consumer*

Based on 2014 consumption volumes

Scenario A		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 2%	\$ 17,530.44	\$ 17,881.05	\$ 18,238.67	\$ 18,603.44	\$ 18,975.51	\$ 19,355.02	\$ 19,742.12	\$ 20,136.97	\$ 20,539.70	\$ 20,950.50
Water Variable	+ 2%	\$ 318,203.21	\$ 324,567.27	\$ 331,058.61	\$ 337,679.79	\$ 344,433.38	\$ 351,322.05	\$ 358,348.49	\$ 365,515.46	\$ 372,825.77	\$ 380,282.29
Wastewater Fixed	+ 2%	\$ 17,530.44	\$ 17,881.05	\$ 18,238.67	\$ 18,603.44	\$ 18,975.51	\$ 19,355.02	\$ 19,742.12	\$ 20,136.97	\$ 20,539.70	\$ 20,950.50
Wastewater Variable	+ 2%	\$ 261,145.54	\$ 266,368.45	\$ 271,695.82	\$ 277,129.74	\$ 282,672.33	\$ 288,325.78	\$ 294,092.29	\$ 299,974.14	\$ 305,973.62	\$ 312,093.09
Total Annual Bill		\$ 614,409.62	\$ 626,697.82	\$ 639,231.77	\$ 652,016.41	\$ 665,056.74	\$ 678,357.87	\$ 691,925.03	\$ 705,763.53	\$ 719,878.80	\$ 734,276.38
Annual \$ Increase			\$ 12,288.19	\$ 12,533.96	\$ 12,784.64	\$ 13,040.33	\$ 13,301.13	\$ 13,567.16	\$ 13,838.50	\$ 14,115.27	\$ 14,397.58
Annual % Increase			2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%

Scenario B		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	Double yr 1; + 2% yr 2 ->	\$ 17,530.44	\$ 35,060.88	\$ 35,762.10	\$ 36,477.34	\$ 37,206.89	\$ 37,951.02	\$ 38,710.04	\$ 39,484.25	\$ 40,273.93	\$ 41,079.41
Water Variable	Adj yr 1, + 2% yr 2 -> *	\$ 318,203.21	\$ 185,504.90	\$ 189,215.00	\$ 192,999.30	\$ 196,859.28	\$ 200,796.47	\$ 204,812.40	\$ 208,908.64	\$ 213,086.82	\$ 217,348.55
Wastewater Fixed	Double yr 1; + 2% yr 2 ->	\$ 17,530.44	\$ 35,060.88	\$ 35,762.10	\$ 36,477.34	\$ 37,206.89	\$ 37,951.02	\$ 38,710.04	\$ 39,484.25	\$ 40,273.93	\$ 41,079.41
Wastewater Variable	Adj yr 1, + 2% yr 2 ->	\$ 261,145.54	\$ 153,394.65	\$ 156,462.54	\$ 159,591.79	\$ 162,783.63	\$ 166,039.30	\$ 169,360.09	\$ 172,747.29	\$ 176,202.23	\$ 179,726.28
Total Annual Bill		\$ 614,409.62	\$ 409,021.31	\$ 417,201.73	\$ 425,545.77	\$ 434,056.68	\$ 442,737.82	\$ 451,592.57	\$ 460,624.42	\$ 469,836.91	\$ 479,233.65
Annual \$ Increase			-\$ 205,388.32	\$ 8,180.43	\$ 8,344.03	\$ 8,510.92	\$ 8,681.13	\$ 8,854.76	\$ 9,031.85	\$ 9,212.49	\$ 9,396.74
Annual % Increase			-33.43%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%

* Variable rate adjusted (decreased) in year 1 to recover full cost; increased by 2% annually thereafter.

Scenario C		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 3%	\$ 17,530.44	\$ 18,056.35	\$ 18,598.04	\$ 19,155.99	\$ 19,730.66	\$ 20,322.58	\$ 20,932.26	\$ 21,560.23	\$ 22,207.04	\$ 22,873.25
Water Variable	+ 1%	\$ 318,203.21	\$ 321,385.24	\$ 324,599.09	\$ 327,845.08	\$ 331,123.53	\$ 334,434.77	\$ 337,779.11	\$ 341,156.91	\$ 344,568.47	\$ 348,014.16
Wastewater Fixed	+ 6%	\$ 17,530.44	\$ 18,582.27	\$ 19,697.20	\$ 20,879.03	\$ 22,131.78	\$ 23,459.68	\$ 24,867.26	\$ 26,359.30	\$ 27,940.86	\$ 29,617.31
Wastewater Variable	+ 3%	\$ 261,145.54	\$ 268,979.91	\$ 277,049.30	\$ 285,360.78	\$ 293,921.61	\$ 302,739.25	\$ 311,821.43	\$ 321,176.07	\$ 330,811.36	\$ 340,735.70
Total Annual Bill		\$ 614,409.62	\$ 627,003.76	\$ 639,943.64	\$ 653,240.88	\$ 666,907.58	\$ 680,956.29	\$ 695,400.07	\$ 710,252.51	\$ 725,527.73	\$ 741,240.41
Annual \$ Increase			\$ 12,594.14	\$ 12,939.88	\$ 13,297.24	\$ 13,666.70	\$ 14,048.71	\$ 14,443.78	\$ 14,852.44	\$ 15,275.22	\$ 15,712.69
Annual % Increase			2.05%	2.06%	2.08%	2.09%	2.11%	2.12%	2.14%	2.15%	2.17%

Scenario D		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 6%	\$ 17,530.44	\$ 18,582.27	\$ 19,697.20	\$ 20,879.03	\$ 22,131.78	\$ 23,459.68	\$ 24,867.26	\$ 26,359.30	\$ 27,940.86	\$ 29,617.31
Water Variable	+ 1%	\$ 318,203.21	\$ 321,385.24	\$ 324,599.09	\$ 327,845.08	\$ 331,123.53	\$ 334,434.77	\$ 337,779.11	\$ 341,156.91	\$ 344,568.47	\$ 348,014.16
Wastewater Fixed	+ 6%	\$ 17,530.44	\$ 18,582.27	\$ 19,697.20	\$ 20,879.03	\$ 22,131.78	\$ 23,459.68	\$ 24,867.26	\$ 26,359.30	\$ 27,940.86	\$ 29,617.31
Wastewater Variable	+ 3%	\$ 261,145.54	\$ 268,979.91	\$ 277,049.30	\$ 285,360.78	\$ 293,921.61	\$ 302,739.25	\$ 311,821.43	\$ 321,176.07	\$ 330,811.36	\$ 340,735.70
Total Annual Bill		\$ 614,409.62	\$ 627,529.68	\$ 641,042.80	\$ 654,963.93	\$ 669,308.69	\$ 684,093.39	\$ 699,335.07	\$ 715,051.58	\$ 731,261.55	\$ 747,984.47
Annual \$ Increase			\$ 13,120.05	\$ 13,513.12	\$ 13,921.13	\$ 14,344.76	\$ 14,784.70	\$ 15,241.69	\$ 15,716.51	\$ 16,209.97	\$ 16,722.93
Annual % Increase			2.14%	2.15%	2.17%	2.19%	2.21%	2.23%	2.25%	2.27%	2.29%

Scenario E		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 6%	\$ 17,530.44	\$ 18,582.27	\$ 19,697.20	\$ 20,879.03	\$ 22,131.78	\$ 23,459.68	\$ 24,867.26	\$ 26,359.30	\$ 27,940.86	\$ 29,617.31
Water Variable	-4% yr 1; 0% yr 2 ->	\$ 318,203.21	\$ 305,475.08	\$ 305,475.08	\$ 305,475.08	\$ 305,475.08	\$ 305,475.08	\$ 305,475.08	\$ 305,475.08	\$ 305,475.08	\$ 305,475.08
Wastewater Fixed	+ 6%	\$ 17,530.44	\$ 18,582.27	\$ 19,697.20	\$ 20,879.03	\$ 22,131.78	\$ 23,459.68	\$ 24,867.26	\$ 26,359.30	\$ 27,940.86	\$ 29,617.31
Wastewater Variable	+ 3%	\$ 261,145.54	\$ 268,979.91	\$ 277,049.30	\$ 285,360.78	\$ 293,921.61	\$ 302,739.25	\$ 311,821.43	\$ 321,176.07	\$ 330,811.36	\$ 340,735.70
Total Annual Bill		\$ 614,409.62	\$ 611,619.52	\$ 621,918.78	\$ 632,593.93	\$ 643,660.24	\$ 655,133.70	\$ 667,031.04	\$ 679,369.75	\$ 692,168.15	\$ 705,445.39
Annual \$ Increase			-\$ 2,790.11	\$ 10,299.27	\$ 10,675.14	\$ 11,066.31	\$ 11,473.46	\$ 11,897.34	\$ 12,338.71	\$ 12,798.40	\$ 13,277.24
Annual % Increase			-0.45%	1.68%	1.72%	1.75%	1.78%	1.82%	1.85%	1.88%	1.92%

Scenario F		Base 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Fixed	+ 6%	\$ 17,530.44	\$ 18,582.27	\$ 19,697.20	\$ 20,879.03	\$ 22,131.78	\$ 23,459.68	\$ 24,867.26	\$ 26,359.30	\$ 27,940.86	\$ 29,617.31
Water Variable	-2% yr 1; + 1% yr 2 ->	\$ 318,203.21	\$ 311,839.14	\$ 314,957.53	\$ 318,107.11	\$ 321,288.18	\$ 324,501.06	\$ 327,746.07	\$ 331,023.53	\$ 334,333.77	\$ 337,677.10
Wastewater Fixed	+ 6%	\$ 17,530.44	\$ 18,582.27	\$ 19,697.20	\$ 20,879.03	\$ 22,131.78	\$ 23,459.68	\$ 24,867.26	\$ 26,359.30	\$ 27,940.86	\$ 29,617.31
Wastewater Variable	+ 2%	\$ 261,145.54	\$ 266,368.45	\$ 271,695.82	\$ 277,129.74	\$ 282,672.33	\$ 288,325.78	\$ 294,092.29	\$ 299,974.14	\$ 305,973.62	\$ 312,093.09
Total Annual Bill		\$ 614,409.62	\$ 615,372.12	\$ 626,047.76	\$ 636,994.91	\$ 648,224.06	\$ 659,746.20	\$ 671,572.89	\$ 683,716.27	\$ 696,189.10	\$ 709,004.82
Annual \$ Increase			\$ 962.50	\$ 10,675.63	\$ 10,947.16	\$ 11,229.15	\$ 11,522.14	\$ 11,826.69	\$ 12,143.38	\$ 12,472.83	\$ 12,815.71
Annual % Increase			0.16%	1.73%	1.75%	1.76%	1.78%	1.79%	1.81%	1.82%	1.84%

* For illustrative purposes only

**Appendix F
Water and Wastewater Vehicles**

Asset ID	Asset Name	Asset Description	Year In Service	Estimated Useful Life	Replacement Year	Years Until Replacement	2015 Replacement Cost	Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
W05-02	Single Axle	2002 International Single Axle	2001	10	2015	0	\$ 150,000	\$ 15,000	\$ 15,000	\$ 182,849	\$ 16,699
W08-08	Pickup	2008 Silverado Extended Cab 4 X 4	2008	7	2017	2	\$ 32,000	\$ 4,571	\$ 16,000	\$ 36,758	\$ 18,197
W01-10	Pickup	2010 GMC Sierra	2010	7	2019	4	\$ 30,000	\$ 4,286	\$ 7,500	\$ 34,461	\$ 8,361
W06-11	Service Truck	2011 Ford Service Truck	2010	7	2019	4	\$ 85,000	\$ 12,143	\$ 21,250	\$ 97,638	\$ 23,689
W07-12	Pickup	2012 Dodge Ram Pickup (red)	2011	7	2021	6	\$ 37,000	\$ 5,286	\$ 6,167	\$ 42,501	\$ 6,738
W04-12	Service Truck	2012 GMC Sierra 2500 Ext. Cab Service Truck	2011	7	2019	4	\$ 45,000	\$ 6,429	\$ 11,250	\$ 51,691	\$ 12,541
W02-14	Pickup	2014 Dodge Quad Cab Pickup Truck	2013	7	2022	7	\$ 24,000	\$ 3,429	\$ 3,429	\$ 27,568	\$ 3,708
W03-14	Pickup	2014 Ford Truck M.D. Model F450 4X2 Supercab	2014	7	2023	8	\$ 85,000	\$ 12,143	\$ 10,625	\$ 97,638	\$ 11,376
WE9-10	Backhoe	John Deere 310D Backhoe	2010	10	2020	5	\$ 88,000	\$ 8,800	\$ 17,600	\$ 107,272	\$ 20,613
WE10-04	Trailer	Utility Trailer	2004	8	2016	1	\$ 2,600	\$ 325	\$ 2,600	\$ 3,046	\$ 3,046
Totals							\$ 578,600	\$ 72,411	\$ 111,420	\$ 681,423	\$ 124,969

Allocation to Water 50%	\$ 289,300	\$ 36,205	\$ 55,710	\$ 340,711	\$ 62,484
Allocation to Wastewater 50%	\$ 289,300	\$ 36,205	\$ 55,710	\$ 340,711	\$ 62,484

¹ EUL = End of useful life; EUL calculations takes into account remaining years of useful life.

² In cases where assets have no remaining useful life, Inflated Replacement Cost and EUL Lifecycle were calculated for the next replacement cycle.

**Appendix G-1
Water Facilities**

Asset Name	Description	Location	In-Service Year	Estimated Useful Life	Asset Age	Useful Life Remaining	Replacement Cost	Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
Metering Facility	300 mm Metering Facility (boundary meter)	12030 Dillon Dr	2007	50	8	42	\$ 109,400	\$ 2,190	\$ 2,610	\$ 251,319	\$ 3,875
Metering Facility	Metering Facility SCADA	12030 Dillon Dr	2007	10	8	2	\$ 75,000	\$ 7,500	\$ 37,500	\$ 78,030	\$ 38,629
Metering Facility	200 mm Metering Facility (boundary meter)	12010 McNorton St.	2007	50	8	42	\$ 75,000	\$ 1,500	\$ 1,790	\$ 172,293	\$ 2,656
Metering Facility	Metering Facility SCADA	12010 McNorton St.	2007	10	8	2	\$ 75,000	\$ 7,500	\$ 37,500	\$ 78,030	\$ 38,629
Metering Facility	350 mm Metering Facility (boundary meter)	11805 Tecumseh Rd. E.	2007	50	8	42	\$ 120,000	\$ 2,400	\$ 2,860	\$ 275,669	\$ 4,250
Metering Facility	Metering Facility SCADA	11805 Tecumseh Rd. E.	2007	10	8	2	\$ 75,000	\$ 7,500	\$ 37,500	\$ 78,030	\$ 38,629
Metering Facility	500 mm Metering Facility (boundary meter)	11807 Mulberry Dr.	2007	50	8	42	\$ 140,000	\$ 2,800	\$ 3,340	\$ 321,614	\$ 4,958
Metering Facility	Metering Facility SCADA	11807 Mulberry Dr.	2007	10	8	2	\$ 75,000	\$ 7,500	\$ 37,500	\$ 78,030	\$ 38,629
Metering Facility	450 mm Metering Facility (boundary meter)	11604 Intersection Rd.	2009	50	6	44	\$ 120,000	\$ 2,400	\$ 2,730	\$ 286,806	\$ 4,127
Metering Facility	Metering Facility SCADA	11604 Intersection Rd.	2009	10	6	4	\$ 75,000	\$ 7,500	\$ 18,750	\$ 81,182	\$ 19,697
Metering Facility	150 mm Metering Facility (boundary meter)	10005 County Road 42	2009	50	6	44	\$ 166,800	\$ 3,340	\$ 3,800	\$ 398,661	\$ 5,736
Metering Facility	Metering Facility SCADA	10005 County Road 42	2009	10	6	4	\$ 75,000	\$ 7,500	\$ 18,750	\$ 81,182	\$ 19,697
Metering Facility	150 mm Metering Facility (boundary meter)	9150 Baseline	2009	50	6	44	\$ 38,000	\$ 760	\$ 870	\$ 90,822	\$ 1,307
Metering Facility	Metering Facility SCADA	9150 Baseline	2009	10	6	4	\$ 75,000	\$ 7,500	\$ 18,750	\$ 81,182	\$ 19,697
Metering Facility	150 mm Metering Facility (boundary meter)	4970 8th Concession Road	2009	50	6	44	\$ 166,800	\$ 3,340	\$ 3,800	\$ 398,661	\$ 5,736
Metering Facility	Metering Facility SCADA	4970 8th Concession Road	2009	10	6	4	\$ 75,000	\$ 7,500	\$ 18,750	\$ 81,182	\$ 19,697
Metering Facility	200 mm Metering Facility (boundary meter)	3525 County Road 46	2009	50	6	44	\$ 166,800	\$ 3,340	\$ 3,800	\$ 398,661	\$ 5,736
Metering Facility	Metering Facility SCADA	3525 County Road 46	2009	10	6	4	\$ 75,000	\$ 7,500	\$ 18,750	\$ 81,182	\$ 19,697
Metering Facility	200 mm Metering Facility (boundary meter)	4850 Walker Road	2009	50	6	44	\$ 109,400	\$ 2,190	\$ 2,490	\$ 261,472	\$ 3,762
Metering Facility	Metering Facility SCADA	4850 Walker Road	2009	10	6	4	\$ 75,000	\$ 7,500	\$ 18,750	\$ 81,182	\$ 19,697
Metering Facility	200 mm Metering Facility (boundary meter)	1730 North Talbot Road	2009	50	6	44	\$ 75,000	\$ 1,500	\$ 1,710	\$ 179,254	\$ 2,579
Metering Facility	Metering Facility SCADA	1730 North Talbot Road	2009	10	6	4	\$ 75,000	\$ 7,500	\$ 18,750	\$ 81,182	\$ 19,697
Metering Facility	150 mm Metering Facility (boundary meter)	4800 County Road 9	2009	50	6	44	\$ 75,000	\$ 1,500	\$ 1,710	\$ 179,254	\$ 2,579
Metering Facility	Metering Facility SCADA	4800 County Road 9	2009	10	6	4	\$ 75,000	\$ 7,500	\$ 18,750	\$ 81,182	\$ 19,697
Water Tower	Water Tower Structure	N/S Tecumseh Rd. E.	1992	50	23	27	\$ 4,100,000	\$ 82,000	\$ 151,860	\$ 6,998,235	\$ 198,002
Water Tower	Water Tower SCADA	N/S Tecumseh Rd. E.	2007	10	8	2	\$ 75,000	\$ 7,500	\$ 37,500	\$ 78,030	\$ 38,629
Environmental Building ³	Equipment Garage Structure	1189 Lacasse Blvd.	1985	50	30	20	\$ 178,000	\$ 3,560	\$ 8,900	\$ 264,499	\$ 10,886
Environmental Building ³	Equipment Garage Roof	1189 Lacasse Blvd.	1985	20	30	0	\$ 77,500	\$ 3,880	\$ 3,880	\$ 115,161	\$ 5,758
Environmental Building ³	Equipment Garage HVAC	1189 Lacasse Blvd.	2007	20	8	12	\$ 5,500	\$ 280	\$ 460	\$ 6,975	\$ 520
Environmental Building ³	Office Structure	1189 Lacasse Blvd.	1996	50	19	31	\$ 320,000	\$ 6,400	\$ 10,330	\$ 591,228	\$ 13,951
Environmental Building ³	Office Roof	1189 Lacasse Blvd.	1996	20	19	1	\$ 42,500	\$ 2,130	\$ 42,500	\$ 43,350	\$ 43,350
Environmental Building ³	Office HVAC	1189 Lacasse Blvd.	1996	20	19	1	\$ 17,500	\$ 880	\$ 17,500	\$ 17,850	\$ 17,850
Environmental Building ³	Office HVAC 10 Ton Unit	1189 Lacasse Blvd.	2011	20	4	16	\$ 5,000	\$ 250	\$ 320	\$ 6,864	\$ 368
Totals							\$ 7,083,200	\$ 224,140	\$ 604,760	\$ 12,298,257	\$ 688,703

¹ EUL = End of useful life; EUL calculations take into account remaining years of useful life.

² In cases where assets have no remaining useful life, Inflated Replacement Cost and EUL Lifecycle were calculated for the next replacement cycle.

³ Facility shared with Wastewater. Costs allocated equally.

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
7	GAUTHIER DR	PVC	DistMain	T112	150	43.7	1980	80	35	45	\$ 17,820	\$ 7,420	\$ 25,240	\$ 320	\$ 570	\$ 61,531	\$ 856
8	LACASSE BLVD	PVC	DistMain	T141	150	2.1	1987	80	28	52	\$ 930	\$ -	\$ 930	\$ 20	\$ 20	\$ 2,604	\$ 29
9	DUBE DR	PVC	DistMain	T140	150	2.3	1987	80	28	52	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 20	\$ 2,884	\$ 32
10	LACASSE BLVD	PVC	DistMain	T141	150	4.2	1987	80	28	52	\$ 1,760	\$ -	\$ 1,760	\$ 30	\$ 40	\$ 4,929	\$ 55
11	LACASSE BLVD	PVC	DistMain	T141	150	103.1	1987	80	28	52	\$ 42,020	\$ -	\$ 42,020	\$ 530	\$ 810	\$ 117,670	\$ 1,307
12	KIMBERLY DR	PVC	DistMain	T142	150	1.2	1987	80	28	52	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 1,456	\$ 16
13	KIMBERLY DR	PVC	DistMain	T142	150	3.3	1987	80	28	52	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 30	\$ 3,752	\$ 42
14	KIMBERLY DR	PVC	DistMain	T142	150	100.6	1987	80	28	52	\$ 40,990	\$ 22,040	\$ 63,030	\$ 790	\$ 1,220	\$ 176,505	\$ 1,961
15	KIMBERLY DR	PVC	DistMain	T144	150	19.7	1987	80	28	52	\$ 8,040	\$ 2,480	\$ 10,520	\$ 140	\$ 210	\$ 29,459	\$ 327
16	KIMBERLY DR	PVC	DistMain	T144	150	31.4	1987	80	28	52	\$ 12,770	\$ 4,950	\$ 17,720	\$ 230	\$ 350	\$ 49,622	\$ 551
17	DILLON DR	CONC	Trunk	T023	400	341.4	1969	60	46	14	\$ 284,400	\$ 4,950	\$ 289,350	\$ 3,620	\$ 20,670	\$ 381,791	\$ 23,901
18	LACASSE BLVD	CONC	Trunk	T065	400	2.5	1969	60	46	14	\$ 2,170	\$ -	\$ 2,170	\$ 30	\$ 160	\$ 2,863	\$ 179
20	LESPERANCE RD	PVC	DistMain	T006	200	8.5	1999	80	16	64	\$ 4,120	\$ -	\$ 4,120	\$ 60	\$ 70	\$ 14,632	\$ 115
21	LESPERANCE RD	PVC	Trunk	T022	300	57.1	2005	80	10	70	\$ 30,890	\$ 4,950	\$ 35,840	\$ 450	\$ 520	\$ 143,344	\$ 956
23	LESPERANCE RD	PVC	Trunk	T022	300	14.2	2005	80	10	70	\$ 7,730	\$ -	\$ 7,730	\$ 100	\$ 120	\$ 30,917	\$ 206
25	RIVERSIDE DR	PVC	DistMain	T007	200	2.9	2005	80	10	70	\$ 1,450	\$ 2,480	\$ 3,930	\$ 50	\$ 60	\$ 15,718	\$ 105
26	RIVERSIDE DR	PVC	DistMain	T007	200	24.9	2005	80	10	70	\$ 12,050	\$ -	\$ 12,050	\$ 160	\$ 180	\$ 48,195	\$ 321
27	RIVERSIDE DR	PVC	DistMain	T007	200	0.6	2005	80	10	70	\$ 420	\$ 2,480	\$ 2,900	\$ 40	\$ 50	\$ 11,599	\$ 77
28	RIVERSIDE DR	PVC	DistMain	T007	200	0.6	1999	80	16	64	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,492	\$ 12
29	RIVERSIDE DR	PVC	DistMain	T007	200	3.1	1999	80	16	64	\$ 1,550	\$ -	\$ 1,550	\$ 20	\$ 30	\$ 5,505	\$ 43
35	RIVERSIDE DR	PVC	DistMain	T007	200	115.9	1999	80	16	64	\$ 56,020	\$ 22,040	\$ 78,060	\$ 980	\$ 1,220	\$ 277,230	\$ 2,173
36	WINCLARE DR	PVC	DistMain	T002	150	0.5	1999	80	16	64	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 746	\$ 6
37	WINCLARE DR	PVC	DistMain	T002	150	0.7	1999	80	16	64	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,101	\$ 9
38	WINCLARE DR	PVC	DistMain	T002	150	1.8	1999	80	16	64	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 2,948	\$ 23
39	RIVERSIDE DR	PVC	DistMain	T001	200	3.6	1999	80	16	64	\$ 1,760	\$ -	\$ 1,760	\$ 30	\$ 30	\$ 6,251	\$ 49
40	RIVERSIDE DR	PVC	DistMain	T001	200	40.7	1999	80	16	64	\$ 19,770	\$ 4,950	\$ 24,720	\$ 310	\$ 390	\$ 87,793	\$ 688
41	RIVERSIDE DR	PVC	DistMain	T001	200	0.6	1999	80	16	64	\$ 420	\$ 2,480	\$ 2,900	\$ 40	\$ 50	\$ 10,299	\$ 81
42	WINCLARE DR	PVC	DistMain	T002	150	32.8	1993	80	22	58	\$ 13,390	\$ -	\$ 13,390	\$ 170	\$ 240	\$ 42,227	\$ 392
43	WINCLARE DR	PVC	DistMain	T002	150	59.2	1993	80	22	58	\$ 24,100	\$ 29,350	\$ 53,450	\$ 670	\$ 930	\$ 168,561	\$ 1,565
44	CATALINA COVE	PVC	DistMain	T004	150	83.6	1993	80	22	58	\$ 34,090	\$ 29,350	\$ 63,440	\$ 800	\$ 1,100	\$ 200,066	\$ 1,858
45	RIVERSIDE DR	PVC	DistMain	T008	200	89.7	1999	80	16	64	\$ 43,350	\$ 14,730	\$ 58,080	\$ 730	\$ 910	\$ 206,271	\$ 1,617
46	PINEWOOD CRES	PVC	DistMain	T009	150	0.6	1999	80	16	64	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,101	\$ 9
47	PINEWOOD CRES	PVC	DistMain	T009	150	0.4	1999	80	16	64	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 746	\$ 6
48	PINEWOOD CRES	PVC	DistMain	T009	150	0.4	1999	80	16	64	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 746	\$ 6
49	RIVERSIDE DR	PVC	DistMain	T010	200	4.4	1999	80	16	64	\$ 2,170	\$ -	\$ 2,170	\$ 30	\$ 40	\$ 7,707	\$ 60
50	PINEWOOD CRES	PVC	DistMain	T009	150	13.3	1989	80	26	54	\$ 5,460	\$ 2,480	\$ 7,940	\$ 100	\$ 150	\$ 23,133	\$ 242
51	PINEWOOD CRES	PVC	DistMain	T009	150	55.2	1989	80	26	54	\$ 22,550	\$ -	\$ 22,550	\$ 290	\$ 420	\$ 65,699	\$ 687
52	PINEWOOD CRES	PVC	DistMain	T009	150	89.7	1989	80	26	54	\$ 36,560	\$ 29,350	\$ 65,910	\$ 830	\$ 1,230	\$ 192,026	\$ 2,007
53	RIVERSIDE DR	PVC	DistMain	T010	200	3.1	1999	80	16	64	\$ 1,550	\$ -	\$ 1,550	\$ 20	\$ 30	\$ 5,505	\$ 43
54	RIVERSIDE DR	PVC	DistMain	T010	200	2.7	1999	80	16	64	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 30	\$ 4,759	\$ 37
55	RIVERSIDE DR	PVC	DistMain	T011	200	64.6	1999	80	16	64	\$ 31,200	\$ 7,420	\$ 38,620	\$ 490	\$ 610	\$ 137,159	\$ 1,075
56	RIVERSIDE DR	PVC	DistMain	T012	200	95.0	1999	80	16	64	\$ 45,930	\$ 24,510	\$ 70,440	\$ 890	\$ 1,110	\$ 250,167	\$ 1,961
57	RIVERSIDE DR	PVC	DistMain	T012	200	26.3	1999	80	16	64	\$ 12,770	\$ 4,950	\$ 17,720	\$ 230	\$ 280	\$ 62,932	\$ 493
58	RIVERSIDE DR	PVC	DistMain	T013	200	6.1	1999	80	16	64	\$ 2,990	\$ 2,480	\$ 5,470	\$ 70	\$ 90	\$ 19,427	\$ 152
59	BARRY AVE	PVC	DistMain	T033	150	2.1	1999	80	16	64	\$ 930	\$ -	\$ 930	\$ 20	\$ 20	\$ 3,303	\$ 26
60	BARRY AVE	PVC	DistMain	T033	150	0.7	1999	80	16	64	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,101	\$ 9
61	RIVERSIDE DR	PVC	DistMain	T013	200	74.0	1999	80	16	64	\$ 35,840	\$ 17,200	\$ 53,040	\$ 670	\$ 830	\$ 188,371	\$ 1,477
62	RIVERSIDE DR	PVC	DistMain	T013	200	100.2	1999	80	16	64	\$ 48,500	\$ 22,040	\$ 70,540	\$ 890	\$ 1,110	\$ 250,522	\$ 1,964
63	RIVERSIDE DR	PVC	DistMain	T013	200	94.8	1999	80	16	64	\$ 45,830	\$ 26,880	\$ 72,710	\$ 910	\$ 1,140	\$ 258,229	\$ 2,024
64	RIVERSIDE DR	PVC	DistMain	T013	200	1.6	1999	80	16	64	\$ 830	\$ 2,480	\$ 3,310	\$ 50	\$ 60	\$ 11,755	\$ 92
65	RIVERSIDE DR	PVC	DistMain	T014	200	1.5	1999	80	16	64	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 2,948	\$ 23

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
66	RIVERSIDE DR	PVC	DistMain	T013	200	115.4	1999	80	16	64	\$ 55,810	\$ 24,510	\$ 80,320	\$ 1,010	\$ 1,260	\$ 285,256	\$ 2,236
67	RIVERSIDE DR	PVC	DistMain	T013	200	121.6	1999	80	16	64	\$ 58,800	\$ 22,040	\$ 80,840	\$ 1,020	\$ 1,270	\$ 287,103	\$ 2,250
68	RIVERSIDE DR	PVC	DistMain	T014	200	99.9	1999	80	16	64	\$ 48,300	\$ 19,570	\$ 67,870	\$ 850	\$ 1,070	\$ 241,040	\$ 1,889
69	RIVERSIDE DR	PVC	DistMain	T014	200	101.2	1999	80	16	64	\$ 48,910	\$ 19,570	\$ 68,480	\$ 860	\$ 1,070	\$ 243,206	\$ 1,906
70	RIVERSIDE DR	PVC	DistMain	T014	200	6.9	1999	80	16	64	\$ 3,400	\$ -	\$ 3,400	\$ 50	\$ 60	\$ 12,075	\$ 95
71	RIVERSIDE DR	PVC	DistMain	T014	200	134.9	1999	80	16	64	\$ 65,180	\$ 24,510	\$ 89,690	\$ 1,130	\$ 1,410	\$ 318,533	\$ 2,497
74	SHAWNEE RD	PVC	DistMain	T284	200	4.2	1999	80	16	64	\$ 2,060	\$ -	\$ 2,060	\$ 30	\$ 40	\$ 7,316	\$ 57
75	RIVERSIDE DR	PVC	DistMain	T008	200	7.5	1999	80	16	64	\$ 3,610	\$ 2,480	\$ 6,090	\$ 80	\$ 100	\$ 21,629	\$ 170
76	ST PIERRE ST	PVC	DistMain	T024	150	0.6	1999	80	16	64	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,101	\$ 9
77	ST PIERRE ST	PVC	DistMain	T024	150	2.2	1999	80	16	64	\$ 930	\$ -	\$ 930	\$ 20	\$ 20	\$ 3,303	\$ 26
78	ST PIERRE ST	PVC	DistMain	T024	150	4.6	1999	80	16	64	\$ 1,960	\$ -	\$ 1,960	\$ 30	\$ 40	\$ 6,961	\$ 55
79	ST PIERRE ST	PVC	DistMain	T024	150	6.4	1999	80	16	64	\$ 2,680	\$ -	\$ 2,680	\$ 40	\$ 50	\$ 9,518	\$ 75
80	KEITH AVE	CI	DistMain	T069	150	90.9	1955	60	60	0	\$ 37,070	\$ 2,480	\$ 39,550	\$ 500	\$ 500	\$ 192,824	\$ 995
81	KEITH CRT	CI	DistMain	T072	150	69.6	1985	60	30	30	\$ 28,420	\$ -	\$ 28,420	\$ 360	\$ 950	\$ 51,479	\$ 1,269
82	CHENE ST	PVC	DistMain	T020	150	2.5	1978	80	37	43	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 30	\$ 2,413	\$ 36
83	CHENE ST	PVC	DistMain	T024	150	1.3	1999	80	16	64	\$ 620	\$ -	\$ 620	\$ 10	\$ 10	\$ 2,202	\$ 17
84	CHENE ST	PVC	DistMain	T020	150	3.6	1999	80	16	64	\$ 1,550	\$ -	\$ 1,550	\$ 20	\$ 30	\$ 5,505	\$ 43
85	CHENE ST	PVC	DistMain	T020	150	13.6	1999	80	16	64	\$ 5,570	\$ -	\$ 5,570	\$ 70	\$ 90	\$ 19,782	\$ 155
86	RIVERSIDE DR	PVC	DistMain	T006	200	97.3	1999	80	16	64	\$ 47,060	\$ 22,040	\$ 69,100	\$ 870	\$ 1,080	\$ 245,408	\$ 1,924
87	CATALINA COVE	PVC	DistMain	T004	150	1.0	1999	80	16	64	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,492	\$ 12
88	CATALINA COVE	PVC	DistMain	T004	150	0.7	1999	80	16	64	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,101	\$ 9
89	CATALINA COVE	PVC	DistMain	T004	150	0.6	1999	80	16	64	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,101	\$ 9
90	CATALINA COVE	PVC	DistMain	T004	150	0.5	1999	80	16	64	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,101	\$ 9
91	RIVERSIDE DR	PVC	DistMain	T005	200	103.5	1999	80	16	64	\$ 50,050	\$ 14,730	\$ 64,780	\$ 810	\$ 1,020	\$ 230,066	\$ 1,803
92	RIVERSIDE DR	PVC	DistMain	T005	200	5.9	1999	80	16	64	\$ 2,890	\$ -	\$ 2,890	\$ 40	\$ 50	\$ 10,264	\$ 80
93	RIVERSIDE DR	PVC	DistMain	T003	200	82.8	1999	80	16	64	\$ 40,060	\$ 9,790	\$ 49,850	\$ 630	\$ 780	\$ 177,042	\$ 1,388
94	LACASSE BLVD	PVC	DistMain	T027	200	17.2	1999	80	16	64	\$ 8,350	\$ -	\$ 8,350	\$ 110	\$ 140	\$ 29,655	\$ 232
95	LACASSE BLVD	PVC	DistMain	T027	200	141.5	1999	80	16	64	\$ 68,370	\$ 9,790	\$ 78,160	\$ 980	\$ 1,230	\$ 277,585	\$ 2,176
96	RIVERSIDE DR	PVC	DistMain	T012	200	3.3	1999	80	16	64	\$ 1,650	\$ -	\$ 1,650	\$ 30	\$ 30	\$ 5,860	\$ 46
97	RIVERSIDE DR	PVC	DistMain	T011	200	98.6	1999	80	16	64	\$ 47,680	\$ 24,510	\$ 72,190	\$ 910	\$ 1,130	\$ 256,382	\$ 2,010
98	LACASSE BLVD	PVC	DistMain	T065	200	7.5	1999	80	16	64	\$ 3,710	\$ -	\$ 3,710	\$ 50	\$ 60	\$ 13,176	\$ 103
99	LACASSE BLVD	PVC	DistMain	T065	200	0.7	1999	80	16	64	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,492	\$ 12
100	LACASSE BLVD	PVC	DistMain	T065	200	1.7	1999	80	16	64	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 2,948	\$ 23
101	LACASSE BLVD	PVC	DistMain	T065	200	23.2	1999	80	16	64	\$ 11,230	\$ -	\$ 11,230	\$ 150	\$ 180	\$ 39,883	\$ 313
102	LACASSE BLVD	PVC	DistMain	T027	200	14.7	1999	80	16	64	\$ 7,110	\$ -	\$ 7,110	\$ 90	\$ 120	\$ 25,251	\$ 198
103	DILLON DR	CI	DistMain	T028	150	0.6	1999	60	16	44	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 741	\$ 11
104	DILLON DR	CI	DistMain	T028	150	1.1	1999	60	16	44	\$ 520	\$ -	\$ 520	\$ 10	\$ 20	\$ 1,243	\$ 18
105	DILLON DR	CI	DistMain	T028	150	0.6	1999	60	16	44	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 741	\$ 11
106	DILLON DR	CI	DistMain	T026	150	0.6	1999	60	16	44	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 741	\$ 11
107	DILLON DR	CI	DistMain	T026	150	0.8	1999	60	16	44	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,004	\$ 14
108	DILLON DR	CI	DistMain	T026	150	14.1	1976	60	39	21	\$ 5,770	\$ -	\$ 5,770	\$ 80	\$ 280	\$ 8,745	\$ 339
109	RIVERSIDE DR	PVC	DistMain	T010	200	113.7	1999	80	16	64	\$ 54,990	\$ 26,880	\$ 81,870	\$ 1,030	\$ 1,280	\$ 290,761	\$ 2,279
110	RIVERSIDE DR	PVC	DistMain	T010	200	50.3	1999	80	16	64	\$ 24,310	\$ 4,950	\$ 29,260	\$ 370	\$ 460	\$ 103,917	\$ 815
111	CORONADO DR	PVC	DistMain	T029	150	7.6	1999	80	16	64	\$ 3,090	\$ -	\$ 3,090	\$ 40	\$ 50	\$ 10,974	\$ 86
112	CORONADO DR	PVC	DistMain	T029	150	12.0	1999	80	16	64	\$ 4,950	\$ -	\$ 4,950	\$ 70	\$ 80	\$ 17,580	\$ 138
113	CORONADO DR	PVC	DistMain	T029	150	2.2	1999	80	16	64	\$ 930	\$ -	\$ 930	\$ 20	\$ 20	\$ 3,303	\$ 26
114	RIVERSIDE DR	PVC	DistMain	T012	200	1.5	1999	80	16	64	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 2,593	\$ 20
115	RIVERSIDE DR	PVC	DistMain	T012	200	83.8	1999	80	16	64	\$ 40,470	\$ 14,730	\$ 55,200	\$ 690	\$ 870	\$ 196,042	\$ 1,537
116	RIVERSIDE DR	PVC	DistMain	T012	200	122.9	1999	80	16	64	\$ 59,420	\$ 34,290	\$ 93,710	\$ 1,180	\$ 1,470	\$ 332,810	\$ 2,609
117	LACASSE BLVD	CONC	Trunk	T133	400	20.5	1969	60	46	14	\$ 17,100	\$ -	\$ 17,100	\$ 220	\$ 1,230	\$ 22,563	\$ 1,412
118	LACASSE BLVD	CONC	Trunk	T133	400	591.1	1969	60	46	14	\$ 492,390	\$ 51,390	\$ 543,780	\$ 6,800	\$ 38,850	\$ 717,506	\$ 44,917

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
123	RIVERSIDE DR	PVC	DistMain	T015	200	9.3	1999	80	16	64	\$ 4,540	\$ -	\$ 4,540	\$ 60	\$ 80	\$ 16,124	\$ 126
124	RIVERSIDE DR	PVC	DistMain	T015	200	121.9	1999	80	16	64	\$ 58,900	\$ 14,730	\$ 73,630	\$ 930	\$ 1,160	\$ 261,496	\$ 2,050
125	GRACE RD	PVC	DistMain	T101	150	1.2	1999	80	16	64	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 1,847	\$ 14
126	GRACE RD	PVC	DistMain	T101	150	1.2	1999	80	16	64	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 1,847	\$ 14
127	GRACE RD	PVC	DistMain	T101	150	21.2	1999	80	16	64	\$ 8,650	\$ -	\$ 8,650	\$ 110	\$ 140	\$ 30,720	\$ 241
128	RIVERSIDE DR	PVC	DistMain	T014	200	119.6	1999	80	16	64	\$ 57,770	\$ 14,730	\$ 72,500	\$ 910	\$ 1,140	\$ 257,483	\$ 2,018
129	RIVERSIDE DR	PVC	DistMain	T014	200	1.4	1999	80	16	64	\$ 730	\$ 2,480	\$ 3,210	\$ 50	\$ 60	\$ 11,400	\$ 89
130	SHAWNEE RD	PVC	DistMain	T287	150	0.9	1980	80	35	45	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,024	\$ 14
131	SHAWNEE RD	PVC	DistMain	T287	150	6.3	1980	80	35	45	\$ 2,580	\$ -	\$ 2,580	\$ 40	\$ 60	\$ 6,290	\$ 87
132	SHAWNEE RD	PVC	DistMain	T287	150	5.5	1980	80	35	45	\$ 2,270	\$ -	\$ 2,270	\$ 30	\$ 60	\$ 5,534	\$ 77
133	SHAWNEE RD	PVC	DistMain	T287	150	3.7	1999	80	16	64	\$ 1,550	\$ -	\$ 1,550	\$ 20	\$ 30	\$ 5,505	\$ 43
134	SHAWNEE RD	PVC	DistMain	T287	200	0.9	1999	80	16	64	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 1,847	\$ 14
135	SHAWNEE RD	PVC	DistMain	T287	150	1.3	1999	80	16	64	\$ 620	\$ -	\$ 620	\$ 10	\$ 10	\$ 2,202	\$ 17
136	SHAWNEE RD	PVC	DistMain	T287	200	0.4	1999	80	16	64	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 746	\$ 6
137	SHAWNEE RD	PVC	DistMain	T287	200	147.4	1999	80	16	64	\$ 71,260	\$ 29,350	\$ 100,610	\$ 1,260	\$ 1,580	\$ 357,316	\$ 2,801
138	SHAWNEE RD	PVC	DistMain	T287	200	149.7	1999	80	16	64	\$ 72,290	\$ 36,660	\$ 108,950	\$ 1,370	\$ 1,710	\$ 386,935	\$ 3,033
139	SHAWNEE RD	PVC	DistMain	T284	200	148.6	1999	80	16	64	\$ 71,770	\$ 36,660	\$ 108,430	\$ 1,360	\$ 1,700	\$ 385,088	\$ 3,019
140	SHAWNEE RD	PVC	DistMain	T284	200	5.1	1999	80	16	64	\$ 2,480	\$ -	\$ 2,480	\$ 40	\$ 40	\$ 8,808	\$ 69
141	SHAWNEE RD	PVC	DistMain	T284	200	10.6	1999	80	16	64	\$ 5,150	\$ -	\$ 5,150	\$ 70	\$ 90	\$ 18,290	\$ 143
142	SHAWNEE RD	PVC	DistMain	T284	200	0.7	1999	80	16	64	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,492	\$ 12
143	SHAWNEE RD	PVC	DistMain	T283	200	0.8	1999	80	16	64	\$ 420	\$ 2,480	\$ 2,900	\$ 40	\$ 50	\$ 10,299	\$ 81
144	SHAWNEE RD	PVC	DistMain	T283	200	5.5	1999	80	16	64	\$ 2,680	\$ 2,480	\$ 5,160	\$ 70	\$ 90	\$ 18,326	\$ 144
145	SHAWNEE RD	PVC	DistMain	T283	200	108.3	1999	80	16	64	\$ 52,310	\$ 22,040	\$ 74,350	\$ 930	\$ 1,170	\$ 264,054	\$ 2,070
146	SHAWNEE RD	PVC	DistMain	T283	200	2.2	1999	80	16	64	\$ 1,140	\$ -	\$ 1,140	\$ 20	\$ 20	\$ 4,049	\$ 32
147	SHAWNEE RD	PVC	DistMain	T282	150	1.3	1999	80	16	64	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 1,847	\$ 14
156	LESPEANCE RD	PVC	DistMain	T245	250	8.8	1999	80	16	64	\$ 4,540	\$ 2,480	\$ 7,020	\$ 90	\$ 110	\$ 24,931	\$ 195
157	LESPEANCE RD	PVC	DistMain	T245	250	23.3	1999	80	16	64	\$ 11,850	\$ 2,480	\$ 14,330	\$ 180	\$ 230	\$ 50,893	\$ 399
159	LESPEANCE RD	PVC	DistMain	T249	250	66.6	1999	80	16	64	\$ 33,880	\$ 7,420	\$ 41,300	\$ 520	\$ 650	\$ 146,677	\$ 1,150
160	LESPEANCE RD	PVC	DistMain	T249	250	11.3	1999	80	16	64	\$ 5,770	\$ -	\$ 5,770	\$ 80	\$ 100	\$ 20,492	\$ 161
161	ARBOUR ST	PVC	DistMain	T310	150	1.2	1997	80	18	62	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 1,775	\$ 15
162	ARBOUR ST	PVC	DistMain	T310	150	0.5	1997	80	18	62	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,058	\$ 9
165	ARBOUR ST	PVC	DistMain	T310	150	130.1	1997	80	18	62	\$ 52,930	\$ 19,570	\$ 72,500	\$ 910	\$ 1,170	\$ 247,485	\$ 2,051
166	ARBOUR ST	PVC	DistMain	T310	150	18.5	1997	80	18	62	\$ 7,620	\$ 7,420	\$ 15,040	\$ 190	\$ 250	\$ 51,340	\$ 425
167	RENAUD ST	PVC	DistMain	T305	150	1.1	1997	80	18	62	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 1,775	\$ 15
168	RENAUD ST	PVC	DistMain	T305	150	2.1	1997	80	18	62	\$ 930	\$ -	\$ 930	\$ 20	\$ 20	\$ 3,175	\$ 26
169	RENAUD ST	PVC	DistMain	T305	150	6.6	1997	80	18	62	\$ 2,680	\$ 4,950	\$ 7,630	\$ 100	\$ 130	\$ 26,046	\$ 216
170	RENAUD ST	PVC	DistMain	T305	150	38.2	1997	80	18	62	\$ 15,550	\$ 4,950	\$ 20,500	\$ 260	\$ 340	\$ 69,978	\$ 580
171	RENAUD ST	PVC	DistMain	T305	150	0.6	1997	80	18	62	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,058	\$ 9
174	RENAUD ST	PVC	DistMain	T305	150	105.2	1997	80	18	62	\$ 42,840	\$ 12,260	\$ 55,100	\$ 690	\$ 890	\$ 188,089	\$ 1,559
177	LANOUE ST	PVC	DistMain	T315	150	10.6	1997	80	18	62	\$ 4,330	\$ -	\$ 4,330	\$ 60	\$ 70	\$ 14,781	\$ 122
183	ST DENIS ST	PVC	DistMain	T213	150	1.0	1999	80	16	64	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,492	\$ 12
184	ST DENIS ST	PVC	DistMain	T213	150	1.0	1999	80	16	64	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 1,847	\$ 14
185	LESPEANCE RD	PVC	DistMain	T212	250	35.0	1999	80	16	64	\$ 17,820	\$ -	\$ 17,820	\$ 230	\$ 280	\$ 63,288	\$ 496
186	ST JACQUES ST	PVC	DistMain	T210	200	32.2	1999	80	16	64	\$ 15,660	\$ -	\$ 15,660	\$ 200	\$ 250	\$ 55,616	\$ 436
187	ST JACQUES ST	PVC	DistMain	T210	200	0.5	1999	80	16	64	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,101	\$ 9
188	ST JACQUES ST	PVC	DistMain	T210	150	0.9	1999	80	16	64	\$ 420	\$ 2,480	\$ 2,900	\$ 40	\$ 50	\$ 10,299	\$ 81
189	LESPEANCE RD	PVC	DistMain	T211	250	111.4	1999	80	16	64	\$ 56,640	\$ 19,570	\$ 76,210	\$ 960	\$ 1,200	\$ 270,659	\$ 2,122
190	LESPEANCE RD	PVC	DistMain	T211	250	28.2	1999	80	16	64	\$ 14,420	\$ 4,950	\$ 19,370	\$ 250	\$ 310	\$ 68,792	\$ 539
191	LESPEANCE RD	PVC	DistMain	T211	250	56.3	1999	80	16	64	\$ 28,630	\$ 12,260	\$ 40,890	\$ 520	\$ 640	\$ 145,221	\$ 1,138
192	LESPEANCE RD	PVC	DistMain	T211	250	101.9	1999	80	16	64	\$ 51,800	\$ 19,570	\$ 71,370	\$ 900	\$ 1,120	\$ 253,470	\$ 1,987
193	MENORTON ST	PVC	DistMain	T194	250	0.4	1999	80	16	64	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 746	\$ 6

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
194	MCNORTON ST	PVC	DistMain	T194	250	21.5	1999	80	16	64	\$ 10,920	\$ -	\$ 10,920	\$ 140	\$ 180	\$ 38,782	\$ 304
196	LESUPERANCE RD	PVC	DistMain	T195	200	1.7	1999	80	16	64	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 2,948	\$ 23
197	LESUPERANCE RD	PVC	DistMain	T195	250	7.5	1999	80	16	64	\$ 3,920	\$ -	\$ 3,920	\$ 50	\$ 70	\$ 13,922	\$ 109
198	LESUPERANCE RD	PVC	DistMain	T195	200	151.3	1999	80	16	64	\$ 73,110	\$ 24,510	\$ 97,620	\$ 1,230	\$ 1,530	\$ 346,697	\$ 2,718
200	LACASSE BLVD	PVC	Trunk	T064	300	1.6	1980	80	35	45	\$ 930	\$ -	\$ 930	\$ 20	\$ 30	\$ 2,267	\$ 32
201	LACASSE BLVD	PVC	DistMain	T064	150	3.3	1969	80	46	34	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 40	\$ 2,627	\$ 55
202	LACASSE BLVD	PVC	DistMain	T064	150	0.7	1969	80	46	34	\$ 310	\$ 0	\$ 310	\$ 10	\$ 10	\$ 608	\$ 13
203	LACASSE BLVD	PVC	Trunk	T064	300	0.4	1980	80	35	45	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 756	\$ 11
204	LACASSE BLVD	PVC	Trunk	T064	300	0.5	1980	80	35	45	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 756	\$ 11
205	LACASSE BLVD	PVC	Trunk	T064	300	1.7	1980	80	35	45	\$ 930	\$ -	\$ 930	\$ 20	\$ 30	\$ 2,267	\$ 32
206	LACASSE BLVD	PVC	Trunk	T064	300	14.6	1980	80	35	45	\$ 7,930	\$ -	\$ 7,930	\$ 100	\$ 180	\$ 19,332	\$ 269
207	LACASSE BLVD	PVC	Trunk	T064	300	0.4	1980	80	35	45	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 512	\$ 7
208	LACASSE BLVD	PVC	DistMain	T141	150	23.7	1980	80	35	45	\$ 9,680	\$ -	\$ 9,680	\$ 130	\$ 220	\$ 23,598	\$ 328
209	LACASSE BLVD	CI	DistMain	T065	150	71.6	1980	60	35	25	\$ 29,140	\$ -	\$ 29,140	\$ 370	\$ 1,170	\$ 47,807	\$ 1,493
210	LACASSE BLVD	CI	DistMain	T064	150	63.0	1980	60	35	25	\$ 25,640	\$ 4,950	\$ 30,590	\$ 390	\$ 1,230	\$ 50,186	\$ 1,567
211	LACASSE BLVD	CI	DistMain	T064	150	145.9	1980	60	35	25	\$ 59,420	\$ -	\$ 59,420	\$ 750	\$ 2,380	\$ 97,485	\$ 3,044
212	LACASSE BLVD	CI	DistMain	T064	150	4.8	1980	60	35	25	\$ 2,060	\$ -	\$ 2,060	\$ 30	\$ 90	\$ 3,380	\$ 106
213	LITTLE RIVER BLVD	PVC	Trunk	T079	300	172.5	1980	80	35	45	\$ 93,190	\$ 29,350	\$ 122,540	\$ 1,540	\$ 2,730	\$ 298,735	\$ 4,155
214	LITTLE RIVER BLVD	PVC	Trunk	T079	300	41.2	1980	80	35	45	\$ 22,250	\$ 4,950	\$ 27,200	\$ 340	\$ 610	\$ 66,310	\$ 922
215	CORONADO DR	CI	DistMain	T078	150	3.9	1980	60	35	25	\$ 1,650	\$ -	\$ 1,650	\$ 30	\$ 70	\$ 2,707	\$ 85
216	LITTLE RIVER BLVD	PVC	Trunk	T081	300	111.3	1980	80	35	45	\$ 60,140	\$ 9,790	\$ 69,930	\$ 880	\$ 1,560	\$ 170,479	\$ 2,371
217	LITTLE RIVER BLVD	PVC	Trunk	T080	300	109.6	1980	80	35	45	\$ 59,210	\$ 9,790	\$ 69,000	\$ 870	\$ 1,540	\$ 168,212	\$ 2,340
218	LITTLE RIVER BLVD	PVC	Trunk	T080	300	1.0	1980	80	35	45	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,511	\$ 21
219	SHAWN AVE	PVC	DistMain	T147	150	2.5	1980	80	35	45	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 30	\$ 2,511	\$ 35
220	KIMBERLY DR	PVC	DistMain	T146	150	125.7	1980	80	35	45	\$ 51,180	\$ 26,880	\$ 78,060	\$ 980	\$ 1,740	\$ 190,299	\$ 2,647
222	TECUMSEH RD	PVC	Trunk	T253	400	5.9	1992	80	23	57	\$ 4,950	\$ -	\$ 4,950	\$ 70	\$ 90	\$ 15,304	\$ 146
226	TECUMSEH RD	PVC	Trunk	T253	400	8.8	1992	80	23	57	\$ 7,420	\$ -	\$ 7,420	\$ 100	\$ 140	\$ 22,941	\$ 219
227	TECUMSEH RD	PVC	Trunk	T253	400	19.7	1992	80	23	57	\$ 16,480	\$ -	\$ 16,480	\$ 210	\$ 290	\$ 50,953	\$ 487
228	TECUMSEH RD	PVC	Trunk	T253	400	113.3	1992	80	23	57	\$ 94,430	\$ -	\$ 94,430	\$ 1,190	\$ 1,660	\$ 291,958	\$ 2,791
229	TECUMSEH RD	PVC	Trunk	T253	400	32.8	1992	80	23	57	\$ 27,390	\$ -	\$ 27,390	\$ 350	\$ 490	\$ 84,684	\$ 810
231	TECUMSEH RD	PVC	Trunk	T253	400	136.8	1992	80	23	57	\$ 113,990	\$ 2,480	\$ 116,470	\$ 1,460	\$ 2,050	\$ 360,101	\$ 3,443
234	TECUMSEH RD	PVC	Trunk	T253	400	148.5	1992	80	23	57	\$ 123,770	\$ 7,420	\$ 131,190	\$ 1,640	\$ 2,310	\$ 405,612	\$ 3,878
236	TECUMSEH RD	PVC	Trunk	T253	400	15.0	1992	80	23	57	\$ 12,570	\$ -	\$ 12,570	\$ 160	\$ 230	\$ 38,864	\$ 372
237	TECUMSEH RD	PVC	Trunk	T253	400	4.0	1992	80	23	57	\$ 3,400	\$ -	\$ 3,400	\$ 50	\$ 60	\$ 10,512	\$ 101
238	TECUMSEH RD	PVC	Trunk	T253	400	42.7	1992	80	23	57	\$ 35,630	\$ -	\$ 35,630	\$ 450	\$ 630	\$ 110,160	\$ 1,053
239	TECUMSEH RD	PVC	Trunk	T253	400	16.2	1992	80	23	57	\$ 13,600	\$ -	\$ 13,600	\$ 170	\$ 240	\$ 42,048	\$ 402
242	LANOUE ST	CONC	Trunk	T317	400	109.0	1972	60	43	17	\$ 90,820	\$ -	\$ 90,820	\$ 1,140	\$ 5,350	\$ 127,170	\$ 6,355
243	LANOUE ST	CONC	Trunk	T317	400	4.8	1972	60	43	17	\$ 4,120	\$ -	\$ 4,120	\$ 60	\$ 250	\$ 5,769	\$ 288
244	RENAUD ST	DI	DistMain	T305	150	7.8	1972	60	43	17	\$ 3,200	\$ -	\$ 3,200	\$ 40	\$ 190	\$ 4,481	\$ 224
245	LANOUE ST	CONC	Trunk	T317	400	29.5	1972	60	43	17	\$ 24,610	\$ -	\$ 24,610	\$ 310	\$ 1,450	\$ 34,460	\$ 1,722
246	LANOUE ST	DI	Trunk	T317	400	218.8	1985	60	30	30	\$ 182,360	\$ -	\$ 182,360	\$ 2,280	\$ 6,080	\$ 330,320	\$ 8,142
247	LANOUE ST	DI	Trunk	T317	400	4.5	1985	60	30	30	\$ 3,810	\$ -	\$ 3,810	\$ 50	\$ 130	\$ 6,901	\$ 170
248	HIGHWAY 2	DI	Trunk	T_SS003	400	48.7	1985	60	30	30	\$ 40,680	\$ -	\$ 40,680	\$ 510	\$ 1,360	\$ 73,686	\$ 1,816
249	LANOUE ST	PVC	DistMain	T317	200	109.2	1992	80	23	57	\$ 52,830	\$ 26,880	\$ 79,710	\$ 1,000	\$ 1,400	\$ 246,446	\$ 2,356
250	LANOUE ST	PVC	DistMain	T317	200	17.9	1992	80	23	57	\$ 8,760	\$ 4,950	\$ 13,710	\$ 180	\$ 250	\$ 42,388	\$ 405
251	LANOUE ST	PVC	DistMain	T317	200	44.7	1992	80	23	57	\$ 21,630	\$ 7,420	\$ 29,050	\$ 370	\$ 510	\$ 89,816	\$ 859
252	LANOUE ST	PVC	DistMain	T317	200	68.2	1996	80	19	61	\$ 32,950	\$ 24,510	\$ 57,460	\$ 720	\$ 950	\$ 192,299	\$ 1,639
253	LANOUE ST	PVC	DistMain	T317	200	18.1	1996	80	19	61	\$ 8,860	\$ 12,260	\$ 21,120	\$ 270	\$ 350	\$ 70,681	\$ 602
254	LANOUE ST	PVC	DistMain	T317	200	65.1	1996	80	19	61	\$ 31,510	\$ 17,200	\$ 48,710	\$ 610	\$ 800	\$ 163,015	\$ 1,389
255	LANOUE ST	PVC	DistMain	T317	200	55.4	1996	80	19	61	\$ 26,780	\$ 17,200	\$ 43,980	\$ 550	\$ 730	\$ 147,186	\$ 1,254
256	LANOUE ST	PVC	DistMain	T317	200	150.2	1996	80	19	61	\$ 72,600	\$ 48,910	\$ 121,510	\$ 1,520	\$ 2,000	\$ 406,652	\$ 3,466

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
257	LACASSE BLVD	CONC	Trunk	T252	400	162.1	1969	60	46	14	\$ 135,100	\$ 2,480	\$ 137,580	\$ 1,720	\$ 9,830	\$ 181,534	\$ 11,364
258	LACASSE BLVD	CONC	Trunk	T252	400	15.3	1969	60	46	14	\$ 12,770	\$ -	\$ 12,770	\$ 160	\$ 920	\$ 16,850	\$ 1,055
259	LACASSE BLVD	PVC	DistMain	T252	200	12.5	2008	80	7	73	\$ 6,080	\$ -	\$ 6,080	\$ 80	\$ 90	\$ 25,806	\$ 159
260	HORWOOD CRES	DI	Trunk	T222	400	1.2	1981	60	34	26	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 40	\$ 1,724	\$ 51
261	HORWOOD CRES	DI	DistMain	T222	150	1.0	1981	60	34	26	\$ 420	\$ -	\$ 420	\$ 10	\$ 20	\$ 703	\$ 21
262	LACASSE BLVD	PVC	DistMain	T252	200	6.8	2008	80	7	73	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 50	\$ 14,006	\$ 86
263	LACASSE BLVD	PVC	DistMain	T252	200	215.1	2008	80	7	73	\$ 103,900	\$ 2,480	\$ 106,380	\$ 1,330	\$ 1,460	\$ 451,515	\$ 2,783
265	LACASSE BLVD	PVC	DistMain	T219	150	5.2	2009	80	6	74	\$ 2,170	\$ -	\$ 2,170	\$ 30	\$ 30	\$ 9,394	\$ 56
266	LACASSE BLVD	PVC	DistMain	T219	200	156.9	2008	80	7	73	\$ 75,790	\$ 17,200	\$ 92,990	\$ 1,170	\$ 1,280	\$ 394,683	\$ 2,433
267	LACASSE BLVD	PVC	DistMain	T219	200	131.7	2008	80	7	73	\$ 63,640	\$ 14,730	\$ 78,370	\$ 980	\$ 1,080	\$ 332,631	\$ 2,051
270	LESPEANCE RD	PVC	Trunk	T022	300	217.4	2005	80	10	70	\$ 117,390	\$ 19,570	\$ 136,960	\$ 1,720	\$ 1,960	\$ 547,779	\$ 3,652
271	LESPEANCE RD	PVC	Trunk	T022	300	10.2	2005	80	10	70	\$ 5,570	\$ -	\$ 5,570	\$ 70	\$ 80	\$ 22,278	\$ 149
272	LESPEANCE RD	CI	DistMain	T022	150	21.3	1985	60	30	30	\$ 8,760	\$ -	\$ 8,760	\$ 110	\$ 300	\$ 15,868	\$ 391
273	LESPEANCE RD	PVC	DistMain	T022	150	0.6	2005	80	10	70	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,240	\$ 8
274	LESPEANCE RD	PVC	Trunk	T022	300	0.8	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
275	LESPEANCE RD	CI	DistMain	T022	150	214.0	1986	60	29	31	\$ 87,110	\$ 24,510	\$ 111,620	\$ 1,400	\$ 3,610	\$ 206,228	\$ 4,866
276	LESPEANCE RD	PVC	DistMain	T022	250	1.2	2005	80	10	70	\$ 620	\$ -	\$ 620	\$ 10	\$ 10	\$ 2,480	\$ 17
277	LESPEANCE RD	CI	DistMain	T056	150	125.5	1972	60	43	17	\$ 51,080	\$ 7,420	\$ 58,500	\$ 740	\$ 3,450	\$ 81,914	\$ 4,093
278	LESPEANCE RD	PVC	Trunk	T109	300	103.2	2005	80	10	70	\$ 55,810	\$ 9,790	\$ 65,600	\$ 820	\$ 940	\$ 262,371	\$ 1,749
279	LESPEANCE RD	CI	DistMain	T109	150	55.5	1972	60	43	17	\$ 22,660	\$ 2,480	\$ 25,140	\$ 320	\$ 1,480	\$ 35,202	\$ 1,759
280	LESPEANCE RD	PVC	Trunk	T121	300	147.9	2005	80	10	70	\$ 79,910	\$ 17,200	\$ 97,110	\$ 1,220	\$ 1,390	\$ 388,397	\$ 2,590
282	LITTLE RIVER BLVD	PVC	DistMain	T052	150	36.9	1987	80	28	52	\$ 15,040	\$ -	\$ 15,040	\$ 190	\$ 290	\$ 42,117	\$ 468
283	ST PIERRE ST	CI	DistMain	T060	150	242.7	1978	60	37	23	\$ 98,750	\$ 26,880	\$ 125,630	\$ 1,580	\$ 5,470	\$ 198,106	\$ 6,868
284	APPLETREE CRES	PVC	DistMain	T183	150	2.1	1980	80	35	45	\$ 930	\$ -	\$ 930	\$ 20	\$ 30	\$ 2,267	\$ 32
285	APPLETREE CRES	PVC	DistMain	T183	150	58.0	1980	80	35	45	\$ 23,580	\$ 24,510	\$ 48,090	\$ 610	\$ 1,070	\$ 117,236	\$ 1,631
286	APPLETREE CRES	PVC	DistMain	T183	150	137.4	1980	80	35	45	\$ 55,920	\$ 31,820	\$ 87,740	\$ 1,100	\$ 1,950	\$ 213,897	\$ 2,975
291	ST THOMAS CRES	PVC	DistMain	T148	150	3.0	1980	80	35	45	\$ 1,240	\$ -	\$ 1,240	\$ 20	\$ 30	\$ 3,023	\$ 42
292	ST THOMAS CRES	PVC	DistMain	T148	150	25.0	1980	80	35	45	\$ 10,200	\$ 2,480	\$ 12,680	\$ 160	\$ 290	\$ 30,912	\$ 430
293	ST THOMAS CRES	PVC	DistMain	T148	150	60.1	1980	80	35	45	\$ 24,510	\$ 19,570	\$ 44,080	\$ 560	\$ 980	\$ 107,461	\$ 1,495
294	ST THOMAS CRES	PVC	DistMain	T148	150	81.1	1980	80	35	45	\$ 33,060	\$ 22,040	\$ 55,100	\$ 690	\$ 1,230	\$ 134,326	\$ 1,868
295	ST THOMAS CRES	PVC	DistMain	T148	150	125.6	1980	80	35	45	\$ 51,180	\$ 34,290	\$ 85,470	\$ 1,070	\$ 1,900	\$ 208,363	\$ 2,898
296	ST THOMAS CRES	PVC	DistMain	T148	150	2.9	1980	80	35	45	\$ 1,240	\$ 9,790	\$ 11,030	\$ 140	\$ 250	\$ 26,890	\$ 374
297	ST THOMAS CRES	PVC	DistMain	T148	150	8.8	1980	80	35	45	\$ 3,610	\$ 9,790	\$ 13,400	\$ 170	\$ 300	\$ 32,667	\$ 454
298	ST THOMAS CRES	PVC	DistMain	T148	150	79.9	1980	80	35	45	\$ 32,540	\$ 22,040	\$ 54,580	\$ 690	\$ 1,220	\$ 133,058	\$ 1,851
299	ST THOMAS CRES	PVC	DistMain	T184	150	1.8	1980	80	35	45	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 1,780	\$ 25
300	GAUTHIER DR	PVC	DistMain	T107	150	4.6	1977	80	38	42	\$ 1,960	\$ -	\$ 1,960	\$ 30	\$ 50	\$ 4,503	\$ 69
301	GAUTHIER DR	PVC	DistMain	T107	150	51.8	1977	80	38	42	\$ 21,110	\$ 12,260	\$ 33,370	\$ 420	\$ 800	\$ 76,659	\$ 1,182
302	GAUTHIER DR	PVC	DistMain	T107	150	3.4	1977	80	38	42	\$ 1,450	\$ 2,480	\$ 3,930	\$ 50	\$ 100	\$ 9,028	\$ 139
303	GAUTHIER DR	PVC	DistMain	T110	150	54.9	1977	80	38	42	\$ 22,350	\$ 12,260	\$ 34,610	\$ 440	\$ 830	\$ 79,508	\$ 1,226
304	GAUTHIER DR	PVC	DistMain	T112	150	36.3	1988	80	27	53	\$ 14,830	\$ 9,790	\$ 24,620	\$ 310	\$ 470	\$ 70,323	\$ 758
305	GAUTHIER DR	PVC	DistMain	T112	150	19.9	1988	80	27	53	\$ 8,140	\$ -	\$ 8,140	\$ 110	\$ 160	\$ 23,251	\$ 250
306	GAUTHIER DR	PVC	DistMain	T110	150	58.5	1988	80	27	53	\$ 23,890	\$ 12,260	\$ 36,150	\$ 460	\$ 690	\$ 103,257	\$ 1,112
307	GAUTHIER DR	PVC	DistMain	T119	150	3.6	1980	80	35	45	\$ 1,550	\$ 2,480	\$ 4,030	\$ 60	\$ 90	\$ 9,825	\$ 137
308	GAUTHIER DR	PVC	DistMain	T119	150	137.2	1980	80	35	45	\$ 55,810	\$ 34,290	\$ 90,100	\$ 1,130	\$ 2,010	\$ 219,651	\$ 3,055
309	GAUTHIER DR	PVC	DistMain	T119	150	16.7	1980	80	35	45	\$ 6,800	\$ 2,480	\$ 9,280	\$ 120	\$ 210	\$ 22,623	\$ 315
310	ARBOUR ST	PVC	DistMain	T310	150	0.5	1991	80	24	56	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 637	\$ 6
311	ARBOUR ST	PVC	DistMain	T310	150	0.7	1991	80	24	56	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 940	\$ 9
312	ARBOUR ST	PVC	DistMain	T310	150	2.0	1991	80	24	56	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 2,516	\$ 25
313	ARBOUR ST	PVC	DistMain	T310	150	0.5	1991	80	24	56	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 637	\$ 6
314	ARBOUR ST	PVC	DistMain	T310	150	0.1	1991	80	24	56	\$ 110	\$ -	\$ 110	\$ 10	\$ 10	\$ 333	\$ 3
315	ARBOUR ST	PVC	DistMain	T310	150	0.3	1991	80	24	56	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 637	\$ 6

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
316	LANOUE ST	PVC	DistMain	T317	200	43.3	1994	80	21	59	\$ 21,010	\$ 7,420	\$ 28,430	\$ 360	\$ 490	\$ 91,451	\$ 825
317	LANOUE ST	PVC	DistMain	T326	200	124.4	1994	80	21	59	\$ 60,140	\$ 31,820	\$ 91,960	\$ 1,150	\$ 1,560	\$ 295,807	\$ 2,669
318	JACIE CRT	PVC	DistMain	T321	150	2.9	1993	80	22	58	\$ 1,240	\$ -	\$ 1,240	\$ 20	\$ 30	\$ 3,910	\$ 36
319	NORTHFIELD WAY	PVC	DistMain	T320	150	116.7	1993	80	22	58	\$ 47,580	\$ 29,350	\$ 76,930	\$ 970	\$ 1,330	\$ 242,608	\$ 2,253
320	NORTHFIELD WAY	PVC	DistMain	T322	150	91.5	1994	80	21	59	\$ 37,280	\$ 24,510	\$ 61,790	\$ 780	\$ 1,050	\$ 198,760	\$ 1,793
321	NORTHFIELD WAY	PVC	DistMain	T324	150	309.1	1994	80	21	59	\$ 125,730	\$ 78,260	\$ 203,990	\$ 2,550	\$ 3,460	\$ 656,174	\$ 5,920
322	JACIE CRT	PVC	DistMain	T321	150	162.5	1994	80	21	59	\$ 66,110	\$ 41,600	\$ 107,710	\$ 1,350	\$ 1,830	\$ 346,470	\$ 3,126
323	SHELLEY CRT	PVC	DistMain	T323	150	148.7	1994	80	21	59	\$ 60,550	\$ 39,130	\$ 99,680	\$ 1,250	\$ 1,690	\$ 320,640	\$ 2,893
324	LESPERANCE RD	PVC	DistMain	T312	150	43.8	1994	80	21	59	\$ 17,920	\$ -	\$ 17,920	\$ 230	\$ 310	\$ 57,643	\$ 520
326	BEDELL ST	PVC	DistMain	T314	200	94.7	2007	80	8	72	\$ 45,830	\$ 4,950	\$ 50,780	\$ 640	\$ 710	\$ 211,303	\$ 1,337
327	BEDELL ST	PVC	DistMain	T309	200	112.4	2007	80	8	72	\$ 54,370	\$ 22,040	\$ 76,410	\$ 960	\$ 1,070	\$ 317,953	\$ 2,012
328	BEDELL ST	PVC	DistMain	T306	200	114.8	2007	80	8	72	\$ 55,500	\$ 29,350	\$ 84,850	\$ 1,070	\$ 1,180	\$ 353,073	\$ 2,234
329	LANOUE ST	PVC	DistMain	T315	150	60.1	2007	80	8	72	\$ 24,510	\$ 2,480	\$ 26,990	\$ 340	\$ 380	\$ 112,309	\$ 711
330	LANOUE ST	PVC	DistMain	T313	150	222.0	2007	80	8	72	\$ 90,310	\$ 39,130	\$ 129,440	\$ 1,620	\$ 1,800	\$ 538,618	\$ 3,408
331	KIMBERLY DR	PVC	DistMain	T144	150	104.9	1987	80	28	52	\$ 42,740	\$ 22,040	\$ 64,780	\$ 810	\$ 1,250	\$ 181,405	\$ 2,015
332	JELSO PL	PVC	DistMain	T143	150	120.8	1987	80	28	52	\$ 49,220	\$ 31,820	\$ 81,040	\$ 1,020	\$ 1,560	\$ 226,939	\$ 2,521
333	JELSO PL	PVC	DistMain	T143	150	20.3	1987	80	28	52	\$ 8,350	\$ -	\$ 8,350	\$ 110	\$ 170	\$ 23,383	\$ 260
334	JELSO PL	PVC	DistMain	T143	150	53.6	1987	80	28	52	\$ 21,830	\$ 9,790	\$ 31,620	\$ 400	\$ 610	\$ 88,546	\$ 984
335	DUBE DR	PVC	DistMain	T140	150	75.5	1989	80	26	54	\$ 30,790	\$ 14,730	\$ 45,520	\$ 570	\$ 850	\$ 132,621	\$ 1,386
336	DUBE DR	PVC	DistMain	T140	150	75.4	1989	80	26	54	\$ 30,690	\$ 4,950	\$ 35,640	\$ 450	\$ 660	\$ 103,836	\$ 1,085
337	LACASSE BLVD	PVC	DistMain	T135	150	19.7	1989	80	26	54	\$ 8,040	\$ 4,950	\$ 12,990	\$ 170	\$ 250	\$ 37,846	\$ 396
338	LACASSE BLVD	PVC	DistMain	T135	150	88.0	1989	80	26	54	\$ 35,840	\$ 2,480	\$ 38,320	\$ 480	\$ 710	\$ 111,644	\$ 1,167
339	LACASSE BLVD	PVC	DistMain	T135	150	84.5	1989	80	26	54	\$ 34,400	\$ 9,790	\$ 44,190	\$ 560	\$ 820	\$ 128,746	\$ 1,346
340	LACASSE BLVD	PVC	DistMain	T134	150	1.3	1989	80	26	54	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,806	\$ 19
341	LACASSE BLVD	CONC	Trunk	T133	400	2.3	1969	60	46	14	\$ 1,960	\$ -	\$ 1,960	\$ 30	\$ 140	\$ 2,586	\$ 162
342	LACASSE BLVD	CONC	Trunk	T133	400	24.7	1969	60	46	14	\$ 20,600	\$ -	\$ 20,600	\$ 260	\$ 1,480	\$ 27,181	\$ 1,702
343	LACASSE BLVD	CONC	DistMain	T064	400	1.5	1969	60	46	14	\$ 1,240	\$ -	\$ 1,240	\$ 20	\$ 90	\$ 1,636	\$ 102
344	VALENTE CRT	PVC	DistMain	T113	150	56.6	1979	80	36	44	\$ 23,070	\$ 7,420	\$ 30,490	\$ 390	\$ 700	\$ 72,873	\$ 1,048
345	VALENTE CRT	DI	DistMain	T113	150	3.5	1979	60	36	24	\$ 1,450	\$ -	\$ 1,450	\$ 20	\$ 70	\$ 2,332	\$ 77
346	VALENTE CRT	PVC	DistMain	T114	150	18.8	1979	80	36	44	\$ 7,730	\$ -	\$ 7,730	\$ 100	\$ 180	\$ 18,475	\$ 266
347	VALENTE CRT	PVC	DistMain	T114	150	56.4	1979	80	36	44	\$ 22,970	\$ 24,510	\$ 47,480	\$ 600	\$ 1,080	\$ 113,480	\$ 1,633
348	VALENTE CRT	PVC	DistMain	T116	150	17.6	1979	80	36	44	\$ 7,210	\$ -	\$ 7,210	\$ 100	\$ 170	\$ 17,232	\$ 248
349	VALENTE CRT	PVC	DistMain	T116	150	56.6	1979	80	36	44	\$ 23,070	\$ 24,510	\$ 47,580	\$ 600	\$ 1,090	\$ 113,719	\$ 1,636
350	ROXBURY CRES	PVC	DistMain	T111	150	110.9	1979	80	36	44	\$ 45,210	\$ 22,040	\$ 67,250	\$ 850	\$ 1,530	\$ 160,731	\$ 2,313
351	ST ANNE BLVD	PVC	DistMain	T298	150	151.1	1991	80	24	56	\$ 61,580	\$ 24,510	\$ 86,090	\$ 1,080	\$ 1,540	\$ 260,953	\$ 2,569
352	ROXBURY CRES	PVC	DistMain	T111	150	106.0	1979	80	36	44	\$ 43,150	\$ 44,070	\$ 87,220	\$ 1,100	\$ 1,990	\$ 208,460	\$ 2,999
353	LESPERANCE RD	PVC	Trunk	T118	300	100.8	2005	80	10	70	\$ 54,370	\$ 9,790	\$ 64,160	\$ 810	\$ 920	\$ 256,612	\$ 1,711
354	LESPERANCE RD	PVC	Trunk	T118	300	3.8	2005	80	10	70	\$ 2,170	\$ -	\$ 2,170	\$ 30	\$ 40	\$ 8,679	\$ 58
356	LESPERANCE RD	PVC	Trunk	T118	300	11.3	2005	80	10	70	\$ 6,080	\$ -	\$ 6,080	\$ 80	\$ 90	\$ 24,317	\$ 162
357	OLIVER DR	PVC	DistMain	T108	150	304.9	1977	80	38	42	\$ 124,080	\$ 61,170	\$ 185,250	\$ 2,320	\$ 4,420	\$ 425,565	\$ 6,561
358	LESPERANCE RD	PVC	Trunk	T106	300	60.7	2005	80	10	70	\$ 32,750	\$ 4,950	\$ 37,700	\$ 480	\$ 540	\$ 150,783	\$ 1,005
359	LESPERANCE RD	PVC	Trunk	T109	300	0.6	2005	80	10	70	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,680	\$ 11
360	CEDARWOOD DR	DI	DistMain	T105	150	296.2	1974	60	41	19	\$ 120,480	\$ 70,950	\$ 191,430	\$ 2,400	\$ 10,080	\$ 278,877	\$ 12,210
361	LITTLE RIVER BLVD	PVC	DistMain	T050	150	99.0	1987	80	28	52	\$ 40,370	\$ -	\$ 40,370	\$ 510	\$ 780	\$ 113,049	\$ 1,256
362	CHENE CRT	PVC	DistMain	T054	150	22.0	1979	80	36	44	\$ 9,070	\$ 9,790	\$ 18,860	\$ 240	\$ 430	\$ 45,076	\$ 649
363	CHENE CRT	PVC	DistMain	T054	150	35.4	1979	80	36	44	\$ 14,420	\$ 12,260	\$ 26,680	\$ 340	\$ 610	\$ 63,767	\$ 917
364	CHENE CRT	PVC	DistMain	T054	150	40.5	1979	80	36	44	\$ 16,580	\$ 2,480	\$ 19,060	\$ 240	\$ 440	\$ 45,554	\$ 655
365	LESPERANCE RD	PVC	Trunk	T056	300	1.1	2005	80	10	70	\$ 620	\$ -	\$ 620	\$ 10	\$ 10	\$ 2,480	\$ 17
366	LITTLE RIVER BLVD	PVC	DistMain	T055	150	118.1	1979	80	36	44	\$ 48,090	\$ 7,420	\$ 55,510	\$ 700	\$ 1,270	\$ 132,672	\$ 1,909
367	LITTLE RIVER BLVD	PVC	DistMain	T052	150	53.3	1979	80	36	44	\$ 21,730	\$ -	\$ 21,730	\$ 280	\$ 500	\$ 51,936	\$ 747
368	LESPERANCE RD	PVC	Trunk	T056	300	81.6	2005	80	10	70	\$ 44,070	\$ 7,420	\$ 51,490	\$ 650	\$ 740	\$ 205,937	\$ 1,373

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
369	TECUMSEH RD	DI	Trunk	T261	400	53.2	1980	60	35	25	\$ 44,380	\$ 4,950	\$ 49,330	\$ 620	\$ 1,980	\$ 80,931	\$ 2,527
370	TECUMSEH RD	DI	Trunk	T261	400	65.0	1980	60	35	25	\$ 54,170	\$ 7,420	\$ 61,590	\$ 770	\$ 2,470	\$ 101,045	\$ 3,155
371	TECUMSEH RD	DI	Trunk	T262	400	28.7	1980	60	35	25	\$ 23,890	\$ 9,790	\$ 33,680	\$ 430	\$ 1,350	\$ 55,256	\$ 1,725
372	TECUMSEH RD	DI	Trunk	T262	400	73.3	1980	60	35	25	\$ 61,060	\$ 4,950	\$ 66,010	\$ 830	\$ 2,650	\$ 108,296	\$ 3,381
373	TECUMSEH RD	DI	Trunk	T262	400	2.1	1980	60	35	25	\$ 1,860	\$ -	\$ 1,860	\$ 30	\$ 80	\$ 3,052	\$ 95
374	TECUMSEH RD	DI	Trunk	T262	400	0.5	1980	60	35	25	\$ 420	\$ 2,480	\$ 2,900	\$ 40	\$ 120	\$ 4,758	\$ 149
375	TECUMSEH RD	DI	Trunk	T262	400	0.5	1980	60	35	25	\$ 420	\$ -	\$ 420	\$ 10	\$ 20	\$ 689	\$ 22
376	TECUMSEH RD	DI	Trunk	T262	400	2.4	1980	60	35	25	\$ 2,060	\$ -	\$ 2,060	\$ 30	\$ 90	\$ 3,380	\$ 106
377	TECUMSEH RD	DI	Trunk	T262	400	16.5	1980	60	35	25	\$ 13,800	\$ 2,480	\$ 16,280	\$ 210	\$ 660	\$ 26,709	\$ 834
378	SHAWNEE RD	PVC	DistMain	T287	150	0.9	1980	80	35	45	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,024	\$ 14
379	SHAWNEE RD	PVC	DistMain	T287	150	0.6	1980	80	35	45	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 756	\$ 11
381	TECUMSEH RD	DI	Trunk	T262	400	45.1	1980	60	35	25	\$ 37,590	\$ 4,950	\$ 42,540	\$ 540	\$ 1,710	\$ 69,791	\$ 2,179
382	TECUMSEH RD	DI	Trunk	T262	400	21.6	1980	60	35	25	\$ 18,020	\$ -	\$ 18,020	\$ 230	\$ 730	\$ 29,564	\$ 923
383	TECUMSEH RD	DI	Trunk	T262	400	52.7	1980	60	35	25	\$ 43,970	\$ 7,420	\$ 51,390	\$ 650	\$ 2,060	\$ 84,311	\$ 2,632
384	TECUMSEH RD	DI	Trunk	T262	400	91.3	1980	60	35	25	\$ 76,100	\$ 19,570	\$ 95,670	\$ 1,200	\$ 3,830	\$ 156,957	\$ 4,900
386	TECUMSEH RD	DI	Trunk	T263	400	228.7	1980	60	35	25	\$ 190,600	\$ 56,220	\$ 246,820	\$ 3,090	\$ 9,880	\$ 404,934	\$ 12,642
388	POISSON ST	DI	DistMain	T297	150	0.5	1980	60	35	25	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 345	\$ 11
389	POISSON ST	DI	DistMain	T297	150	1.5	1980	60	35	25	\$ 620	\$ -	\$ 620	\$ 10	\$ 30	\$ 1,017	\$ 32
390	TECUMSEH RD	DI	Trunk	T264	400	62.6	1980	60	35	25	\$ 52,210	\$ 12,260	\$ 64,470	\$ 810	\$ 2,580	\$ 105,770	\$ 3,302
391	LESPEARANCE RD	PVC	Trunk	T118	300	57.9	2005	80	10	70	\$ 31,310	\$ 4,950	\$ 36,260	\$ 460	\$ 520	\$ 145,024	\$ 967
392	LESPEARANCE RD	PVC	Trunk	T118	300	7.8	2005	80	10	70	\$ 4,230	\$ 2,480	\$ 6,710	\$ 90	\$ 100	\$ 26,837	\$ 179
393	LESPEARANCE RD	CI	DistMain	T109	250	26.2	1986	60	29	31	\$ 13,390	\$ 2,480	\$ 15,870	\$ 200	\$ 520	\$ 29,321	\$ 692
394	LESPEARANCE RD	CI	DistMain	T109	150	303.6	1972	60	43	17	\$ 123,560	\$ 22,040	\$ 145,600	\$ 1,820	\$ 8,570	\$ 203,875	\$ 10,188
395	LESPEARANCE RD	PVC	Trunk	T126	300	68.0	2005	80	10	70	\$ 36,760	\$ 4,950	\$ 41,710	\$ 530	\$ 600	\$ 166,822	\$ 1,112
396	LESPEARANCE RD	PVC	Trunk	T125	300	11.0	2005	80	10	70	\$ 5,980	\$ -	\$ 5,980	\$ 80	\$ 90	\$ 23,917	\$ 159
398	LESPEARANCE RD	PVC	Trunk	T125	300	2.2	2005	80	10	70	\$ 1,240	\$ -	\$ 1,240	\$ 20	\$ 20	\$ 4,959	\$ 33
399	LESPEARANCE RD	PVC	Trunk	T123	300	10.7	2005	80	10	70	\$ 5,870	\$ -	\$ 5,870	\$ 80	\$ 90	\$ 23,477	\$ 157
400	TECUMSEH RD	DI	Trunk	T261	400	15.5	1980	60	35	25	\$ 12,980	\$ -	\$ 12,980	\$ 170	\$ 520	\$ 21,295	\$ 665
401	TECUMSEH RD	DI	Trunk	T261	400	5.3	1980	60	35	25	\$ 4,430	\$ -	\$ 4,430	\$ 60	\$ 180	\$ 7,268	\$ 227
402	TECUMSEH RD	DI	Trunk	T261	400	0.9	1980	60	35	25	\$ 830	\$ 2,480	\$ 3,310	\$ 50	\$ 140	\$ 5,430	\$ 170
403	TECUMSEH RD	DI	DistMain	T261	150	3.4	1980	60	35	25	\$ 1,450	\$ -	\$ 1,450	\$ 20	\$ 60	\$ 2,379	\$ 74
404	TECUMSEH RD	DI	DistMain	T261	150	0.8	1980	60	35	25	\$ 420	\$ -	\$ 420	\$ 10	\$ 20	\$ 689	\$ 22
405	TECUMSEH RD	DI	DistMain	T261	150	1.2	1980	60	35	25	\$ 520	\$ -	\$ 520	\$ 10	\$ 30	\$ 853	\$ 27
406	TECUMSEH RD	DI	DistMain	T261	150	10.4	1980	60	35	25	\$ 4,330	\$ 2,480	\$ 6,810	\$ 90	\$ 280	\$ 11,173	\$ 349
407	TECUMSEH RD	DI	DistMain	T261	150	3.7	1980	60	35	25	\$ 1,550	\$ -	\$ 1,550	\$ 20	\$ 70	\$ 2,543	\$ 79
408	BAILLARGEON DR	PVC	DistMain	T189	150	6.7	1980	80	35	45	\$ 2,790	\$ -	\$ 2,790	\$ 40	\$ 70	\$ 6,802	\$ 95
409	APPLETREE CRES	PVC	DistMain	T183	150	20.9	1980	80	35	45	\$ 8,550	\$ 2,480	\$ 11,030	\$ 140	\$ 250	\$ 26,890	\$ 374
410	ST THOMAS CRES	PVC	DistMain	T188	150	1.6	1980	80	35	45	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 1,780	\$ 25
411	EVERGREEN DR	PVC	DistMain	T120	150	55.5	1980	80	35	45	\$ 22,660	\$ 2,480	\$ 25,140	\$ 320	\$ 560	\$ 61,288	\$ 852
412	LESPEARANCE RD	PVC	Trunk	T056	300	4.8	2005	80	10	70	\$ 2,680	\$ -	\$ 2,680	\$ 40	\$ 40	\$ 10,719	\$ 71
413	LESPEARANCE RD	PVC	Trunk	T056	300	19.9	2005	80	10	70	\$ 10,820	\$ -	\$ 10,820	\$ 140	\$ 160	\$ 43,275	\$ 289
414	MEANDER CRES	PVC	DistMain	T131	150	140.9	1989	80	26	54	\$ 57,360	\$ 31,820	\$ 89,180	\$ 1,120	\$ 1,660	\$ 259,822	\$ 2,716
415	MEANDER CRES	PVC	DistMain	T131	150	9.8	1989	80	26	54	\$ 4,020	\$ 2,480	\$ 6,500	\$ 90	\$ 130	\$ 18,937	\$ 198
416	MEANDER CRES	PVC	DistMain	T131	150	6.3	1989	80	26	54	\$ 2,580	\$ -	\$ 2,580	\$ 40	\$ 50	\$ 7,517	\$ 79
417	MEANDER CRES	PVC	DistMain	T131	150	14.0	1989	80	26	54	\$ 5,770	\$ -	\$ 5,770	\$ 80	\$ 110	\$ 16,811	\$ 176
418	MEANDER CRES	PVC	DistMain	T131	150	77.3	1989	80	26	54	\$ 31,510	\$ 9,790	\$ 41,300	\$ 520	\$ 770	\$ 120,326	\$ 1,258
419	MEANDER CRES	PVC	DistMain	T131	150	57.8	1989	80	26	54	\$ 23,580	\$ 17,200	\$ 40,780	\$ 510	\$ 760	\$ 118,811	\$ 1,242
420	MEANDER CRES	PVC	DistMain	T131	150	8.7	1989	80	26	54	\$ 3,610	\$ -	\$ 3,610	\$ 50	\$ 70	\$ 10,518	\$ 110
421	MEANDER CRES	PVC	DistMain	T131	150	6.9	1989	80	26	54	\$ 2,890	\$ 2,480	\$ 5,370	\$ 70	\$ 100	\$ 15,645	\$ 164
422	MEANDER CRES	PVC	DistMain	T131	150	45.9	1989	80	26	54	\$ 18,740	\$ 7,420	\$ 26,160	\$ 330	\$ 490	\$ 76,216	\$ 797
423	MEANDER CRES	PVC	DistMain	T131	150	40.0	1989	80	26	54	\$ 16,380	\$ 7,420	\$ 23,800	\$ 300	\$ 450	\$ 69,340	\$ 725

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
424	LACASSE BLVD	CONC	Trunk	T064	400	268.7	1969	60	46	14	\$ 223,850	\$ 7,420	\$ 231,270	\$ 2,900	\$ 16,520	\$ 305,156	\$ 19,103
425	DILLON DR	CI	Trunk	T021	400	3.4	1964	60	51	9	\$ 2,890	\$ -	\$ 2,890	\$ 40	\$ 330	\$ 3,454	\$ 354
426	DILLON DR	CONC	Trunk	T021	400	2.3	1969	60	46	14	\$ 1,960	\$ -	\$ 1,960	\$ 30	\$ 140	\$ 2,586	\$ 162
427	DILLON DR	CONC	Trunk	T023	400	3.4	1969	60	46	14	\$ 2,890	\$ -	\$ 2,890	\$ 40	\$ 210	\$ 3,813	\$ 239
428	DILLON DR	CONC	Trunk	T023	400	1.5	1969	60	46	14	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 100	\$ 1,768	\$ 111
429	DILLON DR	CONC	Trunk	T023	400	9.4	1969	60	46	14	\$ 7,930	\$ -	\$ 7,930	\$ 100	\$ 570	\$ 10,463	\$ 655
430	DILLON DR	CONC	Trunk	T023	400	2.3	1969	60	46	14	\$ 1,960	\$ -	\$ 1,960	\$ 30	\$ 140	\$ 2,586	\$ 162
431	DILLON DR	CONC	Trunk	T023	400	38.1	1969	60	46	14	\$ 31,820	\$ -	\$ 31,820	\$ 400	\$ 2,280	\$ 41,986	\$ 2,628
432	LITTLE RIVER BLVD	PVC	Trunk	T079	300	8.0	1980	80	35	45	\$ 4,330	\$ -	\$ 4,330	\$ 60	\$ 100	\$ 10,556	\$ 147
433	LITTLE RIVER BLVD	PVC	Trunk	T079	300	22.8	1980	80	35	45	\$ 12,360	\$ -	\$ 12,360	\$ 160	\$ 280	\$ 30,132	\$ 419
434	SHAWN AVE	PVC	DistMain	T147	150	22.5	1980	80	35	45	\$ 9,170	\$ -	\$ 9,170	\$ 120	\$ 210	\$ 22,355	\$ 311
435	SHAWN AVE	PVC	DistMain	T147	150	94.6	1980	80	35	45	\$ 38,510	\$ 12,260	\$ 50,770	\$ 640	\$ 1,130	\$ 123,770	\$ 1,722
436	LESUPERANCE RD	PVC	DistMain	T195	200	0.9	1999	80	16	64	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 1,847	\$ 14
437	LESUPERANCE RD	PVC	DistMain	T187	200	28.1	1999	80	16	64	\$ 13,600	\$ -	\$ 13,600	\$ 170	\$ 220	\$ 48,300	\$ 379
438	LESUPERANCE RD	PVC	DistMain	T187	200	147.5	1999	80	16	64	\$ 71,260	\$ 29,350	\$ 100,610	\$ 1,260	\$ 1,580	\$ 357,316	\$ 2,801
439	LESUPERANCE RD	PVC	DistMain	T149	200	114.7	1999	80	16	64	\$ 55,500	\$ 19,570	\$ 75,070	\$ 940	\$ 1,180	\$ 266,611	\$ 2,090
440	LESUPERANCE RD	PVC	DistMain	T123	200	95.1	1999	80	16	64	\$ 46,030	\$ 17,200	\$ 63,230	\$ 800	\$ 990	\$ 224,561	\$ 1,760
441	LESUPERANCE RD	PVC	DistMain	T125	200	9.6	1999	80	16	64	\$ 4,640	\$ -	\$ 4,640	\$ 60	\$ 80	\$ 16,479	\$ 129
442	LESUPERANCE RD	PVC	DistMain	T125	200	10.4	1999	80	16	64	\$ 5,050	\$ -	\$ 5,050	\$ 70	\$ 80	\$ 17,935	\$ 141
443	CLAPP ST	PVC	DistMain	T127	200	2.1	1999	80	16	64	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 20	\$ 3,658	\$ 29
444	CLAPP ST	PVC	DistMain	T127	200	11.0	1999	80	16	64	\$ 5,360	\$ -	\$ 5,360	\$ 70	\$ 90	\$ 19,036	\$ 149
445	CLAPP ST	PVC	DistMain	T127	200	0.6	2005	80	10	70	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,240	\$ 8
446	LESUPERANCE RD	PVC	DistMain	T126	200	121.8	1999	80	16	64	\$ 58,900	\$ 19,570	\$ 78,470	\$ 990	\$ 1,230	\$ 278,686	\$ 2,184
447	LESUPERANCE RD	PVC	DistMain	T126	200	13.9	1999	80	16	64	\$ 6,700	\$ 2,480	\$ 9,180	\$ 120	\$ 150	\$ 32,603	\$ 256
448	LESUPERANCE RD	PVC	DistMain	T121	200	74.0	1999	80	16	64	\$ 35,840	\$ 9,790	\$ 45,630	\$ 580	\$ 720	\$ 162,055	\$ 1,270
449	LESUPERANCE RD	PVC	DistMain	T121	150	1.3	1999	80	16	64	\$ 620	\$ -	\$ 620	\$ 10	\$ 10	\$ 2,202	\$ 17
450	LESUPERANCE RD	PVC	DistMain	T121	200	0.7	1999	80	16	64	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,492	\$ 12
451	LESUPERANCE RD	PVC	DistMain	T121	200	1.6	1999	80	16	64	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 2,948	\$ 23
452	LACHANCE CRT	PVC	DistMain	T246	150	16.7	2006	80	9	71	\$ 6,800	\$ 2,480	\$ 9,280	\$ 120	\$ 140	\$ 37,858	\$ 246
454	LACHANCE CRT	PVC	DistMain	T246	150	125.7	1997	80	18	62	\$ 51,180	\$ 2,480	\$ 53,660	\$ 680	\$ 870	\$ 183,173	\$ 1,518
455	SHAWN AVE	PVC	DistMain	T145	150	109.0	1980	80	35	45	\$ 44,380	\$ 19,570	\$ 63,950	\$ 800	\$ 1,430	\$ 155,901	\$ 2,169
456	SHAWN AVE	PVC	DistMain	T145	150	1.8	1980	80	35	45	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 2,023	\$ 28
457	KIMBERLY DR	PVC	DistMain	T146	150	18.0	1980	80	35	45	\$ 7,420	\$ -	\$ 7,420	\$ 100	\$ 170	\$ 18,089	\$ 252
458	KIMBERLY DR	PVC	DistMain	T146	150	1.4	1980	80	35	45	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,511	\$ 21
459	KIMBERLY DR	PVC	DistMain	T146	150	3.9	1980	80	35	45	\$ 1,650	\$ 4,950	\$ 6,600	\$ 90	\$ 150	\$ 16,090	\$ 224
460	KIMBERLY DR	PVC	DistMain	T146	150	16.7	1980	80	35	45	\$ 6,900	\$ 9,790	\$ 16,690	\$ 210	\$ 380	\$ 40,688	\$ 566
461	KIMBERLY DR	PVC	DistMain	T146	150	62.7	1980	80	35	45	\$ 25,540	\$ 14,730	\$ 40,270	\$ 510	\$ 900	\$ 98,172	\$ 1,366
462	KIMBERLY DR	PVC	DistMain	T146	150	0.5	1980	80	35	45	\$ 310	\$ 4,950	\$ 5,260	\$ 70	\$ 120	\$ 12,823	\$ 178
463	KIMBERLY DR	PVC	DistMain	T146	150	2.6	1980	80	35	45	\$ 1,140	\$ -	\$ 1,140	\$ 20	\$ 30	\$ 2,779	\$ 39
464	KIMBERLY DR	PVC	DistMain	T146	150	4.2	1980	80	35	45	\$ 1,760	\$ 7,420	\$ 9,180	\$ 120	\$ 210	\$ 22,380	\$ 311
465	KIMBERLY DR	PVC	DistMain	T146	150	155.1	1980	80	35	45	\$ 63,120	\$ 29,350	\$ 92,470	\$ 1,160	\$ 2,060	\$ 225,428	\$ 3,136
466	KIMBERLY DR	PVC	DistMain	T144	150	109.5	1980	80	35	45	\$ 44,590	\$ 22,040	\$ 66,630	\$ 840	\$ 1,490	\$ 162,434	\$ 2,259
467	KIMBERLY DR	PVC	DistMain	T144	150	58.6	1980	80	35	45	\$ 23,890	\$ 2,480	\$ 26,370	\$ 330	\$ 590	\$ 64,286	\$ 894
468	CLAPP ST	PVC	DistMain	T132	200	9.7	2009	80	6	74	\$ 4,740	\$ -	\$ 4,740	\$ 60	\$ 70	\$ 20,521	\$ 123
469	LACASSE BLVD	PVC	DistMain	T201	200	174.8	2009	80	6	74	\$ 84,440	\$ 17,200	\$ 101,640	\$ 1,280	\$ 1,380	\$ 440,025	\$ 2,643
470	LACASSE BLVD	PVC	DistMain	T204	200	64.7	2009	80	6	74	\$ 31,310	\$ 4,950	\$ 36,260	\$ 460	\$ 490	\$ 156,979	\$ 943
471	LACASSE BLVD	PVC	DistMain	T157	200	5.9	2009	80	6	74	\$ 2,890	\$ -	\$ 2,890	\$ 40	\$ 40	\$ 12,512	\$ 75
472	LACASSE BLVD	PVC	DistMain	T157	200	10.8	2009	80	6	74	\$ 5,260	\$ -	\$ 5,260	\$ 70	\$ 80	\$ 22,772	\$ 137
473	LACASSE BLVD	PVC	DistMain	T157	200	87.7	2009	80	6	74	\$ 42,430	\$ 9,790	\$ 52,220	\$ 660	\$ 710	\$ 226,073	\$ 1,358
474	LACASSE BLVD	PVC	DistMain	T157	200	120.4	2009	80	6	74	\$ 58,180	\$ 14,730	\$ 72,910	\$ 920	\$ 990	\$ 315,646	\$ 1,896
475	LACASSE BLVD	PVC	DistMain	T157	200	6.8	2009	80	6	74	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 50	\$ 14,287	\$ 86

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
476	LANOUE ST	PVC	DistMain	T315	150	8.7	1997	80	18	62	\$ 3,610	\$ 2,480	\$ 6,090	\$ 80	\$ 100	\$ 20,789	\$ 172
477	LANOUE ST	PVC	DistMain	T315	150	1.1	1997	80	18	62	\$ 520	\$ 2,480	\$ 3,000	\$ 40	\$ 50	\$ 10,241	\$ 85
478	LANOUE ST	PVC	DistMain	T315	150	94.0	1997	80	18	62	\$ 38,310	\$ 22,040	\$ 60,350	\$ 760	\$ 980	\$ 206,010	\$ 1,707
479	BRENDA CRES	PVC	DistMain	T203	150	0.3	1994	80	21	59	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 676	\$ 6
480	BRENDA CRES	PVC	DistMain	T203	150	147.9	1994	80	21	59	\$ 60,240	\$ -	\$ 60,240	\$ 760	\$ 1,030	\$ 193,774	\$ 1,748
481	BRENDA CRES	PVC	DistMain	T203	150	1.3	1994	80	21	59	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,994	\$ 18
482	ST ANNE BLVD	PVC	DistMain	T288	150	0.7	1993	80	22	58	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 978	\$ 9
483	ST ANNE BLVD	PVC	DistMain	T288	150	98.0	1993	80	22	58	\$ 39,960	\$ 7,420	\$ 47,380	\$ 600	\$ 820	\$ 149,419	\$ 1,388
484	ST ANNE BLVD	PVC	DistMain	T288	150	83.0	1993	80	22	58	\$ 33,780	\$ 9,790	\$ 43,570	\$ 550	\$ 760	\$ 137,403	\$ 1,276
485	ST ANNE BLVD	PVC	DistMain	T290	150	11.8	1993	80	22	58	\$ 4,840	\$ -	\$ 4,840	\$ 70	\$ 90	\$ 15,264	\$ 142
486	ST ANNE BLVD	PVC	DistMain	T290	150	1.2	1993	80	22	58	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 1,640	\$ 15
487	ST ANNE BLVD	PVC	DistMain	T290	150	80.1	1993	80	22	58	\$ 32,650	\$ 9,790	\$ 42,440	\$ 540	\$ 740	\$ 133,840	\$ 1,243
488	LITTLE RIVER BLVD	PVC	Trunk	T063	300	134.6	1993	80	22	58	\$ 72,700	\$ 4,950	\$ 77,650	\$ 980	\$ 1,340	\$ 244,879	\$ 2,274
489	LITTLE RIVER BLVD	PVC	Trunk	T061	300	66.8	1993	80	22	58	\$ 36,150	\$ 12,260	\$ 48,410	\$ 610	\$ 840	\$ 152,667	\$ 1,418
490	LITTLE RIVER BLVD	PVC	Trunk	T061	300	56.3	1993	80	22	58	\$ 30,380	\$ 2,480	\$ 32,860	\$ 420	\$ 570	\$ 103,628	\$ 962
491	LACASSE BLVD	CONC	Trunk	T252	400	3.4	1969	60	46	14	\$ 2,890	\$ -	\$ 2,890	\$ 40	\$ 210	\$ 3,813	\$ 239
492	LACASSE BLVD	PVC	DistMain	T252	250	5.1	1969	80	46	34	\$ 2,680	\$ -	\$ 2,680	\$ 40	\$ 80	\$ 5,255	\$ 109
493	LACASSE BLVD	PVC	Bypass	T253	250	12.7	2006	80	9	71	\$ 6,490	\$ -	\$ 6,490	\$ 90	\$ 100	\$ 26,476	\$ 172
496	VIA ROADWAY	CONC	Trunk	T269	400	5.7	1972	60	43	17	\$ 4,840	\$ -	\$ 4,840	\$ 70	\$ 290	\$ 6,777	\$ 339
497	MCNORTON ST	PVC	DistMain	T193	150	5.2	1980	80	35	45	\$ 2,170	\$ -	\$ 2,170	\$ 30	\$ 50	\$ 5,290	\$ 74
498	LESPEANCE RD	PVC	Trunk	T195	300	1.8	2005	80	10	70	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 20	\$ 4,120	\$ 27
499	LESPEANCE RD	PVC	Trunk	T190	300	91.1	2005	80	10	70	\$ 49,220	\$ -	\$ 49,220	\$ 620	\$ 710	\$ 196,858	\$ 1,313
501	BAILLARGEON DR	PVC	DistMain	T189	150	8.9	2005	80	10	70	\$ 3,710	\$ -	\$ 3,710	\$ 50	\$ 60	\$ 14,838	\$ 99
502	BAILLARGEON DR	PVC	DistMain	T189	150	0.5	2005	80	10	70	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 840	\$ 6
503	LESPEANCE RD	PVC	Trunk	T195	300	69.4	2005	80	10	70	\$ 37,480	\$ -	\$ 37,480	\$ 470	\$ 540	\$ 149,903	\$ 1,000
504	BAILLARGEON DR	PVC	DistMain	T189	150	130.4	1980	80	35	45	\$ 53,140	\$ 41,600	\$ 94,740	\$ 1,190	\$ 2,110	\$ 230,962	\$ 3,213
505	BAILLARGEON DR	PVC	DistMain	T189	150	147.0	1980	80	35	45	\$ 59,830	\$ 39,130	\$ 98,960	\$ 1,240	\$ 2,200	\$ 241,250	\$ 3,356
506	BAILLARGEON DR	PVC	DistMain	T189	150	2.4	1980	80	35	45	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 30	\$ 2,511	\$ 35
507	LESPEANCE RD	PVC	Trunk	T187	300	92.4	2005	80	10	70	\$ 49,940	\$ 7,420	\$ 57,360	\$ 720	\$ 820	\$ 229,415	\$ 1,530
509	LESPEANCE RD	PVC	Trunk	T187	300	52.9	2005	80	10	70	\$ 28,630	\$ -	\$ 28,630	\$ 360	\$ 410	\$ 114,507	\$ 763
511	ORCHARD DR	PVC	DistMain	T186	150	12.2	2005	80	10	70	\$ 5,050	\$ -	\$ 5,050	\$ 70	\$ 80	\$ 20,198	\$ 135
512	ORCHARD DR	PVC	DistMain	T186	150	3.2	1980	80	35	45	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 30	\$ 3,267	\$ 45
513	ORCHARD DR	PVC	DistMain	T186	150	81.8	1980	80	35	45	\$ 33,260	\$ 24,510	\$ 57,770	\$ 730	\$ 1,290	\$ 140,835	\$ 1,959
514	ORCHARD DR	PVC	DistMain	T186	150	1.0	1980	80	35	45	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,024	\$ 14
515	APPLETREE CRES	PVC	DistMain	T183	150	1.8	1980	80	35	45	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 1,780	\$ 25
516	ORCHARD DR	PVC	DistMain	T185	150	1.0	1980	80	35	45	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,024	\$ 14
517	ORCHARD DR	PVC	DistMain	T185	150	104.9	1980	80	35	45	\$ 42,740	\$ 24,510	\$ 67,250	\$ 850	\$ 1,500	\$ 163,946	\$ 2,280
518	ORCHARD DR	PVC	DistMain	T185	150	91.2	1980	80	35	45	\$ 37,180	\$ 19,570	\$ 56,750	\$ 710	\$ 1,270	\$ 138,348	\$ 1,924
519	APPLETREE CRES	PVC	DistMain	T183	150	67.0	1980	80	35	45	\$ 27,290	\$ 12,260	\$ 39,550	\$ 500	\$ 880	\$ 96,417	\$ 1,341
520	VIA ROADWAY	CONC	Trunk	T269	400	58.0	1972	60	43	17	\$ 48,300	\$ -	\$ 48,300	\$ 610	\$ 2,850	\$ 67,632	\$ 3,380
521	VIA ROADWAY	CONC	Trunk	T269	400	2.4	1972	60	43	17	\$ 2,060	\$ -	\$ 2,060	\$ 30	\$ 130	\$ 2,884	\$ 144
526	LANOUE ST	PVC	DistMain	T315	200	91.7	1991	80	24	56	\$ 44,380	\$ 17,200	\$ 61,580	\$ 770	\$ 1,100	\$ 186,659	\$ 1,838
527	LANOUE ST	PVC	DistMain	T315	200	16.4	1991	80	24	56	\$ 8,040	\$ 2,480	\$ 10,520	\$ 140	\$ 190	\$ 31,888	\$ 314
528	LANOUE ST	PVC	DistMain	T318	200	18.9	1991	80	24	56	\$ 9,170	\$ 2,480	\$ 11,650	\$ 150	\$ 210	\$ 35,313	\$ 348
529	LANOUE ST	PVC	DistMain	T316	200	35.4	1991	80	24	56	\$ 17,200	\$ 7,420	\$ 24,620	\$ 310	\$ 440	\$ 74,627	\$ 735
530	LANOUE ST	PVC	DistMain	T316	200	4.0	1991	80	24	56	\$ 1,960	\$ -	\$ 1,960	\$ 30	\$ 40	\$ 5,941	\$ 58
531	ARBOUR ST	PVC	DistMain	T310	150	0.8	1972	80	43	37	\$ 420	\$ -	\$ 420	\$ 10	\$ 20	\$ 874	\$ 16
532	ARBOUR ST	PVC	DistMain	T310	150	7.0	1972	80	43	37	\$ 2,890	\$ -	\$ 2,890	\$ 40	\$ 80	\$ 6,013	\$ 111
533	ARBOUR ST	PVC	DistMain	T310	200	1.2	1991	80	24	56	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,879	\$ 19
534	ARBOUR ST	PVC	DistMain	T310	200	34.2	1991	80	24	56	\$ 16,580	\$ -	\$ 16,580	\$ 210	\$ 300	\$ 50,257	\$ 495
535	LANOUE ST	PVC	DistMain	T317	200	63.5	1991	80	24	56	\$ 30,690	\$ 19,570	\$ 50,260	\$ 630	\$ 900	\$ 152,346	\$ 1,500

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
536	LANOUE ST	PVC	DistMain	T317	200	110.8	1991	80	24	56	\$ 53,550	\$ 34,290	\$ 87,840	\$ 1,100	\$ 1,570	\$ 266,258	\$ 2,622
537	LACASSE BLVD	CONC	DistMain	T252	250	2.2	1972	60	43	17	\$ 1,140	\$ -	\$ 1,140	\$ 20	\$ 70	\$ 1,596	\$ 80
538	VIA ROADWAY	CONC	Trunk	T269	400	11.3	1972	60	43	17	\$ 9,480	\$ -	\$ 9,480	\$ 120	\$ 560	\$ 13,274	\$ 663
539	ST PIERRE ST	CI	DistMain	T151	150	246.5	1960	60	55	5	\$ 100,290	\$ 31,820	\$ 132,110	\$ 1,660	\$ 26,430	\$ 145,860	\$ 28,028
540	ST PIERRE ST	CI	DistMain	T197	150	304.4	1960	60	55	5	\$ 123,870	\$ 61,170	\$ 185,040	\$ 2,320	\$ 37,010	\$ 204,299	\$ 39,258
541	ST PIERRE ST	CI	DistMain	T214	150	339.9	1960	60	55	5	\$ 138,290	\$ 48,910	\$ 187,200	\$ 2,340	\$ 37,440	\$ 206,684	\$ 39,716
542	LABUTE ST	CI	DistMain	T155	150	115.1	1971	60	44	16	\$ 46,850	\$ 34,290	\$ 81,140	\$ 1,020	\$ 5,080	\$ 111,388	\$ 5,976
543	CLAPP ST	CI	DistMain	T127	200	91.2	1968	60	47	13	\$ 44,070	\$ -	\$ 44,070	\$ 560	\$ 3,390	\$ 57,009	\$ 3,883
544	CLAPP ST	CI	DistMain	T128	150	102.9	1968	60	47	13	\$ 41,910	\$ 4,950	\$ 46,860	\$ 590	\$ 3,610	\$ 60,618	\$ 4,129
545	CLAPP ST	CI	DistMain	T130	150	83.2	1968	60	47	13	\$ 33,880	\$ 17,200	\$ 51,080	\$ 640	\$ 3,930	\$ 66,077	\$ 4,501
546	CLAPP ST	CI	DistMain	T132	150	78.2	1968	60	47	13	\$ 31,920	\$ 12,260	\$ 44,180	\$ 560	\$ 3,400	\$ 57,152	\$ 3,893
547	WILLIAM ST	CI	DistMain	T216	150	293.9	1960	60	55	5	\$ 119,550	\$ 31,820	\$ 151,370	\$ 1,900	\$ 30,280	\$ 167,125	\$ 32,114
548	WILLIAM ST	CI	DistMain	T153	150	222.4	1960	60	55	5	\$ 90,510	\$ 36,660	\$ 127,170	\$ 1,590	\$ 25,440	\$ 140,406	\$ 26,980
549	WILLIAM ST	CI	DistMain	T199	150	333.5	1960	60	55	5	\$ 135,710	\$ 44,070	\$ 179,780	\$ 2,250	\$ 35,960	\$ 198,492	\$ 38,142
550	ST THOMAS ST	CI	DistMain	T154	150	81.6	1970	60	45	15	\$ 33,260	\$ 4,950	\$ 38,210	\$ 480	\$ 2,550	\$ 51,426	\$ 2,974
551	LACASSE BLVD	PVC	DistMain	T157	200	9.5	2009	80	6	74	\$ 4,640	\$ -	\$ 4,640	\$ 60	\$ 70	\$ 20,088	\$ 121
552	LACASSE BLVD	PVC	DistMain	T157	200	8.3	2009	80	6	74	\$ 4,120	\$ -	\$ 4,120	\$ 60	\$ 60	\$ 17,837	\$ 107
553	ST THOMAS ST	CI	DistMain	T156	150	92.8	1970	60	45	15	\$ 37,790	\$ 7,420	\$ 45,210	\$ 570	\$ 3,020	\$ 60,847	\$ 3,518
554	POISSON ST	DI	DistMain	T297	150	5.4	1980	60	35	25	\$ 2,270	\$ -	\$ 2,270	\$ 30	\$ 100	\$ 3,724	\$ 116
555	POISSON ST	DI	DistMain	T297	150	4.1	1980	60	35	25	\$ 1,760	\$ -	\$ 1,760	\$ 30	\$ 80	\$ 2,887	\$ 90
556	POISSON ST	DI	DistMain	T297	150	3.2	1980	60	35	25	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 60	\$ 2,198	\$ 69
557	POISSON ST	DI	DistMain	T297	150	0.7	1980	60	35	25	\$ 310	\$ -	\$ 310	\$ 10	\$ 20	\$ 509	\$ 16
558	POISSON ST	DI	DistMain	T297	150	1.1	1980	60	35	25	\$ 520	\$ -	\$ 520	\$ 10	\$ 30	\$ 853	\$ 27
560	TECUMSEH RD	DI	Trunk	T264	400	56.7	1980	60	35	25	\$ 47,270	\$ 17,200	\$ 64,470	\$ 810	\$ 2,580	\$ 105,770	\$ 3,302
561	ST ANNE BLVD	PVC	DistMain	T298	150	3.2	1980	80	35	45	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 30	\$ 3,267	\$ 45
562	ST ANNE BLVD	PVC	DistMain	T298	150	10.0	1980	80	35	45	\$ 4,120	\$ 2,480	\$ 6,600	\$ 90	\$ 150	\$ 16,090	\$ 224
563	ST ANNE BLVD	PVC	DistMain	T295	150	98.4	1991	80	24	56	\$ 40,060	\$ 12,260	\$ 52,320	\$ 660	\$ 940	\$ 158,591	\$ 1,562
564	ST ANNE BLVD	PVC	DistMain	T295	150	15.7	1987	80	28	52	\$ 6,390	\$ 2,480	\$ 8,870	\$ 120	\$ 180	\$ 24,839	\$ 276
565	ST ANNE BLVD	PVC	DistMain	T298	150	1.1	1980	80	35	45	\$ 520	\$ -	\$ 520	\$ 10	\$ 20	\$ 1,268	\$ 18
566	TECUMSEH RD	DI	Trunk	T265	400	106.5	1980	60	35	25	\$ 88,760	\$ 19,570	\$ 108,330	\$ 1,360	\$ 4,340	\$ 177,727	\$ 5,549
571	TECUMSEH RD	DI	DistMain	T312	150	12.5	1980	60	35	25	\$ 5,150	\$ -	\$ 5,150	\$ 70	\$ 210	\$ 8,449	\$ 264
575	ST THOMAS CRES	PVC	DistMain	T188	150	7.8	1980	80	35	45	\$ 3,200	\$ 2,480	\$ 5,680	\$ 80	\$ 130	\$ 13,847	\$ 193
576	ST THOMAS CRES	PVC	DistMain	T188	150	82.5	1980	80	35	45	\$ 33,570	\$ 24,510	\$ 58,080	\$ 730	\$ 1,300	\$ 141,591	\$ 1,969
577	PAPINEAU CRT	DI	DistMain	T124	150	68.4	1977	60	38	22	\$ 27,810	\$ 24,510	\$ 52,320	\$ 660	\$ 2,380	\$ 80,886	\$ 2,963
578	PAPINEAU CRT	DI	DistMain	T124	150	109.7	1977	60	38	22	\$ 44,690	\$ 29,350	\$ 74,040	\$ 930	\$ 3,370	\$ 114,464	\$ 4,193
579	PAPINEAU CRT	DI	DistMain	T124	150	47.4	1977	60	38	22	\$ 19,360	\$ 7,420	\$ 26,780	\$ 340	\$ 1,220	\$ 41,401	\$ 1,517
582	GAUTHIER DR	PVC	DistMain	T104	150	39.7	1974	80	41	39	\$ 16,170	\$ -	\$ 16,170	\$ 210	\$ 420	\$ 35,004	\$ 601
583	GAUTHIER DR	PVC	DistMain	T104	150	14.4	1974	80	41	39	\$ 5,870	\$ -	\$ 5,870	\$ 80	\$ 160	\$ 12,707	\$ 218
584	GAUTHIER DR	PVC	DistMain	T104	150	3.5	1974	80	41	39	\$ 1,450	\$ -	\$ 1,450	\$ 20	\$ 40	\$ 3,139	\$ 54
585	GAUTHIER DR	PVC	DistMain	T107	150	2.9	1974	80	41	39	\$ 1,240	\$ -	\$ 1,240	\$ 20	\$ 40	\$ 2,684	\$ 46
586	GAUTHIER DR	PVC	DistMain	T107	150	6.6	1974	80	41	39	\$ 2,790	\$ -	\$ 2,790	\$ 40	\$ 80	\$ 6,040	\$ 104
587	GAUTHIER DR	PVC	DistMain	T107	150	8.1	1974	80	41	39	\$ 3,300	\$ 2,480	\$ 5,780	\$ 80	\$ 150	\$ 12,512	\$ 215
588	GAUTHIER DR	PVC	DistMain	T107	150	39.5	1974	80	41	39	\$ 16,070	\$ 4,950	\$ 21,020	\$ 270	\$ 540	\$ 45,503	\$ 781
589	ARBOUR ST	CI	DistMain	T294	150	133.3	1955	60	60	0	\$ 54,270	\$ 2,480	\$ 56,750	\$ 710	\$ 710	\$ 276,681	\$ 1,428
590	LANOUE ST	PVC	DistMain	T317	200	20.5	1991	80	24	56	\$ 9,990	\$ 4,950	\$ 14,940	\$ 190	\$ 270	\$ 45,286	\$ 446
591	LANOUE ST	PVC	DistMain	T317	200	13.4	1991	80	24	56	\$ 6,490	\$ -	\$ 6,490	\$ 90	\$ 120	\$ 19,672	\$ 194
592	LACASSE BLVD	CONC	Trunk	T252	400	1.5	1972	60	43	17	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 80	\$ 1,876	\$ 94
593	LACASSE BLVD	CONC	Trunk	T252	400	3.9	1972	60	43	17	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 200	\$ 4,621	\$ 231
595	LACASSE BLVD	CONC	Trunk	T252	400	45.9	1972	60	43	17	\$ 38,310	\$ -	\$ 38,310	\$ 480	\$ 2,260	\$ 53,643	\$ 2,681
596	VIA ROADWAY	CONC	Trunk	T269	400	0.6	1972	60	43	17	\$ 520	\$ -	\$ 520	\$ 10	\$ 40	\$ 728	\$ 36
597	VIA ROADWAY	CONC	Trunk	T269	400	46.2	1972	60	43	17	\$ 38,620	\$ -	\$ 38,620	\$ 490	\$ 2,280	\$ 54,077	\$ 2,702

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
598	VIA ROADWAY	PVC	DistMain	T269	150	0.6	1972	80	43	37	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 645	\$ 12
599	VIA ROADWAY	CONC	Trunk	T269	400	38.6	1972	60	43	17	\$ 32,230	\$ -	\$ 32,230	\$ 410	\$ 1,900	\$ 45,130	\$ 2,255
600	VIA ROADWAY	CONC	Trunk	T269	400	2.2	1972	60	43	17	\$ 1,960	\$ -	\$ 1,960	\$ 30	\$ 120	\$ 2,744	\$ 137
601	LANOUE ST	CONC	Trunk	T315	400	106.9	1972	60	43	17	\$ 89,170	\$ -	\$ 89,170	\$ 1,120	\$ 5,250	\$ 124,860	\$ 6,239
602	LANOUE ST	CONC	Trunk	T315	400	4.2	1972	60	43	17	\$ 3,510	\$ -	\$ 3,510	\$ 50	\$ 210	\$ 4,915	\$ 246
603	CHENE ST	DI	DistMain	T020	150	269.5	1978	60	37	23	\$ 109,660	\$ 63,540	\$ 173,200	\$ 2,170	\$ 7,540	\$ 273,119	\$ 9,469
604	DILLON DR	PVC	DistMain	T021	150	71.4	1979	80	36	44	\$ 29,140	\$ 7,420	\$ 36,560	\$ 460	\$ 840	\$ 87,380	\$ 1,257
605	DILLON DR	PVC	DistMain	T019	150	55.5	1979	80	36	44	\$ 22,660	\$ 7,420	\$ 30,080	\$ 380	\$ 690	\$ 71,893	\$ 1,034
606	DILLON DR	CI	Trunk	T019	400	54.9	1964	60	51	9	\$ 45,720	\$ -	\$ 45,720	\$ 580	\$ 5,080	\$ 54,640	\$ 5,601
607	DILLON DR	CI	Trunk	T021	400	111.8	1964	60	51	9	\$ 93,190	\$ 7,420	\$ 100,610	\$ 1,260	\$ 11,180	\$ 120,238	\$ 12,326
608	DILLON DR	PVC	DistMain	T019	150	44.6	1988	80	27	53	\$ 18,230	\$ -	\$ 18,230	\$ 230	\$ 350	\$ 52,071	\$ 561
609	DILLON DR	PVC	DistMain	T017	150	105.7	1988	80	27	53	\$ 43,040	\$ 7,420	\$ 50,460	\$ 640	\$ 960	\$ 144,131	\$ 1,553
610	KENNEY CRT	PVC	DistMain	T018	150	37.6	1988	80	27	53	\$ 15,350	\$ 2,480	\$ 17,830	\$ 230	\$ 340	\$ 50,928	\$ 549
611	SOMERVILLE ST	PVC	DistMain	T051	150	276.3	1988	80	27	53	\$ 112,440	\$ 63,540	\$ 175,980	\$ 2,200	\$ 3,330	\$ 502,658	\$ 5,416
612	GAUTHIER DR	PVC	DistMain	T049	150	7.1	1988	80	27	53	\$ 2,890	\$ 2,480	\$ 5,370	\$ 70	\$ 110	\$ 15,339	\$ 165
613	KENNEY CRT	PVC	DistMain	T018	150	292.7	1988	80	27	53	\$ 119,140	\$ 56,220	\$ 175,360	\$ 2,200	\$ 3,310	\$ 500,887	\$ 5,397
614	GAUTHIER DR	PVC	DistMain	T049	150	312.1	1988	80	27	53	\$ 126,960	\$ 73,320	\$ 200,280	\$ 2,510	\$ 3,780	\$ 572,067	\$ 6,163
615	GAUTHIER DR	PVC	DistMain	T104	150	76.8	1988	80	27	53	\$ 31,310	\$ 19,570	\$ 50,880	\$ 640	\$ 960	\$ 145,330	\$ 1,566
616	DILLON DR	CI	Trunk	T017	400	197.9	1964	60	51	9	\$ 164,850	\$ 9,790	\$ 174,640	\$ 2,190	\$ 19,410	\$ 208,711	\$ 21,396
617	CHENE ST	PVC	DistMain	T053	150	25.9	1988	80	27	53	\$ 10,610	\$ -	\$ 10,610	\$ 140	\$ 210	\$ 30,306	\$ 327
618	CHENE ST	PVC	DistMain	T053	150	255.1	1988	80	27	53	\$ 103,800	\$ 53,750	\$ 157,550	\$ 1,970	\$ 2,980	\$ 450,016	\$ 4,848
619	LESPEANCE RD	CI	DistMain	T056	150	183.8	1986	60	29	31	\$ 74,760	\$ 14,730	\$ 89,490	\$ 1,120	\$ 2,890	\$ 165,341	\$ 3,901
620	LESPEANCE RD	CI	DistMain	T056	150	43.9	1986	60	29	31	\$ 17,920	\$ -	\$ 17,920	\$ 230	\$ 580	\$ 33,109	\$ 781
621	DILLON DR	PVC	DistMain	T023	150	66.5	1986	80	29	51	\$ 27,090	\$ -	\$ 27,090	\$ 340	\$ 540	\$ 74,373	\$ 852
622	ST PIERRE ST	CI	DistMain	T024	150	257.6	1955	60	60	0	\$ 104,820	\$ 39,130	\$ 143,950	\$ 1,800	\$ 1,800	\$ 701,819	\$ 3,622
623	ST PIERRE ST	CI	DistMain	T059	150	120.0	1978	60	37	23	\$ 48,810	\$ 12,260	\$ 61,070	\$ 770	\$ 2,660	\$ 96,301	\$ 3,339
624	ST PIERRE ST	CI	DistMain	T129	150	574.9	1978	60	37	23	\$ 233,840	\$ 105,130	\$ 338,970	\$ 4,240	\$ 14,740	\$ 534,522	\$ 18,531
625	TECUMSEH RD	DI	Trunk	T267	400	170.8	1980	60	35	25	\$ 142,300	\$ 29,350	\$ 171,650	\$ 2,150	\$ 6,870	\$ 281,610	\$ 8,792
626	TECUMSEH RD	DI	Trunk	T267	400	69.1	1980	60	35	25	\$ 57,670	\$ 4,950	\$ 62,620	\$ 790	\$ 2,510	\$ 102,735	\$ 3,207
627	BEDELL ST	PVC	DistMain	T314	200	8.3	2007	80	8	72	\$ 4,120	\$ -	\$ 4,120	\$ 60	\$ 60	\$ 17,144	\$ 108
628	TECUMSEH RD	DI	Trunk	T268	400	75.6	1980	60	35	25	\$ 63,020	\$ 7,420	\$ 70,440	\$ 890	\$ 2,820	\$ 115,564	\$ 3,608
629	LESPEANCE RD	DI	DistMain	T312	150	82.4	1980	60	35	25	\$ 33,570	\$ 4,950	\$ 38,520	\$ 490	\$ 1,550	\$ 63,196	\$ 1,973
634	LESPEANCE RD	PVC	Trunk	T266	300	94.0	2006	80	9	71	\$ 50,770	\$ 12,260	\$ 63,030	\$ 790	\$ 890	\$ 257,134	\$ 1,670
638	MCNORTON ST	PVC	DistMain	T194	150	50.3	1980	80	35	45	\$ 20,500	\$ 7,420	\$ 27,920	\$ 350	\$ 630	\$ 68,065	\$ 947
640	MCNORTON ST	PVC	DistMain	T194	150	160.5	1980	80	35	45	\$ 65,390	\$ 24,510	\$ 89,900	\$ 1,130	\$ 2,000	\$ 219,163	\$ 3,048
642	LESPEANCE RD	PVC	DistMain	T311	150	109.5	1994	80	21	59	\$ 44,590	\$ 4,950	\$ 49,540	\$ 620	\$ 840	\$ 159,355	\$ 1,438
643	LESPEANCE RD	PVC	DistMain	T307	150	116.3	1994	80	21	59	\$ 47,370	\$ 17,200	\$ 64,570	\$ 810	\$ 1,100	\$ 207,702	\$ 1,874
644	LESPEANCE RD	PVC	DistMain	T299	150	65.1	1994	80	21	59	\$ 26,570	\$ 4,950	\$ 31,520	\$ 400	\$ 540	\$ 101,390	\$ 915
645	LESPEANCE RD	CI	DistMain	T299	150	107.1	1960	60	55	5	\$ 43,660	\$ 12,260	\$ 55,920	\$ 700	\$ 11,190	\$ 61,740	\$ 11,864
646	MCNORTON ST	PVC	DistMain	T193	150	44.8	1980	80	35	45	\$ 18,230	\$ 4,950	\$ 23,180	\$ 290	\$ 520	\$ 56,509	\$ 786
647	MCNORTON ST	PVC	DistMain	T193	150	2.5	1980	80	35	45	\$ 1,140	\$ -	\$ 1,140	\$ 20	\$ 30	\$ 2,779	\$ 39
648	MCNORTON ST	PVC	DistMain	T193	150	38.2	1980	80	35	45	\$ 15,550	\$ 4,950	\$ 20,500	\$ 260	\$ 460	\$ 49,976	\$ 695
649	MEANDER CRES	PVC	DistMain	T131	150	2.2	1989	80	26	54	\$ 930	\$ -	\$ 930	\$ 20	\$ 20	\$ 2,710	\$ 28
650	LACASSE BLVD	PVC	DistMain	T134	150	1.9	1989	80	26	54	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 2,418	\$ 25
651	LACASSE BLVD	PVC	DistMain	T134	150	76.5	1989	80	26	54	\$ 31,200	\$ 4,950	\$ 36,150	\$ 460	\$ 670	\$ 105,322	\$ 1,101
652	LACASSE BLVD	PVC	DistMain	T133	150	87.5	1989	80	26	54	\$ 35,630	\$ -	\$ 35,630	\$ 450	\$ 660	\$ 103,807	\$ 1,085
653	LACASSE BLVD	PVC	DistMain	T133	150	21.8	1989	80	26	54	\$ 8,860	\$ -	\$ 8,860	\$ 120	\$ 170	\$ 25,813	\$ 270
654	LACASSE BLVD	PVC	DistMain	T133	150	87.4	1989	80	26	54	\$ 35,630	\$ -	\$ 35,630	\$ 450	\$ 660	\$ 103,807	\$ 1,085
655	LACASSE BLVD	CONC	Trunk	T157	400	23.7	1969	60	46	14	\$ 19,770	\$ -	\$ 19,770	\$ 250	\$ 1,420	\$ 26,086	\$ 1,633
657	LACASSE BLVD	PVC	DistMain	T157	150	2.9	1969	80	46	34	\$ 1,240	\$ 2,480	\$ 3,720	\$ 50	\$ 110	\$ 7,294	\$ 152
658	LACASSE BLVD	PVC	DistMain	T157	150	1.8	1969	80	46	34	\$ 730	\$ 2,480	\$ 3,210	\$ 50	\$ 100	\$ 6,294	\$ 131

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Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
661	LACASSE BLVD	PVC	DistMain	T157	150	13.7	1969	80	46	34	\$ 5,670	\$ -	\$ 5,670	\$ 80	\$ 170	\$ 11,117	\$ 231
662	LACASSE BLVD	CONC	Trunk	T157	400	200.5	1969	60	46	14	\$ 167,020	\$ 2,480	\$ 169,500	\$ 2,120	\$ 12,110	\$ 223,652	\$ 14,001
663	LACASSE BLVD	CONC	Trunk	T157	400	15.4	1969	60	46	14	\$ 12,880	\$ -	\$ 12,880	\$ 170	\$ 920	\$ 16,995	\$ 1,064
664	LACASSE BLVD	CONC	Trunk	T207	400	159.5	1969	60	46	14	\$ 132,930	\$ 7,420	\$ 140,350	\$ 1,760	\$ 10,030	\$ 185,189	\$ 11,593
665	LACASSE BLVD	CONC	Trunk	T201	400	15.2	1969	60	46	14	\$ 12,770	\$ -	\$ 12,770	\$ 160	\$ 920	\$ 16,850	\$ 1,055
666	BRENDA CRES	DI	DistMain	T203	150	52.5	1994	60	21	39	\$ 21,420	\$ -	\$ 21,420	\$ 270	\$ 550	\$ 46,369	\$ 796
667	BRENDA CRES	DI	DistMain	T203	150	1.3	1994	60	21	39	\$ 520	\$ -	\$ 520	\$ 10	\$ 20	\$ 1,126	\$ 19
668	BRENDA CRES	PVC	DistMain	T203	150	0.6	1994	80	21	59	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 997	\$ 9
669	LACASSE BLVD	PVC	Trunk	T064	300	1.6	1980	80	35	45	\$ 930	\$ -	\$ 930	\$ 20	\$ 30	\$ 2,267	\$ 32
670	LACASSE BLVD	PVC	DistMain	T207	200	69.5	2009	80	6	74	\$ 33,680	\$ 4,950	\$ 38,630	\$ 490	\$ 530	\$ 167,239	\$ 1,005
671	LACASSE BLVD	PVC	DistMain	T207	150	6.3	1964	80	51	29	\$ 2,580	\$ 2,480	\$ 5,060	\$ 70	\$ 180	\$ 8,986	\$ 232
672	GAUTHIER DR	PVC	DistMain	T122	150	13.5	1980	80	35	45	\$ 5,570	\$ 2,480	\$ 8,050	\$ 110	\$ 180	\$ 19,625	\$ 273
673	GAUTHIER DR	PVC	DistMain	T122	150	152.2	1980	80	35	45	\$ 61,990	\$ 41,600	\$ 103,590	\$ 1,300	\$ 2,310	\$ 252,537	\$ 3,513
674	GAUTHIER DR	PVC	DistMain	T122	150	30.3	1980	80	35	45	\$ 12,360	\$ 9,790	\$ 22,150	\$ 280	\$ 500	\$ 53,998	\$ 751
675	GAUTHIER DR	PVC	DistMain	T122	150	23.2	1980	80	35	45	\$ 9,480	\$ 4,950	\$ 14,430	\$ 190	\$ 330	\$ 35,178	\$ 489
676	LESPEANCE RD	PVC	Trunk	T123	300	56.0	2005	80	10	70	\$ 30,280	\$ -	\$ 30,280	\$ 380	\$ 440	\$ 121,107	\$ 807
679	DEMARSE CRT	PVC	DistMain	T301	150	131.0	1995	80	20	60	\$ 53,340	\$ 2,480	\$ 55,820	\$ 700	\$ 940	\$ 183,147	\$ 1,606
680	DEMARSE CRT	PVC	DistMain	T302	150	109.8	1995	80	20	60	\$ 44,690	\$ 39,130	\$ 83,820	\$ 1,050	\$ 1,400	\$ 275,016	\$ 2,411
681	DEMARSE CRT	PVC	DistMain	T303	150	91.5	1995	80	20	60	\$ 37,280	\$ 34,290	\$ 71,570	\$ 900	\$ 1,200	\$ 234,823	\$ 2,059
682	ARBOUR ST	CI	DistMain	T308	150	213.5	1996	60	19	41	\$ 86,910	\$ 41,600	\$ 128,510	\$ 1,610	\$ 3,140	\$ 289,430	\$ 4,623
683	ARBOUR ST	PVC	DistMain	T310	150	16.4	2007	80	8	72	\$ 6,700	\$ 2,480	\$ 9,180	\$ 120	\$ 130	\$ 38,199	\$ 242
685	RENAUD ST	PVC	DistMain	T304	150	68.0	2005	80	10	70	\$ 27,700	\$ 7,420	\$ 35,120	\$ 440	\$ 510	\$ 140,464	\$ 937
686	RENAUD ST	PVC	DistMain	T300	150	173.8	1996	80	19	61	\$ 70,740	\$ 39,130	\$ 109,870	\$ 1,380	\$ 1,810	\$ 367,697	\$ 3,134
687	OAKPARK DR	PVC	DistMain	T139	150	158.9	1989	80	26	54	\$ 64,670	\$ 39,130	\$ 103,800	\$ 1,300	\$ 1,930	\$ 302,417	\$ 3,161
688	OAKPARK DR	PVC	DistMain	T138	150	96.4	1989	80	26	54	\$ 39,240	\$ 14,730	\$ 53,970	\$ 680	\$ 1,000	\$ 157,240	\$ 1,644
689	OAKPARK DR	PVC	DistMain	T136	150	245.4	1989	80	26	54	\$ 99,880	\$ 48,910	\$ 148,790	\$ 1,860	\$ 2,760	\$ 433,494	\$ 4,531
690	POISSON ST	PVC	DistMain	T292	150	254.2	2000	80	15	65	\$ 103,490	\$ 80,630	\$ 184,120	\$ 2,310	\$ 2,840	\$ 666,979	\$ 5,087
691	SOUTHFIELD DR	PVC	DistMain	T277	150	15.3	1992	80	23	57	\$ 6,290	\$ -	\$ 6,290	\$ 80	\$ 120	\$ 19,447	\$ 186
692	SOUTHFIELD DR	PVC	DistMain	T277	150	1.1	1992	80	23	57	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 1,608	\$ 15
693	SOUTHFIELD DR	PVC	DistMain	T275	150	15.5	1992	80	23	57	\$ 6,390	\$ -	\$ 6,390	\$ 80	\$ 120	\$ 19,757	\$ 189
694	CHAMP CRES	PVC	DistMain	T276	150	131.9	2002	80	13	67	\$ 53,750	\$ 61,170	\$ 114,920	\$ 1,440	\$ 1,720	\$ 433,119	\$ 3,128
696	GAUTHIER DR	PVC	DistMain	T122	150	281.2	1980	80	35	45	\$ 114,400	\$ 78,260	\$ 192,660	\$ 2,410	\$ 4,290	\$ 469,677	\$ 6,533
697	EVERGREEN DR	CI	DistMain	T120	150	72.6	1966	60	49	11	\$ 29,560	\$ 12,260	\$ 41,820	\$ 530	\$ 3,810	\$ 51,998	\$ 4,273
698	EVERGREEN DR	CI	DistMain	T120	150	184.0	1966	60	49	11	\$ 74,860	\$ 9,790	\$ 84,650	\$ 1,060	\$ 7,700	\$ 105,252	\$ 8,649
699	EVERGREEN DR	PVC	DistMain	T120	150	1.2	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
701	VALENTE CRT	PVC	DistMain	T113	150	58.9	1980	80	35	45	\$ 24,000	\$ 2,480	\$ 26,480	\$ 340	\$ 590	\$ 64,554	\$ 898
702	LESPEANCE RD	PVC	Trunk	T121	300	0.8	2005	80	10	70	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,680	\$ 11
703	LESPEANCE RD	PVC	Trunk	T121	300	0.5	2005	80	10	70	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,240	\$ 8
705	VALENTE CRT	DI	DistMain	T117	150	2.6	1979	60	36	24	\$ 1,140	\$ 2,480	\$ 3,620	\$ 50	\$ 160	\$ 5,823	\$ 191
706	VALENTE CRT	PVC	DistMain	T117	150	49.1	1979	80	36	44	\$ 20,080	\$ -	\$ 20,080	\$ 260	\$ 460	\$ 47,992	\$ 691
707	VALENTE CRT	PVC	DistMain	T117	150	41.9	1979	80	36	44	\$ 17,100	\$ 4,950	\$ 22,050	\$ 280	\$ 510	\$ 52,701	\$ 758
708	VALENTE CRT	PVC	DistMain	T117	150	16.3	1979	80	36	44	\$ 6,700	\$ 2,480	\$ 9,180	\$ 120	\$ 210	\$ 21,941	\$ 316
709	VALENTE CRT	PVC	DistMain	T115	150	91.4	1979	80	36	44	\$ 37,180	\$ 14,730	\$ 51,910	\$ 650	\$ 1,180	\$ 124,068	\$ 1,785
710	ST THOMAS ST	CI	DistMain	T158	150	213.5	1970	60	45	15	\$ 86,910	\$ 19,570	\$ 106,480	\$ 1,340	\$ 7,100	\$ 143,308	\$ 8,287
711	ST THOMAS ST	CI	DistMain	T159	150	142.7	1970	60	45	15	\$ 58,080	\$ 2,480	\$ 60,560	\$ 760	\$ 4,040	\$ 81,506	\$ 4,713
712	ST THOMAS ST	PVC	DistMain	T163	150	112.2	1989	80	26	54	\$ 45,720	\$ -	\$ 45,720	\$ 580	\$ 850	\$ 133,203	\$ 1,392
713	MCDONNELL ST	PVC	Trunk	T200	300	166.7	2005	80	10	70	\$ 90,000	\$ 24,510	\$ 114,510	\$ 1,440	\$ 1,640	\$ 457,989	\$ 3,054
714	ST DENIS ST	CI	DistMain	T217	150	135.6	1960	60	55	5	\$ 55,190	\$ 9,790	\$ 64,980	\$ 820	\$ 13,000	\$ 71,743	\$ 13,786
715	ST DENIS ST	CI	DistMain	T213	150	90.5	1960	60	55	5	\$ 36,870	\$ 4,950	\$ 41,820	\$ 530	\$ 8,370	\$ 46,173	\$ 8,872
716	ST DENIS ST	CI	DistMain	T215	150	140.0	1960	60	55	5	\$ 56,950	\$ 2,480	\$ 59,430	\$ 750	\$ 11,890	\$ 65,616	\$ 12,609
717	TECUMSEH RD	PVC	DistMain	T251	250	2.8	1992	80	23	57	\$ 1,450	\$ -	\$ 1,450	\$ 20	\$ 30	\$ 4,483	\$ 43

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Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
720	DILLON DR	CI	DistMain	T025	150	132.5	1976	60	39	21	\$ 53,960	\$ 7,420	\$ 61,380	\$ 770	\$ 2,930	\$ 93,032	\$ 3,608
721	DILLON DR	CI	DistMain	T026	150	95.9	1976	60	39	21	\$ 39,030	\$ 4,950	\$ 43,980	\$ 550	\$ 2,100	\$ 66,659	\$ 2,585
722	DILLON DR	CI	DistMain	T028	150	153.7	1976	60	39	21	\$ 62,610	\$ 4,950	\$ 67,560	\$ 850	\$ 3,220	\$ 102,398	\$ 3,971
723	CORONADO DR	CI	DistMain	T029	150	94.6	1955	60	60	0	\$ 38,510	\$ 2,480	\$ 40,990	\$ 520	\$ 520	\$ 199,844	\$ 1,031
724	DILLON DR	CI	DistMain	T030	150	98.1	1955	60	60	0	\$ 39,960	\$ 7,420	\$ 47,380	\$ 600	\$ 600	\$ 230,998	\$ 1,192
725	DILLON DR	CI	DistMain	T031	150	249.5	1955	60	60	0	\$ 101,530	\$ 19,570	\$ 121,100	\$ 1,520	\$ 1,520	\$ 590,416	\$ 3,047
726	CORONADO DR	CI	DistMain	T068	150	232.9	1955	60	60	0	\$ 94,730	\$ 14,730	\$ 109,460	\$ 1,370	\$ 1,370	\$ 533,666	\$ 2,754
727	CORONADO DR	CI	DistMain	T073	150	127.8	1955	60	60	0	\$ 52,000	\$ 12,260	\$ 64,260	\$ 810	\$ 810	\$ 313,296	\$ 1,617
728	CORONADO DR	CI	DistMain	T078	150	77.3	1955	60	60	0	\$ 31,510	\$ 9,790	\$ 41,300	\$ 520	\$ 520	\$ 201,356	\$ 1,039
729	BURDICK CRES	CI	DistMain	T070	150	110.3	1955	60	60	0	\$ 44,900	\$ 4,950	\$ 49,850	\$ 630	\$ 630	\$ 243,041	\$ 1,254
730	BURDICK CRES	CI	DistMain	T075	150	192.6	1955	60	60	0	\$ 78,360	\$ 22,040	\$ 100,400	\$ 1,260	\$ 1,260	\$ 489,494	\$ 2,526
731	BARRY AVE	CI	DistMain	T033	150	103.6	1955	60	60	0	\$ 42,220	\$ 2,480	\$ 44,700	\$ 560	\$ 560	\$ 217,932	\$ 1,125
732	BARRY AVE	CI	DistMain	T077	150	286.6	1955	60	60	0	\$ 116,560	\$ -	\$ 116,560	\$ 1,460	\$ 1,460	\$ 568,281	\$ 2,933
733	KEITH AVE	CI	DistMain	T071	150	105.1	1955	60	60	0	\$ 42,840	\$ -	\$ 42,840	\$ 540	\$ 540	\$ 208,864	\$ 1,078
734	BARRY AVE	CI	DistMain	T082	150	78.1	1955	60	60	0	\$ 31,820	\$ -	\$ 31,820	\$ 400	\$ 400	\$ 155,136	\$ 801
735	HORWOOD CRES	PVC	DistMain	T221	150	253.9	1994	80	21	59	\$ 103,280	\$ 9,790	\$ 113,070	\$ 1,420	\$ 1,920	\$ 363,712	\$ 3,282
736	PRIMROSE PL	PVC	DistMain	T240	150	1.4	1981	80	34	46	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,542	\$ 21
737	JUNIPER CRT	PVC	DistMain	T242	150	1.0	1981	80	34	46	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,044	\$ 14
738	ST GREGORYS RD	PVC	Trunk	T243	300	79.4	1981	80	34	46	\$ 42,940	\$ 14,730	\$ 57,670	\$ 730	\$ 1,260	\$ 143,403	\$ 1,929
739	ST GREGORYS RD	PVC	Trunk	T239	300	91.7	1981	80	34	46	\$ 49,530	\$ 9,790	\$ 59,320	\$ 750	\$ 1,290	\$ 147,506	\$ 1,984
740	ST GREGORYS RD	PVC	Trunk	T241	300	101.5	1981	80	34	46	\$ 54,780	\$ 24,510	\$ 79,290	\$ 1,000	\$ 1,730	\$ 197,163	\$ 2,653
741	DILLON DR	PVC	DistMain	T034	150	87.7	1987	80	28	52	\$ 35,730	\$ 17,200	\$ 52,930	\$ 670	\$ 1,020	\$ 148,221	\$ 1,647
742	MICHAEL DR	PVC	DistMain	T087	150	95.8	1980	80	35	45	\$ 39,030	\$ 14,730	\$ 53,760	\$ 680	\$ 1,200	\$ 131,059	\$ 1,823
743	MICHAEL DR	PVC	DistMain	T089	150	104.2	1980	80	35	45	\$ 42,430	\$ 17,200	\$ 59,630	\$ 750	\$ 1,330	\$ 145,369	\$ 2,022
744	MICHAEL DR	PVC	DistMain	T084	150	87.2	1980	80	35	45	\$ 35,530	\$ 2,480	\$ 38,010	\$ 480	\$ 850	\$ 92,663	\$ 1,289
745	DILLON DR	PVC	DistMain	T034	150	96.9	1980	80	35	45	\$ 39,440	\$ 17,200	\$ 56,640	\$ 710	\$ 1,260	\$ 138,080	\$ 1,921
746	JAMES CRES	PVC	DistMain	T086	150	92.7	1997	80	18	62	\$ 37,790	\$ 29,350	\$ 67,140	\$ 840	\$ 1,090	\$ 229,188	\$ 1,899
747	JAMES CRES	PVC	DistMain	T086	150	19.3	1997	80	18	62	\$ 7,930	\$ 9,790	\$ 17,720	\$ 230	\$ 290	\$ 60,489	\$ 501
748	JAMES CRES	PVC	DistMain	T085	150	80.7	1997	80	18	62	\$ 32,850	\$ 7,420	\$ 40,270	\$ 510	\$ 650	\$ 137,465	\$ 1,139
749	JAMES CRES	PVC	DistMain	T085	150	76.1	1980	80	35	45	\$ 31,000	\$ 17,200	\$ 48,200	\$ 610	\$ 1,080	\$ 117,505	\$ 1,634
750	DILLON DR	PVC	DistMain	T035	150	76.9	1980	80	35	45	\$ 31,310	\$ 19,570	\$ 50,880	\$ 640	\$ 1,140	\$ 124,038	\$ 1,725
751	DILLON DR	PVC	DistMain	T035	150	163.2	1992	80	23	57	\$ 66,420	\$ 36,660	\$ 103,080	\$ 1,290	\$ 1,810	\$ 318,702	\$ 3,047
752	SIMARD CRES	PVC	DistMain	T088	150	78.4	1980	80	35	45	\$ 31,920	\$ 19,570	\$ 51,490	\$ 650	\$ 1,150	\$ 125,525	\$ 1,746
753	SIMARD CRES	PVC	DistMain	T088	150	28.3	1997	80	18	62	\$ 11,540	\$ 12,260	\$ 23,800	\$ 300	\$ 390	\$ 81,243	\$ 673
754	WOODRIDGE DR	DI	DistMain	T093	150	25.5	1975	60	40	20	\$ 10,400	\$ -	\$ 10,400	\$ 130	\$ 520	\$ 15,454	\$ 636
755	DILLON DR	PVC	DistMain	T035	150	127.0	1975	80	40	40	\$ 51,690	\$ 9,790	\$ 61,480	\$ 770	\$ 1,540	\$ 135,750	\$ 2,247
756	DILLON DR	PVC	DistMain	T036	150	81.0	1975	80	40	40	\$ 32,950	\$ -	\$ 32,950	\$ 420	\$ 830	\$ 72,755	\$ 1,205
757	DILLON DR	PVC	Trunk	T047	300	1.0	1979	80	36	44	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,482	\$ 21
758	LITTLE RIVER BLVD	PVC	Trunk	T098	300	0.9	1979	80	36	44	\$ 520	\$ -	\$ 520	\$ 10	\$ 20	\$ 1,243	\$ 18
759	DILLON DR	PVC	Trunk	T174	300	0.7	1979	80	36	44	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,004	\$ 14
760	DILLON DR	PVC	DistMain	T047	150	133.3	1979	80	36	44	\$ 54,270	\$ 34,290	\$ 88,560	\$ 1,110	\$ 2,020	\$ 211,663	\$ 3,045
761	SHANNON PL	PVC	DistMain	T040	150	112.9	1979	80	36	44	\$ 46,030	\$ 39,130	\$ 85,160	\$ 1,070	\$ 1,940	\$ 203,537	\$ 2,928
762	AMANDA CRT	PVC	DistMain	T041	150	173.2	1986	80	29	51	\$ 70,430	\$ 39,130	\$ 109,560	\$ 1,370	\$ 2,150	\$ 300,788	\$ 3,447
763	WEDGEWOOD LANE	PVC	DistMain	T042	150	191.1	1979	80	36	44	\$ 77,740	\$ 53,750	\$ 131,490	\$ 1,650	\$ 2,990	\$ 314,268	\$ 4,522
764	CENTENNIAL DR	DI	DistMain	T170	150	0.5	1975	60	40	20	\$ 210	\$ -	\$ 210	\$ 10	\$ 20	\$ 312	\$ 13
765	CENTENNIAL DR	DI	DistMain	T170	150	324.6	1973	60	42	18	\$ 132,010	\$ 70,950	\$ 202,960	\$ 2,540	\$ 11,280	\$ 289,877	\$ 13,538
766	CENTENNIAL DR	DI	DistMain	T037	150	37.6	1973	60	42	18	\$ 15,350	\$ 2,480	\$ 17,830	\$ 230	\$ 1,000	\$ 25,466	\$ 1,189
767	CENTENNIAL DR	DI	DistMain	T096	150	258.0	1973	60	42	18	\$ 105,030	\$ 48,910	\$ 153,940	\$ 1,930	\$ 8,560	\$ 219,864	\$ 10,268
768	CENTENNIAL DR	DI	DistMain	T037	150	241.0	1973	60	42	18	\$ 98,030	\$ 48,910	\$ 146,940	\$ 1,840	\$ 8,170	\$ 209,867	\$ 9,801
769	WOODRIDGE DR	DI	DistMain	T093	150	266.5	1975	60	40	20	\$ 108,430	\$ 41,600	\$ 150,030	\$ 1,880	\$ 7,510	\$ 222,937	\$ 9,175
770	MICHAEL DR	PVC	DistMain	T164	150	582.7	1989	80	26	54	\$ 237,030	\$ 158,880	\$ 395,910	\$ 4,950	\$ 7,340	\$ 1,153,469	\$ 12,056

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
771	ST GREGORYS RD	DI	Trunk	T225	400	83.0	1981	60	34	26	\$ 69,200	\$ 2,480	\$ 71,680	\$ 900	\$ 2,760	\$ 119,951	\$ 3,562
772	ST GREGORYS RD	PVC	Trunk	T225	400	79.4	1998	80	17	63	\$ 66,210	\$ 46,440	\$ 112,650	\$ 1,410	\$ 1,790	\$ 392,231	\$ 3,161
773	MICHAEL DR	PVC	Trunk	T224	400	0.8	1998	80	17	63	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 2,542	\$ 20
774	MICHAEL DR	PVC	DistMain	T224	200	460.3	1998	80	17	63	\$ 222,310	\$ 219,940	\$ 442,250	\$ 5,530	\$ 7,020	\$ 1,539,851	\$ 12,409
775	MICHAEL DR	PVC	DistMain	T224	150	1.2	1998	80	17	63	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 1,811	\$ 15
776	ST GREGORYS RD	DI	Trunk	T225	400	43.6	1981	60	34	26	\$ 36,350	\$ 4,950	\$ 41,300	\$ 520	\$ 1,590	\$ 69,112	\$ 2,053
777	ST GREGORYS RD	PVC	Trunk	T223	400	43.1	1998	80	17	63	\$ 35,940	\$ 7,420	\$ 43,360	\$ 550	\$ 690	\$ 150,973	\$ 1,217
778	REVLAND DR	PVC	DistMain	T166	200	498.2	1992	80	23	57	\$ 240,640	\$ 122,230	\$ 362,870	\$ 4,540	\$ 6,370	\$ 1,121,917	\$ 10,727
779	ST GREGORYS RD	PVC	DistMain	T232	200	5.2	1999	80	16	64	\$ 2,580	\$ -	\$ 2,580	\$ 40	\$ 50	\$ 9,163	\$ 72
780	REVLAND DR	PVC	DistMain	T226	200	35.9	1999	80	16	64	\$ 17,410	\$ 7,420	\$ 24,830	\$ 320	\$ 390	\$ 88,184	\$ 691
781	REVLAND DR	PVC	DistMain	T227	200	101.5	1999	80	16	64	\$ 49,120	\$ 24,510	\$ 73,630	\$ 930	\$ 1,160	\$ 261,496	\$ 2,050
782	PARKLAND CRES	PVC	DistMain	T229	150	40.5	1999	80	16	64	\$ 16,480	\$ -	\$ 16,480	\$ 210	\$ 260	\$ 58,529	\$ 459
783	WOODRIDGE DR	DI	DistMain	T168	150	379.2	1975	60	40	20	\$ 154,250	\$ 80,630	\$ 234,880	\$ 2,940	\$ 11,750	\$ 349,019	\$ 14,364
784	ST THOMAS ST	PVC	DistMain	T169	200	17.2	1994	80	21	59	\$ 8,350	\$ -	\$ 8,350	\$ 110	\$ 150	\$ 26,859	\$ 242
785	ST THOMAS ST	CI	DistMain	T182	150	89.3	1974	60	41	19	\$ 36,350	\$ 9,790	\$ 46,140	\$ 580	\$ 2,430	\$ 67,217	\$ 2,943
786	MANNING RD	CI	DistMain	T_SC001	150	225.5	1955	60	60	0	\$ 91,750	\$ 2,480	\$ 94,230	\$ 1,180	\$ 1,180	\$ 459,413	\$ 2,371
787	MANNING RD	CI	DistMain	T_SC001	150	239.7	1975	60	40	20	\$ 97,510	\$ -	\$ 97,510	\$ 1,220	\$ 4,880	\$ 144,895	\$ 5,963
788	MANNING RD	CI	DistMain	T_SC002	150	68.2	1975	60	40	20	\$ 27,810	\$ -	\$ 27,810	\$ 350	\$ 1,400	\$ 41,324	\$ 1,701
789	MANNING RD	CI	DistMain	T_SC002	150	207.8	1974	60	41	19	\$ 84,540	\$ 7,420	\$ 91,960	\$ 1,150	\$ 4,840	\$ 133,968	\$ 5,865
790	GREEN VALLEY DR	PVC	DistMain	T238	250	58.6	1979	80	36	44	\$ 29,870	\$ 4,950	\$ 34,820	\$ 440	\$ 800	\$ 83,222	\$ 1,197
791	GREEN VALLEY DR	PVC	DistMain	T236	250	26.7	1979	80	36	44	\$ 13,600	\$ 2,480	\$ 16,080	\$ 210	\$ 370	\$ 38,432	\$ 553
792	GREEN VALLEY DR	PVC	DistMain	T236	250	37.3	1980	80	35	45	\$ 19,050	\$ 2,480	\$ 21,530	\$ 270	\$ 480	\$ 52,487	\$ 730
793	GREEN VALLEY DR	PVC	DistMain	T234	250	212.3	1980	80	35	45	\$ 107,810	\$ 48,910	\$ 156,720	\$ 1,960	\$ 3,490	\$ 382,061	\$ 5,314
794	ST GREGORYS RD	DI	Trunk	T232	400	1.6	1980	60	35	25	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 60	\$ 2,198	\$ 69
795	ST GREGORYS RD	PVC	Trunk	T232	400	1.2	1980	80	35	45	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 30	\$ 2,511	\$ 35
796	ST GREGORYS RD	PVC	Trunk	T232	300	0.7	1980	80	35	45	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,024	\$ 14
797	BRUNELLE CRES	PVC	DistMain	T235	150	1.8	1980	80	35	45	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 1,780	\$ 25
798	GREEN VALLEY DR	PVC	DistMain	T233	250	3.8	1986	80	29	51	\$ 1,960	\$ -	\$ 1,960	\$ 30	\$ 40	\$ 5,381	\$ 62
799	GREEN VALLEY DR	PVC	DistMain	T233	250	128.4	1980	80	35	45	\$ 65,290	\$ 29,350	\$ 94,640	\$ 1,190	\$ 2,110	\$ 230,719	\$ 3,209
800	GREEN VALLEY DR	PVC	DistMain	T233	250	11.0	1980	80	35	45	\$ 5,670	\$ -	\$ 5,670	\$ 80	\$ 130	\$ 13,823	\$ 192
801	GREEN VALLEY DR	PVC	DistMain	T259	250	81.0	1980	80	35	45	\$ 41,190	\$ 7,420	\$ 48,610	\$ 610	\$ 1,090	\$ 118,504	\$ 1,648
802	MEADOWLAND CRES	PVC	DistMain	T257	150	1.7	1980	80	35	45	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 1,780	\$ 25
803	GREEN VALLEY DR	PVC	DistMain	T258	250	68.4	1980	80	35	45	\$ 34,810	\$ 12,260	\$ 47,070	\$ 590	\$ 1,050	\$ 114,750	\$ 1,596
804	MEADOWLAND CRES	PVC	DistMain	T257	150	0.5	1980	80	35	45	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 756	\$ 11
805	HARVEST LANE	PVC	DistMain	T255	150	2.4	1980	80	35	45	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 30	\$ 2,511	\$ 35
806	GREEN VALLEY DR	PVC	DistMain	T254	250	141.2	1980	80	35	45	\$ 71,670	\$ 26,880	\$ 98,550	\$ 1,240	\$ 2,190	\$ 240,251	\$ 3,342
807	GREEN VALLEY DR	PVC	DistMain	T256	250	162.3	1980	80	35	45	\$ 82,480	\$ 39,130	\$ 121,610	\$ 1,530	\$ 2,710	\$ 296,467	\$ 4,124
808	BRUNELLE CRES	PVC	DistMain	T235	150	219.3	1987	80	28	52	\$ 89,280	\$ 46,440	\$ 135,720	\$ 1,700	\$ 2,610	\$ 380,061	\$ 4,222
809	BRUNELLE CRES	PVC	DistMain	T235	150	1.4	1980	80	35	45	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,511	\$ 21
810	BRUNELLE CRES	PVC	DistMain	T235	150	241.2	1987	80	28	52	\$ 98,130	\$ 61,170	\$ 159,300	\$ 2,000	\$ 3,070	\$ 446,092	\$ 4,956
811	DILLON DR	PVC	DistMain	T038	150	146.5	1979	80	36	44	\$ 59,620	\$ 12,260	\$ 71,880	\$ 900	\$ 1,640	\$ 171,797	\$ 2,472
812	JASPER PL	PVC	DistMain	T046	150	76.3	1979	80	36	44	\$ 31,100	\$ 9,790	\$ 40,890	\$ 520	\$ 930	\$ 97,729	\$ 1,406
813	DILLON DR	PVC	DistMain	T043	150	120.0	1979	80	36	44	\$ 48,910	\$ 12,260	\$ 61,170	\$ 770	\$ 1,400	\$ 146,200	\$ 2,104
814	BARRY AVE	CI	DistMain	T082	150	12.1	1980	60	35	25	\$ 4,950	\$ 2,480	\$ 7,430	\$ 100	\$ 300	\$ 12,190	\$ 381
815	MICHAEL DR	PVC	Trunk	T089	300	85.7	1980	80	35	45	\$ 46,340	\$ 12,260	\$ 58,600	\$ 740	\$ 1,310	\$ 142,858	\$ 1,987
816	LITTLE RIVER BLVD	PVC	Trunk	T090	300	43.3	1980	80	35	45	\$ 23,380	\$ 2,480	\$ 25,860	\$ 330	\$ 580	\$ 63,043	\$ 877
817	LITTLE RIVER BLVD	PVC	Trunk	T090	300	37.6	1980	80	35	45	\$ 20,390	\$ 7,420	\$ 27,810	\$ 350	\$ 620	\$ 67,797	\$ 943
818	LITTLE RIVER BLVD	PVC	Trunk	T091	300	120.0	1980	80	35	45	\$ 64,770	\$ 17,200	\$ 81,970	\$ 1,030	\$ 1,830	\$ 199,831	\$ 2,780
819	CENTENNIAL DR	DI	Trunk	T096	300	0.4	1975	60	40	20	\$ 310	\$ -	\$ 310	\$ 10	\$ 20	\$ 461	\$ 19
820	CENTENNIAL DR	DI	Trunk	T096	300	0.5	1975	60	40	20	\$ 310	\$ -	\$ 310	\$ 10	\$ 20	\$ 461	\$ 19
821	LITTLE RIVER BLVD	PVC	Trunk	T092	300	63.5	1975	80	40	40	\$ 34,290	\$ 9,790	\$ 44,080	\$ 560	\$ 1,110	\$ 97,330	\$ 1,611

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
822	LITTLE RIVER BLVD	PVC	Trunk	T092	300	50.4	1975	80	40	40	\$ 27,290	\$ 2,480	\$ 29,770	\$ 380	\$ 750	\$ 65,733	\$ 1,088
823	LITTLE RIVER BLVD	PVC	Trunk	T094	300	68.7	1975	80	40	40	\$ 37,180	\$ 7,420	\$ 44,600	\$ 560	\$ 1,120	\$ 98,479	\$ 1,630
824	LITTLE RIVER BLVD	PVC	Trunk	T095	300	53.7	1975	80	40	40	\$ 29,040	\$ -	\$ 29,040	\$ 370	\$ 730	\$ 64,121	\$ 1,062
825	LITTLE RIVER BLVD	PVC	Trunk	T097	300	179.9	1979	80	36	44	\$ 97,100	\$ 12,260	\$ 109,360	\$ 1,370	\$ 2,490	\$ 261,376	\$ 3,761
826	LITTLE RIVER BLVD	PVC	DistMain	T098	200	135.1	1979	80	36	44	\$ 65,290	\$ 17,200	\$ 82,490	\$ 1,040	\$ 1,880	\$ 197,155	\$ 2,837
827	LITTLE RIVER BLVD	PVC	DistMain	T100	200	137.2	1979	80	36	44	\$ 66,320	\$ 9,790	\$ 76,110	\$ 960	\$ 1,730	\$ 181,907	\$ 2,617
828	GRACE RD	PVC	DistMain	T101	150	230.9	1992	80	23	57	\$ 94,010	\$ 53,750	\$ 147,760	\$ 1,850	\$ 2,600	\$ 456,843	\$ 4,368
829	GRACE RD	PVC	DistMain	T101	150	291.0	1990	80	25	55	\$ 118,420	\$ 61,170	\$ 179,590	\$ 2,250	\$ 3,270	\$ 533,693	\$ 5,413
830	GRACE RD	PVC	DistMain	T181	150	274.5	1995	80	20	60	\$ 111,720	\$ 66,010	\$ 177,730	\$ 2,230	\$ 2,970	\$ 583,138	\$ 5,113
831	GRACE RD	CI	DistMain	T181	150	4.4	1995	60	20	40	\$ 1,860	\$ -	\$ 1,860	\$ 30	\$ 50	\$ 4,107	\$ 68
832	DONALDA CRT	PVC	DistMain	T099	150	130.8	1979	80	36	44	\$ 53,240	\$ 39,130	\$ 92,370	\$ 1,160	\$ 2,100	\$ 220,769	\$ 3,176
833	JASPER PL	PVC	DistMain	T046	150	101.9	1979	80	36	44	\$ 41,500	\$ 26,880	\$ 68,380	\$ 860	\$ 1,560	\$ 163,432	\$ 2,351
834	SALICH CRT	PVC	DistMain	T044	150	108.0	1979	80	36	44	\$ 43,970	\$ 26,880	\$ 70,850	\$ 890	\$ 1,620	\$ 169,335	\$ 2,436
836	PARKLAND CRES	PVC	DistMain	T229	150	47.5	1994	80	21	59	\$ 19,360	\$ 7,420	\$ 26,780	\$ 340	\$ 460	\$ 86,143	\$ 777
837	PARKLAND CRES	PVC	DistMain	T231	150	151.5	1994	80	21	59	\$ 61,680	\$ 39,130	\$ 100,810	\$ 1,270	\$ 1,710	\$ 324,275	\$ 2,926
838	WOODRIDGE DR	PVC	DistMain	T230	150	423.3	1994	80	21	59	\$ 172,160	\$ 112,440	\$ 284,600	\$ 3,560	\$ 4,830	\$ 915,472	\$ 8,260
839	DILLON DR	PVC	DistMain	T174	250	189.1	1979	80	36	44	\$ 96,070	\$ 29,350	\$ 125,420	\$ 1,570	\$ 2,860	\$ 299,760	\$ 4,313
840	DILLON DR	PVC	DistMain	T172	250	46.5	1979	80	36	44	\$ 23,690	\$ 4,950	\$ 28,640	\$ 360	\$ 660	\$ 68,451	\$ 985
841	VERONICA CRT	PVC	DistMain	T173	150	112.6	1979	80	36	44	\$ 45,830	\$ 34,290	\$ 80,120	\$ 1,010	\$ 1,830	\$ 191,491	\$ 2,755
842	AMBERLY CRES	PVC	DistMain	T237	150	592.5	1979	80	36	44	\$ 241,050	\$ 146,630	\$ 387,680	\$ 4,850	\$ 8,820	\$ 926,576	\$ 13,332
843	PAISLEY CIR	PVC	DistMain	T178	150	65.8	1979	80	36	44	\$ 26,780	\$ 24,510	\$ 51,290	\$ 650	\$ 1,170	\$ 122,586	\$ 1,764
844	RIDEAU PL	PVC	DistMain	T176	150	79.4	1979	80	36	44	\$ 32,340	\$ 19,570	\$ 51,910	\$ 650	\$ 1,180	\$ 124,068	\$ 1,785
845	ST THOMAS ST	PVC	DistMain	T180	250	1.0	1979	80	36	44	\$ 520	\$ -	\$ 520	\$ 10	\$ 20	\$ 1,243	\$ 18
846	ST THOMAS ST	PVC	DistMain	T180	150	82.6	1979	80	36	44	\$ 33,680	\$ 7,420	\$ 41,100	\$ 520	\$ 940	\$ 98,231	\$ 1,413
847	ST THOMAS ST	PVC	DistMain	T179	250	81.7	1979	80	36	44	\$ 41,500	\$ 9,790	\$ 51,290	\$ 650	\$ 1,170	\$ 122,586	\$ 1,764
848	ST THOMAS ST	PVC	DistMain	T175	250	105.6	1979	80	36	44	\$ 53,650	\$ 19,570	\$ 73,220	\$ 920	\$ 1,670	\$ 175,000	\$ 2,518
849	ST THOMAS ST	PVC	DistMain	T177	250	90.2	1979	80	36	44	\$ 45,830	\$ 7,420	\$ 53,250	\$ 670	\$ 1,220	\$ 127,270	\$ 1,831
850	ST THOMAS ST	PVC	DistMain	T171	150	89.7	1979	80	36	44	\$ 36,560	\$ 4,950	\$ 41,510	\$ 520	\$ 950	\$ 99,211	\$ 1,427
851	ST THOMAS ST	DI	DistMain	T169	150	88.8	1979	60	36	24	\$ 36,150	\$ -	\$ 36,150	\$ 460	\$ 1,510	\$ 58,145	\$ 1,911
852	ST THOMAS ST	PVC	DistMain	T165	150	32.1	1989	80	26	54	\$ 13,080	\$ -	\$ 13,080	\$ 170	\$ 250	\$ 38,108	\$ 398
853	REVLAND DR	PVC	DistMain	T228	200	413.8	1999	80	16	64	\$ 199,860	\$ 129,540	\$ 329,400	\$ 4,120	\$ 5,150	\$ 1,169,862	\$ 9,170
854	REVLAND DR	PVC	DistMain	T228	200	1.9	1993	80	22	58	\$ 930	\$ -	\$ 930	\$ 20	\$ 20	\$ 2,933	\$ 27
855	ST THOMAS ST	PVC	DistMain	T167	200	99.6	1993	80	22	58	\$ 48,190	\$ -	\$ 48,190	\$ 610	\$ 840	\$ 151,973	\$ 1,411
856	ST THOMAS ST	PVC	DistMain	T165	150	80.9	1993	80	22	58	\$ 32,950	\$ 2,480	\$ 35,430	\$ 450	\$ 620	\$ 111,733	\$ 1,038
857	ST THOMAS ST	PVC	DistMain	T165	200	0.3	1993	80	22	58	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 662	\$ 6
858	MANNING RD	DI	DistMain	T_SC001	150	24.4	1978	60	37	23	\$ 9,990	\$ 2,480	\$ 12,470	\$ 160	\$ 550	\$ 19,664	\$ 682
859	PRIMROSE PL	PVC	DistMain	T240	150	140.8	1986	80	29	51	\$ 57,250	\$ 41,600	\$ 98,850	\$ 1,240	\$ 1,940	\$ 271,385	\$ 3,110
860	JUNIPER CRT	PVC	DistMain	T242	150	123.8	1986	80	29	51	\$ 50,460	\$ 36,660	\$ 87,120	\$ 1,090	\$ 1,710	\$ 239,181	\$ 2,741
861	MEADOWLAND CRES	PVC	DistMain	T257	150	265.9	1988	80	27	53	\$ 108,220	\$ 70,950	\$ 179,170	\$ 2,240	\$ 3,390	\$ 511,769	\$ 5,514
862	MEADOWLAND CRES	PVC	DistMain	T257	150	218.0	1989	80	26	54	\$ 88,760	\$ 58,700	\$ 147,460	\$ 1,850	\$ 2,740	\$ 429,619	\$ 4,490
863	HARVEST LANE	PVC	DistMain	T255	150	203.3	1989	80	26	54	\$ 82,690	\$ 56,220	\$ 138,910	\$ 1,740	\$ 2,580	\$ 404,709	\$ 4,230
864	TECUMSEH RD	PVC	Trunk	T253	400	145.7	2005	80	10	70	\$ 121,400	\$ 9,790	\$ 131,190	\$ 1,640	\$ 1,880	\$ 524,702	\$ 3,499
865	MANNING RD	PVC	DistMain	T_SC006	200	42.1	1989	80	26	54	\$ 20,390	\$ -	\$ 20,390	\$ 260	\$ 380	\$ 59,405	\$ 621
866	MANNING RD	PVC	Trunk	T_SC006	400	118.8	2005	80	10	70	\$ 99,060	\$ 2,480	\$ 101,540	\$ 1,270	\$ 1,460	\$ 406,115	\$ 2,708
867	MANNING RD	PVC	DistMain	T_SC006	200	134.4	1989	80	26	54	\$ 64,980	\$ -	\$ 64,980	\$ 820	\$ 1,210	\$ 189,317	\$ 1,979
868	MANNING RD	PVC	DistMain	T_SC007	200	96.7	1989	80	26	54	\$ 46,750	\$ -	\$ 46,750	\$ 590	\$ 870	\$ 136,204	\$ 1,424
869	MANNING RD	PVC	DistMain	T_SC008	200	413.9	1989	80	26	54	\$ 199,970	\$ -	\$ 199,970	\$ 2,500	\$ 3,710	\$ 582,605	\$ 6,090
870	MANNING RD	PVC	DistMain	T_SC008	200	67.0	1989	80	26	54	\$ 32,440	\$ -	\$ 32,440	\$ 410	\$ 610	\$ 94,513	\$ 988
871	TECUMSEH RD	PVC	Trunk	T260	400	191.0	2005	80	10	70	\$ 159,190	\$ 26,880	\$ 186,070	\$ 2,330	\$ 2,660	\$ 744,198	\$ 4,962
872	LANOUE ST	PVC	DistMain	T318	200	109.8	1993	80	22	58	\$ 53,030	\$ 12,260	\$ 65,290	\$ 820	\$ 1,130	\$ 205,900	\$ 1,912
873	LANOUE ST	PVC	DistMain	T319	200	409.2	1993	80	22	58	\$ 197,700	\$ 114,920	\$ 312,620	\$ 3,910	\$ 5,390	\$ 985,886	\$ 9,156

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
874	LANOUE ST	PVC	DistMain	T326	200	1.7	1993	80	22	58	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 2,618	\$ 24
875	LANOUE ST	PVC	DistMain	T326	250	17.0	1993	80	22	58	\$ 8,650	\$ 2,480	\$ 11,130	\$ 140	\$ 200	\$ 35,100	\$ 326
876	LANOUE ST	PVC	DistMain	T326	250	79.3	1996	80	19	61	\$ 40,260	\$ 7,420	\$ 47,680	\$ 600	\$ 790	\$ 159,568	\$ 1,360
877	LANOUE ST	PVC	DistMain	T328	250	79.9	1996	80	19	61	\$ 40,570	\$ 19,570	\$ 60,140	\$ 760	\$ 990	\$ 201,268	\$ 1,715
878	LANOUE ST	PVC	DistMain	T328	250	24.4	1996	80	19	61	\$ 12,460	\$ -	\$ 12,460	\$ 160	\$ 210	\$ 41,699	\$ 355
879	LANOUE ST	PVC	DistMain	T329	250	109.8	1996	80	19	61	\$ 55,810	\$ -	\$ 55,810	\$ 700	\$ 920	\$ 186,777	\$ 1,592
880	LANOUE ST	PVC	DistMain	T322	250	221.5	1996	80	19	61	\$ 112,440	\$ -	\$ 112,440	\$ 1,410	\$ 1,850	\$ 376,297	\$ 3,207
881	LANOUE ST	PVC	DistMain	T332	200	1.1	1996	80	19	61	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 2,075	\$ 18
882	BARRY AVE	PVC	DistMain	T033	150	8.0	1999	80	16	64	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 60	\$ 11,720	\$ 92
883	KEITH CRT	PVC	DistMain	T072	150	113.2	1985	80	30	50	\$ 46,130	\$ 24,510	\$ 70,640	\$ 890	\$ 1,420	\$ 190,134	\$ 2,248
885	MASON PL	CI	DistMain	T076	150	102.6	1955	60	60	0	\$ 41,810	\$ 14,730	\$ 56,540	\$ 710	\$ 710	\$ 275,657	\$ 1,423
886	BRENDA CRES	PVC	DistMain	T160	150	20.7	1989	80	26	54	\$ 8,450	\$ -	\$ 8,450	\$ 110	\$ 160	\$ 24,619	\$ 257
887	BRENDA CRES	PVC	DistMain	T161	150	131.9	1991	80	24	56	\$ 53,650	\$ 22,040	\$ 75,690	\$ 950	\$ 1,360	\$ 229,429	\$ 2,259
888	BRENDA CRES	PVC	DistMain	T160	150	77.9	1991	80	24	56	\$ 31,720	\$ 7,420	\$ 39,140	\$ 490	\$ 700	\$ 118,640	\$ 1,168
889	BRENDA CRES	PVC	DistMain	T162	150	214.7	1991	80	24	56	\$ 87,320	\$ 41,600	\$ 128,920	\$ 1,620	\$ 2,310	\$ 390,778	\$ 3,848
890	BALLARD ST	CI	DistMain	T205	150	242.7	1955	60	60	0	\$ 98,750	\$ -	\$ 98,750	\$ 1,240	\$ 1,240	\$ 481,450	\$ 2,485
891	ARGENT ST	CI	DistMain	T206	150	84.7	1955	60	60	0	\$ 34,500	\$ 2,480	\$ 36,980	\$ 470	\$ 470	\$ 180,294	\$ 930
892	CLARICE AVE	DI	DistMain	T202	150	365.0	1968	60	47	13	\$ 148,480	\$ 17,200	\$ 165,680	\$ 2,080	\$ 12,750	\$ 214,325	\$ 14,599
893	HORWOOD CRES	DI	Trunk	T222	400	18.8	1981	60	34	26	\$ 15,660	\$ 4,950	\$ 20,610	\$ 260	\$ 800	\$ 34,489	\$ 1,024
894	HORWOOD CRES	DI	DistMain	T221	150	0.8	1981	60	34	26	\$ 420	\$ -	\$ 420	\$ 10	\$ 20	\$ 703	\$ 21
895	HORWOOD CRES	DI	DistMain	T221	150	1.1	1981	60	34	26	\$ 520	\$ -	\$ 520	\$ 10	\$ 20	\$ 870	\$ 26
896	ST GREGORYS RD	DI	Trunk	T232	400	310.7	1981	60	34	26	\$ 258,860	\$ 90,410	\$ 349,270	\$ 4,370	\$ 13,440	\$ 584,475	\$ 17,358
897	LACASSE BLVD	CONC	Trunk	T219	400	327.7	1969	60	46	14	\$ 273,070	\$ 36,660	\$ 309,730	\$ 3,880	\$ 22,130	\$ 408,682	\$ 25,584
898	LACASSE BLVD	CONC	Trunk	T219	400	0.7	1969	60	46	14	\$ 620	\$ -	\$ 620	\$ 10	\$ 50	\$ 818	\$ 51
899	LACASSE BLVD	CONC	Trunk	T219	400	185.3	1969	60	46	14	\$ 154,450	\$ 14,730	\$ 169,180	\$ 2,120	\$ 12,090	\$ 223,229	\$ 13,975
900	HORWOOD CRES	DI	Trunk	T220	400	78.7	1981	60	34	26	\$ 65,590	\$ -	\$ 65,590	\$ 820	\$ 2,530	\$ 109,759	\$ 3,260
901	HORWOOD CRES	DI	Trunk	T222	400	291.9	1981	60	34	26	\$ 243,210	\$ 127,070	\$ 370,280	\$ 4,630	\$ 14,250	\$ 619,633	\$ 18,403
902	HORWOOD CRES	PVC	DistMain	T221	150	436.2	1993	80	22	58	\$ 177,520	\$ 180,810	\$ 358,330	\$ 4,480	\$ 6,180	\$ 1,130,038	\$ 10,494
903	SHANNON PL	PVC	DistMain	T039	150	60.8	1979	80	36	44	\$ 24,820	\$ 9,790	\$ 34,610	\$ 440	\$ 790	\$ 82,720	\$ 1,190
904	WOODRIDGE DR	PVC	DistMain	T230	200	1.1	1994	80	21	59	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,994	\$ 18
905	CORTINA CRES	PVC	DistMain	T330	150	326.8	1996	80	19	61	\$ 133,040	\$ 78,260	\$ 211,300	\$ 2,650	\$ 3,470	\$ 707,147	\$ 6,027
906	HEATHERGLEN CRES	PVC	DistMain	T331	200	272.6	1996	80	19	61	\$ 131,700	\$ 117,280	\$ 248,980	\$ 3,120	\$ 4,090	\$ 833,249	\$ 7,102
907	HEATHERGLEN CRES	PVC	DistMain	T327	200	298.0	1996	80	19	61	\$ 143,950	\$ 83,100	\$ 227,050	\$ 2,840	\$ 3,730	\$ 759,857	\$ 6,476
908	HEATHERGLEN CRES	PVC	DistMain	T327	200	104.5	1996	80	19	61	\$ 50,560	\$ 34,290	\$ 84,850	\$ 1,070	\$ 1,400	\$ 283,963	\$ 2,420
909	HEATHERGLEN CRES	PVC	DistMain	T327	200	166.3	1996	80	19	61	\$ 80,320	\$ 39,130	\$ 119,450	\$ 1,500	\$ 1,960	\$ 399,758	\$ 3,407
910	SOUTHFIELD DR	PVC	DistMain	T277	200	353.1	1992	80	23	57	\$ 170,520	\$ 2,480	\$ 173,000	\$ 2,170	\$ 3,040	\$ 534,879	\$ 5,114
911	SOUTHFIELD DR	PVC	DistMain	T275	200	61.1	1992	80	23	57	\$ 29,560	\$ 7,420	\$ 36,980	\$ 470	\$ 650	\$ 114,334	\$ 1,093
912	MICKAILA CRES	PVC	DistMain	T274	150	199.4	1996	80	19	61	\$ 81,140	\$ 107,500	\$ 188,640	\$ 2,360	\$ 3,100	\$ 631,312	\$ 5,381
913	BORDER CRES	PVC	DistMain	T271	150	187.9	1997	80	18	62	\$ 76,510	\$ 105,130	\$ 181,640	\$ 2,280	\$ 2,930	\$ 620,043	\$ 5,138
914	SOUTHFIELD DR	PVC	DistMain	T272	200	69.0	1997	80	18	62	\$ 33,370	\$ 19,570	\$ 52,940	\$ 670	\$ 860	\$ 180,715	\$ 1,497
915	SOUTHFIELD DR	PVC	DistMain	T270	200	117.0	1998	80	17	63	\$ 56,530	\$ 66,010	\$ 122,540	\$ 1,540	\$ 1,950	\$ 426,667	\$ 3,438
916	BROUILLETTE CRT	PVC	DistMain	T278	150	70.8	1998	80	17	63	\$ 28,840	\$ 34,290	\$ 63,130	\$ 790	\$ 1,010	\$ 219,810	\$ 1,771
917	BROUILLETTE CRT	PVC	DistMain	T280	150	37.0	1998	80	17	63	\$ 15,140	\$ 9,790	\$ 24,930	\$ 320	\$ 400	\$ 86,803	\$ 699
918	FIELDCREST LANE	PVC	DistMain	T279	150	169.3	1998	80	17	63	\$ 68,890	\$ 102,660	\$ 171,550	\$ 2,150	\$ 2,730	\$ 597,312	\$ 4,813
919	BROUILLETTE CRT	DI	DistMain	T281	150	83.1	1970	60	45	15	\$ 33,880	\$ 19,570	\$ 53,450	\$ 670	\$ 3,570	\$ 71,937	\$ 4,160
920	BROUILLETTE CRT	DI	DistMain	T280	150	62.4	1970	60	45	15	\$ 25,440	\$ -	\$ 25,440	\$ 320	\$ 1,700	\$ 34,239	\$ 1,980
921	BROUILLETTE CRT	PVC	DistMain	T280	150	175.8	1998	80	17	63	\$ 71,570	\$ 29,350	\$ 100,920	\$ 1,270	\$ 1,610	\$ 351,389	\$ 2,832
925	COMMUNITY CRES	PVC	DistMain	PVT044	150	48.0	1991	80	24	56	\$ 19,570	\$ -	\$ 19,570	\$ 250	\$ 350	\$ 59,320	\$ 584
928	LARAMIE ST	PVC	DistMain	T208	150	49.9	1994	80	21	59	\$ 20,290	\$ -	\$ 20,290	\$ 260	\$ 350	\$ 65,267	\$ 589
929	LARAMIE ST	PVC	DistMain	T208	150	138.3	1994	80	21	59	\$ 56,330	\$ -	\$ 56,330	\$ 710	\$ 960	\$ 181,197	\$ 1,635
930	LARAMIE ST	PVC	DistMain	T208	150	69.4	1994	80	21	59	\$ 28,320	\$ -	\$ 28,320	\$ 360	\$ 480	\$ 91,097	\$ 822

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Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
931	LARAMIE ST	PVC	DistMain	T208	150	179.1	1994	80	21	59	\$ 72,910	\$ -	\$ 72,910	\$ 920	\$ 1,240	\$ 234,529	\$ 2,116
932	LARAMIE ST	PVC	DistMain	T208	150	159.6	2001	80	14	66	\$ 64,980	\$ -	\$ 64,980	\$ 820	\$ 990	\$ 240,099	\$ 1,782
933	REGAL CRT	PVC	DistMain	T137	150	76.8	1989	80	26	54	\$ 31,310	\$ 22,040	\$ 53,350	\$ 670	\$ 990	\$ 155,433	\$ 1,625
934	ARBOUR ST	CI	DistMain	T285	150	141.7	1964	60	51	9	\$ 57,670	\$ -	\$ 57,670	\$ 730	\$ 6,410	\$ 68,921	\$ 7,065
935	ARBOUR ST	CI	DistMain	T286	150	233.1	1993	60	22	38	\$ 94,840	\$ 12,260	\$ 107,100	\$ 1,340	\$ 2,820	\$ 227,298	\$ 4,051
936	POISSON ST	DI	DistMain	T293	150	16.8	2000	60	15	45	\$ 6,900	\$ -	\$ 6,900	\$ 90	\$ 160	\$ 16,821	\$ 234
937	POISSON ST	DI	DistMain	T297	150	150.5	1970	60	45	15	\$ 61,270	\$ 2,480	\$ 63,750	\$ 800	\$ 4,250	\$ 85,799	\$ 4,961
938	POISSON ST	DI	DistMain	T293	150	111.2	1970	60	45	15	\$ 45,310	\$ 14,730	\$ 60,040	\$ 760	\$ 4,010	\$ 80,806	\$ 4,673
939	ARBOUR ST	CI	DistMain	T291	150	103.9	1993	60	22	38	\$ 42,320	\$ -	\$ 42,320	\$ 530	\$ 1,120	\$ 89,816	\$ 1,601
941	DOVE LANE	PVC	DistMain	T402	150	155.1	1991	80	24	56	\$ 63,120	\$ -	\$ 63,120	\$ 790	\$ 1,130	\$ 191,327	\$ 1,884
943	CARDINAL CRES	PVC	DistMain	T407	150	165.2	1991	80	24	56	\$ 67,240	\$ -	\$ 67,240	\$ 850	\$ 1,210	\$ 203,816	\$ 2,007
944	CARDINAL CRES	PVC	DistMain	T407	150	132.6	1991	80	24	56	\$ 53,960	\$ -	\$ 53,960	\$ 680	\$ 970	\$ 163,562	\$ 1,611
949	TECUMSEH RD	PVC	DistMain	SC067	400	53.2	2005	80	10	70	\$ 44,280	\$ -	\$ 44,280	\$ 560	\$ 640	\$ 177,100	\$ 1,181
950	REGENT RD	PVC	DistMain	SC082	150	7.9	1980	80	35	45	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 80	\$ 8,045	\$ 112
951	TECUMSEH RD	PVC	DistMain	SC068	250	175.3	1980	80	35	45	\$ 89,070	\$ -	\$ 89,070	\$ 1,120	\$ 1,980	\$ 217,140	\$ 3,020
952	TECUMSEH RD	CI	DistMain	SC068	250	436.8	1955	60	60	0	\$ 221,790	\$ 2,480	\$ 224,270	\$ 2,810	\$ 2,810	\$ 1,093,415	\$ 5,643
953	TECUMSEH RD	CI	DistMain	SC083	250	0.6	1955	60	60	0	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 2,048	\$ 11
954	TECUMSEH RD	PVC	DistMain	SC083	250	190.0	1980	80	35	45	\$ 96,480	\$ -	\$ 96,480	\$ 1,210	\$ 2,150	\$ 235,204	\$ 3,272
955	TECUMSEH RD	CI	DistMain	SC068	150	181.9	1955	60	60	0	\$ 74,040	\$ -	\$ 74,040	\$ 930	\$ 930	\$ 360,978	\$ 1,863
956	TECUMSEH RD	CI	DistMain	SC083	150	173.2	1955	60	60	0	\$ 70,540	\$ -	\$ 70,540	\$ 890	\$ 890	\$ 343,913	\$ 1,775
957	TECUMSEH RD	PVC	DistMain	SC084	250	6.7	1979	80	36	44	\$ 3,510	\$ -	\$ 3,510	\$ 50	\$ 80	\$ 8,389	\$ 121
958	TECUMSEH RD	CI	DistMain	SC084	150	171.5	1955	60	60	0	\$ 69,820	\$ -	\$ 69,820	\$ 880	\$ 880	\$ 340,403	\$ 1,757
959	TECUMSEH RD	PVC	DistMain	SC084	150	1.2	1979	80	36	44	\$ 520	\$ -	\$ 520	\$ 10	\$ 20	\$ 1,243	\$ 18
960	ARLINGTON BLVD	PVC	DistMain	SC085	250	18.6	1979	80	36	44	\$ 9,480	\$ -	\$ 9,480	\$ 120	\$ 220	\$ 22,658	\$ 326
961	ARLINGTON BLVD	PVC	DistMain	SC085	150	1.5	1979	80	36	44	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 1,745	\$ 25
962	TECUMSEH RD	PVC	DistMain	SC084	250	177.8	1980	80	35	45	\$ 90,310	\$ -	\$ 90,310	\$ 1,130	\$ 2,010	\$ 220,163	\$ 3,062
963	TECUMSEH RD	PVC	DistMain	SC086	250	294.5	1979	80	36	44	\$ 149,620	\$ -	\$ 149,620	\$ 1,880	\$ 3,410	\$ 357,600	\$ 5,145
964	TECUMSEH RD	PVC	DistMain	SC094	250	162.5	1979	80	36	44	\$ 82,580	\$ -	\$ 82,580	\$ 1,040	\$ 1,880	\$ 197,371	\$ 2,840
965	TECUMSEH RD	PVC	DistMain	SC095	250	306.8	1979	80	36	44	\$ 155,790	\$ 9,790	\$ 165,580	\$ 2,070	\$ 3,770	\$ 395,745	\$ 5,694
970	TECUMSEH RD	PVC	DistMain	SC108	250	122.4	2010	80	5	75	\$ 62,200	\$ 7,420	\$ 69,620	\$ 880	\$ 930	\$ 307,430	\$ 1,800
971	TECUMSEH RD	PVC	DistMain	SC108	250	10.3	2010	80	5	75	\$ 5,260	\$ -	\$ 5,260	\$ 70	\$ 80	\$ 23,227	\$ 136
972	ESTATE PARK	PVC	DistMain	SC106	150	36.5	1979	80	36	44	\$ 14,940	\$ -	\$ 14,940	\$ 190	\$ 340	\$ 35,707	\$ 514
973	ESTATE PARK	PVC	DistMain	SC102	150	401.8	1979	80	36	44	\$ 163,520	\$ 68,480	\$ 232,000	\$ 2,900	\$ 5,280	\$ 554,492	\$ 7,978
974	TALTHORPE PL	PVC	DistMain	SC103	150	94.1	1979	80	36	44	\$ 38,310	\$ 4,950	\$ 43,260	\$ 550	\$ 990	\$ 103,394	\$ 1,488
975	TALTHORPE PL	PVC	DistMain	SC105	150	233.8	1979	80	36	44	\$ 95,150	\$ 34,290	\$ 129,440	\$ 1,620	\$ 2,950	\$ 309,368	\$ 4,451
976	WELLWOOD CRT	PVC	DistMain	SC104	150	106.5	1979	80	36	44	\$ 43,350	\$ 22,040	\$ 65,390	\$ 820	\$ 1,490	\$ 156,286	\$ 2,249
977	CANTERBERRY CRT	PVC	DistMain	SC100	150	90.4	1979	80	36	44	\$ 36,870	\$ 19,570	\$ 56,440	\$ 710	\$ 1,290	\$ 134,895	\$ 1,941
978	ESTATE PARK	PVC	DistMain	SC101	150	92.4	1979	80	36	44	\$ 37,590	\$ 9,790	\$ 47,380	\$ 600	\$ 1,080	\$ 113,241	\$ 1,629
979	ESTATE PARK	PVC	DistMain	SC099	150	78.4	1979	80	36	44	\$ 31,920	\$ 9,790	\$ 41,710	\$ 530	\$ 950	\$ 99,689	\$ 1,434
980	LEXHAM GDN	PVC	DistMain	SC096	150	39.6	1979	80	36	44	\$ 16,170	\$ 7,420	\$ 23,590	\$ 300	\$ 540	\$ 56,381	\$ 811
981	LEXHAM GDN	PVC	DistMain	SC098	150	175.2	1979	80	36	44	\$ 71,260	\$ 26,880	\$ 98,140	\$ 1,230	\$ 2,240	\$ 234,560	\$ 3,375
982	ESTATE PARK	PVC	DistMain	SC097	150	358.2	1979	80	36	44	\$ 145,700	\$ 51,390	\$ 197,090	\$ 2,470	\$ 4,480	\$ 471,056	\$ 6,778
983	DORSET PARK	PVC	DistMain	SC087	150	258.6	1980	80	35	45	\$ 105,240	\$ 44,070	\$ 149,310	\$ 1,870	\$ 3,320	\$ 363,996	\$ 5,063
984	DORSET PARK	PVC	DistMain	SC089	150	84.2	1980	80	35	45	\$ 34,290	\$ 9,790	\$ 44,080	\$ 560	\$ 980	\$ 107,461	\$ 1,495
985	DORSET PARK	PVC	DistMain	SC090	150	93.2	1980	80	35	45	\$ 38,000	\$ -	\$ 38,000	\$ 480	\$ 850	\$ 92,638	\$ 1,289
986	DORSET PARK	PVC	DistMain	SC092	150	102.1	1980	80	35	45	\$ 41,600	\$ 14,730	\$ 56,330	\$ 710	\$ 1,260	\$ 137,324	\$ 1,910
987	DORSET PARK	PVC	DistMain	SC093	150	3.7	1979	80	36	44	\$ 1,550	\$ -	\$ 1,550	\$ 20	\$ 40	\$ 3,705	\$ 53
988	DORSET PARK	PVC	DistMain	SC093	150	294.2	1980	80	35	45	\$ 119,650	\$ 53,750	\$ 173,400	\$ 2,170	\$ 3,860	\$ 422,724	\$ 5,880
989	HARBOURNE CRES	PVC	DistMain	SC088	150	361.9	1980	80	35	45	\$ 147,250	\$ 58,700	\$ 205,950	\$ 2,580	\$ 4,580	\$ 502,076	\$ 6,984
990	COLLIER CRES	PVC	DistMain	SC091	150	415.4	1980	80	35	45	\$ 168,970	\$ 56,220	\$ 225,190	\$ 2,820	\$ 5,010	\$ 548,980	\$ 7,636
991	REGENT RD	PVC	DistMain	SC082	150	40.5	1984	80	31	49	\$ 16,480	\$ 2,480	\$ 18,960	\$ 240	\$ 390	\$ 50,032	\$ 611

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Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
992	REGENT RD	PVC	DistMain	SC080	150	104.4	1984	80	31	49	\$ 42,530	\$ 7,420	\$ 49,950	\$ 630	\$ 1,020	\$ 131,809	\$ 1,609
993	DRESDEN PL	PVC	DistMain	SC081	150	327.3	1984	80	31	49	\$ 133,140	\$ 51,390	\$ 184,530	\$ 2,310	\$ 3,770	\$ 486,940	\$ 5,943
994	DRESDEN PL	PVC	DistMain	SC079	150	12.0	1984	80	31	49	\$ 4,950	\$ 2,480	\$ 7,430	\$ 100	\$ 160	\$ 19,606	\$ 239
995	DRESDEN PL	PVC	DistMain	SC079	150	78.9	1984	80	31	49	\$ 32,130	\$ 7,420	\$ 39,550	\$ 500	\$ 810	\$ 104,365	\$ 1,274
996	DRESDEN PL	PVC	DistMain	SC077	150	89.2	1984	80	31	49	\$ 36,350	\$ 17,200	\$ 53,550	\$ 670	\$ 1,100	\$ 141,308	\$ 1,725
997	CHRISTY LANE	PVC	DistMain	SC002	150	264.5	1993	80	22	58	\$ 107,600	\$ 24,510	\$ 132,110	\$ 1,660	\$ 2,280	\$ 416,625	\$ 3,869
1002	RIVERSIDE DR	PVC	DistMain	SC007	250	420.5	2004	80	11	69	\$ 213,450	\$ 80,630	\$ 294,080	\$ 3,680	\$ 4,270	\$ 1,153,128	\$ 7,895
1003	COVE DR	DI	DistMain	SC011	150	117.0	1985	60	30	30	\$ 47,680	\$ 9,790	\$ 57,470	\$ 720	\$ 1,920	\$ 104,099	\$ 2,566
1004	RIVERSIDE DR	PVC	DistMain	SC008	250	382.0	2004	80	11	69	\$ 193,990	\$ 22,040	\$ 216,030	\$ 2,710	\$ 3,140	\$ 847,083	\$ 5,800
1005	RIVERSIDE DR	PVC	DistMain	SC009	250	106.3	2004	80	11	69	\$ 54,060	\$ 19,570	\$ 73,630	\$ 930	\$ 1,070	\$ 288,713	\$ 1,977
1006	COVE DR	DI	DistMain	SC011	150	241.7	1985	60	30	30	\$ 98,340	\$ 19,570	\$ 117,910	\$ 1,480	\$ 3,940	\$ 213,578	\$ 5,265
1007	COVE DR	DI	DistMain	SC011	150	112.5	1985	60	30	30	\$ 45,830	\$ -	\$ 45,830	\$ 580	\$ 1,530	\$ 83,015	\$ 2,046
1008	COVE DR	DI	DistMain	SC011	150	172.6	1985	60	30	30	\$ 70,230	\$ -	\$ 70,230	\$ 880	\$ 2,350	\$ 127,212	\$ 3,136
1010	ALOHA DR	PVC	DistMain	SC123	150	0.9	1994	80	21	59	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,351	\$ 12
1011	BRIGHTON RD	PVC	DistMain	SC122	250	82.9	1994	80	21	59	\$ 42,120	\$ 9,790	\$ 51,910	\$ 650	\$ 880	\$ 166,979	\$ 1,507
1012	STARWOOD LANE	PVC	DistMain	SC126	150	0.6	1994	80	21	59	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 997	\$ 9
1013	BRIGHTON RD	PVC	DistMain	SC124	150	137.3	1984	80	31	49	\$ 55,920	\$ 22,040	\$ 77,960	\$ 980	\$ 1,600	\$ 205,722	\$ 2,511
1014	SOUTHWIND CRES	PVC	DistMain	SC127	150	1.1	1994	80	21	59	\$ 520	\$ 2,480	\$ 3,000	\$ 40	\$ 60	\$ 9,650	\$ 87
1015	BRIGHTON RD	PVC	DistMain	SC125	150	78.6	1994	80	21	59	\$ 32,030	\$ 9,790	\$ 41,820	\$ 530	\$ 710	\$ 134,522	\$ 1,214
1016	BRIGHTON RD	PVC	DistMain	SC128	150	0.5	1994	80	21	59	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 997	\$ 9
1017	BRIGHTON RD	DI	DistMain	SC010	150	5.9	1985	60	30	30	\$ 2,480	\$ -	\$ 2,480	\$ 40	\$ 90	\$ 4,492	\$ 111
1018	BRIGHTON RD	PVC	DistMain	SC010	250	26.2	2004	80	11	69	\$ 13,390	\$ -	\$ 13,390	\$ 170	\$ 200	\$ 52,504	\$ 359
1019	BRIGHTON RD	PVC	DistMain	SC128	250	250.6	1994	80	21	59	\$ 127,270	\$ 29,350	\$ 156,620	\$ 1,960	\$ 2,660	\$ 503,799	\$ 4,545
1020	SOUTHWIND CRES	PVC	DistMain	SC127	150	241.7	1995	80	20	60	\$ 98,340	\$ 48,910	\$ 147,250	\$ 1,850	\$ 2,460	\$ 483,132	\$ 4,236
1021	SOUTHWIND CRES	PVC	DistMain	SC127	150	85.9	1995	80	20	60	\$ 35,010	\$ 12,260	\$ 47,270	\$ 600	\$ 790	\$ 155,094	\$ 1,360
1022	STARWOOD LANE	PVC	DistMain	SC126	150	1.0	1995	80	20	60	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,378	\$ 12
1023	STARWOOD LANE	DI	DistMain	SC126	150	218.4	1995	60	20	40	\$ 88,860	\$ 39,130	\$ 127,990	\$ 1,600	\$ 3,200	\$ 282,607	\$ 4,679
1024	PENTILLY RD	PVC	DistMain	SC121	150	567.8	2004	80	11	69	\$ 230,960	\$ 48,910	\$ 279,870	\$ 3,500	\$ 4,060	\$ 1,097,408	\$ 7,514
1027	ARLINGTON BLVD	CI	DistMain	SC066	150	332.4	1955	60	60	0	\$ 135,300	\$ -	\$ 135,300	\$ 1,700	\$ 1,700	\$ 659,647	\$ 3,404
1028	ARLINGTON BLVD	CI	DistMain	SC065	150	347.1	1955	60	60	0	\$ 141,170	\$ -	\$ 141,170	\$ 1,770	\$ 1,770	\$ 688,266	\$ 3,552
1029	ARLINGTON BLVD	CI	DistMain	SC056	150	113.2	1955	60	60	0	\$ 46,130	\$ -	\$ 46,130	\$ 580	\$ 580	\$ 224,904	\$ 1,161
1030	ARLINGTON BLVD	CI	DistMain	SC085	150	377.1	1955	60	60	0	\$ 153,420	\$ 2,480	\$ 155,900	\$ 1,950	\$ 1,950	\$ 760,081	\$ 3,923
1031	KENSINGTON BLVD	CI	DistMain	SC054	150	472.9	1955	60	60	0	\$ 192,350	\$ -	\$ 192,350	\$ 2,410	\$ 2,410	\$ 937,791	\$ 4,840
1032	KENSINGTON BLVD	CI	DistMain	SC055	150	59.1	1955	60	60	0	\$ 24,100	\$ 2,480	\$ 26,580	\$ 340	\$ 340	\$ 129,589	\$ 669
1033	KENSINGTON BLVD	CI	DistMain	SC055	150	290.9	1955	60	60	0	\$ 118,420	\$ 2,480	\$ 120,900	\$ 1,520	\$ 1,520	\$ 589,441	\$ 3,042
1034	CLOVELLY RD	CI	DistMain	SC060	150	37.2	1955	60	60	0	\$ 15,240	\$ -	\$ 15,240	\$ 200	\$ 200	\$ 74,302	\$ 383
1035	BURLINGTON RD	CI	DistMain	SC057	150	154.6	1955	60	60	0	\$ 62,920	\$ -	\$ 62,920	\$ 790	\$ 790	\$ 306,763	\$ 1,583
1036	BURLINGTON RD	CI	DistMain	SC059	150	218.0	1955	60	60	0	\$ 88,760	\$ -	\$ 88,760	\$ 1,110	\$ 1,110	\$ 432,744	\$ 2,233
1037	ST MARKS RD	CI	DistMain	SC043	150	166.4	1955	60	60	0	\$ 67,760	\$ -	\$ 67,760	\$ 850	\$ 850	\$ 330,360	\$ 1,705
1038	ST MARKS RD	CI	DistMain	SC045	150	157.9	1955	60	60	0	\$ 64,260	\$ -	\$ 64,260	\$ 810	\$ 810	\$ 313,296	\$ 1,617
1039	ST MARKS RD	CI	DistMain	SC049	150	100.6	1955	60	60	0	\$ 40,990	\$ -	\$ 40,990	\$ 520	\$ 520	\$ 199,844	\$ 1,031
1040	ST MARKS RD	CI	DistMain	SC050	150	60.4	1955	60	60	0	\$ 24,610	\$ -	\$ 24,610	\$ 310	\$ 310	\$ 119,985	\$ 619
1041	ST MARKS RD	CI	DistMain	SC052	150	200.8	1955	60	60	0	\$ 81,760	\$ -	\$ 81,760	\$ 1,030	\$ 1,030	\$ 398,616	\$ 2,057
1042	WARWICK RD	CI	DistMain	SC058	150	420.2	1955	60	60	0	\$ 170,930	\$ -	\$ 170,930	\$ 2,140	\$ 2,140	\$ 833,359	\$ 4,301
1052	ALDEN CRES	CI	DistMain	SC051	150	1.0	1955	60	60	0	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 2,048	\$ 11
1053	ALDEN CRES	CI	DistMain	SC051	150	0.9	1955	60	60	0	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 2,048	\$ 11
1056	ALDEN CRES	CI	DistMain	SC051	150	48.3	1955	60	60	0	\$ 19,670	\$ -	\$ 19,670	\$ 250	\$ 250	\$ 95,900	\$ 495
1057	HAYES AVE	CI	DistMain	SC038	150	124.2	1955	60	60	0	\$ 50,560	\$ -	\$ 50,560	\$ 640	\$ 640	\$ 246,502	\$ 1,272
1058	EDGEWATER BLVD	CI	DistMain	SC039	150	340.1	1955	60	60	0	\$ 138,390	\$ -	\$ 138,390	\$ 1,730	\$ 1,730	\$ 674,712	\$ 3,482
1059	HAYES AVE	DI	DistMain	SC026	250	10.3	1974	60	41	19	\$ 5,260	\$ -	\$ 5,260	\$ 70	\$ 280	\$ 7,663	\$ 335
1060	HAYES AVE	DI	DistMain	SC037	250	17.3	1974	60	41	19	\$ 8,860	\$ -	\$ 8,860	\$ 120	\$ 470	\$ 12,907	\$ 565

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1061	HAYES AVE	DI	DistMain	SC037	150	107.6	1974	60	41	19	\$ 43,770	\$ 4,950	\$ 48,720	\$ 610	\$ 2,570	\$ 70,976	\$ 3,107
1062	HAYES AVE	DI	DistMain	SC026	150	210.9	1974	60	41	19	\$ 85,880	\$ 41,600	\$ 127,480	\$ 1,600	\$ 6,710	\$ 185,714	\$ 8,131
1063	CLOVELLY RD	CI	DistMain	SC062	150	274.2	1955	60	60	0	\$ 111,620	\$ -	\$ 111,620	\$ 1,400	\$ 1,400	\$ 544,197	\$ 2,808
1064	RUTLAND RD	CI	DistMain	SC063	150	260.6	1955	60	60	0	\$ 106,060	\$ 2,480	\$ 108,540	\$ 1,360	\$ 1,360	\$ 529,180	\$ 2,731
1065	ST GREGORYS RD	PVC	DistMain	SC013	250	5.0	1981	80	34	46	\$ 2,580	\$ -	\$ 2,580	\$ 40	\$ 60	\$ 6,415	\$ 86
1066	ST GREGORYS RD	PVC	DistMain	SC013	250	95.2	1980	80	35	45	\$ 48,400	\$ -	\$ 48,400	\$ 610	\$ 1,080	\$ 117,992	\$ 1,641
1067	ST GREGORYS RD	PVC	DistMain	SC014	250	164.7	1980	80	35	45	\$ 83,720	\$ -	\$ 83,720	\$ 1,050	\$ 1,870	\$ 204,097	\$ 2,839
1075	VILLAGE GROVE DR	PVC	DistMain	PVT033	200	61.8	1994	80	21	59	\$ 29,870	\$ -	\$ 29,870	\$ 380	\$ 510	\$ 96,083	\$ 867
1080	MANNING RD	PVC	DistMain	T_SC004	250	89.0	1994	80	21	59	\$ 45,210	\$ -	\$ 45,210	\$ 570	\$ 770	\$ 145,427	\$ 1,312
1081	MANNING RD	PVC	DistMain	T_SC003	150	54.1	2002	80	13	67	\$ 22,040	\$ 2,480	\$ 24,520	\$ 310	\$ 370	\$ 92,413	\$ 668
1082	MANNING RD	PVC	DistMain	T_SC003	250	132.7	2002	80	13	67	\$ 67,450	\$ -	\$ 67,450	\$ 850	\$ 1,010	\$ 254,210	\$ 1,836
1083	MANNING RD	PVC	DistMain	T_SC003	250	221.0	1994	80	21	59	\$ 112,240	\$ -	\$ 112,240	\$ 1,410	\$ 1,910	\$ 361,042	\$ 3,257
1084	ST GREGORYS RD	PVC	DistMain	SC016	250	180.1	1980	80	35	45	\$ 91,440	\$ -	\$ 91,440	\$ 1,150	\$ 2,040	\$ 222,917	\$ 3,101
1085	ST GREGORYS RD	PVC	DistMain	SC017	250	33.3	1980	80	35	45	\$ 16,990	\$ -	\$ 16,990	\$ 220	\$ 380	\$ 41,419	\$ 576
1087	ST GREGORYS RD	PVC	DistMain	SC017	250	195.9	1978	80	37	43	\$ 99,470	\$ 19,570	\$ 119,040	\$ 1,490	\$ 2,770	\$ 278,933	\$ 4,153
1088	MANNING RD	PVC	DistMain	T_SC005	250	349.5	1993	80	22	58	\$ 177,420	\$ 9,790	\$ 187,210	\$ 2,350	\$ 3,230	\$ 590,390	\$ 5,483
1089	MANNING RD	PVC	DistMain	T_SC004	250	7.6	1993	80	22	58	\$ 3,920	\$ -	\$ 3,920	\$ 50	\$ 70	\$ 12,362	\$ 115
1090	ST GREGORYS RD	PVC	DistMain	SC034	250	139.5	1978	80	37	43	\$ 70,850	\$ 2,480	\$ 73,330	\$ 920	\$ 1,710	\$ 171,826	\$ 2,558
1091	ST GREGORYS RD	PVC	DistMain	SC040	250	0.2	1978	80	37	43	\$ 110	\$ -	\$ 110	\$ 10	\$ 10	\$ 258	\$ 4
1092	EDGEWATER BLVD	CI	DistMain	SC035	250	0.2	1978	60	37	23	\$ 110	\$ -	\$ 110	\$ 10	\$ 10	\$ 173	\$ 6
1093	ST MARKS RD	PVC	DistMain	SC041	150	16.1	1987	80	28	52	\$ 6,590	\$ -	\$ 6,590	\$ 90	\$ 130	\$ 18,454	\$ 205
1094	ST MARKS RD	CI	DistMain	SC041	150	117.8	1955	60	60	0	\$ 47,990	\$ -	\$ 47,990	\$ 600	\$ 600	\$ 233,972	\$ 1,207
1095	ST GREGORYS RD	PVC	DistMain	SC040	150	135.6	1987	80	28	52	\$ 55,190	\$ 7,420	\$ 62,610	\$ 790	\$ 1,210	\$ 175,329	\$ 1,948
1096	ST GREGORYS RD	PVC	DistMain	SC053	150	144.8	1987	80	28	52	\$ 59,000	\$ 9,790	\$ 68,790	\$ 860	\$ 1,330	\$ 192,635	\$ 2,140
1097	GRANT AVE	DI	DistMain	SC033	250	92.4	1974	60	41	19	\$ 46,960	\$ -	\$ 46,960	\$ 590	\$ 2,480	\$ 68,412	\$ 2,995
1098	GRANT AVE	DI	DistMain	SC028	250	211.5	1974	60	41	19	\$ 107,400	\$ 29,350	\$ 136,750	\$ 1,710	\$ 7,200	\$ 199,219	\$ 8,722
1099	GRANT AVE	DI	DistMain	SC027	250	76.9	1974	60	41	19	\$ 39,130	\$ 17,200	\$ 56,330	\$ 710	\$ 2,970	\$ 82,062	\$ 3,593
1100	DAVID CRES	DI	DistMain	SC032	150	183.6	1974	60	41	19	\$ 74,760	\$ 26,880	\$ 101,640	\$ 1,280	\$ 5,350	\$ 148,070	\$ 6,483
1101	DAVID CRES	DI	DistMain	SC031	150	6.9	1974	60	41	19	\$ 2,890	\$ 9,790	\$ 12,680	\$ 160	\$ 670	\$ 18,472	\$ 809
1102	DAVID CRES	DI	DistMain	SC031	150	358.2	1974	60	41	19	\$ 145,700	\$ 58,700	\$ 204,400	\$ 2,560	\$ 10,760	\$ 297,772	\$ 13,037
1103	DAVID CRES	DI	DistMain	SC029	150	91.9	1974	60	41	19	\$ 37,480	\$ 14,730	\$ 52,210	\$ 660	\$ 2,750	\$ 76,060	\$ 3,330
1104	JEFFREY PL	DI	DistMain	SC030	150	118.0	1974	60	41	19	\$ 48,090	\$ 26,880	\$ 74,970	\$ 940	\$ 3,950	\$ 109,217	\$ 4,782
1105	EDGEWATER BLVD	CI	DistMain	SC035	150	549.3	1955	60	60	0	\$ 223,440	\$ 2,480	\$ 225,920	\$ 2,830	\$ 2,830	\$ 1,101,459	\$ 5,684
1106	FAIRWAY CRES	DI	DistMain	SC025	150	92.8	1978	60	37	23	\$ 37,790	\$ 7,420	\$ 45,210	\$ 570	\$ 1,970	\$ 71,292	\$ 2,472
1107	FAIRWAY CRES	DI	DistMain	SC024	150	350.6	1978	60	37	23	\$ 142,610	\$ 61,170	\$ 203,780	\$ 2,550	\$ 8,860	\$ 321,341	\$ 11,140
1108	FAIRWAY CRES	DI	DistMain	SC024	150	93.3	1978	60	37	23	\$ 38,000	\$ 19,570	\$ 57,570	\$ 720	\$ 2,510	\$ 90,782	\$ 3,147
1109	FAIRWAY CRES	DI	DistMain	SC022	150	90.8	1978	60	37	23	\$ 36,970	\$ 9,790	\$ 46,760	\$ 590	\$ 2,040	\$ 73,736	\$ 2,556
1110	GORDON AVE	DI	DistMain	SC023	150	349.9	1978	60	37	23	\$ 142,410	\$ 63,540	\$ 205,950	\$ 2,580	\$ 8,960	\$ 324,762	\$ 11,259
1111	CADA CRES	DI	DistMain	SC018	250	88.9	1978	60	37	23	\$ 45,210	\$ 7,420	\$ 52,630	\$ 660	\$ 2,290	\$ 82,992	\$ 2,877
1112	CADA CRES	DI	DistMain	SC019	250	189.7	1978	60	37	23	\$ 96,380	\$ 34,290	\$ 130,670	\$ 1,640	\$ 5,690	\$ 206,053	\$ 7,143
1113	CADA CRES	DI	DistMain	SC021	250	164.1	1978	60	37	23	\$ 83,300	\$ 34,290	\$ 117,590	\$ 1,470	\$ 5,120	\$ 185,428	\$ 6,428
1114	CADA CRES	DI	DistMain	SC021	250	95.2	1978	60	37	23	\$ 48,400	\$ 4,950	\$ 53,350	\$ 670	\$ 2,320	\$ 84,128	\$ 2,917
1115	CADA CRES	DI	DistMain	SC021	150	92.4	1978	60	37	23	\$ 37,590	\$ 12,260	\$ 49,850	\$ 630	\$ 2,170	\$ 78,608	\$ 2,725
1116	CADA CRES	DI	DistMain	SC130	150	94.2	1978	60	37	23	\$ 38,410	\$ 12,260	\$ 50,670	\$ 640	\$ 2,210	\$ 79,901	\$ 2,770
1117	ALOHA DR	PVC	DistMain	SC123	150	215.2	1998	80	17	63	\$ 87,630	\$ 44,070	\$ 131,700	\$ 1,650	\$ 2,100	\$ 458,560	\$ 3,695
1118	CLOVELLY RD	CI	DistMain	SC064	150	221.4	1955	60	60	0	\$ 90,100	\$ -	\$ 90,100	\$ 1,130	\$ 1,130	\$ 439,277	\$ 2,267
1119	ESSEX RD	CI	DistMain	SC061	150	177.8	1955	60	60	0	\$ 72,390	\$ -	\$ 72,390	\$ 910	\$ 910	\$ 352,933	\$ 1,821
1120	DERBY RD	PVC	DistMain	SC107	150	110.9	1988	80	27	53	\$ 45,210	\$ 2,480	\$ 47,690	\$ 600	\$ 900	\$ 136,219	\$ 1,468
1121	BRIGHTON RD	PVC	DistMain	SC113	150	75.6	1988	80	27	53	\$ 30,790	\$ 4,950	\$ 35,740	\$ 450	\$ 680	\$ 102,085	\$ 1,100
1122	BRIGHTON RD	PVC	DistMain	SC112	250	0.6	1988	80	27	53	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 885	\$ 10
1123	BRIGHTON RD	PVC	DistMain	SC115	250	32.8	1988	80	27	53	\$ 16,690	\$ -	\$ 16,690	\$ 210	\$ 320	\$ 47,672	\$ 514

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Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1124	BRIGHTON RD	PVC	DistMain	SC117	250	75.8	1988	80	27	53	\$ 38,510	\$ 12,260	\$ 50,770	\$ 640	\$ 960	\$ 145,016	\$ 1,562
1125	TECUMSEH RD	DI	DistMain	SC114	200	161.3	1980	60	35	25	\$ 77,950	\$ 7,420	\$ 85,370	\$ 1,070	\$ 3,420	\$ 140,059	\$ 4,373
1126	CARITAS CRT	PVC	DistMain	SC116	150	10.5	1988	80	27	53	\$ 4,330	\$ -	\$ 4,330	\$ 60	\$ 90	\$ 12,368	\$ 133
1127	CARITAS CRT	PVC	DistMain	SC116	150	90.5	2001	80	14	66	\$ 36,870	\$ 51,390	\$ 88,260	\$ 1,110	\$ 1,340	\$ 326,118	\$ 2,420
1128	DRESDEN PL	PVC	DistMain	SC075	150	83.9	1984	80	31	49	\$ 34,190	\$ -	\$ 34,190	\$ 430	\$ 700	\$ 90,221	\$ 1,101
1129	DRESDEN PL	PVC	DistMain	SC069	150	207.0	1985	80	30	50	\$ 84,230	\$ 24,510	\$ 108,740	\$ 1,360	\$ 2,180	\$ 292,683	\$ 3,460
1130	DRESDEN PL	PVC	DistMain	SC071	150	94.5	1985	80	30	50	\$ 38,510	\$ 7,420	\$ 45,930	\$ 580	\$ 920	\$ 123,625	\$ 1,462
1131	DRESDEN PL	PVC	DistMain	SC073	150	86.6	1984	80	31	49	\$ 35,320	\$ 2,480	\$ 37,800	\$ 480	\$ 780	\$ 99,747	\$ 1,217
1132	ROSTREVOR CRT	PVC	DistMain	SC078	150	102.9	1984	80	31	49	\$ 41,910	\$ 17,200	\$ 59,110	\$ 740	\$ 1,210	\$ 155,980	\$ 1,904
1133	BIRKDALE CRT	PVC	DistMain	SC076	150	92.3	1984	80	31	49	\$ 37,590	\$ 14,730	\$ 52,320	\$ 660	\$ 1,070	\$ 138,063	\$ 1,685
1134	CUMBERLAND CRT	PVC	DistMain	SC074	150	84.9	1984	80	31	49	\$ 34,600	\$ 17,200	\$ 51,800	\$ 650	\$ 1,060	\$ 136,690	\$ 1,668
1135	CAMBRIDGE CRT	PVC	DistMain	SC072	150	79.0	1985	80	30	50	\$ 32,230	\$ 17,200	\$ 49,430	\$ 620	\$ 990	\$ 133,045	\$ 1,573
1136	OAKFIELD CRT	PVC	DistMain	SC070	150	74.2	1985	80	30	50	\$ 30,280	\$ 17,200	\$ 47,480	\$ 600	\$ 950	\$ 127,797	\$ 1,511
1138	BRIGHTON RD	PVC	DistMain	SC110	250	82.7	1993	80	22	58	\$ 42,020	\$ 7,420	\$ 49,440	\$ 620	\$ 860	\$ 155,915	\$ 1,448
1139	BRIGHTON RD	PVC	DistMain	SC112	250	109.9	1993	80	22	58	\$ 55,810	\$ 12,260	\$ 68,070	\$ 860	\$ 1,180	\$ 214,667	\$ 1,994
1140	BRIGHTON RD	PVC	DistMain	SC109	150	100.0	2010	80	5	75	\$ 40,780	\$ 14,730	\$ 55,510	\$ 700	\$ 750	\$ 245,123	\$ 1,435
1141	BRIGHTON RD	PVC	DistMain	SC109	150	122.0	2010	80	5	75	\$ 49,630	\$ 12,260	\$ 61,890	\$ 780	\$ 830	\$ 273,296	\$ 1,600
1142	MEI-LIN CRES	PVC	DistMain	SC111	150	63.7	1993	80	22	58	\$ 25,950	\$ 17,200	\$ 43,150	\$ 540	\$ 750	\$ 136,079	\$ 1,264
1143	BEACH GROVE RD	PVC	DistMain	SC118	200	119.7	1988	80	27	53	\$ 57,870	\$ 12,260	\$ 70,130	\$ 880	\$ 1,330	\$ 200,315	\$ 2,158
1144	BEACH GROVE RD	PVC	DistMain	SC119	200	0.6	1988	80	27	53	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,200	\$ 13
1145	BEACH GROVE RD	PVC	DistMain	SC119	150	86.0	1988	80	27	53	\$ 35,010	\$ 7,420	\$ 42,430	\$ 540	\$ 810	\$ 121,194	\$ 1,306
1146	PENTILLY RD	PVC	DistMain	SC120	150	19.9	1988	80	27	53	\$ 8,140	\$ -	\$ 8,140	\$ 110	\$ 160	\$ 23,251	\$ 250
1147	PENTILLY RD	PVC	DistMain	SC121	150	0.3	2004	80	11	69	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 823	\$ 6
1148	PENTILLY RD	PVC	DistMain	SC120	200	0.5	1988	80	27	53	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 885	\$ 10
1149	PENTILLY RD	PVC	DistMain	SC120	150	171.0	1988	80	27	53	\$ 69,610	\$ 31,820	\$ 101,430	\$ 1,270	\$ 1,920	\$ 289,718	\$ 3,121
1151	DERBY RD	CI	DistMain	SC107	150	2.1	1972	60	43	17	\$ 930	\$ 2,480	\$ 3,410	\$ 50	\$ 210	\$ 4,775	\$ 239
1152	HIGHWAY 2	DI	DistMain	T_SS003	200	1.1	1985	60	30	30	\$ 620	\$ -	\$ 620	\$ 10	\$ 30	\$ 1,123	\$ 28
1153	HIGHWAY 2	DI	DistMain	T_SS003	200	1.6	1985	60	30	30	\$ 830	\$ -	\$ 830	\$ 20	\$ 30	\$ 1,503	\$ 37
1154	LESPERANCE RD	DI	DistMain	SS048	150	6.6	1985	60	30	30	\$ 2,790	\$ -	\$ 2,790	\$ 40	\$ 100	\$ 5,054	\$ 125
1155	HIGHWAY 2	DI	Trunk	T_SS003	300	397.0	1985	60	30	30	\$ 214,280	\$ -	\$ 214,280	\$ 2,680	\$ 7,150	\$ 388,139	\$ 9,568
1156	LESPERANCE RD	CI	DistMain	SS048	150	70.7	1960	60	55	5	\$ 28,840	\$ -	\$ 28,840	\$ 370	\$ 5,770	\$ 31,842	\$ 6,119
1157	LESPERANCE RD	DI	Trunk	SS048	300	108.5	1985	60	30	30	\$ 58,590	\$ 12,260	\$ 70,850	\$ 890	\$ 2,370	\$ 128,335	\$ 3,163
1158	WEST LAKE DR	DI	Trunk	SS045	300	220.3	1985	60	30	30	\$ 118,930	\$ 24,510	\$ 143,440	\$ 1,800	\$ 4,790	\$ 259,822	\$ 6,405
1159	WEST LAKE DR	DI	Trunk	SS046	300	140.2	1985	60	30	30	\$ 75,690	\$ 7,420	\$ 83,110	\$ 1,040	\$ 2,780	\$ 150,542	\$ 3,711
1160	KAVANAGH DR	DI	DistMain	SS016	150	3.7	1985	60	30	30	\$ 1,550	\$ -	\$ 1,550	\$ 20	\$ 60	\$ 2,808	\$ 69
1161	WEST LAKE DR	DI	DistMain	SS026	150	4.7	1985	60	30	30	\$ 1,960	\$ -	\$ 1,960	\$ 30	\$ 70	\$ 3,550	\$ 88
1162	WEST LAKE DR	DI	Trunk	SS026	300	129.3	1985	60	30	30	\$ 69,820	\$ -	\$ 69,820	\$ 880	\$ 2,330	\$ 126,469	\$ 3,117
1164	LESPERANCE RD	DI	DistMain	SS048	250	18.1	1997	60	18	42	\$ 9,270	\$ -	\$ 9,270	\$ 120	\$ 230	\$ 21,295	\$ 328
1166	LESPERANCE RD	PVC	DistMain	SS044	200	159.6	1997	80	18	62	\$ 77,130	\$ 26,880	\$ 104,010	\$ 1,310	\$ 1,680	\$ 355,047	\$ 2,942
1167	LESPERANCE RD	PVC	DistMain	SS042	150	2.1	1997	80	18	62	\$ 930	\$ -	\$ 930	\$ 20	\$ 20	\$ 3,175	\$ 26
1168	LESPERANCE RD	PVC	DistMain	SS042	200	153.8	1997	80	18	62	\$ 74,350	\$ 26,880	\$ 101,230	\$ 1,270	\$ 1,640	\$ 345,557	\$ 2,863
1169	CALVARY CRT	PVC	DistMain	SS039	150	3.4	1997	80	18	62	\$ 1,450	\$ -	\$ 1,450	\$ 20	\$ 30	\$ 4,950	\$ 41
1170	LESPERANCE RD	PVC	DistMain	SS038	200	321.2	1997	80	18	62	\$ 155,180	\$ 46,440	\$ 201,620	\$ 2,530	\$ 3,260	\$ 688,247	\$ 5,703
1171	GOUIN ST	CI	DistMain	SS037	150	6.5	1997	60	18	42	\$ 2,680	\$ -	\$ 2,680	\$ 40	\$ 70	\$ 6,157	\$ 95
1172	LESPERANCE RD	PVC	DistMain	SS036	200	17.0	1997	80	18	62	\$ 8,240	\$ -	\$ 8,240	\$ 110	\$ 140	\$ 28,128	\$ 233
1173	GOUIN ST	PVC	DistMain	SS089	200	3.4	1997	80	18	62	\$ 1,760	\$ -	\$ 1,760	\$ 30	\$ 30	\$ 6,008	\$ 50
1174	GOUIN ST	PVC	DistMain	SS089	250	14.4	1997	80	18	62	\$ 7,420	\$ -	\$ 7,420	\$ 100	\$ 120	\$ 25,329	\$ 210
1175	GOUIN ST	PVC	DistMain	SS089	150	1.3	1997	80	18	62	\$ 620	\$ -	\$ 620	\$ 10	\$ 10	\$ 2,116	\$ 18
1176	GOUIN ST	PVC	DistMain	SS089	150	1.0	1997	80	18	62	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,434	\$ 12
1177	GOUIN ST	PVC	DistMain	SS089	150	4.2	1997	80	18	62	\$ 1,760	\$ -	\$ 1,760	\$ 30	\$ 30	\$ 6,008	\$ 50
1178	LESPERANCE RD	PVC	DistMain	SS134	200	324.7	1997	80	18	62	\$ 156,930	\$ 46,440	\$ 203,370	\$ 2,550	\$ 3,290	\$ 694,221	\$ 5,753

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1180	12TH CON RD	PVC	DistMain	SS181	200	90.7	2003	80	12	68	\$ 43,870	\$ 4,950	\$ 48,820	\$ 620	\$ 720	\$ 187,676	\$ 1,320
1181	LESUPERANCE RD	PVC	DistMain	SS134	200	11.8	2003	80	12	68	\$ 5,770	\$ -	\$ 5,770	\$ 80	\$ 90	\$ 22,181	\$ 156
1182	12TH CON RD	CI	DistMain	SS181	150	223.1	1966	60	49	11	\$ 90,820	\$ 4,950	\$ 95,770	\$ 1,200	\$ 8,710	\$ 119,078	\$ 9,786
1183	12TH CON RD	PVC	DistMain	SS168	150	347.2	2012	80	3	77	\$ 141,270	\$ -	\$ 141,270	\$ 1,770	\$ 1,840	\$ 649,028	\$ 3,611
1184	12TH CON RD	PVC	DistMain	SS168	150	300.7	1990	80	25	55	\$ 122,330	\$ 17,200	\$ 139,530	\$ 1,750	\$ 2,540	\$ 414,646	\$ 4,206
1185	12TH CON RD	PVC	DistMain	SS168	150	19.8	1990	80	25	55	\$ 8,140	\$ -	\$ 8,140	\$ 110	\$ 150	\$ 24,190	\$ 245
1186	12TH CON RD	PVC	DistMain	SS168	150	81.4	1990	80	25	55	\$ 33,160	\$ 2,480	\$ 35,640	\$ 450	\$ 650	\$ 105,912	\$ 1,074
1187	12TH CON RD	PVC	DistMain	SS168	150	211.2	1990	80	25	55	\$ 85,980	\$ 9,790	\$ 95,770	\$ 1,200	\$ 1,750	\$ 284,603	\$ 2,887
1188	12TH CON RD	PVC	DistMain	SS168	150	5.7	1990	80	25	55	\$ 2,370	\$ -	\$ 2,370	\$ 30	\$ 50	\$ 7,043	\$ 71
1189	12TH CON RD	PVC	DistMain	SS168	150	153.9	1990	80	25	55	\$ 62,710	\$ 4,950	\$ 67,660	\$ 850	\$ 1,240	\$ 201,067	\$ 2,040
1190	12TH CON RD	PVC	DistMain	SS168	150	58.6	1990	80	25	55	\$ 23,890	\$ 4,950	\$ 28,840	\$ 370	\$ 530	\$ 85,705	\$ 869
1191	12TH CON RD	PVC	DistMain	SS168	150	224.5	1997	80	18	62	\$ 91,340	\$ -	\$ 91,340	\$ 1,150	\$ 1,480	\$ 311,797	\$ 2,584
1192	HIGHWAY 2	PVC	DistMain	T_SS003	400	0.8	1989	80	26	54	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 2,127	\$ 22
1193	HIGHWAY 2	PVC	DistMain	T_SS003	250	15.8	1989	80	26	54	\$ 8,140	\$ -	\$ 8,140	\$ 110	\$ 160	\$ 23,716	\$ 248
1194	SYLVESTRE DR	PVC	DistMain	SS098	250	597.0	1989	80	26	54	\$ 303,140	\$ 4,950	\$ 308,090	\$ 3,860	\$ 5,710	\$ 897,608	\$ 9,382
1195	DESRO DR	PVC	DistMain	SS100	250	390.5	1989	80	26	54	\$ 198,320	\$ -	\$ 198,320	\$ 2,480	\$ 3,680	\$ 577,798	\$ 6,039
1196	DESRO DR	PVC	DistMain	SS100	200	2.0	1989	80	26	54	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 20	\$ 3,001	\$ 31
1197	MANNING RD	PVC	DistMain	SS101	200	11.9	1989	80	26	54	\$ 5,770	\$ -	\$ 5,770	\$ 80	\$ 110	\$ 16,811	\$ 176
1198	MANNING RD	PVC	DistMain	SS101	200	62.4	1989	80	26	54	\$ 30,170	\$ -	\$ 30,170	\$ 380	\$ 560	\$ 87,899	\$ 919
1199	MANNING RD	PVC	DistMain	SS099	200	285.3	1989	80	26	54	\$ 137,880	\$ -	\$ 137,880	\$ 1,730	\$ 2,560	\$ 401,708	\$ 4,199
1200	MANNING RD	PVC	DistMain	SS096	200	382.1	1989	80	26	54	\$ 184,620	\$ -	\$ 184,620	\$ 2,310	\$ 3,420	\$ 537,883	\$ 5,622
1201	MANNING RD	PVC	DistMain	SS092	200	816.4	1989	80	26	54	\$ 394,260	\$ 12,260	\$ 406,520	\$ 5,090	\$ 7,530	\$ 1,184,380	\$ 12,379
1203	COUNTY RD 42	PVC	DistMain	SS133	250	189.9	2003	80	12	68	\$ 96,480	\$ 12,260	\$ 108,740	\$ 1,360	\$ 1,600	\$ 418,024	\$ 2,939
1204	MAISONNEUVE ST	PVC	DistMain	SS035	150	15.7	1998	80	17	63	\$ 6,390	\$ -	\$ 6,390	\$ 80	\$ 110	\$ 22,249	\$ 179
1205	LESUPERANCE RD	PVC	DistMain	SS036	200	312.1	1998	80	17	63	\$ 150,750	\$ 46,440	\$ 197,190	\$ 2,470	\$ 3,130	\$ 686,587	\$ 5,533
1206	LESUPERANCE RD	PVC	DistMain	SS034	150	11.9	1998	80	17	63	\$ 4,840	\$ 2,480	\$ 7,320	\$ 100	\$ 120	\$ 25,487	\$ 205
1207	LESUPERANCE RD	PVC	DistMain	SS034	200	54.2	1998	80	17	63	\$ 26,260	\$ 4,950	\$ 31,210	\$ 400	\$ 500	\$ 108,669	\$ 876
1208	LESUPERANCE RD	PVC	DistMain	SS034	200	301.7	2000	80	15	65	\$ 145,700	\$ 19,570	\$ 165,270	\$ 2,070	\$ 2,550	\$ 598,694	\$ 4,566
1209	INTERSECTION RD	PVC	DistMain	SS033	150	7.1	2000	80	15	65	\$ 2,990	\$ -	\$ 2,990	\$ 40	\$ 50	\$ 10,831	\$ 83
1210	LESUPERANCE RD	PVC	DistMain	SS077	200	74.1	2000	80	15	65	\$ 35,840	\$ 2,480	\$ 38,320	\$ 480	\$ 590	\$ 138,815	\$ 1,059
1211	CHARLENE LANE	PVC	DistMain	SS078	150	13.2	2000	80	15	65	\$ 5,460	\$ -	\$ 5,460	\$ 70	\$ 90	\$ 19,779	\$ 151
1212	MECONI DR	PVC	DistMain	SS063	150	12.8	2000	80	15	65	\$ 5,260	\$ -	\$ 5,260	\$ 70	\$ 90	\$ 19,054	\$ 145
1213	LESUPERANCE RD	PVC	DistMain	SS076	200	364.9	2000	80	15	65	\$ 176,280	\$ 44,070	\$ 220,350	\$ 2,760	\$ 3,390	\$ 798,223	\$ 6,087
1214	LESUPERANCE RD	PVC	DistMain	SS062	200	7.5	2000	80	15	65	\$ 3,710	\$ -	\$ 3,710	\$ 50	\$ 60	\$ 13,440	\$ 102
1215	LESUPERANCE RD	PVC	DistMain	SS144	200	40.5	2001	80	14	66	\$ 19,570	\$ -	\$ 19,570	\$ 250	\$ 300	\$ 72,311	\$ 537
1216	LESUPERANCE RD	PVC	DistMain	SS054	200	32.7	2001	80	14	66	\$ 15,860	\$ -	\$ 15,860	\$ 200	\$ 250	\$ 58,602	\$ 435
1217	LESUPERANCE RD	PVC	DistMain	SS054	200	54.5	2001	80	14	66	\$ 26,360	\$ 7,420	\$ 33,780	\$ 430	\$ 520	\$ 124,816	\$ 926
1218	NORTH PACIFIC AVE	PVC	DistMain	SS055	200	4.5	2001	80	14	66	\$ 2,170	\$ -	\$ 2,170	\$ 30	\$ 40	\$ 8,018	\$ 60
1219	LESUPERANCE RD	PVC	DistMain	SS062	200	117.1	2001	80	14	66	\$ 56,640	\$ 9,790	\$ 66,430	\$ 840	\$ 1,010	\$ 245,457	\$ 1,822
1220	LESUPERANCE RD	PVC	DistMain	SS142	150	4.3	1997	80	18	62	\$ 1,760	\$ -	\$ 1,760	\$ 30	\$ 30	\$ 6,008	\$ 50
1221	DOCHERTY DR	PVC	DistMain	SS140	200	5.0	1997	80	18	62	\$ 2,480	\$ -	\$ 2,480	\$ 40	\$ 40	\$ 8,466	\$ 70
1222	LESUPERANCE RD	PVC	DistMain	SS142	200	227.9	1997	80	18	62	\$ 110,080	\$ 7,420	\$ 117,500	\$ 1,470	\$ 1,900	\$ 401,096	\$ 3,324
1223	LESUPERANCE RD	PVC	DistMain	SS141	200	309.8	1997	80	18	62	\$ 149,620	\$ 61,170	\$ 210,790	\$ 2,640	\$ 3,400	\$ 719,549	\$ 5,962
1224	LESUPERANCE RD	PVC	DistMain	SS135	200	88.8	1997	80	18	62	\$ 42,940	\$ 17,200	\$ 60,140	\$ 760	\$ 970	\$ 205,293	\$ 1,701
1225	WILDBERRY CRES	PVC	DistMain	SS152	200	17.4	1997	80	18	62	\$ 8,450	\$ -	\$ 8,450	\$ 110	\$ 140	\$ 28,845	\$ 239
1227	MANNING RD	PVC	DistMain	SS092	150	27.8	1989	80	26	54	\$ 11,330	\$ -	\$ 11,330	\$ 150	\$ 210	\$ 33,010	\$ 345
1228	MANNING RD	PVC	DistMain	SS092	200	31.2	1989	80	26	54	\$ 15,140	\$ -	\$ 15,140	\$ 190	\$ 290	\$ 44,110	\$ 461
1229	MANNING RD	PVC	DistMain	SS092	200	327.2	1989	80	26	54	\$ 158,060	\$ -	\$ 158,060	\$ 1,980	\$ 2,930	\$ 460,502	\$ 4,813
1230	MANNING RD	PVC	DistMain	SS154	200	18.1	1989	80	26	54	\$ 8,760	\$ -	\$ 8,760	\$ 110	\$ 170	\$ 25,522	\$ 267
1231	MANNING RD	PVC	DistMain	SS154	200	754.3	1989	80	26	54	\$ 364,300	\$ 4,950	\$ 369,250	\$ 4,620	\$ 6,840	\$ 1,075,796	\$ 11,244
1232	COUNTY RD 42	DI	DistMain	SS153	200	16.1	1987	60	28	32	\$ 7,830	\$ -	\$ 7,830	\$ 100	\$ 250	\$ 14,756	\$ 334

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1233	COUNTY RD 42	DI	DistMain	SS153	200	16.1	1989	60	26	34	\$ 7,830	\$ -	\$ 7,830	\$ 100	\$ 240	\$ 15,352	\$ 320
1234	MANNING RD	DI	DistMain	SS154	200	66.0	1987	60	28	32	\$ 31,920	\$ -	\$ 31,920	\$ 400	\$ 1,000	\$ 60,155	\$ 1,360
1235	MANNING RD	PVC	DistMain	SS154	200	52.2	1989	80	26	54	\$ 25,230	\$ -	\$ 25,230	\$ 320	\$ 470	\$ 73,507	\$ 768
1236	ST ANNE ST	CI	DistMain	SS056	150	527.1	1962	60	53	7	\$ 214,380	\$ -	\$ 214,380	\$ 2,680	\$ 30,630	\$ 246,255	\$ 33,124
1237	ST ANNE ST	PVC	DistMain	SS056	150	1.4	1990	80	25	55	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,842	\$ 19
1238	NORTH PACIFIC AVE	PVC	Trunk	SS055	300	175.6	1990	80	25	55	\$ 94,840	\$ -	\$ 94,840	\$ 1,190	\$ 1,730	\$ 281,839	\$ 2,859
1239	SOUTH PACIFIC AVE	PVC	Trunk	SS143	300	28.8	1990	80	25	55	\$ 15,550	\$ -	\$ 15,550	\$ 200	\$ 290	\$ 46,210	\$ 469
1240	SOUTH PACIFIC AVE	PVC	Trunk	SS143	300	53.7	1990	80	25	55	\$ 29,040	\$ -	\$ 29,040	\$ 370	\$ 530	\$ 86,299	\$ 875
1241	SOUTH PACIFIC AVE	PVC	Trunk	SS143	300	81.1	1990	80	25	55	\$ 43,770	\$ -	\$ 43,770	\$ 550	\$ 800	\$ 130,073	\$ 1,319
1242	ST ALPHONSE ST	PVC	DistMain	SS128	150	260.0	2002	80	13	67	\$ 105,750	\$ 24,510	\$ 130,260	\$ 1,630	\$ 1,950	\$ 490,933	\$ 3,546
1244	ST ALPHONSE ST	PVC	DistMain	SS128	150	0.8	1994	80	21	59	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,351	\$ 12
1246	SHIELDS RD	PVC	Trunk	SS137	300	1.1	1994	80	21	59	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,994	\$ 18
1247	SHIELDS RD	PVC	Trunk	SS137	300	101.0	1990	80	25	55	\$ 54,580	\$ 12,260	\$ 66,840	\$ 840	\$ 1,220	\$ 198,630	\$ 2,015
1248	DOCHERTY DR	PVC	Trunk	SS138	300	298.5	1990	80	25	55	\$ 161,040	\$ 56,220	\$ 217,260	\$ 2,720	\$ 3,960	\$ 645,638	\$ 6,549
1249	DOCHERTY DR	PVC	Trunk	SS138	300	69.9	1990	80	25	55	\$ 37,790	\$ 14,730	\$ 52,520	\$ 660	\$ 960	\$ 156,075	\$ 1,583
1250	DOCHERTY DR	PVC	DistMain	SS140	200	59.3	1990	80	25	55	\$ 28,730	\$ -	\$ 28,730	\$ 360	\$ 530	\$ 85,378	\$ 866
1251	SOUTH PACIFIC AVE	PVC	Trunk	SS143	300	24.2	2003	80	12	68	\$ 13,080	\$ -	\$ 13,080	\$ 170	\$ 200	\$ 50,283	\$ 354
1252	SOUTH PACIFIC AVE	PVC	Trunk	SS143	300	6.9	1990	80	25	55	\$ 3,810	\$ -	\$ 3,810	\$ 50	\$ 70	\$ 11,322	\$ 115
1253	HOLMES CRT	PVC	Trunk	SS139	300	270.6	1990	80	25	55	\$ 146,010	\$ 34,290	\$ 180,300	\$ 2,260	\$ 3,280	\$ 535,803	\$ 5,435
1254	JILLIAN RD	PVC	DistMain	SS124	150	79.4	2002	80	13	67	\$ 32,340	\$ 17,200	\$ 49,540	\$ 620	\$ 740	\$ 186,710	\$ 1,349
1255	ST ALPHONSE ST	PVC	Trunk	SS125	300	242.5	1994	80	21	59	\$ 130,880	\$ 19,570	\$ 150,450	\$ 1,890	\$ 2,550	\$ 483,952	\$ 4,366
1256	ST ALPHONSE ST	PVC	Trunk	SS123	300	193.8	1994	80	21	59	\$ 104,620	\$ 24,510	\$ 129,130	\$ 1,620	\$ 2,190	\$ 415,372	\$ 3,748
1257	COUNTY RD 42	PVC	Trunk	SS133	300	4.9	1994	80	21	59	\$ 2,680	\$ -	\$ 2,680	\$ 40	\$ 50	\$ 8,621	\$ 78
1258	MANNING RD	DI	DistMain	SS182	150	5.8	1986	60	29	31	\$ 2,370	\$ -	\$ 2,370	\$ 30	\$ 80	\$ 4,379	\$ 103
1259	MANNING RD	DI	DistMain	SS182	200	10.9	1986	60	29	31	\$ 5,260	\$ -	\$ 5,260	\$ 70	\$ 170	\$ 9,718	\$ 229
1260	MANNING RD	PVC	DistMain	SS182	200	258.6	1986	80	29	51	\$ 124,900	\$ 7,420	\$ 132,320	\$ 1,660	\$ 2,600	\$ 363,274	\$ 4,163
1261	MANNING RD	PVC	DistMain	SS182	200	23.2	1986	80	29	51	\$ 11,230	\$ -	\$ 11,230	\$ 150	\$ 230	\$ 30,831	\$ 353
1262	MANNING RD	PVC	DistMain	SS182	200	60.9	1986	80	29	51	\$ 29,450	\$ 2,480	\$ 31,930	\$ 400	\$ 630	\$ 87,661	\$ 1,004
1263	MANNING RD	PVC	DistMain	SS182	150	26.4	1998	80	17	63	\$ 10,820	\$ -	\$ 10,820	\$ 140	\$ 180	\$ 37,674	\$ 304
1264	MANNING RD	PVC	DistMain	SS182	150	3.1	1998	80	17	63	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 30	\$ 4,666	\$ 38
1265	MANNING RD	PVC	DistMain	SS182	200	281.7	1998	80	17	63	\$ 136,020	\$ -	\$ 136,020	\$ 1,710	\$ 2,160	\$ 473,602	\$ 3,817
1270	COUNTY RD 42	DI	DistMain	SS145	150	1.5	1993	60	22	38	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,316	\$ 23
1271	COUNTY RD 42	DI	DistMain	SS153	150	318.4	1974	60	41	19	\$ 129,540	\$ 19,570	\$ 149,110	\$ 1,870	\$ 7,850	\$ 217,225	\$ 9,510
1272	COUNTY RD 42	DI	DistMain	SS145	150	166.6	1974	60	41	19	\$ 67,760	\$ 9,790	\$ 77,550	\$ 970	\$ 4,090	\$ 112,976	\$ 4,946
1273	COUNTY RD 42	PVC	DistMain	SS145	250	20.8	2003	80	12	68	\$ 10,610	\$ -	\$ 10,610	\$ 140	\$ 160	\$ 40,787	\$ 287
1275	GOUIN ST	CI	DistMain	SS037	150	124.3	1962	60	53	7	\$ 50,660	\$ 2,480	\$ 53,140	\$ 670	\$ 7,600	\$ 61,041	\$ 8,211
1276	ST ANNE ST	CI	DistMain	SS031	150	344.4	1962	60	53	7	\$ 140,140	\$ -	\$ 140,140	\$ 1,760	\$ 20,020	\$ 160,977	\$ 21,653
1277	ST ANNE ST	CI	DistMain	SS029	150	334.8	1962	60	53	7	\$ 136,230	\$ 4,950	\$ 141,180	\$ 1,770	\$ 20,170	\$ 162,171	\$ 21,814
1278	INTERSECTION RD	CI	DistMain	SS028	150	40.2	1962	60	53	7	\$ 16,380	\$ -	\$ 16,380	\$ 210	\$ 2,340	\$ 18,815	\$ 2,531
1279	INTERSECTION RD	CI	DistMain	SS028	150	169.2	1969	60	46	14	\$ 68,890	\$ -	\$ 68,890	\$ 870	\$ 4,930	\$ 90,899	\$ 5,690
1280	MURRAY CRES	PVC	DistMain	SS058	150	76.9	1989	80	26	54	\$ 31,310	\$ 12,260	\$ 43,570	\$ 550	\$ 810	\$ 126,940	\$ 1,327
1281	MURRAY CRES	PVC	DistMain	SS058	150	320.1	1989	80	26	54	\$ 130,260	\$ 70,950	\$ 201,210	\$ 2,520	\$ 3,730	\$ 586,218	\$ 6,127
1282	NORTH PACIFIC AVE	PVC	Trunk	SS059	300	77.2	1989	80	26	54	\$ 41,710	\$ 12,260	\$ 53,970	\$ 680	\$ 1,000	\$ 157,240	\$ 1,644
1283	NORTH PACIFIC AVE	PVC	Trunk	SS057	300	64.0	1989	80	26	54	\$ 34,600	\$ 9,790	\$ 44,390	\$ 560	\$ 830	\$ 129,329	\$ 1,352
1284	NORTH PACIFIC AVE	PVC	Trunk	SS057	300	190.2	1990	80	25	55	\$ 102,660	\$ -	\$ 102,660	\$ 1,290	\$ 1,870	\$ 305,078	\$ 3,095
1285	INTERSECTION RD	PVC	DistMain	SS006	150	1.3	1987	80	28	52	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,736	\$ 19
1286	INTERSECTION RD	PVC	DistMain	SS006	200	92.5	1987	80	28	52	\$ 44,690	\$ 4,950	\$ 49,640	\$ 630	\$ 960	\$ 139,008	\$ 1,544
1287	INTERSECTION RD	PVC	DistMain	SS006	200	678.3	1987	80	28	52	\$ 327,640	\$ 19,570	\$ 347,210	\$ 4,350	\$ 6,680	\$ 972,302	\$ 10,801
1288	COUNTY RD 42	PVC	DistMain	SS119	200	1.1	2000	80	15	65	\$ 620	\$ -	\$ 620	\$ 10	\$ 10	\$ 2,246	\$ 17
1289	ODESSA DR	PVC	DistMain	SS118	200	138.8	1991	80	24	56	\$ 67,040	\$ -	\$ 67,040	\$ 840	\$ 1,200	\$ 203,209	\$ 2,001
1290	COUNTY RD 42	PVC	DistMain	SS117	200	58.8	2000	80	15	65	\$ 28,420	\$ 2,480	\$ 30,900	\$ 390	\$ 480	\$ 111,936	\$ 854

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1291	COUNTY RD 42	PVC	DistMain	SS119	200	117.3	2000	80	15	65	\$ 56,740	\$ 2,480	\$ 59,220	\$ 750	\$ 920	\$ 214,526	\$ 1,636
1292	BANWELL RD	PVC	DistMain	SS116	200	274.7	1985	80	30	50	\$ 132,730	\$ 12,260	\$ 144,990	\$ 1,820	\$ 2,900	\$ 390,253	\$ 4,614
1293	BANWELL RD	PVC	DistMain	SS116	200	825.4	2000	80	15	65	\$ 398,690	\$ -	\$ 398,690	\$ 4,990	\$ 6,140	\$ 1,444,264	\$ 11,014
1294	COUNTY RD 42	PVC	DistMain	SS117	200	549.0	1978	80	37	43	\$ 265,140	\$ 17,200	\$ 282,340	\$ 3,530	\$ 6,570	\$ 661,576	\$ 9,851
1295	COUNTY RD 42	PVC	DistMain	SS117	200	2.4	1978	80	37	43	\$ 1,240	\$ -	\$ 1,240	\$ 20	\$ 30	\$ 2,906	\$ 43
1296	COUNTY RD 42	DI	DistMain	SS115	200	11.6	1978	60	37	23	\$ 5,670	\$ -	\$ 5,670	\$ 80	\$ 250	\$ 8,941	\$ 310
1297	COUNTY RD 42	PVC	DistMain	SS115	200	177.6	1978	80	37	43	\$ 85,780	\$ 17,200	\$ 102,980	\$ 1,290	\$ 2,400	\$ 241,302	\$ 3,593
1304	BASELINE RD	PVC	DistMain	SS164	200	681.1	1999	80	16	64	\$ 328,980	\$ 17,200	\$ 346,180	\$ 4,330	\$ 5,410	\$ 1,229,456	\$ 9,637
1305	11TH CON RD	PVC	DistMain	SS165	150	143.6	1991	80	24	56	\$ 58,490	\$ 12,260	\$ 70,750	\$ 890	\$ 1,270	\$ 214,455	\$ 2,112
1306	11TH CON RD	PVC	DistMain	SS165	200	482.1	1996	80	19	61	\$ 232,810	\$ 2,480	\$ 235,290	\$ 2,950	\$ 3,860	\$ 787,434	\$ 6,711
1307	11TH CON RD	PVC	DistMain	SS165	200	190.6	1998	80	17	63	\$ 92,060	\$ 9,790	\$ 101,850	\$ 1,280	\$ 1,620	\$ 354,627	\$ 2,858
1308	11TH CON RD	PVC	DistMain	SS165	200	880.9	1999	80	16	64	\$ 425,460	\$ 19,570	\$ 445,030	\$ 5,570	\$ 6,960	\$ 1,580,521	\$ 12,389
1309	BASELINE RD	PVC	DistMain	SS166	200	2.7	1999	80	16	64	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 30	\$ 4,759	\$ 37
1310	11TH CON RD	PVC	DistMain	SS196	200	322.4	1999	80	16	64	\$ 155,790	\$ 9,790	\$ 165,580	\$ 2,070	\$ 2,590	\$ 588,056	\$ 4,610
1311	SHIFF DR	PVC	DistMain	SS180	200	73.5	1994	80	21	59	\$ 35,530	\$ -	\$ 35,530	\$ 450	\$ 610	\$ 114,289	\$ 1,031
1312	SHIFF DR	PVC	DistMain	SS179	200	69.4	1994	80	21	59	\$ 33,570	\$ 7,420	\$ 40,990	\$ 520	\$ 700	\$ 131,852	\$ 1,190
1313	SHIFF DR	PVC	DistMain	SS179	150	4.2	1994	80	21	59	\$ 1,760	\$ -	\$ 1,760	\$ 30	\$ 30	\$ 5,661	\$ 51
1314	SHIFF DR	PVC	DistMain	SS176	150	57.6	1994	80	21	59	\$ 23,480	\$ 12,260	\$ 35,740	\$ 450	\$ 610	\$ 114,965	\$ 1,037
1315	SHIFF DR	PVC	DistMain	SS178	150	90.2	1994	80	21	59	\$ 36,760	\$ 17,200	\$ 53,960	\$ 680	\$ 920	\$ 173,573	\$ 1,566
1316	SHIFF DR	PVC	DistMain	SS178	150	96.1	1994	80	21	59	\$ 39,130	\$ 31,820	\$ 70,950	\$ 890	\$ 1,210	\$ 228,225	\$ 2,059
1317	GREEN CRT	PVC	DistMain	SS177	150	3.4	1994	80	21	59	\$ 1,450	\$ -	\$ 1,450	\$ 20	\$ 30	\$ 4,664	\$ 42
1318	GREEN CRT	PVC	DistMain	SS177	150	153.5	1996	80	19	61	\$ 62,510	\$ 44,070	\$ 106,580	\$ 1,340	\$ 1,750	\$ 356,686	\$ 3,040
1319	CRANBROOK CRES	PVC	DistMain	SS174	150	19.7	1994	80	21	59	\$ 8,040	\$ -	\$ 8,040	\$ 110	\$ 140	\$ 25,862	\$ 233
1320	CRANBROOK CRES	PVC	DistMain	SS174	150	287.3	1997	80	18	62	\$ 116,870	\$ 66,010	\$ 182,880	\$ 2,290	\$ 2,950	\$ 624,276	\$ 5,173
1321	CRANBROOK CRES	PVC	DistMain	SS174	150	181.8	1997	80	18	62	\$ 74,040	\$ 41,600	\$ 115,640	\$ 1,450	\$ 1,870	\$ 394,747	\$ 3,271
1322	EMMA MARIA CRES	PVC	DistMain	SS173	150	17.5	1994	80	21	59	\$ 7,110	\$ 2,480	\$ 9,590	\$ 120	\$ 170	\$ 30,848	\$ 278
1323	CRANBROOK CRES	PVC	DistMain	SS175	150	17.8	1994	80	21	59	\$ 7,320	\$ -	\$ 7,320	\$ 100	\$ 130	\$ 23,546	\$ 212
1324	CRANBROOK CRES	PVC	DistMain	SS175	150	87.9	1994	80	21	59	\$ 35,840	\$ 12,260	\$ 48,100	\$ 610	\$ 820	\$ 154,723	\$ 1,396
1325	LE BOEUF AVE	PVC	DistMain	SS121	150	182.6	2000	80	15	65	\$ 74,350	\$ 39,130	\$ 113,480	\$ 1,420	\$ 1,750	\$ 411,084	\$ 3,135
1326	LE BOEUF AVE	PVC	DistMain	SS121	150	97.5	2000	80	15	65	\$ 39,750	\$ 4,950	\$ 44,700	\$ 560	\$ 690	\$ 161,927	\$ 1,235
1327	COUNTY RD 42	PVC	Trunk	SS122	300	99.7	1994	80	21	59	\$ 53,860	\$ 2,480	\$ 56,340	\$ 710	\$ 960	\$ 181,229	\$ 1,635
1328	COUNTY RD 42	PVC	Trunk	SS120	300	92.0	1994	80	21	59	\$ 49,740	\$ 2,480	\$ 52,220	\$ 660	\$ 890	\$ 167,976	\$ 1,516
1329	COUNTY RD 42	PVC	Trunk	SS119	300	107.4	1994	80	21	59	\$ 57,980	\$ -	\$ 57,980	\$ 730	\$ 990	\$ 186,504	\$ 1,683
1330	COUNTY RD 42	PVC	DistMain	SS117	200	2.9	2000	80	15	65	\$ 1,450	\$ -	\$ 1,450	\$ 20	\$ 30	\$ 5,253	\$ 40
1331	HEBERT ST	PVC	DistMain	SS027	150	187.8	1987	80	28	52	\$ 76,410	\$ 34,290	\$ 110,700	\$ 1,390	\$ 2,130	\$ 309,996	\$ 3,444
1332	HEBERT ST	PVC	Trunk	SS025	300	553.9	1987	80	28	52	\$ 298,920	\$ 100,190	\$ 399,110	\$ 4,990	\$ 7,680	\$ 1,117,639	\$ 12,416
1333	GOUIN ST	PVC	DistMain	SS032	200	190.8	1987	80	28	52	\$ 92,160	\$ -	\$ 92,160	\$ 1,160	\$ 1,780	\$ 258,078	\$ 2,867
1334	GOUIN ST	PVC	DistMain	SS032	150	2.1	1987	80	28	52	\$ 930	\$ -	\$ 930	\$ 20	\$ 20	\$ 2,604	\$ 29
1335	SHAWNEE RD	CI	DistMain	SS011	150	0.4	1987	60	28	32	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 396	\$ 9
1336	GOUIN ST	PVC	DistMain	SS024	200	126.4	1987	80	28	52	\$ 61,170	\$ 2,480	\$ 63,650	\$ 800	\$ 1,230	\$ 178,241	\$ 1,980
1337	HEBERT ST	PVC	Trunk	SS023	300	9.5	1987	80	28	52	\$ 5,260	\$ -	\$ 5,260	\$ 70	\$ 110	\$ 14,730	\$ 164
1338	HEBERT ST	PVC	Trunk	SS023	300	320.3	1990	80	25	55	\$ 172,890	\$ 61,170	\$ 234,060	\$ 2,930	\$ 4,260	\$ 695,563	\$ 7,055
1339	HEBERT ST	PVC	Trunk	SS021	300	357.1	1990	80	25	55	\$ 192,660	\$ 63,540	\$ 256,200	\$ 3,210	\$ 4,660	\$ 761,357	\$ 7,723
1340	HEBERT ST	PVC	DistMain	SS021	150	2.3	1990	80	25	55	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 20	\$ 3,061	\$ 31
1341	INTERSECTION RD	PVC	DistMain	SS028	150	150.5	1970	80	45	35	\$ 61,270	\$ 9,790	\$ 71,060	\$ 890	\$ 2,040	\$ 142,112	\$ 2,843
1342	INTERSECTION RD	PVC	Trunk	SS020	300	0.7	1989	80	26	54	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,224	\$ 13
1343	INTERSECTION RD	PVC	DistMain	SS020	150	126.0	1970	80	45	35	\$ 51,280	\$ 2,480	\$ 53,760	\$ 680	\$ 1,540	\$ 107,514	\$ 2,151
1344	INTERSECTION RD	PVC	Trunk	SS006	300	43.4	1989	80	26	54	\$ 23,480	\$ -	\$ 23,480	\$ 300	\$ 440	\$ 68,408	\$ 715
1345	SHAWNEE RD	PVC	Trunk	SS061	300	111.9	1989	80	26	54	\$ 60,450	\$ 17,200	\$ 77,650	\$ 980	\$ 1,440	\$ 226,230	\$ 2,365
1346	SHAWNEE RD	PVC	Trunk	SS060	300	305.0	1989	80	26	54	\$ 164,650	\$ 68,480	\$ 233,130	\$ 2,920	\$ 4,320	\$ 679,215	\$ 7,099
1348	GOUIN ST	PVC	DistMain	SS012	200	200.3	1998	80	17	63	\$ 96,790	\$ 19,570	\$ 116,360	\$ 1,460	\$ 1,850	\$ 405,149	\$ 3,265

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1349	CORBI LANE	PVC	DistMain	SS010	200	315.3	1998	80	17	63	\$ 152,290	\$ 68,480	\$ 220,770	\$ 2,760	\$ 3,510	\$ 768,689	\$ 6,194
1350	CANDLEWOOD DR	PVC	DistMain	SS087	150	157.3	2006	80	9	71	\$ 64,050	\$ 26,880	\$ 90,930	\$ 1,140	\$ 1,290	\$ 370,953	\$ 2,409
1351	DESLIPPE DR	PVC	DistMain	SS088	150	32.3	1990	80	25	55	\$ 13,180	\$ -	\$ 13,180	\$ 170	\$ 240	\$ 39,167	\$ 397
1352	CANDLEWOOD DR	PVC	DistMain	SS086	150	91.0	1990	80	25	55	\$ 37,070	\$ 14,730	\$ 51,800	\$ 650	\$ 950	\$ 153,936	\$ 1,561
1353	VICKERY LANE	PVC	DistMain	SS084	150	198.9	1990	80	25	55	\$ 80,940	\$ 29,350	\$ 110,290	\$ 1,380	\$ 2,010	\$ 327,752	\$ 3,325
1354	ST AGNES DR	PVC	DistMain	SS079	150	29.3	1990	80	25	55	\$ 11,950	\$ -	\$ 11,950	\$ 150	\$ 220	\$ 35,512	\$ 360
1355	VERDANT CRT	PVC	DistMain	SS080	150	38.8	1990	80	25	55	\$ 15,860	\$ 12,260	\$ 28,120	\$ 360	\$ 520	\$ 83,565	\$ 848
1356	ST AGNES DR	PVC	DistMain	SS081	150	71.5	1990	80	25	55	\$ 29,140	\$ 7,420	\$ 36,560	\$ 460	\$ 670	\$ 108,646	\$ 1,102
1357	CHARLENE LANE	DI	DistMain	SS078	150	98.2	1980	60	35	25	\$ 39,960	\$ 7,420	\$ 47,380	\$ 600	\$ 1,900	\$ 77,732	\$ 2,427
1358	ST AGNES DR	DI	DistMain	SS079	150	166.1	1980	60	35	25	\$ 67,650	\$ 26,880	\$ 94,530	\$ 1,190	\$ 3,790	\$ 155,086	\$ 4,842
1359	CHARLENE LANE	DI	DistMain	SS075	150	79.0	1980	60	35	25	\$ 32,230	\$ 9,790	\$ 42,020	\$ 530	\$ 1,690	\$ 68,938	\$ 2,152
1360	CHARLENE LANE	PVC	DistMain	SS075	150	228.4	1992	80	23	57	\$ 92,980	\$ 41,600	\$ 134,580	\$ 1,690	\$ 2,370	\$ 416,093	\$ 3,978
1361	CHARLENE LANE	PVC	DistMain	SS073	150	187.0	1992	80	23	57	\$ 76,100	\$ 26,880	\$ 102,980	\$ 1,290	\$ 1,810	\$ 318,392	\$ 3,044
1362	EUGENI ST	PVC	DistMain	SS074	150	346.4	1992	80	23	57	\$ 140,970	\$ 46,440	\$ 187,410	\$ 2,350	\$ 3,290	\$ 579,432	\$ 5,540
1363	MECONI DR	DI	DistMain	SS063	150	191.8	1980	60	35	25	\$ 78,050	\$ 29,350	\$ 107,400	\$ 1,350	\$ 4,300	\$ 176,201	\$ 5,501
1364	MECONI DR	DI	DistMain	SS071	150	11.9	1980	60	35	25	\$ 4,950	\$ 2,480	\$ 7,430	\$ 100	\$ 300	\$ 12,190	\$ 381
1365	MECONI DR	PVC	DistMain	SS071	150	135.0	1992	80	23	57	\$ 54,990	\$ 22,040	\$ 77,030	\$ 970	\$ 1,360	\$ 238,160	\$ 2,277
1366	ROXANNE CRES	DI	DistMain	SS068	150	91.3	1980	60	35	25	\$ 37,180	\$ 2,480	\$ 39,660	\$ 500	\$ 1,590	\$ 65,066	\$ 2,031
1367	ROXANNE CRES	DI	DistMain	SS069	150	172.0	1980	60	35	25	\$ 70,020	\$ 24,510	\$ 94,530	\$ 1,190	\$ 3,790	\$ 155,086	\$ 4,842
1368	ST MARTIN CRES	DI	DistMain	SS070	150	379.9	1980	60	35	25	\$ 154,560	\$ 53,750	\$ 208,310	\$ 2,610	\$ 8,340	\$ 341,755	\$ 10,670
1369	FUNARO CRES	DI	DistMain	SS064	150	10.5	1980	60	35	25	\$ 4,330	\$ -	\$ 4,330	\$ 60	\$ 180	\$ 7,104	\$ 222
1370	FUNARO CRES	PVC	DistMain	SS064	150	89.0	1988	80	27	53	\$ 36,250	\$ 2,480	\$ 38,730	\$ 490	\$ 740	\$ 110,626	\$ 1,192
1371	FUNARO CRES	PVC	DistMain	SS065	150	12.3	1989	80	26	54	\$ 5,050	\$ 2,480	\$ 7,530	\$ 100	\$ 140	\$ 21,938	\$ 229
1372	FUNARO CRES	PVC	DistMain	SS066	150	225.9	1989	80	26	54	\$ 91,950	\$ 41,600	\$ 133,550	\$ 1,670	\$ 2,480	\$ 389,093	\$ 4,067
1373	FUNARO CRES	PVC	DistMain	SS065	150	135.9	1992	80	23	57	\$ 55,300	\$ 22,040	\$ 77,340	\$ 970	\$ 1,360	\$ 239,119	\$ 2,286
1374	EMMA MARIA CRES	PVC	DistMain	SS173	150	21.7	1996	80	19	61	\$ 8,860	\$ 2,480	\$ 11,340	\$ 150	\$ 190	\$ 37,951	\$ 323
1375	EMMA MARIA CRES	PVC	DistMain	SS173	150	74.9	1996	80	19	61	\$ 30,480	\$ 7,420	\$ 37,900	\$ 480	\$ 630	\$ 126,838	\$ 1,081
1376	EMMA MARIA CRES	PVC	DistMain	SS172	150	20.9	1996	80	19	61	\$ 8,550	\$ 2,480	\$ 11,030	\$ 140	\$ 190	\$ 36,914	\$ 315
1377	EMMA MARIA CRES	PVC	DistMain	SS172	150	290.7	1998	80	17	63	\$ 118,310	\$ 46,440	\$ 164,750	\$ 2,060	\$ 2,620	\$ 573,636	\$ 4,623
1378	DIMU DR	PVC	DistMain	SS171	150	155.7	1996	80	19	61	\$ 63,430	\$ 34,290	\$ 97,720	\$ 1,230	\$ 1,610	\$ 327,035	\$ 2,787
1379	DIMU DR	PVC	DistMain	SS170	150	95.5	1996	80	19	61	\$ 38,930	\$ 7,420	\$ 46,350	\$ 580	\$ 760	\$ 155,117	\$ 1,322
1380	WILDBERRY CRES	PVC	DistMain	SS152	150	123.1	1993	80	22	58	\$ 50,150	\$ 4,950	\$ 55,100	\$ 690	\$ 950	\$ 173,765	\$ 1,614
1381	WILDBERRY CRES	PVC	DistMain	SS150	200	101.6	1993	80	22	58	\$ 49,120	\$ 4,950	\$ 54,070	\$ 680	\$ 940	\$ 170,516	\$ 1,584
1382	BLUEBERRY CRT	PVC	DistMain	SS151	150	87.5	1993	80	22	58	\$ 35,630	\$ 9,790	\$ 45,420	\$ 570	\$ 790	\$ 143,238	\$ 1,330
1383	STRAWBERRY DR	PVC	DistMain	SS149	200	5.9	1993	80	22	58	\$ 2,890	\$ -	\$ 2,890	\$ 40	\$ 50	\$ 9,114	\$ 85
1384	STRAWBERRY DR	PVC	DistMain	SS149	200	1.5	1993	80	22	58	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 2,302	\$ 21
1385	STRAWBERRY DR	PVC	DistMain	SS149	150	230.6	1993	80	22	58	\$ 93,810	\$ 61,170	\$ 154,980	\$ 1,940	\$ 2,680	\$ 488,749	\$ 4,539
1386	WILDBERRY CRES	PVC	DistMain	SS148	150	129.2	1993	80	22	58	\$ 52,620	\$ 31,820	\$ 84,440	\$ 1,060	\$ 1,460	\$ 266,292	\$ 2,473
1387	WILDBERRY CRES	PVC	DistMain	SS148	150	238.9	1993	80	22	58	\$ 97,210	\$ 56,220	\$ 153,430	\$ 1,920	\$ 2,650	\$ 483,861	\$ 4,493
1388	STRAWBERRY DR	PVC	DistMain	SS147	200	1.6	1993	80	22	58	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 2,618	\$ 24
1389	STRAWBERRY DR	PVC	DistMain	SS147	200	221.3	1993	80	22	58	\$ 106,880	\$ 48,910	\$ 155,790	\$ 1,950	\$ 2,690	\$ 491,303	\$ 4,563
1390	STRAWBERRY DR	PVC	DistMain	SS146	200	122.4	1993	80	22	58	\$ 59,110	\$ 26,880	\$ 85,990	\$ 1,080	\$ 1,490	\$ 271,180	\$ 2,518
1391	KAVANAGH DR	PVC	DistMain	SS014	150	83.3	1989	80	26	54	\$ 33,880	\$ 4,950	\$ 38,830	\$ 490	\$ 720	\$ 113,130	\$ 1,182
1392	KAVANAGH DR	PVC	DistMain	SS017	150	97.2	1989	80	26	54	\$ 39,540	\$ 7,420	\$ 46,960	\$ 590	\$ 870	\$ 136,816	\$ 1,430
1393	KAVANAGH DR	PVC	DistMain	SS016	150	73.0	1989	80	26	54	\$ 29,760	\$ 12,260	\$ 42,020	\$ 530	\$ 780	\$ 122,424	\$ 1,280
1394	MAYRAND CRES	PVC	DistMain	SS015	150	195.1	1989	80	26	54	\$ 79,390	\$ 22,040	\$ 101,430	\$ 1,270	\$ 1,880	\$ 295,512	\$ 3,089
1395	MAYRAND CRES	PVC	DistMain	SS015	150	193.3	1989	80	26	54	\$ 78,670	\$ 29,350	\$ 108,020	\$ 1,360	\$ 2,010	\$ 314,712	\$ 3,289
1396	FUNARO CRES	PVC	DistMain	SS066	150	246.2	1992	80	23	57	\$ 100,190	\$ 44,070	\$ 144,260	\$ 1,810	\$ 2,540	\$ 446,021	\$ 4,264
1397	CHARLENE LANE	PVC	DistMain	SS072	150	86.6	1992	80	23	57	\$ 35,220	\$ 9,790	\$ 45,010	\$ 570	\$ 790	\$ 139,161	\$ 1,331
1398	CHARLENE LANE	PVC	DistMain	SS072	150	1.4	1992	80	23	57	\$ 620	\$ -	\$ 620	\$ 10	\$ 20	\$ 1,917	\$ 18
1399	FUNARO CRES	PVC	DistMain	SS067	150	95.6	1992	80	23	57	\$ 38,930	\$ 12,260	\$ 51,190	\$ 640	\$ 900	\$ 158,269	\$ 1,513

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1400	GOUIN ST	PVC	DistMain	SS024	200	0.6	1998	80	17	63	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,079	\$ 9
1401	MAISONNEUVE ST	PVC	DistMain	SS008	200	13.5	1999	80	16	64	\$ 6,590	\$ -	\$ 6,590	\$ 90	\$ 110	\$ 23,404	\$ 183
1402	CORBI LANE	PVC	DistMain	SS009	200	1.5	1999	80	16	64	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 2,948	\$ 23
1403	MAISONNEUVE ST	PVC	DistMain	SS008	200	40.2	1997	80	18	62	\$ 19,470	\$ -	\$ 19,470	\$ 250	\$ 320	\$ 66,462	\$ 551
1404	MAISONNEUVE ST	PVC	DistMain	SS008	150	122.5	1992	80	23	57	\$ 49,840	\$ -	\$ 49,840	\$ 630	\$ 880	\$ 154,095	\$ 1,473
1405	CORBI LANE	PVC	DistMain	SS009	150	266.2	1999	80	16	64	\$ 108,330	\$ 63,540	\$ 171,870	\$ 2,150	\$ 2,690	\$ 610,395	\$ 4,785
1406	SHAWNEE RD	CI	DistMain	SS019	150	254.9	1955	60	60	0	\$ 103,690	\$ -	\$ 103,690	\$ 1,300	\$ 1,300	\$ 505,534	\$ 2,609
1407	SHAWNEE RD	CI	DistMain	SS018	150	279.6	1955	60	60	0	\$ 113,780	\$ 2,480	\$ 116,260	\$ 1,460	\$ 1,460	\$ 566,819	\$ 2,925
1408	SHAWNEE RD	CI	DistMain	SS013	150	270.8	1955	60	60	0	\$ 110,180	\$ 9,790	\$ 119,970	\$ 1,500	\$ 1,500	\$ 584,906	\$ 3,019
1409	SHAWNEE RD	CI	DistMain	SS011	150	314.5	1955	60	60	0	\$ 127,990	\$ 17,200	\$ 145,190	\$ 1,820	\$ 1,820	\$ 707,865	\$ 3,653
1410	SHAWNEE RD	CI	DistMain	SS007	150	366.9	1955	60	60	0	\$ 149,310	\$ 9,790	\$ 159,100	\$ 1,990	\$ 1,990	\$ 775,682	\$ 4,003
1411	SHAWNEE RD	PVC	DistMain	SS007	150	14.5	1987	80	28	52	\$ 5,980	\$ -	\$ 5,980	\$ 80	\$ 120	\$ 16,746	\$ 186
1412	SYLVESTRE DR	PVC	DistMain	SS098	200	314.4	1995	80	20	60	\$ 151,880	\$ 24,510	\$ 176,390	\$ 2,210	\$ 2,940	\$ 578,741	\$ 5,074
1413	JAMSYL DR	PVC	DistMain	SS097	200	459.5	1995	80	20	60	\$ 222,000	\$ 26,880	\$ 248,880	\$ 3,120	\$ 4,150	\$ 816,583	\$ 7,160
1414	SYLVESTRE DR	PVC	DistMain	SS095	150	239.8	1995	80	20	60	\$ 97,620	\$ 9,790	\$ 107,410	\$ 1,350	\$ 1,800	\$ 352,416	\$ 3,090
1415	SYLVESTRE DR	PVC	DistMain	SS095	150	143.7	1995	80	20	60	\$ 58,490	\$ 9,790	\$ 68,280	\$ 860	\$ 1,140	\$ 224,029	\$ 1,964
1416	GOUIN ST	PVC	DistMain	SS089	250	119.3	1997	80	18	62	\$ 60,650	\$ 7,420	\$ 68,070	\$ 860	\$ 1,100	\$ 232,363	\$ 1,925
1417	DESLIPPE DR	PVC	DistMain	SS090	150	91.7	1997	80	18	62	\$ 37,380	\$ 14,730	\$ 52,110	\$ 660	\$ 850	\$ 177,882	\$ 1,474
1418	DESLIPPE DR	PVC	DistMain	SS088	150	239.1	1997	80	18	62	\$ 97,310	\$ 51,390	\$ 148,700	\$ 1,860	\$ 2,400	\$ 507,600	\$ 4,206
1419	DESLIPPE DR	PVC	DistMain	SS088	150	65.5	1997	80	18	62	\$ 26,670	\$ 9,790	\$ 36,460	\$ 460	\$ 590	\$ 124,459	\$ 1,031
1420	DESLIPPE DR	PVC	DistMain	SS088	150	61.5	1997	80	18	62	\$ 25,030	\$ -	\$ 25,030	\$ 320	\$ 410	\$ 85,442	\$ 708
1421	CANDLEWOOD DR	PVC	DistMain	SS085	150	89.5	1990	80	25	55	\$ 36,460	\$ 4,950	\$ 41,410	\$ 520	\$ 760	\$ 123,059	\$ 1,248
1422	LESSARD ST	PVC	DistMain	SS043	150	176.0	1987	80	28	52	\$ 71,670	\$ 26,880	\$ 98,550	\$ 1,240	\$ 1,900	\$ 275,972	\$ 3,066
1423	CALVARY CRT	PVC	DistMain	SS040	150	120.1	1999	80	16	64	\$ 48,910	\$ 12,260	\$ 61,170	\$ 770	\$ 960	\$ 217,245	\$ 1,703
1424	CALVARY CRT	PVC	DistMain	SS040	150	79.0	1993	80	22	58	\$ 32,230	\$ 22,040	\$ 54,270	\$ 680	\$ 940	\$ 171,147	\$ 1,589
1425	CALVARY CRT	PVC	DistMain	SS040	150	103.9	1997	80	18	62	\$ 42,320	\$ 24,510	\$ 66,830	\$ 840	\$ 1,080	\$ 228,130	\$ 1,890
1426	CALVARY CRT	PVC	DistMain	ss039	150	115.4	1993	80	22	58	\$ 46,960	\$ -	\$ 46,960	\$ 590	\$ 810	\$ 148,094	\$ 1,375
1427	CHORNOBY CRES	PVC	DistMain	SS041	150	57.1	1997	80	18	62	\$ 23,280	\$ -	\$ 23,280	\$ 300	\$ 380	\$ 79,468	\$ 659
1428	CHORNOBY CRES	PVC	DistMain	SS041	150	465.1	1996	80	19	61	\$ 189,260	\$ 85,570	\$ 274,830	\$ 3,440	\$ 4,510	\$ 919,760	\$ 7,839
1429	CHORNOBY CRES	PVC	DistMain	SS047	150	117.2	1996	80	19	61	\$ 47,680	\$ 19,570	\$ 67,250	\$ 850	\$ 1,110	\$ 225,062	\$ 1,918
1430	DESLIPPE DR	PVC	DistMain	SS088	150	1.3	1997	80	18	62	\$ 620	\$ -	\$ 620	\$ 10	\$ 10	\$ 2,116	\$ 18
1431	HIGHWAY 3	DI	DistMain	SS267	200	1346.4	1974	60	41	19	\$ 650,240	\$ 14,730	\$ 664,970	\$ 8,320	\$ 35,000	\$ 968,736	\$ 42,413
1432	OUTER DR	PVC	DistMain	SS264	150	583.5	1986	80	29	51	\$ 237,340	\$ -	\$ 237,340	\$ 2,970	\$ 4,660	\$ 651,598	\$ 7,466
1433	OUTER DR	PVC	DistMain	SS265	150	94.9	1986	80	29	51	\$ 38,620	\$ -	\$ 38,620	\$ 490	\$ 760	\$ 106,028	\$ 1,215
1434	OUTER DR	DI	DistMain	SS266	150	522.3	1974	60	41	19	\$ 212,530	\$ 2,480	\$ 215,010	\$ 2,690	\$ 11,320	\$ 313,229	\$ 13,714
1435	OUTER DR	DI	DistMain	SS265	150	100.0	1974	60	41	19	\$ 40,680	\$ -	\$ 40,680	\$ 510	\$ 2,150	\$ 59,263	\$ 2,595
1436	N TALBOT RD	PVC	Trunk	SS231	300	98.2	1994	80	21	59	\$ 53,030	\$ 12,260	\$ 65,290	\$ 820	\$ 1,110	\$ 210,018	\$ 1,895
1437	DUMOUCHELLE ST	PVC	DistMain	SS232	150	163.1	1972	80	43	37	\$ 66,420	\$ -	\$ 66,420	\$ 840	\$ 1,800	\$ 138,199	\$ 2,558
1438	N TALBOT RD	PVC	Trunk	SS233	300	119.7	1994	80	21	59	\$ 64,670	\$ 17,200	\$ 81,870	\$ 1,030	\$ 1,390	\$ 263,351	\$ 2,376
1439	BURKE DR	DI	DistMain	SS278	200	338.5	1976	60	39	21	\$ 163,520	\$ -	\$ 163,520	\$ 2,050	\$ 7,790	\$ 247,842	\$ 9,612
1440	MORO DR	DI	DistMain	SS277	200	139.3	1976	60	39	21	\$ 67,350	\$ -	\$ 67,350	\$ 850	\$ 3,210	\$ 102,080	\$ 3,959
1441	MORO DR	PVC	DistMain	SS277	150	131.2	1987	80	28	52	\$ 53,440	\$ -	\$ 53,440	\$ 670	\$ 1,030	\$ 149,650	\$ 1,662
1442	MORO DR	DI	DistMain	SS276	200	337.7	1987	60	28	32	\$ 163,100	\$ -	\$ 163,100	\$ 2,040	\$ 5,100	\$ 307,369	\$ 6,950
1443	N TALBOT RD	PVC	Trunk	SS234	300	196.3	1994	80	21	59	\$ 105,960	\$ 22,040	\$ 128,000	\$ 1,600	\$ 2,170	\$ 411,737	\$ 3,715
1444	N TALBOT RD	PVC	Trunk	SS234	300	64.7	1994	80	21	59	\$ 35,010	\$ -	\$ 35,010	\$ 440	\$ 600	\$ 112,617	\$ 1,016
1445	N TALBOT RD	PVC	Trunk	SS237	300	134.9	1994	80	21	59	\$ 72,800	\$ 7,420	\$ 80,220	\$ 1,010	\$ 1,360	\$ 258,043	\$ 2,328
1446	PULLEYBLANK DR	DI	DistMain	SS281	200	225.0	1978	60	37	23	\$ 108,740	\$ 7,420	\$ 116,160	\$ 1,460	\$ 5,060	\$ 183,173	\$ 6,350
1447	PULLEYBLANK DR	DI	DistMain	SS279	200	117.1	1978	60	37	23	\$ 56,640	\$ -	\$ 56,640	\$ 710	\$ 2,470	\$ 89,316	\$ 3,096
1448	CROWDER CRT	PVC	DistMain	SS280	200	187.7	1987	80	28	52	\$ 90,720	\$ -	\$ 90,720	\$ 1,140	\$ 1,750	\$ 254,046	\$ 2,822
1449	ROSSI DR	PVC	DistMain	SS274	150	2.4	1976	80	39	41	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 30	\$ 2,320	\$ 37
1450	ROSSI DR	DI	DistMain	SS274	200	609.5	1976	60	39	21	\$ 294,390	\$ -	\$ 294,390	\$ 3,680	\$ 14,020	\$ 446,197	\$ 17,306

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1451	PULLEYBLANK DR	DI	DistMain	SS275	200	180.8	1978	60	37	23	\$ 87,420	\$ -	\$ 87,420	\$ 1,100	\$ 3,810	\$ 137,853	\$ 4,779
1452	ROSSI DR	PVC	DistMain	SS274	200	0.0	1976	80	39	41	\$ 110	\$ -	\$ 110	\$ 10	\$ 10	\$ 248	\$ 4
1453	PULLEYBLANK DR	DI	DistMain	SS273	200	289.7	1978	60	37	23	\$ 139,940	\$ -	\$ 139,940	\$ 1,750	\$ 6,090	\$ 220,671	\$ 7,650
1454	WALKER RD	PVC	Trunk	SS377	300	160.9	2002	80	13	67	\$ 86,910	\$ 4,950	\$ 91,860	\$ 1,150	\$ 1,380	\$ 346,209	\$ 2,501
1455	WALKER RD	PVC	Trunk	SS377	300	69.7	2002	80	13	67	\$ 37,690	\$ -	\$ 37,690	\$ 480	\$ 570	\$ 142,049	\$ 1,026
1456	HIGHWAY 3	PVC	Trunk	SS299	300	12.8	1997	80	18	62	\$ 7,010	\$ -	\$ 7,010	\$ 90	\$ 120	\$ 23,929	\$ 198
1456	HIGHWAY 3	PVC	Trunk	SS299	300	25.1	1997	80	18	62	\$ 13,600	\$ 4,950	\$ 18,550	\$ 240	\$ 300	\$ 63,322	\$ 525
1457	OLDCASTLE RD	PVC	DistMain	SS300	200	257.2	1996	80	19	61	\$ 124,290	\$ 17,200	\$ 141,490	\$ 1,770	\$ 2,320	\$ 473,518	\$ 4,036
1458	PICCADILLY AVE	PVC	DistMain	SS301	200	90.6	1997	80	18	62	\$ 43,770	\$ -	\$ 43,770	\$ 550	\$ 710	\$ 149,413	\$ 1,238
1459	PICCADILLY AVE	PVC	DistMain	SS302	200	127.3	1997	80	18	62	\$ 61,480	\$ 22,040	\$ 83,520	\$ 1,050	\$ 1,350	\$ 285,103	\$ 2,362
1460	TRAFALGAR CRT	PVC	DistMain	SS303	150	59.4	1997	80	18	62	\$ 24,200	\$ -	\$ 24,200	\$ 310	\$ 400	\$ 82,609	\$ 685
1461	TRAFALGAR CRT	PVC	DistMain	SS303	200	148.3	1997	80	18	62	\$ 71,670	\$ 29,350	\$ 101,020	\$ 1,270	\$ 1,630	\$ 344,840	\$ 2,857
1462	WEDGEWOOD LANE	PVC	DistMain	SS305	150	339.6	1986	80	29	51	\$ 138,190	\$ 36,660	\$ 174,850	\$ 2,190	\$ 3,430	\$ 480,037	\$ 5,501
1463	OLDCASTLE RD	PVC	DistMain	SS304	200	314.6	1996	80	19	61	\$ 151,980	\$ 14,730	\$ 166,710	\$ 2,090	\$ 2,740	\$ 557,920	\$ 4,755
1464	OLDCASTLE RD	PVC	DistMain	SS306	200	26.9	1996	80	19	61	\$ 13,080	\$ -	\$ 13,080	\$ 170	\$ 220	\$ 43,774	\$ 373
1464	OLDCASTLE RD	PVC	DistMain	SS306	200	520.1	1996	80	19	61	\$ 251,240	\$ -	\$ 251,240	\$ 3,150	\$ 4,120	\$ 840,813	\$ 7,166
1466	OLYMPIA DR	DI	DistMain	SS286	200	242.6	1978	60	37	23	\$ 117,180	\$ -	\$ 117,180	\$ 1,470	\$ 5,100	\$ 184,781	\$ 6,406
1467	ASTOR CRES	DI	DistMain	SS287	200	132.9	1978	60	37	23	\$ 64,260	\$ -	\$ 64,260	\$ 810	\$ 2,800	\$ 101,332	\$ 3,513
1468	OLYMPIA DR	DI	DistMain	SS288	200	157.5	1978	60	37	23	\$ 76,100	\$ -	\$ 76,100	\$ 960	\$ 3,310	\$ 120,002	\$ 4,160
1469	SOLAR CRES	DI	DistMain	SS289	200	115.6	1978	60	37	23	\$ 55,920	\$ -	\$ 55,920	\$ 700	\$ 2,440	\$ 88,180	\$ 3,057
1470	WALKER RD	PVC	Trunk	SS285	300	203.3	1990	80	25	55	\$ 109,770	\$ -	\$ 109,770	\$ 1,380	\$ 2,000	\$ 326,207	\$ 3,309
1471	WALKER RD	PVC	Trunk	SS269	300	234.8	2002	80	13	67	\$ 126,760	\$ 9,790	\$ 136,550	\$ 1,710	\$ 2,040	\$ 514,640	\$ 3,717
1472	WALKER RD	PVC	Trunk	SS268	300	16.7	2002	80	13	67	\$ 9,070	\$ 2,480	\$ 11,550	\$ 150	\$ 180	\$ 43,530	\$ 314
1473	WALKER RD	PVC	DistMain	SS268	200	211.5	2002	80	13	67	\$ 102,150	\$ 7,420	\$ 109,570	\$ 1,370	\$ 1,640	\$ 412,955	\$ 2,983
1474	BLACKACRE DR	PVC	DistMain	SS270	200	254.2	1989	80	26	54	\$ 122,840	\$ -	\$ 122,840	\$ 1,540	\$ 2,280	\$ 357,890	\$ 3,741
1475	BLACKACRE DR	PVC	DistMain	SS272	200	504.5	1989	80	26	54	\$ 243,620	\$ 2,480	\$ 246,100	\$ 3,080	\$ 4,560	\$ 717,003	\$ 7,494
1476	BLACKACRE DR	PVC	DistMain	SS282	200	273.6	1996	80	19	61	\$ 132,210	\$ 4,950	\$ 137,160	\$ 1,720	\$ 2,250	\$ 459,027	\$ 3,912
1477	ROSCON INDUSTRIAL DR	PVC	DistMain	SS283	200	380.2	1999	80	16	64	\$ 183,700	\$ 14,730	\$ 198,430	\$ 2,490	\$ 3,110	\$ 704,723	\$ 5,524
1478	BLACKACRE DR	PVC	DistMain	SS284	200	320.6	1999	80	16	64	\$ 154,870	\$ 17,200	\$ 172,070	\$ 2,160	\$ 2,690	\$ 611,105	\$ 4,790
1479	FASAN DR	PVC	DistMain	SS271	200	134.2	1989	80	26	54	\$ 64,870	\$ -	\$ 64,870	\$ 820	\$ 1,210	\$ 188,996	\$ 1,975
1480	FASAN DR	PVC	DistMain	SS271	200	855.0	1989	80	26	54	\$ 412,900	\$ -	\$ 412,900	\$ 5,170	\$ 7,650	\$ 1,202,968	\$ 12,574
1481	WALKER RD	PVC	Trunk	SS238	300	102.1	2000	80	15	65	\$ 55,090	\$ 4,950	\$ 60,040	\$ 760	\$ 930	\$ 217,496	\$ 1,659
1484	WALKER RD	PVC	Trunk	SS238	300	192.9	2003	80	12	68	\$ 104,100	\$ 19,570	\$ 123,670	\$ 1,550	\$ 1,820	\$ 475,418	\$ 3,343
1485	O'NEIL DR	PVC	DistMain	SS247	200	175.7	1990	80	25	55	\$ 84,850	\$ -	\$ 84,850	\$ 1,070	\$ 1,550	\$ 252,151	\$ 2,558
1486	O'NEIL DR	PVC	DistMain	SS248	200	221.9	1990	80	25	55	\$ 107,190	\$ -	\$ 107,190	\$ 1,340	\$ 1,950	\$ 318,540	\$ 3,231
1487	DELDUCA DR	PVC	DistMain	SS253	200	285.0	1990	80	25	55	\$ 137,670	\$ -	\$ 137,670	\$ 1,730	\$ 2,510	\$ 409,118	\$ 4,150
1488	DELDUCA DR	PVC	DistMain	SS252	200	1.8	1990	80	25	55	\$ 930	\$ -	\$ 930	\$ 20	\$ 20	\$ 2,764	\$ 28
1489	DELDUCA DR	PVC	DistMain	SS252	150	179.1	1990	80	25	55	\$ 72,910	\$ -	\$ 72,910	\$ 920	\$ 1,330	\$ 216,669	\$ 2,198
1490	DELDUCA DR	PVC	DistMain	SS249	200	123.2	1990	80	25	55	\$ 59,520	\$ -	\$ 59,520	\$ 750	\$ 1,090	\$ 176,877	\$ 1,794
1491	MOYNAHAN ST	PVC	DistMain	SS245	200	241.1	1974	80	41	39	\$ 116,460	\$ -	\$ 116,460	\$ 1,460	\$ 2,990	\$ 252,106	\$ 4,329
1492	MOYNAHAN ST	PVC	DistMain	SS244	200	143.9	1974	80	41	39	\$ 69,510	\$ -	\$ 69,510	\$ 870	\$ 1,790	\$ 150,471	\$ 2,584
1493	HENNIN DR	PVC	DistMain	SS243	200	378.3	1974	80	41	39	\$ 182,770	\$ -	\$ 182,770	\$ 2,290	\$ 4,690	\$ 395,650	\$ 6,794
1494	BRENDAN LN	PVC	DistMain	SS293	200	185.9	1978	80	37	43	\$ 89,890	\$ 14,730	\$ 104,620	\$ 1,310	\$ 2,440	\$ 245,144	\$ 3,650
1495	BINDER CRES	PVC	DistMain	SS294	200	76.5	1996	80	19	61	\$ 36,970	\$ 9,790	\$ 46,760	\$ 590	\$ 770	\$ 156,489	\$ 1,334
1496	BRENDAN LN	PVC	DistMain	SS295	200	350.0	1978	80	37	43	\$ 169,080	\$ 41,600	\$ 210,680	\$ 2,640	\$ 4,900	\$ 493,663	\$ 7,351
1497	DI COCCO CRT	PVC	DistMain	SS291	200	357.1	1996	80	19	61	\$ 172,470	\$ 90,410	\$ 262,880	\$ 3,290	\$ 4,310	\$ 879,768	\$ 7,498
1498	MCCORD LN	PVC	Trunk	SS290	300	295.7	1997	80	18	62	\$ 159,600	\$ 2,480	\$ 162,080	\$ 2,030	\$ 2,620	\$ 553,274	\$ 4,585
1501	DI COCCO CRT	PVC	Trunk	SS292	300	379.2	1997	80	18	62	\$ 204,700	\$ -	\$ 204,700	\$ 2,560	\$ 3,310	\$ 698,761	\$ 5,790
1503	HIGHWAY 3	PVC	DistMain	SS296	150	254.9	1997	80	18	62	\$ 103,800	\$ 9,790	\$ 113,590	\$ 1,420	\$ 1,840	\$ 387,749	\$ 3,213
1505	N TALBOT RD	PVC	DistMain	SS239	250	262.8	1998	80	17	63	\$ 133,450	\$ 7,420	\$ 140,870	\$ 1,770	\$ 2,240	\$ 490,489	\$ 3,953
1506	N TALBOT RD	PVC	DistMain	SS242	250	339.1	1998	80	17	63	\$ 172,160	\$ 7,420	\$ 179,580	\$ 2,250	\$ 2,860	\$ 625,272	\$ 5,039

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1510	N TALBOT RD	PVC	DistMain	SS246	250	77.3	1990	80	25	55	\$ 39,340	\$ -	\$ 39,340	\$ 500	\$ 720	\$ 116,908	\$ 1,186
1516	N TALBOT RD	PVC	DistMain	SS255	200	62.8	1990	80	25	55	\$ 30,380	\$ -	\$ 30,380	\$ 380	\$ 560	\$ 90,281	\$ 916
1517	N TALBOT RD	PVC	DistMain	SS257	200	19.1	1990	80	25	55	\$ 9,270	\$ -	\$ 9,270	\$ 120	\$ 170	\$ 27,548	\$ 279
1518	COUNTY RD 46	DI	DistMain	SS209	200	774.5	1974	60	41	19	\$ 374,080	\$ 7,420	\$ 381,500	\$ 4,770	\$ 20,080	\$ 555,773	\$ 24,333
1519	COUNTY RD 46	PVC	DistMain	SS203	200	300.0	1980	80	35	45	\$ 144,980	\$ -	\$ 144,980	\$ 1,820	\$ 3,230	\$ 353,440	\$ 4,916
1520	8TH CON RD	PVC	DistMain	SS256	200	698.8	1981	80	34	46	\$ 337,530	\$ -	\$ 337,530	\$ 4,220	\$ 7,340	\$ 839,306	\$ 11,292
1522	URE ST	PVC	DistMain	SS251	200	557.5	1990	80	25	55	\$ 269,260	\$ -	\$ 269,260	\$ 3,370	\$ 4,900	\$ 800,168	\$ 8,116
1524	MANNING RD	PVC	DistMain	T_SC008	200	33.6	1989	80	26	54	\$ 16,270	\$ -	\$ 16,270	\$ 210	\$ 310	\$ 47,402	\$ 495
1527	MCNORTON ST	PVC	Trunk	T198	300	105.0	2005	80	10	70	\$ 56,740	\$ -	\$ 56,740	\$ 710	\$ 820	\$ 226,935	\$ 1,513
1528	MCNORTON ST	PVC	Trunk	T196	300	187.2	2005	80	10	70	\$ 101,020	\$ -	\$ 101,020	\$ 1,270	\$ 1,450	\$ 404,035	\$ 2,694
1529	SOUTHFIELD DR	PVC	DistMain	T273	200	79.2	1992	80	23	57	\$ 38,310	\$ 24,510	\$ 62,820	\$ 790	\$ 1,110	\$ 194,226	\$ 1,857
1530	JAMSYL DR	PVC	DistMain	SS095	200	396.3	1995	80	20	60	\$ 191,420	\$ 2,480	\$ 193,900	\$ 2,430	\$ 3,240	\$ 636,192	\$ 5,578
1532	CANDLEWOOD DR	PVC	DistMain	SS083	150	72.9	2006	80	9	71	\$ 29,660	\$ 14,730	\$ 44,390	\$ 560	\$ 630	\$ 181,091	\$ 1,176
1533	ST AGNES DR	PVC	DistMain	SS081	150	50.3	2006	80	9	71	\$ 20,500	\$ 2,480	\$ 22,980	\$ 290	\$ 330	\$ 93,748	\$ 609
1538	CANDLEWOOD DR	PVC	DistMain	SS087	150	4.6	1990	80	25	55	\$ 1,960	\$ 2,480	\$ 4,440	\$ 60	\$ 90	\$ 13,194	\$ 134
1539	VICKERY LANE	PVC	DistMain	SS084	150	46.3	2006	80	9	71	\$ 18,950	\$ 2,480	\$ 21,430	\$ 270	\$ 310	\$ 87,425	\$ 568
1540	CANDLEWOOD DR	PVC	DistMain	SS082	150	126.1	2006	80	9	71	\$ 51,390	\$ 29,350	\$ 80,740	\$ 1,010	\$ 1,140	\$ 329,383	\$ 2,139
1545	RENAUD ST	PVC	DistMain	T289	50	71.7	2006	80	9	71	\$ 22,760	\$ 7,420	\$ 30,180	\$ 380	\$ 430	\$ 123,121	\$ 800
1553	BEDELL ST	PVC	DistMain	T306	150	1.9	2005	80	10	70	\$ 830	\$ 2,480	\$ 3,310	\$ 50	\$ 50	\$ 13,239	\$ 88
1554	LESAPERANCE RD	PVC	DistMain	T022	150	0.7	2005	80	10	70	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,240	\$ 8
1555	LESAPERANCE RD	PVC	DistMain	T022	150	0.5	2005	80	10	70	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,240	\$ 8
1557	LESAPERANCE RD	PVC	DistMain	T022	150	0.6	2005	80	10	70	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,240	\$ 8
1558	LESAPERANCE RD	PVC	Trunk	T022	300	5.9	2005	80	10	70	\$ 3,200	\$ -	\$ 3,200	\$ 40	\$ 50	\$ 12,799	\$ 85
1559	LESAPERANCE RD	PVC	Trunk	T022	300	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1560	RIVERSIDE DR	PVC	Trunk	T007	300	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1562	RIVERSIDE DR	PVC	Trunk	T006	300	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1563	RIVERSIDE DR	PVC	DistMain	T006	200	9.2	2005	80	10	70	\$ 4,430	\$ 2,480	\$ 6,910	\$ 90	\$ 100	\$ 27,637	\$ 184
1564	LESAPERANCE RD	PVC	Trunk	T022	300	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1566	LESAPERANCE RD	PVC	DistMain	T022	250	4.6	2005	80	10	70	\$ 2,370	\$ -	\$ 2,370	\$ 30	\$ 40	\$ 9,479	\$ 63
1567	LESAPERANCE RD	PVC	DistMain	T022	250	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1568	LESAPERANCE RD	PVC	DistMain	T022	250	1.3	2005	80	10	70	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 2,920	\$ 19
1569	LESAPERANCE RD	PVC	Trunk	T056	300	18.0	2005	80	10	70	\$ 9,790	\$ -	\$ 9,790	\$ 130	\$ 140	\$ 39,156	\$ 261
1570	LESAPERANCE RD	PVC	Trunk	T056	300	0.4	2005	80	10	70	\$ 310	\$ -	\$ 310	\$ 10	\$ 10	\$ 1,240	\$ 8
1571	LESAPERANCE RD	PVC	DistMain	T022	250	1.4	2005	80	10	70	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 2,920	\$ 19
1572	LESAPERANCE RD	PVC	Trunk	T056	300	13.2	2005	80	10	70	\$ 7,110	\$ -	\$ 7,110	\$ 90	\$ 110	\$ 28,437	\$ 190
1573	LESAPERANCE RD	PVC	Trunk	T056	300	117.2	2005	80	10	70	\$ 63,330	\$ 24,510	\$ 87,840	\$ 1,100	\$ 1,260	\$ 351,321	\$ 2,342
1576	LESAPERANCE RD	PVC	Trunk	T056	300	2.0	2005	80	10	70	\$ 1,140	\$ -	\$ 1,140	\$ 20	\$ 20	\$ 4,559	\$ 30
1577	LESAPERANCE RD	PVC	Trunk	T109	300	0.6	2005	80	10	70	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,680	\$ 11
1579	LESAPERANCE RD	PVC	Trunk	T057	300	70.8	2005	80	10	70	\$ 38,210	\$ 7,420	\$ 45,630	\$ 580	\$ 660	\$ 182,500	\$ 1,217
1580	CEDARWOOD DR	PVC	DistMain	T105	150	0.9	2005	80	10	70	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,680	\$ 11
1582	CEDARWOOD DR	PVC	DistMain	T105	150	0.9	2005	80	10	70	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,680	\$ 11
1583	CEDARWOOD DR	PVC	DistMain	T105	150	1.0	2005	80	10	70	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,680	\$ 11
1585	CEDARWOOD DR	PVC	DistMain	T105	150	5.4	2005	80	10	70	\$ 2,270	\$ -	\$ 2,270	\$ 30	\$ 40	\$ 9,079	\$ 61
1587	LESAPERANCE RD	PVC	Trunk	T109	300	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1588	LESAPERANCE RD	PVC	Trunk	T109	300	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1592	LESAPERANCE RD	PVC	Trunk	T118	300	25.4	2005	80	10	70	\$ 13,800	\$ 4,950	\$ 18,750	\$ 240	\$ 270	\$ 74,992	\$ 500
1596	VALENTE CRT	DI	DistMain	T117	150	6.9	2005	60	10	50	\$ 2,890	\$ -	\$ 2,890	\$ 40	\$ 60	\$ 7,779	\$ 92
1598	LESAPERANCE RD	PVC	Trunk	T121	300	19.6	2005	80	10	70	\$ 10,610	\$ -	\$ 10,610	\$ 140	\$ 160	\$ 42,435	\$ 283
1599	LESAPERANCE RD	PVC	Trunk	T126	300	6.5	2005	80	10	70	\$ 3,610	\$ -	\$ 3,610	\$ 50	\$ 60	\$ 14,438	\$ 96
1600	EVERGREEN DR	PVC	DistMain	T120	150	8.2	2005	80	10	70	\$ 3,400	\$ -	\$ 3,400	\$ 50	\$ 50	\$ 13,598	\$ 91
1606	CLAPP ST	PVC	Trunk	T127	300	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14

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Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1611	LESUPERANCE RD	PVC	Trunk	T125	300	2.1	2005	80	10	70	\$ 1,240	\$ -	\$ 1,240	\$ 20	\$ 20	\$ 4,959	\$ 33
1614	PAPINEAU CRT	PVC	DistMain	T124	150	6.6	2005	80	10	70	\$ 2,790	\$ -	\$ 2,790	\$ 40	\$ 40	\$ 11,159	\$ 74
1615	LESUPERANCE RD	PVC	DistMain	T126	150	0.9	2005	80	10	70	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,680	\$ 11
1617	LESUPERANCE RD	PVC	Trunk	T125	300	14.0	2005	80	10	70	\$ 7,620	\$ -	\$ 7,620	\$ 100	\$ 110	\$ 30,477	\$ 203
1620	LESUPERANCE RD	PVC	Trunk	T123	300	6.0	2005	80	10	70	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 50	\$ 13,199	\$ 88
1625	LESUPERANCE RD	PVC	Trunk	T123	300	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1626	LESUPERANCE RD	PVC	Trunk	T123	300	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1627	GAUTHIER DR	PVC	DistMain	T122	250	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1632	LESUPERANCE RD	PVC	Trunk	T123	300	58.0	2005	80	10	70	\$ 31,310	\$ 2,480	\$ 33,790	\$ 430	\$ 490	\$ 135,145	\$ 901
1633	LESUPERANCE RD	PVC	Trunk	T149	300	61.9	2005	80	10	70	\$ 33,470	\$ 2,480	\$ 35,950	\$ 450	\$ 520	\$ 143,784	\$ 959
1634	GAUTHIER DR	PVC	DistMain	T122	150	8.3	2005	80	10	70	\$ 3,400	\$ -	\$ 3,400	\$ 50	\$ 50	\$ 13,598	\$ 91
1637	LESUPERANCE RD	PVC	Trunk	T123	300	21.0	2005	80	10	70	\$ 11,430	\$ 2,480	\$ 13,910	\$ 180	\$ 200	\$ 55,634	\$ 371
1639	LESUPERANCE RD	PVC	Trunk	T149	300	1.2	2005	80	10	70	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 2,920	\$ 19
1640	ST THOMAS CRES	PVC	DistMain	T148	150	4.2	2005	80	10	70	\$ 1,760	\$ -	\$ 1,760	\$ 30	\$ 30	\$ 7,039	\$ 47
1641	ST THOMAS ST	PVC	DistMain	T148	150	0.9	2005	80	10	70	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,680	\$ 11
1642	LESUPERANCE RD	PVC	Trunk	T187	300	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1643	LESUPERANCE RD	PVC	Trunk	T187	300	0.9	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1645	LESUPERANCE RD	PVC	Trunk	T190	300	1.2	2005	80	10	70	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 2,920	\$ 19
1646	LESUPERANCE RD	PVC	Trunk	T190	300	1.2	2005	80	10	70	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 2,920	\$ 19
1649	ORCHARD DR	PVC	DistMain	T186	150	0.9	2005	80	10	70	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,680	\$ 11
1660	LESUPERANCE RD	PVC	Trunk	T195	300	4.0	2005	80	10	70	\$ 2,170	\$ -	\$ 2,170	\$ 30	\$ 40	\$ 8,679	\$ 58
1662	MCNORTON ST	PVC	Trunk	T194	300	0.8	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1663	MCNORTON ST	PVC	DistMain	T194	150	1.8	2005	80	10	70	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 3,320	\$ 22
1667	MCNORTON ST	PVC	Trunk	T194	300	0.8	2005	80	10	70	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,080	\$ 14
1669	MCNORTON ST	PVC	DistMain	T194	250	0.7	2005	80	10	70	\$ 420	\$ -	\$ 420	\$ 10	\$ 10	\$ 1,680	\$ 11
1670	MCNORTON ST	PVC	DistMain	T194	250	1.4	2005	80	10	70	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 2,920	\$ 19
1672	LESUPERANCE RD	PVC	Trunk	T195	300	3.5	2005	80	10	70	\$ 1,960	\$ -	\$ 1,960	\$ 30	\$ 30	\$ 7,839	\$ 52
1676	LESUPERANCE RD	PVC	Trunk	T195	300	3.5	2005	80	10	70	\$ 1,960	\$ -	\$ 1,960	\$ 30	\$ 30	\$ 7,839	\$ 52
1679	MCNORTON ST	PVC	Trunk	T194	300	4.1	2005	80	10	70	\$ 2,270	\$ -	\$ 2,270	\$ 30	\$ 40	\$ 9,079	\$ 61
1680	MCNORTON ST	PVC	Trunk	T194	300	248.0	2005	80	10	70	\$ 133,860	\$ -	\$ 133,860	\$ 1,680	\$ 1,920	\$ 535,381	\$ 3,570
1682	MCNORTON ST	PVC	Trunk	T194	300	1.3	2005	80	10	70	\$ 730	\$ -	\$ 730	\$ 10	\$ 20	\$ 2,920	\$ 19
1685	ST PIERRE ST	PVC	DistMain	T197	150	3.9	2005	80	10	70	\$ 1,650	\$ -	\$ 1,650	\$ 30	\$ 30	\$ 6,599	\$ 44
1690	MCNORTON ST	PVC	Trunk	T194	300	50.2	2005	80	10	70	\$ 27,090	\$ -	\$ 27,090	\$ 340	\$ 390	\$ 108,348	\$ 722
1694	MCNORTON ST	PVC	Trunk	T192	300	56.2	2005	80	10	70	\$ 30,380	\$ 2,480	\$ 32,860	\$ 420	\$ 470	\$ 131,425	\$ 876
1699	MCNORTON ST	PVC	Trunk	T192	300	13.1	2005	80	10	70	\$ 7,110	\$ -	\$ 7,110	\$ 90	\$ 110	\$ 28,437	\$ 190
1708	WILLIAM ST	PVC	DistMain	T199	150	2.5	2005	80	10	70	\$ 1,030	\$ -	\$ 1,030	\$ 20	\$ 20	\$ 4,120	\$ 27
1711	WILLIAM ST	CI	DistMain	T199	150	4.9	2005	60	10	50	\$ 2,060	\$ -	\$ 2,060	\$ 30	\$ 50	\$ 5,545	\$ 66
1712	WILLIAM ST	PVC	DistMain	T199	150	3.0	2005	80	10	70	\$ 1,240	\$ -	\$ 1,240	\$ 20	\$ 20	\$ 4,959	\$ 33
1721	ARLINGTON BLVD	PVC	DistMain	SC066	150	14.2	2004	80	11	69	\$ 5,770	\$ -	\$ 5,770	\$ 80	\$ 90	\$ 22,625	\$ 155
1724	KENSINGTON BLVD	PVC	DistMain	SC055	150	6.4	2004	80	11	69	\$ 2,680	\$ -	\$ 2,680	\$ 40	\$ 40	\$ 10,509	\$ 72
1726	KENSINGTON BLVD	PVC	DistMain	SC055	200	0.3	2004	80	11	69	\$ 210	\$ -	\$ 210	\$ 10	\$ 10	\$ 823	\$ 6
1730	12TH CON RD	PVC	DistMain	SS181	150	0.9	2003	80	12	68	\$ 420	\$ 2,480	\$ 2,900	\$ 40	\$ 50	\$ 11,148	\$ 78
1731	COUNTY RD 42	PVC	DistMain	SS145	150	6.8	2003	80	12	68	\$ 2,790	\$ 2,480	\$ 5,270	\$ 70	\$ 80	\$ 20,259	\$ 142
1732	COUNTY RD 42	PVC	DistMain	SS145	250	10.4	2003	80	12	68	\$ 5,360	\$ 2,480	\$ 7,840	\$ 100	\$ 120	\$ 30,139	\$ 212
1733	COUNTY RD 42	PVC	DistMain	SS145	250	104.0	2003	80	12	68	\$ 52,830	\$ 7,420	\$ 60,250	\$ 760	\$ 890	\$ 231,616	\$ 1,629
1734	CNTY RD 22	PVC	TransMain	T_SS002	600	215.0	2005	80	10	70	\$ 276,570	\$ -	\$ 276,570	\$ 3,460	\$ 3,960	\$ 1,106,158	\$ 7,375
1735	SOUTHFIELD DR	PVC	DistMain	T270	200	13.0	2005	80	10	70	\$ 6,290	\$ 2,480	\$ 8,770	\$ 110	\$ 130	\$ 35,076	\$ 234
1736	CNTY RD 22	PVC	TransMain	T_SS002	600	295.3	2005	80	10	70	\$ 379,850	\$ -	\$ 379,850	\$ 4,750	\$ 5,430	\$ 1,519,232	\$ 10,130
1738	SHAWNEE RD	PVC	DistMain	T283	150	4.9	2005	80	10	70	\$ 2,060	\$ -	\$ 2,060	\$ 30	\$ 30	\$ 8,239	\$ 55
1739	LESUPERANCE RD	PVC	DistMain	T299	150	21.9	2005	80	10	70	\$ 8,960	\$ -	\$ 8,960	\$ 120	\$ 130	\$ 35,836	\$ 239
1743	CNTY RD 22	PVC	DistMain	T_SS003	400	7.1	2005	80	10	70	\$ 5,980	\$ -	\$ 5,980	\$ 80	\$ 90	\$ 23,917	\$ 159

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Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1744	CNTY RD 22	PVC	TransMain	T_SS003	400	260.0	2005	80	10	70	\$ 216,650	\$ -	\$ 216,650	\$ 2,710	\$ 3,100	\$ 866,504	\$ 5,778
1745	LESPEARANCE RD	CI	DistMain	SS048	150	5.9	1960	60	55	5	\$ 2,480	\$ -	\$ 2,480	\$ 40	\$ 500	\$ 2,738	\$ 526
1746	LESPEARANCE RD	CI	DistMain	SS048	150	4.4	1960	60	55	5	\$ 1,860	\$ -	\$ 1,860	\$ 30	\$ 380	\$ 2,054	\$ 395
1747	MANNING RD	PVC	Trunk	T_SC007	400	144.7	2005	80	10	70	\$ 120,580	\$ -	\$ 120,580	\$ 1,510	\$ 1,730	\$ 482,267	\$ 3,216
1748	LANOUE ST	PVC	DistMain	T332	250	13.7	2005	80	10	70	\$ 7,010	\$ -	\$ 7,010	\$ 90	\$ 110	\$ 28,037	\$ 187
1749	CNTY RD 22	PVC	TransMain	T_SS001	600	17.3	2005	80	10	70	\$ 22,250	\$ -	\$ 22,250	\$ 280	\$ 320	\$ 88,990	\$ 593
1750	CNTY RD 22	PVC	TransMain	T_SS001	600	101.6	2005	80	10	70	\$ 130,770	\$ 2,480	\$ 133,250	\$ 1,670	\$ 1,910	\$ 532,941	\$ 3,553
1752	CNTY RD 22	PVC	TransMain	T_SS001	600	1.8	2005	80	10	70	\$ 2,480	\$ -	\$ 2,480	\$ 40	\$ 40	\$ 9,919	\$ 66
1753	ST JACQUES ST	PVC	DistMain	T210	150	263.1	2006	80	9	71	\$ 107,090	\$ 56,220	\$ 163,310	\$ 2,050	\$ 2,310	\$ 666,231	\$ 4,327
1756	LARAMIE ST	PVC	DistMain	T208	150	5.0	2006	80	9	71	\$ 2,060	\$ -	\$ 2,060	\$ 30	\$ 30	\$ 8,404	\$ 55
1757	LARAMIE ST	PE	DistMain	T208	50	7.7	2006	80	9	71	\$ 2,480	\$ -	\$ 2,480	\$ 40	\$ 40	\$ 10,117	\$ 66
1764	ST ALPHONSE ST	PVC	DistMain	SS128	150	21.0	2003	80	12	68	\$ 8,550	\$ 2,480	\$ 11,030	\$ 140	\$ 170	\$ 42,402	\$ 298
1769	ST ALPHONSE ST	PVC	DistMain	SS131	150	262.1	2003	80	12	68	\$ 106,680	\$ 41,600	\$ 148,280	\$ 1,860	\$ 2,190	\$ 570,025	\$ 4,008
1771	HIGHWAY 3	PVC	Trunk	SS311	300	354.5	1997	80	18	62	\$ 191,320	\$ 7,420	\$ 198,740	\$ 2,490	\$ 3,210	\$ 678,416	\$ 5,622
1771	SOUTH PACIFIC AVE	PVC	Trunk	SS131	300	16.7	2003	80	12	68	\$ 9,070	\$ -	\$ 9,070	\$ 120	\$ 140	\$ 34,867	\$ 245
1772	HIGHWAY 3	PVC	Trunk	SS307	300	675.0	1997	80	18	62	\$ 364,200	\$ 12,260	\$ 376,460	\$ 4,710	\$ 6,080	\$ 1,285,078	\$ 10,649
1772	HIGHWAY 3	PVC	Trunk	SS307	300	760.0	1997	80	18	62	\$ 410,120	\$ 14,730	\$ 424,850	\$ 5,320	\$ 6,860	\$ 1,450,261	\$ 12,017
1773	SEXTON SD RD	PVC	Trunk	SS336	300	5.5	1997	80	18	62	\$ 2,990	\$ -	\$ 2,990	\$ 40	\$ 50	\$ 10,207	\$ 85
1773	HIGHWAY 3	PVC	Trunk	SS307	300	423.7	1997	80	18	62	\$ 228,690	\$ 19,570	\$ 248,260	\$ 3,110	\$ 4,010	\$ 847,456	\$ 7,022
1774	SEXTON SD RD	PVC	Trunk	SS308	300	44.9	1997	80	18	62	\$ 24,310	\$ 2,480	\$ 26,790	\$ 340	\$ 440	\$ 91,450	\$ 758
1774	HIGHWAY 3	PVC	Trunk	SS311	300	240.0	1997	80	18	62	\$ 129,540	\$ 4,950	\$ 134,490	\$ 1,690	\$ 2,170	\$ 459,093	\$ 3,804
1775	HIGHWAY 3	PVC	Trunk	SS311	300	112.1	1997	80	18	62	\$ 60,550	\$ -	\$ 60,550	\$ 760	\$ 980	\$ 206,693	\$ 1,713
1775	HIGHWAY 3	PVC	Trunk	SS311	300	174.9	1997	80	18	62	\$ 94,430	\$ 2,480	\$ 96,910	\$ 1,220	\$ 1,570	\$ 330,810	\$ 2,741
1775	SEXTON SD RD	PVC	DistMain	SS308	250	642.8	1998	80	17	63	\$ 326,410	\$ 7,420	\$ 333,830	\$ 4,180	\$ 5,300	\$ 1,162,348	\$ 9,367
1776	HIGHWAY 3	PVC	Trunk	SS311	300	228.0	1997	80	18	62	\$ 123,050	\$ 9,790	\$ 132,840	\$ 1,670	\$ 2,150	\$ 453,461	\$ 3,758
1776	HIGHWAY 3	PVC	Trunk	SS311	300	281.1	1997	80	18	62	\$ 151,780	\$ 29,350	\$ 181,130	\$ 2,270	\$ 2,930	\$ 618,303	\$ 5,124
1778	MALDEN RD	DI	DistMain	SS318	200	658.8	1975	60	40	20	\$ 318,170	\$ 51,390	\$ 369,560	\$ 4,620	\$ 18,480	\$ 549,147	\$ 22,601
1779	COUNTY RD 34	DI	DistMain	SS322	200	710.2	1974	60	41	19	\$ 342,990	\$ 41,600	\$ 384,590	\$ 4,810	\$ 20,250	\$ 560,275	\$ 24,530
1780	MALDEN RD	PVC	DistMain	SS342	200	412.0	1991	80	24	56	\$ 199,040	\$ 7,420	\$ 206,460	\$ 2,590	\$ 3,690	\$ 625,814	\$ 6,162
1781	SOUTH TALBOT RD	PVC	DistMain	SS340	200	1418.1	1990	80	25	55	\$ 684,830	\$ 2,480	\$ 687,310	\$ 8,600	\$ 12,500	\$ 2,042,500	\$ 20,718
1783	SOUTH TALBOT	PVC	DistMain	SS349	150	1877.0	2000	80	15	65	\$ 763,500	\$ -	\$ 763,500	\$ 9,550	\$ 11,750	\$ 2,765,796	\$ 21,093
1783	SOUTH TALBOT	PVC	DistMain	SS349	150	400.3	2000	80	15	65	\$ 162,900	\$ -	\$ 162,900	\$ 2,040	\$ 2,510	\$ 590,109	\$ 4,500
1784	MANNING RD	PVC	DistMain	SS350	100	722.2	2000	80	15	65	\$ 256,600	\$ -	\$ 256,600	\$ 3,210	\$ 3,950	\$ 929,539	\$ 7,089
1785	MANNING RD	PVC	DistMain	SS379	150	875.1	2000	80	15	65	\$ 355,960	\$ -	\$ 355,960	\$ 4,450	\$ 5,480	\$ 1,289,473	\$ 9,834
1786	MALDEN RD	PVC	DistMain	SS371	150	220.5	1997	80	18	62	\$ 89,790	\$ 9,790	\$ 99,580	\$ 1,250	\$ 1,610	\$ 339,925	\$ 2,817
1787	SNAKE LN	PVC	DistMain	SS366	150	1100.0	2001	80	14	66	\$ 447,500	\$ 9,790	\$ 457,290	\$ 5,720	\$ 6,930	\$ 1,689,674	\$ 12,539
1788	9TH CON RD	PVC	DistMain	SS365	150	307.9	2001	80	14	66	\$ 125,320	\$ 9,790	\$ 135,110	\$ 1,690	\$ 2,050	\$ 499,228	\$ 3,705
1789	9TH CON RD	PVC	DistMain	SS367	150	335.7	2001	80	14	66	\$ 136,540	\$ 7,420	\$ 143,960	\$ 1,800	\$ 2,190	\$ 531,928	\$ 3,948
1790	BELLAIRE RD	PVC	DistMain	SS319	150	173.1	1991	80	24	56	\$ 70,430	\$ 14,730	\$ 85,160	\$ 1,070	\$ 1,530	\$ 258,134	\$ 2,542
1791	MALDEN RD	DI	DistMain	SS320	200	754.9	1975	60	40	20	\$ 364,610	\$ 22,040	\$ 386,650	\$ 4,840	\$ 19,340	\$ 574,542	\$ 23,646
1792	MANNING RD	DI	DistMain	SS321	200	184.8	1975	60	40	20	\$ 89,280	\$ -	\$ 89,280	\$ 1,120	\$ 4,470	\$ 132,665	\$ 5,460
1796	MANNING RD	DI	DistMain	SS218	200	2137.9	1975	60	40	20	\$ 1,032,450	\$ -	\$ 1,032,450	\$ 12,910	\$ 51,630	\$ 1,534,166	\$ 63,141
1797	COUNTY RD 46	DI	DistMain	SS216	150	253.7	1975	60	40	20	\$ 103,280	\$ -	\$ 103,280	\$ 1,300	\$ 5,170	\$ 153,469	\$ 6,316
1799	COUNTY RD 46	PVC	DistMain	SS215	200	165.7	1998	80	17	63	\$ 80,110	\$ -	\$ 80,110	\$ 1,010	\$ 1,280	\$ 278,931	\$ 2,248
1800	SOUTH TALBOT RD	PVC	DistMain	SS338	200	463.7	1998	80	17	63	\$ 223,960	\$ 2,480	\$ 226,440	\$ 2,840	\$ 3,600	\$ 788,432	\$ 6,354
1801	SEXTON SD RD	PVC	DistMain	SS336	250	568.8	1998	80	17	63	\$ 288,830	\$ 2,480	\$ 291,310	\$ 3,650	\$ 4,630	\$ 1,014,300	\$ 8,174
1801	SEXTON SD RD	PVC	DistMain	SS336	250	229.0	2009	80	6	74	\$ 116,360	\$ -	\$ 116,360	\$ 1,460	\$ 1,580	\$ 503,752	\$ 3,026
1801	SEXTON SD RD	PVC	DistMain	SS336	250	298.4	2009	80	6	74	\$ 151,570	\$ -	\$ 151,570	\$ 1,900	\$ 2,050	\$ 656,184	\$ 3,942
1802	8TH CON RD	PVC	DistMain	SS363	200	3245.0	1990	80	25	55	\$ 1,567,150	\$ 22,040	\$ 1,589,190	\$ 19,870	\$ 28,900	\$ 4,722,645	\$ 47,904
1803	SEXTON SD RD	PVC	DistMain	SS336	200	18.0	1998	80	17	63	\$ 8,760	\$ -	\$ 8,760	\$ 110	\$ 140	\$ 30,501	\$ 246
1804	SOUTH TALBOT RD	PVC	DistMain	SS333	200	438.0	1998	80	17	63	\$ 211,600	\$ 4,950	\$ 216,550	\$ 2,710	\$ 3,440	\$ 753,996	\$ 6,076

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Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1805	WALKER RD	PVC	DistMain	SS331	200	449.3	1988	80	27	53	\$ 217,060	\$ 9,790	\$ 226,850	\$ 2,840	\$ 4,290	\$ 647,960	\$ 6,981
1806	WALKER RD	PVC	DistMain	SS359	200	530.0	1998	80	17	63	\$ 255,980	\$ 9,790	\$ 265,770	\$ 3,330	\$ 4,220	\$ 925,373	\$ 7,457
1807	SOUTH TALBOT RD	PVC	DistMain	SS329	200	600.0	1998	80	17	63	\$ 289,860	\$ 4,950	\$ 294,810	\$ 3,690	\$ 4,680	\$ 1,026,486	\$ 8,272
1808	HOWARD AVE	DI	DistMain	SS326	150	699.7	1972	60	43	17	\$ 284,600	\$ 2,480	\$ 287,080	\$ 3,590	\$ 16,890	\$ 401,981	\$ 20,087
1809	MERO AVE	DI	DistMain	SS325	150	242.4	1972	60	43	17	\$ 98,650	\$ -	\$ 98,650	\$ 1,240	\$ 5,810	\$ 138,134	\$ 6,903
1810	HOWARD AVE	DI	DistMain	SS324	150	254.4	1972	60	43	17	\$ 103,490	\$ -	\$ 103,490	\$ 1,300	\$ 6,090	\$ 144,911	\$ 7,241
1811	HOLDEN RD	PVC	DistMain	SS357	200	600.0	1998	80	17	63	\$ 289,750	\$ 2,480	\$ 292,230	\$ 3,660	\$ 4,640	\$ 1,017,503	\$ 8,200
1812	OUTER DR	DI	DistMain	SS264	200	29.6	1980	60	35	25	\$ 14,320	\$ -	\$ 14,320	\$ 180	\$ 580	\$ 23,493	\$ 733
1813	OUTER DR	PVC	DistMain	SS328	200	174.9	1990	80	25	55	\$ 84,540	\$ -	\$ 84,540	\$ 1,060	\$ 1,540	\$ 251,230	\$ 2,548
1815	HIGHWAY 3	DI	DistMain	SS263	200	418.8	1980	60	35	25	\$ 202,330	\$ 7,420	\$ 209,750	\$ 2,630	\$ 8,390	\$ 344,117	\$ 10,743
1816	HIGHWAY 3	DI	DistMain	SS261	200	534.6	1980	60	35	25	\$ 258,240	\$ 4,950	\$ 263,190	\$ 3,290	\$ 10,530	\$ 431,791	\$ 13,481
1820	HOWARD AVE	DI	DistMain	SS326	150	25.1	1972	60	43	17	\$ 10,300	\$ -	\$ 10,300	\$ 130	\$ 610	\$ 14,422	\$ 721
1827	OUTER DR	PVC	DistMain	SS264	200	20.2	1986	80	29	51	\$ 9,790	\$ -	\$ 9,790	\$ 130	\$ 200	\$ 26,878	\$ 308
1835	HIGHWAY 3	DI	DistMain	SS261	150	33.0	1972	60	43	17	\$ 13,490	\$ -	\$ 13,490	\$ 170	\$ 800	\$ 18,889	\$ 944
1837	SOUTH TALBOT RD	PVC	DistMain	SS329	200	600.0	1998	80	17	63	\$ 289,750	\$ 7,420	\$ 297,170	\$ 3,720	\$ 4,720	\$ 1,034,703	\$ 8,338
1838	HIGHWAY 3	PVC	Trunk	SS299	300	117.2	1997	80	18	62	\$ 63,330	\$ 2,480	\$ 65,810	\$ 830	\$ 1,070	\$ 224,648	\$ 1,862
1839	SOUTH TALBOT RD	PVC	DistMain	SS335	200	574.6	1998	80	17	63	\$ 277,500	\$ 4,950	\$ 282,450	\$ 3,540	\$ 4,490	\$ 983,450	\$ 7,925
1841	SEXTON SD RD	PVC	DistMain	SS336	200	17.8	1998	80	17	63	\$ 8,650	\$ -	\$ 8,650	\$ 110	\$ 140	\$ 30,118	\$ 243
1842	SOUTH TALBOT RD	PVC	DistMain	SS337	200	50.1	1998	80	17	63	\$ 24,200	\$ -	\$ 24,200	\$ 310	\$ 390	\$ 84,261	\$ 679
1843	8TH CON RD	PVC	DistMain	SS204	200	430.9	1990	80	25	55	\$ 208,200	\$ 4,950	\$ 213,150	\$ 2,670	\$ 3,880	\$ 633,424	\$ 6,425
1844	COUNTY RD 46	PVC	DistMain	SS205	200	600.8	1980	80	35	45	\$ 290,160	\$ 4,950	\$ 295,110	\$ 3,690	\$ 6,560	\$ 719,435	\$ 10,007
1845	COUNTY RD 46	DI	DistMain	SS207	200	414.7	1974	60	41	19	\$ 200,270	\$ 4,950	\$ 205,220	\$ 2,570	\$ 10,810	\$ 298,967	\$ 13,089
1846	9TH CON RD	PVC	DistMain	SS258	200	57.2	1991	80	24	56	\$ 27,700	\$ -	\$ 27,700	\$ 350	\$ 500	\$ 83,963	\$ 827
1847	N TALBOT RD	PVC	DistMain	SS257	200	877.9	1991	80	24	56	\$ 424,020	\$ 44,070	\$ 468,090	\$ 5,860	\$ 8,360	\$ 1,418,858	\$ 13,971
1848	9TH CON RD	PVC	DistMain	SS225	200	107.8	1991	80	24	56	\$ 52,110	\$ -	\$ 52,110	\$ 660	\$ 940	\$ 157,954	\$ 1,555
1849	8TH CON RD	PVC	DistMain	SS204	150	134.0	1985	80	30	50	\$ 54,580	\$ 9,790	\$ 64,370	\$ 810	\$ 1,290	\$ 173,258	\$ 2,048
1851	WEBSTER DR	PVC	DistMain	SS202	200	308.4	1981	80	34	46	\$ 149,000	\$ -	\$ 149,000	\$ 1,870	\$ 3,240	\$ 370,505	\$ 4,985
1852	WEBSTER DR	PVC	DistMain	SS202	200	21.9	1990	80	25	55	\$ 10,610	\$ -	\$ 10,610	\$ 140	\$ 200	\$ 31,530	\$ 320
1853	COUNTY RD 46	DI	DistMain	SS201	200	751.9	1974	60	41	19	\$ 363,170	\$ -	\$ 363,170	\$ 4,540	\$ 19,120	\$ 529,070	\$ 23,164
1861	MALDEN RD	PVC	DistMain	SS344	200	211.1	1991	80	24	56	\$ 101,940	\$ 4,950	\$ 106,890	\$ 1,340	\$ 1,910	\$ 324,001	\$ 3,190
1862	MALDEN RD	PVC	DistMain	SS371	150	924.9	1997	80	18	62	\$ 376,240	\$ 19,570	\$ 395,810	\$ 4,950	\$ 6,390	\$ 1,351,131	\$ 11,196
1863	MALDEN RD	PVC	DistMain	SS371	200	360.0	1991	80	24	56	\$ 173,920	\$ 9,790	\$ 183,710	\$ 2,300	\$ 3,290	\$ 556,855	\$ 5,483
1866	INTERSECTION RD	COPPER	SmplSta	SS006	50	5.9	1987	60	28	32	\$ 1,960	\$ -	\$ 1,960	\$ 30	\$ 70	\$ 3,694	\$ 84
1867	BANWELL RD	PVC	DistMain	SS005	50	364.6	1987	80	28	52	\$ 115,740	\$ -	\$ 115,740	\$ 1,450	\$ 2,230	\$ 324,110	\$ 3,601
1868	BANWELL RD	PVC	DistMain	SS005	50	227.1	1987	80	28	52	\$ 72,080	\$ -	\$ 72,080	\$ 910	\$ 1,390	\$ 201,848	\$ 2,242
1871	COUNTY RD 34	PVC	DistMain	SS317	200	11.6	1997	80	18	62	\$ 5,670	\$ -	\$ 5,670	\$ 80	\$ 100	\$ 19,355	\$ 160
1872	MALDEN RD	PVC	DistMain	SS346	200	123.4	1991	80	24	56	\$ 59,620	\$ -	\$ 59,620	\$ 750	\$ 1,070	\$ 180,718	\$ 1,779
1873	8TH CON RD	PVC	DistMain	SS204	200	195.9	1985	80	30	50	\$ 94,630	\$ -	\$ 94,630	\$ 1,190	\$ 1,900	\$ 254,705	\$ 3,011
1875	WALKER RD	PVC	DistMain	SS331	200	261.8	1988	80	27	53	\$ 126,450	\$ 14,730	\$ 141,180	\$ 1,770	\$ 2,670	\$ 403,257	\$ 4,345
1876	HIGHWAY 3	DI	DistMain	SS261	150	3.5	1980	60	35	25	\$ 1,450	\$ -	\$ 1,450	\$ 20	\$ 60	\$ 2,379	\$ 74
1877	HIGHWAY 3	DI	DistMain	SS261	150	14.9	1972	60	43	17	\$ 6,080	\$ -	\$ 6,080	\$ 80	\$ 360	\$ 8,513	\$ 425
1880	OUTER DR	DI	DistMain	SS328	150	24.7	1980	60	35	25	\$ 10,100	\$ -	\$ 10,100	\$ 130	\$ 410	\$ 16,570	\$ 517
1881	OUTER DR	PVC	DistMain	SS328	150	3.3	1990	80	25	55	\$ 1,450	\$ -	\$ 1,450	\$ 20	\$ 30	\$ 4,309	\$ 44
1882	WALKER RD	PVC	Trunk	SS285	300	100.9	1997	80	18	62	\$ 54,470	\$ 4,950	\$ 59,420	\$ 750	\$ 960	\$ 202,835	\$ 1,681
1883	BLACKACRE DR	PVC	DistMain	SS270	200	6.2	1997	80	18	62	\$ 3,090	\$ -	\$ 3,090	\$ 40	\$ 50	\$ 10,548	\$ 87
1885	COUNTY RD 34	PVC	Trunk	SS315	300	769.5	1997	80	18	62	\$ 415,170	\$ 24,510	\$ 439,680	\$ 5,500	\$ 7,100	\$ 1,500,885	\$ 12,437
1886	SERVICE RD	PVC	Trunk	SS312	300	389.0	1997	80	18	62	\$ 209,950	\$ 14,730	\$ 224,680	\$ 2,810	\$ 3,630	\$ 766,964	\$ 6,355
1888	COUNTY RD 34	PVC	Trunk	SS382	300	204.8	1997	80	18	62	\$ 110,590	\$ 4,950	\$ 115,540	\$ 1,450	\$ 1,870	\$ 394,406	\$ 3,268
1890	COUNTY RD 34	PVC	Trunk	SS317	300	280.7	1997	80	18	62	\$ 151,470	\$ 39,130	\$ 190,600	\$ 2,390	\$ 3,080	\$ 650,629	\$ 5,391
1891	N TALBOT RD	PVC	Trunk	SS231	300	202.7	1997	80	18	62	\$ 109,460	\$ -	\$ 109,460	\$ 1,370	\$ 1,770	\$ 373,651	\$ 3,096
1892	HIGHWAY 3	DI	DistMain	SS267	200	453.9	1974	60	41	19	\$ 219,220	\$ 29,350	\$ 248,570	\$ 3,110	\$ 13,090	\$ 362,120	\$ 15,854

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1893	HOWARD AVE	PVC	DistMain	SS326	200	27.8	1998	80	17	63	\$ 13,490	\$ -	\$ 13,490	\$ 170	\$ 220	\$ 46,970	\$ 379
1894	HOWARD AVE	DI	DistMain	SS326	150	255.2	1972	60	43	17	\$ 103,900	\$ 4,950	\$ 108,850	\$ 1,370	\$ 6,410	\$ 152,416	\$ 7,616
1895	SOUTH TALBOT RD	PVC	DistMain	SS339	200	966.4	1990	80	25	55	\$ 466,750	\$ -	\$ 466,750	\$ 5,840	\$ 8,490	\$ 1,387,055	\$ 14,069
1896	SOUTH TALBOT RD	PVC	DistMain	SS341	200	1308.8	1990	80	25	55	\$ 632,120	\$ 14,730	\$ 646,850	\$ 8,090	\$ 11,770	\$ 1,922,264	\$ 19,498
1897	9TH CON RD	PVC	DistMain	SS367	150	19.8	1990	80	25	55	\$ 8,140	\$ -	\$ 8,140	\$ 110	\$ 150	\$ 24,190	\$ 245
1898	TECUMSEH RD	PVC	DistMain	SC067	250	10.0	2005	80	10	70	\$ 5,150	\$ -	\$ 5,150	\$ 70	\$ 80	\$ 20,598	\$ 137
1899	MANNING RD	PVC	DistMain	T_SC005	250	4.4	2004	80	11	69	\$ 2,270	\$ -	\$ 2,270	\$ 30	\$ 40	\$ 8,901	\$ 61
1901	TECUMSEH RD	PVC	DistMain	SC067	200	4.5	2006	80	9	71	\$ 2,270	\$ -	\$ 2,270	\$ 30	\$ 40	\$ 9,261	\$ 60
1902	GREEN VALLEY DR	PVC	DistMain	T254	250	2.5	2006	80	9	71	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 20	\$ 5,467	\$ 36
1903	10TH CON RD	PVC	DistMain	SS369	150	2622.5	2005	80	10	70	\$ 1,066,630	\$ 34,290	\$ 1,100,920	\$ 13,770	\$ 15,730	\$ 4,403,194	\$ 29,359
1906	LACASSE BLVD	PVC	DistMain	T252	150	17.3	2006	80	9	71	\$ 7,110	\$ -	\$ 7,110	\$ 90	\$ 110	\$ 29,006	\$ 188
1907	TECUMSEH RD	PVC	DistMain	T251	150	67.0	2006	80	9	71	\$ 27,290	\$ -	\$ 27,290	\$ 350	\$ 390	\$ 111,331	\$ 723
1908	RIVERSIDE DR	PE	DistMain	T015	250	55.0	2007	80	8	72	\$ 27,910	\$ -	\$ 27,910	\$ 350	\$ 390	\$ 116,137	\$ 735
1910	RIVERSIDE DR	PVC	DistMain	T015	200	2.5	2007	80	8	72	\$ 1,240	\$ -	\$ 1,240	\$ 20	\$ 20	\$ 5,160	\$ 33
1911	RIVERSIDE DR	PVC	DistMain	T015	250	3.7	2007	80	8	72	\$ 1,960	\$ 2,480	\$ 4,440	\$ 60	\$ 70	\$ 18,475	\$ 117
1912	RIVERSIDE DR	PVC	DistMain	T_SC001	250	33.6	2007	80	8	72	\$ 17,100	\$ -	\$ 17,100	\$ 220	\$ 240	\$ 71,156	\$ 450
1914	RIVERSIDE DR	PVC	DistMain	SC001	250	286.1	2007	80	8	72	\$ 145,290	\$ 4,950	\$ 150,240	\$ 1,880	\$ 2,090	\$ 625,170	\$ 3,955
1915	RIVERSIDE DR	PVC	DistMain	SC003	250	429.3	2007	80	8	72	\$ 217,980	\$ 83,100	\$ 301,080	\$ 3,770	\$ 4,190	\$ 1,252,836	\$ 7,926
1916	GRANT AVE	PVC	DistMain	SC033	250	14.3	2007	80	8	72	\$ 7,320	\$ -	\$ 7,320	\$ 100	\$ 110	\$ 30,460	\$ 193
1917	RIVERSIDE DR	PVC	DistMain	SC004	250	132.0	2007	80	8	72	\$ 67,040	\$ 24,510	\$ 91,550	\$ 1,150	\$ 1,280	\$ 380,952	\$ 2,410
1918	EDGEWATER BLVD	PVC	DistMain	SC039	200	14.5	2007	80	8	72	\$ 7,010	\$ -	\$ 7,010	\$ 90	\$ 100	\$ 29,170	\$ 185
1919	RIVERSIDE DR	PVC	DistMain	SC005	250	169.2	2007	80	8	72	\$ 85,980	\$ 36,660	\$ 122,640	\$ 1,540	\$ 1,710	\$ 510,322	\$ 3,229
1920	ST MARKS RD	PVC	DistMain	SC052	200	42.9	2007	80	8	72	\$ 20,800	\$ -	\$ 20,800	\$ 260	\$ 290	\$ 86,552	\$ 548
1922	RIVERSIDE DR	PVC	DistMain	SC006	250	122.4	2007	80	8	72	\$ 62,200	\$ 22,040	\$ 84,240	\$ 1,060	\$ 1,170	\$ 350,534	\$ 2,218
1923	CHRISTY LANE	PVC	DistMain	SC002	150	7.9	2007	80	8	72	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 50	\$ 13,732	\$ 87
1924	MANNING RD	PVC	Trunk	T_SC008	400	245.0	2005	80	10	70	\$ 204,190	\$ -	\$ 204,190	\$ 2,560	\$ 2,920	\$ 816,670	\$ 5,445
1948	CEDAR CRES	CI	DistMain	SC042	100	52.2	1956	60	59	1	\$ 18,640	\$ -	\$ 18,640	\$ 240	\$ 18,640	\$ 19,013	\$ 19,013
1949	CEDAR CRES	CI	DistMain	SC042	100	21.4	1956	60	59	1	\$ 7,620	\$ 7,420	\$ 15,040	\$ 190	\$ 15,040	\$ 15,341	\$ 15,341
1950	CEDAR CRES	CI	DistMain	SC042	100	35.1	1956	60	59	1	\$ 12,570	\$ 2,480	\$ 15,050	\$ 190	\$ 15,050	\$ 15,351	\$ 15,351
1951	WILLOW CRT	CI	DistMain	SC044	100	49.8	1956	60	59	1	\$ 17,720	\$ -	\$ 17,720	\$ 230	\$ 17,720	\$ 18,074	\$ 18,074
1952	WILLOW CRT	CI	DistMain	SC044	100	31.9	1956	60	59	1	\$ 11,430	\$ -	\$ 11,430	\$ 150	\$ 11,430	\$ 11,659	\$ 11,659
1953	WILLOW CRT	CI	DistMain	SC044	100	19.4	1956	60	59	1	\$ 6,900	\$ -	\$ 6,900	\$ 90	\$ 6,900	\$ 7,038	\$ 7,038
1954	MACK CRT	CI	DistMain	SC047	100	22.3	1956	60	59	1	\$ 8,040	\$ -	\$ 8,040	\$ 110	\$ 8,040	\$ 8,201	\$ 8,201
1955	MACK CRT	CI	DistMain	SC047	100	17.5	1956	60	59	1	\$ 6,290	\$ -	\$ 6,290	\$ 80	\$ 6,290	\$ 6,416	\$ 6,416
1956	MACK CRT	CI	DistMain	SC046	100	51.5	1956	60	59	1	\$ 18,330	\$ -	\$ 18,330	\$ 230	\$ 18,330	\$ 18,697	\$ 18,697
1957	ALDEN CRES	CI	DistMain	SC051	100	23.6	1956	60	59	1	\$ 8,450	\$ -	\$ 8,450	\$ 110	\$ 8,450	\$ 8,619	\$ 8,619
1958	ALDEN CRES	CI	DistMain	SC051	100	32.4	1956	60	59	1	\$ 11,540	\$ -	\$ 11,540	\$ 150	\$ 11,540	\$ 11,771	\$ 11,771
1960	COUNTY RD 8	PVC	DistMain	SS370	150	95.7	2005	80	10	70	\$ 39,030	\$ -	\$ 39,030	\$ 490	\$ 560	\$ 156,103	\$ 1,041
1962	ROSCON INDUSTRIAL DR	PE	DistMain	SS283	50	251.4	1999	80	16	64	\$ 79,800	\$ 2,480	\$ 82,280	\$ 1,030	\$ 1,290	\$ 292,217	\$ 2,291
1963	MALDEN RD	PVC	DistMain	SS371	150	388.2	2005	80	10	70	\$ 157,960	\$ 2,480	\$ 160,440	\$ 2,010	\$ 2,300	\$ 641,689	\$ 4,279
1964	MALDEN RD	PVC	DistMain	SS371	150	337.7	2005	80	10	70	\$ 137,360	\$ 2,480	\$ 139,840	\$ 1,750	\$ 2,000	\$ 559,298	\$ 3,729
1965	HIGHWAY 3	PVC	Bypass	SS261	150	11.9	2008	80	7	73	\$ 4,840	\$ -	\$ 4,840	\$ 70	\$ 70	\$ 20,543	\$ 127
1966	HIGHWAY 3	DI	DistMain	SS261	150	42.8	1972	60	43	17	\$ 17,510	\$ -	\$ 17,510	\$ 220	\$ 1,030	\$ 24,518	\$ 1,225
1970	TRAFALGAR CRT	PVC	DistMain	SS303	200	145.3	1997	80	18	62	\$ 70,230	\$ 7,420	\$ 77,650	\$ 980	\$ 1,260	\$ 265,065	\$ 2,196
1972	BURKE DR	PVC	DistMain	SS278	200	48.8	1994	80	21	59	\$ 23,580	\$ 2,480	\$ 26,060	\$ 330	\$ 450	\$ 83,827	\$ 756
1975	N TALBOT RD	PVC	Trunk	SS233	300	44.3	1994	80	21	59	\$ 24,000	\$ 2,480	\$ 26,480	\$ 340	\$ 450	\$ 85,178	\$ 769
1976	SEXTON SD RD	PVC	DistMain	SS308	250	500.2	1998	80	17	63	\$ 254,020	\$ -	\$ 254,020	\$ 3,180	\$ 4,040	\$ 884,461	\$ 7,127
1977	SOUTH TALBOT RD	PVC	DistMain	SS329	200	270.0	1998	80	17	63	\$ 130,460	\$ 7,420	\$ 137,880	\$ 1,730	\$ 2,190	\$ 480,078	\$ 3,869
1978	SOUTH TALBOT RD	PVC	DistMain	SS329	200	286.8	1998	80	17	63	\$ 138,600	\$ 2,480	\$ 141,080	\$ 1,770	\$ 2,240	\$ 491,220	\$ 3,958
1979	COUNTY RD 46	DI	DistMain	SS203	200	138.7	1974	60	41	19	\$ 67,040	\$ -	\$ 67,040	\$ 840	\$ 3,530	\$ 97,665	\$ 4,276
1980	COUNTY RD 46	PVC	DistMain	SS203	200	175.0	1980	80	35	45	\$ 84,540	\$ 7,420	\$ 91,960	\$ 1,150	\$ 2,050	\$ 224,185	\$ 3,118

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
1981	COUNTY RD 46	PVC	DistMain	SS205	200	300.0	1980	80	35	45	\$ 144,980	\$ 2,480	\$ 147,460	\$ 1,850	\$ 3,280	\$ 359,486	\$ 5,000
1982	COUNTY RD 46	PVC	DistMain	SS205	200	575.0	1980	80	35	45	\$ 277,710	\$ 17,200	\$ 294,910	\$ 3,690	\$ 6,560	\$ 718,948	\$ 10,000
1983	COUNTY RD 46	PVC	DistMain	SS205	200	165.1	1980	80	35	45	\$ 79,800	\$ -	\$ 79,800	\$ 1,000	\$ 1,780	\$ 194,541	\$ 2,706
1984	COUNTY RD 46	DI	DistMain	SS207	200	300.0	1980	60	35	25	\$ 144,880	\$ -	\$ 144,880	\$ 1,820	\$ 5,800	\$ 237,691	\$ 7,421
1987	MANNING RD	PVC	Trunk	T_SC008	400	60.0	2005	80	10	70	\$ 50,050	\$ -	\$ 50,050	\$ 630	\$ 720	\$ 200,178	\$ 1,335
1988	MANNING RD	PVC	Trunk	T_SC008	400	159.9	2005	80	10	70	\$ 133,240	\$ -	\$ 133,240	\$ 1,670	\$ 1,910	\$ 532,901	\$ 3,553
1989	CNTY RD 22	PVC	TransMain	T_SS003	400	325.0	2005	80	10	70	\$ 270,810	\$ -	\$ 270,810	\$ 3,390	\$ 3,870	\$ 1,083,120	\$ 7,222
1990	CNTY RD 22	PVC	TransMain	T_SS003	400	247.6	2005	80	10	70	\$ 206,250	\$ -	\$ 206,250	\$ 2,580	\$ 2,950	\$ 824,909	\$ 5,500
1991	CNTY RD 22	PVC	TransMain	T_SS002	600	70.0	2005	80	10	70	\$ 90,100	\$ -	\$ 90,100	\$ 1,130	\$ 1,290	\$ 360,360	\$ 2,403
1992	CNTY RD 22	PVC	TransMain	T_SS002	600	285.0	2005	80	10	70	\$ 366,570	\$ -	\$ 366,570	\$ 4,590	\$ 5,240	\$ 1,466,118	\$ 9,776
1993	CNTY RD 22	PVC	TransMain	T_SS002	600	220.0	2005	80	10	70	\$ 282,960	\$ -	\$ 282,960	\$ 3,540	\$ 4,050	\$ 1,131,715	\$ 7,546
1994	CNTY RD 22	PVC	TransMain	T_SS001	600	25.0	2005	80	10	70	\$ 32,230	\$ -	\$ 32,230	\$ 410	\$ 470	\$ 128,906	\$ 859
1995	CNTY RD 22	PVC	TransMain	T_SS002	600	100.4	2005	80	10	70	\$ 129,230	\$ -	\$ 129,230	\$ 1,620	\$ 1,850	\$ 516,863	\$ 3,446
1997	ST DENIS ST	PVC	DistMain	T217	200	13.9	2008	80	7	73	\$ 6,800	\$ -	\$ 6,800	\$ 90	\$ 100	\$ 28,862	\$ 178
2001	COUNTY RD 42	PVC	DistMain	W_SS114	200	203.9	1978	80	37	43	\$ 98,540	\$ 7,420	\$ 105,960	\$ 1,330	\$ 2,470	\$ 248,284	\$ 3,697
2002	WALKER RD	PVC	Trunk	SS238	300	2.7	2003	80	12	68	\$ 1,450	\$ -	\$ 1,450	\$ 20	\$ 30	\$ 5,574	\$ 39
2003	WALKER RD	PVC	Trunk	SS238	300	56.1	2003	80	12	68	\$ 30,380	\$ -	\$ 30,380	\$ 380	\$ 450	\$ 116,788	\$ 821
2004	WALKER RD	PVC	Bypass	SS238	300	13.7	2003	80	12	68	\$ 7,420	\$ -	\$ 7,420	\$ 100	\$ 110	\$ 28,524	\$ 201
2005	WALKER RD	PVC	Trunk	SS238	300	116.9	2003	80	12	68	\$ 63,120	\$ 2,480	\$ 65,600	\$ 820	\$ 970	\$ 252,183	\$ 1,773
2008	WALKER RD	PVC	Trunk	SS238	300	195.2	2003	80	12	68	\$ 105,340	\$ 14,730	\$ 120,070	\$ 1,510	\$ 1,770	\$ 461,579	\$ 3,246
2009	WALKER RD	PVC	Trunk	SS238	300	86.7	2003	80	12	68	\$ 46,850	\$ 12,260	\$ 59,110	\$ 740	\$ 870	\$ 227,234	\$ 1,598
2010	WALKER RD	PVC	Trunk	SS238	200	7.6	2003	80	12	68	\$ 3,710	\$ -	\$ 3,710	\$ 50	\$ 60	\$ 14,262	\$ 100
2012	MALDEN RD	PVC	DistMain	SS371	150	275.0	1997	80	18	62	\$ 111,930	\$ 4,950	\$ 116,880	\$ 1,470	\$ 1,890	\$ 398,980	\$ 3,306
2013	MALDEN RD	PVC	DistMain	SS371	200	54.7	1991	80	24	56	\$ 26,470	\$ -	\$ 26,470	\$ 340	\$ 480	\$ 80,235	\$ 790
2014	MALDEN RD	PVC	DistMain	SS342	200	187.5	1991	80	24	56	\$ 90,620	\$ 4,950	\$ 95,570	\$ 1,200	\$ 1,710	\$ 289,688	\$ 2,852
2015	MALDEN RD	PVC	DistMain	SS342	200	264.9	1991	80	24	56	\$ 127,990	\$ 7,420	\$ 135,410	\$ 1,700	\$ 2,420	\$ 410,450	\$ 4,042
2016	MALDEN RD	PVC	DistMain	SS344	200	175.0	1991	80	24	56	\$ 84,540	\$ 2,480	\$ 87,020	\$ 1,090	\$ 1,560	\$ 263,772	\$ 2,597
2018	BEACH GROVE RD	PVC	DistMain	SC119	150	25.7	2008	80	7	73	\$ 10,510	\$ -	\$ 10,510	\$ 140	\$ 150	\$ 44,608	\$ 275
2019	ARBOUR ST	PVC	DistMain	T308	150	9.3	2007	80	8	72	\$ 3,810	\$ -	\$ 3,810	\$ 50	\$ 60	\$ 15,854	\$ 100
2020	TECUMSEH RD	PVC	Trunk	T260	400	150.2	2005	80	10	70	\$ 125,210	\$ 17,200	\$ 142,410	\$ 1,790	\$ 2,040	\$ 569,577	\$ 3,798
2021	TECUMSEH RD	PVC	Trunk	T260	400	45.0	2005	80	10	70	\$ 37,590	\$ 7,420	\$ 45,010	\$ 570	\$ 650	\$ 180,020	\$ 1,200
2022	TECUMSEH RD	PVC	Trunk	T253	400	70.0	2005	80	10	70	\$ 58,390	\$ 4,950	\$ 63,340	\$ 800	\$ 910	\$ 253,332	\$ 1,689
2024	TECUMSEH RD	PVC	DistMain	T251	150	15.4	1992	80	23	57	\$ 6,290	\$ -	\$ 6,290	\$ 80	\$ 120	\$ 19,447	\$ 186
2025	TECUMSEH RD	PVC	DistMain	T251	150	35.0	2006	80	9	71	\$ 14,320	\$ -	\$ 14,320	\$ 180	\$ 210	\$ 58,419	\$ 379
2026	COUNTY RD 34	PVC	DistMain	SS322	200	50.4	1991	80	24	56	\$ 24,410	\$ -	\$ 24,410	\$ 310	\$ 440	\$ 73,991	\$ 729
2027	COUNTY RD 34	DI	DistMain	SS322	200	445.0	1975	60	40	20	\$ 215,000	\$ 41,600	\$ 256,600	\$ 3,210	\$ 12,830	\$ 381,294	\$ 15,693
2028	MALDEN RD	DI	DistMain	SS318	200	52.1	1975	60	40	20	\$ 25,230	\$ -	\$ 25,230	\$ 320	\$ 1,270	\$ 37,490	\$ 1,543
2029	12TH CON RD	PVC	DistMain	SS168	100	465.5	1990	80	25	55	\$ 165,470	\$ -	\$ 165,470	\$ 2,070	\$ 3,010	\$ 491,732	\$ 4,988
2030	WALKER RD	PVC	DistMain	SS238	150	30.5	2003	80	12	68	\$ 12,460	\$ 12,260	\$ 24,720	\$ 310	\$ 370	\$ 95,030	\$ 668
2034	WALKER RD	PVC	Trunk	SS238	300	138.0	2003	80	12	68	\$ 74,550	\$ 4,950	\$ 79,500	\$ 1,000	\$ 1,170	\$ 305,618	\$ 2,149
2035	LABUTE ST	CI	DistMain	T155	150	123.3	1971	60	44	16	\$ 50,250	\$ 34,290	\$ 84,540	\$ 1,060	\$ 5,290	\$ 116,055	\$ 6,226
2036	N TALBOT RD	PVC	Trunk	SS234	300	75.0	1994	80	21	59	\$ 40,570	\$ 4,950	\$ 45,520	\$ 570	\$ 780	\$ 146,424	\$ 1,321
2037	PULLEYBLANK DR	PVC	DistMain	SS281	200	46.0	1994	80	21	59	\$ 22,250	\$ -	\$ 22,250	\$ 280	\$ 380	\$ 71,572	\$ 646
2038	MANNING RD	PVC	Trunk	T_SC006	400	32.0	2005	80	10	70	\$ 26,670	\$ -	\$ 26,670	\$ 340	\$ 390	\$ 106,668	\$ 711
2039	TECUMSEH RD	CI	DistMain	SC068	250	42.0	1974	60	41	19	\$ 21,420	\$ 2,480	\$ 23,900	\$ 300	\$ 1,260	\$ 34,818	\$ 1,524
2040	WALKER RD	PVC	Trunk	SS285	300	202.6	1990	80	25	55	\$ 109,360	\$ 9,790	\$ 119,150	\$ 1,490	\$ 2,170	\$ 354,082	\$ 3,592
2042	OUTER DR	DI	DistMain	SS266	150	69.1	1974	60	41	19	\$ 28,220	\$ -	\$ 28,220	\$ 360	\$ 1,490	\$ 41,111	\$ 1,800
2044	HOLDEN RD	PVC	DistMain	SS357	200	600.0	1998	80	17	63	\$ 289,750	\$ 2,480	\$ 292,230	\$ 3,660	\$ 4,640	\$ 1,017,503	\$ 8,200
2045	HOLDEN RD	PVC	DistMain	SS357	200	600.0	1998	80	17	63	\$ 289,860	\$ 14,730	\$ 304,590	\$ 3,810	\$ 4,840	\$ 1,060,539	\$ 8,546
2046	HOLDEN RD	PVC	DistMain	SS357	200	600.0	1998	80	17	63	\$ 289,860	\$ 7,420	\$ 297,280	\$ 3,720	\$ 4,720	\$ 1,035,086	\$ 8,341
2047	HOLDEN RD	PVC	DistMain	SS357	200	600.0	1998	80	17	63	\$ 289,750	\$ 17,200	\$ 306,950	\$ 3,840	\$ 4,880	\$ 1,068,756	\$ 8,613

Appendix G-2
Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
2048	HOLDEN RD	PVC	DistMain	SS357	200	600.0	1998	80	17	63	\$ 289,860	\$ 4,950	\$ 294,810	\$ 3,690	\$ 4,680	\$ 1,026,486	\$ 8,272
2050	HOLDEN RD	PVC	DistMain	SS357	200	408.3	1998	80	17	63	\$ 197,190	\$ 9,790	\$ 206,980	\$ 2,590	\$ 3,290	\$ 720,675	\$ 5,808
2051	SOUTH TALBOT RD	PVC	DistMain	SS329	200	325.0	1998	80	17	63	\$ 157,030	\$ 7,420	\$ 164,450	\$ 2,060	\$ 2,620	\$ 572,591	\$ 4,614
2052	SOUTH TALBOT RD	PVC	DistMain	SS329	200	515.5	1998	80	17	63	\$ 248,980	\$ 9,790	\$ 258,770	\$ 3,240	\$ 4,110	\$ 901,000	\$ 7,261
2053	SOUTH TALBOT RD	PVC	DistMain	SS333	200	85.0	1998	80	17	63	\$ 41,090	\$ -	\$ 41,090	\$ 520	\$ 660	\$ 143,069	\$ 1,153
2054	SOUTH TALBOT RD	PVC	DistMain	SS335	200	275.0	1998	80	17	63	\$ 132,830	\$ 4,950	\$ 137,780	\$ 1,730	\$ 2,190	\$ 479,730	\$ 3,866
2055	CNTY RD 22	PVC	DistMain	T_SS002	400	163.1	2008	80	7	73	\$ 135,920	\$ -	\$ 135,920	\$ 1,700	\$ 1,870	\$ 576,894	\$ 3,556
2057	SHAWNEE RD	PVC	DistMain	SS019	150	20.0	2008	80	7	73	\$ 8,240	\$ -	\$ 8,240	\$ 110	\$ 120	\$ 34,974	\$ 216
2059	REGAL DR	PVC	DistMain	SS378	150	87.8	1974	80	41	39	\$ 35,730	\$ -	\$ 35,730	\$ 450	\$ 920	\$ 77,346	\$ 1,328
2061	SNAKE LN	PVC	DistMain	SS366	150	1000.0	2001	80	14	66	\$ 406,720	\$ 4,950	\$ 411,670	\$ 5,150	\$ 6,240	\$ 1,521,110	\$ 11,288
2062	SNAKE LN	PVC	DistMain	SS366	150	750.0	2001	80	14	66	\$ 305,090	\$ 14,730	\$ 319,820	\$ 4,000	\$ 4,850	\$ 1,181,726	\$ 8,770
2063	SNAKE LN	PVC	DistMain	SS366	150	60.1	2001	80	14	66	\$ 24,510	\$ 2,480	\$ 26,990	\$ 340	\$ 410	\$ 99,727	\$ 740
2065	SHIELDS RD	PVC	DistMain	SS422	200	15.1	2009	80	6	74	\$ 7,320	\$ -	\$ 7,320	\$ 100	\$ 100	\$ 31,690	\$ 190
2066	SHIELDS RD	PVC	DistMain	SS422	300	336.4	2009	80	6	74	\$ 181,530	\$ -	\$ 181,530	\$ 2,270	\$ 2,460	\$ 785,889	\$ 4,721
2067	SHIELDS RD	PVC	DistMain	SS422	200	16.8	2009	80	6	74	\$ 8,140	\$ -	\$ 8,140	\$ 110	\$ 110	\$ 35,240	\$ 212
2068	WEST LAKE DR	PVC	DistMain	SS388	250	166.7	2003	80	12	68	\$ 84,640	\$ 12,260	\$ 96,900	\$ 1,220	\$ 1,430	\$ 372,508	\$ 2,619
2069	RUTLAND RD	Cl	DistMain	SC063	150	82.1	1955	60	60	0	\$ 33,470	\$ -	\$ 33,470	\$ 420	\$ 420	\$ 163,181	\$ 842
2070	WALKER RD	PVC	DistMain	SS331	200	626.9	1998	80	17	63	\$ 302,730	\$ -	\$ 302,730	\$ 3,790	\$ 4,810	\$ 1,054,062	\$ 8,494
2071	WALKER RD	PVC	DistMain	SS359	200	610.0	1998	80	17	63	\$ 294,590	\$ 14,730	\$ 309,320	\$ 3,870	\$ 4,910	\$ 1,077,008	\$ 8,679
2072	WALKER RD	PVC	DistMain	SS359	200	595.0	1998	80	17	63	\$ 287,380	\$ 17,200	\$ 304,580	\$ 3,810	\$ 4,840	\$ 1,060,504	\$ 8,546
2073	WALKER RD	PVC	DistMain	SS359	200	630.0	1998	80	17	63	\$ 304,270	\$ 14,730	\$ 319,000	\$ 3,990	\$ 5,070	\$ 1,110,712	\$ 8,951
2074	WALKER RD	PVC	DistMain	SS359	200	550.0	1998	80	17	63	\$ 265,660	\$ 17,200	\$ 282,860	\$ 3,540	\$ 4,490	\$ 984,878	\$ 7,937
2075	WALKER RD	PVC	DistMain	SS359	200	637.7	1998	80	17	63	\$ 308,080	\$ 9,790	\$ 317,870	\$ 3,980	\$ 5,050	\$ 1,106,778	\$ 8,919
2076	SEXTON SD RD	PVC	DistMain	SS336	250	209.1	2009	80	6	74	\$ 106,160	\$ -	\$ 106,160	\$ 1,330	\$ 1,440	\$ 459,593	\$ 2,761
2077	DERBY RD	PVC	DistMain	SC107	150	190.3	2010	80	5	75	\$ 77,440	\$ 26,880	\$ 104,320	\$ 1,310	\$ 1,400	\$ 460,660	\$ 2,697
2078	MAISONNEUVE ST	PVC	DistMain	SS030	150	187.4	1987	80	28	52	\$ 76,300	\$ 7,420	\$ 83,720	\$ 1,050	\$ 1,610	\$ 234,443	\$ 2,604
2079	BRIGHTON RD	PVC	DistMain	SC109	150	98.1	2010	80	5	75	\$ 39,960	\$ 12,260	\$ 52,220	\$ 660	\$ 700	\$ 230,595	\$ 1,350
2080	ESTATE PARK	PVC	DistMain	SC106	150	14.2	2010	80	5	75	\$ 5,870	\$ -	\$ 5,870	\$ 80	\$ 80	\$ 25,921	\$ 152
2081	SOUTH PACIFIC AVE	PVC	Trunk	SS143	300	186.7	2009	80	6	74	\$ 100,810	\$ 2,480	\$ 103,290	\$ 1,300	\$ 1,400	\$ 447,168	\$ 2,686
2082	SHIELDS	PVC	DistMain	SS126	300	223.8	2009	80	6	74	\$ 120,780	\$ -	\$ 120,780	\$ 1,510	\$ 1,640	\$ 522,887	\$ 3,141
2083	COUNTY RD 42	PVC	SmplSta	SS114	50	1.4	2007	80	8	72	\$ 520	\$ -	\$ 520	\$ 10	\$ 10	\$ 2,164	\$ 14
2084	COUNTY RD 42	PVC	DistMain	SS114	200	24.8	2007	80	8	72	\$ 12,050	\$ 2,480	\$ 14,530	\$ 190	\$ 210	\$ 60,461	\$ 383
2085	COUNTY RD 42	PVC	DistMain	SS114	150	3.8	2007	80	8	72	\$ 1,650	\$ -	\$ 1,650	\$ 30	\$ 30	\$ 6,866	\$ 43
2086	COUNTY RD 42	PVC	DistMain	SS114	200	20.0	2007	80	8	72	\$ 9,680	\$ -	\$ 9,680	\$ 130	\$ 140	\$ 40,280	\$ 255
2087	COUNTY RD 42	PVC	TransMain	SS114	600	284.9	2007	80	8	72	\$ 366,460	\$ 7,420	\$ 373,880	\$ 4,680	\$ 5,200	\$ 1,555,767	\$ 9,843
2088	COUNTY RD 42	PVC	TransMain	SS115	600	307.9	2007	80	8	72	\$ 396,120	\$ 17,200	\$ 413,320	\$ 5,170	\$ 5,750	\$ 1,719,883	\$ 10,881
2089	COUNTY RD 42	PVC	DistMain	SS115	200	17.7	2007	80	8	72	\$ 8,650	\$ -	\$ 8,650	\$ 110	\$ 130	\$ 35,994	\$ 228
2552	N TALBOT RD	PVC	TransMain	SS239	300	66.2	2010	80	5	75	\$ 35,730	\$ 2,480	\$ 38,210	\$ 480	\$ 510	\$ 168,729	\$ 988
2553	N TALBOT RD	PVC	TransMain	SS239	400	242.3	2010	80	5	75	\$ 201,920	\$ 7,420	\$ 209,340	\$ 2,620	\$ 2,800	\$ 924,411	\$ 5,413
2554	N TALBOT RD	PVC	TransMain	SS242	400	332.1	2010	80	5	75	\$ 276,680	\$ 7,420	\$ 284,100	\$ 3,560	\$ 3,790	\$ 1,254,539	\$ 7,345
2555	N TALBOT RD	PVC	TransMain	SS246	400	232.4	2010	80	5	75	\$ 193,580	\$ -	\$ 193,580	\$ 2,420	\$ 2,590	\$ 854,817	\$ 5,005
2556	N TALBOT RD	PVC	DistMain	SS246	250	153.8	2010	80	5	75	\$ 78,160	\$ 2,480	\$ 80,640	\$ 1,010	\$ 1,080	\$ 356,093	\$ 2,085
2557	N TALBOT RD	PVC	TransMain	SS246	400	115.9	2010	80	5	75	\$ 96,590	\$ -	\$ 96,590	\$ 1,210	\$ 1,290	\$ 426,526	\$ 2,497
2558	O'NEIL DR	PVC	DistMain	SS247	300	12.5	2010	80	5	75	\$ 6,800	\$ -	\$ 6,800	\$ 90	\$ 100	\$ 30,028	\$ 176
2559	O'NEIL DR	PVC	DistMain	SS247	200	243.6	2010	80	5	75	\$ 117,700	\$ 7,420	\$ 125,120	\$ 1,570	\$ 1,670	\$ 552,509	\$ 3,235
2560	N TALBOT RD	PVC	DistMain	SS250	250	122.3	2010	80	5	75	\$ 62,200	\$ -	\$ 62,200	\$ 780	\$ 830	\$ 274,665	\$ 1,608
2561	N TALBOT RD	PVC	DistMain	SS254	250	219.7	2010	80	5	75	\$ 111,520	\$ -	\$ 111,520	\$ 1,400	\$ 1,490	\$ 492,454	\$ 2,883
2562	N TALBOT RD	PVC	DistMain	SS250	250	160.4	2010	80	5	75	\$ 81,450	\$ 2,480	\$ 83,930	\$ 1,050	\$ 1,120	\$ 370,621	\$ 2,170
2563	N TALBOT RD	PVC	TransMain	SS254	400	190.4	2010	80	5	75	\$ 158,680	\$ -	\$ 158,680	\$ 1,990	\$ 2,120	\$ 700,705	\$ 4,103
2564	N TALBOT RD	PVC	TransMain	SS250	400	149.7	2010	80	5	75	\$ 124,700	\$ -	\$ 124,700	\$ 1,560	\$ 1,670	\$ 550,655	\$ 3,224
2566	URE ST	PVC	DistMain	SS251	250	20.5	2010	80	5	75	\$ 10,510	\$ -	\$ 10,510	\$ 140	\$ 150	\$ 46,410	\$ 272

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Watermain Inventory

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
2567	URE ST	PVC	DistMain	SS251	250	5.2	2010	80	5	75	\$ 2,680	\$ -	\$ 2,680	\$ 40	\$ 40	\$ 11,834	\$ 69
2568	BRENDAN LN	PVC	DistMain	SS295	200	79.8	1978	80	37	43	\$ 38,620	\$ 12,260	\$ 50,880	\$ 640	\$ 1,190	\$ 119,221	\$ 1,775
2570	N TALBOT RD	PVC	DistMain	SS254	400	8.7	2010	80	5	75	\$ 7,320	\$ -	\$ 7,320	\$ 100	\$ 100	\$ 32,324	\$ 189
2571	N TALBOT RD	PVC	DistMain	SS254	200	4.5	1990	80	25	55	\$ 2,170	\$ -	\$ 2,170	\$ 30	\$ 40	\$ 6,449	\$ 65
2572	OLDCASTLE RD	PVC	DistMain	SS306	200	17.4	2010	80	5	75	\$ 8,450	\$ -	\$ 8,450	\$ 110	\$ 120	\$ 37,314	\$ 218
2573	OLDCASTLE RD	PVC	TransMain	SS306	400	378.6	2010	80	5	75	\$ 315,490	\$ -	\$ 315,490	\$ 3,950	\$ 4,210	\$ 1,393,152	\$ 8,157
2574	OLDCASTLE RD	PVC	TransMain	SS306	400	200.3	2010	80	5	75	\$ 166,910	\$ -	\$ 166,910	\$ 2,090	\$ 2,230	\$ 737,047	\$ 4,315
2575	N TALBOT RD	PVC	DistMain	SS254	400	31.0	2010	80	5	75	\$ 25,850	\$ -	\$ 25,850	\$ 330	\$ 350	\$ 114,149	\$ 668
2576	BURDICK CRES	PVC	DistMain	T070	150	50.0	2006	80	9	71	\$ 20,390	\$ -	\$ 20,390	\$ 260	\$ 290	\$ 83,182	\$ 540
2577	OLDCASTLE RD	PVC	DistMain	SS306	200	1.6	2010	80	5	75	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 3,665	\$ 21
2578	OLDCASTLE RD	PVC	TransMain	SS304	400	345.4	2010	80	5	75	\$ 287,800	\$ 17,200	\$ 305,000	\$ 3,820	\$ 4,070	\$ 1,346,830	\$ 7,886
2579	OLDCASTLE RD	PVC	DistMain	SS306	200	6.8	2010	80	5	75	\$ 3,400	\$ -	\$ 3,400	\$ 50	\$ 50	\$ 15,014	\$ 88
2580	OLDCASTLE RD	PVC	DistMain	SS306	300	1.3	2010	80	5	75	\$ 730	\$ -	\$ 730	\$ 10	\$ 10	\$ 3,224	\$ 19
2581	HIGHWAY 3	PVC	DistMain	S299	300	3.0	2010	80	5	75	\$ 1,650	\$ -	\$ 1,650	\$ 30	\$ 30	\$ 7,286	\$ 43
2582	HALFORD	PVC	DistMain	SS235	150	252.3	2011	80	4	76	\$ 102,660	\$ 12,260	\$ 114,920	\$ 1,440	\$ 1,520	\$ 517,617	\$ 2,954
2583	COUNTY RD 42	PVC	TransMain	SS117	600	311.3	2007	80	8	72	\$ 400,440	\$ 7,420	\$ 407,860	\$ 5,100	\$ 5,670	\$ 1,697,163	\$ 10,738
2584	11TH CONCESSION	PVC	DistMain	SS165	400	1.5	2007	80	8	72	\$ 1,340	\$ -	\$ 1,340	\$ 20	\$ 20	\$ 5,576	\$ 35
2585	COUNTY RD 11	PVC	DistMain	SS165	150	6.5	2007	80	8	72	\$ 2,680	\$ -	\$ 2,680	\$ 40	\$ 40	\$ 11,152	\$ 71
2586	COUNTY RD 42	PVC	TransMain	SS117	600	106.0	2007	80	8	72	\$ 136,330	\$ 4,950	\$ 141,280	\$ 1,770	\$ 1,970	\$ 587,886	\$ 3,719
2587	COUNTY RD 42	PVC	TransMain	SS117	600	31.0	2007	80	8	72	\$ 39,960	\$ -	\$ 39,960	\$ 500	\$ 560	\$ 166,279	\$ 1,052
2588	COUNTY RD 42	PVC	DistMain	SS117	300	5.0	2007	80	8	72	\$ 2,790	\$ -	\$ 2,790	\$ 40	\$ 40	\$ 11,610	\$ 73
2589	COUNTY RD 42	PVC	TransMain	SS117	600	2.3	2007	80	8	72	\$ 2,990	\$ -	\$ 2,990	\$ 40	\$ 50	\$ 12,442	\$ 79
2590	COUNTY RD 42	PVC	TransMain	SS119	400	215.2	2007	80	8	72	\$ 179,370	\$ 2,480	\$ 181,850	\$ 2,280	\$ 2,530	\$ 756,703	\$ 4,788
2591	COUNTY RD 42	PVC	Bypass	SS114	150	2.0	2007	80	8	72	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 3,454	\$ 22
2592	MANNING	PVC	DistMain	T_SC008	200	46.7	1989	80	26	54	\$ 22,550	\$ -	\$ 22,550	\$ 290	\$ 420	\$ 65,699	\$ 687
2593	COUNTY RD 42	PVC	DistMain	SS122	300	20.9	2007	80	8	72	\$ 11,330	\$ -	\$ 11,330	\$ 150	\$ 160	\$ 47,146	\$ 298
2594	COUNTY RD 42	PVC	Trunk	SS133	400	253.1	2007	80	8	72	\$ 210,880	\$ 7,420	\$ 218,300	\$ 2,730	\$ 3,040	\$ 908,377	\$ 5,747
2595	COUNTY RD 42	PVC	Trunk	SS133	400	13.7	2007	80	8	72	\$ 11,540	\$ -	\$ 11,540	\$ 150	\$ 170	\$ 48,020	\$ 304
2596	OLDCASTLE RD	PVC	DistMain	SS300	200	8.0	2010	80	5	75	\$ 3,920	\$ -	\$ 3,920	\$ 50	\$ 60	\$ 17,310	\$ 101
2597	OLDCASTLE RD	PVC	TransMain	SS300	400	307.6	2010	80	5	75	\$ 256,290	\$ 7,420	\$ 263,710	\$ 3,300	\$ 3,520	\$ 1,164,500	\$ 6,818
2598	OLDCASTLE RD	PVC	TransMain	SS300	400	91.0	2010	80	5	75	\$ 75,890	\$ -	\$ 75,890	\$ 950	\$ 1,020	\$ 335,118	\$ 1,962
2599	OLDCASTLE RD	PVC	DistMain	S299	300	1.7	2010	80	5	75	\$ 930	\$ -	\$ 930	\$ 20	\$ 20	\$ 4,107	\$ 24
2600	HALFORD	PVC	DistMain	SS235	150	26.1	2011	80	4	76	\$ 10,610	\$ 2,480	\$ 13,090	\$ 170	\$ 180	\$ 58,959	\$ 337
2601	HALFORD	PVC	DistMain	SS235	200	251.6	2011	80	4	76	\$ 121,510	\$ 9,790	\$ 131,300	\$ 1,650	\$ 1,730	\$ 591,395	\$ 3,375
2602	COUNTY RD 11	PVC	DistMain	SS165	600	13.7	2007	80	8	72	\$ 17,720	\$ -	\$ 17,720	\$ 230	\$ 250	\$ 73,735	\$ 467
2603	COUNTY RD 42	PVC	Trunk	SS120	400	86.8	2007	80	8	72	\$ 72,390	\$ -	\$ 72,390	\$ 910	\$ 1,010	\$ 301,225	\$ 1,906
2604	COUNTY RD 42	PVC	Trunk	SS120	400	22.1	2007	80	8	72	\$ 18,540	\$ -	\$ 18,540	\$ 240	\$ 260	\$ 77,148	\$ 488
2605	COUNTY RD 42	PVC	Trunk	SS120	400	87.0	2007	80	8	72	\$ 72,490	\$ -	\$ 72,490	\$ 910	\$ 1,010	\$ 301,641	\$ 1,908
2606	COUNTY RD 42	DI	Trunk	SS133	400	3.9	2007	60	8	52	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 70	\$ 9,241	\$ 103
2607	12TH CONCESSION	DI	DistMain	SS181	200	3.0	2007	60	8	52	\$ 1,550	\$ -	\$ 1,550	\$ 20	\$ 30	\$ 4,341	\$ 48
2608	SHIFF	PVC	DistMain	SS180	200	14.5	2007	80	8	72	\$ 7,010	\$ -	\$ 7,010	\$ 90	\$ 100	\$ 29,170	\$ 185
2609	COUNTY RD 42	PVC	Trunk	SS119	400	23.1	2007	80	8	72	\$ 19,260	\$ -	\$ 19,260	\$ 250	\$ 270	\$ 80,144	\$ 507
2610	ST THOMAS CRES	PVC	DistMain	T184	150	7.4	1980	80	35	45	\$ 3,090	\$ 2,480	\$ 5,570	\$ 70	\$ 130	\$ 13,579	\$ 189
2611	ST THOMAS CRES	PVC	DistMain	T184	150	81.0	1980	80	35	45	\$ 33,060	\$ 22,040	\$ 55,100	\$ 690	\$ 1,230	\$ 134,326	\$ 1,868
2612	ST THOMAS CRES	PVC	DistMain	T191	150	1.9	1980	80	35	45	\$ 830	\$ -	\$ 830	\$ 20	\$ 20	\$ 2,023	\$ 28
2613	ST THOMAS CRES	PVC	DistMain	T191	150	6.1	1980	80	35	45	\$ 2,480	\$ 2,480	\$ 4,960	\$ 70	\$ 120	\$ 12,092	\$ 168
2614	ST THOMAS CRES	PVC	DistMain	T191	150	6.4	2005	80	10	70	\$ 2,680	\$ -	\$ 2,680	\$ 40	\$ 40	\$ 10,719	\$ 71
2615	ST THOMAS CRES	PVC	DistMain	T191	150	52.6	1980	80	35	45	\$ 21,420	\$ 2,480	\$ 23,900	\$ 300	\$ 540	\$ 58,265	\$ 810
2618	N TALBOT RD	PVC	TransMain	SS254	400	54.9	2010	80	5	75	\$ 45,720	\$ -	\$ 45,720	\$ 580	\$ 610	\$ 201,892	\$ 1,182
2619	HOWARD AVE	PVC	DistMain	SS355	200	55.2	2012	80	3	77	\$ 26,670	\$ -	\$ 26,670	\$ 340	\$ 350	\$ 122,528	\$ 682
2620	SOUTH TALBOT RD	PVC	DistMain	SS329	200	95.9	2012	80	3	77	\$ 46,340	\$ -	\$ 46,340	\$ 580	\$ 610	\$ 212,897	\$ 1,185

**Appendix G-2
Watermain Inventory**

GIS Database											2015 Replacement Costs			Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
GIS ID	Street Name	Material	Main Type	Road Section	Size (mm)	Length (m)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Watermain	Services	Main & Services Segment Total				
2621	SOUTH TALBOT RD	PVC	DistMain	SS329	200	162.6	2012	80	3	77	\$ 78,570	\$ -	\$ 78,570	\$ 990	\$ 1,030	\$ 360,969	\$ 2,009
2623	HOWARD AVE	PVC	DistMain	SS326	250	463.9	2012	80	3	77	\$ 235,490	\$ 7,420	\$ 242,910	\$ 3,040	\$ 3,160	\$ 1,115,986	\$ 6,210
0	HIGHWAY 3	PVC	TransMain	SS311	300	419.5	2012	80	3	77	\$ 226,430	\$ 12,260	\$ 238,690	\$ 2,990	\$ 3,100	\$ 1,096,598	\$ 6,102
0	HIGHWAY 3	PVC	Trunk	SS311	300	516.6	2012	80	3	77	\$ 278,840	\$ 4,950	\$ 283,790	\$ 3,550	\$ 3,690	\$ 1,303,798	\$ 7,255
0	HIGHWAY 3	PVC	TransMain	SS311	300	317.1	2012	80	3	77	\$ 171,140	\$ 12,260	\$ 183,400	\$ 2,300	\$ 2,390	\$ 842,583	\$ 4,689
Totals											\$ 106,180,740	\$ 17,176,180	\$ 123,356,920	\$ 1,550,600	\$ 3,269,920	\$ 372,533,638	\$ 4,737,441

¹ EUL = End of useful life; EUL calculations take into account remaining years of useful life.

² In cases where assets have no remaining useful life, Inflated Replacement Cost and EUL Lifecycle were calculated for the next replacement cycle.

**Appendix H-1
Wastewater Facilities**

Asset Name	Description	Location	In-Service Year	Estimated Useful Life	Asset Age	Useful Life Remaining	Replacement Cost	Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
Pump Station	Cedarwood Pump Station Roof	Gauthier Drive	2014	20	1	19	\$ 100,000	\$ 5,000	\$ 5,263	\$ 145,681	\$ 6,378
Pump Station	Cedarwood Pump Station Structure	Gauthier Drive	1972	50	43	7	\$ 2,400,000	\$ 48,000	\$ 342,857	\$ 2,756,846	\$ 370,829
Pump Station	Cedarwood Pump Station Mechanical/Electrical	Gauthier Drive	1986	20	29	0	\$ 1,600,000	\$ 80,000	\$ 80,000	\$ 2,377,516	\$ 97,851
Pump Station	Cedarwood Pump Station SCADA	Gauthier Drive	2010	10	5	5	\$ 65,000	\$ 6,500	\$ 13,000	\$ 71,765	\$ 13,790
Pump Station	Lakewood Pump Station Structure	Lakewood Park South	2015	50	0	50	\$ 710,000	\$ 14,200	\$ 14,200	\$ 1,911,028	\$ 22,594
Pump Station	Lakewood Pump Station Mechanical/Electrical	Lakewood Park South	2015	20	0	20	\$ 900,000	\$ 45,000	\$ 45,000	\$ 1,337,353	\$ 55,041
Pump Station	Lakewood Pump Station SCADA	Lakewood Park South	2015	10	0	10	\$ 165,000	\$ 16,500	\$ 16,500	\$ 201,134	\$ 18,369
Pump Station	St. Alphonse Pump Station Structure	St. Alphonse/CR 42	1973	50	42	8	\$ 280,000	\$ 5,600	\$ 35,000	\$ 328,065	\$ 38,223
Pump Station	St. Alphonse Pump Station Mechanical/Electrical	St. Alphonse/CR 42	2011	20	4	16	\$ 320,000	\$ 16,000	\$ 20,000	\$ 439,291	\$ 23,568
Pump Station	Sylvestre Pump Station Structure	Sylvestre Drive	1996	50	19	31	\$ 280,000	\$ 5,600	\$ 9,032	\$ 517,325	\$ 12,207
Pump Station	Sylvestre Pump Station Mechanical/Electrical	Sylvestre Drive	1996	20	19	1	\$ 320,000	\$ 16,000	\$ 320,000	\$ 326,400	\$ 326,400
Flume (Relief Sewer Meter)	County Road 22 Flume Structure	County Road 22	2010	50	5	45	\$ 75,000	\$ 1,500	\$ 1,667	\$ 182,839	\$ 2,543
Flume (Relief Sewer Meter)	County Road 22 Flume SCADA Equipment	County Road 22	2010	10	5	5	\$ 81,000	\$ 8,100	\$ 16,200	\$ 89,431	\$ 17,185
Flume (Relief Sewer Meter)	North Talbot Rd Flume Structure	North Talbot Rd	2012	50	3	47	\$ 75,000	\$ 1,500	\$ 1,596	\$ 190,226	\$ 2,476
Flume (Relief Sewer Meter)	North Talbot Rd Flume SCADA Equipment	North Talbot Rd	2012	10	3	7	\$ 81,000	\$ 8,100	\$ 11,571	\$ 93,044	\$ 12,515
Flume (Relief Sewer Meter)	8th Concession Rd Flume Structure	8th Concession Rd	2013	50	2	48	\$ 110,000	\$ 2,200	\$ 2,292	\$ 284,578	\$ 3,586
Flume (Relief Sewer Meter)	8th Concession Rd Flume SCADA Equipment	8th Concession Rd	2013	10	2	8	\$ 120,000	\$ 12,000	\$ 15,000	\$ 140,599	\$ 16,381
Environmental Building ³	Equipment Garage Structure	1189 Lacasse Blvd.	1985	50	30	20	\$ 178,000	\$ 3,560	\$ 8,900	\$ 264,499	\$ 10,886
Environmental Building ³	Equipment Garage Roof	1189 Lacasse Blvd.	1985	20	30	0	\$ 77,500	\$ 3,875	\$ 3,875	\$ 115,161	\$ 4,740
Environmental Building ³	Equipment Garage HVAC	1189 Lacasse Blvd.	2007	20	8	12	\$ 5,500	\$ 275	\$ 458	\$ 6,975	\$ 520
Environmental Building ³	Office Structure	1189 Lacasse Blvd.	1996	50	19	31	\$ 320,000	\$ 6,400	\$ 10,323	\$ 591,228	\$ 13,951
Environmental Building ³	Office Roof	1189 Lacasse Blvd.	1996	20	19	1	\$ 42,500	\$ 2,125	\$ 42,500	\$ 43,350	\$ 43,350
Environmental Building ³	Office HVAC	1189 Lacasse Blvd.	1996	20	19	1	\$ 17,500	\$ 875	\$ 17,500	\$ 17,850	\$ 17,850
Environmental Building ³	Office HVAC 10 Ton Unit	1189 Lacasse Blvd.	2011	20	4	16	\$ 5,000	\$ 250	\$ 313	\$ 6,864	\$ 368
Totals							\$ 8,328,000	\$ 309,160	\$ 1,033,046	\$ 12,439,046	\$ 1,131,602

¹ EUL = End of useful life; EUL calculations take into account remaining years of useful life.

² In cases where assets have no remaining useful life, Inflated Replacement Cost and EUL Lifecycle were calculated for the next replacement cycle.

³ Shared with Water. Costs allocated equally.

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Replacement Cost
1	CEDARWOOD DR	CONC	Gravity	T105	1050	100.8	1974	65	41	24	\$ 195,945.02	\$ 22,549.64	\$ 63,633.22	\$ 282,128	\$ 4,340	\$ 11,755	\$ 453,785	\$ 14,916
2	GAUTHIER DR	CONC	Gravity	T104	900	25.1	1974	65	41	24	\$ 31,096	\$ 18,740	\$ -	\$ 49,836	\$ 767	\$ 2,076	\$ 80,158	\$ 2,635
3	GAUTHIER DR	CONC	Gravity	T104	900	13.5	1974	65	41	24	\$ 16,784	\$ 18,740	\$ -	\$ 35,523	\$ 547	\$ 1,480	\$ 57,137	\$ 1,878
4	GAUTHIER DR	CONC	Gravity	T104	900	13.8	1974	65	41	24	\$ 17,195	\$ 18,740	\$ -	\$ 35,935	\$ 553	\$ 1,497	\$ 57,800	\$ 1,900
5	GAUTHIER DR	CONC	Gravity	T104	1050	16.8	1974	65	41	24	\$ 32,743	\$ 22,550	\$ -	\$ 55,293	\$ 851	\$ 2,304	\$ 88,935	\$ 2,923
6	GAUTHIER DR	CONC	Gravity	T104	1050	36.9	1974	65	41	24	\$ 71,768	\$ 22,550	\$ -	\$ 94,317	\$ 1,451	\$ 3,930	\$ 151,703	\$ 4,987
7	CEDARWOOD DR	CONC	Gravity	T105	1050	98.0	1974	65	41	24	\$ 190,488	\$ 22,550	\$ 69,502	\$ 282,540	\$ 4,347	\$ 11,772	\$ 454,447	\$ 14,938
8	CEDARWOOD DR	CONC	Gravity	T105	1050	97.4	1974	65	41	24	\$ 189,355	\$ 22,550	\$ 34,803	\$ 246,707	\$ 3,795	\$ 10,279	\$ 396,813	\$ 13,044
9	LESPEANCE RD	CONC	Gravity	T106	900	33.4	1974	65	41	24	\$ 54,984	\$ 22,550	\$ 11,635	\$ 89,169	\$ 1,372	\$ 3,715	\$ 143,423	\$ 4,714
10	WOOD ST	CONC	Gravity	T058	900	60.8	1974	65	41	24	\$ 100,083	\$ 22,550	\$ 5,869	\$ 128,502	\$ 1,977	\$ 5,354	\$ 206,687	\$ 6,794
11	WOOD ST	CONC	Gravity	T058	900	59.4	1974	65	41	24	\$ 97,715	\$ 22,550	\$ 11,635	\$ 131,900	\$ 2,029	\$ 5,496	\$ 212,153	\$ 6,974
12	ST PIERRE ST	CONC	Gravity	T059	900	77.4	1974	65	41	24	\$ 127,369	\$ 22,550	\$ 40,466	\$ 190,385	\$ 2,929	\$ 7,933	\$ 306,222	\$ 10,066
13	LITTLE RIVER BLVD	CONC	Gravity	T061	900	61.9	1974	65	41	24	\$ 101,937	\$ 22,550	\$ 11,635	\$ 136,122	\$ 2,094	\$ 5,672	\$ 218,943	\$ 7,197
14	LITTLE RIVER BLVD	CONC	Gravity	T061	900	114.2	1974	65	41	24	\$ 158,877	\$ 20,593	\$ 33,155	\$ 212,626	\$ 3,271	\$ 8,559	\$ 341,995	\$ 11,242
15	LITTLE RIVER BLVD	CONC	Gravity	T079	900	76.5	1974	65	41	24	\$ 126,031	\$ 22,550	\$ 28,934	\$ 177,514	\$ 2,731	\$ 7,396	\$ 285,520	\$ 9,385
16	LITTLE RIVER BLVD	CONC	Gravity	T079	900	79.7	1974	65	41	24	\$ 110,895	\$ 20,593	\$ 33,155	\$ 164,643	\$ 2,533	\$ 6,860	\$ 264,818	\$ 8,705
17	LITTLE RIVER BLVD	CONC	Gravity	T079	900	76.7	1974	65	41	24	\$ 106,776	\$ 20,593	\$ 27,595	\$ 154,964	\$ 2,384	\$ 6,457	\$ 249,251	\$ 8,193
18	LITTLE RIVER BLVD	CONC	Gravity	T080	750	77.2	1974	65	41	24	\$ 87,521	\$ 20,593	\$ 21,932	\$ 130,047	\$ 2,001	\$ 5,419	\$ 209,172	\$ 6,876
19	LITTLE RIVER BLVD	CONC	Gravity	T081	750	74.3	1974	65	41	24	\$ 84,124	\$ 20,593	\$ 27,389	\$ 132,106	\$ 2,032	\$ 5,504	\$ 212,484	\$ 6,985
20	LITTLE RIVER BLVD	CONC	Gravity	T083	750	49.6	1974	65	41	24	\$ 56,220	\$ 20,593	\$ 16,475	\$ 93,288	\$ 1,435	\$ 3,887	\$ 150,047	\$ 4,932
21	DILLON DR	AC	Gravity	T025	250	111.1	1974	65	41	24	\$ 56,117	\$ 7,105	\$ 28,934	\$ 92,155	\$ 1,418	\$ 3,840	\$ 148,225	\$ 4,872
22	DILLON DR	AC	Gravity	T026	250	107.6	1974	65	41	24	\$ 54,366	\$ 7,105	\$ 28,934	\$ 90,404	\$ 1,391	\$ 3,767	\$ 145,410	\$ 4,780
23	DILLON DR	AC	Gravity	T028	300	78.5	1974	65	41	24	\$ 44,996	\$ 9,679	\$ 10,194	\$ 64,869	\$ 998	\$ 2,703	\$ 104,337	\$ 3,430
24	DILLON DR	AC	Gravity	T028	300	51.1	1974	65	41	24	\$ 29,345	\$ 9,679	\$ 15,342	\$ 54,366	\$ 836	\$ 2,265	\$ 87,445	\$ 2,874
25	DILLON DR	AC	Gravity	T028	300	20.7	1974	65	41	24	\$ 11,944	\$ 9,679	\$ -	\$ 21,623	\$ 333	\$ 901	\$ 34,779	\$ 1,143
26	DILLON DR	AC	Gravity	T030	300	30.3	1974	65	41	24	\$ 17,401	\$ 9,679	\$ 10,194	\$ 37,274	\$ 573	\$ 1,553	\$ 59,953	\$ 1,971
27	DILLON DR	AC	Gravity	T030	300	72.8	1974	65	41	24	\$ 41,701	\$ 9,679	\$ 25,433	\$ 76,813	\$ 1,182	\$ 3,201	\$ 123,549	\$ 4,061
28	DILLON DR	AC	Gravity	T031	300	92.5	1974	65	41	24	\$ 53,028	\$ 9,679	\$ 30,581	\$ 93,288	\$ 1,435	\$ 3,887	\$ 150,047	\$ 4,932
29	DILLON DR	AC	Gravity	T031	300	85.4	1974	65	41	24	\$ 48,909	\$ 9,679	\$ 45,820	\$ 104,408	\$ 1,606	\$ 4,350	\$ 167,934	\$ 5,520
30	DILLON DR	AC	Gravity	T032	300	42.7	1974	65	41	24	\$ 24,506	\$ 9,679	\$ 5,148	\$ 39,333	\$ 605	\$ 1,639	\$ 63,265	\$ 2,080
31	CORONADO DR	AC	Gravity	T067	250	58.7	1974	65	41	24	\$ 32,228	\$ 9,679	\$ 10,194	\$ 52,101	\$ 802	\$ 2,171	\$ 83,801	\$ 2,755
32	CORONADO DR	AC	Gravity	T067	250	58.2	1974	65	41	24	\$ 29,448	\$ 7,105	\$ 24,094	\$ 60,647	\$ 933	\$ 2,527	\$ 97,547	\$ 3,206
33	CORONADO DR	AC	Gravity	T068	250	83.5	1974	65	41	24	\$ 42,216	\$ 7,105	\$ 28,934	\$ 78,254	\$ 1,204	\$ 3,261	\$ 125,867	\$ 4,137
34	CORONADO DR	AC	Gravity	T073	250	57.3	1974	65	41	24	\$ 28,934	\$ 7,105	\$ 24,094	\$ 60,132	\$ 925	\$ 2,506	\$ 96,719	\$ 3,179
35	CORONADO DR	AC	Gravity	T073	250	49.7	1974	65	41	24	\$ 25,124	\$ 7,105	\$ 9,679	\$ 41,907	\$ 645	\$ 1,746	\$ 67,405	\$ 2,216
36	CORONADO DR	AC	Gravity	T078	250	47.1	1974	65	41	24	\$ 23,785	\$ 7,105	\$ 14,518	\$ 45,408	\$ 699	\$ 1,892	\$ 73,036	\$ 2,401
37	CORONADO DR	AC	Gravity	T078	250	57.5	1974	65	41	24	\$ 29,037	\$ 7,105	\$ 4,839	\$ 40,981	\$ 630	\$ 1,708	\$ 65,915	\$ 2,167
38	BURDICK CRES	AC	Gravity	T070	250	60.3	1974	65	41	24	\$ 33,052	\$ 9,679	\$ 10,194	\$ 52,925	\$ 814	\$ 2,205	\$ 85,126	\$ 2,798
39	WILLIAM ST	AC	Gravity	T153	300	100.2	1974	65	41	24	\$ 52,822	\$ 7,105	\$ 43,658	\$ 103,584	\$ 1,594	\$ 4,316	\$ 166,609	\$ 5,477
40	WILLIAM ST	AC	Gravity	T199	300	96.8	1974	65	41	24	\$ 51,071	\$ 7,105	\$ 63,015	\$ 121,191	\$ 1,864	\$ 5,050	\$ 194,929	\$ 6,408
41	WILLIAM ST	AC	Gravity	T199	300	97.0	1974	65	41	24	\$ 51,174	\$ 7,105	\$ 58,176	\$ 116,455	\$ 1,792	\$ 4,852	\$ 187,311	\$ 6,157
42	WILLIAM ST	AC	Gravity	T199	300	92.2	1974	65	41	24	\$ 48,600	\$ 7,105	\$ 43,658	\$ 99,363	\$ 1,529	\$ 4,140	\$ 159,818	\$ 5,253
43	WILLIAM ST	AC	Gravity	T216	300	91.7	1974	65	41	24	\$ 48,394	\$ 7,105	\$ 48,497	\$ 103,996	\$ 1,600	\$ 4,333	\$ 167,271	\$ 5,498
44	WILLIAM ST	AC	Gravity	T216	300	97.8	1974	65	41	24	\$ 51,586	\$ 7,105	\$ 58,176	\$ 116,867	\$ 1,798	\$ 4,869	\$ 187,973	\$ 6,179
45	WILLIAM ST	AC	Gravity	T216	300	92.0	1974	65	41	24	\$ 48,497	\$ 7,105	\$ 48,497	\$ 104,099	\$ 1,602	\$ 4,337	\$ 167,437	\$ 5,504
46	MENORTON ST	AC	Gravity	T200	250	80.3	1974	65	41	24	\$ 40,569	\$ 7,105	\$ 28,934	\$ 76,607	\$ 1,179	\$ 3,192	\$ 123,218	\$ 4,050
47	MENORTON ST	AC	Gravity	T200	250	73.6	1974	65	41	24	\$ 37,171	\$ 7,105	\$ 14,518	\$ 58,794	\$ 905	\$ 2,450	\$ 94,566	\$ 3,108
48	LABUTE ST	AC	Gravity	T155	250	72.0	1974	65	41	24	\$ 39,539	\$ 9,679	\$ 30,375	\$ 79,593	\$ 1,225	\$ 3,316	\$ 128,020	\$ 4,208
49	LABUTE ST	AC	Gravity	T155	250	66.6	1974	65	41	24	\$ 33,670	\$ 7,105	\$ 38,612	\$ 79,387	\$ 1,221	\$ 3,308	\$ 127,689	\$ 4,197
50	LABUTE ST	AC	Gravity	T155	250	85.6	1974	65	41	24	\$ 43,246	\$ 7,105	\$ 48,188	\$ 98,539	\$ 1,516	\$ 4,106	\$ 158,494	\$ 5,210
51	ST THOMAS ST	AC	Gravity	T158	300	85.0	1974	65	41	24	\$ 48,703	\$ 9,679	\$ 10,194	\$ 68,576	\$ 1,055	\$ 2,857	\$ 110,300	\$ 3,626
52	ST THOMAS ST	AC	Gravity	T158	300	88.0	1974	65	41	24	\$ 46,438	\$ 7,105	\$ 38,818	\$ 92,361	\$ 1,421	\$ 3,848	\$ 148,557	\$ 4,883
53	ST THOMAS ST	AC	Gravity	T158	300	105.2	1974	65	41	24	\$ 55,499	\$ 7,105	\$ 48,497	\$ 111,101	\$ 1,709	\$ 4,629	\$ 178,699	\$ 5,874
54	ST THOMAS ST	AC	Gravity	T159	300	89.6	1974	65	41	24	\$ 47,262	\$ 7,105	\$ 33,979	\$ 88,345	\$ 1,359	\$ 3,681	\$ 142,098	\$ 4,671
55	BALLARD ST	AC	Gravity	T205	300	108.5	1974	65	41	24	\$ 62,192	\$ 9,679	\$ 25,433	\$ 97,303	\$ 1,497	\$ 4,054	\$ 156,506	\$ 5,145

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost	Inflated EUL Lifecycle
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs				
56	BALLARD ST	AC	Gravity	T205	300	112.8	1974	65	41	24	\$ 59,515	\$ 7,105	\$ 38,818	\$ 105,438	\$ 1,622	\$ 4,393	\$ 169,590	\$ 5,575
57	CLARICE AVE	AC	Gravity	T202	300	87.0	1974	65	41	24	\$ 49,836	\$ 9,679	\$ 30,581	\$ 90,096	\$ 1,386	\$ 3,754	\$ 144,913	\$ 4,763
58	CLARICE AVE	AC	Gravity	T202	300	88.8	1974	65	41	24	\$ 50,865	\$ 9,679	\$ 40,775	\$ 101,319	\$ 1,559	\$ 4,222	\$ 162,965	\$ 5,357
59	CLARICE AVE	AC	Gravity	T202	300	107.6	1974	65	41	24	\$ 56,734	\$ 7,105	\$ 38,818	\$ 102,657	\$ 1,579	\$ 4,277	\$ 165,118	\$ 5,428
60	CLARICE AVE	AC	Gravity	T202	300	84.4	1974	65	41	24	\$ 44,481	\$ 7,105	\$ 29,139	\$ 80,726	\$ 1,242	\$ 3,364	\$ 129,842	\$ 4,268
61	ST DENIS ST	AC	Gravity	T213	250	66.2	1974	65	41	24	\$ 33,464	\$ 7,105	\$ 28,934	\$ 69,502	\$ 1,069	\$ 2,896	\$ 111,790	\$ 3,675
62	ST DENIS ST	AC	Gravity	T215	250	57.1	1974	65	41	24	\$ 28,831	\$ 7,105	\$ 28,934	\$ 64,869	\$ 998	\$ 2,703	\$ 104,337	\$ 3,430
63	ST DENIS ST	AC	Gravity	T217	250	76.1	1974	65	41	24	\$ 38,406	\$ 7,105	\$ 9,679	\$ 55,190	\$ 849	\$ 2,300	\$ 88,770	\$ 2,918
64	ST DENIS ST	AC	Gravity	T217	250	70.9	1974	65	41	24	\$ 38,921	\$ 9,679	\$ 20,284	\$ 68,885	\$ 1,060	\$ 2,870	\$ 110,796	\$ 3,642
65	LACHANCE CRT	AC	Gravity	T246	250	60.6	1974	65	41	24	\$ 33,258	\$ 9,679	\$ 15,239	\$ 58,176	\$ 895	\$ 2,424	\$ 93,572	\$ 3,076
66	LACHANCE CRT	AC	Gravity	T246	250	73.1	1974	65	41	24	\$ 40,054	\$ 9,679	\$ 75,886	\$ 125,619	\$ 1,933	\$ 5,234	\$ 202,050	\$ 6,642
67	ST JACQUES ST	AC	Gravity	T210	250	101.9	1974	65	41	24	\$ 51,483	\$ 7,105	\$ 62,707	\$ 121,294	\$ 1,866	\$ 5,054	\$ 195,094	\$ 6,413
68	ST JACQUES ST	AC	Gravity	T210	250	100.0	1974	65	41	24	\$ 54,778	\$ 18,740	\$ 45,614	\$ 119,132	\$ 1,833	\$ 4,964	\$ 191,617	\$ 6,299
69	TECUMSEH RD	AC	Gravity	T261	250	95.5	1974	65	41	24	\$ 48,291	\$ 7,105	\$ 24,094	\$ 79,490	\$ 1,223	\$ 3,312	\$ 127,855	\$ 4,203
70	TECUMSEH RD	AC	Gravity	T262	250	100.6	1974	65	41	24	\$ 50,865	\$ 7,105	\$ 24,094	\$ 82,064	\$ 1,263	\$ 3,419	\$ 131,995	\$ 4,339
71	TECUMSEH RD	AC	Gravity	T262	250	32.7	1974	65	41	24	\$ 17,916	\$ 9,679	\$ 15,239	\$ 42,834	\$ 659	\$ 1,785	\$ 68,896	\$ 2,265
72	TECUMSEH RD	AC	Gravity	T262	250	77.5	1974	65	41	24	\$ 42,525	\$ 9,679	\$ 15,239	\$ 67,443	\$ 1,038	\$ 2,810	\$ 108,478	\$ 3,566
73	TECUMSEH RD	AC	Gravity	T262	250	69.8	1974	65	41	24	\$ 38,303	\$ 9,679	\$ 30,375	\$ 78,357	\$ 1,205	\$ 3,265	\$ 126,033	\$ 4,143
74	TECUMSEH RD	AC	Gravity	T262	250	77.5	1974	65	41	24	\$ 42,525	\$ 9,679	\$ 30,375	\$ 82,579	\$ 1,270	\$ 3,441	\$ 132,823	\$ 4,366
75	TECUMSEH RD	AC	Gravity	T263	300	119.1	1974	65	41	24	\$ 68,267	\$ 9,679	\$ 35,626	\$ 113,572	\$ 1,747	\$ 4,732	\$ 182,673	\$ 6,005
76	TECUMSEH RD	AC	Gravity	T263	300	103.1	1974	65	41	24	\$ 59,103	\$ 9,679	\$ 56,014	\$ 124,795	\$ 1,920	\$ 5,200	\$ 200,725	\$ 6,598
77	TECUMSEH RD	AC	Gravity	T264	300	57.3	1974	65	41	24	\$ 32,846	\$ 9,679	\$ 10,194	\$ 52,719	\$ 811	\$ 2,197	\$ 84,795	\$ 2,787
78	TECUMSEH RD	AC	Gravity	T264	300	56.8	1974	65	41	24	\$ 32,537	\$ 9,679	\$ 20,387	\$ 62,604	\$ 963	\$ 2,608	\$ 100,694	\$ 3,310
79	LITTLE RIVER BLVD	CONC	Gravity	T091	750	107.4	1974	65	41	24	\$ 121,706	\$ 20,593	\$ 38,406	\$ 180,706	\$ 2,780	\$ 7,529	\$ 290,654	\$ 9,554
80	LITTLE RIVER BLVD	CONC	Gravity	T094	750	67.7	1974	65	41	24	\$ 76,710	\$ 20,593	\$ 16,475	\$ 113,778	\$ 1,750	\$ 4,741	\$ 183,005	\$ 6,016
81	LITTLE RIVER BLVD	CONC	Gravity	T095	750	87.4	1974	65	41	24	\$ 99,054	\$ 20,593	-	\$ 119,647	\$ 1,841	\$ 4,985	\$ 192,445	\$ 6,326
82	LITTLE RIVER BLVD	CONC	Gravity	T097	675	91.2	1974	65	41	24	\$ 90,507	\$ 20,593	\$ 5,560	\$ 116,661	\$ 1,795	\$ 4,861	\$ 187,642	\$ 6,168
83	LITTLE RIVER BLVD	CONC	Gravity	T098	675	91.3	1974	65	41	24	\$ 80,932	\$ 18,740	\$ 20,902	\$ 120,574	\$ 1,855	\$ 5,024	\$ 193,935	\$ 6,375
84	LITTLE RIVER BLVD	CONC	Gravity	T100	600	73.1	1974	65	41	24	\$ 57,146	\$ 18,740	\$ 10,503	\$ 86,389	\$ 1,329	\$ 3,600	\$ 138,951	\$ 4,567
85	LITTLE RIVER BLVD	CONC	Gravity	T103	600	96.5	1974	65	41	24	\$ 75,371	\$ 9,679	\$ 10,503	\$ 95,553	\$ 1,470	\$ 3,981	\$ 153,691	\$ 5,052
86	MANNING RD	AC	Gravity	T_SC001	300	80.6	1974	65	41	24	\$ 46,232	\$ 9,679	\$ 10,194	\$ 66,104	\$ 1,017	\$ 2,754	\$ 106,325	\$ 3,495
87	MANNING RD	AC	Gravity	T_SC001	300	81.4	1974	65	41	24	\$ 46,644	\$ 9,679	\$ 20,387	\$ 76,710	\$ 1,180	\$ 3,196	\$ 123,383	\$ 4,056
88	MANNING RD	AC	Gravity	T_SC001	300	79.7	1974	65	41	24	\$ 42,113	\$ 7,105	\$ 14,621	\$ 63,839	\$ 982	\$ 2,660	\$ 102,681	\$ 3,375
89	MANNING RD	AC	Gravity	T_SC001	300	93.8	1974	65	41	24	\$ 49,527	\$ 7,105	\$ 24,300	\$ 80,932	\$ 1,245	\$ 3,372	\$ 130,173	\$ 4,279
90	MANNING RD	AC	Gravity	T_SC001	300	101.5	1974	65	41	24	\$ 53,543	\$ 7,105	\$ 19,461	\$ 80,108	\$ 1,232	\$ 3,338	\$ 128,848	\$ 4,235
91	MANNING RD	AC	Gravity	T_SC002	300	107.7	1974	65	41	24	\$ 61,677	\$ 9,679	\$ 20,387	\$ 91,743	\$ 1,411	\$ 3,823	\$ 147,563	\$ 4,851
92	MANNING RD	AC	Gravity	T_SC002	300	59.0	1974	65	41	24	\$ 31,199	\$ 7,105	\$ 4,942	\$ 43,246	\$ 665	\$ 1,802	\$ 69,558	\$ 2,286
93	MANNING RD	AC	Gravity	T_SC002	300	79.8	1974	65	41	24	\$ 42,113	\$ 7,105	\$ 24,300	\$ 73,518	\$ 1,131	\$ 3,063	\$ 118,249	\$ 3,887
94	RIVERSIDE DR E	AC	Gravity	T010	250	91.8	1974	65	41	24	\$ 46,335	\$ 7,105	\$ 48,188	\$ 101,628	\$ 1,564	\$ 4,234	\$ 163,462	\$ 5,373
95	TECUMSEH RD	AC	Gravity	T265	300	57.2	1974	65	41	24	\$ 32,743	\$ 9,679	\$ 20,387	\$ 62,809	\$ 966	\$ 2,617	\$ 101,025	\$ 3,321
96	TECUMSEH RD	AC	Gravity	T265	300	58.0	1974	65	41	24	\$ 33,258	\$ 9,679	\$ 10,194	\$ 53,131	\$ 817	\$ 2,214	\$ 85,457	\$ 2,809
97	TECUMSEH RD	AC	Gravity	T267	250	119.0	1974	65	41	24	\$ 65,178	\$ 9,679	\$ 30,375	\$ 105,232	\$ 1,619	\$ 4,385	\$ 169,258	\$ 5,564
98	TECUMSEH RD	AC	Gravity	T267	250	19.6	1974	65	41	24	\$ 10,811	\$ 9,679	\$ 5,148	\$ 25,639	\$ 394	\$ 1,068	\$ 41,238	\$ 1,356
99	ROXBURY CRES	PVC	Gravity	T111	200	89.0	1987	65	28	37	\$ 47,879	\$ 9,679	\$ 30,375	\$ 87,933	\$ 1,353	\$ 2,377	\$ 182,961	\$ 3,386
100	TECUMSEH RD	AC	Gravity	T267	250	97.9	1974	65	41	24	\$ 53,645	\$ 9,679	\$ 25,330	\$ 88,654	\$ 1,364	\$ 3,694	\$ 142,594	\$ 4,687
101	TECUMSEH RD	AC	Gravity	T314	250	17.7	1974	65	41	24	\$ 9,782	\$ 9,679	-	\$ 19,461	\$ 299	\$ 811	\$ 31,301	\$ 1,029
102	SHAWNEE RD	AC	Gravity	T287	250	45.6	1974	65	41	24	\$ 25,021	\$ 9,679	\$ 10,194	\$ 44,893	\$ 691	\$ 1,871	\$ 72,208	\$ 2,374
103	SHAWNEE RD	AC	Gravity	T287	250	94.3	1974	65	41	24	\$ 47,673	\$ 7,105	\$ 38,612	\$ 93,391	\$ 1,437	\$ 3,891	\$ 150,213	\$ 4,938
104	SHAWNEE RD	AC	Gravity	T287	250	94.5	1974	65	41	24	\$ 47,776	\$ 7,105	\$ 57,867	\$ 112,748	\$ 1,735	\$ 4,698	\$ 181,348	\$ 5,961
105	SHAWNEE RD	AC	Gravity	T287	250	87.9	1974	65	41	24	\$ 44,379	\$ 7,105	\$ 38,612	\$ 90,096	\$ 1,386	\$ 3,754	\$ 144,913	\$ 4,763
106	SHAWNEE RD	AC	Gravity	T284	250	95.1	1974	65	41	24	\$ 48,085	\$ 7,105	\$ 43,452	\$ 98,642	\$ 1,518	\$ 4,110	\$ 158,659	\$ 5,215
107	SHAWNEE RD	AC	Gravity	T283	250	86.4	1974	65	41	24	\$ 43,658	\$ 7,105	\$ 38,612	\$ 89,375	\$ 1,375	\$ 3,724	\$ 143,754	\$ 4,725
108	ARBOUR ST	AC	Gravity	T285	250	75.1	1974	65	41	24	\$ 37,995	\$ 7,105	\$ 19,358	\$ 64,457	\$ 992	\$ 2,686	\$ 103,675	\$ 3,408
109	ARBOUR ST	AC	Gravity	T285	250	81.4	1974	65	41	24	\$ 41,084	\$ 7,105	\$ 4,839	\$ 53,028	\$ 816	\$ 2,209	\$ 85,292	\$ 2,804
110	ARBOUR ST	AC	Gravity	T286	250	82.7	1974	65	41	24	\$ 41,804	\$ 7,105	\$ 14,518	\$ 63,427	\$ 976	\$ 2,643	\$ 102,019	\$ 3,353

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
111	GRACE RD	AC	Gravity	T101	300	100.1	1974	65	41	24	\$ 57,352	\$ 9,679	\$ 45,820	\$ 112,851	\$ 1,736	\$ 4,702	\$ 181,514	\$ 5,967
112	GRACE RD	AC	Gravity	T101	300	98.0	1974	65	41	24	\$ 56,220	\$ 9,679	\$ 40,775	\$ 106,673	\$ 1,641	\$ 4,445	\$ 171,577	\$ 5,640
113	GRACE RD	AC	Gravity	T101	300	97.4	1974	65	41	24	\$ 51,380	\$ 7,105	\$ 29,139	\$ 87,624	\$ 1,348	\$ 3,651	\$ 140,938	\$ 4,633
114	GRACE RD	AC	Gravity	T101	300	78.8	1974	65	41	24	\$ 45,202	\$ 9,679	\$ 20,387	\$ 75,268	\$ 1,158	\$ 3,136	\$ 121,065	\$ 3,980
115	GRACE RD	AC	Gravity	T101	300	77.1	1974	65	41	24	\$ 44,173	\$ 9,679	\$ 50,865	\$ 104,717	\$ 1,611	\$ 4,363	\$ 168,430	\$ 5,536
116	GRACE RD	AC	Gravity	T101	300	82.1	1974	65	41	24	\$ 47,056	\$ 9,679	\$ 40,775	\$ 97,509	\$ 1,500	\$ 4,063	\$ 156,837	\$ 5,155
117	GRACE RD	AC	Gravity	T101	300	23.8	1974	65	41	24	\$ 13,695	\$ 9,679	\$ 5,148	\$ 28,522	\$ 439	\$ 1,188	\$ 45,875	\$ 1,508
118	GRACE RD	AC	Gravity	T181	300	83.0	1974	65	41	24	\$ 47,570	\$ 9,679	\$ 30,581	\$ 87,830	\$ 1,351	\$ 3,660	\$ 141,270	\$ 4,644
119	ARBOUR ST	PVC	Gravity	T286	250	101.2	1992	65	23	42	\$ 51,174	\$ 7,105	\$ 9,679	\$ 67,958	\$ 1,046	\$ 1,618	\$ 156,116	\$ 2,407
120	GRACE RD	AC	Gravity	T181	300	82.5	1974	65	41	24	\$ 47,262	\$ 9,679	\$ 40,775	\$ 97,715	\$ 1,503	\$ 4,071	\$ 157,169	\$ 5,166
121	GRACE RD	AC	Gravity	T181	300	84.0	1974	65	41	24	\$ 48,188	\$ 9,679	\$ 56,014	\$ 113,881	\$ 1,752	\$ 4,745	\$ 183,170	\$ 6,021
122	RIVERSIDE DR E	AC	Gravity	T005	250	60.1	1974	65	41	24	\$ 32,949	\$ 9,679	\$ 30,375	\$ 73,003	\$ 1,123	\$ 3,042	\$ 117,421	\$ 3,860
123	RIVERSIDE DR E	AC	Gravity	T008	250	94.7	1974	65	41	24	\$ 47,879	\$ 7,105	\$ 33,773	\$ 88,757	\$ 1,365	\$ 3,698	\$ 142,760	\$ 4,693
124	RIVERSIDE DR E	AC	Gravity	T007	250	57.3	1974	65	41	24	\$ 28,934	\$ 7,105	\$ 28,934	\$ 64,972	\$ 1,000	\$ 2,707	\$ 104,503	\$ 3,435
125	RIVERSIDE DR E	AC	Gravity	T007	250	64.9	1974	65	41	24	\$ 32,846	\$ 7,105	\$ 24,094	\$ 64,045	\$ 985	\$ 2,669	\$ 103,013	\$ 3,386
126	RIVERSIDE DR E	AC	Gravity	T007	250	19.5	1974	65	41	24	\$ 9,885	\$ 7,105	-	\$ 16,989	\$ 261	\$ 708	\$ 27,326	\$ 898
127	RIVERSIDE DR E	AC	Gravity	T006	250	56.6	1974	65	41	24	\$ 31,096	\$ 9,679	\$ 20,284	\$ 61,059	\$ 939	\$ 2,544	\$ 98,210	\$ 3,228
128	RIVERSIDE DR E	AC	Gravity	T006	250	59.1	1974	65	41	24	\$ 32,434	\$ 9,679	\$ 25,330	\$ 67,443	\$ 1,038	\$ 2,810	\$ 108,478	\$ 3,566
129	RIVERSIDE DR E	AC	Gravity	T010	250	87.8	1974	65	41	24	\$ 44,276	\$ 7,105	\$ 28,934	\$ 80,314	\$ 1,236	\$ 3,346	\$ 129,180	\$ 4,246
130	RIVERSIDE DR E	AC	Gravity	T011	250	103.0	1974	65	41	24	\$ 56,529	\$ 9,679	\$ 35,420	\$ 101,628	\$ 1,564	\$ 4,234	\$ 163,462	\$ 5,373
131	RIVERSIDE DR E	AC	Gravity	T012	250	100.8	1974	65	41	24	\$ 50,865	\$ 7,105	\$ 38,612	\$ 96,582	\$ 1,486	\$ 4,024	\$ 155,347	\$ 5,106
132	DILLON DR	PVC	Gravity	T017	200	76.8	1987	65	28	37	\$ 38,098	\$ 7,105	\$ 28,934	\$ 74,136	\$ 1,141	\$ 2,004	\$ 154,253	\$ 2,855
133	BURDICK CRES	AC	Gravity	T070	250	93.2	1974	65	41	24	\$ 47,056	\$ 7,105	\$ 19,358	\$ 73,518	\$ 1,131	\$ 3,063	\$ 118,249	\$ 3,887
134	BURDICK CRES	AC	Gravity	T075	250	53.5	1974	65	41	24	\$ 27,080	\$ 7,105	\$ 4,839	\$ 39,024	\$ 600	\$ 1,626	\$ 62,768	\$ 2,063
135	BURDICK CRES	AC	Gravity	T075	250	41.8	1974	65	41	24	\$ 21,108	\$ 7,105	\$ 19,358	\$ 47,570	\$ 732	\$ 1,982	\$ 76,514	\$ 2,515
136	BURDICK CRES	AC	Gravity	T075	250	50.7	1974	65	41	24	\$ 25,639	\$ 7,105	\$ 24,094	\$ 56,837	\$ 874	\$ 2,368	\$ 91,419	\$ 3,005
137	BURDICK CRES	AC	Gravity	T075	250	52.9	1974	65	41	24	\$ 26,771	\$ 7,105	\$ 14,518	\$ 48,394	\$ 745	\$ 2,016	\$ 77,839	\$ 2,559
138	BARRY AVE	AC	Gravity	T033	300	86.1	1974	65	41	24	\$ 45,408	\$ 7,105	\$ 14,621	\$ 67,134	\$ 1,033	\$ 2,797	\$ 107,981	\$ 3,549
139	BARRY AVE	AC	Gravity	T077	250	98.5	1974	65	41	24	\$ 49,733	\$ 7,105	\$ 19,358	\$ 76,195	\$ 1,172	\$ 3,175	\$ 122,555	\$ 4,029
140	BARRY AVE	AC	Gravity	T077	250	93.7	1974	65	41	24	\$ 47,262	\$ 7,105	\$ 43,452	\$ 97,818	\$ 1,505	\$ 4,076	\$ 157,334	\$ 5,172
141	BARRY AVE	AC	Gravity	T077	250	75.6	1974	65	41	24	\$ 38,201	\$ 7,105	\$ 28,934	\$ 74,239	\$ 1,142	\$ 3,093	\$ 119,408	\$ 3,925
142	BARRY AVE	AC	Gravity	T082	250	56.7	1974	65	41	24	\$ 31,096	\$ 9,679	\$ 30,375	\$ 71,150	\$ 1,095	\$ 2,965	\$ 114,440	\$ 3,762
143	BARRY AVE	AC	Gravity	T082	250	57.2	1974	65	41	24	\$ 31,405	\$ 9,679	\$ 10,194	\$ 51,277	\$ 789	\$ 2,137	\$ 82,476	\$ 2,711
144	MASON PL	AC	Gravity	T074	250	81.6	1974	65	41	24	\$ 41,187	\$ 7,105	\$ 24,094	\$ 72,385	\$ 1,114	\$ 3,016	\$ 116,427	\$ 3,827
145	MASON PL	AC	Gravity	T076	250	104.6	1974	65	41	24	\$ 52,822	\$ 7,105	\$ 38,612	\$ 98,539	\$ 1,516	\$ 4,106	\$ 158,494	\$ 5,210
146	KEITH AVE	AC	Gravity	T071	250	77.0	1974	65	41	24	\$ 38,921	\$ 7,105	\$ 19,358	\$ 65,384	\$ 1,006	\$ 2,724	\$ 105,166	\$ 3,457
147	PERCY PL	AC	Gravity	T066	250	94.5	1974	65	41	24	\$ 57,867	\$ 16,166	\$ 26,565	\$ 100,598	\$ 1,548	\$ 4,192	\$ 161,806	\$ 5,319
148	LESPERANCE RD	AC	Gravity	T022	250	41.4	1974	65	41	24	\$ 22,756	\$ 9,679	\$ 5,148	\$ 37,583	\$ 578	\$ 1,566	\$ 60,449	\$ 1,987
149	LESPERANCE RD	AC	Gravity	T022	250	17.2	1974	65	41	24	\$ 9,473	\$ 9,679	\$ 5,148	\$ 24,300	\$ 374	\$ 1,013	\$ 39,085	\$ 1,285
150	LESPERANCE RD	AC	Gravity	T022	250	86.6	1974	65	41	24	\$ 47,468	\$ 9,679	\$ 35,420	\$ 92,567	\$ 1,424	\$ 3,857	\$ 148,888	\$ 4,894
151	LESPERANCE RD	AC	Gravity	T022	250	87.9	1974	65	41	24	\$ 48,188	\$ 9,679	\$ 35,420	\$ 93,288	\$ 1,435	\$ 3,887	\$ 150,047	\$ 4,932
152	LESPERANCE RD	AC	Gravity	T022	250	86.0	1974	65	41	24	\$ 52,616	\$ 16,166	\$ 26,565	\$ 95,347	\$ 1,467	\$ 3,973	\$ 153,359	\$ 5,041
153	LESPERANCE RD	AC	Gravity	T056	250	84.1	1974	65	41	24	\$ 51,483	\$ 16,166	\$ 26,565	\$ 94,214	\$ 1,449	\$ 3,926	\$ 151,538	\$ 4,981
154	LESPERANCE RD	AC	Gravity	T056	250	83.4	1974	65	41	24	\$ 51,071	\$ 16,166	\$ 37,171	\$ 104,408	\$ 1,606	\$ 4,350	\$ 167,934	\$ 5,520
155	LESPERANCE RD	AC	Gravity	T056	250	76.1	1974	65	41	24	\$ 46,644	\$ 16,166	\$ 21,211	\$ 84,021	\$ 1,293	\$ 3,501	\$ 135,142	\$ 4,442
156	LESPERANCE RD	AC	Gravity	T057	250	86.1	1974	65	41	24	\$ 61,883	\$ 19,358	\$ 27,698	\$ 108,938	\$ 1,676	\$ 4,539	\$ 175,221	\$ 5,760
157	LESPERANCE RD	CONC	Gravity	T109	750	106.4	1974	65	41	24	\$ 120,574	\$ 20,593	\$ 32,949	\$ 174,116	\$ 2,679	\$ 7,255	\$ 280,055	\$ 9,206
158	LESPERANCE RD	CONC	Gravity	T118	750	108.5	1974	65	41	24	\$ 122,942	\$ 16,166	\$ 49,321	\$ 188,428	\$ 2,899	\$ 7,851	\$ 303,075	\$ 9,962
159	LESPERANCE RD	CONC	Gravity	T121	750	78.3	1974	65	41	24	\$ 88,654	\$ 20,593	\$ 32,949	\$ 142,197	\$ 2,188	\$ 5,925	\$ 228,714	\$ 7,518
160	LESPERANCE RD	CONC	Gravity	T121	750	78.5	1974	65	41	24	\$ 88,963	\$ 20,593	\$ 32,949	\$ 142,505	\$ 2,192	\$ 5,938	\$ 229,211	\$ 7,534
161	LESPERANCE RD	CONC	Gravity	T126	675	107.5	1974	65	41	24	\$ 106,673	\$ 20,593	\$ 38,303	\$ 165,570	\$ 2,547	\$ 6,899	\$ 266,309	\$ 8,754
162	LESPERANCE RD	CONC	Gravity	T123	675	104.9	1974	65	41	24	\$ 104,099	\$ 20,593	\$ 27,389	\$ 152,081	\$ 2,340	\$ 6,337	\$ 244,613	\$ 8,041
163	LESPERANCE RD	CONC	Gravity	T149	675	107.4	1974	65	41	24	\$ 106,467	\$ 20,593	\$ 38,303	\$ 165,364	\$ 2,544	\$ 6,890	\$ 265,978	\$ 8,743
164	LESPERANCE RD	CONC	Gravity	T187	675	98.3	1974	65	41	24	\$ 97,509	\$ 20,593	\$ 27,389	\$ 145,491	\$ 2,238	\$ 6,062	\$ 234,014	\$ 7,692
165	LESPERANCE RD	CONC	Gravity	T211	675	84.1	1974	65	41	24	\$ 74,548	\$ 18,740	\$ 31,405	\$ 124,692	\$ 1,918	\$ 5,196	\$ 200,560	\$ 6,593

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
166	LESPEANCE RD	CONC	Gravity	T211	675	103.2	1974	65	41	24	\$ 91,434	\$ 18,740	\$ 31,405	\$ 141,579	\$ 2,178	\$ 5,899	\$ 227,721	\$ 7,485
167	LESPEANCE RD	CONC	Gravity	T211	675	111.4	1974	65	41	24	\$ 98,745	\$ 18,740	\$ 62,707	\$ 180,191	\$ 2,772	\$ 7,508	\$ 289,826	\$ 9,527
168	LESPEANCE RD	CONC	Gravity	T212	600	63.9	1974	65	41	24	\$ 49,939	\$ 18,740	\$ 20,902	\$ 89,581	\$ 1,378	\$ 3,733	\$ 144,085	\$ 4,736
169	LESPEANCE RD	CONC	Gravity	T247	600	44.5	1974	65	41	24	\$ 34,803	\$ 9,679	\$ 10,503	\$ 54,984	\$ 846	\$ 2,291	\$ 88,438	\$ 2,907
170	LESPEANCE RD	CONC	Gravity	T245	600	69.7	1974	65	41	24	\$ 54,469	\$ 9,679	\$ -	\$ 64,148	\$ 987	\$ 2,673	\$ 103,178	\$ 3,392
171	RIVERSIDE DR E	AC	Gravity	T012	250	99.0	1974	65	41	24	\$ 49,939	\$ 7,105	\$ 53,028	\$ 110,071	\$ 1,693	\$ 4,586	\$ 177,042	\$ 5,820
172	RIVERSIDE DR E	AC	Gravity	T012	250	102.4	1974	65	41	24	\$ 51,689	\$ 7,105	\$ 57,867	\$ 116,661	\$ 1,795	\$ 4,861	\$ 187,642	\$ 6,168
173	RIVERSIDE DR E	AC	Gravity	T012	250	91.5	1974	65	41	24	\$ 46,232	\$ 7,105	\$ 43,452	\$ 96,788	\$ 1,489	\$ 4,033	\$ 155,678	\$ 5,117
174	RIVERSIDE DR E	AC	Gravity	T013	300	66.6	1974	65	41	24	\$ 35,215	\$ 7,105	\$ 24,300	\$ 66,619	\$ 1,025	\$ 2,776	\$ 107,153	\$ 3,522
175	RIVERSIDE DR E	AC	Gravity	T013	300	79.9	1974	65	41	24	\$ 42,216	\$ 7,105	\$ 48,497	\$ 97,818	\$ 1,505	\$ 4,076	\$ 157,334	\$ 5,172
176	RIVERSIDE DR E	AC	Gravity	T013	300	94.0	1974	65	41	24	\$ 49,630	\$ 7,105	\$ 33,979	\$ 90,713	\$ 1,396	\$ 3,780	\$ 145,907	\$ 4,796
177	RIVERSIDE DR E	AC	Gravity	T013	300	94.4	1974	65	41	24	\$ 49,836	\$ 7,105	\$ 24,300	\$ 81,240	\$ 1,250	\$ 3,385	\$ 130,670	\$ 4,295
178	RIVERSIDE DR E	AC	Gravity	T013	250	88.9	1974	65	41	24	\$ 44,893	\$ 7,105	\$ 33,773	\$ 85,771	\$ 1,320	\$ 3,574	\$ 137,957	\$ 4,535
179	RIVERSIDE DR E	AC	Gravity	T013	250	83.7	1974	65	41	24	\$ 45,923	\$ 9,679	\$ 40,466	\$ 96,068	\$ 1,478	\$ 4,003	\$ 154,519	\$ 5,079
180	RIVERSIDE DR E	AC	Gravity	T014	250	78.1	1974	65	41	24	\$ 42,834	\$ 9,679	\$ 30,375	\$ 82,888	\$ 1,275	\$ 3,454	\$ 133,320	\$ 4,382
181	RIVERSIDE DR E	AC	Gravity	T014	250	78.3	1974	65	41	24	\$ 39,539	\$ 7,105	\$ 14,518	\$ 61,162	\$ 941	\$ 2,548	\$ 98,375	\$ 3,234
182	RIVERSIDE DR E	AC	Gravity	T014	250	94.0	1974	65	41	24	\$ 47,468	\$ 7,105	\$ 48,188	\$ 102,760	\$ 1,581	\$ 4,282	\$ 165,284	\$ 5,433
183	RIVERSIDE DR E	AC	Gravity	T014	300	105.9	1974	65	41	24	\$ 55,808	\$ 7,105	\$ 38,818	\$ 101,731	\$ 1,565	\$ 4,239	\$ 163,628	\$ 5,379
184	RIVERSIDE DR E	AC	Gravity	T014	300	104.0	1974	65	41	24	\$ 54,881	\$ 7,105	\$ 43,658	\$ 105,644	\$ 1,625	\$ 4,402	\$ 169,921	\$ 5,585
185	RIVERSIDE DR E	AC	Gravity	T015	250	68.2	1974	65	41	24	\$ 34,391	\$ 7,105	\$ 19,358	\$ 60,853	\$ 936	\$ 2,536	\$ 97,878	\$ 3,217
186	RIVERSIDE DR E	AC	Gravity	T015	250	58.1	1974	65	41	24	\$ 29,345	\$ 7,105	\$ 28,934	\$ 65,384	\$ 1,006	\$ 2,724	\$ 105,166	\$ 3,457
187	ARBOUR ST	AC	Gravity	T286	250	61.5	1974	65	41	24	\$ 31,096	\$ 7,105	\$ 4,839	\$ 43,040	\$ 662	\$ 1,793	\$ 69,227	\$ 2,276
188	POISSON ST	AC	Gravity	T297	250	92.0	1974	65	41	24	\$ 46,438	\$ 7,105	\$ 38,612	\$ 92,155	\$ 1,418	\$ 3,840	\$ 148,225	\$ 4,872
189	ST ANNE BLVD	AC	Gravity	T298	250	95.9	1974	65	41	24	\$ 48,497	\$ 7,105	\$ 48,188	\$ 103,790	\$ 1,597	\$ 4,325	\$ 166,940	\$ 5,487
190	ST ANNE BLVD	AC	Gravity	T295	250	96.0	1974	65	41	24	\$ 48,497	\$ 7,105	\$ 19,358	\$ 74,960	\$ 1,153	\$ 3,123	\$ 120,568	\$ 3,963
191	ST ANNE BLVD	AC	Gravity	T290	250	12.4	1974	65	41	24	\$ 6,281	\$ 7,105	\$ 4,839	\$ 18,225	\$ 280	\$ 759	\$ 29,314	\$ 964
192	ST ANNE BLVD	AC	Gravity	T290	250	75.6	1974	65	41	24	\$ 38,201	\$ 7,105	\$ 38,612	\$ 83,918	\$ 1,291	\$ 3,497	\$ 134,976	\$ 4,437
193	ST ANNE BLVD	AC	Gravity	T288	250	91.2	1974	65	41	24	\$ 46,026	\$ 7,105	\$ 28,934	\$ 82,064	\$ 1,263	\$ 3,419	\$ 131,995	\$ 4,339
194	ST ANNE BLVD	AC	Gravity	T288	250	82.9	1974	65	41	24	\$ 41,907	\$ 7,105	\$ 19,358	\$ 68,370	\$ 1,052	\$ 2,849	\$ 109,968	\$ 3,615
195	BEDELL ST	AC	Gravity	T314	250	70.2	1974	65	41	24	\$ 38,509	\$ 9,679	\$ 15,239	\$ 63,427	\$ 976	\$ 2,643	\$ 102,019	\$ 3,353
196	BEDELL ST	AC	Gravity	T314	250	33.6	1974	65	41	24	\$ 18,431	\$ 9,679	\$ -	\$ 28,110	\$ 432	\$ 1,171	\$ 45,213	\$ 1,486
197	BEDELL ST	AC	Gravity	T309	250	62.0	1974	65	41	24	\$ 33,979	\$ 9,679	\$ 25,330	\$ 68,987	\$ 1,061	\$ 2,874	\$ 110,962	\$ 3,647
198	BEDELL ST	AC	Gravity	T309	250	49.2	1974	65	41	24	\$ 26,977	\$ 9,679	\$ 25,330	\$ 61,986	\$ 954	\$ 2,583	\$ 99,700	\$ 3,277
199	BEDELL ST	AC	Gravity	T306	250	113.4	1974	65	41	24	\$ 62,192	\$ 9,679	\$ 50,659	\$ 122,530	\$ 1,885	\$ 5,105	\$ 197,082	\$ 6,478
200	LANOUE ST	AC	Gravity	T313	250	87.3	1974	65	41	24	\$ 44,070	\$ 7,105	\$ 57,867	\$ 109,041	\$ 1,678	\$ 4,543	\$ 175,386	\$ 5,765
201	LANOUE ST	AC	Gravity	T313	250	86.2	1974	65	41	24	\$ 47,262	\$ 9,679	\$ 25,330	\$ 82,270	\$ 1,266	\$ 3,428	\$ 132,326	\$ 4,350
202	LANOUE ST	AC	Gravity	T315	250	79.6	1974	65	41	24	\$ 43,658	\$ 9,679	\$ 25,330	\$ 78,666	\$ 1,210	\$ 3,278	\$ 126,530	\$ 4,159
203	LANOUE ST	AC	Gravity	T315	250	67.0	1974	65	41	24	\$ 33,876	\$ 7,105	\$ 38,612	\$ 79,593	\$ 1,225	\$ 3,316	\$ 128,020	\$ 4,208
204	WINCLARE DR	PVC	Gravity	T002	200	107.9	1993	65	22	43	\$ 53,440	\$ 7,105	\$ 57,867	\$ 118,411	\$ 1,822	\$ 2,754	\$ 277,460	\$ 4,131
205	RIVERSIDE DR E	AC	Gravity	T001	250	36.8	1974	65	41	24	\$ 18,637	\$ 7,105	\$ 14,518	\$ 40,260	\$ 619	\$ 1,677	\$ 64,755	\$ 2,129
206	RIVERSIDE DR E	AC	Gravity	T003	250	62.8	1974	65	41	24	\$ 31,714	\$ 7,105	\$ 14,518	\$ 53,337	\$ 821	\$ 2,222	\$ 85,789	\$ 2,820
207	TECUMSEH RD	PVC	Gravity	T265	300	119.5	1981	65	34	31	\$ 68,473	\$ 9,679	\$ 10,194	\$ 88,345	\$ 1,359	\$ 2,850	\$ 163,226	\$ 3,852
208	LESPEANCE RD	PVC	Gravity	T312	300	11.9	1981	65	34	31	\$ 6,899	\$ 9,679	\$ -	\$ 16,578	\$ 255	\$ 535	\$ 30,629	\$ 723
209	SOUTHFIELD DR	PVC	Gravity	T270	200	100.5	1996	65	19	46	\$ 54,057	\$ 9,679	\$ 136,636	\$ 200,373	\$ 3,083	\$ 4,356	\$ 498,249	\$ 6,703
210	LESPEANCE RD	CONC	Gravity	T266	600	52.5	1974	65	41	24	\$ 45,923	\$ 16,166	\$ 21,932	\$ 84,021	\$ 1,293	\$ 3,501	\$ 135,142	\$ 4,442
211	LESPEANCE RD	CONC	Gravity	T312	600	82.3	1974	65	41	24	\$ 64,251	\$ 9,679	\$ 15,754	\$ 89,684	\$ 1,380	\$ 3,737	\$ 144,251	\$ 4,742
212	LESPEANCE RD	CONC	Gravity	T311	600	64.5	1974	65	41	24	\$ 50,351	\$ 9,679	\$ 15,754	\$ 75,783	\$ 1,166	\$ 3,158	\$ 121,893	\$ 4,007
213	LESPEANCE RD	CONC	Gravity	T311	600	16.9	1974	65	41	24	\$ 13,283	\$ 9,679	\$ 5,251	\$ 28,213	\$ 434	\$ 1,176	\$ 45,378	\$ 1,492
214	LESPEANCE RD	CONC	Gravity	T307	600	109.9	1974	65	41	24	\$ 85,874	\$ 9,679	\$ 47,056	\$ 142,608	\$ 2,194	\$ 5,942	\$ 229,377	\$ 7,540
215	LESPEANCE RD	AC	Gravity	T299	250	12.4	1974	65	41	24	\$ 6,281	\$ 7,105	\$ -	\$ 13,386	\$ 206	\$ 558	\$ 21,530	\$ 708
216	LESPEANCE RD	AC	Gravity	T299	250	78.4	1974	65	41	24	\$ 39,642	\$ 7,105	\$ 19,358	\$ 66,104	\$ 1,017	\$ 2,754	\$ 106,325	\$ 3,495
217	BRENDA CRES	PVC	Gravity	T162	200	118.5	1989	65	26	39	\$ 58,794	\$ 7,105	\$ 53,028	\$ 118,926	\$ 1,830	\$ 3,049	\$ 257,445	\$ 4,421
218	LESPEANCE RD	AC	Gravity	T299	250	71.0	1974	65	41	24	\$ 35,832	\$ 7,105	\$ 24,094	\$ 67,031	\$ 1,031	\$ 2,793	\$ 107,815	\$ 3,544
219	ST PIERRE ST	AC	Gravity	T024	250	107.7	1974	65	41	24	\$ 54,366	\$ 7,105	\$ 28,934	\$ 90,404	\$ 1,391	\$ 3,767	\$ 145,410	\$ 4,780
220	ST PIERRE ST	AC	Gravity	T024	250	105.3	1974	65	41	24	\$ 57,764	\$ 9,679	\$ 55,705	\$ 123,148	\$ 1,895	\$ 5,131	\$ 198,075	\$ 6,511

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
221	ST PIERRE ST	AC	Gravity	T060	250	92.3	1974	65	41	24	\$ 50,659	\$ 9,679	\$ 45,614	\$ 105,952	\$ 1,630	\$ 4,415	\$ 170,418	\$ 5,602
222	ST PIERRE ST	AC	Gravity	T060	250	25.6	1974	65	41	24	\$ 14,106	\$ 9,679	\$ 15,239	\$ 39,024	\$ 600	\$ 1,626	\$ 62,768	\$ 2,063
223	ST PIERRE ST	AC	Gravity	T060	250	93.1	1974	65	41	24	\$ 66,928	\$ 19,358	\$ 49,939	\$ 136,225	\$ 2,096	\$ 5,676	\$ 219,109	\$ 7,202
224	ST PIERRE ST	AC	Gravity	T129	450	104.0	1974	65	41	24	\$ 84,021	\$ 19,358	\$ 51,277	\$ 154,656	\$ 2,379	\$ 6,444	\$ 248,754	\$ 8,177
225	ST PIERRE ST	AC	Gravity	T129	450	92.1	1974	65	41	24	\$ 63,427	\$ 16,166	\$ 43,555	\$ 123,148	\$ 1,895	\$ 5,131	\$ 198,075	\$ 6,511
226	ST PIERRE ST	AC	Gravity	T129	450	98.0	1974	65	41	24	\$ 67,443	\$ 16,166	\$ 76,195	\$ 159,804	\$ 2,459	\$ 6,658	\$ 257,034	\$ 8,449
227	ST PIERRE ST	AC	Gravity	T129	450	99.2	1974	65	41	24	\$ 68,267	\$ 16,166	\$ 70,738	\$ 155,170	\$ 2,387	\$ 6,465	\$ 249,582	\$ 8,204
228	ST PIERRE ST	AC	Gravity	T129	450	98.0	1974	65	41	24	\$ 67,443	\$ 16,166	\$ 49,012	\$ 132,621	\$ 2,040	\$ 5,526	\$ 213,312	\$ 7,012
229	ST PIERRE ST	AC	Gravity	T129	450	96.4	1974	65	41	24	\$ 59,515	\$ 9,679	\$ 46,747	\$ 115,940	\$ 1,784	\$ 4,831	\$ 186,482	\$ 6,130
230	ST PIERRE ST	AC	Gravity	T151	300	17.9	1974	65	41	24	\$ 10,297	\$ 9,679	\$ -	\$ 19,975	\$ 307	\$ 832	\$ 32,129	\$ 1,056
231	ST PIERRE ST	AC	Gravity	T151	300	73.1	1974	65	41	24	\$ 41,907	\$ 9,679	\$ 40,775	\$ 92,361	\$ 1,421	\$ 3,848	\$ 148,557	\$ 4,883
232	ST PIERRE ST	AC	Gravity	T151	300	74.2	1974	65	41	24	\$ 42,525	\$ 9,679	\$ 40,775	\$ 92,979	\$ 1,430	\$ 3,874	\$ 149,550	\$ 4,916
233	ST PIERRE ST	AC	Gravity	T151	300	73.6	1974	65	41	24	\$ 42,216	\$ 9,679	\$ 45,820	\$ 97,715	\$ 1,503	\$ 4,071	\$ 157,169	\$ 5,166
234	ST PIERRE ST	AC	Gravity	T197	300	67.5	1974	65	41	24	\$ 38,715	\$ 9,679	\$ 25,433	\$ 73,827	\$ 1,136	\$ 3,076	\$ 118,746	\$ 3,903
235	ST PIERRE ST	AC	Gravity	T197	300	101.8	1974	65	41	24	\$ 58,382	\$ 9,679	\$ 71,253	\$ 139,314	\$ 2,143	\$ 5,805	\$ 224,077	\$ 7,366
236	ST PIERRE ST	AC	Gravity	T197	300	96.3	1974	65	41	24	\$ 50,865	\$ 7,105	\$ 63,015	\$ 120,985	\$ 1,861	\$ 5,041	\$ 194,598	\$ 6,397
237	DILLON DR	PVC	Gravity	T034	200	37.3	1987	65	28	37	\$ 20,078	\$ 9,679	\$ 40,466	\$ 70,223	\$ 1,080	\$ 1,898	\$ 146,112	\$ 2,704
238	DILLON DR	PVC	Gravity	T034	200	82.0	1979	65	36	29	\$ 44,070	\$ 9,679	\$ 35,420	\$ 89,169	\$ 1,372	\$ 3,075	\$ 158,350	\$ 4,082
239	DILLON DR	PVC	Gravity	T035	200	87.7	1979	65	36	29	\$ 43,452	\$ 7,105	\$ 48,188	\$ 98,745	\$ 1,519	\$ 3,405	\$ 175,355	\$ 4,520
240	DILLON DR	PVC	Gravity	T035	200	90.6	1992	65	23	42	\$ 44,893	\$ 7,105	\$ 53,028	\$ 105,026	\$ 1,616	\$ 2,501	\$ 241,270	\$ 3,720
241	DILLON DR	PVC	Gravity	T035	200	31.5	1992	65	23	42	\$ 15,651	\$ 7,105	\$ 9,679	\$ 32,434	\$ 499	\$ 772	\$ 74,510	\$ 1,149
242	ST THOMAS ST	PVC	Gravity	T165	300	12.8	1988	65	27	38	\$ 7,414	\$ 9,679	\$ -	\$ 17,092	\$ 263	\$ 450	\$ 36,275	\$ 646
243	ST THOMAS ST	PVC	Gravity	T165	300	101.0	1993	65	22	43	\$ 57,867	\$ 9,679	\$ 10,194	\$ 77,740	\$ 1,196	\$ 1,808	\$ 182,159	\$ 2,712
244	LACASSE BLVD	AC	Gravity	T157	350	79.9	1974	65	41	24	\$ 47,776	\$ 9,679	\$ 10,297	\$ 67,752	\$ 1,042	\$ 2,823	\$ 108,975	\$ 3,582
245	LACASSE BLVD	AC	Gravity	T157	350	79.7	1974	65	41	24	\$ 47,673	\$ 9,679	\$ 30,684	\$ 88,036	\$ 1,354	\$ 3,668	\$ 141,601	\$ 4,655
246	LACASSE BLVD	AC	Gravity	T157	350	81.8	1974	65	41	24	\$ 48,909	\$ 9,679	\$ 20,490	\$ 79,078	\$ 1,217	\$ 3,295	\$ 127,192	\$ 4,181
247	LACASSE BLVD	AC	Gravity	T207	350	101.7	1974	65	41	24	\$ 60,853	\$ 9,679	\$ 46,026	\$ 116,558	\$ 1,793	\$ 4,857	\$ 187,476	\$ 6,163
248	LACASSE BLVD	AC	Gravity	T204	350	67.8	1974	65	41	24	\$ 40,569	\$ 9,679	\$ 20,490	\$ 70,738	\$ 1,088	\$ 2,947	\$ 113,777	\$ 3,740
249	LACASSE BLVD	AC	Gravity	T201	350	86.3	1974	65	41	24	\$ 51,586	\$ 9,679	\$ 30,684	\$ 91,949	\$ 1,415	\$ 3,831	\$ 147,894	\$ 4,861
250	LACASSE BLVD	AC	Gravity	T201	350	84.9	1974	65	41	24	\$ 50,762	\$ 9,679	\$ 20,490	\$ 80,932	\$ 1,245	\$ 3,372	\$ 130,173	\$ 4,279
251	LACASSE BLVD	AC	Gravity	T219	350	95.8	1974	65	41	24	\$ 57,249	\$ 9,679	\$ 35,832	\$ 102,760	\$ 1,581	\$ 4,282	\$ 165,284	\$ 5,433
252	LACASSE BLVD	AC	Gravity	T219	350	94.1	1974	65	41	24	\$ 56,220	\$ 9,679	\$ 20,490	\$ 86,389	\$ 1,329	\$ 3,600	\$ 138,951	\$ 4,567
253	LACASSE BLVD	AC	Gravity	T218	350	94.2	1974	65	41	24	\$ 56,323	\$ 9,679	\$ 46,026	\$ 112,027	\$ 1,723	\$ 4,668	\$ 180,189	\$ 5,923
254	LACASSE BLVD	AC	Gravity	T252	300	102.9	1974	65	41	24	\$ 54,263	\$ 7,105	\$ 14,621	\$ 75,989	\$ 1,169	\$ 3,166	\$ 122,224	\$ 4,018
255	LACASSE BLVD	AC	Gravity	T252	300	86.5	1974	65	41	24	\$ 45,614	\$ 7,105	\$ 4,942	\$ 57,661	\$ 887	\$ 2,403	\$ 92,744	\$ 3,049
256	EVERGREEN DR	AC	Gravity	T120	250	89.1	1974	65	41	24	\$ 44,996	\$ 7,105	\$ 24,094	\$ 76,195	\$ 1,172	\$ 3,175	\$ 122,555	\$ 4,029
257	EVERGREEN DR	AC	Gravity	T120	250	82.6	1974	65	41	24	\$ 45,305	\$ 9,679	\$ 35,420	\$ 90,404	\$ 1,391	\$ 3,767	\$ 145,410	\$ 4,780
258	EVERGREEN DR	AC	Gravity	T120	250	86.7	1974	65	41	24	\$ 47,570	\$ 9,679	\$ 15,239	\$ 72,488	\$ 1,115	\$ 3,020	\$ 116,593	\$ 3,833
259	CLAPP ST	AC	Gravity	T128	350	102.2	1974	65	41	24	\$ 61,059	\$ 9,679	\$ 25,639	\$ 96,377	\$ 1,483	\$ 4,016	\$ 155,016	\$ 5,096
260	CLAPP ST	AC	Gravity	T130	350	82.9	1974	65	41	24	\$ 49,527	\$ 9,679	\$ 25,639	\$ 84,844	\$ 1,305	\$ 3,535	\$ 136,467	\$ 4,486
261	CLAPP ST	AC	Gravity	T132	350	86.1	1974	65	41	24	\$ 51,483	\$ 9,679	\$ 20,490	\$ 81,652	\$ 1,256	\$ 3,402	\$ 131,333	\$ 4,317
262	WILLIAM ST	AC	Gravity	T153	300	100.7	1974	65	41	24	\$ 57,661	\$ 9,679	\$ 56,014	\$ 123,354	\$ 1,898	\$ 5,140	\$ 198,407	\$ 6,522
263	WILLIAM ST	AC	Gravity	T153	300	93.5	1974	65	41	24	\$ 49,321	\$ 7,105	\$ 63,015	\$ 119,441	\$ 1,838	\$ 4,977	\$ 192,113	\$ 6,315
264	PAPINEAU CRT	AC	Gravity	T124	200	101.1	1977	65	38	27	\$ 50,145	\$ 7,105	\$ 67,443	\$ 124,692	\$ 1,918	\$ 4,618	\$ 212,836	\$ 6,022
265	PAPINEAU CRT	AC	Gravity	T124	200	97.0	1977	65	38	27	\$ 52,204	\$ 9,679	\$ 50,659	\$ 112,542	\$ 1,731	\$ 4,168	\$ 192,097	\$ 5,435
266	PAPINEAU CRT	AC	Gravity	T124	200	26.9	1977	65	38	27	\$ 14,518	\$ 9,679	\$ -	\$ 24,197	\$ 372	\$ 896	\$ 41,302	\$ 1,169
267	MEANDER CRES	PVC	Gravity	T131	200	22.4	1990	65	25	40	\$ 11,120	\$ 7,105	\$ 19,358	\$ 37,583	\$ 578	\$ 940	\$ 82,984	\$ 1,374
268	MEANDER CRES	PVC	Gravity	T131	200	68.0	1989	65	26	39	\$ 33,773	\$ 7,105	\$ 38,612	\$ 79,490	\$ 1,223	\$ 2,038	\$ 172,076	\$ 2,955
269	MEANDER CRES	PVC	Gravity	T131	250	101.2	1989	65	26	39	\$ 55,499	\$ 9,679	\$ 35,420	\$ 100,598	\$ 1,548	\$ 2,579	\$ 217,769	\$ 3,739
270	MEANDER CRES	PVC	Gravity	T131	250	75.8	1989	65	26	39	\$ 41,598	\$ 9,679	\$ 50,659	\$ 101,937	\$ 1,568	\$ 2,614	\$ 220,667	\$ 3,789
271	MEANDER CRES	PVC	Gravity	T131	250	78.7	1989	65	26	39	\$ 43,143	\$ 9,679	\$ 20,284	\$ 73,106	\$ 1,125	\$ 1,875	\$ 158,256	\$ 2,717
272	LACASSE BLVD	PVC	Gravity	T133	200	130.9	1989	65	26	39	\$ 70,429	\$ 9,679	\$ 30,375	\$ 110,483	\$ 1,700	\$ 2,833	\$ 239,167	\$ 4,107
273	LACASSE BLVD	PVC	Gravity	T134	250	85.3	1988	65	27	38	\$ 46,747	\$ 9,679	\$ 40,466	\$ 96,891	\$ 1,491	\$ 2,550	\$ 205,632	\$ 3,664
274	LACASSE BLVD	PVC	Gravity	T135	250	97.1	1988	65	27	38	\$ 59,412	\$ 16,166	\$ 68,885	\$ 144,462	\$ 2,222	\$ 3,802	\$ 306,591	\$ 5,464
275	LACASSE BLVD	PVC	Gravity	T135	250	96.9	1988	65	27	38	\$ 59,309	\$ 16,166	\$ 37,171	\$ 112,645	\$ 1,733	\$ 2,964	\$ 239,067	\$ 4,260

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
276	OAKPARK DR	PVC	Gravity	T136	200	97.4	1989	65	26	39	\$ 48,291	\$ 7,105	\$ 72,282	\$ 127,678	\$ 1,964	\$ 3,274	\$ 276,391	\$ 4,746
277	OAKPARK DR	PVC	Gravity	T138	250	96.5	1989	65	26	39	\$ 48,703	\$ 7,105	\$ 28,934	\$ 84,741	\$ 1,304	\$ 2,173	\$ 183,443	\$ 3,150
278	OAKPARK DR	PVC	Gravity	T139	200	111.1	1989	65	26	39	\$ 59,721	\$ 9,679	\$ 45,614	\$ 115,013	\$ 1,769	\$ 2,949	\$ 248,975	\$ 4,275
279	OAKPARK DR	PVC	Gravity	T139	200	36.8	1989	65	26	39	\$ 19,873	\$ 9,679	\$ 45,614	\$ 75,165	\$ 1,156	\$ 1,927	\$ 162,714	\$ 2,794
280	REGAL CRT	PVC	Gravity	T137	200	73.2	1989	65	26	39	\$ 36,347	\$ 7,105	\$ 43,452	\$ 86,904	\$ 1,337	\$ 2,228	\$ 188,124	\$ 3,230
281	DUBE DR	PVC	Gravity	T140	250	79.8	1989	65	26	39	\$ 43,761	\$ 9,679	\$ 30,375	\$ 83,815	\$ 1,289	\$ 2,149	\$ 181,437	\$ 3,115
282	BAILLARGEON DR	PVC	Gravity	T189	200	99.2	1979	65	36	29	\$ 53,440	\$ 9,679	\$ 35,420	\$ 98,539	\$ 1,516	\$ 3,398	\$ 174,990	\$ 4,511
283	BAILLARGEON DR	PVC	Gravity	T189	200	98.6	1979	65	36	29	\$ 53,028	\$ 9,679	\$ 35,420	\$ 98,127	\$ 1,510	\$ 3,384	\$ 174,258	\$ 4,492
284	BAILLARGEON DR	PVC	Gravity	T189	200	106.2	1979	65	36	29	\$ 57,146	\$ 9,679	\$ 35,420	\$ 102,246	\$ 1,573	\$ 3,526	\$ 181,572	\$ 4,681
285	MCNORTON ST	PVC	Gravity	T193	200	90.5	1979	65	36	29	\$ 48,703	\$ 9,679	\$ 15,239	\$ 73,621	\$ 1,133	\$ 2,539	\$ 130,739	\$ 3,370
286	MCNORTON ST	PVC	Gravity	T194	200	81.2	1979	65	36	29	\$ 43,761	\$ 9,679	\$ 15,239	\$ 68,679	\$ 1,057	\$ 2,368	\$ 121,962	\$ 3,144
287	MCNORTON ST	PVC	Gravity	T194	200	88.2	1979	65	36	29	\$ 47,468	\$ 9,679	\$ 10,194	\$ 67,340	\$ 1,036	\$ 2,322	\$ 119,585	\$ 3,083
288	HORWOOD CRES	PVC	Gravity	T221	200	88.8	1993	65	22	43	\$ 44,070	\$ 7,105	\$ 67,443	\$ 118,617	\$ 1,825	\$ 2,759	\$ 277,943	\$ 4,139
289	HARBOURNE CRES	PVC	Gravity	T221	250	88.2	1993	65	22	43	\$ 48,394	\$ 9,679	\$ 96,171	\$ 154,244	\$ 2,373	\$ 3,587	\$ 361,422	\$ 5,382
290	HORWOOD CRES	PVC	Gravity	T221	250	88.1	1993	65	22	43	\$ 48,291	\$ 9,679	\$ 75,886	\$ 133,856	\$ 2,059	\$ 3,113	\$ 313,651	\$ 4,670
291	HORWOOD CRES	PVC	Gravity	T221	250	111.2	1992	65	23	42	\$ 60,956	\$ 9,679	\$ 106,261	\$ 176,896	\$ 2,721	\$ 4,212	\$ 406,374	\$ 6,265
292	HORWOOD CRES	PVC	Gravity	T222	200	112.8	1993	65	22	43	\$ 55,911	\$ 7,105	\$ 110,792	\$ 173,807	\$ 2,674	\$ 4,042	\$ 407,263	\$ 6,064
293	HORWOOD CRES	PVC	Gravity	T222	300	88.6	1992	65	23	42	\$ 50,762	\$ 9,679	\$ 86,492	\$ 146,933	\$ 2,261	\$ 3,498	\$ 337,541	\$ 5,204
294	HORWOOD CRES	PVC	Gravity	T222	300	86.6	1992	65	23	42	\$ 49,630	\$ 9,679	\$ 96,685	\$ 155,994	\$ 2,400	\$ 3,714	\$ 358,357	\$ 5,525
295	HORWOOD CRES	PVC	Gravity	T222	300	88.5	1992	65	23	42	\$ 50,659	\$ 9,679	\$ 66,207	\$ 126,546	\$ 1,947	\$ 3,013	\$ 290,706	\$ 4,482
296	ST GREGORYS RD	PVC	Gravity	T223	300	43.8	1992	65	23	42	\$ 25,124	\$ 9,679	\$ 15,342	\$ 50,145	\$ 771	\$ 1,194	\$ 115,194	\$ 1,776
297	KIMBERLY DR	AC	Gravity	T146	250	70.3	1979	65	36	29	\$ 38,509	\$ 9,679	\$ 45,614	\$ 93,802	\$ 1,443	\$ 3,235	\$ 166,578	\$ 4,294
298	KIMBERLY DR	AC	Gravity	T146	250	111.2	1979	65	36	29	\$ 60,956	\$ 9,679	\$ 50,659	\$ 121,294	\$ 1,866	\$ 4,183	\$ 215,400	\$ 5,553
299	KIMBERLY DR	AC	Gravity	T146	250	49.2	1979	65	36	29	\$ 26,977	\$ 9,679	\$ 15,239	\$ 51,895	\$ 798	\$ 1,789	\$ 92,158	\$ 2,376
300	ST THOMAS ST	AC	Gravity	T150	250	40.5	1974	65	41	24	\$ 20,490	\$ 7,105	\$ 4,839	\$ 32,434	\$ 499	\$ 1,351	\$ 52,169	\$ 1,715
301	BRENDA CRES	PVC	Gravity	T162	200	18.1	1989	65	26	39	\$ 8,958	\$ 7,105	\$ 9,679	\$ 25,742	\$ 396	\$ 660	\$ 55,724	\$ 957
302	BRENDA CRES	PVC	Gravity	T162	200	74.8	1989	65	26	39	\$ 37,068	\$ 7,105	\$ 24,094	\$ 68,267	\$ 1,050	\$ 1,750	\$ 147,780	\$ 2,538
303	BRENDA CRES	PVC	Gravity	T160	200	84.8	1989	65	26	39	\$ 45,614	\$ 9,679	\$ 15,239	\$ 70,532	\$ 1,085	\$ 1,809	\$ 152,684	\$ 2,622
304	BRENDA CRES	PVC	Gravity	T161	200	130.0	1989	65	26	39	\$ 64,457	\$ 7,105	\$ 38,612	\$ 110,174	\$ 1,695	\$ 2,825	\$ 238,499	\$ 4,095
305	ST THOMAS ST	PVC	Gravity	T163	300	85.5	1989	65	26	39	\$ 49,012	\$ 9,679	\$ -	\$ 58,691	\$ 903	\$ 1,505	\$ 127,051	\$ 2,182
306	MICHAEL DR	PVC	Gravity	T164	300	90.6	1988	65	27	38	\$ 51,895	\$ 9,679	\$ 56,014	\$ 117,588	\$ 1,809	\$ 3,094	\$ 249,556	\$ 4,447
307	MICHAEL DR	PVC	Gravity	T164	300	15.4	1988	65	27	38	\$ 8,855	\$ 9,679	\$ 10,194	\$ 28,728	\$ 442	\$ 756	\$ 60,969	\$ 1,086
308	MICHAEL DR	PVC	Gravity	T164	300	128.9	1988	65	27	38	\$ 82,270	\$ 16,166	\$ 85,256	\$ 183,692	\$ 2,826	\$ 4,834	\$ 389,849	\$ 6,947
309	MICHAEL DR	PVC	Gravity	T164	300	125.2	1988	65	27	38	\$ 80,005	\$ 16,166	\$ 85,256	\$ 181,427	\$ 2,791	\$ 4,774	\$ 385,042	\$ 6,862
310	MICHAEL DR	PVC	Gravity	T164	300	75.7	1988	65	27	38	\$ 48,394	\$ 16,166	\$ 47,982	\$ 112,542	\$ 1,731	\$ 2,962	\$ 238,848	\$ 4,256
311	MICHAEL DR	PVC	Gravity	T164	300	15.9	1988	65	27	38	\$ 10,194	\$ 16,166	\$ -	\$ 26,359	\$ 406	\$ 694	\$ 55,943	\$ 997
312	MICHAEL DR	PVC	Gravity	T164	300	74.6	1988	65	27	38	\$ 47,673	\$ 16,166	\$ 58,691	\$ 122,530	\$ 1,885	\$ 3,224	\$ 260,045	\$ 4,634
313	MICHAEL DR	PVC	Gravity	T164	300	52.5	1988	65	27	38	\$ 33,567	\$ 16,166	\$ 5,354	\$ 55,087	\$ 847	\$ 1,450	\$ 116,911	\$ 2,083
314	ST GREGORYS RD	PVC	Gravity	T232	250	81.3	1987	65	28	37	\$ 41,084	\$ 7,105	\$ 57,867	\$ 106,055	\$ 1,632	\$ 2,866	\$ 220,668	\$ 4,084
315	ST GREGORYS RD	PVC	Gravity	T232	250	103.3	1987	65	28	37	\$ 52,204	\$ 7,105	\$ 62,707	\$ 122,015	\$ 1,877	\$ 3,298	\$ 253,875	\$ 4,698
316	ST GREGORYS RD	PVC	Gravity	T232	250	38.6	1987	65	28	37	\$ 19,461	\$ 7,105	\$ 14,518	\$ 41,084	\$ 632	\$ 1,110	\$ 85,482	\$ 1,582
317	ST GREGORYS RD	PVC	Gravity	T232	250	93.0	1987	65	28	37	\$ 50,968	\$ 9,679	\$ 50,659	\$ 111,307	\$ 1,712	\$ 3,008	\$ 231,594	\$ 4,286
318	GREEN VALLEY DR	CONC	Gravity	T258	450	72.2	1987	65	28	37	\$ 44,584	\$ 9,679	\$ 20,799	\$ 75,062	\$ 1,155	\$ 2,029	\$ 156,181	\$ 2,890
319	GREEN VALLEY DR	CONC	Gravity	T259	450	79.0	1987	65	28	37	\$ 48,806	\$ 9,679	\$ 20,799	\$ 79,284	\$ 1,220	\$ 2,143	\$ 164,965	\$ 3,053
320	GREEN VALLEY DR	CONC	Gravity	T233	450	131.9	1986	65	29	36	\$ 81,446	\$ 9,679	\$ 51,998	\$ 143,123	\$ 2,202	\$ 3,976	\$ 291,955	\$ 5,615
321	GREEN VALLEY DR	CONC	Gravity	T234	450	42.5	1986	65	29	36	\$ 26,256	\$ 9,679	\$ 10,400	\$ 46,335	\$ 713	\$ 1,287	\$ 94,518	\$ 1,818
322	GREEN VALLEY DR	CONC	Gravity	T234	450	111.4	1986	65	29	36	\$ 68,782	\$ 9,679	\$ 62,398	\$ 140,858	\$ 2,167	\$ 3,913	\$ 287,334	\$ 5,526
323	GREEN VALLEY DR	CONC	Gravity	T234	450	74.0	1986	65	29	36	\$ 45,717	\$ 9,679	\$ 41,598	\$ 96,994	\$ 1,492	\$ 2,694	\$ 197,858	\$ 3,805
324	BRUNELLE CRES	PVC	Gravity	T235	200	89.6	1987	65	28	37	\$ 48,188	\$ 9,679	\$ 60,750	\$ 118,617	\$ 1,825	\$ 3,206	\$ 246,805	\$ 4,568
325	BRUNELLE CRES	PVC	Gravity	T235	200	52.1	1987	65	28	37	\$ 28,007	\$ 9,679	\$ 35,420	\$ 73,106	\$ 1,125	\$ 1,976	\$ 152,111	\$ 2,815
326	BRUNELLE CRES	PVC	Gravity	T235	200	70.6	1987	65	28	37	\$ 37,995	\$ 9,679	\$ 20,284	\$ 67,958	\$ 1,046	\$ 1,837	\$ 141,399	\$ 2,617
327	BRUNELLE CRES	PVC	Gravity	T235	250	87.6	1987	65	28	37	\$ 48,085	\$ 9,679	\$ 20,284	\$ 78,049	\$ 1,201	\$ 2,109	\$ 162,394	\$ 3,005
328	BRUNELLE CRES	PVC	Gravity	T235	200	57.0	1987	65	28	37	\$ 30,684	\$ 9,679	\$ 45,614	\$ 85,977	\$ 1,323	\$ 2,324	\$ 178,891	\$ 3,311
329	BRUNELLE CRES	PVC	Gravity	T235	200	117.4	1987	65	28	37	\$ 63,118	\$ 9,679	\$ 60,750	\$ 133,547	\$ 2,055	\$ 3,609	\$ 277,870	\$ 5,142
330	ST GREGORYS RD	PVC	Gravity	T239	300	90.9	1986	65	29	36	\$ 52,101	\$ 9,679	\$ 15,342	\$ 77,122	\$ 1,186	\$ 2,142	\$ 157,320	\$ 3,026

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
331	ST GREGORYS RD	PVC	Gravity	T241	250	101.5	1986	65	29	36	\$ 51,277	\$ 7,105	\$ 48,188	\$ 106,570	\$ 1,640	\$ 2,960	\$ 217,391	\$ 4,181
332	ST GREGORYS RD	PVC	Gravity	T243	200	43.2	1986	65	29	36	\$ 21,417	\$ 7,105	\$ 28,934	\$ 57,455	\$ 884	\$ 1,596	\$ 117,202	\$ 2,254
333	ST GREGORYS RD	PVC	Gravity	T223	300	7.0	1992	65	23	42	\$ 4,016	\$ 9,679	\$ -	\$ 13,695	\$ 211	\$ 326	\$ 31,460	\$ 485
334	ST GREGORYS RD	PVC	Gravity	T223	300	64.5	1992	65	23	42	\$ 36,965	\$ 9,679	\$ 15,342	\$ 61,986	\$ 954	\$ 1,476	\$ 142,396	\$ 2,195
335	ST GREGORYS RD	PVC	Gravity	T223	250	42.6	1997	65	18	47	\$ 23,373	\$ 9,679	\$ 20,284	\$ 53,337	\$ 821	\$ 1,135	\$ 135,280	\$ 1,761
336	ST GREGORYS RD	PVC	Gravity	T225	250	50.1	1997	65	18	47	\$ 25,330	\$ 7,105	\$ 67,443	\$ 99,877	\$ 1,537	\$ 2,125	\$ 253,323	\$ 3,298
337	MICHAEL DR	PVC	Gravity	T224	250	37.2	1997	65	18	47	\$ 18,843	\$ 7,105	\$ 43,452	\$ 69,399	\$ 1,068	\$ 1,477	\$ 176,021	\$ 2,291
338	MICHAEL DR	PVC	Gravity	T224	300	76.7	1997	65	18	47	\$ 43,967	\$ 9,679	\$ 66,207	\$ 119,853	\$ 1,844	\$ 2,550	\$ 303,988	\$ 3,957
339	MICHAEL DR	PVC	Gravity	T224	300	78.3	1997	65	18	47	\$ 44,893	\$ 9,679	\$ 66,207	\$ 120,780	\$ 1,858	\$ 2,570	\$ 306,338	\$ 3,988
340	MICHAEL DR	PVC	Gravity	T224	300	67.9	1997	65	18	47	\$ 38,921	\$ 9,679	\$ 91,640	\$ 140,240	\$ 2,158	\$ 2,984	\$ 355,697	\$ 4,630
341	MICHAEL DR	PVC	Gravity	T224	300	122.4	1996	65	19	46	\$ 70,120	\$ 9,679	\$ 147,551	\$ 227,350	\$ 3,498	\$ 4,942	\$ 565,330	\$ 7,606
342	MICHAEL DR	PVC	Gravity	T224	300	127.2	1996	65	19	46	\$ 72,900	\$ 9,679	\$ 116,970	\$ 199,549	\$ 3,070	\$ 4,338	\$ 496,200	\$ 6,676
343	REVLAND DR	PVC	Gravity	T226	250	34.9	1998	65	17	48	\$ 19,152	\$ 9,679	\$ 20,284	\$ 49,115	\$ 756	\$ 1,023	\$ 127,064	\$ 1,601
344	REVLAND DR	PVC	Gravity	T227	250	134.5	1998	65	17	48	\$ 73,724	\$ 9,679	\$ 70,841	\$ 154,244	\$ 2,373	\$ 3,213	\$ 399,039	\$ 5,029
345	REVLAND DR	PVC	Gravity	T228	250	129.2	1999	65	16	49	\$ 70,841	\$ 9,679	\$ 80,932	\$ 161,451	\$ 2,484	\$ 3,295	\$ 426,040	\$ 5,199
346	REVLAND DR	PVC	Gravity	T228	250	132.4	1996	65	19	46	\$ 66,825	\$ 7,105	\$ 91,537	\$ 165,467	\$ 2,546	\$ 3,597	\$ 411,452	\$ 5,535
347	WOODRIDGE DR	PVC	Gravity	T230	300	70.5	1993	65	22	43	\$ 40,363	\$ 9,679	\$ 25,433	\$ 75,474	\$ 1,161	\$ 1,755	\$ 176,851	\$ 2,633
348	WOODRIDGE DR	PVC	Gravity	T230	300	120.9	1993	65	22	43	\$ 69,296	\$ 9,679	\$ 71,253	\$ 150,228	\$ 2,311	\$ 3,494	\$ 352,013	\$ 5,241
349	WOODRIDGE DR	PVC	Gravity	T230	300	122.1	1993	65	22	43	\$ 69,914	\$ 9,679	\$ 81,446	\$ 161,039	\$ 2,478	\$ 3,745	\$ 377,346	\$ 5,619
350	REVLAND DR	PVC	Gravity	T228	250	110.5	1998	65	17	48	\$ 60,544	\$ 9,679	\$ 75,886	\$ 146,109	\$ 2,248	\$ 3,044	\$ 377,995	\$ 4,763
351	REVLAND DR	PVC	Gravity	T228	250	8.4	1998	65	17	48	\$ 4,633	\$ 9,679	\$ -	\$ 14,312	\$ 220	\$ 298	\$ 37,027	\$ 467
352	WOODRIDGE DR	PVC	Gravity	T230	300	122.4	1993	65	22	43	\$ 70,120	\$ 9,679	\$ 71,253	\$ 151,052	\$ 2,324	\$ 3,513	\$ 353,943	\$ 5,270
353	DILLON DR	AC	Gravity	T035	200	41.6	1974	65	41	24	\$ 20,593	\$ 7,105	\$ 4,839	\$ 32,537	\$ 501	\$ 1,356	\$ 52,334	\$ 1,720
354	DILLON DR	AC	Gravity	T035	200	57.9	1974	65	41	24	\$ 31,199	\$ 9,679	\$ 20,284	\$ 61,162	\$ 941	\$ 2,548	\$ 98,375	\$ 3,234
355	DILLON DR	AC	Gravity	T036	200	49.3	1974	65	41	24	\$ 26,565	\$ 9,679	\$ -	\$ 36,244	\$ 558	\$ 1,510	\$ 58,296	\$ 1,916
356	CENTENNIAL DR	AC	Gravity	T170	300	80.7	1974	65	41	24	\$ 46,232	\$ 9,679	\$ -	\$ 55,911	\$ 860	\$ 2,330	\$ 89,929	\$ 2,956
357	CENTENNIAL DR	AC	Gravity	T170	300	81.5	1974	65	41	24	\$ 46,747	\$ 9,679	\$ -	\$ 56,426	\$ 868	\$ 2,351	\$ 90,757	\$ 2,983
358	CENTENNIAL DR	AC	Gravity	T170	300	80.6	1974	65	41	24	\$ 46,129	\$ 9,679	\$ -	\$ 55,808	\$ 859	\$ 2,325	\$ 89,763	\$ 2,951
359	CENTENNIAL DR	AC	Gravity	T037	300	94.9	1974	65	41	24	\$ 54,366	\$ 9,679	\$ 35,626	\$ 99,671	\$ 1,533	\$ 4,153	\$ 160,315	\$ 5,270
360	CENTENNIAL DR	AC	Gravity	T037	300	91.7	1974	65	41	24	\$ 52,513	\$ 9,679	\$ 50,865	\$ 113,057	\$ 1,739	\$ 4,711	\$ 181,845	\$ 5,977
361	CENTENNIAL DR	AC	Gravity	T037	300	91.4	1974	65	41	24	\$ 52,410	\$ 9,679	\$ 25,433	\$ 87,521	\$ 1,346	\$ 3,647	\$ 140,773	\$ 4,627
362	CENTENNIAL DR	AC	Gravity	T096	300	91.9	1974	65	41	24	\$ 52,719	\$ 9,679	\$ 25,433	\$ 87,830	\$ 1,351	\$ 3,660	\$ 141,270	\$ 4,644
363	CENTENNIAL DR	AC	Gravity	T096	300	90.4	1974	65	41	24	\$ 51,792	\$ 9,679	\$ 40,775	\$ 102,246	\$ 1,573	\$ 4,260	\$ 164,456	\$ 5,406
364	CENTENNIAL DR	AC	Gravity	T096	300	98.6	1974	65	41	24	\$ 56,529	\$ 9,679	\$ 40,775	\$ 106,982	\$ 1,646	\$ 4,458	\$ 172,074	\$ 5,656
365	AMANDA CRT	PVC	Gravity	T041	250	38.1	1986	65	29	36	\$ 19,255	\$ 7,105	\$ 28,934	\$ 55,293	\$ 851	\$ 1,536	\$ 112,791	\$ 2,169
366	AMANDA CRT	PVC	Gravity	T041	250	68.0	1986	65	29	36	\$ 34,391	\$ 7,105	\$ 38,612	\$ 80,108	\$ 1,232	\$ 2,225	\$ 163,411	\$ 3,143
367	AMANDA CRT	PVC	Gravity	T041	250	64.0	1986	65	29	36	\$ 32,331	\$ 7,105	\$ 9,679	\$ 49,115	\$ 756	\$ 1,364	\$ 100,189	\$ 1,927
368	GAUTHIER DR	PVC	Gravity	T049	200	126.2	1988	65	27	38	\$ 62,604	\$ 7,105	\$ 28,934	\$ 98,642	\$ 1,518	\$ 2,596	\$ 209,347	\$ 3,731
369	GAUTHIER DR	PVC	Gravity	T049	200	119.5	1987	65	28	37	\$ 64,251	\$ 9,679	\$ 70,841	\$ 144,771	\$ 2,227	\$ 3,913	\$ 301,222	\$ 5,575
370	JAMES CRES	PVC	Gravity	T086	200	30.1	1996	65	19	46	\$ 14,930	\$ 7,105	\$ 24,094	\$ 46,129	\$ 710	\$ 1,003	\$ 114,705	\$ 1,543
371	LITTLE RIVER BLVD	AC	Gravity	T097	450	90.9	1979	65	36	29	\$ 56,117	\$ 9,679	\$ -	\$ 65,796	\$ 1,012	\$ 2,269	\$ 116,843	\$ 3,012
372	ST PIERRE ST	AC	Gravity	T197	300	102.4	1974	65	41	24	\$ 54,057	\$ 7,105	\$ 48,497	\$ 109,659	\$ 1,687	\$ 4,569	\$ 176,380	\$ 5,798
373	ST PIERRE ST	AC	Gravity	T214	300	99.9	1974	65	41	24	\$ 52,719	\$ 7,105	\$ 63,015	\$ 122,839	\$ 1,890	\$ 5,118	\$ 197,579	\$ 6,495
374	ST PIERRE ST	AC	Gravity	T214	300	103.7	1974	65	41	24	\$ 54,675	\$ 7,105	\$ 77,534	\$ 139,314	\$ 2,143	\$ 5,805	\$ 224,077	\$ 7,366
375	ST PIERRE ST	AC	Gravity	T214	300	99.5	1974	65	41	24	\$ 52,513	\$ 7,105	\$ 33,979	\$ 93,596	\$ 1,440	\$ 3,900	\$ 150,544	\$ 4,949
376	LACASSE BLVD	AC	Gravity	T027	250	90.3	1974	65	41	24	\$ 49,527	\$ 9,679	\$ 20,284	\$ 79,490	\$ 1,223	\$ 3,312	\$ 127,855	\$ 4,203
377	LACASSE BLVD	AC	Gravity	T027	250	91.2	1974	65	41	24	\$ 50,042	\$ 9,679	\$ 10,194	\$ 69,914	\$ 1,076	\$ 2,913	\$ 112,453	\$ 3,696
378	LACASSE BLVD	AC	Gravity	T065	300	79.1	1974	65	41	24	\$ 50,556	\$ 16,166	\$ 21,314	\$ 88,036	\$ 1,354	\$ 3,668	\$ 141,601	\$ 4,655
379	LACASSE BLVD	AC	Gravity	T064	300	84.9	1974	65	41	24	\$ 54,263	\$ 16,166	\$ 37,377	\$ 107,806	\$ 1,659	\$ 4,492	\$ 173,399	\$ 5,700
380	LACASSE BLVD	AC	Gravity	T064	300	88.1	1974	65	41	24	\$ 66,104	\$ 22,550	\$ 22,344	\$ 110,998	\$ 1,708	\$ 4,625	\$ 178,533	\$ 5,869
381	ARBOUR ST	AC	Gravity	T308	250	87.8	1974	65	41	24	\$ 44,379	\$ 7,105	\$ 57,867	\$ 109,350	\$ 1,682	\$ 4,556	\$ 175,883	\$ 5,781
382	ARBOUR ST	AC	Gravity	T308	250	105.9	1974	65	41	24	\$ 58,073	\$ 9,679	\$ 30,375	\$ 98,127	\$ 1,510	\$ 4,089	\$ 157,831	\$ 5,188
383	ARBOUR ST	AC	Gravity	T310	250	68.7	1974	65	41	24	\$ 34,700	\$ 7,105	\$ 9,679	\$ 51,483	\$ 792	\$ 2,145	\$ 82,807	\$ 2,722
384	ARBOUR ST	AC	Gravity	T310	250	73.5	1974	65	41	24	\$ 37,171	\$ 7,105	\$ 43,452	\$ 87,727	\$ 1,350	\$ 3,655	\$ 141,104	\$ 4,638
385	RENAUD ST	AC	Gravity	T300	250	109.1	1974	65	41	24	\$ 55,087	\$ 7,105	\$ 62,707	\$ 124,898	\$ 1,922	\$ 5,204	\$ 200,891	\$ 6,604

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
386	RENAUD ST	AC	Gravity	T305	250	61.4	1974	65	41	24	\$ 33,670	\$ 9,679	\$ 15,239	\$ 58,588	\$ 901	\$ 2,441	\$ 94,235	\$ 3,098
387	BRENDA CRES	AC	Gravity	T203	200	42.5	1990	65	25	40	\$ 21,108	\$ 7,105	\$ -	\$ 28,213	\$ 434	\$ 705	\$ 62,295	\$ 1,031
388	CLAPP ST	AC	Gravity	T127	250	49.1	1974	65	41	24	\$ 26,874	\$ 9,679	\$ 5,148	\$ 41,701	\$ 642	\$ 1,738	\$ 67,074	\$ 2,205
389	FIRST ST	AC	Gravity	T248	250	37.7	1974	65	41	24	\$ 19,049	\$ 7,105	\$ 4,839	\$ 30,993	\$ 477	\$ 1,291	\$ 49,850	\$ 1,639
390	FIRST ST	AC	Gravity	T248	250	24.0	1974	65	41	24	\$ 13,180	\$ 18,740	\$ -	\$ 31,920	\$ 491	\$ 1,330	\$ 51,341	\$ 1,688
391	ARBOUR ST	AC	Gravity	T294	250	55.9	1974	65	41	24	\$ 30,684	\$ 9,679	\$ 10,194	\$ 50,556	\$ 778	\$ 2,107	\$ 81,317	\$ 2,673
392	TECUMSEH RD	AC	Gravity	T268	250	47.5	1974	65	41	24	\$ 26,050	\$ 9,679	\$ 20,284	\$ 56,014	\$ 862	\$ 2,334	\$ 90,095	\$ 2,962
393	DILLON DR	AC	Gravity	T034	250	47.8	1974	65	41	24	\$ 24,197	\$ 7,105	\$ 9,679	\$ 40,981	\$ 630	\$ 1,708	\$ 65,915	\$ 2,167
394	CORONADO DR	AC	Gravity	T029	250	49.6	1974	65	41	24	\$ 25,124	\$ 7,105	\$ 4,839	\$ 37,068	\$ 570	\$ 1,544	\$ 59,621	\$ 1,960
395	CORONADO DR	AC	Gravity	T029	250	24.2	1974	65	41	24	\$ 13,283	\$ 9,679	\$ -	\$ 22,962	\$ 353	\$ 957	\$ 36,932	\$ 1,214
396	ST THOMAS ST	AC	Gravity	T156	250	106.3	1974	65	41	24	\$ 53,645	\$ 7,105	\$ 24,094	\$ 84,844	\$ 1,305	\$ 3,535	\$ 136,467	\$ 4,486
397	ST THOMAS ST	AC	Gravity	T156	250	14.8	1974	65	41	24	\$ 8,134	\$ 9,679	\$ -	\$ 17,813	\$ 274	\$ 742	\$ 28,651	\$ 942
398	CHENE ST	AC	Gravity	T020	250	80.7	1974	65	41	24	\$ 44,276	\$ 9,679	\$ 15,239	\$ 69,193	\$ 1,065	\$ 2,883	\$ 111,293	\$ 3,658
399	CHENE ST	AC	Gravity	T020	250	96.1	1974	65	41	24	\$ 48,497	\$ 7,105	\$ 48,188	\$ 103,790	\$ 1,597	\$ 4,325	\$ 166,940	\$ 5,487
400	CHENE ST	AC	Gravity	T020	250	92.9	1974	65	41	24	\$ 46,953	\$ 7,105	\$ 48,188	\$ 102,246	\$ 1,573	\$ 4,260	\$ 164,456	\$ 5,406
401	CATALINA COVE	PVC	Gravity	T004	200	101.2	1992	65	23	42	\$ 50,145	\$ 7,105	\$ 57,867	\$ 115,116	\$ 1,771	\$ 2,741	\$ 264,451	\$ 4,077
402	RIVERSIDE DR E	AC	Gravity	T003	250	26.6	1974	65	41	24	\$ 13,489	\$ 7,105	\$ 4,839	\$ 25,433	\$ 391	\$ 1,060	\$ 40,907	\$ 1,345
403	RIVERSIDE DR E	AC	Gravity	T003	250	62.6	1974	65	41	24	\$ 31,611	\$ 7,105	\$ 14,518	\$ 53,234	\$ 819	\$ 2,218	\$ 85,623	\$ 2,815
404	PINEWOOD CRES	PVC	Gravity	T009	200	122.5	1990	65	25	40	\$ 60,750	\$ 7,105	\$ 38,612	\$ 106,467	\$ 1,638	\$ 2,662	\$ 235,084	\$ 3,892
405	PINEWOOD CRES	PVC	Gravity	T009	200	26.2	1990	65	25	40	\$ 12,974	\$ 7,105	\$ -	\$ 20,078	\$ 309	\$ 502	\$ 44,334	\$ 734
406	KENNEY CRT	PVC	Gravity	T018	200	100.8	1987	65	28	37	\$ 49,939	\$ 7,105	\$ 67,443	\$ 124,486	\$ 1,915	\$ 3,364	\$ 259,017	\$ 4,794
407	KENNEY CRT	PVC	Gravity	T018	200	110.8	1987	65	28	37	\$ 59,618	\$ 9,679	\$ 35,420	\$ 104,717	\$ 1,611	\$ 2,830	\$ 217,883	\$ 4,032
408	SOMERVILLE ST	PVC	Gravity	T051	250	48.2	1987	65	28	37	\$ 26,462	\$ 9,679	\$ 15,239	\$ 51,380	\$ 790	\$ 1,389	\$ 106,906	\$ 1,978
409	SOMERVILLE ST	PVC	Gravity	T051	250	123.1	1987	65	28	37	\$ 67,546	\$ 9,679	\$ 70,841	\$ 148,066	\$ 2,278	\$ 4,002	\$ 308,078	\$ 5,702
410	DILLON DR	AC	Gravity	T019	200	46.0	1979	65	36	29	\$ 22,859	\$ 7,105	\$ 9,679	\$ 39,642	\$ 610	\$ 1,367	\$ 70,398	\$ 1,815
411	DILLON DR	AC	Gravity	T021	200	49.2	1979	65	36	29	\$ 24,403	\$ 7,105	\$ 24,094	\$ 55,602	\$ 855	\$ 1,917	\$ 98,740	\$ 2,545
412	SOUTHFIELD DR	PVC	Gravity	T277	450	60.7	1990	65	25	40	\$ 34,597	\$ 7,105	\$ -	\$ 41,701	\$ 642	\$ 1,043	\$ 92,078	\$ 1,524
413	SOUTHFIELD DR	PVC	Gravity	T277	200	7.4	1990	65	25	40	\$ 3,707	\$ 7,105	\$ -	\$ 10,811	\$ 166	\$ 270	\$ 23,872	\$ 395
414	WOODRIDGE DR	AC	Gravity	T168	200	101.7	1974	65	41	24	\$ 50,454	\$ 7,105	\$ 48,188	\$ 105,746	\$ 1,627	\$ 4,406	\$ 170,087	\$ 5,591
415	WOODRIDGE DR	AC	Gravity	T168	200	93.3	1974	65	41	24	\$ 46,232	\$ 7,105	\$ 53,028	\$ 106,364	\$ 1,636	\$ 4,432	\$ 171,080	\$ 5,624
416	WOODRIDGE DR	AC	Gravity	T168	200	108.7	1974	65	41	24	\$ 58,485	\$ 9,679	\$ 60,750	\$ 128,914	\$ 1,983	\$ 5,371	\$ 207,350	\$ 6,816
417	WOODRIDGE DR	AC	Gravity	T168	200	59.9	1974	65	41	24	\$ 35,935	\$ 20,593	\$ 10,606	\$ 67,134	\$ 1,033	\$ 2,797	\$ 107,981	\$ 3,549
418	ST THOMAS ST	PVC	Gravity	T167	300	99.5	1993	65	22	43	\$ 57,043	\$ 9,679	\$ 5,148	\$ 71,871	\$ 1,106	\$ 1,671	\$ 168,406	\$ 2,508
419	ST THOMAS CRES	PVC	Gravity	T148	250	112.0	1979	65	36	29	\$ 56,529	\$ 7,105	\$ 38,612	\$ 102,246	\$ 1,573	\$ 3,526	\$ 181,572	\$ 4,681
420	ST THOMAS CRES	PVC	Gravity	T148	250	105.6	1979	65	36	29	\$ 57,867	\$ 9,679	\$ 35,420	\$ 102,966	\$ 1,584	\$ 3,551	\$ 182,852	\$ 4,714
421	ST THOMAS CRES	PVC	Gravity	T148	250	47.8	1979	65	36	29	\$ 26,256	\$ 9,679	\$ 10,194	\$ 46,129	\$ 710	\$ 1,591	\$ 81,918	\$ 2,112
422	ST THOMAS CRES	PVC	Gravity	T148	250	44.4	1979	65	36	29	\$ 24,403	\$ 9,679	\$ 10,194	\$ 44,276	\$ 681	\$ 1,527	\$ 78,626	\$ 2,027
423	ST THOMAS CRES	PVC	Gravity	T148	250	87.5	1979	65	36	29	\$ 44,173	\$ 7,105	\$ 28,934	\$ 80,211	\$ 1,234	\$ 2,766	\$ 142,442	\$ 3,672
424	ST THOMAS CRES	PVC	Gravity	T184	200	64.0	1979	65	36	29	\$ 34,391	\$ 9,679	\$ 20,284	\$ 64,354	\$ 990	\$ 2,219	\$ 114,283	\$ 2,946
425	ST THOMAS CRES	PVC	Gravity	T188	200	61.7	1979	65	36	29	\$ 33,258	\$ 9,679	\$ 20,284	\$ 63,221	\$ 973	\$ 2,180	\$ 112,271	\$ 2,894
426	ST THOMAS CRES	PVC	Gravity	T191	200	42.1	1979	65	36	29	\$ 22,653	\$ 9,679	\$ 15,239	\$ 47,570	\$ 732	\$ 1,640	\$ 84,478	\$ 2,178
427	APPLETREE CRES	PVC	Gravity	T183	250	89.0	1979	65	36	29	\$ 44,996	\$ 7,105	\$ 28,934	\$ 81,035	\$ 1,247	\$ 2,794	\$ 143,905	\$ 3,710
428	APPLETREE CRES	PVC	Gravity	T183	250	77.7	1979	65	36	29	\$ 42,628	\$ 9,679	\$ 30,375	\$ 82,682	\$ 1,272	\$ 2,851	\$ 146,830	\$ 3,785
429	APPLETREE CRES	PVC	Gravity	T183	250	89.8	1979	65	36	29	\$ 49,218	\$ 9,679	\$ 20,284	\$ 79,181	\$ 1,218	\$ 2,730	\$ 140,613	\$ 3,625
430	ORCHARD DR	PVC	Gravity	T185	200	109.1	1979	65	36	29	\$ 58,691	\$ 9,679	\$ 35,420	\$ 103,790	\$ 1,597	\$ 3,579	\$ 184,315	\$ 4,751
431	ORCHARD DR	PVC	Gravity	T185	200	93.6	1979	65	36	29	\$ 50,351	\$ 9,679	\$ 25,330	\$ 85,359	\$ 1,313	\$ 2,943	\$ 151,585	\$ 3,908
432	ORCHARD DR	PVC	Gravity	T186	250	102.2	1979	65	36	29	\$ 56,014	\$ 9,679	\$ 30,375	\$ 96,068	\$ 1,478	\$ 3,313	\$ 170,601	\$ 4,398
433	LESPEANCE RD	CONC	Gravity	T190	675	61.3	1974	65	41	24	\$ 54,263	\$ 18,740	\$ 26,153	\$ 99,157	\$ 1,525	\$ 4,132	\$ 159,487	\$ 5,243
434	LESPEANCE RD	CONC	Gravity	T187	675	52.2	1974	65	41	24	\$ 46,232	\$ 18,740	\$ 31,405	\$ 96,377	\$ 1,483	\$ 4,016	\$ 155,016	\$ 5,096
435	LESPEANCE RD	CONC	Gravity	T195	675	78.8	1974	65	41	24	\$ 69,914	\$ 18,740	\$ 26,153	\$ 114,808	\$ 1,766	\$ 4,784	\$ 184,661	\$ 6,070
436	LESPEANCE RD	CONC	Gravity	T190	675	34.3	1974	65	41	24	\$ 30,478	\$ 9,679	\$ 15,754	\$ 55,911	\$ 860	\$ 2,330	\$ 89,929	\$ 2,956
437	FIELDCREST LANE	PVC	Gravity	T279	200	61.6	1998	65	17	48	\$ 33,155	\$ 9,679	\$ 116,352	\$ 159,186	\$ 2,449	\$ 3,316	\$ 411,825	\$ 5,190
438	FIELDCREST LANE	PVC	Gravity	T279	200	47.1	1998	65	17	48	\$ 23,373	\$ 7,105	\$ 62,707	\$ 93,185	\$ 1,434	\$ 1,941	\$ 241,075	\$ 3,038
439	FIELDCREST LANE	PVC	Gravity	T279	200	48.0	1998	65	17	48	\$ 25,845	\$ 9,679	\$ 35,420	\$ 70,944	\$ 1,091	\$ 1,478	\$ 183,537	\$ 2,313
440	BROUILLETTE CRT	PVC	Gravity	T280	200	20.8	1998	65	17	48	\$ 10,400	\$ 7,105	\$ 14,518	\$ 32,023	\$ 493	\$ 667	\$ 82,845	\$ 1,044

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
441	BROUILLETTE CRT	PVC	Gravity	T280	200	95.3	2003	65	12	53	\$ 47,262	\$ 7,105	\$ 48,188	\$ 102,555	\$ 1,578	\$ 1,935	\$ 292,930	\$ 3,156
442	BROUILLETTE CRT	PVC	Gravity	T280	200	27.9	2003	65	12	53	\$ 13,900	\$ 7,105	\$ 9,679	\$ 30,684	\$ 472	\$ 579	\$ 87,644	\$ 944
443	POISSON ST	PVC	Gravity	T292	250	123.2	2000	65	15	50	\$ 62,192	\$ 7,105	\$ 125,310	\$ 194,606	\$ 2,994	\$ 3,892	\$ 523,800	\$ 6,193
444	POISSON ST	PVC	Gravity	T292	250	122.0	2000	65	15	50	\$ 61,574	\$ 7,105	\$ 43,452	\$ 112,130	\$ 1,725	\$ 2,243	\$ 301,809	\$ 3,568
445	RENAUD ST	AC	Gravity	T300	250	35.1	1974	65	41	24	\$ 17,813	\$ 7,105	\$ 19,358	\$ 44,276	\$ 681	\$ 1,845	\$ 71,214	\$ 2,341
446	RENAUD ST	AC	Gravity	T304	250	61.6	1974	65	41	24	\$ 33,773	\$ 9,679	\$ 10,194	\$ 53,645	\$ 825	\$ 2,235	\$ 86,285	\$ 2,836
447	DEMARSE CRT	PVC	Gravity	T301	250	47.6	1995	65	20	45	\$ 26,153	\$ 9,679	\$ 5,148	\$ 40,981	\$ 630	\$ 911	\$ 99,905	\$ 1,390
448	DEMARSE CRT	PVC	Gravity	T301	250	26.8	1995	65	20	45	\$ 14,724	\$ 9,679	\$ -	\$ 24,403	\$ 375	\$ 542	\$ 59,491	\$ 827
449	DEMARSE CRT	PVC	Gravity	T301	250	45.0	1995	65	20	45	\$ 24,712	\$ 9,679	\$ -	\$ 34,391	\$ 529	\$ 764	\$ 83,840	\$ 1,166
450	JAMES CRES	PVC	Gravity	T085	200	155.9	1996	65	19	46	\$ 83,815	\$ 9,679	\$ 55,705	\$ 149,198	\$ 2,295	\$ 3,243	\$ 370,998	\$ 4,991
451	SIMARD CRES	AC	Gravity	T088	200	98.3	1979	65	36	29	\$ 48,703	\$ 7,105	\$ 62,707	\$ 118,514	\$ 1,823	\$ 4,087	\$ 210,463	\$ 5,425
452	REVLAND DR	PVC	Gravity	T166	250	122.0	1990	65	25	40	\$ 66,928	\$ 9,679	\$ 70,841	\$ 147,448	\$ 2,268	\$ 3,686	\$ 325,571	\$ 5,390
453	REVLAND DR	PVC	Gravity	T166	250	121.7	1990	65	25	40	\$ 66,722	\$ 9,679	\$ 60,750	\$ 137,151	\$ 2,110	\$ 3,429	\$ 302,835	\$ 5,014
454	REVLAND DR	PVC	Gravity	T166	250	3.2	1990	65	25	40	\$ 1,956	\$ 16,166	\$ -	\$ 18,122	\$ 279	\$ 453	\$ 40,014	\$ 662
455	LITTLE RIVER BLVD	CONC	Gravity	T092	750	79.6	1974	65	41	24	\$ 90,302	\$ 20,593	\$ 21,932	\$ 132,827	\$ 2,043	\$ 5,534	\$ 213,643	\$ 7,023
456	LITTLE RIVER BLVD	CONC	Gravity	T091	750	29.4	1974	65	41	24	\$ 33,361	\$ 20,593	\$ 11,017	\$ 64,972	\$ 1,000	\$ 2,707	\$ 104,503	\$ 3,435
457	REVLAND DR	PVC	Gravity	T166	250	66.9	1997	65	18	47	\$ 33,773	\$ 7,105	\$ 43,452	\$ 84,329	\$ 1,297	\$ 1,794	\$ 213,888	\$ 2,784
458	REVLAND DR	PVC	Gravity	T166	250	118.0	1992	65	23	42	\$ 59,618	\$ 7,105	\$ 77,122	\$ 143,844	\$ 2,213	\$ 3,425	\$ 330,445	\$ 5,095
459	WOODRIDGE DR	AC	Gravity	T093	200	31.4	1974	65	41	24	\$ 16,886	\$ 9,679	\$ -	\$ 26,565	\$ 409	\$ 1,107	\$ 42,729	\$ 1,405
460	WOODRIDGE DR	AC	Gravity	T093	200	113.6	1975	65	40	25	\$ 61,162	\$ 9,679	\$ 35,420	\$ 106,261	\$ 1,635	\$ 4,250	\$ 174,333	\$ 5,443
461	WOODRIDGE DR	AC	Gravity	T093	200	108.0	1975	65	40	25	\$ 58,073	\$ 9,679	\$ 50,659	\$ 118,411	\$ 1,822	\$ 4,736	\$ 194,266	\$ 6,065
462	WOODRIDGE DR	AC	Gravity	T093	200	52.0	1975	65	40	25	\$ 31,302	\$ 20,593	\$ -	\$ 51,895	\$ 798	\$ 2,076	\$ 85,139	\$ 2,658
463	LITTLE RIVER BLVD	CONC	Gravity	T098	675	21.1	1974	65	41	24	\$ 18,740	\$ 18,740	\$ 5,251	\$ 42,731	\$ 657	\$ 1,780	\$ 68,730	\$ 2,259
464	LITTLE RIVER BLVD	CONC	Gravity	T097	675	70.6	1974	65	41	24	\$ 62,604	\$ 18,740	\$ -	\$ 81,343	\$ 1,251	\$ 3,389	\$ 130,836	\$ 4,301
465	DUBE DR	PVC	Gravity	T140	250	75.1	1989	65	26	39	\$ 46,026	\$ 16,166	\$ 10,606	\$ 72,797	\$ 1,120	\$ 1,867	\$ 157,587	\$ 2,706
466	LACASSE BLVD	PVC	Gravity	T141	250	107.8	1988	65	27	38	\$ 66,001	\$ 16,166	\$ -	\$ 82,167	\$ 1,264	\$ 2,162	\$ 174,383	\$ 3,108
467	LACASSE BLVD	PVC	Gravity	T141	250	3.2	1988	65	27	38	\$ 2,059	\$ 16,166	\$ -	\$ 18,225	\$ 280	\$ 480	\$ 38,679	\$ 689
468	LITTLE RIVER BLVD	CONC	Gravity	T063	900	9.7	1974	65	41	24	\$ 16,063	\$ 22,550	\$ -	\$ 38,612	\$ 594	\$ 1,609	\$ 62,106	\$ 2,041
469	LITTLE RIVER BLVD	CONC	Gravity	T063	900	105.6	1974	65	41	24	\$ 146,933	\$ 20,593	\$ 22,138	\$ 189,664	\$ 2,918	\$ 7,903	\$ 305,063	\$ 10,028
470	JELSO PL	PVC	Gravity	T148	200	53.2	1987	65	28	37	\$ 26,462	\$ 7,105	\$ 33,773	\$ 67,340	\$ 1,036	\$ 1,820	\$ 140,113	\$ 2,593
471	JELSO PL	PVC	Gravity	T143	200	25.4	1987	65	28	37	\$ 13,695	\$ 9,679	\$ 20,284	\$ 43,658	\$ 672	\$ 1,180	\$ 90,838	\$ 1,681
472	JELSO PL	PVC	Gravity	T148	200	28.8	1987	65	28	37	\$ 15,548	\$ 9,679	\$ 10,194	\$ 35,420	\$ 545	\$ 957	\$ 73,699	\$ 1,364
473	JELSO PL	PVC	Gravity	T148	250	70.7	1987	65	28	37	\$ 38,818	\$ 9,679	\$ 15,239	\$ 63,736	\$ 981	\$ 1,723	\$ 132,615	\$ 2,454
474	KIMBERLY DR	PVC	Gravity	T142	250	35.2	1987	65	28	37	\$ 19,358	\$ 9,679	\$ 15,239	\$ 44,276	\$ 681	\$ 1,197	\$ 92,123	\$ 1,705
475	KIMBERLY DR	PVC	Gravity	T142	250	77.0	1987	65	28	37	\$ 42,216	\$ 9,679	\$ 30,375	\$ 82,270	\$ 1,266	\$ 2,224	\$ 171,178	\$ 3,168
476	KIMBERLY DR	PVC	Gravity	T144	200	31.2	1987	65	28	37	\$ 16,886	\$ 9,679	\$ 25,330	\$ 51,895	\$ 798	\$ 1,403	\$ 107,977	\$ 1,998
477	KIMBERLY DR	PVC	Gravity	T144	200	110.8	1987	65	28	37	\$ 59,618	\$ 9,679	\$ 40,466	\$ 109,762	\$ 1,689	\$ 2,967	\$ 228,380	\$ 4,227
478	KIMBERLY DR	AC	Gravity	T144	250	39.3	1979	65	36	29	\$ 21,623	\$ 9,679	\$ -	\$ 31,302	\$ 482	\$ 1,079	\$ 55,587	\$ 1,433
479	KIMBERLY DR	AC	Gravity	T144	250	121.0	1979	65	36	29	\$ 66,310	\$ 9,679	\$ 55,705	\$ 131,694	\$ 2,026	\$ 4,541	\$ 233,868	\$ 6,029
480	KIMBERLY DR	AC	Gravity	T146	250	71.3	1979	65	36	29	\$ 39,127	\$ 9,679	\$ 30,375	\$ 79,181	\$ 1,218	\$ 2,730	\$ 140,613	\$ 3,625
481	KIMBERLY DR	AC	Gravity	T146	250	69.9	1979	65	36	29	\$ 38,303	\$ 9,679	\$ 30,375	\$ 78,357	\$ 1,205	\$ 2,702	\$ 139,151	\$ 3,587
482	SHAWN AVE	AC	Gravity	T145	250	110.0	1979	65	36	29	\$ 60,235	\$ 9,679	\$ 45,614	\$ 115,528	\$ 1,777	\$ 3,984	\$ 205,160	\$ 5,289
483	SHAWN AVE	AC	Gravity	T147	250	99.5	1979	65	36	29	\$ 60,956	\$ 16,166	\$ 26,565	\$ 103,687	\$ 1,595	\$ 3,575	\$ 184,132	\$ 4,747
484	LITTLE RIVER BLVD	CONC	Gravity	T081	750	57.7	1974	65	41	24	\$ 65,384	\$ 16,166	\$ 5,560	\$ 87,110	\$ 1,340	\$ 3,630	\$ 140,110	\$ 4,606
485	LITTLE RIVER BLVD	CONC	Gravity	T080	750	17.8	1974	65	41	24	\$ 20,181	\$ 16,166	\$ -	\$ 36,347	\$ 559	\$ 1,514	\$ 58,462	\$ 1,922
486	GAUTHIER DR	PVC	Gravity	T049	200	118.9	1986	65	29	36	\$ 63,942	\$ 9,679	\$ 70,841	\$ 144,462	\$ 2,222	\$ 4,013	\$ 294,686	\$ 5,668
487	GAUTHIER DR	PVC	Gravity	T048	200	22.3	1986	65	29	36	\$ 13,489	\$ 16,166	\$ -	\$ 29,654	\$ 456	\$ 824	\$ 60,491	\$ 1,163
488	GAUTHIER DR	PVC	Gravity	T104	250	124.1	1986	65	29	36	\$ 75,989	\$ 16,166	\$ 37,171	\$ 129,326	\$ 1,990	\$ 3,592	\$ 263,810	\$ 5,074
489	CHENE ST	AC	Gravity	T053	250	99.5	1979	65	36	29	\$ 54,572	\$ 9,679	\$ 35,420	\$ 99,671	\$ 1,533	\$ 3,437	\$ 177,001	\$ 4,563
490	CHENE ST	AC	Gravity	T053	250	93.4	1979	65	36	29	\$ 51,174	\$ 9,679	\$ 65,796	\$ 126,649	\$ 1,948	\$ 4,367	\$ 224,908	\$ 5,798
491	CHENE ST	AC	Gravity	T053	250	77.0	1979	65	36	29	\$ 42,216	\$ 9,679	\$ 15,239	\$ 67,134	\$ 1,033	\$ 2,315	\$ 119,220	\$ 3,073
492	CHENE CRT	AC	Gravity	T054	200	33.8	1979	65	36	29	\$ 16,784	\$ 7,105	\$ 33,773	\$ 57,661	\$ 887	\$ 1,988	\$ 102,397	\$ 2,640
493	LITTLE RIVER BLVD	AC	Gravity	T055	250	66.4	1979	65	36	29	\$ 36,450	\$ 9,679	\$ 25,330	\$ 71,459	\$ 1,099	\$ 2,464	\$ 126,899	\$ 3,271
494	LITTLE RIVER BLVD	AC	Gravity	T055	250	56.0	1979	65	36	29	\$ 30,684	\$ 9,679	\$ -	\$ 40,363	\$ 621	\$ 1,392	\$ 71,678	\$ 1,848
495	KEITH CRT	PVC	Gravity	T072	200	41.0	1984	65	31	34	\$ 22,138	\$ 9,679	\$ 10,194	\$ 42,010	\$ 646	\$ 1,236	\$ 82,369	\$ 1,715

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
496	KEITH CRT	PVC	Gravity	T072	200	63.1	1984	65	31	34	\$ 33,979	\$ 9,679	\$ 20,284	\$ 63,942	\$ 984	\$ 1,881	\$ 125,370	\$ 2,610
497	KEITH CRT	PVC	Gravity	T072	200	70.8	1984	65	31	34	\$ 38,098	\$ 9,679	\$ 15,239	\$ 63,015	\$ 969	\$ 1,853	\$ 123,553	\$ 2,572
498	LACASSE BLVD	AC	Gravity	T064	300	53.5	1974	65	41	24	\$ 30,684	\$ 9,679	\$ 25,433	\$ 65,796	\$ 1,012	\$ 2,741	\$ 105,828	\$ 3,479
499	LACASSE BLVD	AC	Gravity	T064	300	28.3	1974	65	41	24	\$ 16,269	\$ 9,679	\$ 10,194	\$ 36,141	\$ 556	\$ 1,506	\$ 58,131	\$ 1,911
500	LITTLE RIVER BLVD	CONC	Gravity	T090	750	78.8	1974	65	41	24	\$ 89,375	\$ 20,593	\$ 27,389	\$ 137,357	\$ 2,113	\$ 5,723	\$ 220,930	\$ 7,262
501	LITTLE RIVER BLVD	CONC	Gravity	T083	750	14.0	1974	65	41	24	\$ 15,857	\$ 20,593	\$ 11,017	\$ 47,468	\$ 730	\$ 1,978	\$ 76,348	\$ 2,510
502	MICHAEL DR	AC	Gravity	T089	250	105.2	1979	65	36	29	\$ 57,661	\$ 9,679	\$ 35,420	\$ 102,760	\$ 1,581	\$ 3,543	\$ 182,487	\$ 4,704
503	MICHAEL DR	AC	Gravity	T087	250	95.6	1979	65	36	29	\$ 52,410	\$ 9,679	\$ 30,375	\$ 92,464	\$ 1,423	\$ 3,188	\$ 164,201	\$ 4,233
504	MICHAEL DR	AC	Gravity	T084	250	48.9	1979	65	36	29	\$ 26,874	\$ 9,679	\$ -	\$ 36,553	\$ 562	\$ 1,260	\$ 64,913	\$ 1,673
505	MICHAEL DR	AC	Gravity	T084	250	54.6	1979	65	36	29	\$ 29,963	\$ 9,679	\$ 10,194	\$ 49,836	\$ 767	\$ 1,718	\$ 88,501	\$ 2,281
506	JAMES CRES	PVC	Gravity	T086	200	85.5	1996	65	19	46	\$ 42,422	\$ 7,105	\$ 57,867	\$ 107,394	\$ 1,652	\$ 2,335	\$ 267,047	\$ 3,593
507	CHAMP CRES	PVC	Gravity	T276	200	44.0	2003	65	12	53	\$ 21,829	\$ 7,105	\$ 81,961	\$ 110,895	\$ 1,706	\$ 2,092	\$ 316,753	\$ 3,413
508	CHAMP CRES	PVC	Gravity	T278	200	59.3	2003	65	12	53	\$ 29,448	\$ 7,105	\$ 53,028	\$ 89,581	\$ 1,378	\$ 1,690	\$ 255,873	\$ 2,757
509	CHAMP CRES	PVC	Gravity	T278	200	20.3	2003	65	12	53	\$ 10,091	\$ 7,105	\$ 4,839	\$ 22,035	\$ 339	\$ 416	\$ 62,939	\$ 678
522	SOUTHFIELD DR	PVC	Gravity	T277	200	55.8	1990	65	25	40	\$ 33,567	\$ 16,166	\$ -	\$ 49,733	\$ 765	\$ 1,243	\$ 109,812	\$ 1,818
523	SOUTHFIELD DR	PVC	Gravity	T277	200	60.4	1990	65	25	40	\$ 29,963	\$ 7,105	\$ -	\$ 37,068	\$ 570	\$ 927	\$ 81,847	\$ 1,355
524	SOUTHFIELD DR	PVC	Gravity	T277	200	64.0	1990	65	25	40	\$ 31,714	\$ 7,105	\$ -	\$ 38,818	\$ 597	\$ 970	\$ 85,712	\$ 1,419
525	SOUTHFIELD DR	PVC	Gravity	T277	450	60.8	1990	65	25	40	\$ 34,597	\$ 7,105	\$ -	\$ 41,701	\$ 642	\$ 1,043	\$ 92,078	\$ 1,524
526	DEMARSE CRT	PVC	Gravity	T302	200	17.5	1995	65	20	45	\$ 8,752	\$ 7,105	\$ 28,934	\$ 44,790	\$ 689	\$ 995	\$ 109,192	\$ 1,519
527	DEMARSE CRT	PVC	Gravity	T302	250	88.8	1995	65	20	45	\$ 48,703	\$ 9,679	\$ 60,750	\$ 119,132	\$ 1,833	\$ 2,647	\$ 290,427	\$ 4,040
528	DEMARSE CRT	PVC	Gravity	T303	200	28.4	1995	65	20	45	\$ 14,106	\$ 7,105	\$ 43,452	\$ 64,663	\$ 995	\$ 1,437	\$ 157,639	\$ 2,193
529	DEMARSE CRT	PVC	Gravity	T303	250	54.8	1995	65	20	45	\$ 30,066	\$ 9,679	\$ 45,614	\$ 85,359	\$ 1,313	\$ 1,897	\$ 208,093	\$ 2,894
530	GAUTHIER DR	AC	Gravity	T107	250	63.0	1974	65	41	24	\$ 31,817	\$ 7,105	\$ 4,839	\$ 43,761	\$ 673	\$ 1,823	\$ 70,386	\$ 2,314
531	GAUTHIER DR	AC	Gravity	T107	200	39.4	1979	65	36	29	\$ 19,564	\$ 7,105	\$ 14,518	\$ 41,187	\$ 634	\$ 1,420	\$ 73,141	\$ 1,885
532	GAUTHIER DR	AC	Gravity	T110	200	45.8	1979	65	36	29	\$ 22,756	\$ 7,105	\$ 14,518	\$ 44,379	\$ 683	\$ 1,530	\$ 78,809	\$ 2,032
533	OLIVER DR	AC	Gravity	T108	200	60.5	1979	65	36	29	\$ 32,537	\$ 9,679	\$ 5,148	\$ 47,365	\$ 729	\$ 1,633	\$ 84,112	\$ 2,168
534	OLIVER DR	AC	Gravity	T108	200	79.6	1979	65	36	29	\$ 42,834	\$ 9,679	\$ 25,330	\$ 77,843	\$ 1,198	\$ 2,684	\$ 138,236	\$ 3,564
535	OLIVER DR	AC	Gravity	T108	200	81.1	1979	65	36	29	\$ 43,658	\$ 9,679	\$ 30,375	\$ 83,712	\$ 1,288	\$ 2,887	\$ 148,659	\$ 3,832
536	OLIVER DR	AC	Gravity	T108	200	71.9	1979	65	36	29	\$ 38,715	\$ 9,679	\$ 10,194	\$ 58,588	\$ 901	\$ 2,020	\$ 104,043	\$ 2,682
537	OLIVER DR	AC	Gravity	T108	200	19.8	1979	65	36	29	\$ 11,944	\$ 16,166	\$ 5,354	\$ 33,464	\$ 515	\$ 1,154	\$ 59,427	\$ 1,532
538	GAUTHIER DR	PVC	Gravity	T110	200	44.7	1987	65	28	37	\$ 24,094	\$ 9,679	\$ 15,239	\$ 49,012	\$ 754	\$ 1,325	\$ 101,979	\$ 1,887
539	GAUTHIER DR	PVC	Gravity	T112	200	39.8	1987	65	28	37	\$ 19,770	\$ 7,105	\$ 9,679	\$ 36,553	\$ 562	\$ 988	\$ 76,055	\$ 1,408
540	GAUTHIER DR	PVC	Gravity	T112	200	33.7	1980	65	35	30	\$ 16,784	\$ 7,105	\$ 9,679	\$ 33,567	\$ 516	\$ 1,119	\$ 60,802	\$ 1,499
541	GAUTHIER DR	PVC	Gravity	T119	200	45.8	1980	65	35	30	\$ 22,756	\$ 7,105	\$ 14,518	\$ 44,379	\$ 683	\$ 1,479	\$ 80,386	\$ 1,981
542	GAUTHIER DR	PVC	Gravity	T119	250	72.1	1979	65	36	29	\$ 36,450	\$ 7,105	\$ 24,094	\$ 67,649	\$ 1,041	\$ 2,333	\$ 120,134	\$ 3,097
543	GAUTHIER DR	PVC	Gravity	T122	250	91.9	1979	65	36	29	\$ 46,438	\$ 7,105	\$ 24,094	\$ 77,637	\$ 1,194	\$ 2,677	\$ 137,871	\$ 3,554
544	EVERGREEN DR	PVC	Gravity	T120	250	58.3	1979	65	36	29	\$ 29,448	\$ 7,105	\$ 4,839	\$ 41,392	\$ 637	\$ 1,427	\$ 73,507	\$ 1,895
545	GAUTHIER DR	PVC	Gravity	T122	250	94.0	1979	65	36	29	\$ 47,468	\$ 7,105	\$ 33,773	\$ 88,345	\$ 1,359	\$ 3,046	\$ 156,887	\$ 4,044
546	GAUTHIER DR	PVC	Gravity	T122	250	104.5	1979	65	36	29	\$ 57,352	\$ 9,679	\$ 35,420	\$ 102,452	\$ 1,576	\$ 3,533	\$ 181,938	\$ 4,690
547	GAUTHIER DR	PVC	Gravity	T122	250	96.9	1979	65	36	29	\$ 53,131	\$ 9,679	\$ 35,420	\$ 98,230	\$ 1,511	\$ 3,387	\$ 174,441	\$ 4,497
548	GAUTHIER DR	PVC	Gravity	T122	250	99.5	1979	65	36	29	\$ 54,572	\$ 9,679	\$ 35,420	\$ 99,671	\$ 1,533	\$ 3,437	\$ 177,001	\$ 4,563
549	GAUTHIER DR	PVC	Gravity	T122	250	17.7	1979	65	36	29	\$ 9,782	\$ 9,679	\$ -	\$ 19,461	\$ 299	\$ 671	\$ 34,559	\$ 891
550	PRIMROSE PL	PVC	Gravity	T240	250	104.3	1986	65	29	36	\$ 57,146	\$ 9,679	\$ 86,080	\$ 152,905	\$ 2,352	\$ 4,247	\$ 311,909	\$ 5,999
551	PRIMROSE PL	PVC	Gravity	T240	250	44.5	1986	65	29	36	\$ 24,403	\$ 9,679	\$ -	\$ 34,082	\$ 524	\$ 947	\$ 69,523	\$ 1,337
552	JUNIPER CRT	PVC	Gravity	T242	250	35.8	1986	65	29	36	\$ 18,122	\$ 7,105	\$ 9,679	\$ 34,906	\$ 537	\$ 970	\$ 71,203	\$ 1,369
553	JUNIPER CRT	PVC	Gravity	T242	250	71.6	1986	65	29	36	\$ 36,141	\$ 7,105	\$ 57,867	\$ 101,113	\$ 1,556	\$ 2,809	\$ 206,259	\$ 3,967
554	JUNIPER CRT	PVC	Gravity	T242	250	62.7	1986	65	29	36	\$ 31,714	\$ 7,105	\$ 14,518	\$ 53,337	\$ 821	\$ 1,482	\$ 108,801	\$ 2,093
555	MEADOWLAND CRES	PVC	Gravity	T257	250	104.8	1987	65	28	37	\$ 57,455	\$ 9,679	\$ 60,750	\$ 127,884	\$ 1,967	\$ 3,456	\$ 266,087	\$ 4,924
556	MEADOWLAND CRES	PVC	Gravity	T257	250	106.8	1987	65	28	37	\$ 58,485	\$ 9,679	\$ 70,841	\$ 139,005	\$ 2,139	\$ 3,757	\$ 289,225	\$ 5,353
557	POISSON ST	AC	Gravity	T297	250	85.6	1974	65	41	24	\$ 43,246	\$ 7,105	\$ 19,358	\$ 69,708	\$ 1,072	\$ 2,905	\$ 112,121	\$ 3,686
558	POISSON ST	AC	Gravity	T297	250	10.2	1974	65	41	24	\$ 5,663	\$ 9,679	\$ -	\$ 15,342	\$ 236	\$ 639	\$ 24,677	\$ 811
559	TECUMSEH RD	PVC	Gravity	T264	250	114.1	1981	65	34	31	\$ 62,604	\$ 9,679	\$ 10,194	\$ 82,476	\$ 1,269	\$ 2,661	\$ 152,382	\$ 3,596
560	ST ANNE BLVD	AC	Gravity	T298	250	87.3	1974	65	41	24	\$ 47,879	\$ 9,679	\$ 30,375	\$ 87,933	\$ 1,353	\$ 3,664	\$ 141,435	\$ 4,649
561	ST ANNE BLVD	AC	Gravity	T298	250	10.5	1974	65	41	24	\$ 5,766	\$ 9,679	\$ -	\$ 15,445	\$ 238	\$ 644	\$ 24,842	\$ 817
562	BORDER CRES	PVC	Gravity	T271	200	71.9	1996	65	19	46	\$ 35,626	\$ 7,105	\$ 130,150	\$ 172,881	\$ 2,660	\$ 3,758	\$ 429,887	\$ 5,783

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
563	BORDER CRES	PVC	Gravity	T271	200	35.0	1996	65	19	46	\$ 17,401	\$ 7,105	\$ 67,443	\$ 91,949	\$ 1,415	\$ 1,999	\$ 228,641	\$ 3,076
564	BORDER CRES	PVC	Gravity	T271	200	37.9	1996	65	19	46	\$ 20,387	\$ 9,679	\$ 50,659	\$ 80,726	\$ 1,242	\$ 1,755	\$ 200,733	\$ 2,701
565	MICKAILA CRES	PVC	Gravity	T274	200	92.3	1996	65	19	46	\$ 45,717	\$ 7,105	\$ 134,886	\$ 187,708	\$ 2,888	\$ 4,081	\$ 466,756	\$ 6,279
566	RENAUD ST	AC	Gravity	T305	250	50.5	1974	65	41	24	\$ 25,536	\$ 7,105	\$ 24,094	\$ 56,734	\$ 873	\$ 2,364	\$ 91,254	\$ 3,000
567	RENAUD ST	AC	Gravity	T305	250	34.7	1974	65	41	24	\$ 17,504	\$ 7,105	\$ 19,358	\$ 43,967	\$ 676	\$ 1,832	\$ 70,718	\$ 2,325
568	LESPERANCE RD	CONC	Gravity	T312	600	103.2	1974	65	41	24	\$ 90,199	\$ 16,166	\$ 27,389	\$ 133,753	\$ 2,058	\$ 5,573	\$ 215,134	\$ 7,072
569	LANOUE ST	PVC	Gravity	T315	200	52.4	1991	65	24	41	\$ 25,948	\$ 11,017	\$ 28,934	\$ 65,898	\$ 1,014	\$ 1,607	\$ 148,417	\$ 2,370
570	LANOUE ST	PVC	Gravity	T316	200	72.9	1991	65	24	41	\$ 36,141	\$ 7,105	\$ 43,452	\$ 86,698	\$ 1,334	\$ 2,115	\$ 195,261	\$ 3,119
571	ARBOUR ST	PVC	Gravity	T310	200	61.3	1991	65	24	41	\$ 30,375	\$ 7,105	\$ 4,839	\$ 42,319	\$ 651	\$ 1,032	\$ 95,311	\$ 1,522
572	LANOUE ST	PVC	Gravity	T317	200	119.0	1991	65	24	41	\$ 59,000	\$ 7,105	\$ 67,443	\$ 133,547	\$ 2,055	\$ 3,257	\$ 300,776	\$ 4,804
573	LANOUE ST	PVC	Gravity	T317	200	43.0	1992	65	23	42	\$ 21,314	\$ 7,105	\$ 24,094	\$ 52,513	\$ 808	\$ 1,250	\$ 120,635	\$ 1,860
574	LANOUE ST	PVC	Gravity	T317	200	76.0	1992	65	23	42	\$ 37,686	\$ 7,105	\$ 48,188	\$ 92,979	\$ 1,430	\$ 2,214	\$ 213,595	\$ 3,293
575	LANOUE ST	PVC	Gravity	T317	200	114.5	1992	65	23	42	\$ 56,734	\$ 7,105	\$ 57,867	\$ 121,706	\$ 1,872	\$ 2,898	\$ 279,589	\$ 4,311
583	LANOUE ST	PVC	Gravity	T317	200	94.5	1995	65	20	45	\$ 46,850	\$ 7,105	\$ 81,961	\$ 135,916	\$ 2,091	\$ 3,020	\$ 331,342	\$ 4,609
584	LANOUE ST	PVC	Gravity	T317	200	90.5	1995	65	20	45	\$ 48,703	\$ 9,679	\$ 75,886	\$ 134,268	\$ 2,066	\$ 2,984	\$ 327,326	\$ 4,553
585	LANOUE ST	PVC	Gravity	T317	200	93.9	1995	65	20	45	\$ 46,541	\$ 7,105	\$ 62,707	\$ 116,352	\$ 1,790	\$ 2,586	\$ 283,649	\$ 3,945
586	LANOUE ST	PVC	Gravity	T317	250	120.9	1994	65	21	44	\$ 61,059	\$ 7,105	\$ 72,282	\$ 140,446	\$ 2,161	\$ 3,192	\$ 335,674	\$ 4,830
587	NORTHFIELD WAY	PVC	Gravity	T324	200	39.6	1994	65	21	44	\$ 19,667	\$ 7,105	\$ 4,839	\$ 31,611	\$ 486	\$ 718	\$ 75,551	\$ 1,087
588	NORTHFIELD WAY	PVC	Gravity	T324	200	96.9	1994	65	21	44	\$ 47,982	\$ 7,105	\$ 57,867	\$ 112,954	\$ 1,738	\$ 2,567	\$ 269,966	\$ 3,884
589	NORTHFIELD WAY	PVC	Gravity	T324	200	97.9	1994	65	21	44	\$ 48,497	\$ 7,105	\$ 62,707	\$ 118,308	\$ 1,820	\$ 2,689	\$ 282,763	\$ 4,068
590	SHELLEY CRT	PVC	Gravity	T323	200	98.4	1994	65	21	44	\$ 48,806	\$ 7,105	\$ 67,443	\$ 123,354	\$ 1,898	\$ 2,803	\$ 294,822	\$ 4,242
591	SHELLEY CRT	PVC	Gravity	T323	200	46.9	1994	65	21	44	\$ 23,270	\$ 7,105	\$ 9,679	\$ 40,054	\$ 616	\$ 910	\$ 95,731	\$ 1,377
592	NORTHFIELD WAY	PVC	Gravity	T324	200	83.0	1994	65	21	44	\$ 41,187	\$ 7,105	\$ 48,188	\$ 96,479	\$ 1,484	\$ 2,193	\$ 230,591	\$ 3,318
593	NORTHFIELD WAY	PVC	Gravity	T322	250	93.3	1994	65	21	44	\$ 47,159	\$ 7,105	\$ 48,188	\$ 102,452	\$ 1,576	\$ 2,328	\$ 244,865	\$ 3,523
594	JACIE CRT	PVC	Gravity	T321	200	122.1	1994	65	21	44	\$ 60,544	\$ 7,105	\$ 81,961	\$ 149,610	\$ 2,302	\$ 3,400	\$ 357,576	\$ 5,145
595	JACIE CRT	PVC	Gravity	T321	200	43.8	1994	65	21	44	\$ 21,726	\$ 7,105	\$ -	\$ 28,831	\$ 444	\$ 655	\$ 68,907	\$ 991
596	NORTHFIELD WAY	PVC	Gravity	T320	250	68.1	1993	65	22	43	\$ 34,391	\$ 7,105	\$ 43,452	\$ 84,947	\$ 1,307	\$ 1,976	\$ 199,048	\$ 2,964
597	NORTHFIELD WAY	PVC	Gravity	T320	250	50.1	1993	65	22	43	\$ 25,330	\$ 7,105	\$ 24,094	\$ 56,529	\$ 870	\$ 1,315	\$ 132,457	\$ 1,972
598	LANOUE ST	PVC	Gravity	T318	200	51.4	1993	65	22	43	\$ 25,536	\$ 7,105	\$ 19,358	\$ 51,998	\$ 800	\$ 1,209	\$ 121,841	\$ 1,814
599	LEMIRE ST	PVC	Gravity	T319	250	119.3	1993	65	22	43	\$ 60,235	\$ 7,105	\$ 57,867	\$ 125,207	\$ 1,926	\$ 2,912	\$ 293,384	\$ 4,368
600	LEMIRE ST	PVC	Gravity	T319	250	82.9	1993	65	22	43	\$ 45,511	\$ 9,679	\$ 60,750	\$ 115,940	\$ 1,784	\$ 2,696	\$ 271,670	\$ 4,045
601	LEMIRE ST	PVC	Gravity	T319	250	61.6	1993	65	22	43	\$ 33,773	\$ 9,679	\$ 20,284	\$ 63,736	\$ 981	\$ 1,482	\$ 149,346	\$ 2,224
602	LANOUE ST	PVC	Gravity	T325	250	128.9	1994	65	21	44	\$ 65,075	\$ 7,105	\$ 72,282	\$ 144,462	\$ 2,222	\$ 3,283	\$ 345,271	\$ 4,968
603	LEMIRE ST	PVC	Gravity	T319	300	120.1	1993	65	22	43	\$ 68,782	\$ 9,679	\$ 76,298	\$ 154,758	\$ 2,381	\$ 3,599	\$ 362,628	\$ 5,400
604	LEMIRE ST	PVC	Gravity	T319	300	39.7	1993	65	22	43	\$ 22,756	\$ 9,679	\$ 15,342	\$ 47,776	\$ 735	\$ 1,111	\$ 111,949	\$ 1,667
605	LEMIRE ST	PVC	Gravity	T319	300	69.0	1993	65	22	43	\$ 39,539	\$ 9,679	\$ 15,342	\$ 64,560	\$ 993	\$ 1,501	\$ 151,276	\$ 2,252
606	LEMIRE ST	PVC	Gravity	T319	375	50.7	1993	65	22	43	\$ 30,272	\$ 9,679	\$ -	\$ 39,951	\$ 615	\$ 929	\$ 93,613	\$ 1,394
607	LANOUE ST	PVC	Gravity	T326	300	60.9	1995	65	20	45	\$ 34,906	\$ 9,679	\$ 15,342	\$ 59,926	\$ 922	\$ 1,332	\$ 146,092	\$ 2,032
608	HEATHERGLEN CRES	PVC	Gravity	T327	300	97.1	1998	65	17	48	\$ 51,277	\$ 7,105	\$ 67,855	\$ 126,237	\$ 1,942	\$ 2,630	\$ 326,583	\$ 4,116
609	HEATHERGLEN CRES	PVC	Gravity	T327	300	76.9	1998	65	17	48	\$ 40,569	\$ 7,105	\$ 33,979	\$ 81,652	\$ 1,256	\$ 1,701	\$ 211,240	\$ 2,662
610	HEATHERGLEN CRES	PVC	Gravity	T327	300	57.7	1998	65	17	48	\$ 30,478	\$ 7,105	\$ 38,818	\$ 76,401	\$ 1,175	\$ 1,592	\$ 197,655	\$ 2,491
611	HEATHERGLEN CRES	PVC	Gravity	T327	300	97.5	1998	65	17	48	\$ 51,483	\$ 7,105	\$ 58,176	\$ 116,764	\$ 1,796	\$ 2,433	\$ 302,076	\$ 3,807
612	HEATHERGLEN CRES	PVC	Gravity	T331	300	90.1	1996	65	19	46	\$ 47,570	\$ 7,105	\$ 67,855	\$ 122,530	\$ 1,885	\$ 2,664	\$ 304,684	\$ 4,099
613	HEATHERGLEN CRES	PVC	Gravity	T327	300	90.2	1996	65	19	46	\$ 47,570	\$ 7,105	\$ 96,891	\$ 151,567	\$ 2,332	\$ 3,295	\$ 376,887	\$ 5,070
614	HEATHERGLEN CRES	PVC	Gravity	T331	300	87.1	1996	65	19	46	\$ 45,923	\$ 7,105	\$ 67,855	\$ 120,883	\$ 1,860	\$ 2,628	\$ 300,588	\$ 4,044
615	CORTINA CRES	PVC	Gravity	T330	300	91.9	1996	65	19	46	\$ 48,497	\$ 7,105	\$ 43,658	\$ 99,260	\$ 1,527	\$ 2,158	\$ 246,820	\$ 3,321
616	CORTINA CRES	PVC	Gravity	T330	300	81.7	1996	65	19	46	\$ 43,143	\$ 7,105	\$ 38,818	\$ 89,066	\$ 1,370	\$ 1,936	\$ 221,472	\$ 2,980
617	CORTINA CRES	PVC	Gravity	T330	300	75.9	1996	65	19	46	\$ 40,054	\$ 7,105	\$ 43,658	\$ 90,816	\$ 1,397	\$ 1,974	\$ 225,825	\$ 3,038
618	CORTINA CRES	PVC	Gravity	T330	300	73.4	1996	65	19	46	\$ 38,715	\$ 7,105	\$ 33,979	\$ 79,799	\$ 1,228	\$ 1,735	\$ 198,429	\$ 2,670
619	LANOUE ST	PVC	Gravity	T329	300	107.4	1996	65	19	46	\$ 56,632	\$ 7,105	\$ -	\$ 63,736	\$ 981	\$ 1,386	\$ 158,487	\$ 2,132
620	LANOUE ST	PVC	Gravity	T332	300	41.7	1996	65	19	46	\$ 22,035	\$ 7,105	\$ -	\$ 29,139	\$ 448	\$ 633	\$ 72,459	\$ 975
621	LESPERANCE RD	CONC	Gravity	T118	750	84.6	1974	65	41	24	\$ 95,862	\$ 20,593	\$ 32,949	\$ 149,404	\$ 2,299	\$ 6,225	\$ 240,307	\$ 7,899
622	LESPERANCE RD	CONC	Gravity	T116	750	21.4	1974	65	41	24	\$ 24,300	\$ 18,019	\$ 16,475	\$ 58,794	\$ 905	\$ 2,450	\$ 94,566	\$ 3,108
623	ST PIERRE ST	AC	Gravity	T024	250	54.8	1974	65	41	24	\$ 30,066	\$ 9,679	\$ 25,330	\$ 65,075	\$ 1,001	\$ 2,711	\$ 104,669	\$ 3,441
624	ST PIERRE ST	AC	Gravity	T025	250	51.5	1974	65	41	24	\$ 28,316	\$ 9,679	\$ 15,239	\$ 53,234	\$ 819	\$ 2,218	\$ 85,623	\$ 2,815

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
625	DILLON DR	PVC	Gravity	T023	200	74.2	1991	65	24	41	\$ 39,951	\$ 9,679	\$ 20,284	\$ 69,914	\$ 1,076	\$ 1,705	\$ 157,461	\$ 2,515
626	DILLON DR	AC	Gravity	T038	200	79.7	1979	65	36	29	\$ 39,539	\$ 7,105	\$ 24,094	\$ 70,738	\$ 1,088	\$ 2,439	\$ 125,620	\$ 3,238
627	DILLON DR	AC	Gravity	T043	300	40.3	1979	65	36	29	\$ 23,064	\$ 9,679	\$ -	\$ 32,743	\$ 504	\$ 1,129	\$ 58,147	\$ 1,499
628	DILLON DR	AC	Gravity	T043	300	39.7	1979	65	36	29	\$ 21,005	\$ 7,105	\$ 14,621	\$ 42,731	\$ 657	\$ 1,473	\$ 75,884	\$ 1,956
629	DILLON DR	AC	Gravity	T043	300	38.9	1979	65	36	29	\$ 22,344	\$ 9,679	\$ 10,194	\$ 42,216	\$ 649	\$ 1,456	\$ 74,969	\$ 1,933
630	DILLON DR	AC	Gravity	T045	300	78.1	1979	65	36	29	\$ 44,790	\$ 9,679	\$ 10,194	\$ 64,663	\$ 995	\$ 2,230	\$ 114,831	\$ 2,960
631	DILLON DR	AC	Gravity	T047	350	92.9	1979	65	36	29	\$ 55,499	\$ 9,679	\$ 20,490	\$ 85,668	\$ 1,318	\$ 2,954	\$ 152,133	\$ 3,922
632	DILLON DR	AC	Gravity	T047	350	71.0	1979	65	36	29	\$ 42,422	\$ 9,679	\$ 10,297	\$ 62,398	\$ 960	\$ 2,152	\$ 110,808	\$ 2,856
633	TECUMSEH RD	CONC	Gravity	T265	600	4.1	1974	65	41	24	\$ 3,604	\$ 16,166	\$ -	\$ 19,770	\$ 304	\$ 824	\$ 31,798	\$ 1,045
634	JASPER PL	AC	Gravity	T046	200	97.9	1979	65	36	29	\$ 52,719	\$ 9,679	\$ 55,705	\$ 118,102	\$ 1,817	\$ 4,072	\$ 209,732	\$ 5,407
635	ST THOMAS ST	AC	Gravity	T174	450	84.6	1979	65	36	29	\$ 52,204	\$ 9,679	\$ 31,199	\$ 93,082	\$ 1,432	\$ 3,210	\$ 165,298	\$ 4,261
636	DILLON DR	AC	Gravity	T174	450	71.2	1979	65	36	29	\$ 43,967	\$ 9,679	\$ 20,799	\$ 74,445	\$ 1,145	\$ 2,567	\$ 132,202	\$ 3,408
637	CENTENNIAL DR	AC	Gravity	T170	300	54.4	1974	65	41	24	\$ 31,199	\$ 9,679	\$ -	\$ 40,878	\$ 629	\$ 1,703	\$ 65,749	\$ 2,161
638	CENTENNIAL DR	AC	Gravity	T170	450	1.7	1979	65	36	29	\$ 1,236	\$ 20,593	\$ -	\$ 21,829	\$ 336	\$ 753	\$ 38,765	\$ 999
639	LITTLE RIVER BLVD	AC	Gravity	T097	450	69.9	1979	65	36	29	\$ 48,085	\$ 20,593	\$ -	\$ 68,679	\$ 1,057	\$ 2,368	\$ 121,962	\$ 3,144
640	VERONICA CRT	AC	Gravity	T173	200	109.1	1979	65	36	29	\$ 58,691	\$ 9,679	\$ 70,841	\$ 139,211	\$ 2,142	\$ 4,800	\$ 247,216	\$ 6,373
641	RIDEAU PL	AC	Gravity	T176	200	63.7	1979	65	36	29	\$ 34,288	\$ 9,679	\$ 40,466	\$ 84,432	\$ 1,299	\$ 2,911	\$ 149,939	\$ 3,865
642	PAISLEY CIR	AC	Gravity	T178	200	73.8	1979	65	36	29	\$ 39,745	\$ 9,679	\$ 55,705	\$ 105,129	\$ 1,617	\$ 3,625	\$ 186,692	\$ 4,813
643	BRENDA CRES	PVC	Gravity	T203	300	54.8	1990	65	25	40	\$ 31,405	\$ 9,679	\$ -	\$ 41,084	\$ 632	\$ 1,027	\$ 90,714	\$ 1,502
644	BRENDA CRES	PVC	Gravity	T203	300	122.4	1990	65	25	40	\$ 70,120	\$ 9,679	\$ -	\$ 79,799	\$ 1,228	\$ 1,995	\$ 176,199	\$ 2,917
645	BRENDA CRES	PVC	Gravity	T203	300	46.8	1990	65	25	40	\$ 26,874	\$ 9,679	\$ -	\$ 36,553	\$ 562	\$ 914	\$ 80,711	\$ 1,336
646	BRENDA CRES	PVC	Gravity	T203	300	76.8	1990	65	25	40	\$ 44,070	\$ 9,679	\$ -	\$ 53,748	\$ 827	\$ 1,344	\$ 118,679	\$ 1,965
647	BRENDA CRES	PVC	Gravity	T203	300	120.5	1990	65	25	40	\$ 68,987	\$ 9,679	\$ 30,581	\$ 109,247	\$ 1,681	\$ 2,731	\$ 241,222	\$ 3,994
648	BRENDA CRES	PVC	Gravity	T203	300	20.0	1990	65	25	40	\$ 11,429	\$ 9,679	\$ -	\$ 21,108	\$ 325	\$ 528	\$ 46,608	\$ 772
649	PARKLAND CRES	PVC	Gravity	T231	200	51.9	1993	65	22	43	\$ 25,742	\$ 7,105	\$ 43,452	\$ 76,298	\$ 1,174	\$ 1,774	\$ 178,781	\$ 2,662
650	PARKLAND CRES	PVC	Gravity	T231	250	99.1	1993	65	22	43	\$ 54,366	\$ 9,679	\$ 40,466	\$ 104,511	\$ 1,608	\$ 2,430	\$ 244,889	\$ 3,646
651	PARKLAND CRES	PVC	Gravity	T229	200	43.1	1993	65	22	43	\$ 23,167	\$ 9,679	\$ 15,239	\$ 48,085	\$ 740	\$ 1,118	\$ 112,673	\$ 1,678
652	GREEN VALLEY DR	CONC	Gravity	T254	450	16.9	1991	65	24	41	\$ 10,503	\$ 9,679	\$ -	\$ 20,181	\$ 310	\$ 492	\$ 45,453	\$ 726
653	TECUMSEH RD	PVC	Gravity	T253	375	4.0	1991	65	24	41	\$ 2,471	\$ 9,679	\$ -	\$ 12,150	\$ 187	\$ 296	\$ 27,364	\$ 437
654	TECUMSEH RD	PVC	Gravity	T253	375	130.5	1991	65	24	41	\$ 77,946	\$ 9,679	\$ 10,297	\$ 97,921	\$ 1,506	\$ 2,388	\$ 220,538	\$ 3,522
655	TECUMSEH RD	PVC	Gravity	T253	200	100.2	1991	65	24	41	\$ 53,851	\$ 9,679	\$ 20,284	\$ 83,815	\$ 1,289	\$ 2,044	\$ 188,767	\$ 3,015
656	LEMIRE ST	PVC	Gravity	T319	375	60.0	1993	65	22	43	\$ 35,832	\$ 9,679	\$ 5,148	\$ 50,659	\$ 779	\$ 1,178	\$ 118,705	\$ 1,768
657	TECUMSEH RD	PVC	Gravity	T253	200	91.7	1991	65	24	41	\$ 45,511	\$ 7,105	\$ 4,839	\$ 57,455	\$ 884	\$ 1,401	\$ 129,401	\$ 2,067
658	TECUMSEH RD	PVC	Gravity	T253	200	98.4	1991	65	24	41	\$ 48,806	\$ 7,105	\$ 4,839	\$ 60,750	\$ 935	\$ 1,482	\$ 136,822	\$ 2,185
659	LANOUE ST	PVC	Gravity	T332	300	5.8	1996	65	19	46	\$ 3,089	\$ 7,105	\$ -	\$ 10,194	\$ 157	\$ 222	\$ 25,348	\$ 341
660	LANOUE ST	PVC	Gravity	T332	300	15.5	1996	65	19	46	\$ 8,237	\$ 7,105	\$ -	\$ 15,342	\$ 236	\$ 334	\$ 38,150	\$ 513
661	LANOUE ST	PVC	Gravity	T332	300	84.0	1998	65	17	48	\$ 44,379	\$ 7,105	\$ -	\$ 51,483	\$ 792	\$ 1,073	\$ 133,191	\$ 1,678
662	BROUILLETTE CRT	AC	Gravity	T281	250	36.5	1970	65	45	20	\$ 18,431	\$ 7,105	\$ -	\$ 25,536	\$ 393	\$ 1,277	\$ 37,945	\$ 1,562
663	BROUILLETTE CRT	AC	Gravity	T282	250	98.6	1970	65	45	20	\$ 49,733	\$ 7,105	\$ 43,452	\$ 100,289	\$ 1,543	\$ 5,014	\$ 149,025	\$ 6,133
664	BROUILLETTE CRT	AC	Gravity	T282	250	18.6	1970	65	45	20	\$ 9,473	\$ 7,105	\$ 4,839	\$ 21,417	\$ 329	\$ 1,071	\$ 31,825	\$ 1,310
665	SHAWNEE RD	AC	Gravity	T284	250	87.7	1974	65	41	24	\$ 44,276	\$ 7,105	\$ 28,934	\$ 80,314	\$ 1,236	\$ 3,346	\$ 129,180	\$ 4,246
666	SHAWNEE RD	AC	Gravity	T284	250	1.6	1974	65	41	24	\$ 824	\$ 7,105	\$ -	\$ 7,928	\$ 122	\$ 330	\$ 12,752	\$ 419
667	POISSON ST	AC	Gravity	T293	250	9.9	1974	65	41	24	\$ 5,045	\$ 7,105	\$ -	\$ 12,150	\$ 187	\$ 506	\$ 19,543	\$ 642
668	POISSON ST	AC	Gravity	T293	250	103.9	1974	65	41	24	\$ 52,513	\$ 7,105	\$ 48,188	\$ 107,806	\$ 1,659	\$ 4,492	\$ 173,399	\$ 5,700
669	ARBOUR ST	PVC	Gravity	T291	250	116.1	1992	65	23	42	\$ 58,691	\$ 7,105	\$ 9,679	\$ 75,474	\$ 1,161	\$ 1,797	\$ 173,383	\$ 2,673
670	ARBOUR ST	PVC	Gravity	T291	250	2.8	1992	65	23	42	\$ 1,442	\$ 7,105	\$ -	\$ 8,546	\$ 131	\$ 203	\$ 19,633	\$ 303
671	REVLAND DR	PVC	Gravity	T228	250	11.3	1998	65	17	48	\$ 6,178	\$ 9,679	\$ -	\$ 15,857	\$ 244	\$ 330	\$ 41,023	\$ 517
672	TECUMSEH RD	PVC	Gravity	T260	200	114.0	1991	65	24	41	\$ 56,529	\$ 7,105	\$ 28,934	\$ 92,567	\$ 1,424	\$ 2,258	\$ 208,479	\$ 3,330
673	TECUMSEH RD	PVC	Gravity	T260	250	107.9	1991	65	24	41	\$ 59,206	\$ 9,679	\$ 30,375	\$ 99,260	\$ 1,527	\$ 2,421	\$ 223,552	\$ 3,571
674	TECUMSEH RD	PVC	Gravity	T260	250	101.7	1991	65	24	41	\$ 55,808	\$ 9,679	\$ 30,375	\$ 95,862	\$ 1,475	\$ 2,338	\$ 215,900	\$ 3,448
675	SALICH CRT	AC	Gravity	T044	200	50.7	1979	65	36	29	\$ 27,286	\$ 9,679	\$ 50,659	\$ 87,624	\$ 1,348	\$ 3,022	\$ 155,607	\$ 4,011
676	SALICH CRT	AC	Gravity	T044	200	53.2	1979	65	36	29	\$ 28,625	\$ 9,679	\$ 10,194	\$ 48,497	\$ 746	\$ 1,672	\$ 86,123	\$ 2,220
677	SHANNON PL	AC	Gravity	T040	200	63.4	1979	65	36	29	\$ 31,508	\$ 7,105	\$ 9,679	\$ 48,291	\$ 743	\$ 1,665	\$ 85,758	\$ 2,211
678	SHANNON PL	AC	Gravity	T040	250	48.4	1979	65	36	29	\$ 24,506	\$ 7,105	\$ 14,518	\$ 46,129	\$ 710	\$ 1,591	\$ 81,918	\$ 2,112
679	SHANNON PL	AC	Gravity	T039	250	27.0	1979	65	36	29	\$ 13,695	\$ 7,105	\$ 4,839	\$ 25,639	\$ 394	\$ 884	\$ 45,530	\$ 1,174

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
680	SHANNON PL	AC	Gravity	T039	250	36.3	1979	65	36	29	\$ 19,975	\$ 9,679	\$ 10,194	\$ 39,848	\$ 613	\$ 1,374	\$ 70,764	\$ 1,824
681	WEDGEWOOD LANE	AC	Gravity	T042	300	111.7	1979	65	36	29	\$ 63,942	\$ 9,679	\$ 76,298	\$ 149,919	\$ 2,306	\$ 5,170	\$ 266,233	\$ 6,863
682	WEDGEWOOD LANE	AC	Gravity	T042	300	78.7	1979	65	36	29	\$ 45,099	\$ 9,679	\$ 40,775	\$ 95,553	\$ 1,470	\$ 3,295	\$ 169,687	\$ 4,374
683	LITTLE RIVER BLVD	PVC	Gravity	T050	250	90.0	1987	65	28	37	\$ 55,087	\$ 16,166	\$ -	\$ 71,253	\$ 1,096	\$ 1,926	\$ 148,255	\$ 2,744
684	SOMERVILLE ST	PVC	Gravity	T051	250	119.0	1987	65	28	37	\$ 72,900	\$ 16,166	\$ 58,382	\$ 147,448	\$ 2,268	\$ 3,985	\$ 306,793	\$ 5,678
685	LITTLE RIVER BLVD	CONC	Gravity	T100	675	75.3	1974	65	41	24	\$ 66,722	\$ 18,740	\$ 20,902	\$ 106,364	\$ 1,636	\$ 4,432	\$ 171,080	\$ 5,624
686	LITTLE RIVER BLVD	CONC	Gravity	T098	675	16.7	1974	65	41	24	\$ 14,930	\$ 18,740	\$ 10,503	\$ 44,173	\$ 680	\$ 1,841	\$ 71,049	\$ 2,335
687	DONALDA CRT	AC	Gravity	T099	200	95.5	1979	65	36	29	\$ 47,365	\$ 7,105	\$ 67,443	\$ 121,912	\$ 1,876	\$ 4,204	\$ 216,497	\$ 5,581
688	DONALDA CRT	AC	Gravity	T099	200	55.9	1979	65	36	29	\$ 30,066	\$ 18,740	\$ 15,239	\$ 64,045	\$ 985	\$ 2,208	\$ 113,734	\$ 2,932
689	ROXBURY CRES	PVC	Gravity	T111	200	88.7	1987	65	28	37	\$ 47,776	\$ 9,679	\$ 60,750	\$ 118,205	\$ 1,819	\$ 3,195	\$ 245,948	\$ 4,552
690	ROXBURY CRES	PVC	Gravity	T111	200	36.7	1987	65	28	37	\$ 19,770	\$ 9,679	\$ 35,420	\$ 64,869	\$ 998	\$ 1,753	\$ 134,972	\$ 2,498
691	ROXBURY CRES	PVC	Gravity	T111	200	100.0	1987	65	28	37	\$ 53,748	\$ 9,679	\$ 20,284	\$ 83,712	\$ 1,288	\$ 2,262	\$ 174,178	\$ 3,223
692	ST THOMAS ST	AC	Gravity	T169	200	13.7	1979	65	36	29	\$ 7,414	\$ 9,679	\$ -	\$ 17,092	\$ 263	\$ 589	\$ 30,353	\$ 782
693	ST THOMAS ST	AC	Gravity	T171	200	26.9	1979	65	36	29	\$ 14,518	\$ 9,679	\$ 5,148	\$ 29,345	\$ 451	\$ 1,012	\$ 52,513	\$ 1,343
694	GREEN VALLEY DR	RCONC	Gravity	T254	450	96.6	1989	65	26	39	\$ 59,618	\$ 9,679	\$ 51,998	\$ 121,294	\$ 1,866	\$ 3,110	\$ 262,571	\$ 4,509
695	GREEN VALLEY DR	RCONC	Gravity	T254	450	40.4	1989	65	26	39	\$ 25,021	\$ 9,679	\$ 15,651	\$ 50,351	\$ 775	\$ 1,291	\$ 108,996	\$ 1,872
696	GREEN VALLEY DR	RCONC	Gravity	T256	450	75.9	1989	65	26	39	\$ 46,850	\$ 9,679	\$ 41,598	\$ 98,127	\$ 1,510	\$ 2,516	\$ 212,420	\$ 3,647
697	GREEN VALLEY DR	RCONC	Gravity	T256	450	40.3	1988	65	27	38	\$ 24,918	\$ 9,679	\$ 26,050	\$ 60,647	\$ 933	\$ 1,596	\$ 128,711	\$ 2,294
698	GREEN VALLEY DR	RCONC	Gravity	T256	450	43.3	1988	65	27	38	\$ 26,771	\$ 9,679	\$ 26,050	\$ 62,501	\$ 962	\$ 1,645	\$ 132,645	\$ 2,364
699	HARVEST LANE	PVC	Gravity	T255	250	115.9	1989	65	26	39	\$ 58,485	\$ 7,105	\$ 72,282	\$ 137,872	\$ 2,121	\$ 3,535	\$ 298,458	\$ 5,125
700	HARVEST LANE	PVC	Gravity	T255	250	80.9	1989	65	26	39	\$ 44,379	\$ 9,679	\$ 60,750	\$ 114,808	\$ 1,766	\$ 2,944	\$ 248,529	\$ 4,268
701	HARVEST LANE	PVC	Gravity	T255	250	26.5	1989	65	26	39	\$ 14,621	\$ 9,679	\$ -	\$ 24,300	\$ 374	\$ 623	\$ 52,603	\$ 903
702	MICKAILA CRES	PVC	Gravity	T274	200	74.4	1996	65	19	46	\$ 36,862	\$ 7,105	\$ 101,216	\$ 145,183	\$ 2,234	\$ 3,156	\$ 361,013	\$ 4,857
703	MEADOWLAND CRES	PVC	Gravity	T257	250	29.9	1988	65	27	38	\$ 16,372	\$ 9,679	\$ 10,194	\$ 36,244	\$ 558	\$ 1,954	\$ 76,921	\$ 1,371
704	MEADOWLAND CRES	PVC	Gravity	T257	250	67.7	1988	65	27	38	\$ 37,171	\$ 9,679	\$ 35,420	\$ 82,270	\$ 1,266	\$ 2,165	\$ 174,602	\$ 3,112
705	MEADOWLAND CRES	PVC	Gravity	T257	250	102.1	1988	65	27	38	\$ 51,586	\$ 7,105	\$ 67,443	\$ 126,134	\$ 1,941	\$ 3,319	\$ 267,694	\$ 4,770
706	MEADOWLAND CRES	PVC	Gravity	T257	250	87.0	1988	65	27	38	\$ 43,967	\$ 7,105	\$ 77,122	\$ 128,193	\$ 1,972	\$ 3,374	\$ 272,064	\$ 4,848
707	LANOUE ST	PVC	Gravity	T328	300	28.2	1996	65	19	46	\$ 14,930	\$ 7,105	\$ -	\$ 22,035	\$ 339	\$ 479	\$ 54,792	\$ 737
708	LANOUE ST	PVC	Gravity	T328	300	80.8	1995	65	20	45	\$ 46,335	\$ 9,679	\$ 35,626	\$ 91,640	\$ 1,410	\$ 2,036	\$ 223,405	\$ 3,107
709	LANOUE ST	PVC	Gravity	T326	300	36.6	1995	65	20	45	\$ 21,005	\$ 9,679	\$ 25,433	\$ 56,117	\$ 863	\$ 1,247	\$ 136,804	\$ 1,903
710	HEATHERGLEN CRES	PVC	Gravity	T327	300	120.7	1996	65	19	46	\$ 63,633	\$ 7,105	\$ 43,658	\$ 114,396	\$ 1,760	\$ 2,487	\$ 284,458	\$ 3,827
711	HEATHERGLEN CRES	PVC	Gravity	T327	300	112.9	1998	65	17	48	\$ 59,618	\$ 7,105	\$ 77,534	\$ 144,256	\$ 2,219	\$ 3,005	\$ 373,200	\$ 4,703
712	ST THOMAS ST	AC	Gravity	T177	450	90.0	1979	65	36	29	\$ 55,602	\$ 9,679	\$ 5,251	\$ 70,532	\$ 1,085	\$ 2,432	\$ 125,254	\$ 3,229
713	ST THOMAS ST	AC	Gravity	T179	450	37.5	1979	65	36	29	\$ 23,167	\$ 9,679	\$ 5,251	\$ 38,098	\$ 586	\$ 1,314	\$ 67,655	\$ 1,744
714	ST THOMAS ST	AC	Gravity	T179	450	56.9	1979	65	36	29	\$ 35,112	\$ 9,679	\$ 10,400	\$ 55,190	\$ 849	\$ 1,903	\$ 98,009	\$ 2,527
715	ST THOMAS ST	AC	Gravity	T175	450	60.7	1979	65	36	29	\$ 37,480	\$ 9,679	\$ 36,450	\$ 83,609	\$ 1,286	\$ 2,883	\$ 148,476	\$ 3,827
716	ST THOMAS ST	AC	Gravity	T175	450	32.7	1979	65	36	29	\$ 20,181	\$ 9,679	\$ 15,651	\$ 45,511	\$ 700	\$ 1,569	\$ 80,821	\$ 2,083
717	ST THOMAS ST	AC	Gravity	T182	200	92.5	1979	65	36	29	\$ 49,733	\$ 9,679	\$ 30,375	\$ 89,787	\$ 1,381	\$ 3,096	\$ 159,447	\$ 4,110
718	ST THOMAS ST	AC	Gravity	T180	200	67.8	1979	65	36	29	\$ 36,450	\$ 9,679	\$ 15,239	\$ 61,368	\$ 944	\$ 2,116	\$ 108,980	\$ 2,809
719	GREEN VALLEY DR	AC	Gravity	T236	450	60.3	1980	65	35	30	\$ 37,171	\$ 9,679	\$ 10,400	\$ 57,249	\$ 881	\$ 1,908	\$ 103,699	\$ 2,556
720	GREEN VALLEY DR	AC	Gravity	T238	450	45.9	1980	65	35	30	\$ 28,316	\$ 9,679	\$ 20,799	\$ 58,794	\$ 905	\$ 1,960	\$ 106,497	\$ 2,625
721	AMBERLY CRES	AC	Gravity	T237	200	57.5	1980	65	35	30	\$ 30,993	\$ 9,679	\$ 35,420	\$ 76,092	\$ 1,171	\$ 2,536	\$ 137,830	\$ 3,398
722	AMBERLY CRES	AC	Gravity	T237	200	74.0	1980	65	35	30	\$ 39,848	\$ 9,679	\$ 40,466	\$ 89,993	\$ 1,385	\$ 3,000	\$ 163,009	\$ 4,018
723	AMBERLY CRES	AC	Gravity	T237	200	70.9	1980	65	35	30	\$ 38,098	\$ 9,679	\$ 15,239	\$ 63,015	\$ 969	\$ 2,101	\$ 114,144	\$ 2,814
724	AMBERLY CRES	AC	Gravity	T237	200	74.3	1980	65	35	30	\$ 39,951	\$ 9,679	\$ 45,614	\$ 95,244	\$ 1,465	\$ 3,175	\$ 172,521	\$ 4,253
725	AMBERLY CRES	AC	Gravity	T237	250	91.2	1980	65	35	30	\$ 46,129	\$ 7,105	\$ 57,867	\$ 111,101	\$ 1,709	\$ 3,703	\$ 201,244	\$ 4,961
726	AMBERLY CRES	AC	Gravity	T237	250	106.7	1980	65	35	30	\$ 58,485	\$ 9,679	\$ 70,841	\$ 139,005	\$ 2,139	\$ 4,633	\$ 251,788	\$ 6,207
727	AMBERLY CRES	AC	Gravity	T237	250	48.4	1980	65	35	30	\$ 26,565	\$ 9,679	\$ 25,330	\$ 61,574	\$ 947	\$ 2,052	\$ 111,533	\$ 2,749
728	AMBERLY CRES	AC	Gravity	T237	250	68.5	1980	65	35	30	\$ 37,583	\$ 9,679	\$ 45,614	\$ 92,876	\$ 1,429	\$ 3,096	\$ 168,231	\$ 4,147
729	DILLON DR	AC	Gravity	T172	450	28.0	1979	65	36	29	\$ 17,298	\$ 9,679	\$ -	\$ 26,977	\$ 415	\$ 930	\$ 47,907	\$ 1,235
730	DILLON DR	AC	Gravity	T172	450	33.3	1979	65	36	29	\$ 20,593	\$ 9,679	\$ 10,400	\$ 40,672	\$ 626	\$ 1,402	\$ 72,227	\$ 1,862
731	MCNORTON ST	PVC	Gravity	T194	200	31.1	1994	65	21	44	\$ 22,035	\$ 19,358	\$ -	\$ 41,392	\$ 637	\$ 941	\$ 98,930	\$ 1,423
732	MCNORTON ST	PVC	Gravity	T194	200	57.0	1994	65	21	44	\$ 40,260	\$ 19,358	\$ -	\$ 59,618	\$ 917	\$ 1,355	\$ 142,489	\$ 2,050
733	MCNORTON ST	PVC	Gravity	T194	200	51.5	1994	65	21	44	\$ 36,450	\$ 19,358	\$ 5,560	\$ 61,368	\$ 944	\$ 1,395	\$ 146,673	\$ 2,110
734	ALOHA DR	AC	Gravity	SC123	200	108.3	1974	65	41	24	\$ 58,279	\$ 9,679	\$ 25,330	\$ 93,288	\$ 1,435	\$ 3,887	\$ 150,047	\$ 4,932

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
735	ALOHA DR	AC	Gravity	SC123	200	113.7	1974	65	41	24	\$ 61,162	\$ 9,679	\$ 60,750	\$ 131,591	\$ 2,024	\$ 5,483	\$ 211,656	\$ 6,957
736	ALOHA DR	AC	Gravity	SC123	200	18.1	1974	65	41	24	\$ 9,061	\$ 7,105	\$ 14,518	\$ 30,684	\$ 472	\$ 1,278	\$ 49,353	\$ 1,622
737	ARLINGTON BLVD	AC	Gravity	SC066	400	15.8	1974	65	41	24	\$ 10,914	\$ 16,166	\$ 5,457	\$ 32,537	\$ 501	\$ 1,356	\$ 52,334	\$ 1,720
738	ARLINGTON BLVD	AC	Gravity	SC066	400	76.4	1974	65	41	24	\$ 52,616	\$ 16,166	\$ 16,372	\$ 85,153	\$ 1,310	\$ 3,548	\$ 136,964	\$ 4,502
739	ARLINGTON BLVD	AC	Gravity	SC066	400	90.0	1974	65	41	24	\$ 61,986	\$ 16,166	\$ 32,743	\$ 110,895	\$ 1,706	\$ 4,621	\$ 178,367	\$ 5,863
740	ARLINGTON BLVD	AC	Gravity	SC066	400	89.0	1974	65	41	24	\$ 71,871	\$ 19,358	\$ 39,848	\$ 131,076	\$ 2,017	\$ 5,462	\$ 210,828	\$ 6,930
741	ARLINGTON BLVD	AC	Gravity	SC066	400	79.8	1974	65	41	24	\$ 64,457	\$ 19,358	\$ 51,277	\$ 135,092	\$ 2,078	\$ 5,629	\$ 217,287	\$ 7,142
742	ARLINGTON BLVD	AC	Gravity	SC065	350	114.7	1974	65	41	24	\$ 89,890	\$ 19,358	\$ 67,237	\$ 176,484	\$ 2,715	\$ 7,354	\$ 283,864	\$ 9,331
743	ARLINGTON BLVD	AC	Gravity	SC085	350	120.8	1974	65	41	24	\$ 80,726	\$ 16,166	\$ 75,062	\$ 171,954	\$ 2,645	\$ 7,165	\$ 276,577	\$ 9,091
744	ARLINGTON BLVD	AC	Gravity	SC065	350	107.9	1974	65	41	24	\$ 72,076	\$ 16,166	\$ 42,937	\$ 131,179	\$ 2,018	\$ 5,466	\$ 210,993	\$ 6,936
745	ARLINGTON BLVD	AC	Gravity	SC056	350	115.8	1974	65	41	24	\$ 77,328	\$ 16,166	\$ 37,583	\$ 131,076	\$ 2,017	\$ 5,462	\$ 210,828	\$ 6,930
746	ARLINGTON BLVD	AC	Gravity	SC085	300	95.9	1974	65	41	24	\$ 61,265	\$ 16,166	\$ 16,063	\$ 93,493	\$ 1,438	\$ 3,896	\$ 150,378	\$ 4,943
747	ARLINGTON BLVD	AC	Gravity	SC085	300	88.5	1974	65	41	24	\$ 56,529	\$ 16,166	\$ 10,709	\$ 83,403	\$ 1,283	\$ 3,473	\$ 134,148	\$ 4,410
748	ARLINGTON BLVD	AC	Gravity	SC085	300	95.2	1974	65	41	24	\$ 60,750	\$ 16,166	\$ 21,314	\$ 98,230	\$ 1,511	\$ 4,093	\$ 157,997	\$ 5,194
749	ARLINGTON BLVD	AC	Gravity	SC085	300	94.1	1974	65	41	24	\$ 60,132	\$ 16,166	\$ 16,063	\$ 92,361	\$ 1,421	\$ 3,848	\$ 148,557	\$ 4,883
750	BRIGHTON RD	AC	Gravity	SC128	300	91.7	1974	65	41	24	\$ 52,616	\$ 9,679	\$ 25,433	\$ 87,727	\$ 1,350	\$ 3,655	\$ 141,104	\$ 4,638
751	BRIGHTON RD	AC	Gravity	SC124	300	74.1	1974	65	41	24	\$ 42,525	\$ 9,679	\$ 30,581	\$ 82,785	\$ 1,274	\$ 3,449	\$ 133,154	\$ 4,377
752	BRIGHTON RD	AC	Gravity	SC124	300	72.3	1974	65	41	24	\$ 41,495	\$ 9,679	\$ 20,387	\$ 71,562	\$ 1,101	\$ 2,982	\$ 115,102	\$ 3,784
753	BRIGHTON RD	AC	Gravity	SC122	300	85.5	1974	65	41	24	\$ 49,012	\$ 9,679	\$ 35,626	\$ 94,317	\$ 1,451	\$ 3,930	\$ 151,703	\$ 4,987
754	BRIGHTON RD	AC	Gravity	SC112	300	85.7	1974	65	41	24	\$ 49,115	\$ 9,679	\$ 10,194	\$ 68,987	\$ 1,061	\$ 2,874	\$ 110,962	\$ 3,647
755	BRIGHTON RD	AC	Gravity	SC113	300	78.7	1974	65	41	24	\$ 45,099	\$ 9,679	\$ -	\$ 54,778	\$ 843	\$ 2,282	\$ 88,107	\$ 2,896
756	BRIGHTON RD	AC	Gravity	SC109	300	90.7	1974	65	41	24	\$ 47,879	\$ 7,105	\$ 33,979	\$ 88,963	\$ 1,369	\$ 3,707	\$ 143,091	\$ 4,704
757	BRIGHTON RD	AC	Gravity	SC109	300	50.2	1974	65	41	24	\$ 26,565	\$ 7,105	\$ 9,782	\$ 43,452	\$ 668	\$ 1,810	\$ 69,890	\$ 2,297
758	BRIGHTON RD	AC	Gravity	SC109	300	109.7	1974	65	41	24	\$ 62,809	\$ 9,679	\$ 20,387	\$ 92,876	\$ 1,429	\$ 3,870	\$ 149,385	\$ 4,910
759	BRIGHTON RD	AC	Gravity	SC109	300	70.8	1974	65	41	24	\$ 40,569	\$ 9,679	\$ 15,342	\$ 65,590	\$ 1,009	\$ 2,733	\$ 105,497	\$ 3,468
760	BURLINGTON RD	AC	Gravity	SC057	250	84.4	1974	65	41	24	\$ 46,232	\$ 9,679	\$ 20,284	\$ 76,195	\$ 1,172	\$ 3,175	\$ 122,555	\$ 4,029
761	BURLINGTON RD	AC	Gravity	SC059	250	97.9	1974	65	41	24	\$ 49,424	\$ 7,105	\$ 38,612	\$ 95,141	\$ 1,464	\$ 3,964	\$ 153,028	\$ 5,030
762	BURLINGTON RD	AC	Gravity	SC059	250	25.2	1974	65	41	24	\$ 12,768	\$ 7,105	\$ 14,518	\$ 34,391	\$ 529	\$ 1,433	\$ 55,315	\$ 1,818
763	BURLINGTON RD	AC	Gravity	SC059	250	41.7	1974	65	41	24	\$ 21,108	\$ 7,105	\$ 19,358	\$ 47,570	\$ 732	\$ 1,982	\$ 76,514	\$ 2,515
764	CEDAR CRES	AC	Gravity	SC042	200	57.4	1974	65	41	24	\$ 28,522	\$ 7,105	\$ 4,839	\$ 40,466	\$ 623	\$ 1,686	\$ 65,087	\$ 2,139
765	CEDAR CRES	AC	Gravity	SC042	200	26.4	1974	65	41	24	\$ 13,180	\$ 7,105	\$ 19,358	\$ 39,642	\$ 610	\$ 1,652	\$ 63,762	\$ 2,096
766	CEDAR CRES	AC	Gravity	SC042	200	18.2	1974	65	41	24	\$ 9,061	\$ 7,105	\$ 14,518	\$ 30,684	\$ 472	\$ 1,278	\$ 49,353	\$ 1,622
767	WILLOW CRT	AC	Gravity	SC044	200	57.3	1974	65	41	24	\$ 30,890	\$ 9,679	\$ 10,194	\$ 50,762	\$ 781	\$ 2,115	\$ 81,648	\$ 2,684
768	WILLOW CRT	AC	Gravity	SC044	200	33.5	1974	65	41	24	\$ 16,681	\$ 7,105	\$ 19,358	\$ 43,143	\$ 664	\$ 1,798	\$ 69,393	\$ 2,281
769	WILLOW CRT	AC	Gravity	SC044	200	16.1	1974	65	41	24	\$ 8,031	\$ 7,105	\$ 14,518	\$ 29,654	\$ 456	\$ 1,236	\$ 47,697	\$ 1,568
770	CLOVELLY RD	AC	Gravity	SC064	250	14.5	1974	65	41	24	\$ 8,958	\$ 16,166	\$ 5,354	\$ 30,478	\$ 469	\$ 1,270	\$ 49,022	\$ 1,611
771	CLOVELLY RD	AC	Gravity	SC064	250	87.8	1974	65	41	24	\$ 48,188	\$ 9,679	\$ 25,330	\$ 83,197	\$ 1,280	\$ 3,467	\$ 133,817	\$ 4,399
772	CLOVELLY RD	AC	Gravity	SC064	250	70.5	1974	65	41	24	\$ 38,612	\$ 9,679	\$ 25,330	\$ 73,621	\$ 1,133	\$ 3,068	\$ 118,415	\$ 3,892
773	CLOVELLY RD	AC	Gravity	SC064	250	52.7	1974	65	41	24	\$ 28,934	\$ 9,679	\$ 5,148	\$ 43,761	\$ 673	\$ 1,823	\$ 70,386	\$ 2,314
774	CLOVELLY RD	AC	Gravity	SC062	250	71.5	1974	65	41	24	\$ 39,230	\$ 9,679	\$ 5,148	\$ 54,057	\$ 832	\$ 2,252	\$ 86,948	\$ 2,858
775	CLOVELLY RD	AC	Gravity	SC062	250	89.3	1974	65	41	24	\$ 48,909	\$ 9,679	\$ 30,375	\$ 88,963	\$ 1,369	\$ 3,707	\$ 143,091	\$ 4,704
776	RIVERSIDE DR E	AC	Gravity	SC008	400	107.9	1974	65	41	24	\$ 74,239	\$ 16,166	\$ 10,914	\$ 101,319	\$ 1,559	\$ 4,222	\$ 162,965	\$ 5,357
777	RIVERSIDE DR E	AC	Gravity	SC008	400	99.3	1974	65	41	24	\$ 68,370	\$ 16,166	\$ 16,372	\$ 100,907	\$ 1,552	\$ 4,204	\$ 162,303	\$ 5,335
778	RIVERSIDE DR E	AC	Gravity	SC008	400	92.7	1974	65	41	24	\$ 63,839	\$ 16,166	\$ 16,372	\$ 96,377	\$ 1,483	\$ 4,016	\$ 155,016	\$ 5,096
779	RIVERSIDE DR E	AC	Gravity	SC008	400	91.5	1974	65	41	24	\$ 63,015	\$ 16,166	\$ 21,829	\$ 101,010	\$ 1,554	\$ 4,209	\$ 162,468	\$ 5,341
780	RIVERSIDE DR E	AC	Gravity	SC009	300	56.6	1974	65	41	24	\$ 32,434	\$ 9,679	\$ 20,387	\$ 62,501	\$ 962	\$ 2,604	\$ 100,528	\$ 3,304
781	RIVERSIDE DR E	AC	Gravity	SC009	300	63.9	1974	65	41	24	\$ 36,656	\$ 9,679	\$ 25,433	\$ 71,768	\$ 1,104	\$ 2,990	\$ 115,434	\$ 3,794
782	RUTLAND RD	AC	Gravity	SC063	250	39.7	1974	65	41	24	\$ 21,829	\$ 9,679	\$ 15,239	\$ 46,747	\$ 719	\$ 1,948	\$ 75,189	\$ 2,472
783	RUTLAND RD	AC	Gravity	SC063	250	37.1	1974	65	41	24	\$ 20,387	\$ 9,679	\$ 25,330	\$ 55,396	\$ 852	\$ 2,308	\$ 89,101	\$ 2,929
784	RUTLAND RD	AC	Gravity	SC063	250	46.1	1974	65	41	24	\$ 25,330	\$ 9,679	\$ 15,239	\$ 50,248	\$ 773	\$ 2,094	\$ 80,820	\$ 2,657
785	RUTLAND RD	AC	Gravity	SC063	250	60.9	1974	65	41	24	\$ 33,464	\$ 9,679	\$ 5,148	\$ 48,291	\$ 743	\$ 2,012	\$ 77,673	\$ 2,553
786	ESSEX RD	AC	Gravity	SC061	250	31.1	1974	65	41	24	\$ 17,092	\$ 9,679	\$ 5,148	\$ 31,920	\$ 491	\$ 1,330	\$ 51,341	\$ 1,688
787	RUTLAND RD	AC	Gravity	SC061	250	60.7	1974	65	41	24	\$ 33,361	\$ 9,679	\$ 5,148	\$ 48,188	\$ 741	\$ 2,008	\$ 77,508	\$ 2,548
788	ST GREGORYS RD	AC	Gravity	SC053	250	78.9	1974	65	41	24	\$ 39,848	\$ 7,105	\$ 28,934	\$ 75,886	\$ 1,167	\$ 3,162	\$ 122,058	\$ 4,012
789	ST MARKS RD	AC	Gravity	SC052	250	96.6	1974	65	41	24	\$ 48,806	\$ 7,105	\$ 24,094	\$ 80,005	\$ 1,231	\$ 3,334	\$ 128,683	\$ 4,230

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	EUL Lifecycle
790	ST MARKS RD	AC	Gravity	SC052	250	76.5	1974	65	41	24	\$ 42,010	\$ 9,679	\$ 20,284	\$ 71,973	\$ 1,107	\$ 2,999	\$ 115,765	\$ 3,805
791	ST MARKS RD	AC	Gravity	SC052	250	79.3	1974	65	41	24	\$ 43,452	\$ 9,679	\$ 30,375	\$ 83,506	\$ 1,285	\$ 3,479	\$ 134,314	\$ 4,415
792	ST MARKS RD	AC	Gravity	SC050	250	61.3	1974	65	41	24	\$ 33,670	\$ 9,679	\$ 10,194	\$ 53,543	\$ 824	\$ 2,231	\$ 86,120	\$ 2,831
793	ST MARKS RD	CONC	Gravity	SC049	525	89.9	1974	65	41	24	\$ 82,579	\$ 19,358	\$ 28,522	\$ 130,458	\$ 2,007	\$ 5,436	\$ 209,834	\$ 6,897
794	ST MARKS RD	AC	Gravity	SC045	250	72.9	1974	65	41	24	\$ 52,410	\$ 19,358	\$ 33,258	\$ 105,026	\$ 1,616	\$ 4,376	\$ 168,927	\$ 5,553
795	ST MARKS RD	AC	Gravity	SC045	250	81.9	1974	65	41	24	\$ 44,893	\$ 9,679	\$ 45,614	\$ 100,186	\$ 1,541	\$ 4,174	\$ 161,143	\$ 5,297
796	ST MARKS RD	AC	Gravity	SC043	250	81.6	1974	65	41	24	\$ 44,687	\$ 9,679	\$ 30,375	\$ 84,741	\$ 1,304	\$ 3,531	\$ 136,301	\$ 4,480
797	ST MARKS RD	AC	Gravity	SC043	250	97.4	1974	65	41	24	\$ 49,218	\$ 7,105	\$ 43,452	\$ 99,774	\$ 1,535	\$ 4,157	\$ 160,481	\$ 5,275
798	ST MARKS RD	AC	Gravity	SC041	250	68.4	1974	65	41	24	\$ 34,597	\$ 7,105	\$ 24,094	\$ 65,796	\$ 1,012	\$ 2,741	\$ 105,828	\$ 3,479
799	ST MARKS RD	AC	Gravity	SC041	250	58.8	1974	65	41	24	\$ 29,757	\$ 7,105	\$ 19,358	\$ 56,220	\$ 865	\$ 2,342	\$ 90,426	\$ 2,972
800	TECUMSEH RD	AC	Gravity	SC095	300	66.7	1974	65	41	24	\$ 38,201	\$ 9,679	\$ 25,433	\$ 73,312	\$ 1,128	\$ 3,055	\$ 117,918	\$ 3,876
801	TECUMSEH RD	AC	Gravity	SC095	300	57.3	1974	65	41	24	\$ 32,846	\$ 9,679	\$ 15,342	\$ 57,867	\$ 890	\$ 2,411	\$ 93,076	\$ 3,059
802	TECUMSEH RD	AC	Gravity	SC108	250	68.0	1974	65	41	24	\$ 34,391	\$ 7,105	\$ 14,518	\$ 56,014	\$ 862	\$ 2,334	\$ 90,095	\$ 2,962
803	TECUMSEH RD	AC	Gravity	SC114	250	86.1	1974	65	41	24	\$ 43,555	\$ 7,105	\$ 9,679	\$ 60,338	\$ 928	\$ 2,514	\$ 97,050	\$ 3,190
804	TECUMSEH RD	AC	Gravity	SC114	250	69.0	1974	65	41	24	\$ 34,803	\$ 7,105	\$ -	\$ 41,907	\$ 645	\$ 1,746	\$ 67,405	\$ 2,216
805	WARWICK RD	AC	Gravity	SC058	250	107.8	1974	65	41	24	\$ 59,103	\$ 9,679	\$ 35,420	\$ 104,202	\$ 1,603	\$ 4,342	\$ 167,602	\$ 5,509
806	WARWICK RD	AC	Gravity	SC058	250	103.8	1974	65	41	24	\$ 56,940	\$ 9,679	\$ 40,466	\$ 107,085	\$ 1,647	\$ 4,462	\$ 172,240	\$ 5,662
807	WARWICK RD	AC	Gravity	SC058	250	85.0	1974	65	41	24	\$ 46,644	\$ 9,679	\$ 25,330	\$ 81,652	\$ 1,256	\$ 3,402	\$ 131,333	\$ 4,317
808	HAYES AVE	CONC	Gravity	SC026	600	36.2	1974	65	41	24	\$ 37,171	\$ 19,358	\$ 17,195	\$ 73,724	\$ 1,134	\$ 3,072	\$ 118,580	\$ 3,898
809	HAYES AVE	CONC	Gravity	SC026	600	101.1	1974	65	41	24	\$ 103,893	\$ 19,358	\$ 45,820	\$ 169,071	\$ 2,601	\$ 7,045	\$ 271,940	\$ 8,939
810	HAYES AVE	CONC	Gravity	SC026	600	97.2	1974	65	41	24	\$ 99,980	\$ 19,358	\$ 40,054	\$ 159,392	\$ 2,452	\$ 6,641	\$ 256,372	\$ 8,427
811	HAYES AVE	CONC	Gravity	SC037	600	114.4	1974	65	41	24	\$ 117,588	\$ 19,358	\$ 22,962	\$ 159,907	\$ 2,460	\$ 6,663	\$ 257,200	\$ 8,454
812	HAYES AVE	CONC	Gravity	SC026	600	11.3	1974	65	41	24	\$ 8,855	\$ 16,166	\$ -	\$ 25,021	\$ 385	\$ 1,043	\$ 40,244	\$ 1,323
813	HAYES AVE	CONC	Gravity	SC026	600	128.7	1974	65	41	24	\$ 100,495	\$ 9,679	\$ -	\$ 110,174	\$ 1,695	\$ 4,591	\$ 177,208	\$ 5,825
814	EDGEWATER BLVD	AC	Gravity	SC039	300	123.3	1974	65	41	24	\$ 70,635	\$ 9,679	\$ 40,775	\$ 121,088	\$ 1,863	\$ 5,045	\$ 194,763	\$ 6,402
815	EDGEWATER BLVD	AC	Gravity	SC039	300	117.5	1974	65	41	24	\$ 75,062	\$ 16,166	\$ 63,942	\$ 155,170	\$ 2,387	\$ 6,465	\$ 249,582	\$ 8,204
816	EDGEWATER BLVD	AC	Gravity	SC039	300	118.4	1974	65	41	24	\$ 88,757	\$ 19,358	\$ 55,705	\$ 163,820	\$ 2,520	\$ 6,826	\$ 263,493	\$ 8,661
817	EDGEWATER BLVD	AC	Gravity	SC036	250	110.9	1974	65	41	24	\$ 60,750	\$ 9,679	\$ 55,705	\$ 126,134	\$ 1,941	\$ 5,256	\$ 202,878	\$ 6,669
818	EDGEWATER BLVD	AC	Gravity	SC036	250	109.8	1974	65	41	24	\$ 60,235	\$ 9,679	\$ 45,614	\$ 115,528	\$ 1,777	\$ 4,814	\$ 185,820	\$ 6,108
819	EDGEWATER BLVD	AC	Gravity	SC036	250	110.0	1974	65	41	24	\$ 60,338	\$ 9,679	\$ 45,614	\$ 115,631	\$ 1,779	\$ 4,818	\$ 185,986	\$ 6,114
820	EDGEWATER BLVD	AC	Gravity	SC035	250	111.0	1974	65	41	24	\$ 60,853	\$ 9,679	\$ 50,659	\$ 121,191	\$ 1,864	\$ 5,050	\$ 194,929	\$ 6,408
821	EDGEWATER BLVD	AC	Gravity	SC035	250	111.8	1974	65	41	24	\$ 61,265	\$ 9,679	\$ 45,614	\$ 116,558	\$ 1,793	\$ 4,857	\$ 187,476	\$ 6,163
822	ESSEX RD	AC	Gravity	SC061	250	54.0	1974	65	41	24	\$ 27,286	\$ 7,105	\$ 4,839	\$ 39,230	\$ 604	\$ 1,635	\$ 63,099	\$ 2,074
823	ESSEX RD	AC	Gravity	SC061	250	48.1	1974	65	41	24	\$ 26,462	\$ 9,679	\$ 20,284	\$ 56,426	\$ 868	\$ 2,351	\$ 90,757	\$ 2,983
824	ESSEX RD	AC	Gravity	SC061	250	49.0	1974	65	41	24	\$ 24,815	\$ 7,105	\$ 19,358	\$ 51,277	\$ 789	\$ 2,137	\$ 82,476	\$ 2,711
825	ESSEX RD	AC	Gravity	SC061	250	53.3	1974	65	41	24	\$ 26,977	\$ 7,105	\$ 14,518	\$ 48,600	\$ 748	\$ 2,025	\$ 78,170	\$ 2,570
826	ESSEX RD	AC	Gravity	SC061	250	16.7	1974	65	41	24	\$ 9,164	\$ 9,679	\$ -	\$ 18,843	\$ 290	\$ 785	\$ 30,308	\$ 996
827	KENSINGTON BLVD	AC	Gravity	SC055	250	68.7	1974	65	41	24	\$ 42,113	\$ 16,166	\$ 5,354	\$ 63,633	\$ 979	\$ 2,651	\$ 102,350	\$ 3,364
828	KENSINGTON BLVD	AC	Gravity	SC055	250	95.4	1974	65	41	24	\$ 52,307	\$ 9,679	\$ 15,239	\$ 77,225	\$ 1,188	\$ 3,218	\$ 124,211	\$ 4,083
829	KENSINGTON BLVD	AC	Gravity	SC055	250	86.3	1974	65	41	24	\$ 47,262	\$ 9,679	\$ 20,284	\$ 77,225	\$ 1,188	\$ 3,218	\$ 124,211	\$ 4,083
830	KENSINGTON BLVD	AC	Gravity	SC055	250	89.2	1974	65	41	24	\$ 48,909	\$ 9,679	\$ 25,330	\$ 83,918	\$ 1,291	\$ 3,497	\$ 134,976	\$ 4,437
831	KENSINGTON BLVD	AC	Gravity	SC054	250	60.1	1974	65	41	24	\$ 32,949	\$ 9,679	\$ 15,239	\$ 57,867	\$ 890	\$ 2,411	\$ 93,076	\$ 3,059
832	HAYES AVE	CONC	Gravity	SC026	600	111.6	1974	65	41	24	\$ 87,110	\$ 9,679	\$ -	\$ 96,788	\$ 1,489	\$ 4,033	\$ 155,678	\$ 5,117
833	HAYES AVE	CONC	Gravity	SC026	600	112.0	1974	65	41	24	\$ 87,521	\$ 9,679	\$ -	\$ 97,200	\$ 1,495	\$ 4,050	\$ 156,341	\$ 5,139
834	MANNING RD	CONC	Gravity	T_SC1	600	113.0	1974	65	41	24	\$ 88,242	\$ 9,679	\$ -	\$ 97,921	\$ 1,506	\$ 4,080	\$ 157,500	\$ 5,177
835	MANNING RD	CONC	Gravity	T_SC1	600	33.9	1974	65	41	24	\$ 26,565	\$ 9,679	\$ -	\$ 36,244	\$ 558	\$ 1,510	\$ 58,296	\$ 1,916
836	TECUMSEH RD	AC	Gravity	SC068	250	116.6	1974	65	41	24	\$ 63,942	\$ 9,679	\$ 20,284	\$ 93,905	\$ 1,445	\$ 3,913	\$ 151,041	\$ 4,965
837	TECUMSEH RD	AC	Gravity	SC083	250	117.0	1974	65	41	24	\$ 64,148	\$ 9,679	\$ 10,194	\$ 84,021	\$ 1,293	\$ 3,501	\$ 135,142	\$ 4,442
838	TECUMSEH RD	AC	Gravity	SC083	250	93.5	1974	65	41	24	\$ 51,277	\$ 9,679	\$ 5,148	\$ 66,104	\$ 1,017	\$ 2,754	\$ 106,325	\$ 3,495
839	TECUMSEH RD	AC	Gravity	SC084	250	69.1	1974	65	41	24	\$ 37,892	\$ 9,679	\$ 5,148	\$ 52,719	\$ 811	\$ 2,197	\$ 84,795	\$ 2,787
840	TECUMSEH RD	AC	Gravity	SC084	250	102.4	1974	65	41	24	\$ 56,117	\$ 9,679	\$ 10,194	\$ 75,989	\$ 1,169	\$ 3,166	\$ 122,224	\$ 4,018
841	CHRISTY LANE	PVC	Gravity	SC002	200	81.4	1993	65	22	43	\$ 40,363	\$ 7,105	\$ 19,358	\$ 66,825	\$ 1,028	\$ 1,554	\$ 156,584	\$ 2,332
842	CHRISTY LANE	PVC	Gravity	SC002	200	75.6	1993	65	22	43	\$ 37,480	\$ 7,105	\$ 9,679	\$ 54,263	\$ 835	\$ 1,262	\$ 127,149	\$ 1,893
843	CHRISTY LANE	PVC	Gravity	SC002	200	91.3	1993	65	22	43	\$ 49,115	\$ 9,679	\$ 15,239	\$ 74,033	\$ 1,139	\$ 1,722	\$ 173,473	\$ 2,583
844	CHRISTY LANE	PVC	Gravity	SC002	200	15.7	1993	65	22	43	\$ 8,443	\$ 9,679	\$ -	\$ 18,122	\$ 279	\$ 421	\$ 42,463	\$ 632

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost	Inflated EUL Lifecycle
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs				
845	BRIGHTON RD	PVC	Gravity	SC010	250	3.5	1985	65	30	35	\$ 1,956	\$ 9,679	\$ -	\$ 11,635	\$ 179	\$ 332	\$ 23,269	\$ 465
853	KENSINGTON BLVD	AC	Gravity	SC054	250	90.3	1974	65	41	24	\$ 49,527	\$ 9,679	\$ 15,239	\$ 74,445	\$ 1,145	\$ 3,102	\$ 119,740	\$ 3,936
854	KENSINGTON BLVD	AC	Gravity	SC054	250	92.3	1974	65	41	24	\$ 50,659	\$ 9,679	\$ 20,284	\$ 80,623	\$ 1,240	\$ 3,359	\$ 129,677	\$ 4,263
855	KENSINGTON BLVD	AC	Gravity	SC054	250	92.1	1974	65	41	24	\$ 50,556	\$ 9,679	\$ 15,239	\$ 75,474	\$ 1,161	\$ 3,145	\$ 121,396	\$ 3,990
856	KENSINGTON BLVD	AC	Gravity	SC054	250	93.1	1974	65	41	24	\$ 51,071	\$ 9,679	\$ 5,148	\$ 65,898	\$ 1,014	\$ 2,746	\$ 105,994	\$ 3,484
857	KENSINGTON BLVD	AC	Gravity	SC054	250	12.5	1974	65	41	24	\$ 7,722	\$ 16,166	\$ -	\$ 23,888	\$ 368	\$ 995	\$ 38,423	\$ 1,263
858	ALDEN CRES	AC	Gravity	SC051	200	56.9	1974	65	41	24	\$ 28,213	\$ 7,105	\$ -	\$ 35,317	\$ 543	\$ 1,472	\$ 56,806	\$ 1,867
859	ALDEN CRES	AC	Gravity	SC051	200	28.2	1974	65	41	24	\$ 14,003	\$ 7,105	\$ 19,358	\$ 40,466	\$ 623	\$ 1,686	\$ 65,087	\$ 2,139
860	ALDEN CRES	AC	Gravity	SC051	200	32.2	1974	65	41	24	\$ 15,960	\$ 7,105	\$ 19,358	\$ 42,422	\$ 653	\$ 1,768	\$ 68,233	\$ 2,243
861	MACK CRT	CONC	Gravity	SC046	525	61.7	1974	65	41	24	\$ 56,734	\$ 19,358	\$ 5,766	\$ 81,858	\$ 1,259	\$ 3,411	\$ 131,664	\$ 4,328
862	MACK CRT	AC	Gravity	SC047	200	34.4	1974	65	41	24	\$ 24,300	\$ 19,358	\$ 16,681	\$ 60,338	\$ 928	\$ 2,514	\$ 97,050	\$ 3,190
863	MACK CRT	AC	Gravity	SC047	200	21.6	1974	65	41	24	\$ 10,709	\$ 7,105	\$ 4,839	\$ 22,653	\$ 349	\$ 944	\$ 36,435	\$ 1,198
864	MACK CRT	CONC	Gravity	SC048	525	94.9	1974	65	41	24	\$ 87,213	\$ 19,358	\$ 22,756	\$ 129,326	\$ 1,990	\$ 5,389	\$ 208,012	\$ 6,838
865	HAYES AVE	CONC	Gravity	SC038	525	110.3	1974	65	41	24	\$ 101,422	\$ 19,358	\$ 11,429	\$ 132,209	\$ 2,034	\$ 5,509	\$ 212,650	\$ 6,990
866	PENTILLY RD	AC	Gravity	SC121	300	62.2	1974	65	41	24	\$ 35,626	\$ 9,679	\$ -	\$ 45,305	\$ 697	\$ 1,888	\$ 72,871	\$ 2,395
867	PENTILLY RD	AC	Gravity	SC121	300	78.7	1974	65	41	24	\$ 50,248	\$ 16,166	\$ 10,709	\$ 77,122	\$ 1,186	\$ 3,213	\$ 124,046	\$ 4,078
868	PENTILLY RD	AC	Gravity	SC121	300	99.2	1974	65	41	24	\$ 63,427	\$ 16,166	\$ 16,063	\$ 95,656	\$ 1,472	\$ 3,986	\$ 153,856	\$ 5,057
869	PENTILLY RD	AC	Gravity	SC121	300	88.3	1974	65	41	24	\$ 56,426	\$ 16,166	\$ 16,063	\$ 88,654	\$ 1,364	\$ 3,694	\$ 142,594	\$ 4,687
870	PENTILLY RD	AC	Gravity	SC121	300	115.5	1974	65	41	24	\$ 66,207	\$ 9,679	\$ 15,342	\$ 91,228	\$ 1,404	\$ 3,801	\$ 146,735	\$ 4,823
871	PENTILLY RD	AC	Gravity	SC121	300	108.9	1974	65	41	24	\$ 62,398	\$ 9,679	\$ 25,433	\$ 97,509	\$ 1,500	\$ 4,063	\$ 156,837	\$ 5,155
872	DERBY RD	AC	Gravity	SC107	300	100.9	1974	65	41	24	\$ 57,764	\$ 9,679	\$ 10,194	\$ 77,637	\$ 1,194	\$ 3,235	\$ 124,874	\$ 4,105
873	DERBY RD	AC	Gravity	SC107	300	82.1	1974	65	41	24	\$ 47,056	\$ 9,679	\$ 40,775	\$ 97,509	\$ 1,500	\$ 4,063	\$ 156,837	\$ 5,155
874	DERBY RD	AC	Gravity	SC107	300	94.2	1974	65	41	24	\$ 53,954	\$ 9,679	\$ 20,387	\$ 84,021	\$ 1,293	\$ 3,501	\$ 135,142	\$ 4,442
875	RIVERSIDE DR E	AC	Gravity	SC001	300	107.9	1974	65	41	24	\$ 61,780	\$ 9,679	\$ 10,194	\$ 81,652	\$ 1,256	\$ 3,402	\$ 131,333	\$ 4,317
876	RIVERSIDE DR E	AC	Gravity	SC001	300	91.8	1974	65	41	24	\$ 52,616	\$ 9,679	\$ 20,387	\$ 82,682	\$ 1,272	\$ 3,445	\$ 132,989	\$ 4,371
877	RIVERSIDE DR E	AC	Gravity	SC003	300	98.3	1974	65	41	24	\$ 56,323	\$ 9,679	\$ 25,433	\$ 91,434	\$ 1,407	\$ 3,810	\$ 147,066	\$ 4,834
878	RIVERSIDE DR E	AC	Gravity	SC003	300	97.9	1974	65	41	24	\$ 56,117	\$ 9,679	\$ 61,059	\$ 126,855	\$ 1,952	\$ 5,286	\$ 204,038	\$ 6,707
879	RIVERSIDE DR E	AC	Gravity	SC003	300	103.9	1974	65	41	24	\$ 59,515	\$ 9,679	\$ 40,775	\$ 109,968	\$ 1,692	\$ 4,582	\$ 176,877	\$ 5,814
880	RIVERSIDE DR E	AC	Gravity	SC003	300	105.6	1974	65	41	24	\$ 60,544	\$ 9,679	\$ 56,014	\$ 126,237	\$ 1,942	\$ 5,260	\$ 203,044	\$ 6,674
881	RIVERSIDE DR E	AC	Gravity	SC004	300	74.3	1974	65	41	24	\$ 42,628	\$ 9,679	\$ 30,581	\$ 82,888	\$ 1,275	\$ 3,454	\$ 133,320	\$ 4,382
882	RIVERSIDE DR E	AC	Gravity	SC004	300	70.7	1974	65	41	24	\$ 40,569	\$ 9,679	\$ 25,433	\$ 75,680	\$ 1,164	\$ 3,153	\$ 121,727	\$ 4,001
883	RIVERSIDE DR E	AC	Gravity	SC005	250	84.9	1974	65	41	24	\$ 46,541	\$ 9,679	\$ 55,705	\$ 111,924	\$ 1,722	\$ 4,664	\$ 180,223	\$ 5,918
884	RIVERSIDE DR E	AC	Gravity	SC005	250	39.5	1974	65	41	24	\$ 19,975	\$ 7,105	\$ 24,094	\$ 51,174	\$ 787	\$ 2,132	\$ 82,311	\$ 2,706
885	RIVERSIDE DR E	AC	Gravity	SC006	250	97.5	1974	65	41	24	\$ 49,218	\$ 7,105	\$ 43,452	\$ 99,774	\$ 1,535	\$ 4,157	\$ 160,481	\$ 5,275
886	RIVERSIDE DR E	AC	Gravity	SC007	400	93.3	1974	65	41	24	\$ 64,251	\$ 16,166	\$ 43,555	\$ 123,972	\$ 1,907	\$ 5,165	\$ 199,400	\$ 6,555
887	RIVERSIDE DR E	AC	Gravity	SC007	400	106.1	1974	65	41	24	\$ 73,003	\$ 16,166	\$ 54,469	\$ 143,638	\$ 2,210	\$ 5,985	\$ 231,033	\$ 7,594
888	RIVERSIDE DR E	AC	Gravity	SC007	400	113.9	1974	65	41	24	\$ 78,357	\$ 16,166	\$ 54,469	\$ 148,992	\$ 2,292	\$ 6,208	\$ 239,645	\$ 7,877
889	RIVERSIDE DR E	AC	Gravity	SC007	400	96.7	1974	65	41	24	\$ 66,619	\$ 16,166	\$ 38,098	\$ 120,883	\$ 1,860	\$ 5,037	\$ 194,432	\$ 6,391
893	COVE DR	PVC	Gravity	SC010	250	65.2	1985	65	30	35	\$ 35,832	\$ 9,679	\$ -	\$ 45,511	\$ 700	\$ 1,300	\$ 91,017	\$ 1,821
899	MANNING RD	PVC	Gravity	T_SC2	250	20.4	2001	65	14	51	\$ 10,297	\$ 7,105	\$ -	\$ 17,401	\$ 268	\$ 341	\$ 47,774	\$ 547
904	ST GREGORYS RD	AC	Gravity	SC014	250	122.6	1978	65	37	28	\$ 67,237	\$ 9,679	\$ -	\$ 76,916	\$ 1,183	\$ 2,747	\$ 133,912	\$ 3,614
906	ST GREGORYS RD	AC	Gravity	SC016	250	122.1	1978	65	37	28	\$ 66,928	\$ 9,679	\$ 20,284	\$ 96,891	\$ 1,491	\$ 3,460	\$ 168,690	\$ 4,553
907	ST GREGORYS RD	AC	Gravity	SC017	250	103.8	1978	65	37	28	\$ 56,837	\$ 9,679	\$ 15,239	\$ 81,755	\$ 1,258	\$ 2,920	\$ 142,338	\$ 3,842
908	ST GREGORYS RD	AC	Gravity	SC017	250	19.5	1978	65	37	28	\$ 10,709	\$ 9,679	\$ -	\$ 20,387	\$ 314	\$ 728	\$ 35,495	\$ 958
909	CARITAS CRT	PVC	Gravity	SC116	200	37.0	1995	65	20	45	\$ 19,975	\$ 9,679	\$ 20,284	\$ 49,939	\$ 768	\$ 1,110	\$ 121,743	\$ 1,693
910	CARITAS CRT	PVC	Gravity	SC116	200	30.5	1995	65	20	45	\$ 16,475	\$ 9,679	\$ 20,284	\$ 46,438	\$ 714	\$ 1,032	\$ 113,209	\$ 1,575
911	BRIGHTON RD	AC	Gravity	SC115	300	41.9	1974	65	41	24	\$ 23,991	\$ 9,679	\$ -	\$ 33,670	\$ 518	\$ 1,403	\$ 54,156	\$ 1,780
912	BRIGHTON RD	AC	Gravity	SC117	300	57.6	1974	65	41	24	\$ 33,052	\$ 9,679	\$ 15,342	\$ 58,073	\$ 893	\$ 2,420	\$ 93,407	\$ 3,070
913	STARWOOD LANE	PVC	Gravity	SC126	200	122.3	1995	65	20	45	\$ 65,796	\$ 9,679	\$ 50,659	\$ 126,134	\$ 1,941	\$ 2,803	\$ 307,496	\$ 4,277
914	SOUTHWIND CRES	PVC	Gravity	SC127	200	20.3	1995	65	20	45	\$ 10,091	\$ 7,105	\$ 9,679	\$ 26,874	\$ 413	\$ 597	\$ 65,515	\$ 911
915	SOUTHWIND CRES	PVC	Gravity	SC127	200	38.1	1995	65	20	45	\$ 18,946	\$ 7,105	\$ 4,839	\$ 30,890	\$ 475	\$ 686	\$ 75,305	\$ 1,047
916	STARWOOD LANE	PVC	Gravity	SC126	200	119.8	1995	65	20	45	\$ 64,457	\$ 9,679	\$ 50,659	\$ 124,795	\$ 1,920	\$ 2,773	\$ 304,233	\$ 4,232
917	SOUTHWIND CRES	PVC	Gravity	SC127	200	22.5	1995	65	20	45	\$ 11,223	\$ 7,105	\$ 14,518	\$ 32,846	\$ 505	\$ 730	\$ 80,074	\$ 1,114
918	SOUTHWIND CRES	PVC	Gravity	SC127	200	113.0	1995	65	20	45	\$ 56,014	\$ 7,105	\$ 48,188	\$ 111,307	\$ 1,712	\$ 2,473	\$ 271,349	\$ 3,774
919	SOUTHWIND CRES	PVC	Gravity	SC127	200	116.1	1995	65	20	45	\$ 62,501	\$ 9,679	\$ 40,466	\$ 112,645	\$ 1,733	\$ 2,503	\$ 274,613	\$ 3,820

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	EUL Lifecycle
920	BRIGHTON RD	AC	Gravity	SC125	300	78.6	1974	65	41	24	\$ 44,996	\$ 9,679	\$ 30,581	\$ 85,256	\$ 1,312	\$ 3,552	\$ 137,129	\$ 4,508
921	BRIGHTON RD	AC	Gravity	SC128.	300	28.9	1974	65	41	24	\$ 16,578	\$ 9,679	\$ 15,342	\$ 41,598	\$ 640	\$ 1,733	\$ 66,908	\$ 2,199
922	BRIGHTON RD	AC	Gravity	SC128	300	117.8	1974	65	41	24	\$ 67,443	\$ 9,679	\$ 15,342	\$ 92,464	\$ 1,423	\$ 3,853	\$ 148,722	\$ 4,889
928	PENTILLY RD	PVC	Gravity	SC120	250	52.8	1987	65	28	37	\$ 28,934	\$ 9,679	\$ 40,466	\$ 79,078	\$ 1,217	\$ 2,137	\$ 164,537	\$ 3,045
929	PENTILLY RD	PVC	Gravity	SC120	250	87.3	1987	65	28	37	\$ 47,879	\$ 9,679	\$ 25,330	\$ 82,888	\$ 1,275	\$ 2,240	\$ 172,464	\$ 3,192
930	ST GREGORYS RD	AC	Gravity	SC017	250	8.8	1978	65	37	28	\$ 4,839	\$ 9,679	\$ 5,148	\$ 19,667	\$ 303	\$ 702	\$ 34,240	\$ 924
931	ST GREGORYS RD	AC	Gravity	SC017	250	86.2	1974	65	41	24	\$ 47,262	\$ 9,679	\$ 20,284	\$ 77,225	\$ 1,188	\$ 3,218	\$ 124,211	\$ 4,083
932	ST GREGORYS RD	AC	Gravity	SC017	250	95.9	1974	65	41	24	\$ 52,616	\$ 9,679	\$ 20,284	\$ 82,579	\$ 1,270	\$ 3,441	\$ 132,823	\$ 4,366
933	CADA CRES	AC	Gravity	SC018	250	79.9	1974	65	41	24	\$ 43,864	\$ 9,679	\$ 20,284	\$ 73,827	\$ 1,136	\$ 3,076	\$ 118,746	\$ 3,903
934	CADA CRES	AC	Gravity	SC019	250	86.7	1974	65	41	24	\$ 47,570	\$ 9,679	\$ 35,420	\$ 92,670	\$ 1,426	\$ 3,861	\$ 149,053	\$ 4,900
935	CADA CRES	AC	Gravity	SC019	250	91.6	1974	65	41	24	\$ 56,117	\$ 16,166	\$ 42,422	\$ 114,705	\$ 1,765	\$ 4,779	\$ 184,495	\$ 6,065
936	CADA CRES	AC	Gravity	SC021	250	91.4	1974	65	41	24	\$ 55,911	\$ 16,166	\$ 42,422	\$ 114,499	\$ 1,762	\$ 4,771	\$ 184,164	\$ 6,054
937	CADA CRES	AC	Gravity	SC021	250	96.1	1974	65	41	24	\$ 58,897	\$ 16,166	\$ 53,028	\$ 128,090	\$ 1,971	\$ 5,337	\$ 206,025	\$ 6,772
938	CADA CRES	AC	Gravity	SC021	250	90.5	1974	65	41	24	\$ 55,396	\$ 16,166	\$ 37,171	\$ 108,732	\$ 1,673	\$ 4,531	\$ 174,889	\$ 5,749
939	CADA CRES	AC	Gravity	SC130	250	96.2	1974	65	41	24	\$ 58,897	\$ 16,166	\$ 26,565	\$ 101,628	\$ 1,564	\$ 4,234	\$ 163,462	\$ 5,373
940	FAIRWAY CRES	AC	Gravity	SC024	250	94.5	1974	65	41	24	\$ 47,776	\$ 7,105	\$ 38,612	\$ 93,493	\$ 1,438	\$ 3,896	\$ 150,378	\$ 4,943
941	FAIRWAY CRES	AC	Gravity	SC022	250	93.4	1974	65	41	24	\$ 47,159	\$ 7,105	\$ 24,094	\$ 78,357	\$ 1,205	\$ 3,265	\$ 126,033	\$ 4,143
942	GORDON AVE	AC	Gravity	SC023	250	94.7	1974	65	41	24	\$ 47,776	\$ 7,105	\$ 33,773	\$ 88,654	\$ 1,364	\$ 3,694	\$ 142,594	\$ 4,687
943	GORDON AVE	AC	Gravity	SC023	250	122.4	1974	65	41	24	\$ 61,780	\$ 7,105	\$ 57,867	\$ 126,752	\$ 1,950	\$ 5,281	\$ 203,872	\$ 6,701
944	GORDON AVE	AC	Gravity	SC023	250	120.4	1974	65	41	24	\$ 73,724	\$ 16,166	\$ 42,422	\$ 132,312	\$ 2,036	\$ 5,513	\$ 212,815	\$ 6,995
945	FAIRWAY CRES	AC	Gravity	SC024	250	115.8	1974	65	41	24	\$ 58,485	\$ 7,105	\$ 48,188	\$ 113,778	\$ 1,750	\$ 4,741	\$ 183,005	\$ 6,016
946	FAIRWAY CRES	AC	Gravity	SC024	250	111.2	1974	65	41	24	\$ 56,117	\$ 7,105	\$ 43,452	\$ 106,673	\$ 1,641	\$ 4,445	\$ 171,577	\$ 5,640
947	FAIRWAY CRES	AC	Gravity	SC024	250	109.9	1974	65	41	24	\$ 67,237	\$ 16,166	\$ 42,422	\$ 125,825	\$ 1,936	\$ 5,243	\$ 202,381	\$ 6,653
948	FAIRWAY CRES	AC	Gravity	SC025	250	106.0	1974	65	41	24	\$ 76,092	\$ 19,358	\$ 22,241	\$ 117,691	\$ 1,811	\$ 4,904	\$ 189,298	\$ 6,222
949	DAVID CRES	AC	Gravity	SC031	250	92.6	1974	65	41	24	\$ 50,762	\$ 9,679	\$ 50,659	\$ 111,101	\$ 1,709	\$ 4,629	\$ 178,699	\$ 5,874
950	DAVID CRES	AC	Gravity	SC031	250	99.5	1974	65	41	24	\$ 54,572	\$ 9,679	\$ 45,614	\$ 109,865	\$ 1,690	\$ 4,578	\$ 176,711	\$ 5,809
951	DAVID CRES	AC	Gravity	SC031	250	97.4	1974	65	41	24	\$ 53,440	\$ 9,679	\$ 30,375	\$ 93,493	\$ 1,438	\$ 3,896	\$ 150,378	\$ 4,943
952	DAVID CRES	AC	Gravity	SC031	250	93.1	1974	65	41	24	\$ 51,071	\$ 9,679	\$ 30,375	\$ 91,125	\$ 1,402	\$ 3,797	\$ 146,569	\$ 4,818
953	DAVID CRES	AC	Gravity	SC029	250	106.6	1974	65	41	24	\$ 58,485	\$ 9,679	\$ 35,420	\$ 103,584	\$ 1,594	\$ 4,316	\$ 166,609	\$ 5,477
954	JEFFREY PL	AC	Gravity	SC030	250	70.1	1974	65	41	24	\$ 35,420	\$ 7,105	\$ 48,188	\$ 90,713	\$ 1,396	\$ 3,780	\$ 145,907	\$ 4,796
955	JEFFREY PL	AC	Gravity	SC030	250	60.0	1974	65	41	24	\$ 32,949	\$ 9,679	\$ 5,148	\$ 47,776	\$ 735	\$ 1,991	\$ 76,845	\$ 2,526
956	DAVID CRES	AC	Gravity	SC032	250	113.5	1974	65	41	24	\$ 62,192	\$ 9,679	\$ 45,614	\$ 117,485	\$ 1,807	\$ 4,895	\$ 188,967	\$ 6,212
957	GRANT AVE	AC	Gravity	SC028	250	110.1	1974	65	41	24	\$ 60,338	\$ 9,679	\$ 45,614	\$ 115,631	\$ 1,779	\$ 4,818	\$ 185,986	\$ 6,114
958	GRANT AVE	AC	Gravity	SC033	250	107.5	1974	65	41	24	\$ 59,000	\$ 9,679	\$ -	\$ 68,679	\$ 1,057	\$ 2,862	\$ 110,465	\$ 3,631
959	GRANT AVE	AC	Gravity	SC033	250	14.5	1974	65	41	24	\$ 7,928	\$ 9,679	\$ -	\$ 17,607	\$ 271	\$ 734	\$ 28,320	\$ 931
960	GRANT AVE	AC	Gravity	SC028	250	51.1	1974	65	41	24	\$ 28,007	\$ 9,679	\$ 20,284	\$ 57,970	\$ 892	\$ 2,415	\$ 93,241	\$ 3,065
961	GRANT AVE	AC	Gravity	SC027	250	81.2	1974	65	41	24	\$ 44,481	\$ 9,679	\$ 25,330	\$ 79,490	\$ 1,223	\$ 3,312	\$ 127,855	\$ 4,203
962	BURLINGTON RD	AC	Gravity	SC057	250	81.9	1974	65	41	24	\$ 50,145	\$ 16,166	\$ 15,960	\$ 82,270	\$ 1,266	\$ 3,428	\$ 132,326	\$ 4,350
963	TECUMSEH RD	PVC	Gravity	SC067	200	38.5	1985	65	30	35	\$ 19,049	\$ 7,105	\$ -	\$ 26,153	\$ 402	\$ 747	\$ 52,304	\$ 1,046
964	DRESDEN PL	PVC	Gravity	SC068	200	98.3	1985	65	30	35	\$ 48,806	\$ 7,105	\$ 33,773	\$ 89,684	\$ 1,380	\$ 2,562	\$ 179,358	\$ 3,588
965	OAKFIELD CRT	PVC	Gravity	SC070	200	77.1	1985	65	30	35	\$ 41,495	\$ 9,679	\$ 35,420	\$ 86,595	\$ 1,332	\$ 2,474	\$ 173,180	\$ 3,464
966	CAMBRIDGE CRT	PVC	Gravity	SC072	200	82.8	1985	65	30	35	\$ 44,584	\$ 9,679	\$ 35,420	\$ 89,684	\$ 1,380	\$ 2,562	\$ 179,358	\$ 3,588
967	CUMBERLAND CRT	PVC	Gravity	SC074	200	89.2	1985	65	30	35	\$ 47,982	\$ 9,679	\$ 35,420	\$ 93,082	\$ 1,432	\$ 2,659	\$ 186,153	\$ 3,723
968	BIRKDALE CRT	PVC	Gravity	SC076	200	95.5	1985	65	30	35	\$ 51,380	\$ 9,679	\$ 30,375	\$ 91,434	\$ 1,407	\$ 2,612	\$ 182,858	\$ 3,658
969	ROSTREVOR CRT	PVC	Gravity	SC078	200	106.7	1984	65	31	34	\$ 52,925	\$ 7,105	\$ 33,773	\$ 93,802	\$ 1,443	\$ 2,759	\$ 183,916	\$ 3,829
970	DRESDEN PL	PVC	Gravity	SC069	200	87.9	1985	65	30	35	\$ 47,365	\$ 9,679	\$ 20,284	\$ 77,328	\$ 1,190	\$ 2,209	\$ 154,647	\$ 3,093
971	DRESDEN PL	PVC	Gravity	SC071	300	93.0	1985	65	30	35	\$ 53,337	\$ 9,679	\$ 20,387	\$ 83,403	\$ 1,283	\$ 2,383	\$ 166,796	\$ 3,336
972	ESTATE PARK	AC	Gravity	SC102	300	97.7	1978	65	37	28	\$ 51,586	\$ 7,105	\$ 38,818	\$ 97,509	\$ 1,500	\$ 3,482	\$ 169,766	\$ 4,582
973	ESTATE PARK	AC	Gravity	SC102	300	79.9	1978	65	37	28	\$ 42,216	\$ 7,105	\$ 29,139	\$ 78,460	\$ 1,207	\$ 2,802	\$ 136,601	\$ 3,687
974	ESTATE PARK	AC	Gravity	SC102	300	44.4	1978	65	37	28	\$ 23,476	\$ 7,105	\$ 14,621	\$ 45,202	\$ 695	\$ 1,614	\$ 78,698	\$ 2,124
975	TALTHORPE PL	AC	Gravity	SC105	300	68.6	1978	65	37	28	\$ 36,244	\$ 7,105	\$ 9,782	\$ 53,131	\$ 817	\$ 1,898	\$ 92,502	\$ 2,497
976	ESTATE PARK	AC	Gravity	SC108	300	74.6	1978	65	37	28	\$ 39,333	\$ 7,105	\$ 14,621	\$ 61,059	\$ 939	\$ 2,181	\$ 106,305	\$ 2,869
977	ESTATE PARK	AC	Gravity	SC097	300	84.1	1978	65	37	28	\$ 44,379	\$ 7,105	\$ 33,979	\$ 85,462	\$ 1,315	\$ 3,052	\$ 148,792	\$ 4,016
978	ESTATE PARK	AC	Gravity	SC097	300	74.7	1978	65	37	28	\$ 39,436	\$ 7,105	\$ 33,979	\$ 80,520	\$ 1,239	\$ 2,876	\$ 140,187	\$ 3,784
979	ESTATE PARK	AC	Gravity	SC097	300	99.7	1978	65	37	28	\$ 52,616	\$ 7,105	\$ 29,139	\$ 88,860	\$ 1,367	\$ 3,174	\$ 154,707	\$ 4,176

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
980	LEXHAM GDN	AC	Gravity	SC098	300	122.3	1978	65	37	28	\$ 64,560	\$ 7,105	\$ 48,497	\$ 120,162	\$ 1,849	\$ 4,291	\$ 209,205	\$ 5,646
981	LEXHAM GDN	AC	Gravity	SC096	300	30.8	1978	65	37	28	\$ 16,269	\$ 7,105	\$ 14,621	\$ 37,995	\$ 585	\$ 1,357	\$ 66,150	\$ 1,785
982	ESTATE PARK	AC	Gravity	SC099	300	70.9	1978	65	37	28	\$ 37,480	\$ 7,105	\$ 9,782	\$ 54,366	\$ 836	\$ 1,942	\$ 94,653	\$ 2,555
983	ESTATE PARK	AC	Gravity	SC101	300	94.8	1978	65	37	28	\$ 50,042	\$ 7,105	\$ 29,139	\$ 86,286	\$ 1,327	\$ 3,082	\$ 150,226	\$ 4,055
984	ESTATE PARK	AC	Gravity	SC102	300	114.7	1978	65	37	28	\$ 60,544	\$ 7,105	\$ 58,176	\$ 125,825	\$ 1,936	\$ 4,494	\$ 219,064	\$ 5,912
985	CANTERBERRY CRT	AC	Gravity	SC100	300	78.7	1978	65	37	28	\$ 41,495	\$ 7,105	\$ 38,818	\$ 87,418	\$ 1,345	\$ 3,122	\$ 152,198	\$ 4,108
986	WELLWOOD CRT	AC	Gravity	SC104	300	93.6	1978	65	37	28	\$ 49,424	\$ 7,105	\$ 43,658	\$ 100,186	\$ 1,541	\$ 3,578	\$ 174,427	\$ 4,708
987	TALTHORPE PL	AC	Gravity	SC103	300	93.2	1978	65	37	28	\$ 49,218	\$ 7,105	\$ 29,139	\$ 85,462	\$ 1,315	\$ 3,052	\$ 148,792	\$ 4,016
988	TALTHORPE PL	AC	Gravity	SC103	300	72.6	1978	65	37	28	\$ 38,303	\$ 7,105	\$ 14,621	\$ 60,029	\$ 924	\$ 2,144	\$ 104,513	\$ 2,821
989	BRIGHTON RD	AC	Gravity	SC110	300	80.9	1974	65	41	24	\$ 46,335	\$ 9,679	\$ 15,342	\$ 71,356	\$ 1,098	\$ 2,973	\$ 114,771	\$ 3,773
990	BRIGHTON RD	AC	Gravity	SC112	300	10.6	1974	65	41	24	\$ 6,075	\$ 9,679	\$ -	\$ 15,754	\$ 242	\$ 656	\$ 25,339	\$ 833
991	CARITAS CRT	PVC	Gravity	SC116	200	52.8	1995	65	20	45	\$ 26,153	\$ 7,105	\$ 57,867	\$ 91,125	\$ 1,402	\$ 2,025	\$ 222,150	\$ 3,090
992	PENTILLY RD	PVC	Gravity	SC120	250	22.9	1987	65	28	37	\$ 12,665	\$ 9,679	\$ -	\$ 22,344	\$ 344	\$ 604	\$ 46,490	\$ 860
993	PENTILLY RD	PVC	Gravity	SC121	250	27.6	1987	65	28	37	\$ 15,136	\$ 9,679	\$ -	\$ 24,815	\$ 382	\$ 671	\$ 51,632	\$ 956
994	BEACH GROVE RD	PVC	Gravity	SC119	200	89.9	1987	65	28	37	\$ 48,394	\$ 9,679	\$ 15,239	\$ 73,312	\$ 1,128	\$ 1,981	\$ 152,539	\$ 2,823
995	BEACH GROVE RD	PVC	Gravity	SC118	200	85.5	1987	65	28	37	\$ 42,422	\$ 7,105	\$ 19,358	\$ 68,885	\$ 1,060	\$ 1,862	\$ 143,327	\$ 2,653
996	MEI-LIN CRES	PVC	Gravity	SC111	200	77.2	1993	65	22	43	\$ 38,303	\$ 7,105	\$ 38,612	\$ 84,021	\$ 1,293	\$ 1,954	\$ 196,876	\$ 2,931
1009	ST GREGORYS RD	PVC	Gravity	SC013	250	64.2	1993	65	22	43	\$ 32,434	\$ 7,105	\$ -	\$ 39,539	\$ 608	\$ 920	\$ 92,648	\$ 1,380
1012	DRESDEN PL	PVC	Gravity	SC073	300	87.7	1985	65	30	35	\$ 50,248	\$ 9,679	\$ 10,194	\$ 70,120	\$ 1,079	\$ 2,003	\$ 140,232	\$ 2,805
1013	DRESDEN PL	PVC	Gravity	SC075	300	83.2	1985	65	30	35	\$ 47,673	\$ 9,679	\$ -	\$ 57,352	\$ 882	\$ 1,639	\$ 114,698	\$ 2,294
1014	DRESDEN PL	PVC	Gravity	SC077	300	88.4	1985	65	30	35	\$ 50,659	\$ 9,679	\$ 35,626	\$ 95,965	\$ 1,476	\$ 2,742	\$ 191,919	\$ 3,839
1015	REGENT RD	PVC	Gravity	SC080	200	37.9	1984	65	31	34	\$ 20,387	\$ 9,679	\$ 10,194	\$ 40,260	\$ 619	\$ 1,184	\$ 78,937	\$ 1,643
1016	REGENT RD	PVC	Gravity	SC082	200	9.9	1984	65	31	34	\$ 4,942	\$ 7,105	\$ 4,839	\$ 16,886	\$ 260	\$ 497	\$ 33,109	\$ 689
1017	DRESDEN PL	PVC	Gravity	SC079	300	94.3	1984	65	31	34	\$ 54,057	\$ 9,679	\$ 25,433	\$ 89,169	\$ 1,372	\$ 2,623	\$ 174,831	\$ 3,640
1018	DRESDEN PL	PVC	Gravity	SC081	300	108.3	1984	65	31	34	\$ 62,089	\$ 9,679	\$ 40,775	\$ 112,542	\$ 1,731	\$ 3,310	\$ 220,659	\$ 4,594
1019	DRESDEN PL	PVC	Gravity	SC081	300	107.1	1984	65	31	34	\$ 61,368	\$ 9,679	\$ 25,433	\$ 96,479	\$ 1,484	\$ 2,838	\$ 189,165	\$ 3,938
1020	DRESDEN PL	PVC	Gravity	SC081	200	112.2	1984	65	31	34	\$ 60,338	\$ 9,679	\$ 40,466	\$ 110,483	\$ 1,700	\$ 3,249	\$ 216,621	\$ 4,510
1021	DORSET PARK	AC	Gravity	SC087	300	76.9	1978	65	37	28	\$ 44,070	\$ 9,679	\$ -	\$ 53,748	\$ 827	\$ 1,920	\$ 93,577	\$ 2,526
1022	HARBOURNE CRES	AC	Gravity	SC088	300	92.8	1978	65	37	28	\$ 59,309	\$ 16,166	\$ 5,354	\$ 80,829	\$ 1,244	\$ 2,887	\$ 140,725	\$ 3,798
1023	HARBOURNE CRES	AC	Gravity	SC088	300	90.0	1978	65	37	28	\$ 57,455	\$ 16,166	\$ 16,063	\$ 89,684	\$ 1,380	\$ 3,203	\$ 156,142	\$ 4,214
1024	HARBOURNE CRES	AC	Gravity	SC088	300	93.7	1978	65	37	28	\$ 59,823	\$ 16,166	\$ 10,709	\$ 86,698	\$ 1,334	\$ 3,096	\$ 150,943	\$ 4,074
1025	DORSET PARK	AC	Gravity	SC087	200	29.9	1978	65	37	28	\$ 16,166	\$ 9,679	\$ 20,284	\$ 46,129	\$ 710	\$ 1,647	\$ 80,312	\$ 2,168
1026	DORSET PARK	AC	Gravity	SC087	200	115.9	1979	65	36	29	\$ 57,455	\$ 7,105	\$ 48,188	\$ 112,748	\$ 1,735	\$ 3,888	\$ 200,223	\$ 5,161
1027	DORSET PARK	AC	Gravity	SC087	250	93.4	1979	65	36	29	\$ 51,174	\$ 9,679	\$ 25,330	\$ 86,183	\$ 1,326	\$ 2,972	\$ 153,047	\$ 3,945
1028	DORSET PARK	AC	Gravity	SC089	250	79.1	1979	65	36	29	\$ 39,951	\$ 7,105	\$ 24,094	\$ 71,150	\$ 1,095	\$ 2,453	\$ 126,351	\$ 3,257
1029	DORSET PARK	AC	Gravity	SC093	250	86.2	1979	65	36	29	\$ 47,262	\$ 9,679	\$ 35,420	\$ 92,361	\$ 1,421	\$ 3,185	\$ 164,019	\$ 4,228
1030	HARBOURNE CRES	AC	Gravity	SC088	250	124.6	1979	65	36	29	\$ 76,298	\$ 16,166	\$ 42,422	\$ 134,886	\$ 2,075	\$ 4,651	\$ 239,537	\$ 6,175
1031	HARBOURNE CRES	AC	Gravity	SC088	200	82.4	1978	65	37	28	\$ 44,379	\$ 9,679	\$ 35,420	\$ 89,478	\$ 1,377	\$ 3,196	\$ 155,778	\$ 4,205
1032	HARBOURNE CRES	AC	Gravity	SC088	300	39.0	1978	65	37	28	\$ 24,918	\$ 16,166	\$ 10,709	\$ 51,792	\$ 797	\$ 1,850	\$ 90,171	\$ 2,434
1033	TECUMSEH RD	AC	Gravity	SC084	300	31.6	1978	65	37	28	\$ 20,181	\$ 16,166	\$ -	\$ 36,347	\$ 559	\$ 1,298	\$ 63,281	\$ 1,708
1034	TALTHORPE PL	AC	Gravity	SC105	300	84.8	1978	65	37	28	\$ 44,790	\$ 7,105	\$ 4,942	\$ 56,837	\$ 874	\$ 2,030	\$ 98,955	\$ 2,671
1035	COLLIER CRES	AC	Gravity	SC091	300	114.6	1978	65	37	28	\$ 65,693	\$ 9,679	\$ 50,865	\$ 126,237	\$ 1,942	\$ 4,508	\$ 219,781	\$ 5,932
1036	COLLIER CRES	AC	Gravity	SC091	300	50.9	1979	65	36	29	\$ 29,139	\$ 9,679	\$ -	\$ 38,818	\$ 597	\$ 1,339	\$ 68,935	\$ 1,777
1037	COLLIER CRES	AC	Gravity	SC091	250	38.6	1979	65	36	29	\$ 21,211	\$ 9,679	\$ -	\$ 30,890	\$ 475	\$ 1,065	\$ 54,856	\$ 1,414
1038	COLLIER CRES	AC	Gravity	SC091	200	38.9	1978	65	37	28	\$ 21,005	\$ 9,679	\$ 20,284	\$ 50,968	\$ 784	\$ 1,820	\$ 88,737	\$ 2,395
1039	COLLIER CRES	AC	Gravity	SC091	200	69.3	1978	65	37	28	\$ 41,598	\$ 16,166	\$ 26,565	\$ 84,329	\$ 1,297	\$ 3,012	\$ 146,820	\$ 3,963
1040	COLLIER CRES	AC	Gravity	SC091	200	76.8	1978	65	37	28	\$ 41,392	\$ 9,679	\$ 30,375	\$ 81,446	\$ 1,253	\$ 2,909	\$ 141,800	\$ 3,827
1041	DORSET PARK	AC	Gravity	SC093	250	71.5	1979	65	36	29	\$ 39,230	\$ 9,679	\$ 35,420	\$ 84,329	\$ 1,297	\$ 2,908	\$ 149,756	\$ 3,860
1042	DORSET PARK	AC	Gravity	SC093	250	89.0	1979	65	36	29	\$ 48,806	\$ 9,679	\$ 35,420	\$ 93,905	\$ 1,445	\$ 3,238	\$ 166,761	\$ 4,299
1043	DORSET PARK	AC	Gravity	SC093	250	67.7	1979	65	36	29	\$ 37,068	\$ 9,679	\$ 20,284	\$ 67,031	\$ 1,031	\$ 2,311	\$ 119,037	\$ 3,069
1044	DORSET PARK	AC	Gravity	SC093	200	33.7	1978	65	37	28	\$ 18,122	\$ 9,679	\$ 20,284	\$ 48,085	\$ 740	\$ 1,717	\$ 83,718	\$ 2,260
1045	ESTATE PARK	AC	Gravity	SC097	300	92.6	1978	65	37	28	\$ 48,909	\$ 7,105	\$ 24,300	\$ 80,314	\$ 1,236	\$ 2,868	\$ 139,828	\$ 3,774
1046	TALTHORPE PL	AC	Gravity	SC105	300	86.2	1978	65	37	28	\$ 45,511	\$ 7,105	\$ 9,782	\$ 62,398	\$ 960	\$ 2,228	\$ 108,636	\$ 2,932
1047	TALTHORPE PL	AC	Gravity	SC105	300	70.6	1978	65	37	28	\$ 37,274	\$ 7,105	\$ 19,461	\$ 63,839	\$ 982	\$ 2,280	\$ 111,146	\$ 3,000
1048	COUNTY RD 42	AC	Gravity	SS115	200	96.7	1976	65	39	26	\$ 51,998	\$ 9,679	\$ 40,466	\$ 102,143	\$ 1,571	\$ 3,929	\$ 170,927	\$ 5,076

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	EUL Lifecycle
1049	COUNTY RD 42	AC	Gravity	SS115	200	91.5	1976	65	39	26	\$ 49,218	\$ 9,679	\$ 35,420	\$ 94,317	\$ 1,451	\$ 3,628	\$ 157,832	\$ 4,687
1050	BANWELL RD	AC	Gravity	SS116	200	118.6	1976	65	39	26	\$ 63,839	\$ 9,679	\$ 25,330	\$ 98,848	\$ 1,521	\$ 3,802	\$ 165,414	\$ 4,913
1051	COUNTY RD 42	AC	Gravity	SS117	250	90.4	1976	65	39	26	\$ 49,527	\$ 9,679	\$ 20,284	\$ 79,490	\$ 1,223	\$ 3,057	\$ 133,020	\$ 3,951
1052	COUNTY RD 42	AC	Gravity	SS117	250	90.9	1976	65	39	26	\$ 49,836	\$ 9,679	\$ 10,194	\$ 69,708	\$ 1,072	\$ 2,681	\$ 116,651	\$ 3,464
1053	COUNTY RD 42	AC	Gravity	SS117	250	91.4	1976	65	39	26	\$ 50,145	\$ 9,679	\$ 15,239	\$ 75,062	\$ 1,155	\$ 2,887	\$ 125,611	\$ 3,731
1054	COUNTY RD 42	AC	Gravity	SS117	250	92.1	1976	65	39	26	\$ 50,454	\$ 9,679	\$ 15,239	\$ 75,371	\$ 1,160	\$ 2,899	\$ 126,128	\$ 3,746
1055	COUNTY RD 42	AC	Gravity	SS117	250	96.4	1976	65	39	26	\$ 52,822	\$ 9,679	\$ -	\$ 62,501	\$ 962	\$ 2,404	\$ 104,590	\$ 3,106
1056	COUNTY RD 42	AC	Gravity	SS117	250	91.5	1976	65	39	26	\$ 56,014	\$ 16,166	\$ 15,960	\$ 88,139	\$ 1,356	\$ 3,390	\$ 147,494	\$ 4,380
1057	COUNTY RD 42	AC	Gravity	SS119	250	91.9	1976	65	39	26	\$ 56,220	\$ 16,166	\$ 10,606	\$ 82,991	\$ 1,277	\$ 3,192	\$ 138,878	\$ 4,125
1058	COUNTY RD 42	AC	Gravity	SS119	250	91.2	1976	65	39	26	\$ 55,808	\$ 16,166	\$ 5,354	\$ 77,328	\$ 1,190	\$ 2,974	\$ 129,402	\$ 3,843
1059	COUNTY RD 42	AC	Gravity	SS120	250	91.7	1976	65	39	26	\$ 56,117	\$ 16,166	\$ 5,354	\$ 77,637	\$ 1,194	\$ 2,986	\$ 129,919	\$ 3,858
1060	COUNTY RD 42	AC	Gravity	SS122	250	92.2	1976	65	39	26	\$ 66,207	\$ 19,358	\$ 5,560	\$ 91,125	\$ 1,402	\$ 3,505	\$ 152,491	\$ 4,529
1061	COUNTY RD 42	AC	Gravity	SS133	250	106.6	1976	65	39	26	\$ 76,607	\$ 19,358	\$ 22,241	\$ 118,205	\$ 1,819	\$ 4,546	\$ 197,807	\$ 5,875
1062	COUNTY RD 42	AC	Gravity	SS133	250	96.7	1976	65	39	26	\$ 59,206	\$ 16,166	\$ 21,211	\$ 96,582	\$ 1,486	\$ 3,715	\$ 161,623	\$ 4,800
1063	COUNTY RD 42	AC	Gravity	SS145	250	41.3	1976	65	39	26	\$ 25,330	\$ 16,166	\$ -	\$ 41,495	\$ 638	\$ 1,596	\$ 69,439	\$ 2,062
1064	COUNTY RD 42	AC	Gravity	SS145	250	105.2	1976	65	39	26	\$ 64,354	\$ 16,166	\$ 15,960	\$ 96,479	\$ 1,484	\$ 3,711	\$ 161,451	\$ 4,795
1065	COUNTY RD 42	AC	Gravity	SS145	250	109.0	1976	65	39	26	\$ 66,722	\$ 16,166	\$ 26,565	\$ 109,453	\$ 1,684	\$ 4,210	\$ 183,161	\$ 5,440
1066	COUNTY RD 42	AC	Gravity	SS153	250	69.9	1976	65	39	26	\$ 38,303	\$ 9,679	\$ 25,330	\$ 73,312	\$ 1,128	\$ 2,820	\$ 122,682	\$ 3,644
1067	COUNTY RD 42	AC	Gravity	SS153	200	91.1	1976	65	39	26	\$ 49,012	\$ 9,679	\$ 15,239	\$ 73,930	\$ 1,137	\$ 2,843	\$ 123,716	\$ 3,674
1068	MAISONNEUVE ST	AC	Gravity	SS35	250	69.6	1974	65	41	24	\$ 38,201	\$ 9,679	\$ 15,239	\$ 63,118	\$ 971	\$ 2,630	\$ 101,522	\$ 3,337
1069	MAISONNEUVE ST	AC	Gravity	SS08	250	100.2	1974	65	41	24	\$ 54,984	\$ 9,679	\$ 15,239	\$ 79,902	\$ 1,229	\$ 3,329	\$ 128,517	\$ 4,225
1070	MAISONNEUVE ST	AC	Gravity	SS22	300	104.6	1974	65	41	24	\$ 59,926	\$ 9,679	\$ 15,342	\$ 84,947	\$ 1,307	\$ 3,539	\$ 136,632	\$ 4,491
1071	SHAWNEE RD	AC	Gravity	SS11	200	90.6	1976	65	39	26	\$ 48,703	\$ 9,679	\$ 20,284	\$ 78,666	\$ 1,210	\$ 3,026	\$ 131,642	\$ 3,910
1072	SHAWNEE RD	AC	Gravity	SS11	200	74.7	1976	65	39	26	\$ 40,260	\$ 9,679	\$ 25,330	\$ 75,268	\$ 1,158	\$ 2,895	\$ 125,956	\$ 3,741
1073	SHAWNEE RD	AC	Gravity	SS011	200	94.2	1976	65	39	26	\$ 46,747	\$ 7,105	\$ 38,612	\$ 92,464	\$ 1,423	\$ 3,556	\$ 154,731	\$ 4,595
1074	SHAWNEE RD	AC	Gravity	SS11	200	66.8	1976	65	39	26	\$ 35,935	\$ 9,679	\$ 15,239	\$ 60,853	\$ 936	\$ 2,341	\$ 101,833	\$ 3,024
1075	GOUIN ST	AC	Gravity	SS24	300	105.3	1975	65	40	25	\$ 60,338	\$ 9,679	\$ 15,342	\$ 85,359	\$ 1,313	\$ 3,414	\$ 140,041	\$ 4,372
1076	GOUIN ST	AC	Gravity	SS32	300	108.3	1975	65	40	25	\$ 69,193	\$ 16,166	\$ 16,063	\$ 101,422	\$ 1,560	\$ 4,057	\$ 166,393	\$ 5,195
1077	GOUIN ST	AC	Gravity	SS32	300	107.4	1975	65	40	25	\$ 68,576	\$ 16,166	\$ 26,668	\$ 111,410	\$ 1,714	\$ 4,456	\$ 182,779	\$ 5,706
1078	GOUIN ST	AC	Gravity	SS12	250	79.9	1976	65	39	26	\$ 43,864	\$ 9,679	\$ 15,239	\$ 68,782	\$ 1,058	\$ 2,645	\$ 115,100	\$ 3,418
1079	SHAWNEE RD	AC	Gravity	SS13	250	94.6	1976	65	39	26	\$ 51,895	\$ 9,679	\$ 45,614	\$ 107,188	\$ 1,649	\$ 4,123	\$ 179,370	\$ 5,327
1080	SHAWNEE RD	AC	Gravity	SS13	200	96.9	1976	65	39	26	\$ 52,101	\$ 9,679	\$ 55,705	\$ 117,485	\$ 1,807	\$ 4,519	\$ 196,601	\$ 5,839
1081	SHAWNEE RD	AC	Gravity	SS18	200	91.7	1976	65	39	26	\$ 49,321	\$ 9,679	\$ 35,420	\$ 94,420	\$ 1,453	\$ 3,632	\$ 158,004	\$ 4,693
1082	SHAWN AVE	AC	Gravity	SS18	200	88.8	1976	65	39	26	\$ 47,776	\$ 9,679	\$ 40,466	\$ 97,921	\$ 1,506	\$ 3,766	\$ 163,863	\$ 4,867
1083	SHAWNEE RD	AC	Gravity	SS18	200	91.9	1976	65	39	26	\$ 49,424	\$ 9,679	\$ 45,614	\$ 104,717	\$ 1,611	\$ 4,028	\$ 175,235	\$ 5,204
1084	SHAWNEE RD	AC	Gravity	SS18	200	98.6	1976	65	39	26	\$ 53,028	\$ 9,679	\$ 40,466	\$ 103,172	\$ 1,587	\$ 3,968	\$ 172,650	\$ 5,128
1085	SHAWNEE RD	AC	Gravity	SS19	200	86.7	1976	65	39	26	\$ 46,644	\$ 9,679	\$ 35,420	\$ 91,743	\$ 1,411	\$ 3,529	\$ 153,524	\$ 4,560
1086	SHAWNEE RD	AC	Gravity	SS19	200	96.6	1976	65	39	26	\$ 47,879	\$ 7,105	\$ 43,452	\$ 98,436	\$ 1,514	\$ 3,786	\$ 164,724	\$ 4,892
1087	COUNTY RD 42	AC	Gravity	SS153	200	91.5	1976	65	39	26	\$ 49,218	\$ 9,679	\$ 10,194	\$ 69,090	\$ 1,063	\$ 2,657	\$ 115,617	\$ 3,434
1088	12TH CON RD	AC	Gravity	SS181	200	93.1	1976	65	39	26	\$ 50,042	\$ 9,679	\$ 35,420	\$ 95,141	\$ 1,464	\$ 3,659	\$ 159,211	\$ 4,728
1089	12TH CON RD	AC	Gravity	SS181	200	94.9	1976	65	39	26	\$ 51,071	\$ 9,679	\$ 30,375	\$ 91,125	\$ 1,402	\$ 3,505	\$ 152,491	\$ 4,529
1090	12TH CON RD	AC	Gravity	SS181	200	85.0	1976	65	39	26	\$ 51,071	\$ 16,166	\$ 10,606	\$ 77,843	\$ 1,198	\$ 2,994	\$ 130,263	\$ 3,869
1091	LESPEANCE RD	AC	Gravity	SS134	250	94.3	1976	65	39	26	\$ 57,661	\$ 16,166	\$ 15,960	\$ 89,787	\$ 1,381	\$ 3,453	\$ 150,251	\$ 4,462
1092	LESPEANCE RD	AC	Gravity	SS134	250	96.1	1976	65	39	26	\$ 52,719	\$ 9,679	\$ 35,420	\$ 97,818	\$ 1,505	\$ 3,762	\$ 163,691	\$ 4,861
1093	LESPEANCE RD	AC	Gravity	SS134	250	106.2	1976	65	39	26	\$ 58,176	\$ 9,679	\$ 30,375	\$ 98,230	\$ 1,511	\$ 3,778	\$ 164,380	\$ 4,882
1094	LESPEANCE RD	AC	Gravity	SS135	250	106.8	1976	65	39	26	\$ 58,588	\$ 9,679	\$ 40,466	\$ 108,732	\$ 1,673	\$ 4,182	\$ 181,955	\$ 5,404
1095	LESPEANCE RD	AC	Gravity	SS141	250	92.9	1976	65	39	26	\$ 50,968	\$ 9,679	\$ 30,375	\$ 91,022	\$ 1,400	\$ 3,501	\$ 152,318	\$ 4,524
1096	LESPEANCE RD	AC	Gravity	SS141	200	100.9	1976	65	39	26	\$ 54,263	\$ 9,679	\$ 40,466	\$ 104,408	\$ 1,606	\$ 4,016	\$ 174,718	\$ 5,189
1097	LESPEANCE RD	AC	Gravity	SS141	200	81.0	1976	65	39	26	\$ 43,555	\$ 9,679	\$ 40,466	\$ 93,699	\$ 1,442	\$ 3,604	\$ 156,798	\$ 4,657
1098	LESPEANCE RD	AC	Gravity	SS141	200	60.3	1976	65	39	26	\$ 32,434	\$ 9,679	\$ 30,375	\$ 72,488	\$ 1,115	\$ 2,788	\$ 121,303	\$ 3,603
1099	LESPEANCE RD	AC	Gravity	SS142	200	73.7	1976	65	39	26	\$ 39,642	\$ 9,679	\$ 5,148	\$ 54,469	\$ 838	\$ 2,095	\$ 91,150	\$ 2,707
1100	LESPEANCE RD	AC	Gravity	SS142	250	80.6	1976	65	39	26	\$ 44,173	\$ 9,679	\$ -	\$ 53,851	\$ 828	\$ 2,071	\$ 90,116	\$ 2,676
1101	LESPEANCE RD	AC	Gravity	SS142	250	75.7	1976	65	39	26	\$ 41,495	\$ 9,679	\$ 5,148	\$ 56,323	\$ 867	\$ 2,166	\$ 94,251	\$ 2,799
1102	LESPEANCE RD	AC	Gravity	SS144	250	14.1	1976	65	39	26	\$ 7,722	\$ 9,679	\$ -	\$ 17,401	\$ 268	\$ 669	\$ 29,120	\$ 865
1103	SOUTH PACIFIC AVE	AC	Gravity	SS143	250	81.8	1976	65	39	26	\$ 44,893	\$ 9,679	\$ -	\$ 54,572	\$ 840	\$ 2,099	\$ 91,322	\$ 2,712

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
1104	SOUTH PACIFIC AVE	AC	Gravity	SS143	250	105.0	1976	65	39	26	\$ 57,558	\$ 9,679	\$ 5,148	\$ 72,385	\$ 1,114	\$ 2,784	\$ 121,131	\$ 3,597
1105	LESPEANCE RD	AC	Gravity	SS62	200	100.9	1976	65	39	26	\$ 54,263	\$ 9,679	\$ 35,420	\$ 99,363	\$ 1,529	\$ 3,822	\$ 166,275	\$ 4,938
1106	LESPEANCE RD	AC	Gravity	SS76	300	105.6	1976	65	39	26	\$ 60,544	\$ 9,679	\$ 45,820	\$ 116,043	\$ 1,785	\$ 4,463	\$ 194,189	\$ 5,767
1107	LESPEANCE RD	AC	Gravity	SS76	300	103.9	1976	65	39	26	\$ 59,515	\$ 9,679	\$ 40,775	\$ 109,968	\$ 1,692	\$ 4,230	\$ 184,023	\$ 5,465
1108	LESPEANCE RD	AC	Gravity	SS76	300	102.7	1976	65	39	26	\$ 58,897	\$ 9,679	\$ 35,626	\$ 104,202	\$ 1,603	\$ 4,008	\$ 174,373	\$ 5,179
1109	ST ALPHONSE ST	AC	Gravity	SS123	450	13.5	1976	65	39	26	\$ 10,914	\$ 19,358	\$ -	\$ 30,272	\$ 466	\$ 1,164	\$ 50,658	\$ 1,505
1110	ST ALPHONSE ST	AC	Gravity	SS123	450	10.7	1976	65	39	26	\$ 6,178	\$ 7,105	\$ -	\$ 13,283	\$ 204	\$ 511	\$ 22,227	\$ 660
1111	ST ALPHONSE ST	AC	Gravity	SS123	450	73.5	1976	65	39	26	\$ 41,804	\$ 7,105	\$ 29,757	\$ 78,666	\$ 1,210	\$ 3,026	\$ 131,642	\$ 3,910
1112	ST ALPHONSE ST	AC	Gravity	SS123	450	28.8	1976	65	39	26	\$ 16,475	\$ 7,105	\$ 5,045	\$ 28,625	\$ 440	\$ 1,101	\$ 47,901	\$ 1,423
1113	ST ALPHONSE ST	AC	Gravity	SS125	450	102.0	1976	65	39	26	\$ 63,015	\$ 9,679	\$ 10,400	\$ 83,094	\$ 1,278	\$ 3,196	\$ 139,051	\$ 4,130
1114	ST ALPHONSE ST	AC	Gravity	SS125	450	112.8	1976	65	39	26	\$ 69,605	\$ 9,679	\$ 26,050	\$ 105,335	\$ 1,621	\$ 4,051	\$ 176,269	\$ 5,235
1115	ST ALPHONSE ST	AC	Gravity	SS128	450	80.9	1976	65	39	26	\$ 49,939	\$ 9,679	\$ 26,050	\$ 85,668	\$ 1,318	\$ 3,295	\$ 143,358	\$ 4,258
1116	ST ALPHONSE ST	AC	Gravity	SS128	450	89.6	1976	65	39	26	\$ 55,293	\$ 9,679	\$ 20,799	\$ 85,771	\$ 1,320	\$ 3,299	\$ 143,531	\$ 4,263
1117	ST ALPHONSE ST	AC	Gravity	SS128	450	87.6	1976	65	39	26	\$ 54,057	\$ 9,679	\$ 15,651	\$ 79,387	\$ 1,221	\$ 3,053	\$ 132,848	\$ 3,945
1118	ST ALPHONSE ST	AC	Gravity	SS131	450	88.4	1976	65	39	26	\$ 54,572	\$ 9,679	\$ 36,450	\$ 100,701	\$ 1,549	\$ 3,873	\$ 168,515	\$ 5,005
1119	ST ALPHONSE ST	AC	Gravity	SS131	450	79.1	1976	65	39	26	\$ 54,469	\$ 16,166	\$ 32,743	\$ 103,378	\$ 1,590	\$ 3,976	\$ 172,995	\$ 5,138
1120	ST ALPHONSE ST	AC	Gravity	SS131	450	87.8	1976	65	39	26	\$ 60,441	\$ 16,166	\$ 27,286	\$ 103,893	\$ 1,598	\$ 3,996	\$ 173,857	\$ 5,163
1121	SOUTH PACIFIC AVE	AC	Gravity	SS143	450	43.9	1976	65	39	26	\$ 27,183	\$ 9,679	\$ -	\$ 36,862	\$ 567	\$ 1,418	\$ 61,685	\$ 1,832
1122	SOUTH PACIFIC AVE	AC	Gravity	SS143	450	46.3	1976	65	39	26	\$ 28,625	\$ 9,679	\$ -	\$ 38,303	\$ 589	\$ 1,473	\$ 64,098	\$ 1,904
1123	ST ANNE ST	AC	Gravity	SS56	450	51.1	1976	65	39	26	\$ 31,508	\$ 9,679	\$ -	\$ 41,187	\$ 634	\$ 1,584	\$ 68,922	\$ 2,047
1124	ST ANNE ST	AC	Gravity	SS56	450	99.9	1976	65	39	26	\$ 68,782	\$ 16,166	\$ 43,555	\$ 128,502	\$ 1,977	\$ 4,942	\$ 215,038	\$ 6,386
1125	ST ANNE ST	AC	Gravity	SS56	450	102.7	1976	65	39	26	\$ 70,635	\$ 16,166	\$ 54,469	\$ 141,270	\$ 2,173	\$ 5,433	\$ 236,404	\$ 7,021
1126	ST ANNE ST	AC	Gravity	SS56	450	94.4	1976	65	39	26	\$ 64,972	\$ 16,166	\$ 38,098	\$ 119,235	\$ 1,834	\$ 4,586	\$ 199,530	\$ 5,926
1127	WEST LAKE DR	AC	Gravity	SS26	250	95.3	1976	65	39	26	\$ 52,204	\$ 9,679	\$ 10,194	\$ 72,076	\$ 1,109	\$ 2,772	\$ 120,614	\$ 3,582
1128	WEST LAKE DR	AC	Gravity	SS46	300	68.9	1976	65	39	26	\$ 39,436	\$ 9,679	\$ -	\$ 49,115	\$ 756	\$ 1,889	\$ 82,190	\$ 2,441
1129	WEST LAKE DR	AC	Gravity	SS45	300	63.9	1977	65	38	27	\$ 36,656	\$ 9,679	\$ 5,148	\$ 51,483	\$ 792	\$ 1,907	\$ 87,876	\$ 2,486
1130	WEST LAKE DR	AC	Gravity	SS45	300	78.6	1977	65	38	27	\$ 45,099	\$ 9,679	\$ 35,626	\$ 90,404	\$ 1,391	\$ 3,348	\$ 154,310	\$ 4,366
1131	WEST LAKE DR	AC	Gravity	SS45	300	91.0	1977	65	38	27	\$ 52,101	\$ 9,679	\$ 15,342	\$ 77,122	\$ 1,186	\$ 2,856	\$ 131,638	\$ 3,724
1132	INTERSECTION RD	AC	Gravity	SS28	250	100.0	1975	65	40	25	\$ 61,162	\$ 16,166	\$ 37,171	\$ 114,499	\$ 1,762	\$ 4,580	\$ 187,847	\$ 5,865
1133	WEST LAKE DR	AC	Gravity	SS26	300	49.7	1975	65	40	25	\$ 28,522	\$ 9,679	\$ -	\$ 38,201	\$ 588	\$ 1,528	\$ 62,672	\$ 1,957
1134	WEST LAKE DR	AC	Gravity	SS46	300	31.1	1975	65	40	25	\$ 17,813	\$ 9,679	\$ -	\$ 27,492	\$ 423	\$ 1,100	\$ 45,104	\$ 1,408
1135	LESPEANCE RD	AC	Gravity	SS62	250	77.0	1975	65	40	25	\$ 42,216	\$ 9,679	\$ 15,239	\$ 67,134	\$ 1,033	\$ 2,685	\$ 110,141	\$ 3,439
1136	LESPEANCE RD	AC	Gravity	SS76	250	31.0	1975	65	40	25	\$ 16,989	\$ 9,679	\$ 5,148	\$ 31,817	\$ 489	\$ 1,273	\$ 52,199	\$ 1,630
1137	LESPEANCE RD	AC	Gravity	SS76	300	23.5	1975	65	40	25	\$ 13,489	\$ 9,679	\$ 10,194	\$ 33,361	\$ 513	\$ 1,334	\$ 54,732	\$ 1,709
1138	LESPEANCE RD	AC	Gravity	SS77	300	74.2	1975	65	40	25	\$ 47,468	\$ 16,166	\$ 16,063	\$ 79,696	\$ 1,226	\$ 3,188	\$ 130,750	\$ 4,082
1139	COUNTY RD 42	AC	Gravity	SS117	250	42.9	1975	65	40	25	\$ 26,256	\$ 16,166	\$ 5,354	\$ 47,776	\$ 735	\$ 1,911	\$ 78,382	\$ 2,447
1140	COUNTY RD 42	AC	Gravity	SS119	250	53.8	1975	65	40	25	\$ 29,551	\$ 9,679	\$ -	\$ 39,230	\$ 604	\$ 1,569	\$ 64,361	\$ 2,009
1141	ST ALPHONSE ST	AC	Gravity	SS123	450	12.3	1975	65	40	25	\$ 9,988	\$ 19,358	\$ 5,766	\$ 35,112	\$ 540	\$ 1,404	\$ 57,604	\$ 1,798
1142	ST ALPHONSE ST	AC	Gravity	SS123	450	64.1	1975	65	40	25	\$ 36,450	\$ 7,105	\$ 14,930	\$ 58,485	\$ 900	\$ 2,339	\$ 95,951	\$ 2,996
1143	ST ALPHONSE ST	AC	Gravity	SS125	450	35.3	1975	65	40	25	\$ 21,829	\$ 9,679	\$ 10,400	\$ 41,907	\$ 645	\$ 1,676	\$ 68,753	\$ 2,147
1144	MAISONNEUVE ST	PVC	Gravity	SS08	250	49.1	1999	65	16	49	\$ 26,977	\$ 9,679	\$ 5,148	\$ 41,804	\$ 643	\$ 853	\$ 110,314	\$ 1,346
1145	CORBI LANE	PVC	Gravity	SS09	250	75.1	1999	65	16	49	\$ 37,892	\$ 7,105	\$ 53,028	\$ 98,024	\$ 1,508	\$ 2,000	\$ 258,667	\$ 3,157
1146	CORBI LANE	PVC	Gravity	SS09	250	48.7	1999	65	16	49	\$ 24,609	\$ 7,105	\$ 19,358	\$ 51,071	\$ 786	\$ 1,042	\$ 134,768	\$ 1,645
1147	CORBI LANE	PVC	Gravity	SS09	250	80.6	1999	65	16	49	\$ 44,173	\$ 9,679	\$ 40,466	\$ 94,317	\$ 1,451	\$ 1,925	\$ 248,885	\$ 3,037
1148	CORBI LANE	PVC	Gravity	SS09	250	49.0	1999	65	16	49	\$ 26,874	\$ 9,679	\$ 15,239	\$ 51,792	\$ 797	\$ 1,057	\$ 136,670	\$ 1,668
1149	CORBI LANE	PVC	Gravity	SS10	250	61.4	1997	65	18	47	\$ 31,096	\$ 7,105	\$ 28,934	\$ 67,134	\$ 1,033	\$ 1,428	\$ 170,275	\$ 2,217
1150	CORBI LANE	PVC	Gravity	SS10	250	63.8	1997	65	18	47	\$ 32,228	\$ 7,105	\$ 28,934	\$ 68,267	\$ 1,050	\$ 1,452	\$ 173,148	\$ 2,254
1151	CORBI LANE	PVC	Gravity	SS10	250	86.8	1997	65	18	47	\$ 47,570	\$ 9,679	\$ 45,614	\$ 102,863	\$ 1,583	\$ 2,189	\$ 260,897	\$ 3,396
1152	CORBI LANE	PVC	Gravity	SS10	250	82.7	1997	65	18	47	\$ 45,305	\$ 9,679	\$ 40,466	\$ 95,450	\$ 1,468	\$ 2,031	\$ 242,094	\$ 3,152
1153	GOUIN ST	PVC	Gravity	SS12	250	45.5	1997	65	18	47	\$ 24,918	\$ 9,679	\$ 15,239	\$ 49,836	\$ 767	\$ 1,060	\$ 126,401	\$ 1,645
1154	GOUIN ST	PVC	Gravity	SS12	250	23.3	1997	65	18	47	\$ 12,768	\$ 9,679	\$ -	\$ 22,447	\$ 345	\$ 478	\$ 56,932	\$ 741
1155	HEBERT ST	PVC	Gravity	SS21	200	85.0	1988	65	27	38	\$ 45,717	\$ 9,679	\$ 40,466	\$ 95,862	\$ 1,475	\$ 2,523	\$ 203,447	\$ 3,626
1156	HEBERT ST	PVC	Gravity	SS21	250	99.7	1988	65	27	38	\$ 54,675	\$ 9,679	\$ 45,614	\$ 109,968	\$ 1,692	\$ 2,894	\$ 233,385	\$ 4,159
1157	HEBERT ST	PVC	Gravity	SS21	250	110.1	1988	65	27	38	\$ 60,338	\$ 9,679	\$ 45,614	\$ 115,631	\$ 1,779	\$ 3,043	\$ 245,404	\$ 4,373
1158	MAISONNEUVE ST	AC	Gravity	SS22	300	37.2	1975	65	40	25	\$ 23,785	\$ 16,166	\$ 5,354	\$ 45,305	\$ 697	\$ 1,812	\$ 74,328	\$ 2,321

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	Lifecycle
1159	MAISONNEUVE ST	AC	Gravity	SS30	300	70.3	1975	65	40	25	\$ 44,996	\$ 16,166	\$ 16,063	\$ 77,225	\$ 1,188	\$ 3,089	\$ 126,695	\$ 3,955
1160	HEBERT ST	PVC	Gravity	SS23	200	82.6	1988	65	27	38	\$ 40,981	\$ 7,105	\$ 38,612	\$ 86,698	\$ 1,334	\$ 2,282	\$ 183,998	\$ 3,279
1161	HEBERT ST	PVC	Gravity	SS23	250	88.0	1988	65	27	38	\$ 48,291	\$ 9,679	\$ 40,466	\$ 98,436	\$ 1,514	\$ 2,590	\$ 208,910	\$ 3,723
1162	HEBERT ST	PVC	Gravity	SS23	250	113.8	1988	65	27	38	\$ 62,398	\$ 9,679	\$ 45,614	\$ 117,691	\$ 1,811	\$ 3,097	\$ 249,775	\$ 4,451
1163	HEBERT ST	PVC	Gravity	SS25	250	104.5	1986	65	29	36	\$ 52,719	\$ 7,105	\$ 33,773	\$ 93,596	\$ 1,440	\$ 2,600	\$ 190,926	\$ 3,672
1164	HEBERT ST	PVC	Gravity	SS25	300	89.9	1986	65	29	36	\$ 51,483	\$ 9,679	\$ 40,775	\$ 101,937	\$ 1,568	\$ 2,832	\$ 207,939	\$ 3,999
1165	HEBERT ST	PVC	Gravity	SS25	300	89.8	1986	65	29	36	\$ 51,483	\$ 9,679	\$ 40,775	\$ 101,937	\$ 1,568	\$ 2,832	\$ 207,939	\$ 3,999
1166	HEBERT ST	PVC	Gravity	SS25	300	100.8	1986	65	29	36	\$ 57,764	\$ 9,679	\$ 45,820	\$ 113,263	\$ 1,743	\$ 3,146	\$ 231,044	\$ 4,444
1167	STRAWBERRY DR	PVC	Gravity	SS147	200	121.5	1992	65	23	42	\$ 65,384	\$ 9,679	\$ 65,796	\$ 140,858	\$ 2,167	\$ 3,354	\$ 323,585	\$ 4,989
1168	STRAWBERRY DR	PVC	Gravity	SS147	200	26.9	1992	65	23	42	\$ 14,518	\$ 9,679	\$ 15,239	\$ 39,436	\$ 607	\$ 939	\$ 90,594	\$ 1,397
1169	STRAWBERRY DR	PVC	Gravity	SS147	200	38.5	1993	65	22	43	\$ 20,799	\$ 9,679	\$ 15,239	\$ 45,717	\$ 703	\$ 1,063	\$ 107,124	\$ 1,595
1170	WILDBERRY CRES	PVC	Gravity	SS148	200	79.0	1993	65	22	43	\$ 42,525	\$ 9,679	\$ 35,420	\$ 87,624	\$ 1,348	\$ 2,038	\$ 205,321	\$ 3,057
1171	STRAWBERRY DR	PVC	Gravity	SS146	200	70.2	1992	65	23	42	\$ 37,789	\$ 9,679	\$ 35,420	\$ 82,888	\$ 1,275	\$ 1,974	\$ 190,414	\$ 2,936
1172	STRAWBERRY DR	PVC	Gravity	SS146	200	68.1	1992	65	23	42	\$ 36,656	\$ 9,679	\$ 25,330	\$ 71,665	\$ 1,103	\$ 1,706	\$ 164,631	\$ 2,538
1173	WILDBERRY CRES	PVC	Gravity	SS148	200	87.8	1993	65	22	43	\$ 43,555	\$ 7,105	\$ 43,452	\$ 94,111	\$ 1,448	\$ 2,189	\$ 220,521	\$ 3,284
1174	WILDBERRY CRES	PVC	Gravity	SS148	200	90.7	1993	65	22	43	\$ 48,806	\$ 9,679	\$ 50,659	\$ 109,144	\$ 1,679	\$ 2,538	\$ 255,746	\$ 3,808
1175	WILDBERRY CRES	PVC	Gravity	SS148	200	51.5	1993	65	22	43	\$ 25,536	\$ 7,105	\$ 38,612	\$ 71,253	\$ 1,096	\$ 1,657	\$ 166,959	\$ 2,486
1176	WILDBERRY CRES	PVC	Gravity	SS148	200	52.1	1992	65	23	42	\$ 25,845	\$ 7,105	\$ 14,518	\$ 47,468	\$ 730	\$ 1,130	\$ 109,044	\$ 1,681
1177	STRAWBERRY DR	PVC	Gravity	SS149	200	111.0	1992	65	23	42	\$ 55,087	\$ 7,105	\$ 57,867	\$ 120,059	\$ 1,847	\$ 2,859	\$ 275,804	\$ 4,252
1178	STRAWBERRY DR	PVC	Gravity	SS149	200	77.2	1992	65	23	42	\$ 41,495	\$ 9,679	\$ 60,750	\$ 111,924	\$ 1,722	\$ 2,665	\$ 257,118	\$ 3,964
1179	STRAWBERRY DR	PVC	Gravity	SS149	200	41.4	1992	65	23	42	\$ 20,593	\$ 7,105	\$ 14,518	\$ 42,216	\$ 649	\$ 1,005	\$ 96,981	\$ 1,495
1180	WILDBERRY CRES	PVC	Gravity	SS152	200	48.3	1993	65	22	43	\$ 26,050	\$ 9,679	\$ 10,194	\$ 45,923	\$ 707	\$ 1,068	\$ 107,606	\$ 1,602
1181	WILDBERRY CRES	PVC	Gravity	SS150	200	97.7	1993	65	22	43	\$ 52,616	\$ 9,679	\$ 10,194	\$ 72,488	\$ 1,115	\$ 1,686	\$ 169,854	\$ 2,529
1182	BLUEBERRY CRT	PVC	Gravity	SS151	200	81.7	1993	65	22	43	\$ 43,967	\$ 9,679	\$ 20,284	\$ 73,930	\$ 1,137	\$ 1,719	\$ 173,232	\$ 2,579
1183	12TH CON RD	AC	Gravity	SS168	200	7.2	1975	65	40	25	\$ 3,604	\$ 7,105	\$ -	\$ 10,709	\$ 165	\$ 428	\$ 17,568	\$ 548
1184	12TH CON RD	AC	Gravity	SS168	200	45.1	1975	65	40	25	\$ 22,344	\$ 7,105	\$ 9,679	\$ 39,127	\$ 602	\$ 1,565	\$ 64,192	\$ 2,004
1185	HEBERT ST	PVC	Gravity	SS25	300	121.3	1986	65	29	36	\$ 69,502	\$ 9,679	\$ 45,820	\$ 125,001	\$ 1,923	\$ 3,472	\$ 254,988	\$ 4,904
1186	HEBERT ST	PVC	Gravity	SS27	200	120.8	1986	65	29	36	\$ 64,972	\$ 9,679	\$ 65,796	\$ 140,446	\$ 2,161	\$ 3,901	\$ 286,494	\$ 5,510
1187	HEBERT ST	PVC	Gravity	SS27	200	26.0	1986	65	29	36	\$ 14,003	\$ 9,679	\$ 20,284	\$ 43,967	\$ 676	\$ 1,221	\$ 89,687	\$ 1,725
1188	LESPEANCE RD	CONC	Gravity	SS38	600	24.8	1975	65	40	25	\$ 25,536	\$ 19,358	\$ 11,532	\$ 56,426	\$ 868	\$ 2,257	\$ 92,572	\$ 2,890
1189	LESPEANCE RD	CONC	Gravity	SS38	600	79.4	1975	65	40	25	\$ 69,399	\$ 18,019	\$ 32,846	\$ 120,265	\$ 1,850	\$ 4,811	\$ 197,307	\$ 6,160
1190	LESPEANCE RD	CONC	Gravity	SS38	600	15.9	1975	65	40	25	\$ 14,003	\$ 16,166	\$ 11,017	\$ 41,187	\$ 634	\$ 1,647	\$ 67,571	\$ 2,110
1191	LESPEANCE RD	CONC	Gravity	SS42	600	88.6	1975	65	40	25	\$ 77,431	\$ 16,166	\$ 32,846	\$ 126,443	\$ 1,945	\$ 5,058	\$ 207,443	\$ 6,476
1192	LESPEANCE RD	CONC	Gravity	SS42	600	59.2	1975	65	40	25	\$ 51,792	\$ 16,166	\$ 21,932	\$ 89,890	\$ 1,383	\$ 3,596	\$ 147,473	\$ 4,604
1193	LESPEANCE RD	CONC	Gravity	SS44	600	42.5	1975	65	40	25	\$ 37,171	\$ 16,166	\$ 16,475	\$ 69,811	\$ 1,074	\$ 2,792	\$ 114,533	\$ 3,576
1194	LESPEANCE RD	CONC	Gravity	SS44	600	106.9	1975	65	40	25	\$ 93,391	\$ 16,166	\$ 38,303	\$ 147,860	\$ 2,275	\$ 5,914	\$ 242,580	\$ 7,573
1195	LESPEANCE RD	CONC	Gravity	SS48	600	79.6	1975	65	40	25	\$ 69,605	\$ 16,166	\$ 5,560	\$ 91,331	\$ 1,405	\$ 3,653	\$ 149,838	\$ 4,678
1196	LESPEANCE RD	CONC	Gravity	SS48	600	29.2	1975	65	40	25	\$ 25,536	\$ 16,166	\$ 5,560	\$ 47,262	\$ 727	\$ 2,028	\$ 77,538	\$ 2,421
1197	CALVARY CRT	PVC	Gravity	SS40	200	68.8	1993	65	22	43	\$ 37,068	\$ 9,679	\$ 40,466	\$ 87,213	\$ 1,342	\$ 2,028	\$ 204,355	\$ 3,043
1198	CALVARY CRT	PVC	Gravity	SS39	200	134.6	1993	65	22	43	\$ 72,385	\$ 9,679	\$ 5,148	\$ 87,213	\$ 1,342	\$ 2,028	\$ 204,355	\$ 3,043
1199	CALVARY CRT	PVC	Gravity	SS40	200	114.5	1999	65	16	49	\$ 61,574	\$ 9,679	\$ 30,375	\$ 101,628	\$ 1,564	\$ 2,074	\$ 268,177	\$ 3,273
1200	CALVARY CRT	PVC	Gravity	SS40	250	65.0	1997	65	18	47	\$ 32,846	\$ 7,105	\$ 43,452	\$ 83,403	\$ 1,283	\$ 1,775	\$ 211,538	\$ 2,754
1201	CALVARY CRT	PVC	Gravity	SS40	250	126.4	1997	65	18	47	\$ 63,839	\$ 7,105	\$ 14,518	\$ 85,462	\$ 1,315	\$ 1,818	\$ 216,761	\$ 2,822
1202	CHORNOBY CRES	PVC	Gravity	SS41	250	131.4	1996	65	19	46	\$ 72,076	\$ 9,679	\$ 65,796	\$ 147,551	\$ 2,270	\$ 3,208	\$ 366,902	\$ 4,936
1203	ST MARTIN CRES	PVC	Gravity	SS070	250	84.7	1979	65	36	29	\$ 42,731	\$ 7,105	\$ 19,358	\$ 69,193	\$ 1,065	\$ 2,386	\$ 122,877	\$ 3,168
1204	ST MARTIN CRES	PVC	Gravity	SS70	250	74.6	1979	65	36	29	\$ 37,686	\$ 7,105	\$ 33,773	\$ 78,563	\$ 1,209	\$ 2,709	\$ 139,516	\$ 3,597
1205	ST MARTIN CRES	PVC	Gravity	SS70	250	74.5	1979	65	36	29	\$ 37,686	\$ 7,105	\$ 28,934	\$ 73,724	\$ 1,134	\$ 2,542	\$ 130,922	\$ 3,375
1206	ST MARTIN CRES	PVC	Gravity	SS70	250	88.2	1979	65	36	29	\$ 44,481	\$ 7,105	\$ 28,934	\$ 80,520	\$ 1,239	\$ 2,777	\$ 142,990	\$ 3,686
1207	MECONI DR	AC	Gravity	SS071	250	73.2	1992	65	23	42	\$ 36,965	\$ 7,105	\$ 28,934	\$ 73,003	\$ 1,123	\$ 1,738	\$ 167,706	\$ 2,586
1208	MECONI DR	AC	Gravity	SS071	250	80.3	1992	65	23	42	\$ 40,569	\$ 7,105	\$ 24,094	\$ 71,768	\$ 1,104	\$ 1,709	\$ 164,868	\$ 2,542
1209	CHARLENE LANE	PVC	Gravity	SS72	250	85.7	1992	65	23	42	\$ 43,246	\$ 7,105	\$ 24,094	\$ 74,445	\$ 1,145	\$ 1,772	\$ 171,018	\$ 2,637
1210	CHARLENE LANE	PVC	Gravity	SS73	250	92.6	1992	65	23	42	\$ 46,747	\$ 7,105	\$ 28,934	\$ 82,785	\$ 1,274	\$ 1,971	\$ 190,177	\$ 2,932
1211	CHARLENE LANE	PVC	Gravity	SS73	250	88.0	1992	65	23	42	\$ 44,481	\$ 7,105	\$ 28,934	\$ 80,520	\$ 1,239	\$ 1,917	\$ 184,973	\$ 2,852
1212	CHARLENE LANE	PVC	Gravity	SS75	250	75.4	1992	65	23	42	\$ 38,098	\$ 7,105	\$ 19,358	\$ 64,560	\$ 993	\$ 1,537	\$ 148,310	\$ 2,287
1213	EUGENI ST	PVC	Gravity	SS74	250	79.2	1992	65	23	42	\$ 39,951	\$ 7,105	\$ 14,518	\$ 61,574	\$ 947	\$ 1,466	\$ 141,450	\$ 2,181

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost	Inflated EUL Lifecycle
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs				
1214	EUGENI ST	PVC	Gravity	SS74	250	80.3	1992	65	23	42	\$ 40,569	\$ 7,105	\$ 14,518	\$ 62,192	\$ 957	\$ 1,481	\$ 142,870	\$ 2,203
1215	EUGENI ST	PVC	Gravity	SS74	250	94.0	1992	65	23	42	\$ 47,468	\$ 7,105	\$ 28,934	\$ 83,506	\$ 1,285	\$ 1,988	\$ 191,833	\$ 2,958
1216	EUGENI ST	PVC	Gravity	SS74	250	83.9	1992	65	23	42	\$ 42,422	\$ 7,105	\$ 33,773	\$ 83,300	\$ 1,282	\$ 1,983	\$ 191,360	\$ 2,950
1217	CHARLENE LANE	PVC	Gravity	SS75	250	113.2	1990	65	25	40	\$ 57,146	\$ 7,105	\$ 43,452	\$ 107,703	\$ 1,657	\$ 2,693	\$ 237,812	\$ 3,937
1218	CHARLENE LANE	PVC	Gravity	SS75	250	56.1	1990	65	25	40	\$ 28,419	\$ 7,105	\$ 28,934	\$ 64,457	\$ 992	\$ 1,611	\$ 142,324	\$ 2,356
1219	CHARLENE LANE	PVC	Gravity	SS75	250	85.6	1979	65	36	29	\$ 43,246	\$ 7,105	\$ 4,839	\$ 55,190	\$ 849	\$ 1,903	\$ 98,009	\$ 2,527
1220	ST AGNES DR	AC	Gravity	SS079	250	50.2	1979	65	36	29	\$ 25,433	\$ 7,105	\$ -	\$ 32,537	\$ 501	\$ 1,122	\$ 57,781	\$ 1,490
1221	LE BOEUF AVE	PVC	Gravity	SS121	200	121.4	1999	65	16	49	\$ 65,281	\$ 9,679	\$ 60,750	\$ 135,710	\$ 2,088	\$ 2,770	\$ 358,112	\$ 4,370
1222	LE BOEUF AVE	PVC	Gravity	SS121	200	62.0	1999	65	16	49	\$ 33,361	\$ 9,679	\$ 20,284	\$ 63,324	\$ 974	\$ 1,292	\$ 167,101	\$ 2,039
1223	JILLIAN RD	PVC	Gravity	SS380	200	72.6	2001	65	14	51	\$ 36,038	\$ 7,105	\$ 33,773	\$ 76,916	\$ 1,183	\$ 1,508	\$ 211,166	\$ 2,420
1224	DOCHERTY DR	PVC	Gravity	SS138	250	60.2	1989	65	26	39	\$ 30,478	\$ 7,105	\$ 19,358	\$ 56,940	\$ 876	\$ 1,460	\$ 123,261	\$ 2,117
1225	DOCHERTY DR	PVC	Gravity	SS138	250	60.0	1989	65	26	39	\$ 30,375	\$ 7,105	\$ 33,773	\$ 71,253	\$ 1,096	\$ 1,827	\$ 154,244	\$ 2,649
1226	DOCHERTY DR	PVC	Gravity	SS138	250	121.2	1989	65	26	39	\$ 61,162	\$ 7,105	\$ 53,028	\$ 121,294	\$ 1,866	\$ 3,110	\$ 262,571	\$ 4,509
1227	DOCHERTY DR	PVC	Gravity	SS138	250	65.2	1989	65	26	39	\$ 32,949	\$ 7,105	\$ 33,773	\$ 73,827	\$ 1,136	\$ 1,893	\$ 159,816	\$ 2,744
1228	DOCHERTY DR	PVC	Gravity	SS140	250	68.0	1989	65	26	39	\$ 34,391	\$ 7,105	\$ 14,518	\$ 56,014	\$ 862	\$ 1,436	\$ 121,255	\$ 2,082
1229	HOLMES CRT	PVC	Gravity	SS139	250	52.7	1989	65	26	39	\$ 26,668	\$ 7,105	\$ 38,612	\$ 72,385	\$ 1,114	\$ 1,856	\$ 156,696	\$ 2,691
1230	HOLMES CRT	PVC	Gravity	SS139	250	39.2	1989	65	26	39	\$ 19,873	\$ 7,105	\$ 19,358	\$ 46,335	\$ 713	\$ 1,188	\$ 100,303	\$ 1,722
1231	HOLMES CRT	PVC	Gravity	SS139	250	60.8	1989	65	26	39	\$ 30,787	\$ 7,105	\$ 28,934	\$ 66,825	\$ 1,028	\$ 1,713	\$ 144,659	\$ 2,484
1232	SHIELDS RD	PVC	Gravity	SS137	250	111.8	1989	65	26	39	\$ 61,265	\$ 9,679	\$ 25,330	\$ 96,274	\$ 1,481	\$ 2,469	\$ 208,408	\$ 3,579
1233	COUNTY RD 42	AC	Gravity	SS153	250	50.9	1975	65	40	25	\$ 27,904	\$ 9,679	\$ 5,148	\$ 42,731	\$ 657	\$ 1,709	\$ 70,105	\$ 2,189
1234	COUNTY RD 42	AC	Gravity	SS145	250	40.5	1975	65	40	25	\$ 22,241	\$ 9,679	\$ 5,148	\$ 37,068	\$ 570	\$ 1,483	\$ 60,814	\$ 1,899
1235	STRAWBERRY DR	PVC	Gravity	SS147	200	44.5	1992	65	23	42	\$ 22,035	\$ 7,105	\$ 9,679	\$ 38,818	\$ 597	\$ 924	\$ 89,175	\$ 1,375
1236	ST ANNE ST	AC	Gravity	SS56	450	93.7	1976	65	39	26	\$ 64,457	\$ 16,166	\$ 49,012	\$ 129,635	\$ 1,994	\$ 4,986	\$ 216,933	\$ 6,443
1237	ST ANNE ST	AC	Gravity	SS56	450	89.0	1976	65	39	26	\$ 61,265	\$ 16,166	\$ 27,286	\$ 104,717	\$ 1,611	\$ 4,028	\$ 175,235	\$ 5,204
1238	INTERSECTION RD	CONC	Gravity	SS28	600	38.2	1976	65	39	26	\$ 33,361	\$ 16,166	\$ 11,017	\$ 60,544	\$ 931	\$ 2,329	\$ 101,316	\$ 3,009
1239	ST ANNE ST	CONC	Gravity	SS29	600	92.2	1976	65	39	26	\$ 80,520	\$ 16,166	\$ 27,389	\$ 124,074	\$ 1,909	\$ 4,772	\$ 207,628	\$ 6,166
1240	ST ANNE ST	CONC	Gravity	SS29	600	73.5	1976	65	39	26	\$ 64,148	\$ 16,166	\$ 21,932	\$ 102,246	\$ 1,573	\$ 3,933	\$ 171,100	\$ 5,082
1241	ST ANNE ST	CONC	Gravity	SS29	600	89.6	1976	65	39	26	\$ 78,254	\$ 16,166	\$ 49,218	\$ 143,638	\$ 2,210	\$ 5,525	\$ 240,367	\$ 7,139
1242	ST ANNE ST	CONC	Gravity	SS29	600	97.3	1976	65	39	26	\$ 85,050	\$ 16,166	\$ 32,846	\$ 134,062	\$ 2,062	\$ 5,156	\$ 224,342	\$ 6,663
1243	ST ANNE ST	CONC	Gravity	SS31	600	103.6	1976	65	39	26	\$ 90,507	\$ 16,166	\$ 43,761	\$ 150,434	\$ 2,314	\$ 5,786	\$ 251,739	\$ 7,476
1244	ST ANNE ST	CONC	Gravity	SS31	600	108.4	1976	65	39	26	\$ 94,729	\$ 16,166	\$ 54,778	\$ 165,673	\$ 2,549	\$ 6,372	\$ 277,240	\$ 8,234
1245	ST ANNE ST	CONC	Gravity	SS31	600	111.9	1976	65	39	26	\$ 97,715	\$ 16,166	\$ 27,389	\$ 141,270	\$ 2,173	\$ 5,433	\$ 236,404	\$ 7,021
1246	GOUIN ST	CONC	Gravity	SS37	600	73.4	1976	65	39	26	\$ 64,148	\$ 16,166	\$ 27,389	\$ 107,703	\$ 1,657	\$ 4,142	\$ 180,232	\$ 5,353
1247	GOUIN ST	CONC	Gravity	SS37	600	72.5	1976	65	39	26	\$ 63,324	\$ 16,166	\$ 11,017	\$ 90,507	\$ 1,392	\$ 3,481	\$ 151,457	\$ 4,498
1248	LESPEANCE RD	AC	Gravity	SS34	200	90.1	1976	65	39	26	\$ 48,497	\$ 9,679	\$ 25,330	\$ 83,506	\$ 1,285	\$ 3,212	\$ 139,740	\$ 4,150
1249	LESPEANCE RD	AC	Gravity	SS34	200	89.8	1976	65	39	26	\$ 48,291	\$ 9,679	\$ 40,466	\$ 98,436	\$ 1,514	\$ 3,786	\$ 164,724	\$ 4,892
1250	LESPEANCE RD	AC	Gravity	SS34	200	76.4	1976	65	39	26	\$ 41,187	\$ 9,679	\$ 35,420	\$ 86,286	\$ 1,327	\$ 3,319	\$ 144,392	\$ 4,288
1251	LESPEANCE RD	AC	Gravity	SS34	200	88.9	1976	65	39	26	\$ 47,879	\$ 9,679	\$ 25,330	\$ 82,888	\$ 1,275	\$ 3,188	\$ 138,706	\$ 4,119
1252	LESPEANCE RD	AC	Gravity	SS36	200	74.4	1976	65	39	26	\$ 40,054	\$ 9,679	\$ 25,330	\$ 75,062	\$ 1,155	\$ 2,887	\$ 125,611	\$ 3,731
1253	CHORNOBY CRES	PVC	Gravity	SS41	250	121.6	1996	65	19	46	\$ 66,619	\$ 9,679	\$ 55,705	\$ 132,003	\$ 2,031	\$ 2,870	\$ 328,240	\$ 4,416
1254	CHORNOBY CRES	PVC	Gravity	SS41	250	121.8	1996	65	19	46	\$ 66,722	\$ 9,679	\$ 50,659	\$ 127,061	\$ 1,955	\$ 2,762	\$ 315,950	\$ 4,251
1255	CHORNOBY CRES	PVC	Gravity	SS41	250	43.9	1996	65	19	46	\$ 24,094	\$ 9,679	\$ 5,148	\$ 38,921	\$ 599	\$ 846	\$ 96,782	\$ 1,302
1256	CHORNOBY CRES	PVC	Gravity	SS47	200	41.0	1996	65	19	46	\$ 22,035	\$ 9,679	\$ 20,284	\$ 51,998	\$ 800	\$ 1,130	\$ 129,299	\$ 1,740
1257	CHORNOBY CRES	PVC	Gravity	SS47	200	100.8	1996	65	19	46	\$ 54,160	\$ 9,679	\$ 25,330	\$ 89,169	\$ 1,372	\$ 1,938	\$ 221,728	\$ 2,983
1258	LESSARD ST	PVC	Gravity	SS43	200	66.8	1987	65	28	37	\$ 33,155	\$ 7,105	\$ 33,773	\$ 74,033	\$ 1,139	\$ 2,001	\$ 154,039	\$ 2,851
1259	LESSARD ST	PVC	Gravity	SS43	200	28.7	1987	65	28	37	\$ 14,209	\$ 7,105	\$ 9,679	\$ 30,993	\$ 477	\$ 838	\$ 64,486	\$ 1,193
1260	LESSARD ST	PVC	Gravity	SS43	200	68.7	1987	65	28	37	\$ 34,082	\$ 7,105	\$ 9,679	\$ 50,865	\$ 783	\$ 1,375	\$ 105,835	\$ 1,959
1261	ST ANNE ST	AC	Gravity	SS56	450	31.7	1975	65	40	25	\$ 21,829	\$ 16,166	\$ 10,914	\$ 48,909	\$ 752	\$ 1,956	\$ 80,240	\$ 2,505
1262	ST DENIS ST	AC	Gravity	SS56	450	54.2	1975	65	40	25	\$ 37,377	\$ 16,166	\$ 16,372	\$ 69,914	\$ 1,076	\$ 2,797	\$ 114,702	\$ 3,581
1263	NORTH PACIFIC AVE	PVC	Gravity	SS57	200	39.2	1990	65	25	40	\$ 21,108	\$ 9,679	\$ 10,194	\$ 40,981	\$ 630	\$ 1,025	\$ 90,487	\$ 1,498
1264	MURRAY CRES	PVC	Gravity	SS58	250	104.2	1988	65	27	38	\$ 52,616	\$ 7,105	\$ 48,188	\$ 107,909	\$ 1,660	\$ 2,840	\$ 229,015	\$ 4,081
1265	MURRAY CRES	PVC	Gravity	SS58	250	107.7	1988	65	27	38	\$ 54,366	\$ 7,105	\$ 48,188	\$ 109,659	\$ 1,687	\$ 2,886	\$ 232,730	\$ 4,147
1266	MURRAY CRES	PVC	Gravity	SS58	250	108.5	1988	65	27	38	\$ 59,515	\$ 9,679	\$ 50,659	\$ 119,853	\$ 1,844	\$ 3,154	\$ 254,364	\$ 4,533
1267	MURRAY CRES	PVC	Gravity	SS58	250	90.7	1988	65	27	38	\$ 49,733	\$ 9,679	\$ 30,375	\$ 89,787	\$ 1,381	\$ 2,363	\$ 190,554	\$ 3,396
1268	SHAWNEE RD	PVC	Gravity	SS60	250	105.5	1989	65	26	39	\$ 57,867	\$ 9,679	\$ 50,659	\$ 118,205	\$ 1,819	\$ 3,031	\$ 255,885	\$ 4,394

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost	Inflated EUL Lifecycle
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs				
1269	SHAWNEE RD	PVC	Gravity	SS60	250	110.8	1989	65	26	39	\$ 60,750	\$ 9,679	\$ 45,614	\$ 116,043	\$ 1,785	\$ 2,975	\$ 251,204	\$ 4,313
1270	SHAWNEE RD	PVC	Gravity	SS60	250	111.6	1989	65	26	39	\$ 61,162	\$ 9,679	\$ 55,705	\$ 126,546	\$ 1,947	\$ 3,245	\$ 273,939	\$ 4,704
1271	SHAWNEE RD	PVC	Gravity	SS61	250	102.2	1988	65	27	38	\$ 56,014	\$ 9,679	\$ 35,420	\$ 101,113	\$ 1,556	\$ 2,661	\$ 214,592	\$ 3,824
1272	DESRO DR	PVC	Gravity	SS100	200	56.1	1988	65	27	38	\$ 27,801	\$ 7,105	-	\$ 34,906	\$ 537	\$ 919	\$ 74,080	\$ 1,320
1273	DESRO DR	PVC	Gravity	SS100	200	45.0	1988	65	27	38	\$ 22,344	\$ 7,105	-	\$ 29,448	\$ 453	\$ 775	\$ 62,498	\$ 1,114
1274	DESRO DR	PVC	Gravity	SS100	200	108.1	1988	65	27	38	\$ 53,543	\$ 7,105	-	\$ 60,647	\$ 933	\$ 1,596	\$ 128,711	\$ 2,294
1275	DESRO DR	PVC	Gravity	SS100	200	117.3	1988	65	27	38	\$ 58,176	\$ 7,105	-	\$ 65,281	\$ 1,004	\$ 1,718	\$ 138,545	\$ 2,469
1276	VERDANT CRT	PVC	Gravity	SS80	250	40.0	1990	65	25	40	\$ 20,181	\$ 7,105	\$ 28,934	\$ 56,220	\$ 865	\$ 1,405	\$ 124,135	\$ 2,055
1277	ST AGNES DR	PVC	Gravity	SS79	250	47.6	1990	65	25	40	\$ 24,094	\$ 7,105	-	\$ 31,199	\$ 480	\$ 780	\$ 68,888	\$ 1,140
1278	NORTH PACIFIC AVE	PVC	Gravity	SS57	200	41.7	1989	65	26	39	\$ 20,696	\$ 7,105	\$ 14,518	\$ 42,319	\$ 651	\$ 1,085	\$ 91,610	\$ 1,573
1279	NORTH PACIFIC AVE	PVC	Gravity	SS59	250	98.1	1989	65	26	39	\$ 49,527	\$ 7,105	\$ 19,358	\$ 75,989	\$ 1,169	\$ 1,948	\$ 164,497	\$ 2,825
1280	NORTH PACIFIC AVE	PVC	Gravity	SS57	250	121.1	1990	65	25	40	\$ 66,310	\$ 9,679	\$ 10,194	\$ 86,183	\$ 1,326	\$ 2,155	\$ 190,295	\$ 3,150
1281	MAYRAND CRES	PVC	Gravity	SS15	200	121.7	1989	65	26	39	\$ 65,487	\$ 9,679	\$ 55,705	\$ 130,870	\$ 2,013	\$ 3,356	\$ 283,301	\$ 4,865
1282	MAYRAND CRES	PVC	Gravity	SS15	250	27.1	1989	65	26	39	\$ 14,930	\$ 9,679	-	\$ 24,609	\$ 379	\$ 631	\$ 53,272	\$ 915
1283	MAYRAND CRES	PVC	Gravity	SS15	250	46.7	1989	65	26	39	\$ 23,579	\$ 7,105	\$ 14,518	\$ 45,202	\$ 695	\$ 1,159	\$ 97,851	\$ 1,680
1284	MAYRAND CRES	PVC	Gravity	SS15	250	74.5	1989	65	26	39	\$ 37,686	\$ 7,105	\$ 33,773	\$ 78,563	\$ 1,209	\$ 2,014	\$ 170,070	\$ 2,920
1285	KAVANAGH DR	PVC	Gravity	SS16	200	115.9	1989	65	26	39	\$ 57,455	\$ 7,105	\$ 43,452	\$ 108,012	\$ 1,662	\$ 2,770	\$ 233,818	\$ 4,015
1286	MAYRAND CRES	PVC	Gravity	SS15	250	130.4	1989	65	26	39	\$ 71,459	\$ 9,679	\$ 10,194	\$ 91,331	\$ 1,405	\$ 2,342	\$ 197,709	\$ 3,395
1287	GOUIN ST	PVC	Gravity	SS12	250	32.9	1989	65	26	39	\$ 18,122	\$ 9,679	\$ 10,194	\$ 37,995	\$ 585	\$ 974	\$ 82,249	\$ 1,412
1288	LESPEANCE RD	AC	Gravity	SS36	200	76.5	1976	65	39	26	\$ 41,187	\$ 9,679	\$ 35,420	\$ 86,286	\$ 1,327	\$ 3,319	\$ 144,392	\$ 4,288
1289	LESPEANCE RD	AC	Gravity	SS36	200	81.2	1976	65	39	26	\$ 43,761	\$ 9,679	\$ 40,466	\$ 93,905	\$ 1,445	\$ 3,612	\$ 157,143	\$ 4,667
1290	LESPEANCE RD	AC	Gravity	SS36	200	89.9	1976	65	39	26	\$ 54,057	\$ 16,166	\$ 31,817	\$ 102,040	\$ 1,570	\$ 3,925	\$ 170,755	\$ 5,071
1291	LESPEANCE RD	CONC	Gravity	SS38	600	105.6	1976	65	39	26	\$ 108,527	\$ 19,358	\$ 40,054	\$ 167,938	\$ 2,584	\$ 6,459	\$ 281,031	\$ 8,346
1292	LESPEANCE RD	CONC	Gravity	SS38	600	107.6	1976	65	39	26	\$ 94,008	\$ 16,166	\$ 27,389	\$ 137,563	\$ 2,116	\$ 5,291	\$ 230,201	\$ 6,837
1293	LESPEANCE RD	CONC	Gravity	SS48	600	62.0	1976	65	39	26	\$ 54,160	\$ 16,166	-	\$ 70,326	\$ 1,082	\$ 2,705	\$ 117,685	\$ 3,495
1294	LESPEANCE RD	CONC	Gravity	T299	600	81.9	1976	65	39	26	\$ 71,562	\$ 16,166	-	\$ 87,727	\$ 1,350	\$ 3,374	\$ 146,805	\$ 4,360
1295	LESPEANCE RD	CONC	Gravity	T299	600	88.4	1976	65	39	26	\$ 69,090	\$ 9,679	-	\$ 78,769	\$ 1,212	\$ 3,030	\$ 131,814	\$ 3,915
1296	INTERSECTION RD	AC	Gravity	SS28	250	96.8	1976	65	39	26	\$ 59,206	\$ 16,166	\$ 47,776	\$ 123,148	\$ 1,895	\$ 4,736	\$ 206,078	\$ 6,120
1297	INTERSECTION RD	AC	Gravity	SS33	300	61.8	1976	65	39	26	\$ 39,539	\$ 16,166	\$ 26,668	\$ 82,373	\$ 1,267	\$ 3,168	\$ 137,845	\$ 4,094
1298	INTERSECTION RD	AC	Gravity	SS33	300	83.8	1976	65	39	26	\$ 53,543	\$ 16,166	\$ 26,668	\$ 96,377	\$ 1,483	\$ 3,707	\$ 161,278	\$ 4,790
1299	INTERSECTION RD	AC	Gravity	SS06	200	61.0	1976	65	39	26	\$ 32,846	\$ 9,679	\$ 20,284	\$ 62,809	\$ 966	\$ 2,416	\$ 105,107	\$ 3,122
1300	INTERSECTION RD	AC	Gravity	SS20	250	86.6	1976	65	39	26	\$ 53,028	\$ 16,166	\$ 26,565	\$ 95,759	\$ 1,473	\$ 3,683	\$ 160,244	\$ 4,759
1301	SHAWNEE RD	AC	Gravity	SS07	200	99.2	1976	65	39	26	\$ 53,337	\$ 9,679	\$ 25,330	\$ 88,345	\$ 1,359	\$ 3,398	\$ 147,838	\$ 4,391
1302	SHAWNEE RD	AC	Gravity	SS07	200	103.7	1976	65	39	26	\$ 51,380	\$ 7,105	\$ 38,612	\$ 97,097	\$ 1,494	\$ 3,735	\$ 162,484	\$ 4,826
1303	SHAWNEE RD	AC	Gravity	SS07	200	76.5	1976	65	39	26	\$ 41,187	\$ 9,679	\$ 30,375	\$ 81,240	\$ 1,250	\$ 3,125	\$ 135,949	\$ 4,038
1304	SHAWNEE RD	AC	Gravity	SS07	200	87.6	1976	65	39	26	\$ 47,159	\$ 9,679	\$ 30,375	\$ 87,213	\$ 1,342	\$ 3,354	\$ 145,943	\$ 4,334
1305	MAISONNEUVE ST	AC	Gravity	SS30	300	108.7	1974	65	41	24	\$ 69,399	\$ 16,166	\$ 21,314	\$ 106,879	\$ 1,644	\$ 4,453	\$ 171,908	\$ 5,651
1306	MAISONNEUVE ST	AC	Gravity	SS35	250	76.4	1974	65	41	24	\$ 46,747	\$ 16,166	\$ 5,354	\$ 68,267	\$ 1,050	\$ 2,844	\$ 109,803	\$ 3,609
1307	CHARLENE LANE	PVC	Gravity	SS78	250	112.4	1979	65	36	29	\$ 61,574	\$ 9,679	\$ 20,284	\$ 91,537	\$ 1,408	\$ 3,156	\$ 162,556	\$ 4,190
1308	CHARLENE LANE	PVC	Gravity	SS75	250	66.7	1979	65	36	29	\$ 36,553	\$ 9,679	\$ 25,330	\$ 71,562	\$ 1,101	\$ 2,468	\$ 127,082	\$ 3,276
1309	DESILPPE DR	PVC	Gravity	SS88	250	57.6	1997	65	18	47	\$ 31,611	\$ 9,679	\$ 15,239	\$ 56,529	\$ 870	\$ 1,203	\$ 143,376	\$ 1,866
1310	DESILPPE DR	PVC	Gravity	SS88	250	85.7	1997	65	18	47	\$ 46,953	\$ 9,679	\$ 35,420	\$ 92,052	\$ 1,416	\$ 1,959	\$ 233,475	\$ 3,039
1311	DESILPPE DR	PVC	Gravity	SS88	250	84.1	1997	65	18	47	\$ 46,129	\$ 9,679	\$ 40,466	\$ 96,274	\$ 1,481	\$ 2,048	\$ 244,183	\$ 3,179
1312	DESILPPE DR	PVC	Gravity	SS88	250	83.4	1997	65	18	47	\$ 45,717	\$ 9,679	\$ 25,330	\$ 80,726	\$ 1,242	\$ 1,718	\$ 204,748	\$ 2,665
1313	DESILPPE DR	PVC	Gravity	SS90	250	87.1	1997	65	18	47	\$ 47,776	\$ 9,679	\$ 30,375	\$ 87,830	\$ 1,351	\$ 1,869	\$ 222,768	\$ 2,900
1314	GOUIN ST	PVC	Gravity	SS89	375	19.0	1997	65	18	47	\$ 11,326	\$ 9,679	\$ 5,148	\$ 26,153	\$ 402	\$ 556	\$ 66,334	\$ 864
1315	GOUIN ST	PVC	Gravity	SS89	375	111.9	1997	65	18	47	\$ 66,928	\$ 9,679	\$ 5,148	\$ 81,755	\$ 1,258	\$ 1,739	\$ 207,360	\$ 2,699
1316	SYLVESTRE DR	PVC	Gravity	SS95	250	87.8	1995	65	20	45	\$ 48,188	\$ 9,679	-	\$ 57,867	\$ 890	\$ 1,286	\$ 141,072	\$ 1,962
1317	SYLVESTRE DR	PVC	Gravity	SS95	250	122.2	1995	65	20	45	\$ 67,031	\$ 9,679	\$ 15,239	\$ 91,949	\$ 1,415	\$ 2,043	\$ 224,158	\$ 3,118
1318	SYLVESTRE DR	PVC	Gravity	SS95	250	121.9	1995	65	20	45	\$ 66,825	\$ 9,679	\$ 10,194	\$ 86,698	\$ 1,334	\$ 1,927	\$ 211,356	\$ 2,940
1319	SYLVESTRE DR	PVC	Gravity	SS95	250	120.3	1995	65	20	45	\$ 66,001	\$ 9,679	\$ 10,194	\$ 85,874	\$ 1,321	\$ 1,908	\$ 209,348	\$ 2,912
1320	JAMSYL DR	PVC	Gravity	SS97	200	122.5	1995	65	20	45	\$ 60,750	\$ 7,105	\$ 19,358	\$ 87,213	\$ 1,342	\$ 1,938	\$ 212,611	\$ 2,957
1321	JAMSYL DR	PVC	Gravity	SS97	200	121.7	1995	65	20	45	\$ 65,487	\$ 9,679	\$ 10,194	\$ 85,359	\$ 1,313	\$ 1,897	\$ 208,093	\$ 2,894
1322	JAMSYL DR	PVC	Gravity	SS97	200	122.1	1995	65	20	45	\$ 65,693	\$ 9,679	\$ 25,330	\$ 100,701	\$ 1,549	\$ 2,238	\$ 245,495	\$ 3,415
1323	JAMSYL DR	PVC	Gravity	SS97	200	65.1	1995	65	20	45	\$ 39,127	\$ 16,166	\$ 5,354	\$ 60,647	\$ 933	\$ 1,348	\$ 147,849	\$ 2,057

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2015 Replacement Costs				Yearly	EUL ¹	Inflated	Inflated
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs	Straightline Lifecycle	Straightline Lifecycle	Replacement Cost	EUL Lifecycle
1379	SYLVESTRE DR	PVC	Gravity	SS98	200	17.0	2002	65	13	52	\$ 9,164	\$ 9,679	\$ -	\$ 18,843	\$ 290	\$ 362	\$ 52,766	\$ 586
1380	LESPEANCE RD	PVC	Gravity	SS48	250	6.8	1994	65	21	44	\$ 3,810	\$ 9,679	\$ 5,148	\$ 18,637	\$ 287	\$ 424	\$ 44,543	\$ 641
1381	CANDLEWOOD DR	PVC	Gravity	SS88	250	72.9	1990	65	25	40	\$ 36,862	\$ 7,105	\$ 24,094	\$ 68,061	\$ 1,047	\$ 1,702	\$ 150,281	\$ 2,488
1382	CANDLEWOOD DR	PVC	Gravity	SS85	250	110.8	1990	65	25	40	\$ 60,750	\$ 9,679	\$ 15,239	\$ 85,668	\$ 1,318	\$ 2,142	\$ 189,158	\$ 3,132
1383	VICKERY LANE	PVC	Gravity	SS84	250	88.6	1990	65	25	40	\$ 48,600	\$ 9,679	\$ 30,375	\$ 88,654	\$ 1,364	\$ 2,216	\$ 195,752	\$ 3,241
1384	VICKERY LANE	PVC	Gravity	SS84	250	72.7	1990	65	25	40	\$ 36,759	\$ 7,105	\$ 38,612	\$ 82,476	\$ 1,269	\$ 2,062	\$ 182,110	\$ 3,015
1385	ST AGNES DR	PVC	Gravity	SS81	250	46.4	1990	65	25	40	\$ 23,476	\$ 7,105	\$ 9,679	\$ 40,260	\$ 619	\$ 1,006	\$ 88,895	\$ 1,472
1386	ST AGNES DR	AC	Gravity	SS079	250	94.7	1979	65	36	29	\$ 47,879	\$ 7,105	\$ 48,188	\$ 103,172	\$ 1,587	\$ 3,558	\$ 183,218	\$ 4,723
1387	BROUILLETTE CRT	PVC	Gravity	T278	200	73.9	1998	65	17	48	\$ 39,745	\$ 9,679	\$ 86,080	\$ 135,504	\$ 2,085	\$ 2,823	\$ 350,558	\$ 4,418
1388	CANDLEWOOD DR	PVC	Gravity	SS087	200	57.4	2006	65	9	56	\$ 30,890	\$ 9,679	\$ 25,330	\$ 65,898	\$ 1,014	\$ 1,177	\$ 199,749	\$ 1,967
1389	CANDLEWOOD DR	PVC	Gravity	SS087	200	90.0	2006	65	9	56	\$ 48,394	\$ 9,679	\$ 30,375	\$ 88,448	\$ 1,361	\$ 1,579	\$ 268,101	\$ 2,640
1390	CANDLEWOOD DR	PVC	Gravity	SS083	200	87.9	2006	65	9	56	\$ 47,365	\$ 9,679	\$ 30,375	\$ 87,418	\$ 1,345	\$ 1,561	\$ 264,980	\$ 2,609
1391	CANDLEWOOD DR	PVC	Gravity	SS082	200	52.2	2006	65	9	56	\$ 25,845	\$ 7,105	\$ 14,518	\$ 47,468	\$ 730	\$ 848	\$ 143,882	\$ 1,417
1392	ST AGNES DR	PVC	Gravity	SS081	250	40.2	2006	65	9	56	\$ 20,387	\$ 7,105	\$ 14,518	\$ 42,010	\$ 646	\$ 750	\$ 127,340	\$ 1,254
1393	VICKERY LANE	PVC	Gravity	SS084	250	24.2	2006	65	9	56	\$ 12,253	\$ 7,105	\$ 9,679	\$ 29,037	\$ 447	\$ 519	\$ 88,014	\$ 867
1394	CANDLEWOOD DR	PVC	Gravity	SS082	200	65.0	2006	65	9	56	\$ 32,228	\$ 7,105	\$ 43,452	\$ 82,785	\$ 1,274	\$ 1,478	\$ 250,935	\$ 2,471
1395	DESZIPPE DR	PVC	Gravity	SS088	200	83.6	2006	65	9	56	\$ 44,996	\$ 9,679	\$ 5,148	\$ 59,823	\$ 920	\$ 1,068	\$ 181,335	\$ 1,786
1396	DESZIPPE DR	PVC	Gravity	SS088	200	19.5	2006	65	9	56	\$ 10,503	\$ 9,679	\$ -	\$ 20,181	\$ 310	\$ 360	\$ 61,173	\$ 602
1397	VALENTE CRT	PVC	Gravity	T113	200	59.7	1977	65	38	27	\$ 29,654	\$ 7,105	\$ 4,839	\$ 41,598	\$ 640	\$ 1,541	\$ 71,004	\$ 2,009
1398	VALENTE CRT	AC	Gravity	T113	200	54.2	1977	65	38	27	\$ 26,874	\$ 7,105	\$ 14,518	\$ 48,497	\$ 746	\$ 1,796	\$ 82,779	\$ 2,342
1398	VALENTE CRT	AC	Gravity	T115	200	108.7	1977	65	38	27	\$ 58,485	\$ 9,679	\$ 30,375	\$ 98,539	\$ 1,516	\$ 3,650	\$ 168,195	\$ 4,759
1400	VALENTE CRT	AC	Gravity	T117	200	44.9	1977	65	38	27	\$ 24,197	\$ 9,679	\$ 10,194	\$ 44,070	\$ 678	\$ 1,632	\$ 75,222	\$ 2,128
1401	VALENTE CRT	AC	Gravity	T117	200	53.2	1977	65	38	27	\$ 28,625	\$ 9,679	\$ -	\$ 38,303	\$ 589	\$ 1,419	\$ 65,380	\$ 1,850
1402	VALENTE CRT	AC	Gravity	T114	200	77.4	1977	65	38	27	\$ 38,406	\$ 7,105	\$ 48,188	\$ 93,699	\$ 1,442	\$ 3,470	\$ 159,934	\$ 4,525
1403	VALENTE CRT	AC	Gravity	T116	200	76.2	1977	65	38	27	\$ 40,981	\$ 9,679	\$ 50,659	\$ 101,319	\$ 1,559	\$ 3,753	\$ 172,940	\$ 4,893
1404	McCord LN	PVC	Gravity	SS290	250	114.6	1997	65	18	47	\$ 62,809	\$ 9,679	\$ -	\$ 72,488	\$ 1,115	\$ 1,542	\$ 183,855	\$ 2,393
1406	DI COCCO CRT	PVC	Gravity	SS291	250	22.0	1997	65	18	47	\$ 12,150	\$ 9,679	\$ 10,194	\$ 32,023	\$ 493	\$ 681	\$ 81,220	\$ 1,057
1408	McCord LN	PVC	Gravity	SS290	200	123.2	1997	65	18	47	\$ 66,207	\$ 9,679	\$ -	\$ 75,886	\$ 1,167	\$ 1,615	\$ 192,474	\$ 2,506
1409	McCord LN	PVC	Gravity	SS290	250	28.2	1997	65	18	47	\$ 15,445	\$ 9,679	\$ -	\$ 25,124	\$ 387	\$ 535	\$ 63,723	\$ 830
1412	DI COCCO CRT	PVC	Gravity	SS291	200	29.0	1997	65	18	47	\$ 15,651	\$ 9,679	\$ 5,148	\$ 30,478	\$ 469	\$ 648	\$ 77,303	\$ 1,006
1413	DI COCCO CRT	PVC	Gravity	SS291	250	18.3	1997	65	18	47	\$ 10,091	\$ 9,679	\$ 10,194	\$ 29,963	\$ 461	\$ 638	\$ 75,997	\$ 989
1414	DI COCCO CRT	PVC	Gravity	SS291	200	91.2	1997	65	18	47	\$ 49,012	\$ 9,679	\$ 55,705	\$ 114,396	\$ 1,760	\$ 2,434	\$ 290,147	\$ 3,777
1415	DI COCCO CRT	PVC	Gravity	SS291	200	109.8	1997	65	18	47	\$ 59,103	\$ 9,679	\$ 91,125	\$ 159,907	\$ 2,460	\$ 3,402	\$ 405,579	\$ 5,280
1416	McCord LN	PVC	Gravity	SS292	250	15.6	1997	65	18	47	\$ 8,649	\$ 9,679	\$ -	\$ 18,328	\$ 282	\$ 390	\$ 46,486	\$ 605
1417	McCord LN	PVC	Gravity	SS292	250	77.2	1997	65	18	47	\$ 42,319	\$ 9,679	\$ -	\$ 51,998	\$ 800	\$ 1,106	\$ 131,885	\$ 1,717
1418	McCord LN	PVC	Gravity	SS292	250	4.3	1997	65	18	47	\$ 2,368	\$ 9,679	\$ -	\$ 12,047	\$ 185	\$ 256	\$ 30,555	\$ 398
1419	UNKNOWN	PVC	Gravity	SS298	250	86.9	1997	65	18	47	\$ 47,673	\$ 9,679	\$ -	\$ 57,352	\$ 882	\$ 1,220	\$ 145,465	\$ 1,894
1420	UNKNOWN	PVC	Gravity	SS298	250	33.8	1997	65	18	47	\$ 17,092	\$ 7,105	\$ -	\$ 24,197	\$ 372	\$ 515	\$ 61,372	\$ 799
1421	PICCADILLY AVE	PVC	Gravity	SS302	250	61.7	1997	65	18	47	\$ 31,199	\$ 7,105	\$ 14,518	\$ 52,822	\$ 813	\$ 1,124	\$ 133,974	\$ 1,744
1422	PICCADILLY AVE	PVC	Gravity	SS302	250	104.4	1997	65	18	47	\$ 52,719	\$ 7,105	\$ 24,094	\$ 83,918	\$ 1,291	\$ 1,785	\$ 212,844	\$ 2,771
1423	PICCADILLY AVE	PVC	Gravity	SS301	200	43.4	1997	65	18	47	\$ 23,373	\$ 9,679	\$ 10,194	\$ 43,246	\$ 665	\$ 920	\$ 109,686	\$ 1,428
1424	PICCADILLY AVE	PVC	Gravity	SS301	150	7.6	1997	65	18	47	\$ 3,810	\$ 7,105	\$ -	\$ 10,914	\$ 168	\$ 232	\$ 27,683	\$ 360
1425	PICCADILLY AVE	PVC	Gravity	SS301	150	16.3	1997	65	18	47	\$ 8,134	\$ 7,105	\$ -	\$ 15,239	\$ 234	\$ 324	\$ 38,651	\$ 503
1426	TRAFALGAR CRT	PVC	Gravity	SS303	250	78.2	1997	65	18	47	\$ 42,937	\$ 9,679	\$ -	\$ 52,616	\$ 809	\$ 1,119	\$ 133,452	\$ 1,737
1427	TRAFALGAR CRT	PVC	Gravity	SS303	250	33.4	1997	65	18	47	\$ 16,886	\$ 7,105	\$ 9,679	\$ 33,670	\$ 518	\$ 716	\$ 85,399	\$ 1,112
1428	TRAFALGAR CRT	PVC	Gravity	SS303	250	76.1	1997	65	18	47	\$ 38,509	\$ 7,105	\$ 24,094	\$ 69,708	\$ 1,072	\$ 1,483	\$ 176,804	\$ 2,302
1429	TRAFALGAR CRT	PVC	Gravity	SS303	200	77.7	1997	65	18	47	\$ 38,509	\$ 7,105	\$ 33,773	\$ 79,387	\$ 1,221	\$ 1,689	\$ 201,353	\$ 2,621
1431	MANNING RD	PVC	Gravity	T_SC003	250	76.2	2002	65	13	52	\$ 41,804	\$ 9,679	\$ -	\$ 51,483	\$ 792	\$ 990	\$ 144,170	\$ 1,602
1432	MANNING RD	PVC	Gravity	T_SC003	250	41.7	2002	65	13	52	\$ 22,859	\$ 9,679	\$ -	\$ 32,537	\$ 501	\$ 626	\$ 91,115	\$ 1,012
1433	SOUTHFIELD DR	PVC	Gravity	T272	200	29.9	1996	65	19	46	\$ 16,063	\$ 9,679	\$ 20,284	\$ 46,026	\$ 708	\$ 1,001	\$ 114,449	\$ 1,540
1434	SOUTHFIELD DR	PVC	Gravity	T272	200	41.7	1996	65	19	46	\$ 20,696	\$ 7,105	\$ 24,094	\$ 51,895	\$ 798	\$ 1,128	\$ 129,043	\$ 1,736
1435	BROUILLETTE CRT	PVC	Gravity	T278	200	22.2	1994	65	21	44	\$ 11,017	\$ 7,105	\$ 4,839	\$ 22,962	\$ 353	\$ 522	\$ 54,879	\$ 790
1436	SOUTHFIELD DR	PVC	Gravity	T273	200	64.5	1994	65	21	44	\$ 32,023	\$ 7,105	\$ 43,452	\$ 82,579	\$ 1,270	\$ 1,877	\$ 197,368	\$ 2,840
1437	SOUTHFIELD DR	PVC	Gravity	T273	200	17.9	1994	65	21	44	\$ 8,958	\$ 7,105	\$ 14,518	\$ 30,581	\$ 470	\$ 695	\$ 73,090	\$ 1,052
1438	SOUTHFIELD DR	PVC	Gravity	T273	200	52.1	1994	65	21	44	\$ 25,845	\$ 7,105	\$ 14,518	\$ 47,468	\$ 730	\$ 1,079	\$ 113,450	\$ 1,632

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GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs				
1439	SOUTHFIELD DR	PVC	Gravity	T275	200	25.1	1994	65	21	44	\$ 12,459	\$ 7,105	\$ 9,679	\$ 29,242	\$ 450	\$ 665	\$ 69,891	\$ 1,006
1440	SOUTHFIELD DR	PVC	Gravity	T277	200	97.4	1994	65	21	44	\$ 48,291	\$ 7,105	\$ -	\$ 55,396	\$ 852	\$ 1,259	\$ 132,399	\$ 1,905
1443	LACASSE BLVD	CONC	Gravity	T252	200	16.0	2008	65	7	58	\$ 7,928	\$ 7,105	\$ -	\$ 15,033	\$ 231	\$ 259	\$ 47,409	\$ 440
1444	LANOUE ST	PVC	Gravity	T332	300	53.7	2006	65	9	56	\$ 28,316	\$ 7,105	\$ -	\$ 35,420	\$ 545	\$ 633	\$ 107,365	\$ 1,057
1445	LANOUE ST	PVC	Gravity	T332	300	91.2	2006	65	9	56	\$ 48,085	\$ 7,105	\$ -	\$ 55,190	\$ 849	\$ 986	\$ 167,290	\$ 1,647
1446	LANOUE ST	PVC	Gravity	T332	300	91.3	2006	65	9	56	\$ 48,188	\$ 7,105	\$ -	\$ 55,293	\$ 851	\$ 987	\$ 167,602	\$ 1,650
1447	WEST LAKE DR	PVC	Gravity	SS388	450	4.9	2003	65	12	53	\$ 3,398	\$ 16,166	\$ -	\$ 19,564	\$ 301	\$ 369	\$ 55,880	\$ 602
1448	WEST LAKE DR	PVC	Gravity	SS388	450	100.3	2003	65	12	53	\$ 68,987	\$ 16,166	\$ 16,372	\$ 101,525	\$ 1,562	\$ 1,916	\$ 289,989	\$ 3,124
1449	WEST LAKE DR	PVC	Gravity	SS388	450	76.5	2003	65	12	53	\$ 52,719	\$ 16,166	\$ 5,457	\$ 74,342	\$ 1,144	\$ 1,403	\$ 212,345	\$ 2,288
1450	OLDCASTLE RD	PVC	Gravity	SS300	200	96.1	2005	65	10	55	\$ 47,673	\$ 7,105	\$ 19,358	\$ 74,136	\$ 1,141	\$ 1,348	\$ 220,312	\$ 2,235
1451	OLDCASTLE RD	PVC	Gravity	SS304	200	38.0	2005	65	10	55	\$ 18,843	\$ 7,105	\$ -	\$ 25,948	\$ 399	\$ 472	\$ 77,109	\$ 782
1452	PICCADILLY AVE	PVC	Gravity	SS301	200	59.9	2005	65	10	55	\$ 29,654	\$ 7,105	\$ -	\$ 36,759	\$ 566	\$ 668	\$ 109,238	\$ 1,108
1453	OLDCASTLE RD	PVC	Gravity	SS300	200	6.0	2005	65	10	55	\$ 3,089	\$ 7,105	\$ -	\$ 10,194	\$ 157	\$ 185	\$ 30,293	\$ 307
1454	COUNTY RD 22	CONC	Outlet	T_SS002	1200	10.5	2008	65	7	58	\$ 26,359	\$ 30,890	\$ -	\$ 57,249	\$ 881	\$ 987	\$ 180,543	\$ 1,677
1455	COUNTY RD 22	CONC	Outlet	T_SS002	1200	248.2	2008	65	7	58	\$ 621,505	\$ 30,890	\$ -	\$ 652,395	\$ 10,037	\$ 11,248	\$ 2,057,409	\$ 19,106
1456	COUNTY RD 22	CONC	Outlet	T_SS002	1200	252.8	2008	65	7	58	\$ 633,140	\$ 30,890	\$ -	\$ 664,030	\$ 10,216	\$ 11,449	\$ 2,094,102	\$ 19,447
1457	COUNTY RD 22	CONC	Outlet	T_SS002	1200	80.8	2008	65	7	58	\$ 202,432	\$ 30,890	\$ -	\$ 233,322	\$ 3,590	\$ 4,023	\$ 735,809	\$ 6,833
1458	COUNTY RD 22	CONC	Gravity	T_SS002	1200	16.2	2008	65	7	58	\$ 40,466	\$ 37,377	\$ -	\$ 77,843	\$ 1,198	\$ 1,342	\$ 245,486	\$ 2,280
1459	COUNTY RD 22	CONC	Relief	T_SS002	600	74.9	2008	65	7	58	\$ 77,019	\$ 37,377	\$ -	\$ 114,396	\$ 1,760	\$ 1,972	\$ 360,761	\$ 3,350
1460	COUNTY RD 22	CONC	Relief	T_SS002	600	115.0	2008	65	7	58	\$ 118,205	\$ 22,550	\$ -	\$ 140,755	\$ 2,165	\$ 2,427	\$ 443,889	\$ 4,122
1461	COUNTY RD 22	CONC	Relief	T_SS002	600	73.8	2008	65	7	58	\$ 75,989	\$ 22,550	\$ -	\$ 98,539	\$ 1,516	\$ 1,699	\$ 310,754	\$ 2,886
1462	COUNTY RD 22	CONC	Relief	T_SS002	600	39.2	2008	65	7	58	\$ 40,260	\$ 22,550	\$ -	\$ 62,809	\$ 966	\$ 1,083	\$ 198,078	\$ 1,839
1463	COUNTY RD 22	CONC	Relief	T_SS002	600	144.8	2008	65	7	58	\$ 148,889	\$ 22,550	\$ -	\$ 171,439	\$ 2,638	\$ 2,956	\$ 540,654	\$ 5,021
1464	COUNTY RD 22	CONC	Relief	T_SS002	600	144.6	2008	65	7	58	\$ 148,683	\$ 22,550	\$ -	\$ 171,233	\$ 2,634	\$ 2,952	\$ 540,005	\$ 5,015
1465	COUNTY RD 22	CONC	Relief	T_SS002	600	137.7	2008	65	7	58	\$ 120,265	\$ 20,593	\$ -	\$ 140,858	\$ 2,167	\$ 2,429	\$ 444,213	\$ 4,125
1466	COUNTY RD 42	PVC	Gravity	SS117	200	120.0	2008	65	7	58	\$ 64,560	\$ 18,740	\$ -	\$ 83,300	\$ 1,282	\$ 1,436	\$ 262,696	\$ 2,440
1467	SHIELDS RD	PVC	Gravity	SS422	200	115.0	2008	65	7	58	\$ 61,883	\$ 18,740	\$ -	\$ 80,623	\$ 1,240	\$ 1,390	\$ 254,254	\$ 2,361
1468	SHIELDS RD	PVC	Gravity	SS422	200	72.0	2008	65	7	58	\$ 35,729	\$ 16,166	\$ -	\$ 51,895	\$ 798	\$ 895	\$ 163,658	\$ 1,520
1469	SHIELDS RD	PVC	Gravity	SS422	200	120.0	2008	65	7	58	\$ 84,741	\$ 22,550	\$ -	\$ 107,291	\$ 1,651	\$ 1,850	\$ 338,355	\$ 3,142
1470	SHIELDS RD	PVC	Gravity	SS422	200	72.0	2008	65	7	58	\$ 35,729	\$ 16,166	\$ -	\$ 51,895	\$ 798	\$ 895	\$ 163,658	\$ 1,520
1471	SHIELDS RD	PVC	Gravity	SS422	200	21.0	2008	65	7	58	\$ 10,503	\$ 16,166	\$ -	\$ 26,668	\$ 410	\$ 460	\$ 84,102	\$ 781
1472	ST ALPHONSE ST	CONC	Force	SS123	200	1.6	1975	65	40	25	\$ 1,236	\$ 19,358	\$ -	\$ 20,593	\$ 317	\$ 824	\$ 33,785	\$ 1,055
1473	COUNTY RD 22	PVC	Force	T_SS003	150	387.8	1994	65	21	44	\$ 192,135	\$ 7,105	\$ -	\$ 199,240	\$ 3,065	\$ 4,528	\$ 476,194	\$ 6,851
1475	COUNTY RD 22	PVC	Force	T_SS003	150	17.3	1994	65	21	44	\$ 8,546	\$ 7,105	\$ -	\$ 15,651	\$ 241	\$ 356	\$ 37,406	\$ 538
1476	LESPERANCE RD	PVC	Force	SS048	150	48.0	1994	65	21	44	\$ 25,845	\$ 9,679	\$ 10,194	\$ 45,717	\$ 703	\$ 1,039	\$ 109,266	\$ 1,572
1477	ST ALPHONSE ST	CONC	Force	SS123	200	1.7	1975	65	40	25	\$ 1,236	\$ 19,358	\$ -	\$ 20,593	\$ 317	\$ 824	\$ 33,785	\$ 1,055
1479	SYLVESTRE DR	PVC	Force	SS098	150	154.5	1994	65	21	44	\$ 109,041	\$ 19,358	\$ 5,560	\$ 133,959	\$ 2,061	\$ 3,045	\$ 320,170	\$ 4,607
1480	ST ALPHONSE ST	CONC	Force	SS123	200	1.8	1975	65	40	25	\$ 1,339	\$ 19,358	\$ -	\$ 20,696	\$ 318	\$ 828	\$ 33,954	\$ 1,060
1481	ST ALPHONSE ST	CONC	Force	SS123	200	0.4	1975	65	40	25	\$ 206	\$ 7,105	\$ -	\$ 7,311	\$ 112	\$ 292	\$ 11,994	\$ 374
1482	ST ALPHONSE ST	CONC	Force	SS123	200	2.3	1975	65	40	25	\$ 1,647	\$ 19,358	\$ -	\$ 21,005	\$ 323	\$ 840	\$ 34,461	\$ 1,076
1483	ST ALPHONSE ST	CONC	Force	SS133	250	13.1	1975	65	40	25	\$ 6,693	\$ 7,105	\$ -	\$ 13,797	\$ 212	\$ 552	\$ 22,636	\$ 707
1484	SYLVESTRE DR	PVC	Force	SS098	150	2.8	1994	65	21	44	\$ 2,059	\$ 19,358	\$ -	\$ 21,417	\$ 329	\$ 487	\$ 51,188	\$ 736
1485	SYLVESTRE DR	PVC	Force	SS380	150	178.0	1994	65	21	44	\$ 125,619	\$ 19,358	\$ -	\$ 144,977	\$ 2,230	\$ 3,295	\$ 346,502	\$ 4,985
1486	NORTH PACIFIC AVE	PVC	Gravity	SS055	200	95.1	2012	65	3	62	\$ 51,174	\$ 9,679	\$ -	\$ 60,853	\$ 936	\$ 982	\$ 207,727	\$ 1,721
1487	RENAUD ST	PVC	Gravity	T289	200	12.8	2006	65	9	56	\$ 6,384	\$ 7,105	\$ 4,839	\$ 18,328	\$ 282	\$ 327	\$ 55,555	\$ 547
1488	N TALBOT RD	CONC	Trunk	SS242	600	149.4	2010	65	5	60	\$ 153,626	\$ 20,593	\$ 5,766	\$ 179,985	\$ 2,769	\$ 3,000	\$ 590,537	\$ 5,178
1489	N TALBOT RD	CONC	Trunk	SS242	600	137.9	2010	65	5	60	\$ 141,785	\$ 20,593	\$ -	\$ 162,378	\$ 2,498	\$ 2,706	\$ 532,767	\$ 4,671
1490	N TALBOT RD	CONC	Trunk	SS246	600	144.9	2010	65	5	60	\$ 148,889	\$ 20,593	\$ -	\$ 169,483	\$ 2,607	\$ 2,825	\$ 556,078	\$ 4,876
1491	N TALBOT RD	CONC	Trunk	SS246	600	151.1	2010	65	5	60	\$ 155,376	\$ 20,593	\$ -	\$ 175,970	\$ 2,707	\$ 2,933	\$ 577,361	\$ 5,062
1492	N TALBOT RD	CONC	Trunk	SS250	600	120.6	2010	65	5	60	\$ 124,074	\$ 20,593	\$ -	\$ 144,668	\$ 2,226	\$ 2,411	\$ 474,659	\$ 4,162
1493	N TALBOT RD	CONC	Trunk	SS250	600	135.0	2010	65	5	60	\$ 117,897	\$ 18,019	\$ -	\$ 135,916	\$ 2,091	\$ 2,265	\$ 445,943	\$ 3,910
1494	N TALBOT RD	CONC	Trunk	SS254	600	118.1	2010	65	5	60	\$ 103,172	\$ 18,019	\$ -	\$ 121,191	\$ 1,864	\$ 2,020	\$ 397,633	\$ 3,486
1495	N TALBOT RD	CONC	Trunk	SS254	600	120.4	2010	65	5	60	\$ 105,129	\$ 18,019	\$ 11,017	\$ 134,165	\$ 2,064	\$ 2,236	\$ 440,200	\$ 3,860
1496	N TALBOT RD	CONC	Trunk	SS239	600	137.8	2010	65	5	60	\$ 141,682	\$ 20,593	\$ -	\$ 162,275	\$ 2,497	\$ 2,705	\$ 532,429	\$ 4,668
1497	N TALBOT RD	CONC	Trunk	SS239	600	98.2	2010	65	5	60	\$ 100,907	\$ 20,593	\$ -	\$ 121,500	\$ 1,869	\$ 2,025	\$ 398,646	\$ 3,495

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GIS Database											2015 Replacement Costs				Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost	Inflated EUL Lifecycle
GIS ID	Street Name	Material	Type	Road Section	Size (mm)	Length (meters)	Year Installed	Useful Life	Asset Age	Useful Life Remaining	Sanitary Sewer Costs	Sanitary Manhole Costs	Sanitary Services Costs	Main, MH & Services Costs				
1498	N TALBOT RD	CONC	Trunk	SS237	600	63.0	2010	65	5	60	\$ 64,869	\$ 20,593	\$ -	\$ 85,462	\$ 1,315	\$ 1,424	\$ 280,404	\$ 2,459
1499	WALKER RD	CONC	Gravity	SS377	375	40.8	2010	65	5	60	\$ 32,023	\$ 20,593	\$ -	\$ 52,616	\$ 809	\$ 877	\$ 172,634	\$ 1,514
1500	WALKER RD	CONC	Gravity	SS238	375	15.9	2010	65	5	60	\$ 12,459	\$ 20,593	\$ -	\$ 33,052	\$ 508	\$ 551	\$ 108,445	\$ 951
1501	MANNING RD	PVC	Gravity	T_SC3	100	180.1	2002	65	13	52	\$ 96,891	\$ 9,679	\$ -	\$ 106,570	\$ 1,640	\$ 2,049	\$ 298,432	\$ 3,315
1502	MANNING RD	PVC	Gravity	T_SC3	200	59.1	2002	65	13	52	\$ 31,817	\$ 9,679	\$ -	\$ 41,495	\$ 638	\$ 798	\$ 116,201	\$ 1,291
1503	NORTH PACIFIC AVE	PVC	Gravity	SS055	200	44.2	2007	65	8	57	\$ 23,785	\$ 9,679	\$ -	\$ 33,464	\$ 515	\$ 587	\$ 103,464	\$ 989
1504	NORTH PACIFIC AVE	PVC	Gravity	SS055	200	44.2	2007	65	8	57	\$ 23,785	\$ 9,679	\$ -	\$ 33,464	\$ 515	\$ 587	\$ 103,464	\$ 989
1505	RENAUD ST	PVC	Gravity	T289	200	59.7	2006	65	9	56	\$ 29,654	\$ 7,105	\$ 9,679	\$ 46,438	\$ 714	\$ 829	\$ 140,761	\$ 1,386
1506	LESPEARANCE RD	RCONC	Gravity	SS48	600	121.5	2011	65	4	61	\$ 106,158	\$ 18,019	\$ 5,560	\$ 129,738	\$ 1,996	\$ 2,127	\$ 434,187	\$ 3,700
1507	HALFORD RD	PVC	Gravity	SS235	250	119.1	2011	65	4	61	\$ 60,132	\$ 7,105	\$ 38,612	\$ 105,849	\$ 1,628	\$ 1,735	\$ 354,241	\$ 3,019
1508	HALFORD RD	PVC	Gravity	SS235	250	120.0	2011	65	4	61	\$ 65,796	\$ 9,679	\$ 10,194	\$ 85,668	\$ 1,318	\$ 1,404	\$ 286,701	\$ 2,443
1509	HALFORD RD	PVC	Gravity	SS235	250	99.6	2011	65	4	61	\$ 54,572	\$ 9,679	\$ 20,284	\$ 84,535	\$ 1,301	\$ 1,386	\$ 282,911	\$ 2,411
1510	HALFORD RD	PVC	Gravity	SS235	250	96.6	2011	65	4	61	\$ 59,103	\$ 16,166	\$ 26,565	\$ 101,834	\$ 1,567	\$ 1,669	\$ 340,802	\$ 2,905
1511	HALFORD RD	PVC	Gravity	SS235	250	103.2	2011	65	4	61	\$ 63,221	\$ 16,166	\$ 21,211	\$ 100,598	\$ 1,548	\$ 1,649	\$ 336,667	\$ 2,869
1512	LESPEARANCE RD	CONC	Gravity	SS048	600	18.3	1975	65	40	25	\$ 16,063	\$ 20,593	\$ -	\$ 36,656	\$ 564	\$ 1,466	\$ 60,138	\$ 1,878
1513	LESPEARANCE RD	RCONC	Gravity	SS048	600	6.2	2011	65	4	61	\$ 5,457	\$ 20,593	\$ -	\$ 26,050	\$ 401	\$ 427	\$ 87,182	\$ 743
1514	N TALBOT RD	CONC	Trunk	SS237	600	99.4	2010	65	5	60	\$ 102,246	\$ 20,593	\$ 5,766	\$ 128,605	\$ 1,979	\$ 2,143	\$ 421,957	\$ 3,700
1515	N TALBOT RD	CONC	Trunk	SS236	600	78.6	2010	65	5	60	\$ 80,726	\$ 20,593	\$ -	\$ 101,319	\$ 1,559	\$ 1,689	\$ 332,430	\$ 2,915
1516	N TALBOT RD	CONC	Trunk	SS234	600	138.2	2010	65	5	60	\$ 142,094	\$ 22,550	\$ -	\$ 164,643	\$ 2,533	\$ 2,744	\$ 540,200	\$ 4,736
1517	N TALBOT RD	CONC	Trunk	SS234	600	121.0	2010	65	5	60	\$ 124,486	\$ 22,550	\$ -	\$ 147,036	\$ 2,262	\$ 2,451	\$ 482,430	\$ 4,230
1518	N TALBOT RD	CONC	Trunk	SS233	600	115.6	2010	65	5	60	\$ 118,823	\$ 20,593	\$ -	\$ 139,416	\$ 2,145	\$ 2,324	\$ 457,430	\$ 4,011
1519	N TALBOT RD	CONC	Trunk	SS233	600	47.4	2010	65	5	60	\$ 48,703	\$ 22,550	\$ -	\$ 71,253	\$ 1,096	\$ 1,188	\$ 233,782	\$ 2,050
1520	N TALBOT RD	CONC	Trunk	SS231	600	40.5	2010	65	5	60	\$ 41,701	\$ 22,550	\$ -	\$ 64,251	\$ 988	\$ 1,071	\$ 210,810	\$ 1,848
1521	N TALBOT RD	CONC	Trunk	SS231	600	15.3	2010	65	5	60	\$ 15,754	\$ 22,550	\$ -	\$ 38,303	\$ 589	\$ 638	\$ 125,675	\$ 1,102
1522	PULLEYBLANK DR	CONC	Gravity	SS281	250	22.4	2010	65	5	60	\$ 16,063	\$ 19,358	\$ 5,560	\$ 40,981	\$ 630	\$ 683	\$ 134,459	\$ 1,179
1523	N TALBOT RD	CONC	Trunk	SS231	600	79.9	2010	65	5	60	\$ 82,167	\$ 22,550	\$ -	\$ 104,717	\$ 1,611	\$ 1,745	\$ 343,579	\$ 3,012
1524	N TALBOT RD	CONC	Gravity	SS231	250	13.6	2010	65	5	60	\$ 9,782	\$ 19,358	\$ -	\$ 29,139	\$ 448	\$ 486	\$ 95,608	\$ 838
1525	N TALBOT RD	CONC	Trunk	SS231	600	12.0	2010	65	5	60	\$ 12,356	\$ 22,550	\$ -	\$ 34,906	\$ 537	\$ 582	\$ 114,526	\$ 1,004
1526	N TALBOT RD	CONC	Trunk	SS231	600	115.5	2010	65	5	60	\$ 118,823	\$ 22,550	\$ -	\$ 141,373	\$ 2,175	\$ 2,356	\$ 463,849	\$ 4,067
1527	N TALBOT RD	CONC	Trunk	SS231	600	120.0	2010	65	5	60	\$ 123,354	\$ 20,593	\$ -	\$ 143,947	\$ 2,215	\$ 2,399	\$ 472,295	\$ 4,141
1528	WALKER RD	PVC	Gravity	SS239	250	16.3	2010	65	5	60	\$ 11,738	\$ 20,593	\$ -	\$ 32,331	\$ 497	\$ 539	\$ 106,080	\$ 930
1529	N TALBOT RD	CONC	Gravity	SS234	250	26.9	2010	65	5	60	\$ 19,358	\$ 19,358	\$ -	\$ 38,715	\$ 596	\$ 645	\$ 127,026	\$ 1,114
1530	8TH CON RD	RCONC	Trunk	SS204	900	82.2	2012	65	3	62	\$ 135,298	\$ 22,550	\$ -	\$ 157,847	\$ 2,428	\$ 2,546	\$ 538,826	\$ 4,465
1531	8TH CON RD	RCONC	Trunk	SS204	900	128.9	2012	65	3	62	\$ 212,111	\$ 22,550	\$ -	\$ 234,660	\$ 3,610	\$ 3,785	\$ 801,033	\$ 6,638
1532	8TH CON RD	PVC	Relief	SS204	200	22.0	2012	65	3	62	\$ 15,548	\$ 22,550	\$ -	\$ 38,098	\$ 586	\$ 614	\$ 130,049	\$ 1,078
1533	8TH CON RD	RCONC	Trunk	SS204	900	156.5	2012	65	3	62	\$ 257,519	\$ 22,550	\$ -	\$ 280,069	\$ 4,309	\$ 4,517	\$ 956,038	\$ 7,922
1534	8TH CON RD	RCONC	Trunk	SS204	900	134.1	2012	65	3	62	\$ 220,657	\$ 22,550	\$ -	\$ 243,207	\$ 3,742	\$ 3,923	\$ 830,206	\$ 6,879
1535	8TH CON RD	RCONC	Trunk	SS204	900	14.8	2012	65	3	62	\$ 24,403	\$ 22,550	\$ -	\$ 46,953	\$ 722	\$ 757	\$ 160,277	\$ 1,328
1536	8TH CON RD	PVC	Relief	SS204	200	7.6	2012	65	3	62	\$ 5,354	\$ 19,358	\$ -	\$ 24,712	\$ 380	\$ 399	\$ 84,356	\$ 699
1537	8TH CON RD	RCONC	Trunk	SS204	900	48.7	2012	65	3	62	\$ 80,211	\$ 22,550	\$ -	\$ 102,760	\$ 1,581	\$ 1,657	\$ 350,781	\$ 2,907
1538	8TH CON RD	CONC	Trunk	SS204	1200	86.2	2012	65	3	62	\$ 215,920	\$ 30,890	\$ -	\$ 246,810	\$ 3,797	\$ 3,981	\$ 842,508	\$ 6,981
Totals											\$ 68,547,705	\$ 15,697,122	\$ 37,554,310	\$ 121,799,137	\$ 1,873,833	\$ 3,980,755	\$ 243,046,717	\$ 5,372,080

¹ EUL = End of useful life; EUL calculations take into account remaining years of useful life.