

2023 Water and Wastewater Rate Study

As Submitted to Town Council
April 25, 2023



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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 23,300 (Statistics Canada, 2021 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 2022, there were 9,058 metered water customers and 8,132 wastewater customers. The residential/non-residential split is shown in Table 1.1.

Table 1.1
Customer/Volume Breakdown
2022 Year End

Water	Customers		Volume m³	
Residential	8,355	92%	1,854,884	64%
Non-Residential	703	8%	1,064,355	36%
Total	9,058	100%	2,919,239	100%

Wastewater	Customers		Volume m³	
Residential	7,711	95%	1,671,918	65%
Non-Residential	421	5%	900,746	35%
Total	8,132	100%	2,572,664	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

2023 Rates – By-law 2022-102

	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"	\$18.98	\$1.2135	\$0.8773	\$18.98	\$1.3355
1"	\$32.93	\$1.2135	\$0.8773	\$32.93	\$1.3355
1 1/2"	\$64.65	\$1.2135	\$0.8773	\$64.65	\$1.3355
2"	\$96.32	\$1.2135	\$0.8773	\$96.32	\$1.3355
3"	\$161.71	\$1.2135	\$0.8773	\$161.71	\$1.3355
4"	\$261.02	\$1.2135	\$0.8773	\$261.02	\$1.3355
6"	\$464.18	\$1.2135	\$0.8773	\$464.18	\$1.3355

The wastewater collection and treatment charge for the Town's "Large Customer" is at \$0.8902 per cubic meter.

Lakeshore Water Agreement – By-law 2003-37 amended by By-law 2005-49

	Water Charges	
	Fixed	Volume
	Monthly	Per m ³
Area A	\$50.00	\$1.2135
Area D	\$50.00	\$1.6571
Area E	\$50.00	\$1.6571

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 225 km of watermain; 1,193 hydrants; 1,534 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 \$152.8 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 122.5 km of sanitary sewers; 1,505 manholes; four pumping stations and six metering stations. The current replacement cost of the wastewater sewer system is \$160.6 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; was enacted as Chapter 19 of Statutes of Ontario, 2010.
- 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 2016. Of the municipalities that participated in the BMA Study, the uniform rate was the most common. Ultimately, the 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	- 2023 Approved Operating Budget for the current and outlook years
Capital Cost Projections	- 2022 PWES Capital Priorities Presentation - 2022 Asset Management Plan - 2023 Approved Capital Budget - 2023-2027 Public Works & Environmental Services Capital Works Plan - 2023-2032 Ten Year Fleet Replacement Schedule - 2019 Water & Wastewater Master Plan - 2019 Development Charge Study (Watson & Associates Economists Ltd.) - 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	- 2022 PWES Capital Priorities Presentation
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 9,000 water and 8,100 wastewater customers. The split between residential and non-residential as of year-end 2022 is as follows:

Table 3.1

Customer Type	# of Customers Waters	# of customers Wastewater
Residential	8,355	7,711
Non-Residential	703	421
Total	9,058	8,132

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 PWES Capital Priorities Council Report was used as a starting point in forecasting growth. The Capital Priorities presentation 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.

The Town is anticipating significant development and growth within the Tecumseh Hamlet, Oldcastle Hamlet and MRSPA (Manning Road Secondary Plan) areas. Until completion of the recommended development, it is forecasted that growth will include the addition of 4,300 residential units, 482,000 sq ft of commercial development and 3,495,000 sq ft of industrial development. Note that not all development will be completed within the study period, therefore moderate growth was projected throughout the study period.

Water

The existing customer base comes from the 2022 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 2023 – 2032 forecast periods of 1,420 units which is an average of 142 homes per year.

Table 3.2
Water Customer Forecast

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	9,058	9,058	9,058	9,058	9,058	9,058	9,058	9,058	9,058	9,058
Growth ¹	50	100	150	200	320	420	620	820	1,020	1,420
Total	9,108	9,158	9,208	9,258	9,378	9,478	9,678	9,878	10,078	10,478

¹ Cumulative over forecast period

Wastewater

The existing customer base comes from the 2022 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 internally from the Engineering Services department.

Table 3.3 shows the wastewater customer increase over the 2023 – 2032 forecast periods of 1,637 units which is an average of 164 per year.

Table 3.3
Wastewater Customer Forecast

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	8,132	8,132	8,132	8,132	8,132	8,132	8,132	8,132	8,132	8,132
Growth for existing ¹	50	100	150	200	320	420	620	820	1,020	1,420
North Talbot Road Outlet Sewer Area ¹	-	-	-	-	-	-	-	-	-	-
8th Concession Rd Outlet Sewer Area ¹	-	109	180	180	180	180	200	200	200	217
Total	8,182	8,341	8,462	8,512	8,632	8,732	8,952	8,9152	9,352	9,769

¹ Cumulative over forecast period

4. Volume Forecast

Average residential water usage has returned to a steady decline following elevated usage in 2020/2021 due to COVID-19. The 2015 Rate Study assumed a volume of 230m³ per new residential customer based on the 2014 average of 232m³. From 2015 we saw volumes trend downwards until 2020 when pandemic related lockdowns caused a temporary spike in residential usage to 245m³. Volumes continued to decrease to 231m³ in 2021 and 222m³ in 2022. It is expected that volumes will level off at some point in the near future.

For this Study, a usage of 220m³ 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)

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<u>Existing:</u>										
Tecumseh	2,411,791	2,411,791	2,411,791	2,411,791	2,411,791	2,411,791	2,411,791	2,411,791	2,411,791	2,411,791
Lakeshore	27,765	27,765	27,765	27,765	27,765	27,765	27,765	27,765	27,765	27,765
“Large Consumer”	479,683	479,683	479,683	479,683	479,683	479,683	479,683	479,683	479,683	479,683
Growth	11,000	22,000	33,000	44,000	70,400	92,400	136,400	180,400	224,400	312,400
Projected Volume	2,930,239	2,941,239	2,952,239	2,963,239	2,989,639	3,011,639	3,055,639	3,099,639	3,143,639	3,231,639
Lakeshore										
Adjustment ¹	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
“Large Consumer”										
Adjustment ²	(106,785)	(106,785)	(106,785)	(106,785)	(106,785)	(106,785)	(106,785)	(106,785)	(106,785)	(106,785)
Total Adjusted										
Volume Forecast	2,824,964	2,835,964	2,846,964	2,857,964	2,884,364	2,906,364	2,950,364	2,994,364	3,038,364	3,126,364

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 2022 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 average usage of 220m³ 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)

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<u>Existing:</u>										
Tecumseh	2,092,981	2,092,981	2,092,981	2,092,981	2,092,981	2,092,981	2,092,981	2,092,981	2,092,981	2,092,981
"Large Consumer"	479,683	479,683	479,683	479,683	479,683	479,683	479,683	479,683	479,683	479,683
Growth	11,000	22,000	33,000	44,000	70,400	92,400	136,400	180,400	224,400	312,400
North Talbot Road Outlet Sewer Area	-	-	-	-	-	-	-	-	-	-
8 th Concession Road Outlet Sewer Area	-	23,980	39,600	39,600	39,600	39,600	44,000	44,000	44,000	47,740
Projected Volume	2,583,664	2,618,644	2,645,264	2,656,264	2,682,664	2,704,664	2,753,064	2,797,064	2,841,064	2,932,804
'Large Consumer' 1	(159,918)	(159,918)	(159,918)	(159,918)	(159,918)	(159,918)	(159,918)	(159,918)	(159,918)	(159,918)
Total Adjusted										
Volume Forecast	2,43,746	2,458,726	2,485,346	2,496,346	2,522,746	2,544,746	2,593,146	2,637,146	2,681,146	2,772,886

¹ Volumes 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 average usage of 220m³ 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 from accumulated reserves. 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 2022 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.

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 \$50.5M and \$90.1M respectively which is \$140.6M 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	Total Replacement Value	Value of Assets Replaced During Forecast Period ¹	Annual Lifecycle Requirement	EUL ² Lifecycle Requirement	Inflated EUL ² Lifecycle Requirement
Water					
Facilities	9,257,750	3,240,000	213,480	501,620	606,922
Vehicles	565,300	515,750	55,096	98,663	104,488
Watermains	152,757,200	8,423,000	1,917,780	4,136,760	5,895,466
Total Water	162,580,250	12,178,750	2,186,356	4,737,043	6,606,876
Wastewater					
Facilities	7,701,750	7,165,000	294,965	466,786	555,695
Vehicles	565,300	515,750	55,096	98,663	104,488
Sanitary Sewers	160,616,100	2,994,000	2,471,017	6,969,899	8,794,162
Total Wastewater	168,883,150	10,674,750	2,821,077	7,535,348	9,454,345
Total	331,463,400	22,853,500	5,007,433	12,272,391	16,061,221

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 both water and wastewater services. Reserve funds have been used to temporarily fund these deficits.

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 \$73.2M 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 2021 Actual	Ending Balance 2032 Forecast
Water Development Charges	\$ (487,984)	\$ (5,523,909)
Wastewater Development Charges	\$ (11,097,886)	\$ (14,869,020)

Total estimated DC revenue over the study period is \$22.3M, while total capital expenditures for the study period are estimated at \$73.5K, resulting in an increase to the deficit DC balances.

Water DCs show a small deficit balance beginning in 2023, which increases over the next 7 years which large spikes in 2024, 2026 & 2030 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 fluctuate throughout the study period. This deficit has been a result of an increase in the number of growth-related projects that have been undertaken in the last several years, combined with a prolonged period of minimal growth. Historically this deficit has been temporarily funded from the wastewater sewers reserve fund.

Internal financing is proposed to fund both water and wastewater growth projects over the forecast period due to the unfunded DC reserve fund balances. Refer to Appendix A-6 and B-6 for forecast 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 2022 Estimated	Ending Balance 2032 Forecast
Water:		
Watermains	\$ 6,877,853	\$ 17,702,878
Water Facilities	\$ 7,977,622	\$ 7,295,032
Water Vehicle	\$ -	\$ 104,688
Water Rate Stabilization	\$ 1,019,251	\$ 1,570,953
	<u>\$ 15,874,726</u>	<u>\$ 26,673,551</u>
Wastewater:		
Wastewater Sewers	\$ 2,419,886	\$ 22,692,313
Wastewater Facilities	\$ 3,080,898	\$ 569,326
Wastewater Vehicle	\$ -	\$ 135,750
Wastewater Rate Stabilization	\$ 407,813	\$ 798,616
	<u>\$ 5,908,597</u>	<u>\$ 24,196,005</u>

* 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. PWES Capital Priorities presentation was consulted when determining Lifecycle replacements.

Capital – Capital expenditures were identified in the Town's 2023-2027 PWES Five-year Capital Works Plan and the May 5th, 2022 PWES Capital Priorities 2023 – 2031 presentation, 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 PWES Capital Priorities presentation based on the projects found in the Water & Wastewater Master Plan.

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 previously announced the Ontario Community Infrastructure Fund (OCIF) grant funding program which will provide a total of \$400 million in assistance to small municipalities. In 2017, the Disaster Mitigation and Adaptation Fund was announced, with the goal of strengthening the resilience of Canadian communities through investments in large-scale

infrastructure projects, enabling them to better manage the risk associated with current and future natural hazards. The 2017 Budget earmarked \$2 billion over 10 years.

In late 2021, the Town applied to the Investing in Canada Infrastructure Program (ICIP). This is a federal-provincial infrastructure program designed to create long-term economic growth, build inclusive, sustainable and resilient communities, and support a low-carbon economy. The Green Stream Stage II 2021 intake prioritizes drinking water projects that address critical health and safety issues associated with water infrastructure under the Environmental Quality sub-stream.

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 \$69 million using 10-year debt, as shown in Appendix C. It is critical to bear in mind that debt must be repaid! Debt repayments can have a significant impact on taxes and rates and thus use of debt must 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	4.02 %
10 Year	3.96 %
15 Year	4.14 %
20 Year	4.25 %
25 Year	4.32 %
30 Year	4.34 %

* as of February 6, 2023

For the purpose of this Study, given the relatively healthy watermain & wastewater sanitary reserves, no issuances of debt are anticipated to be needed. 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	\$ 3,240,000	\$ 7,165,000	\$ 10,405,000
Vehicles	\$ 515,750	\$ 515,750	\$ 1,031,500
Mains/Sewers	\$ 8,423,000	\$ 2,994,000	\$ 11,417,000
	<u>\$ 12,178,750</u>	<u>\$ 10,674,750</u>	<u>\$ 22,853,500</u>
Capital	\$ 630,250	\$ 1,030,000	\$ 1,660,250
Oldcastle Hamlet Servicing	\$ 1,656,550	\$ 6,587,800	\$ 8,244,350
Sylvestre Industrial	\$ -	\$ 1,167,600	\$ 1,167,600
Growth (DC Study)	\$ 13,595,400	\$ 25,937,900	\$ 39,533,300
Total Expenditures	<u>\$ 28,060,950</u>	<u>\$ 45,398,050</u>	<u>\$ 73,459,000</u>
<u>Financing</u>			
Part XII Charges	\$ -	\$ 6,587,800	\$ 6,587,800
Development Charges	\$ 10,691,875	\$ 20,376,147	\$ 31,068,022
Debentures Issued	\$ -	\$ -	\$ -
Reserve Fund Transfers	\$ 17,369,075	\$ 18,434,103	\$ 35,803,178
	<u>\$ 28,060,950</u>	<u>\$ 45,398,050</u>	<u>\$ 73,459,000</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 2023 Approved Operating Budget. Generally, an inflationary factor of 3% annually from 2023 to 2027 and 2% annually thereafter 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

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Billable Consumption	2,450,556	2,461,556	2,472,556	2,483,556	2,509,956	2,531,956	2,575,956	2,619,956	2,663,956	2,751,956
'Large Consumer' (not discounted)	479,683	479,683	479,683	479,683	479,683	479,683	479,683	479,683	479,683	479,683
Sub-Total (Reference Table 4.1)	2,930,239	2,941,239	2,952,239	2,963,239	2,989,639	3,011,639	3,055,639	3,099,639	3,143,639	3,231,639
+ 11.5% for purchase to billing difference	336,977	338,242	339,507	340,772	343,808	346,338	351,398	356,458	361,518	371,638
Total Purchased Consumption	3,267,216	3,279,481	3,291,746	3,304,011	3,333,447	3,357,977	3,407,037	3,456,097	3,505,157	3,603,277
Windsor Rates ^{1,2}	0.4465	0.4599	0.4737	0.4880	0.5026	0.5126	0.5229	0.5334	0.5440	0.5549
Annual Cost of Water Purchases \$	1,458,971	1,508,382	1,559,444	1,612,212	1,675,372	1,721,455	1,781,538	1,843,335	1,906,891	1,999,476

¹ Actual average blended rates for 2022, 2021, and 2020 are \$0.4419, \$0.4204, and \$0.4383 respectively. The 3 year average of \$0.4335 was inflated by 3% to determine the 2023 starting point.

² Forecast rates inflated by 3% per year for first 5 years and 2% annually for the remaining years based on historical trends.

Note that an allowance of 11.5% has been used for the purchase to billing difference in volumes. Based on a water audit study prepared April 2019 by Veritec Consulting Inc., the level of Non-Revenue Water was quoted to be 12.4% for 2019. The Finance department has observed, however, that the non-billable portion varies from year to year. The average non-billable rate for the five years, 2018 to 2022 inclusive, is approximately 10.4% and thus an allowance of 11.5% has been used for this forecast.

As noted previously, given the relatively healthy watermain & wastewater sanitary reserves, no issuance of debt are anticipated to be needed for the purpose of this Study. 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.

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 3% annually from 2023 to 2027 and 2% annually thereafter was assumed on reserve fund balances.

8.2 Revenues

The first three years of the operating budget forecast revenues are based on the 2023 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. Generally, other non-rate revenues have been increased by 3% annually from 2023 to 2027 and 2% annually thereafter.

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 3% annually. 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	\$ 16,666,106	\$ 3,812,434	\$ 20,478,540
Office	\$ 354,904	\$ 67,162	\$ 422,066
Maintenance	\$ 4,162,605	\$ 1,641,754	\$ 5,804,359
Water Purchases	\$ 17,120,104	\$ -	\$ 17,120,104
Contracts	\$ 1,114,742	\$ 19,907,092	\$ 21,021,834
Other	\$ 1,614,063	\$ 2,380,238	\$ 3,994,301
Administration Charge	\$ 4,925,080	\$ 4,790,652	\$ 9,715,732
	<u>\$ 45,957,604</u>	<u>\$ 32,599,332</u>	<u>\$ 78,556,936</u>
Capital Related			
Debt Payments - Non-Growth	\$ -	\$ -	\$ -
Debt Payments - Landowners	\$ -	\$ 595,500	\$ 595,500
Debt Payments - Growth	\$ -	\$ -	\$ -
Debt Payments - Internal	\$ -	\$ -	\$ -
Transfer to Reserve Funds	\$ 24,880,742	\$ 31,148,294	\$ 56,029,036
	<u>\$ 24,880,742</u>	<u>\$ 31,743,794</u>	<u>\$ 56,624,536</u>
Total Expenditures	<u>\$ 70,838,346</u>	<u>\$ 64,343,126</u>	<u>\$ 135,181,472</u>
<u>Financing</u>			
Fixed Rate Recovery	\$ 26,758,726	\$ 24,095,341	\$ 50,854,068
Variable Rate Recovery	\$ 43,009,375	\$ 39,597,823	\$ 82,607,198
Property Owner Recovery	\$ -	\$ 595,500	\$ 595,500
Transfer from Reserve Funds	\$ -	\$ -	\$ -
Other	\$ 1,070,245	\$ 54,462	\$ 1,124,707
Total Financing	<u>\$ 70,838,346</u>	<u>\$ 64,343,126</u>	<u>\$ 135,181,472</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%-4% were targeted. Reserve transfers were aimed at \$2.5 - \$3 million each for watermains and wastewater sewers in order to move towards the EUL annual lifecycle requirements set out in Table 5.1.

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 2022 volumes. A summary is shown in Table 9.1 below.

Table 9.1
Scenario Comparison Summary

Scenario	Fixed		Variable		2024 Impact			2032 Impact		
	Water	Wastewater	Water	Wastewater	Avg Home	Non-Res.	Lrg. User	Avg Home	Non-Res.	Lrg. User
A	+ 3%	+ 3%	+ 3%	+ 3%	\$ 32	\$ 108	\$ 27,962	\$ 41	\$ 137	\$ 35,421
B	+ 4%	+ 4%	+ 4%	+ 4%	\$ 43	\$ 144	\$ 37,283	\$ 59	\$ 198	\$ 51,024
C	+ 3%	+ 3%	+ 2.5%	+ 2.5%	\$ 29	\$ 94	\$ 23,450	\$ 36	\$ 116	\$ 28,615
D	+ 3% yr 1-3; +2% yr 4->	+ 3% yr 1-3; +2% yr 4->	+ 3% yr 1-3; +2% yr 4->	+ 3% yr 1-3; +2% yr 4->	\$ 32	\$ 108	\$ 27,962	\$ 26	\$ 86	\$ 22,272

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

Scenario A – Fixed and variable rates were increased by 3%, which is the inflation factor used through the first 4 years of the study. The annual increase to the average household is minimal, ranging from \$32.46 in 2024 to \$41.12 by 2032. Non-residential customers would experience increases ranging from approximately \$108 – \$137. The transfer to the water and wastewater reserve of \$3.4M & \$3.5M respectively, by the end of the study period is adequate to meet our goal.

Scenario B – Fixed and variable rates were increased by 4%. The increase to the average household & non-residential customer compared to Scenario A was 25% higher (\$10.82 & \$36.09, respectively) in 2024, up to 30.58% (\$18.11 & \$60.42, respectively) in 2032. Large consumers annual cost is projected to increase by \$37.2K in 2024, up to \$51K in 2032. Transfers to the water and wastewater reserve of \$4.2M each, are well above our target transfers.

Scenario C – Water & Wastewater fixed and variable rates were increased annually by 3% and 2.5% respectively. The increase to the average household is approximately 2.71% throughout the study ranging from (\$29.33) in 2024 to (\$36.39) by 2024. Non-residential increases are in the range of 2.61% while the large consumers' are just over 2.52%. The transfer to water & wastewater reserves are adequate to meet our target at \$3.1 & \$3.2M respectively.

Scenario D – Water fixed and variable rates were increased annually by 3% for the first three years of the study, then reduced to an increase of 2% per year for the remainder of the study period. The increase to the average household ranges from \$32.46 in 2024, down to \$25.85 in 2032 as a result of the lower percentage increase. Non-residential increases range from \$108.28 in 2024 to 86.24 in 2032. Large consumers can expect an increase in the range of \$28K in 2024 to \$22.2K in 2032. The reserve fund transfers are very close to target by the end of the study period with this scenario.

Scenario A is the recommended approach based on the above qualitative and quantitative assessment. This option would achieve full cost recovery with estimated annual increases within our targeted range of 3% – 4.0% for all stakeholders. In addition, watermain and wastewater sewer reserve fund transfers would reach the target levels of between \$2.5 - \$3.0 million by the end of the study period in an effort to move towards EUL lifecycle requirements, i.e. “catch up”.

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** – The rate structure should not benefit or adversely affect one customer type over another.
- **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 A is the preferred choice (water/wastewater variable +3%; water/wastewater fixed +3%). This option promotes **Financial Sustainability** through full cost recovery of the water and wastewater systems. Annual increases are estimated at or less than 3% for all stakeholders ensuring **Affordability**. Finally, to maintain **Stabilization of Revenue** fixed rates would increase in line with variable rates to maintain the 40/60 split the Town has strived to achieve.

Proposed rates are as follows:

10.1 Water

**Table 10.1
Recommended Consumption Charges - Water**

	2023 Approved	2024	2025	2026	2027	2028	2029	2030	2031	2032
Under 10,200 m ³ /month	1.2747	1.3129	1.3523	1.3929	1.4347	1.4777	1.5221	1.5677	1.6148	1.6632
Over 10,200 m ³ /month	0.9214	0.9490	0.9775	1.0068	1.0370	1.0682	1.1002	1.1332	1.1672	1.2022
Annual % Change		3%	3%	3%	3%	3%	3%	3%	3%	3%

**Table 10.2
Recommended Fixed Charges - Water**

	2023 Approved	2024	2025	2026	2027	2028	2029	2030	2031	2032
5/5" and 3/4"	18.98	19.55	20.14	20.74	21.36	22.00	22.66	23.34	24.04	24.76
1"	32.93	33.92	34.94	35.98	37.06	38.17	39.32	40.50	41.71	42.97
1 1/2"	64.65	66.59	68.59	70.64	72.76	74.95	77.20	79.51	81.90	84.35
2"	96.32	99.21	102.19	105.25	108.41	111.66	115.01	118.46	122.02	125.68
3"	161.71	166.56	171.56	176.70	182.01	187.47	193.09	198.88	204.85	210.99
4"	261.02	268.85	276.92	285.22	293.78	302.59	311.67	321.02	330.65	340.57
6"	464.18	478.11	492.45	507.22	522.44	538.11	554.26	570.88	588.01	605.65
Annual % Change		3%	3%	3%	3%	3%	3%	3%	3%	3%

10.2 Wastewater

Table 10.3
Recommended Consumption Charges - Wastewater

	2023 Approved	2024	2025	2026	2027	2028	2029	2030	2031	2032
Under 10,200 m ³ /month	1.3355	1.3756	1.4168	1.4593	1.5031	1.5482	1.5947	1.6425	1.6918	1.7425
Over 10,200 m ³ /month	0.8902	0.9169	0.9444	0.9727	1.0019	1.0320	1.0629	1.0948	1.1277	1.1615
Annual % Change		3%	3%	3%	3%	3%	3%	3%	3%	3%

Table 10.4
Recommended Fixed Charges - Wastewater

	2023 Approved	2024	2025	2026	2027	2028	2029	2030	2031	2032
5/5" and 3/4"	18.98	19.55	20.14	20.74	21.36	22.00	22.66	23.34	24.04	24.76
1"	32.93	33.92	34.94	35.98	37.06	38.17	39.32	40.50	41.71	42.97
1 1/2"	64.65	66.59	68.59	70.64	72.76	74.95	77.20	79.51	81.90	84.35
2"	96.32	99.21	102.19	105.25	108.41	111.66	115.01	118.46	122.02	125.68
3"	161.71	166.56	171.56	176.70	182.01	187.47	193.09	198.88	204.85	210.99
4"	261.02	268.85	276.92	285.22	293.78	302.59	311.67	321.02	330.65	340.57
6"	464.18	478.11	492.45	507.22	522.44	538.11	554.26	570.88	588.01	605.65
Annual % Change		3%	3%	3%	3%	3%	3%	3%	3%	3%

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 2023 Water & Wastewater Rate Study.
2. Annual reports to Council be prepared recommending future rate increases based on the 2023 Water & Wastewater Rate Study and adjusted as necessary.
3. The 2023 Water & Wastewater Rate Study be posted on the Town's website.
4. The Water & Wastewater Rate Study be updated in no longer than five years.

Appendix A-2

Water Operating Budget Forecast
Inflated \$

Description	Budget 2023	Forecast									Total
		2024	2025	2026	2027	2028	2029	2030	2031	2032	
Expenditures											
<u>Operating Costs</u>											
Payroll Related Expenses	1,096,069	1,123,471	1,151,558	1,186,105	1,221,688	1,246,122	1,271,044	1,296,465	1,322,394	1,348,842	12,263,758
Benefits	392,675	402,938	413,508	425,913	438,691	447,464	456,414	465,542	474,853	484,350	4,402,348
Office Supplies & Equip Mtnc	6,100	6,100	6,100	6,283	6,471	6,601	6,733	6,868	7,005	7,145	65,406
Memberships	1,900	1,957	2,016	2,076	2,139	2,182	2,225	2,270	2,315	2,361	21,441
Professional Development	25,000	25,000	25,000	25,750	26,523	27,053	27,594	28,146	28,709	29,283	268,057
Maint. Materials & Supplies	184,012	189,532	195,217	201,074	207,106	211,248	215,473	219,782	224,178	228,661	2,076,282
Water Purchases (Table 8.1)	1,512,000	1,508,382	1,559,444	1,612,212	1,675,372	1,721,455	1,781,538	1,843,335	1,906,891	1,999,476	17,120,104
Maint. Services	190,020	191,096	195,500	201,365	207,406	211,554	215,785	220,101	224,503	228,993	2,086,323
Contract Services	103,965	103,965	103,965	107,084	110,296	112,502	114,752	117,047	119,388	121,776	1,114,742
Professional Services	26,700	26,700	26,700	27,501	28,326	28,893	29,470	30,060	30,661	31,274	286,285
Utilities	48,750	50,178	51,649	53,198	54,794	55,890	57,008	58,148	59,311	60,497	549,425
Insurance	50,100	51,603	53,151	54,746	56,388	57,516	58,666	59,839	61,036	62,257	565,301
Other	13,470	13,470	13,470	13,874	14,290	14,576	14,868	15,165	15,468	15,778	144,429
Bad Debt Expense	6,400	6,400	6,400	6,592	6,790	6,926	7,064	7,205	7,349	7,496	68,623
Administration Charge	439,131	450,710	462,635	476,515	490,810	500,626	510,639	520,851	531,269	541,894	4,925,080
Total Operating Costs	4,096,292	4,151,501	4,266,313	4,400,287	4,547,090	4,650,607	4,769,273	4,890,825	5,015,331	5,170,085	45,957,605
<u>Capital Related</u>											
Existing Debt - Recoverable from Landowners	-	-	-	-	-	-	-	-	-	-	-
Existing Debt - Other	-	-	-	-	-	-	-	-	-	-	-
New Non-Growth Related Debt	-	-	-	-	-	-	-	-	-	-	-
New Growth Related Debt	-	-	-	-	-	-	-	-	-	-	-
Transfer to Lifecycle Watermain Reserve Fund	1,747,036	1,794,591	1,887,502	1,977,448	2,095,793	2,254,664	2,468,690	2,693,428	2,929,332	3,282,258	23,130,742
Transfer to Lifecycle Facilities Reserve Fund	85,000	85,000	85,000	85,000	85,000	85,000	85,000	85,000	85,000	85,000	850,000
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	1,922,036	1,969,591	2,062,502	2,152,448	2,270,793	2,429,664	2,643,690	2,868,428	3,104,332	3,457,258	24,880,742
Total Expenditures	6,018,328	6,121,092	6,328,815	6,552,735	6,817,883	7,080,272	7,412,962	7,759,253	8,119,663	8,627,343	70,838,346
Revenues											
<u>Operating Revenue</u>											
Taxation - Watermains 10yr	-	-	-	-	-	-	-	-	-	-	-
Water Sales Lakeshore - Fixed	5,000	6,795	6,927	7,063	7,203	7,347	7,495	7,648	7,805	7,968	71,250
Water Oasis Revenue	30,000	30,000	30,000	30,900	31,827	32,464	33,113	33,775	34,451	35,140	321,669
Hydrant Rental	2,500	2,500	2,500	2,575	2,652	2,705	2,759	2,815	2,871	2,928	26,806
Work Orders	25,000	25,000	25,000	25,750	26,523	27,053	27,594	28,146	28,709	29,283	268,057
Miscellaneous Revenue	14,000	14,000	14,000	14,420	14,853	15,150	15,453	15,762	16,077	16,398	150,112
Interfunctional Rent	21,670	21,670	21,670	22,320	22,990	23,449	23,918	24,397	24,885	25,382	232,352
Total Operating Revenue	98,170	99,965	100,097	103,028	106,047	108,168	110,332	112,542	114,797	117,099	1,070,246
<u>Reserve Transfers</u>											
Transfer from Dev. Charges Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Transfer from Lifecycle Watermain Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Transfer from Lifecycle Facilities Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Transfer from Lifecycle Vehicle Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Transfer from Rate Stabilization Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Total Reserve Transfers	-	-	-	-	-	-	-	-	-	-	-
<u>Rate Revenue</u>											
Water Fixed Rate Recovery	2,189,000	2,297,674	2,378,686	2,468,852	2,573,679	2,677,293	2,812,003	2,952,386	3,098,662	3,310,492	26,758,726
Water Variable Rate Recovery	3,731,158	3,723,453	3,850,032	3,980,856	4,138,157	4,294,811	4,490,627	4,694,325	4,906,204	5,199,751	43,009,375
Total Rate Revenue Required for Full Cost Recovery	5,920,158	6,021,127	6,228,718	6,449,707	6,711,836	6,972,104	7,302,630	7,646,711	8,004,866	8,510,243	69,768,101
Total Revenues	6,018,328	6,121,092	6,328,815	6,552,735	6,817,883	7,080,272	7,412,962	7,759,253	8,119,663	8,627,343	70,838,346

Appendix A-3

Water Fixed Charges

Total Water	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	9,040	9,040	9,040	9,040	9,040	9,040	9,040	9,040	9,040	9,040	9,040
New	-	50	100	150	200	320	420	620	820	1,020	1,420
Total Customers	9,040	9,090	9,140	9,190	9,240	9,360	9,460	9,660	9,860	10,060	10,460
Total Annual Revenue	2,088,957	2,225,185	2,297,674	2,378,686	2,468,852	2,573,679	2,677,293	2,812,003	2,952,386	3,098,662	3,310,492

5/8" & 3/4"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	8,786	8,786	8,786	8,786	8,786	8,786	8,786	8,786	8,786	8,786	8,786
New	-	50	100	150	200	320	420	620	820	1,020	1,420
Total Customers	8,786	8,836	8,886	8,936	8,986	9,106	9,206	9,406	9,606	9,806	10,206
Monthly Base Charge	17.91	18.98	19.55	20.14	20.74	21.36	22.00	22.66	23.34	24.04	24.76
Annual Base Charge	214.92	227.76	234.59	241.63	248.88	256.35	264.04	271.96	280.12	288.52	297.18
Total Annual Revenue	1,888,287	2,012,487	2,084,592	2,159,211	2,236,431	2,334,286	2,430,718	2,558,031	2,690,795	2,829,223	3,032,969

1"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	121	121	121	121	121	121	121	121	121	121	121
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	121	121	121	121	121	121	121	121	121	121	121
Monthly Base Charge	31.08	32.93	33.92	34.94	35.98	37.06	38.17	39.32	40.50	41.71	42.97
Annual Base Charge	372.96	395.16	407.01	419.23	431.80	444.76	458.10	471.84	486.00	500.58	515.59
Total Annual Revenue	45,128	47,814	49,249	50,726	52,248	53,815	55,430	57,093	58,806	60,570	62,387

1 1/2"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	25	25	25	25	25	25	25	25	25	25	25
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	25	25	25	25	25	25	25	25	25	25	25
Monthly Base Charge	60.99	64.65	66.59	68.59	70.64	72.76	74.95	77.20	79.51	81.90	84.35
Annual Base Charge	731.88	775.80	799.07	823.05	847.74	873.17	899.36	926.35	954.14	982.76	1,012.24
Total Annual Revenue	18,297	19,395	19,977	20,576	21,193	21,829	22,484	23,159	23,853	24,569	25,306

2"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	97	97	97	97	97	97	97	97	97	97	97
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	97	97	97	97	97	97	97	97	97	97	97
Monthly Base Charge	90.86	96.32	99.21	102.19	105.25	108.41	111.66	115.01	118.46	122.02	125.68
Annual Base Charge	1,090.32	1,155.84	1,190.52	1,226.23	1,263.02	1,300.91	1,339.94	1,380.13	1,421.54	1,464.18	1,508.11
Total Annual Revenue	105,761	112,116	115,480	118,944	122,513	126,188	129,974	133,873	137,889	142,026	146,287

3"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	5	5	5	5	5	5	5	5	5	5	5
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	5	5	2	2	5	5	5	5	5	5	5
Monthly Base Charge	152.57	161.71	166.56	171.56	176.70	182.01	187.47	193.09	198.88	204.85	210.99
Annual Base Charge	1,830.84	1,940.52	1,998.74	2,058.70	2,120.46	2,184.07	2,249.59	2,317.08	2,386.59	2,458.19	2,531.94
Total Annual Revenue	9,154	9,703	3,997	4,117	10,602	10,920	11,248	11,585	11,933	12,291	12,660

4"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	4	4	4	4	4	4	4	4	4	4	4
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	4	4	4	4	4	4	4	4	4	4	4
Monthly Base Charge	246.25	261.02	268.85	276.92	285.22	293.78	302.59	311.67	321.02	330.65	340.57
Annual Base Charge	2,955.00	3,132.24	3,226.21	3,322.99	3,422.68	3,525.36	3,631.12	3,740.06	3,852.26	3,967.83	4,086.86
Total Annual Revenue	11,820	12,529	12,905	13,292	13,691	14,101	14,524	14,960	15,409	15,871	16,347

6"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	2	2	2	2	2	2	2	2	2	2	2
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	2	2	2	2	2	2	2	2	2	2	2
Monthly Base Charge	437.90	464.18	478.11	492.45	507.22	522.44	538.11	554.26	570.88	588.01	605.65
Annual Base Charge	5,254.80	5,570.16	5,737.26	5,909.38	6,086.66	6,269.26	6,457.34	6,651.06	6,850.59	7,056.11	7,267.80
Total Annual Revenue	10,510	11,140	11,475	11,819	12,173	12,539	12,915	13,302	13,701	14,112	14,536

Appendix A-3 Continued

Water Fixed Charges - Lakeshore Customers

Total Water	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	22	22	22	22	22	22	22	22	22	22	22
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	22	22	22	22	22	22	22	22	22	22	22
Total Annual Revenue	6,549	6,667	6,795	6,927	7,063	7,203	7,347	7,495	7,648	7,805	7,968

Area A:

2"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	1	1	1	1	1	1	1	1	1	1	1
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	1	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	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	600.00
Total Annual Revenue	600	600	600	600	600	600	600	600	600	600	600

4"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	1	1	1	1	1	1	1	1	1	1	1
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	1	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	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	600.00
Total Annual Revenue	600	600	600	600	600	600	600	600	600	600	600

Area B:

5/8" & 3/4"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	17	17	17	17	17	17	17	17	17	17	17
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	17	17	17	17	17	17	17	17	17	17	17
Monthly Base Charge	17.91	18.98	19.55	20.14	20.74	21.36	22.00	22.66	23.34	24.04	24.76
Annual Base Charge	214.92	227.76	234.59	241.63	248.88	256.35	264.04	271.96	280.12	288.52	297.18
Total Annual Revenue	3,654	3,872	3,988	4,108	4,231	4,358	4,489	4,623	4,762	4,905	5,052

1"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	1	1	1	1	1	1	1	1	1	1	1
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	1	1	1	1	1	1	1	1	1	1	1
Monthly Base Charge	31.08	32.93	33.92	34.94	35.98	37.06	38.17	39.32	40.50	41.71	42.97
Annual Base Charge	372.96	395.16	407.01	419.23	431.80	444.76	458.10	471.84	486.00	500.58	515.59
Total Annual Revenue	496	395	407	419	432	445	458	472	486	501	516

Area D:

6"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	1	1	1	1	1	1	1	1	1	1	1
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	1	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	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	600.00
Total Annual Revenue	600	600	600	600	600	600	600	600	600	600	600

Area E:

4"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	1	1	1	1	1	1	1	1	1	1	1
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	1	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	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	600.00
Total Annual Revenue	600	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.
 Area B - 100% of the Town of Tecumseh prevailing rate for consumption and fixed charges.
 Area D - 130% of the Town of Tecumseh prevailing rate for consumption and \$50 for fixed charges.
 Area E - 130% of the Town of Tecumseh prevailing rate for consumption and \$50 for fixed charges.

Rate Codes 153
 Rate Codes 140 CP, 152 CP, 157B, 177
 Rate Codes 156
 Rate Codes 155

Appendix A-4

**Water Capital Budget Forecast
Inflated \$**

DESCRIPTION	TOTAL	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Lifecycle											
Facilities	3,240,000	-	40,000	120,000	-	60,000	40,000	-	1,300,000	1,680,000	-
Vehicles	515,750	57,500	22,500	-	25,000	105,000	45,000	-	57,500	67,500	135,750
Mains											
Hwy#3/Walker Rd Water Valve Replacement	431,000	431,000									
CR42/43 Const. including 12th&Banwell Watermains (Phase 1)	3,227,000	3,227,000									
CR42/43 Const. including 12th&Banwell Watermains (Phase 2)	1,010,000		1,010,000								
12th Concession Watermain Replacement	255,000	255,000									
Centennial & Woodridge Watermain Replacement	3,500,000	200,000		3,300,000							
Year 2032 + works	-										
Oldcastle Hamlet											
Delduca Drive watermain replacement (8th Conc)	27,350		27,350								
County Rd 46/Webster Drive (8th Conc)	1,629,200	50,000	1,579,200								
Other Capital											
Rate Study	-										
Tecumseh Hamlet SPA EA FSR - Study	30,000	30,000									
North Tecumseh Water Distribution Model - Study	70,000	70,000									
Tools/equipment	218,250	19,050	19,600	20,200	20,800	21,400	22,100	22,700	23,400	24,100	24,900
Meter purchases	195,000	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000
ERT installation	117,000	9,000	9,600	10,200	10,800	11,400	12,000	12,600	13,200	13,800	14,400
Growth (DC Study)											
Water Masterplan update	100,000			100,000							
West Tecumseh Trunk Watermain (W-1)	4,073,400	300,000	2,830,050	943,350							
MRSPA Watermain (W-2A)	560,000							150,000		410,000	
CR19 Improvements Ph1: CR22 to Jamsyl (W-2B)	972,000	50,000	922,000								
CR19 Improvements Ph2: Jamsyl to CPR (W-2B)	2,730,000		180,000		2,550,000						
CR19 Improvements Ph3: @ CPR (W-2B & W-5A)	2,100,000			45,000		475,000			1,580,000		
CR19 Improvements Ph4: CPR to CR42 (W-5A)	60,000				60,000						
W. Tecumseh Watermain from CP Rail to CR42 (W-4)	3,000,000						200,000		2,800,000		
TOTAL CAPITAL EXPENDITURES	28,060,950	4,713,550	6,656,300	4,555,750	2,684,600	691,800	339,100	206,300	5,796,100	2,218,400	199,050
Capital Financing											
Provincial/Federal Grants	-										
Non-Growth Related Debenture Requirements	-										
Growth Related Debenture Requirements	-										
Transfer from Watermain Reserve Fund (Growth related)	2,903,524	53,713	632,769	246,456	522,000	95,000	31,839	150,000	761,747	410,000	-
Transfer from Development Charges Reserve Fund	10,691,875	296,287	3,299,281	841,894	2,088,000	380,000	168,161	-	3,618,253	-	-
Transfer from Watermain Reserve Fund	10,709,801	4,306,051	2,661,750	3,347,400	49,600	51,800	54,100	56,300	58,600	60,900	63,300
Transfer from Facilities Reserve Fund	3,240,000	-	40,000	120,000	-	60,000	40,000	-	1,300,000	1,680,000	-
Transfer from Vehicle Reserve Fund	515,750	57,500	22,500	-	25,000	105,000	45,000	-	57,500	67,500	135,750
Transfer from Rate Stabilization Reserve Fund	-										
TOTAL CAPITAL FINANCING	28,060,950	4,713,551	6,656,300	4,555,750	2,684,600	691,800	339,100	206,300	5,796,100	2,218,400	199,050

**Appendix A-6
Water Reserve Funds**

Water Development Charges Reserve Fund Continuity

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Opening Balance	(487,984)	(399,135)	(3,301,726)	(3,735,028)	(5,402,180)	(5,246,428)	(4,917,867)	(4,263,234)	(7,213,761)	(6,532,680)
DC Proceeds	385,136	396,690	408,591	420,849	535,751	496,722	654,633	667,726	681,081	1,008,771
Transfer to Capital	296,287	3,299,281	841,894	2,088,000	380,000	168,161	-	3,618,253	-	-
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	(399,135)	(3,301,726)	(3,735,028)	(5,402,180)	(5,246,428)	(4,917,867)	(4,263,234)	(7,213,761)	(6,532,680)	(5,523,909)
Interest	-	-	-	-	-	-	-	-	-	-
Closing Balance	(399,135)	(3,301,726)	(3,735,028)	(5,402,180)	(5,246,428)	(4,917,867)	(4,263,234)	(7,213,761)	(6,532,680)	(5,523,909)

Watermain Reserve Fund Continuity

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Opening Balance	6,877,853	4,402,682	2,990,808	1,344,270	2,777,003	4,781,536	7,045,892	9,449,199	11,511,265	14,199,922
Transfer from Operating	1,747,036	1,794,591	1,887,502	1,977,448	2,095,793	2,254,664	2,468,690	2,693,428	2,929,332	3,282,258
Transfer to Capital	4,306,051	2,661,750	3,347,400	49,600	51,800	54,100	56,300	58,600	60,900	63,300
Transfer to Capital (Growth related)	53,713	632,769	246,456	522,000	95,000	31,839	150,000	761,747	410,000	-
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	4,265,125	2,902,754	1,284,454	2,750,118	4,725,996	6,950,261	9,308,282	11,322,281	13,969,697	17,418,880
Interest	137,557	88,054	59,816	26,885	55,540	95,631	140,918	188,984	230,225	283,998
Closing Balance	4,402,682	2,990,808	1,344,270	2,777,003	4,781,536	7,045,892	9,449,199	11,511,265	14,199,922	17,702,878

Water Facilities Reserve Fund Continuity

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Opening Balance	7,977,622	8,222,174	8,431,618	8,565,250	8,821,555	9,022,986	9,248,446	9,518,415	8,493,783	7,068,659
Transfer from Operating	85,000	85,000	85,000	85,000	85,000	85,000	85,000	85,000	85,000	85,000
Transfer to Capital	-	40,000	120,000	-	60,000	40,000	-	1,300,000	1,680,000	-
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	8,062,622	8,267,174	8,396,618	8,650,250	8,846,555	9,067,986	9,333,446	8,303,415	6,898,783	7,153,659
Interest	159,552	164,443	168,632	171,305	176,431	180,460	184,969	190,368	169,876	141,373
Closing Balance	8,222,174	8,431,618	8,565,250	8,821,555	9,022,986	9,248,446	9,518,415	8,493,783	7,068,659	7,295,032

Water Vehicle Reserve Fund Continuity

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Opening Balance	-	2,500	40,050	100,851	137,868	95,625	112,538	174,789	180,784	176,900
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	57,500	22,500	-	25,000	105,000	45,000	-	57,500	67,500	135,750
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	2,500	40,000	100,050	135,851	92,868	110,625	172,538	177,289	173,284	101,150
Interest	-	50	801	2,017	2,757	1,913	2,251	3,496	3,616	3,538
Closing Balance	2,500	40,050	100,851	137,868	95,625	112,538	174,789	180,784	176,900	104,688

Water Rate Stabilization Reserve Fund Continuity

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Opening Balance	1,019,251	1,069,636	1,121,029	1,173,449	1,226,918	1,281,457	1,337,086	1,393,828	1,451,704	1,510,738
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	1,049,251	1,099,636	1,151,029	1,203,449	1,256,918	1,311,457	1,367,086	1,423,828	1,481,704	1,540,738
Interest	20,385	21,393	22,421	23,469	24,538	25,629	26,742	27,877	29,034	30,215
Closing Balance	1,069,636	1,121,029	1,173,449	1,226,918	1,281,457	1,337,086	1,393,828	1,451,704	1,510,738	1,570,953

Appendix B-2

Wastewater Operating Budget Forecast
Inflated \$

Description	Budget 2023	Forecast									Total
		2024	2025	2026	2027	2028	2029	2030	2031	2032	
Expenditures											
<u>Operating Costs</u>											
Payroll Related Expenditures	256,791	263,211	269,791	277,885	286,221	291,946	297,785	303,740	309,815	316,011	2,873,196
Benefits	83,610	85,895	88,249	90,896	93,623	95,496	97,406	99,354	101,341	103,368	939,238
Office Supplies & Equipment Maintenance	1,000	1,000	1,000	1,030	1,061	1,082	1,104	1,126	1,148	1,171	10,722
Memberships	250	258	266	274	282	288	294	299	305	312	2,828
Professional Develop. & Growth	5,000	5,000	5,000	5,150	5,305	5,411	5,519	5,629	5,742	5,857	53,611
Maint. Materials & Supplies	34,000	35,020	36,071	37,153	38,268	39,033	39,814	40,610	41,422	42,251	383,642
Maintenance Service	111,500	114,845	118,291	121,840	125,495	128,005	130,565	133,176	135,840	138,557	1,258,113
Contract Services - WUC	1,500,000	1,595,921	1,649,173	1,706,019	1,772,775	1,821,791	1,883,922	1,947,810	2,013,500	2,106,220	17,997,131
Contract Services - Other	178,130	178,130	178,130	183,474	188,978	192,758	196,613	200,545	204,556	208,647	1,909,961
Professional Services	10,000	10,000	10,000	10,300	10,609	10,821	11,038	11,258	11,484	11,713	107,223
Utilities	33,000	33,990	35,010	36,060	37,142	37,885	38,643	39,416	40,204	41,008	372,357
Insurance	46,100	47,483	48,907	50,374	51,885	52,923	53,982	55,061	56,162	57,286	520,164
Grants & Donations	75,000	75,000	75,000	77,250	79,568	81,159	82,782	84,438	86,126	87,849	804,171
Other	49,550	49,550	49,550	51,037	52,568	53,619	54,691	55,785	56,901	58,039	531,289
Bad Debt Expense	4,200	4,200	4,200	4,326	4,456	4,545	4,636	4,729	4,823	4,920	45,034
Administration Charge	426,616	438,182	450,095	463,597	477,505	487,056	496,797	506,733	516,867	527,205	4,790,652
Total Operating Costs	2,814,747	2,937,685	3,018,733	3,116,666	3,225,741	3,303,816	3,395,588	3,489,709	3,586,237	3,710,412	32,599,332
<u>Capital Related</u>											
Non-Growth Related Debt	-	-	-	-	-	-	-	-	-	-	-
Non-Growth Related Debt-N. Talbot Rd Service Area	165,263	125,554	125,554	125,554	13,691	13,691	8,731	8,731	8,731	-	595,500
Growth Related Debt	-	-	-	-	-	-	-	-	-	-	-
Internal Debt	-	-	-	-	-	-	-	-	-	-	-
Transfer to Development Charge Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Transfer to Sanitary Sewer Reserve Fund	1,908,440	1,983,366	2,132,803	2,233,962	2,371,900	2,538,269	2,774,821	3,010,155	3,256,815	3,637,763	25,848,294
Transfer to Sanitary Sewer Facilities Reserve Fund	400,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,450,000
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	2,558,703	2,643,920	2,793,357	2,894,516	2,920,591	3,086,960	3,318,552	3,553,886	3,800,546	4,172,763	31,743,794
Total Expenditures	5,373,450	5,581,605	5,812,090	6,011,182	6,146,332	6,390,776	6,714,140	7,043,595	7,386,783	7,883,175	64,343,126
Revenues											
<u>Operating Revenue</u>											
Frontage Connection Fees	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous Revenue	5,000	5,000	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	54,462
Total Operating Revenue	5,000	5,000	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	54,462
<u>Part XII Recoveries</u>											
Property Owner Recovery-N. Talbot Rd Service Area	165,263	125,554	125,554	125,554	13,691	13,691	8,731	8,731	8,731	-	595,500
Total Part XII Recoveries	165,263	125,554	125,554	125,554	13,691	13,691	8,731	8,731	8,731	-	595,500
<u>Reserve Transfers</u>											
Transfer from Dev. Charges Reserve Fund-Debt Repay	-	-	-	-	-	-	-	-	-	-	-
Transfer from Sanitary Sewer Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Transfer from Sanitary Sewer Facilities Reserve Fund	-	-	-	-	-	-	-	-	-	-	-
Transfer from Vehicle Reserve	-	-	-	-	-	-	-	-	-	-	-
Transfer from Rate Stabilization	-	-	-	-	-	-	-	-	-	-	-
Total Reserve Transfers	-	-	-	-	-	-	-	-	-	-	-
<u>Rate Revenue</u>											
Wastewater Fixed Rate Recovery	1,718,000	2,068,913	2,160,218	2,237,469	2,335,354	2,431,818	2,564,604	2,697,565	2,836,196	3,045,204	24,095,341
Wastewater Variable Rate Recovery	3,485,187	3,382,138	3,521,317	3,643,009	3,791,982	3,939,802	4,135,178	4,331,503	4,535,886	4,831,822	39,597,823
Total Rate Revenue Required for Full Cost Recovery	5,203,187	5,451,051	5,681,536	5,880,478	6,127,336	6,371,621	6,699,782	7,029,068	7,372,082	7,877,026	63,693,165
Total Revenues	5,373,450	5,581,605	5,812,090	6,011,182	6,146,332	6,390,776	6,714,140	7,043,595	7,386,783	7,883,175	64,343,126

Appendix B-3

Wastewater Fixed Charges

Total Wastewater	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	8,132	8,132	8,132	8,132	8,132	8,132	8,132	8,132	8,132	8,132	8,132
New	-	50	209	330	380	500	600	820	1,020	1,220	1,637
Total Customers	8,132	8,182	8,341	8,462	8,512	8,632	8,732	8,952	9,152	9,352	9,769
Total Annual Revenue	1,850,471	1,972,440	2,068,913	2,160,218	2,237,469	2,335,354	2,431,818	2,564,604	2,697,565	2,836,196	3,045,204

5/8" & 3/4"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	7,962	7,962	7,962	7,962	7,962	7,962	7,962	7,962	7,962	7,962	7,962
New	-	50	209	330	380	500	600	820	1,020	1,220	1,637
Total Customers	7,962	8,012	8,171	8,292	8,342	8,462	8,562	8,782	8,982	9,182	9,599
Monthly Base Charge	17.91	18.98	19.55	20.14	20.74	21.36	22.00	22.66	23.34	24.04	24.76
Annual Base Charge	214.92	227.76	234.59	241.63	248.88	256.35	264.04	271.96	280.12	288.52	297.18
Total Annual Revenue	1,711,193	1,824,813	1,916,858	2,003,601	2,076,153	2,169,199	2,260,678	2,388,329	2,516,003	2,649,187	2,852,584

1"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	77	77	77	77	77	77	77	77	77	77	77
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	77	77	77	77	77	77	77	77	77	77	77
Monthly Base Charge	31.08	32.93	33.92	34.94	35.98	37.06	38.17	39.32	40.50	41.71	42.97
Annual Base Charge	372.96	395.16	407.01	419.23	431.80	444.76	458.10	471.84	486.00	500.58	515.59
Total Annual Revenue	28,718	30,427	31,340	32,280	33,249	34,246	35,274	36,332	37,422	38,544	39,701

1 1/2"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	12	12	12	12	12	12	12	12	12	12	12
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	12	12	12	12	12	12	12	12	12	12	12
Monthly Base Charge	60.99	64.65	66.59	68.59	70.64	72.76	74.95	77.20	79.51	81.90	84.35
Annual Base Charge	731.88	775.80	799.07	823.05	847.74	873.17	899.36	926.35	954.14	982.76	1,012.24
Total Annual Revenue	8,783	9,310	9,589	9,877	10,173	10,478	10,792	11,116	11,450	11,793	12,147

2"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	72	72	72	72	72	72	72	72	72	72	72
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	72	72	72	72	72	72	72	72	72	72	72
Monthly Base Charge	90.86	96.32	99.21	102.19	105.25	108.41	111.66	115.01	118.46	122.02	125.68
Annual Base Charge	1,090.32	1,155.84	1,190.52	1,226.23	1,263.02	1,300.91	1,339.94	1,380.13	1,421.54	1,464.18	1,508.11
Total Annual Revenue	78,503	83,220	85,717	88,289	90,937	93,665	96,475	99,370	102,351	105,421	108,584

3"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	5	5	5	5	5	5	5	5	5	5	5
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	5	5	5	5	5	5	5	5	5	5	5
Monthly Base Charge	152.57	161.71	166.56	171.56	176.70	182.01	187.47	193.09	198.88	204.85	210.99
Annual Base Charge	1,830.84	1,940.52	1,998.74	2,058.70	2,120.46	2,184.07	2,249.59	2,317.08	2,386.59	2,458.19	2,531.94
Total Annual Revenue	9,154	9,703	9,994	10,293	10,602	10,920	11,248	11,585	11,933	12,291	12,660

4"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	3	3	3	3	3	3	3	3	3	3	3
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	3	3	3	3	3	3	3	3	3	3	3
Monthly Base Charge	246.25	261.02	268.85	276.92	285.22	293.78	302.59	311.67	321.02	330.65	340.57
Annual Base Charge	2,955.00	3,132.24	3,226.21	3,322.99	3,422.68	3,525.36	3,631.12	3,740.06	3,852.26	3,967.83	4,086.86
Total Annual Revenue	8,865	9,397	9,679	9,969	10,268	10,576	10,893	11,220	11,557	11,903	12,261

6"	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Existing	1	1	1	1	1	1	1	1	1	1	1
New	-	-	-	-	-	-	-	-	-	-	-
Total Customers	1	1	1	1	1	1	1	1	1	1	1
Monthly Base Charge	437.90	464.18	478.11	492.45	507.22	522.44	538.11	554.26	570.88	588.01	605.65
Annual Base Charge	5,254.80	5,570.16	5,737.26	5,909.38	6,086.66	6,269.26	6,457.34	6,651.06	6,850.59	7,056.11	7,267.80
Total Annual Revenue	5,255	5,570	5,737	5,909	6,087	6,269	6,457	6,651	6,851	7,056	7,268

Appendix B-4

**Wastewater Capital Budget Forecast
Inflated \$**

DESCRIPTION	TOTAL	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Lifecycle											
Facilities	7,165,000	-	125,000	1,000,000	3,010,000	3,030,000	-	-	-	-	-
Vehicles	515,750	57,500	22,500	-	25,000	105,000	45,000	-	57,500	67,500	135,750
Sewers	-										
CR42/43 Phase 1	2,994,000	2,994,000									
Other Capital											
Water/Wastewater Master Plan Update	100,000			100,000							
Lakewood Sanitary PS Improvements	70,000	70,000									
Scully & St. Mark's Storm PS/Riverside Drive	575,000	20,000		555,000							
Gauthier Sanitary Pump Station	30,000	30,000									
Public Works North Building Improvements	200,000	22,000	178,000								
MECP Consolidated Linear Infrastructure ECA - Study	25,000	25,000									
Tecumseh Hamlet SPA, EA FSR - Study	30,000	30,000									
Oldcastle Hamlet Servicing											
Delduca Drive Sanitary Sewer (8th Conc)	1,108,200	60,000	1,048,200								
Ure Street Sanitary Sewer (8th Conc)	1,600,000					44,000		1,556,000			
O'Neil Street (8th Conc)	1,900,000								150,000		
County Rd 46/Webster (8th Conc)	1,934,600	25,000	1,909,600								1,750,000
8th Concession Sanitary Sewer By-law	45,000	45,000									-
Sylvestre Industrial Area Servicing											
Sylvestre Drive Sanitary Sewer Extnesion	1,137,600				1,137,600						
Sylvestre Drive Sanitary PS Improvements	30,000	30,000									
Growth (DC Study)											
TSPA Northwest W & WW Infrastructure (WW-1 & WW-2)	9,887,900	720,000	6,875,925	2,291,975							
West Tecumseh Trunk Sewer from CP Rail to CR 42 (WW-6)	4,800,000						200,000		4,600,000		
CR42 Diversion Sanitary Sewer (WW-7)	2,500,000							300,000		2,200,000	
South Tecumseh Trunk Sewer, Odessa Drive to 11th Conc rd (WW-8A)	2,400,000						200,000		2,200,000		
MRSPA WW Infrastructure (WW-12 & WW-13)	2,490,000					350,000	2,140,000				
County Road 46 Trunk Sanitary Sewer (WW-16A & WW-16B)	3,860,000						150,000		3,710,000		
TOTAL CAPITAL EXPENDITURES	45,398,050	4,128,500	10,159,225	3,946,975	4,522,600	3,179,000	2,735,000	1,856,000	10,717,500	2,267,500	1,885,750
Capital Financing											
Provincial / Federal Grants	-										
Part XII Recoveries	6,587,800	130,000	2,957,800	-	-	44,000	-	1,556,000	150,000	-	1,750,000
Transfer from Development Charge Reserve Fund	20,376,147	556,560	5,315,090	1,771,697	350,000	-	2,619,500	60,000	9,263,300	440,000	-
Non-Growth Related Debenture Requirements - Oldcastle	-										
Non-Growth Related Debenture Requirements	-										
Growth Related Debenture Requirements	-										
Transfer from Wastewater Sewers Reserve Fund	10,753,353	3,384,440	1,738,835	1,175,278	1,137,600	-	70,500	240,000	1,246,700	1,760,000	-
Transfer from Facilities Reserve Fund	7,165,000	-	125,000	1,000,000	3,010,000	3,030,000	-	-	-	-	-
Transfer from Vehicle Reserve Fund	515,750	57,500	22,500	-	25,000	105,000	45,000	-	57,500	67,500	135,750
Transfer from Rate Stabilization Reserve Fund	-										
TOTAL CAPITAL FINANCING	45,398,050	4,128,500	10,159,225	3,946,975	4,522,600	3,179,000	2,735,000	1,856,000	10,717,500	2,267,500	1,885,750

Appendix B-6
Wastewater Reserve Funds

Wastewater Development Charges Reserve Fund Continuity

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Opening Balance	(11,097,886)	(10,537,169)	(14,701,465)	(15,287,843)	(14,416,964)	(12,848,334)	(14,016,768)	(12,146,537)	(19,441,001)	(17,872,789)
DC Proceeds	1,117,277	1,150,795	1,185,319	1,220,878	1,568,630	1,451,066	1,930,231	1,968,836	2,008,212	3,003,768
Transfer to Capital	556,560	5,315,090	1,771,697	350,000	-	2,619,500	60,000	9,263,300	440,000	-
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Transfer to Operating - Debt Repayment	-	-	-	-	-	-	-	-	-	-
Loan Repay to WW Sewers Reserve Fund	-	-	-	-	-	-	-	-	-	-
Net of Transfers	(10,537,169)	(14,701,465)	(15,287,843)	(14,416,964)	(12,848,334)	(14,016,768)	(12,146,537)	(19,441,001)	(17,872,789)	(14,869,020)
Interest	-	-	-	-	-	-	-	-	-	-
Closing Balance	(10,537,169)	(14,701,465)	(15,287,843)	(14,416,964)	(12,848,334)	(14,016,768)	(12,146,537)	(19,441,001)	(17,872,789)	(14,869,020)

Wastewater Sewers Reserve Fund Continuity

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Opening Balance	2,419,886	4,063,723	4,430,165	5,520,595	6,782,575	9,357,952	12,012,880	14,787,959	16,847,173	18,680,931
Transfer from Operating	1,908,440	1,983,366	2,132,803	2,233,962	2,371,900	2,538,269	2,774,821	3,010,155	3,256,815	3,637,763
Transfer to Capital	337,200	1,738,835	1,175,278	1,137,600	-	70,500	240,000	1,246,700	1,760,000	-
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	3,991,126	4,308,254	5,387,690	6,616,957	9,154,475	11,825,721	14,547,701	16,551,414	18,343,988	22,318,694
Interest	72,597	121,912	132,905	165,618	203,477	187,159	240,258	295,759	336,943	373,619
Closing Balance	4,063,723	4,430,165	5,520,595	6,782,575	9,357,952	12,012,880	14,787,959	16,847,173	18,680,931	22,692,313

Wastewater Facilities Reserve Fund Continuity

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Opening Balance	3,080,898	3,411,575	3,838,922	3,404,090	946,213	(1,605,401)	(1,187,509)	(761,259)	(326,484)	116,986
Transfer from Operating	400,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000
Transfer to Capital	161,750	125,000	1,000,000	3,010,000	3,030,000	-	-	-	-	-
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	3,319,148	3,736,575	3,288,922	844,090	(1,633,787)	(1,155,401)	(737,509)	(311,259)	123,516	566,986
Interest	92,427	102,347	115,168	102,123	28,386	32,108	23,750	15,225	6,530	2,340
Closing Balance	3,411,575	3,838,922	3,404,090	946,213	(1,605,401)	(1,187,509)	(761,259)	(326,484)	116,986	569,326

Wastewater Vehicle Reserve Fund Continuity

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Opening Balance	-	2,500	40,075	101,277	139,316	98,495	115,465	177,774	183,830	180,006
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	57,500	22,500	-	25,000	105,000	45,000	-	57,500	67,500	135,750
Transfer to Operating	-	-	-	-	-	-	-	-	-	-
Net of Transfers	2,500	40,000	100,075	136,277	94,316	113,495	175,465	180,274	176,330	104,256
Interest	-	75	1,202	3,038	4,179	1,970	2,309	3,555	3,677	3,600
Closing Balance	2,500	40,075	101,277	139,316	98,495	115,465	177,774	183,830	180,006	107,856
Required from Vehicle Reserve	57,500	22,500	-	25,000	105,000	45,000	-	57,500	67,500	135,750

Wastewater Rate Stabilization Reserve Continuity

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Opening Balance	407,813	445,047	483,398	522,900	563,587	605,495	642,605	680,457	719,066	758,448
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	432,813	470,047	508,398	547,900	588,587	630,495	667,605	705,457	744,066	783,448
Interest	12,234	13,351	14,502	15,687	16,908	12,110	12,852	13,609	14,381	15,169
Closing Balance	445,047	483,398	522,900	563,587	605,495	642,605	680,457	719,066	758,448	798,616

Appendix C

THE CORPORATION OF THE TOWN OF TECUMSEH
Annual Debt Repayment Limit Update Calculation
(see Ontario Regulation 403/02 Section 4)
As of March 3, 2022

	2022
Repayment limit per most recent MMAH calculation 1.0	\$ 7,636,419
Annual amount payable for long-term debt issued since last fiscal year end	

Note: no municipal debt issued in 2022

	2.0	\$	-
Annual amount payable for long-term debt discharged since last fiscal year end			
Sewer 2012		\$	697,000
Sewer 2017		\$	196,800
	3.0	\$	893,800

	Subtotal 4.0 = 1.0 - 2.0 + 3.0	\$	8,530,219
Annual amount payable for approved projects to be financed by long-term debt but not yet issued			

	5.0	\$	-
Estimated annual amount of principal & interest to be payable for debt per S 408 (4)			

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

	7.0	\$	-
Updated Debt Repayment Limit 8.0 = 4.0 - 5.0 - 6.0 - 7.0		\$	8,530,219

Tom Kitsos

Signed with ConsignO Cloud (2023/04/26)
Verify with verifio.com or Adobe Reader.



I, Tom Kitsos, Treasurer of the Corporation of the Town of Tecumseh do hereby certify this to be the Annual Debt Repayment Limit Update Calculation as at March 3, 2022

For Illustration Purposes:

Additional long term borrowing allowed # of repayment years	Assumed Borrowing Rate	Debt Availability
30	4.34%	\$141,601,636
20	4.25%	\$113,403,852
15	4.14%	\$93,920,542
10	3.96%	\$69,325,694
5	4.02%	\$37,953,693

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			
						\$1,660	\$1,059	\$821	\$0.77		\$5,051	\$3,220	\$2,497	\$2.22		
2023	23.00	23.00	5.00	50.00	411,760	\$38,180	\$24,357	\$4,103	\$318,497	\$385,136	\$116,173	\$74,060	\$12,483	\$914,561	\$1,117,277	
2024	23.00	23.00	5.00	50.00	411,760	\$39,325	\$25,088	\$4,226	\$328,052	\$396,690	\$119,658	\$76,282	\$12,857	\$941,998	\$1,150,795	
2025	23.00	23.00	5.00	50.00	411,760	\$40,505	\$25,840	\$4,352	\$337,893	\$408,591	\$123,248	\$78,570	\$13,243	\$970,258	\$1,185,319	
2026	23.00	23.00	5.00	50.00	411,760	\$41,720	\$26,616	\$4,483	\$348,030	\$420,849	\$126,945	\$80,927	\$13,640	\$999,366	\$1,220,878	
2027	55.00	54.00	11.00	120.00	411,760	\$102,759	\$64,363	\$10,158	\$358,471	\$535,751	\$312,672	\$195,703	\$30,908	\$1,029,346	\$1,568,630	
2028	46.00	45.00	9.00	100.00	411,760	\$84,308	\$52,615	\$8,153	\$351,646	\$496,722	\$256,529	\$159,981	\$24,807	\$1,009,749	\$1,451,066	
2029	92.00	90.00	18.00	200.00	411,760	\$171,988	\$107,335	\$16,632	\$358,679	\$654,633	\$523,319	\$326,362	\$50,606	\$1,029,944	\$1,930,231	
2030	92.00	90.00	18.00	200.00	411,760	\$175,427	\$109,481	\$16,965	\$365,853	\$667,726	\$533,785	\$332,889	\$51,618	\$1,050,543	\$1,968,836	
2031	92.00	90.00	18.00	200.00	411,760	\$178,936	\$111,671	\$17,304	\$373,170	\$681,081	\$544,461	\$339,547	\$52,651	\$1,071,554	\$2,008,212	
2032	184.00	180.00	36.00	400.00	411,760	\$365,029	\$227,809	\$35,301	\$380,633	\$1,008,771	\$1,110,700	\$692,676	\$107,408	\$1,092,985	\$3,003,768	
	46%	45%	9%	100%						\$5,655,950					\$16,605,013	
																\$22,260,962.85

Per info provided by the 2022 PWES Capital Priorities Presentation, the household growth forecast is comprised of a housing mix of:

- 46% low density
- 45% medium density
- 9% high density

Per 2022 PWES Capital Priorities Presentation, non-residential Gross Floor Area increase forecast to be 4,117,604.

4,117,604 / 10 years = 411,760

Appendix E-1

Sensitivity Analysis - Typical Residential Customer*

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

Scenario A		Base 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Fixed	+ 3%	\$ 227.76	\$ 234.59	\$ 241.63	\$ 248.88	\$ 256.35	\$ 264.04	\$ 271.96	\$ 280.12	\$ 288.52	\$ 297.18
Water Variable	+ 3%	\$ 305.93	\$ 315.11	\$ 324.56	\$ 334.30	\$ 344.32	\$ 354.65	\$ 365.29	\$ 376.25	\$ 387.54	\$ 399.17
Wastewater Fixed	+ 3%	\$ 227.76	\$ 234.59	\$ 241.63	\$ 248.88	\$ 256.35	\$ 264.04	\$ 271.96	\$ 280.12	\$ 288.52	\$ 297.18
Wastewater Variable	+ 3%	\$ 320.52	\$ 330.14	\$ 340.04	\$ 350.24	\$ 360.75	\$ 371.57	\$ 382.72	\$ 394.20	\$ 406.03	\$ 418.21
Total Annual Bill		\$ 1,081.97	\$ 1,114.43	\$ 1,147.86	\$ 1,182.30	\$ 1,217.76	\$ 1,254.30	\$ 1,291.93	\$ 1,330.68	\$ 1,370.60	\$ 1,411.72
Annual \$ Increase			\$ 32.46	\$ 33.43	\$ 34.44	\$ 35.47	\$ 36.53	\$ 37.63	\$ 38.76	\$ 39.92	\$ 41.12
Annual % Increase			3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Transfer to Watermain Reserve Fund (\$ million)			\$ 1.9	\$ 2.0	\$ 2.1	\$ 2.2	\$ 2.4	\$ 2.6	\$ 2.9	\$ 3.1	\$ 3.5
Transfer to Wastewater Reserve Fund (\$ million)			\$ 2.0	\$ 2.2	\$ 2.1	\$ 2.3	\$ 2.4	\$ 2.7	\$ 2.9	\$ 3.1	\$ 3.5

Scenario B		Base 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Fixed	+ 4%	\$ 227.76	\$ 236.87	\$ 246.35	\$ 256.20	\$ 266.45	\$ 277.10	\$ 288.19	\$ 299.72	\$ 311.71	\$ 324.17
Water Variable	+ 4%	\$ 305.93	\$ 318.17	\$ 330.89	\$ 344.13	\$ 357.89	\$ 372.21	\$ 387.10	\$ 402.58	\$ 418.68	\$ 435.43
Wastewater Fixed	+ 4%	\$ 227.76	\$ 236.87	\$ 246.35	\$ 256.20	\$ 266.45	\$ 277.10	\$ 288.19	\$ 299.72	\$ 311.71	\$ 324.17
Wastewater Variable	+ 4%	\$ 320.52	\$ 333.34	\$ 346.67	\$ 360.54	\$ 374.96	\$ 389.96	\$ 405.56	\$ 421.78	\$ 438.65	\$ 456.20
Total Annual Bill		\$ 1,081.97	\$ 1,125.25	\$ 1,170.26	\$ 1,217.07	\$ 1,265.75	\$ 1,316.38	\$ 1,369.03	\$ 1,423.80	\$ 1,480.75	\$ 1,539.98
Annual \$ Increase			\$ 43.28	\$ 45.01	\$ 46.81	\$ 48.68	\$ 50.63	\$ 52.66	\$ 54.76	\$ 56.95	\$ 59.23
Annual % Increase	0.25	\$ 10.82	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
* Variable rate adjusted (decreased) in year 1 to recover full cost; increased by 2% annually thereafter.											
Transfer to Watermain Reserve Fund (\$ million)			\$ 1.9	\$ 2.1	\$ 2.3	\$ 2.5	\$ 2.7	\$ 3.0	\$ 3.4	\$ 3.7	\$ 4.2
Transfer to Wastewater Reserve Fund (\$ million)			\$ 2.1	\$ 2.3	\$ 2.3	\$ 2.5	\$ 2.7	\$ 3.1	\$ 3.4	\$ 3.7	\$ 4.2

Scenario C		Base 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Fixed	+ 3%	\$ 227.76	\$ 234.59	\$ 241.63	\$ 248.88	\$ 256.35	\$ 264.04	\$ 271.96	\$ 280.12	\$ 288.52	\$ 297.18
Water Variable	+ 2.5%	\$ 305.93	\$ 313.58	\$ 321.42	\$ 329.45	\$ 337.69	\$ 346.13	\$ 354.78	\$ 363.65	\$ 372.74	\$ 382.06
Wastewater Fixed	+ 3%	\$ 227.76	\$ 234.59	\$ 241.63	\$ 248.88	\$ 256.35	\$ 264.04	\$ 271.96	\$ 280.12	\$ 288.52	\$ 297.18
Wastewater Variable	+ 2.5%	\$ 320.52	\$ 328.53	\$ 336.75	\$ 345.16	\$ 353.79	\$ 362.64	\$ 371.70	\$ 381.00	\$ 390.52	\$ 400.29
Total Annual Bill		\$ 1,081.97	\$ 1,111.29	\$ 1,141.42	\$ 1,172.37	\$ 1,204.17	\$ 1,236.84	\$ 1,270.40	\$ 1,304.88	\$ 1,340.31	\$ 1,376.70
Annual \$ Increase			\$ 29.33	\$ 30.13	\$ 30.95	\$ 31.80	\$ 32.67	\$ 33.56	\$ 34.48	\$ 35.42	\$ 36.39
Annual % Increase			2.71%	2.71%	2.71%	2.71%	2.71%	2.71%	2.71%	2.71%	2.72%
Transfer to Watermain Reserve Fund (\$ million)			\$ 1.8	\$ 1.9	\$ 1.9	\$ 2.0	\$ 2.2	\$ 2.3	\$ 2.5	\$ 2.7	\$ 3.1
Transfer to Wastewater Reserve Fund (\$ million)			\$ 2.0	\$ 2.0	\$ 2.1	\$ 2.2	\$ 2.3	\$ 2.5	\$ 2.7	\$ 3.0	\$ 3.3

Scenario D		Base 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Fixed	3% yr 1-3, 2% yr 4 ->	\$ 227.76	\$ 234.59	\$ 241.63	\$ 246.46	\$ 251.39	\$ 256.42	\$ 261.55	\$ 266.78	\$ 272.12	\$ 277.56
Water Variable	3% yr 1-3, 2% yr 4 ->	\$ 305.93	\$ 315.11	\$ 324.56	\$ 331.05	\$ 337.67	\$ 344.42	\$ 351.31	\$ 358.34	\$ 365.51	\$ 372.82
Wastewater Fixed	3% yr 1-3, 2% yr 4 ->	\$ 227.76	\$ 234.59	\$ 241.63	\$ 246.46	\$ 251.39	\$ 256.42	\$ 261.55	\$ 266.78	\$ 272.12	\$ 277.56
Wastewater Variable	3% yr 1-3, 2% yr 4 ->	\$ 320.52	\$ 330.14	\$ 340.04	\$ 346.84	\$ 353.78	\$ 360.85	\$ 368.07	\$ 375.43	\$ 382.94	\$ 390.60
Total Annual Bill		\$ 1,081.97	\$ 1,114.43	\$ 1,147.86	\$ 1,170.82	\$ 1,194.23	\$ 1,218.12	\$ 1,242.48	\$ 1,267.33	\$ 1,292.68	\$ 1,318.53
Annual \$ Increase			\$ 32.46	\$ 33.43	\$ 22.96	\$ 23.42	\$ 23.88	\$ 24.36	\$ 24.85	\$ 25.35	\$ 25.85
Annual % Increase			3.00%	3.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Transfer to Watermain Reserve Fund (\$ million)			\$ 1.8	\$ 1.9	\$ 2.0	\$ 2.0	\$ 2.1	\$ 2.3	\$ 2.4	\$ 2.6	\$ 2.8
Transfer to Wastewater Reserve Fund (\$ million)			\$ 2.0	\$ 2.1	\$ 2.1	\$ 2.1	\$ 2.2	\$ 2.4	\$ 2.6	\$ 2.7	\$ 3.0

* 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 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Fixed	+ 3%	\$ 395.16	\$ 407.01	\$ 419.23	\$ 431.80	\$ 444.76	\$ 458.10	\$ 471.84	\$ 486.00	\$ 500.58	\$ 515.59
Water Variable	+ 3%	\$ 1,376.68	\$ 1,417.98	\$ 1,460.52	\$ 1,504.33	\$ 1,549.46	\$ 1,595.94	\$ 1,643.82	\$ 1,693.14	\$ 1,743.93	\$ 1,796.25
Wastewater Fixed	+ 3%	\$ 395.16	\$ 407.01	\$ 419.23	\$ 431.80	\$ 444.76	\$ 458.10	\$ 471.84	\$ 486.00	\$ 500.58	\$ 515.59
Wastewater Variable	+ 3%	\$ 1,442.34	\$ 1,485.61	\$ 1,530.18	\$ 1,576.08	\$ 1,623.37	\$ 1,672.07	\$ 1,722.23	\$ 1,773.90	\$ 1,827.11	\$ 1,881.93
Total Annual Bill		\$ 3,609.34	\$ 3,717.62	\$ 3,829.14	\$ 3,944.02	\$ 4,062.34	\$ 4,184.21	\$ 4,309.74	\$ 4,439.03	\$ 4,572.20	\$ 4,709.36
Annual \$ Increase			\$ 108.28	\$ 111.53	\$ 114.87	\$ 118.32	\$ 121.87	\$ 125.53	\$ 129.29	\$ 133.17	\$ 137.17
Annual % Increase			3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

Scenario B		Base 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Fixed	+ 4%	\$ 395.16	\$ 410.97	\$ 427.41	\$ 444.50	\$ 462.28	\$ 480.77	\$ 500.00	\$ 520.00	\$ 540.80	\$ 562.44
Water Variable	+ 4%	\$ 1,376.68	\$ 1,431.74	\$ 1,489.01	\$ 1,548.57	\$ 1,610.52	\$ 1,674.94	\$ 1,741.93	\$ 1,811.61	\$ 1,884.08	\$ 1,959.44
Wastewater Fixed	+ 4%	\$ 395.16	\$ 410.97	\$ 427.41	\$ 444.50	\$ 462.28	\$ 480.77	\$ 500.00	\$ 520.00	\$ 540.80	\$ 562.44
Wastewater Variable	+ 4%	\$ 1,442.34	\$ 1,500.03	\$ 1,560.03	\$ 1,622.44	\$ 1,687.33	\$ 1,754.83	\$ 1,825.02	\$ 1,898.02	\$ 1,973.94	\$ 2,052.90
Total Annual Bill		\$ 3,609.34	\$ 3,753.71	\$ 3,903.86	\$ 4,060.01	\$ 4,222.41	\$ 4,391.31	\$ 4,566.96	\$ 4,749.64	\$ 4,939.63	\$ 5,137.21
Annual \$ Increase			\$ 36.09	\$ 144.37	\$ 150.15	\$ 156.15	\$ 162.40	\$ 168.90	\$ 175.65	\$ 182.68	\$ 189.99
Annual % Increase			0.25	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%

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

Scenario C		Base 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Fixed	+ 3%	\$ 395.16	\$ 407.01	\$ 419.23	\$ 431.80	\$ 444.76	\$ 458.10	\$ 471.84	\$ 486.00	\$ 500.58	\$ 515.59
Water Variable	+ 2.5%	\$ 1,376.68	\$ 1,411.09	\$ 1,446.37	\$ 1,482.53	\$ 1,519.59	\$ 1,557.58	\$ 1,596.52	\$ 1,636.44	\$ 1,677.35	\$ 1,719.28
Wastewater Fixed	+ 3%	\$ 395.16	\$ 407.01	\$ 419.23	\$ 431.80	\$ 444.76	\$ 458.10	\$ 471.84	\$ 486.00	\$ 500.58	\$ 515.59
Wastewater Variable	+ 2.5%	\$ 1,442.34	\$ 1,478.40	\$ 1,515.36	\$ 1,553.24	\$ 1,592.07	\$ 1,631.88	\$ 1,672.67	\$ 1,714.49	\$ 1,757.35	\$ 1,801.29
Total Annual Bill		\$ 3,609.34	\$ 3,703.52	\$ 3,800.18	\$ 3,899.38	\$ 4,001.18	\$ 4,105.66	\$ 4,212.88	\$ 4,322.92	\$ 4,435.85	\$ 4,551.75
Annual \$ Increase			\$ 94.19	\$ 96.66	\$ 99.20	\$ 101.80	\$ 104.48	\$ 107.22	\$ 110.04	\$ 112.93	\$ 115.90
Annual % Increase			2.61%	2.61%	2.61%	2.61%	2.61%	2.61%	2.61%	2.61%	2.61%

Scenario D		Base 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Fixed	3% yr 1-3, 2% yr 4 ->	\$ 395.16	\$ 407.01	\$ 419.23	\$ 427.61	\$ 436.16	\$ 444.89	\$ 453.78	\$ 462.86	\$ 472.12	\$ 481.56
Water Variable	3% yr 1-3, 2% yr 4 ->	\$ 1,376.68	\$ 1,417.98	\$ 1,460.52	\$ 1,489.73	\$ 1,519.52	\$ 1,549.91	\$ 1,580.91	\$ 1,612.53	\$ 1,644.78	\$ 1,677.67
Wastewater Fixed	3% yr 1-3, 2% yr 4 ->	\$ 395.16	\$ 407.01	\$ 419.23	\$ 427.61	\$ 436.16	\$ 444.89	\$ 453.78	\$ 462.86	\$ 472.12	\$ 481.56
Wastewater Variable	3% yr 1-3, 2% yr 4 ->	\$ 1,442.34	\$ 1,485.61	\$ 1,530.18	\$ 1,560.78	\$ 1,592.00	\$ 1,623.84	\$ 1,656.31	\$ 1,689.44	\$ 1,723.23	\$ 1,757.69
Total Annual Bill		\$ 3,609.34	\$ 3,717.62	\$ 3,829.14	\$ 3,905.73	\$ 3,983.84	\$ 4,063.52	\$ 4,144.79	\$ 4,227.69	\$ 4,312.24	\$ 4,398.48
Annual \$ Increase			\$ 108.28	\$ 111.53	\$ 76.58	\$ 78.11	\$ 79.68	\$ 81.27	\$ 82.90	\$ 84.55	\$ 86.24
Annual % Increase			3.00%	3.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%

* For illustrative purposes only

Appendix E-3

Sensitivity Analysis - Large Consumer*

Based on 2022 consumption volumes

Scenario A		Base 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Fixed	+ 3%	\$ 14,859.60	\$ 15,305.39	\$ 15,764.55	\$ 16,237.49	\$ 16,724.61	\$ 17,226.35	\$ 17,743.14	\$ 18,275.43	\$ 18,823.70	\$ 19,388.41
Water Variable	+ 3%	\$ 475,333.56	\$ 489,593.56	\$ 504,281.37	\$ 519,409.81	\$ 534,992.10	\$ 551,041.87	\$ 567,573.12	\$ 584,600.32	\$ 602,138.33	\$ 620,202.48
Wastewater Fixed	+ 3%	\$ 14,859.60	\$ 15,305.39	\$ 15,764.55	\$ 16,237.49	\$ 16,724.61	\$ 17,226.35	\$ 17,743.14	\$ 18,275.43	\$ 18,823.70	\$ 19,388.41
Wastewater Variable	+ 3%	\$ 427,012.92	\$ 439,823.30	\$ 453,018.00	\$ 466,608.54	\$ 480,606.80	\$ 495,025.00	\$ 509,875.75	\$ 525,172.03	\$ 540,927.19	\$ 557,155.00
Total Annual Bill		\$ 932,065.67	\$ 960,027.64	\$ 988,828.47	\$ 1,018,493.33	\$ 1,049,048.13	\$ 1,080,519.57	\$ 1,112,935.16	\$ 1,146,323.21	\$ 1,180,712.91	\$ 1,216,134.29
Annual \$ Increase		\$ 27,961.97	\$ 28,800.83	\$ 29,664.85	\$ 30,554.80	\$ 31,471.44	\$ 32,415.59	\$ 33,388.05	\$ 34,389.70	\$ 35,421.39	
Annual % Increase			3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

Scenario B		Base 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Fixed	+ 4%	\$ 14,859.60	\$ 15,453.98	\$ 16,072.14	\$ 16,715.03	\$ 17,383.63	\$ 18,078.98	\$ 18,802.13	\$ 19,554.22	\$ 20,336.39	\$ 21,149.84
Water Variable	+ 4%	\$ 475,333.56	\$ 494,346.90	\$ 514,120.77	\$ 534,685.61	\$ 556,073.03	\$ 578,315.95	\$ 601,448.59	\$ 625,506.53	\$ 650,526.79	\$ 676,547.87
Wastewater Fixed	+ 4%	\$ 14,859.60	\$ 15,453.98	\$ 16,072.14	\$ 16,715.03	\$ 17,383.63	\$ 18,078.98	\$ 18,802.13	\$ 19,554.22	\$ 20,336.39	\$ 21,149.84
Wastewater Variable	+ 4%	\$ 427,012.92	\$ 444,093.43	\$ 461,857.17	\$ 480,331.46	\$ 499,544.72	\$ 519,526.50	\$ 540,307.56	\$ 561,919.87	\$ 584,396.66	\$ 607,772.53
Total Annual Bill		\$ 932,065.67	\$ 969,348.30	\$ 1,008,122.23	\$ 1,048,447.12	\$ 1,090,385.01	\$ 1,134,000.41	\$ 1,179,360.42	\$ 1,226,534.84	\$ 1,275,596.23	\$ 1,326,620.08
Annual \$ Increase		\$ 37,282.63	\$ 38,773.93	\$ 40,324.89	\$ 41,937.88	\$ 43,615.40	\$ 45,360.02	\$ 47,174.42	\$ 49,061.39	\$ 51,023.85	
Annual % Increase			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%

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

Scenario C		Base 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Fixed	+ 3%	\$ 14,859.60	\$ 15,305.39	\$ 15,764.55	\$ 16,237.49	\$ 16,724.61	\$ 17,226.35	\$ 17,743.14	\$ 18,275.43	\$ 18,823.70	\$ 19,388.41
Water Variable	+ 2.5%	\$ 475,333.56	\$ 487,216.89	\$ 499,397.32	\$ 511,882.25	\$ 524,679.31	\$ 537,796.29	\$ 551,241.20	\$ 565,022.23	\$ 579,147.78	\$ 593,626.48
Wastewater Fixed	+ 3%	\$ 14,859.60	\$ 15,305.39	\$ 15,764.55	\$ 16,237.49	\$ 16,724.61	\$ 17,226.35	\$ 17,743.14	\$ 18,275.43	\$ 18,823.70	\$ 19,388.41
Wastewater Variable	+ 2.5%	\$ 427,012.92	\$ 437,688.24	\$ 448,630.45	\$ 459,846.21	\$ 471,342.36	\$ 483,125.92	\$ 495,204.07	\$ 507,584.17	\$ 520,273.77	\$ 533,280.62
Total Annual Bill		\$ 932,065.67	\$ 955,515.91	\$ 979,556.86	\$ 1,004,203.43	\$ 1,029,470.89	\$ 1,055,374.91	\$ 1,081,931.54	\$ 1,109,157.26	\$ 1,137,068.95	\$ 1,165,683.91
Annual \$ Increase		\$ 23,450.24	\$ 24,040.95	\$ 24,646.57	\$ 25,267.46	\$ 25,904.02	\$ 26,556.64	\$ 27,225.72	\$ 27,911.69	\$ 28,614.96	
Annual % Increase			2.52%	2.52%	2.52%	2.52%	2.52%	2.52%	2.52%	2.52%	2.52%

Scenario D		Base 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Fixed	3% yr 1-3, 2% yr 4 ->	\$ 14,859.60	\$ 15,305.39	\$ 15,764.55	\$ 16,079.84	\$ 16,401.44	\$ 16,729.47	\$ 17,064.06	\$ 17,405.34	\$ 17,753.44	\$ 18,108.51
Water Variable	3% yr 1-3, 2% yr 4 ->	\$ 475,333.56	\$ 489,593.56	\$ 504,281.37	\$ 514,367.00	\$ 524,654.34	\$ 535,147.42	\$ 545,850.37	\$ 556,767.38	\$ 567,902.73	\$ 579,260.78
Wastewater Fixed	3% yr 1-3, 2% yr 4 ->	\$ 14,859.60	\$ 15,305.39	\$ 15,764.55	\$ 16,079.84	\$ 16,401.44	\$ 16,729.47	\$ 17,064.06	\$ 17,405.34	\$ 17,753.44	\$ 18,108.51
Wastewater Variable	3% yr 1-3, 2% yr 4 ->	\$ 427,012.92	\$ 439,823.30	\$ 453,018.00	\$ 462,078.36	\$ 471,319.93	\$ 480,746.33	\$ 490,361.26	\$ 500,168.48	\$ 510,171.85	\$ 520,375.29
Total Annual Bill		\$ 932,065.67	\$ 960,027.64	\$ 988,828.47	\$ 1,008,605.04	\$ 1,028,777.14	\$ 1,049,352.68	\$ 1,070,339.74	\$ 1,091,746.53	\$ 1,113,581.46	\$ 1,135,853.09
Annual \$ Increase		\$ 27,961.97	\$ 28,800.83	\$ 29,664.85	\$ 30,554.80	\$ 31,471.44	\$ 32,415.59	\$ 33,388.05	\$ 34,389.70	\$ 35,421.39	
Annual % Increase			3.00%	3.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%

* 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	2023 Replacement Cost	Yearly Straightline Lifecycle	EUL ¹ Straightline Lifecycle	Inflated Replacement Cost ²	Inflated EUL Lifecycle ²
W1-18	Pickup	Dodge 3500 Cab and Service Body	2018	10	2028	5	\$ 55,000	\$ 5,500	\$ 5,500	\$ 60,724	\$ 5,546
W2-14	Pickup	Dodge 1500 Ext Cab	2013	10	2023	0	\$ 30,000	\$ 3,000	\$ 3,000	\$ 36,570	\$ 3,340
W3-14	Pickup	Ford F-450 Service Truck	2013	10	2023	0	\$ 115,000	\$ 11,500	\$ 11,500	\$ 140,184	\$ 12,803
W4-12	Pickup	GMC Sierra Ext Cab Service Truck	2011	10	2021	0	\$ 90,000	\$ 9,000	\$ 9,000	\$ 109,709	\$ 10,019
W4-20	Pickup	Ford F350 Service Truck	2021	10	2031	8	\$ 90,000	\$ 9,000	\$ 9,000	\$ 109,709	\$ 10,019
W5-16	Tandem Axle	International Tadem Axle	2015	10	2025	2	\$ 210,000	\$ 21,000	\$ 105,000	\$ 218,484	\$ 108,160
W6-20	Pickup	Ford F-450 Service Truck	2020	10	2030	7	\$ 115,000	\$ 11,500	\$ 11,500	\$ 132,099	\$ 12,064
W7-12	Service Body	Dodge 1500 Ext Cab	2011	10	2021	0	\$ 45,000	\$ 4,500	\$ 4,500	\$ 54,855	\$ 5,010
W8-17	Pickup	Didge Extended Cab 4x4	2017	10	2027	4	\$ 50,000	\$ 5,000	\$ 5,000	\$ 54,122	\$ 4,943
W9-??	Pickup	with Service Body	2022	10	2032	9	\$ 90,000	\$ 9,000	\$ 10,000	\$ 107,558	\$ 11,026
WE9-10	Backhoe	John Deere 310D Backhoe	2010	10	2020	0	\$ 150,000	\$ 15,000	\$ 15,000	\$ 182,849	\$ 16,699
WE10-04	Trailer	Utility Trailer	2004	8	2012	0	\$ 2,600	\$ 325	\$ 325	\$ 3,046	\$ 355
WE11-19	Trailer	Vac Trailer/Valve Turner	2019	15	2034	11	\$ 88,000	\$ 5,867	\$ 8,000	\$ 109,417	\$ 8,992
Totals							\$ 1,130,600	\$ 110,192	\$ 197,325	\$ 1,319,328	\$ 208,976
Allocation to Water 50%							\$ 565,300	\$ 55,096	\$ 98,663	\$ 659,664	\$ 104,488
Allocation to Wastewater 50%							\$ 565,300	\$ 55,096	\$ 98,663	\$ 659,664	\$ 104,488

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	2006	50	17	33	\$ 138,000	\$ 2,760	\$ 4,190	\$ 265,268	\$ 5,753
Metering Facility	Metering Facility SCADA	12030 Dillon Dr	2006	25	17	8	\$ 94,000	\$ 3,760	\$ 11,750	\$ 110,136	\$ 12,832
Metering Facility	200 mm Metering Facility (boundary meter)	12010 McNorton St.	2007	50	16	34	\$ 210,000	\$ 4,200	\$ 6,180	\$ 411,742	\$ 8,572
Metering Facility	Metering Facility SCADA	12010 McNorton St.	2007	25	16	9	\$ 94,000	\$ 3,760	\$ 10,450	\$ 112,339	\$ 11,516
Metering Facility	350 mm Metering Facility (boundary meter)	11805 Tecumseh Rd. E.	2006	50	17	33	\$ 151,000	\$ 3,020	\$ 4,580	\$ 290,257	\$ 6,295
Metering Facility	Metering Facility SCADA	11805 Tecumseh Rd. E.	2006	25	17	8	\$ 94,000	\$ 3,760	\$ 11,750	\$ 110,136	\$ 12,832
Metering Facility	500 mm Metering Facility (boundary meter)	11807 Mulberry Dr.	2006	50	17	33	\$ 176,000	\$ 3,520	\$ 5,340	\$ 338,313	\$ 7,337
Metering Facility	Metering Facility SCADA	11807 Mulberry Dr.	2006	25	17	8	\$ 94,000	\$ 3,760	\$ 11,750	\$ 110,136	\$ 12,832
Metering Facility	150 mm Metering Facility (boundary meter)	10005 County Road 42	2008	50	15	35	\$ 210,000	\$ 4,200	\$ 6,000	\$ 419,977	\$ 8,400
Metering Facility	Metering Facility SCADA	10005 County Road 42	2008	25	15	10	\$ 94,000	\$ 3,760	\$ 9,400	\$ 114,585	\$ 10,465
Metering Facility	150 mm Metering Facility (boundary meter)	9150 Baseline	2008	50	15	35	\$ 210,000	\$ 4,200	\$ 6,000	\$ 419,977	\$ 8,400
Metering Facility	Metering Facility SCADA	9150 Baseline	2008	25	15	10	\$ 94,000	\$ 3,760	\$ 9,400	\$ 114,585	\$ 10,465
Metering Facility	150 mm Metering Facility (boundary meter)	4970 8th Concession Road	2008	50	15	35	\$ 320,000	\$ 6,400	\$ 9,150	\$ 639,965	\$ 12,801
Metering Facility	Metering Facility SCADA	4970 8th Concession Road	2008	25	15	10	\$ 94,000	\$ 3,760	\$ 9,400	\$ 114,585	\$ 10,465
Metering Facility	200 mm Metering Facility (boundary meter)	3525 County Road 46	2007	50	16	34	\$ 210,000	\$ 4,200	\$ 6,180	\$ 411,742	\$ 8,572
Metering Facility	Metering Facility SCADA	3525 County Road 46	2007	25	16	9	\$ 94,000	\$ 3,760	\$ 10,450	\$ 112,339	\$ 11,516
Metering Facility	200 mm Metering Facility (boundary meter)	4850 Walker Road	2008	50	15	35	\$ 138,000	\$ 2,760	\$ 3,950	\$ 275,985	\$ 5,520
Metering Facility	Metering Facility SCADA	4850 Walker Road	2008	25	15	10	\$ 94,000	\$ 3,760	\$ 9,400	\$ 114,585	\$ 10,465
Metering Facility	200 mm Metering Facility (boundary meter)	1730 North Talbot Road	2008	50	15	35	\$ 210,000	\$ 4,200	\$ 6,000	\$ 419,977	\$ 8,400
Metering Facility	Metering Facility SCADA	1730 North Talbot Road	2008	25	15	10	\$ 94,000	\$ 3,760	\$ 9,400	\$ 114,585	\$ 10,465
Metering Facility	150 mm Metering Facility (boundary meter)	4800 County Road 9	2014	50	9	41	\$ 210,000	\$ 4,200	\$ 5,130	\$ 472,962	\$ 7,554
Metering Facility	Metering Facility SCADA	4800 County Road 9	2014	25	9	16	\$ 94,000	\$ 3,760	\$ 5,880	\$ 129,042	\$ 6,923
Water Tower	Water Tower Structure	N/S Tecumseh Rd. E.	1992	50	31	19	\$ 5,162,000	\$ 103,240	\$ 271,690	\$ 7,520,059	\$ 329,241
Water Tower	Water Tower SCADA	N/S Tecumseh Rd. E.	2007	25	16	9	\$ 94,000	\$ 3,760	\$ 10,450	\$ 112,339	\$ 11,516
Environmental Building ³	Equipment Garage Structure	1189 Lacasse Blvd.	1985	50	38	12	\$ 213,050	\$ 4,270	\$ 17,760	\$ 270,199	\$ 20,146
Environmental Building ³	Equipment Garage Roof	1189 Lacasse Blvd.	1985	20	38	0	\$ 92,750	\$ 4,640	\$ 4,640	\$ 137,822	\$ 6,891.08
Environmental Building ³	Equipment Garage HVAC	1189 Lacasse Blvd.	2007	20	16	4	\$ 6,800	\$ 340	\$ 1,700	\$ 7,361	\$ 1,786
Environmental Building ³	Office Structure	1189 Lacasse Blvd.	1996	50	27	23	\$ 379,950	\$ 7,600	\$ 16,520	\$ 599,143	\$ 20,771
Environmental Building ³	Office Roof	1189 Lacasse Blvd.	2016	20	7	13	\$ 51,450	\$ 2,580	\$ 3,960	\$ 66,556	\$ 4,534
Environmental Building ³	Office HVAC	1189 Lacasse Blvd.	2016	20	7	13	\$ 20,300	\$ 1,020	\$ 1,570	\$ 26,260	\$ 1,789
Environmental Building ³	Office HVAC 10 Ton Unit	1189 Lacasse Blvd.	2011	20	12	8	\$ 6,300	\$ 320	\$ 790	\$ 7,381	\$ 860
Environmental Building ³	Office Windows	1189 Lacasse Blvd.	2018	25	5	20	\$ 3,300	\$ 140	\$ 170	\$ 4,904	\$ 202
Environmental Building ³	Garage Exhaust System	1189 Lacasse Blvd.	2020	20	3	17	\$ 10,850	\$ 550	\$ 640	\$ 16,123	\$ 806.13
Totals							\$ 9,257,750	\$ 213,480	\$ 501,620	\$ 14,391,364	\$ 606,922

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											2021 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	42	38	\$ 21,800	\$ 9,000	\$ 30,800	\$ 390	\$ 820	\$ 65,367	\$ 1,165
8	Lacasse Blvd	PVC	DistMain	T141	150	2.1	1987	80	35	45	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 30	\$ 2,682	\$ 37
9	Dube Dr	PVC	DistMain	T140	150	2.3	1987	80	35	45	\$ 1,200	\$ -	\$ 1,200	\$ 20	\$ 30	\$ 2,925	\$ 41
10	Lacasse Blvd	PVC	DistMain	T141	150	4.2	1987	80	35	45	\$ 2,200	\$ -	\$ 2,200	\$ 30	\$ 50	\$ 5,363	\$ 75
11	Lacasse Blvd	PVC	DistMain	T141	150	103.1	1987	80	35	45	\$ 51,300	\$ -	\$ 51,300	\$ 650	\$ 1,140	\$ 125,062	\$ 1,740
12	Kimberly Dr	PVC	DistMain	T142	150	1.2	1987	80	35	45	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 1,706	\$ 24
13	Kimberly Dr	PVC	DistMain	T142	150	3.3	1987	80	35	45	\$ 1,700	\$ -	\$ 1,700	\$ 30	\$ 40	\$ 4,144	\$ 58
14	Kimberly Dr	PVC	DistMain	T142	150	101.5	1987	80	35	45	\$ 50,500	\$ 26,900	\$ 77,400	\$ 970	\$ 1,720	\$ 188,690	\$ 2,625
15	Kimberly Dr	PVC	DistMain	T144	150	19.7	1987	80	35	45	\$ 9,800	\$ 3,000	\$ 12,800	\$ 160	\$ 290	\$ 31,205	\$ 434
16	Kimberly Dr	PVC	DistMain	T144	150	31.4	1987	80	35	45	\$ 15,700	\$ 6,000	\$ 21,700	\$ 280	\$ 490	\$ 52,901	\$ 736
17	Dillon Dr	CON	Trunk	T023	400	350.9	1969	60	53	7	\$ 356,200	\$ 6,000	\$ 362,200	\$ 4,530	\$ 51,750	\$ 416,054	\$ 55,964
18	Lacasse Blvd	CON	Trunk	T065	400	2.5	1969	60	53	7	\$ 2,600	\$ -	\$ 2,600	\$ 40	\$ 380	\$ 2,987	\$ 402
20	Lesperance Rd	PVC	DistMain	T006	200	8.5	1999	80	23	57	\$ 5,100	\$ -	\$ 5,100	\$ 70	\$ 90	\$ 15,768	\$ 151
21	Lesperance Rd	PVC	Trunk	T022	300	57.1	2005	80	17	63	\$ 38,300	\$ 6,000	\$ 44,300	\$ 560	\$ 710	\$ 154,246	\$ 1,243
23	Lesperance Rd	PVC	Trunk	T022	300	14.2	2005	80	17	63	\$ 9,500	\$ -	\$ 9,500	\$ 120	\$ 160	\$ 33,078	\$ 267
25	Riverside Dr	PVC	DistMain	T007	200	2.9	2005	80	17	63	\$ 1,800	\$ 3,000	\$ 4,800	\$ 60	\$ 80	\$ 16,713	\$ 135
26	Riverside Dr	PVC	DistMain	T007	200	24.9	2005	80	17	63	\$ 14,700	\$ -	\$ 14,700	\$ 190	\$ 240	\$ 51,183	\$ 412
27	Riverside Dr	PVC	DistMain	T007	200	0.6	2005	80	17	63	\$ 400	\$ 3,000	\$ 3,400	\$ 50	\$ 60	\$ 11,838	\$ 95
28	Riverside Dr	PVC	DistMain	T007	200	0.6	1999	80	23	57	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,237	\$ 12
29	Riverside Dr	PVC	DistMain	T007	200	2.2	1999	80	23	57	\$ 1,300	\$ -	\$ 1,300	\$ 20	\$ 30	\$ 4,019	\$ 38
35	Riverside Dr	PVC	DistMain	T007	200	116.8	1999	80	23	57	\$ 68,800	\$ 26,900	\$ 95,700	\$ 1,200	\$ 1,680	\$ 295,884	\$ 2,829
36	Winclare Dr	PVC	DistMain	T002	150	0.5	1999	80	23	57	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 928	\$ 9
37	Winclare Dr	PVC	DistMain	T002	150	0.7	1999	80	23	57	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,237	\$ 12
38	Winclare Dr	PVC	DistMain	T002	150	1.8	1999	80	23	57	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 2,783	\$ 27
39	Riverside Dr	PVC	DistMain	T001	200	3.6	1999	80	23	57	\$ 2,200	\$ -	\$ 2,200	\$ 30	\$ 40	\$ 6,802	\$ 65
40	Riverside Dr	PVC	DistMain	T001	200	40.7	1999	80	23	57	\$ 24,000	\$ 6,000	\$ 30,000	\$ 380	\$ 530	\$ 92,754	\$ 887
41	Riverside Dr	PVC	DistMain	T001	200	0.6	1999	80	23	57	\$ 400	\$ 3,000	\$ 3,400	\$ 50	\$ 60	\$ 10,512	\$ 101
42	Winclare Dr	PVC	DistMain	T002	150	32.3	1993	80	29	51	\$ 16,100	\$ -	\$ 16,100	\$ 210	\$ 320	\$ 44,201	\$ 506
43	Winclare Dr	PVC	DistMain	T002	150	59.6	1993	80	29	51	\$ 29,700	\$ 35,900	\$ 65,600	\$ 820	\$ 1,290	\$ 180,100	\$ 2,064
44	Catalina Cove	PVC	DistMain	T004	150	82.9	1993	80	29	51	\$ 41,200	\$ 35,900	\$ 77,100	\$ 970	\$ 1,520	\$ 211,672	\$ 2,425
45	Riverside Dr	PVC	DistMain	T008	200	89.7	1999	80	23	57	\$ 52,900	\$ 18,000	\$ 70,900	\$ 890	\$ 1,250	\$ 219,208	\$ 2,096
46	Pinewood Cres	PVC	DistMain	T009	150	0.6	1999	80	23	57	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 928	\$ 9
47	Pinewood Cres	PVC	DistMain	T009	150	0.4	1999	80	23	57	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 928	\$ 9
48	Pinewood Cres	PVC	DistMain	T009	150	0.4	1999	80	23	57	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 928	\$ 9
49	Riverside Dr	PVC	DistMain	T010	200	4.4	1999	80	23	57	\$ 2,600	\$ -	\$ 2,600	\$ 40	\$ 50	\$ 8,039	\$ 77
50	Pinewood Cres	PVC	DistMain	T009	150	13.3	1989	80	33	47	\$ 6,600	\$ 3,000	\$ 9,600	\$ 120	\$ 210	\$ 24,349	\$ 317
51	Pinewood Cres	PVC	DistMain	T009	150	55.2	1989	80	33	47	\$ 27,500	\$ -	\$ 27,500	\$ 350	\$ 590	\$ 69,749	\$ 908
52	Pinewood Cres	PVC	DistMain	T009	150	89.7	1989	80	33	47	\$ 44,600	\$ 35,900	\$ 80,500	\$ 1,010	\$ 1,720	\$ 204,176	\$ 2,658
53	Riverside Dr	PVC	DistMain	T010	200	3.1	1999	80	23	57	\$ 1,900	\$ -	\$ 1,900	\$ 30	\$ 40	\$ 5,874	\$ 56
54	Riverside Dr	PVC	DistMain	T010	200	2.7	1999	80	23	57	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 30	\$ 4,947	\$ 47
55	Riverside Dr	PVC	DistMain	T011	200	64.6	1999	80	23	57	\$ 38,100	\$ 9,000	\$ 47,100	\$ 590	\$ 830	\$ 145,623	\$ 1,392
56	Riverside Dr	PVC	DistMain	T012	200	95.0	1999	80	23	57	\$ 56,000	\$ 29,900	\$ 85,900	\$ 1,080	\$ 1,510	\$ 265,585	\$ 2,539
57	Riverside Dr	PVC	DistMain	T012	200	26.3	1999	80	23	57	\$ 15,500	\$ 6,000	\$ 21,500	\$ 270	\$ 380	\$ 66,473	\$ 636
58	Riverside Dr	PVC	DistMain	T013	200	6.1	1999	80	23	57	\$ 3,700	\$ 3,000	\$ 6,700	\$ 90	\$ 120	\$ 20,715	\$ 198
59	Barry Ave	PVC	DistMain	T033	150	2.1	1999	80	23	57	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 20	\$ 3,401	\$ 33
60	Barry Ave	PVC	DistMain	T033	150	0.7	1999	80	23	57	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,237	\$ 12
61	Riverside Dr	PVC	DistMain	T013	200	74.0	1999	80	23	57	\$ 43,700	\$ 21,000	\$ 64,700	\$ 810	\$ 1,140	\$ 200,039	\$ 1,913
62	Riverside Dr	PVC	DistMain	T013	200	100.2	1999	80	23	57	\$ 59,100	\$ 29,900	\$ 89,000	\$ 1,120	\$ 1,570	\$ 275,169	\$ 2,631
63	Riverside Dr	PVC	DistMain	T013	200	61.5	1999	80	23	57	\$ 36,300	\$ 21,000	\$ 57,300	\$ 720	\$ 1,010	\$ 177,159	\$ 1,694
64	Riverside Dr	PVC	DistMain	T013	200	1.6	1999	80	23	57	\$ 1,000	\$ 3,000	\$ 4,000	\$ 50	\$ 80	\$ 12,367	\$ 118
65	Riverside Dr	PVC	DistMain	T014	200	1.5	1999	80	23	57	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 2,783	\$ 27

Appendix G-2
Watermain Inventory

GIS Database											2021 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	23	57	\$ 68,000	\$ 29,900	\$ 97,900	\$ 1,230	\$ 1,720	\$ 302,686	\$ 2,894
67	Riverside Dr	PVC	DistMain	T013	200	121.6	1999	80	23	57	\$ 71,700	\$ 29,900	\$ 101,600	\$ 1,270	\$ 1,790	\$ 314,126	\$ 3,003
68	Riverside Dr	PVC	DistMain	T014	200	99.9	1999	80	23	57	\$ 58,900	\$ 23,900	\$ 82,800	\$ 1,040	\$ 1,460	\$ 256,000	\$ 2,448
69	Riverside Dr	PVC	DistMain	T014	200	101.2	1999	80	23	57	\$ 59,700	\$ 29,900	\$ 89,600	\$ 1,120	\$ 1,580	\$ 277,024	\$ 2,649
70	Riverside Dr	PVC	DistMain	T014	200	6.9	1999	80	23	57	\$ 4,100	\$ -	\$ 4,100	\$ 60	\$ 80	\$ 12,676	\$ 121
71	Riverside Dr	PVC	DistMain	T014	200	134.9	1999	80	23	57	\$ 79,500	\$ 26,900	\$ 106,400	\$ 1,330	\$ 1,870	\$ 328,966	\$ 3,145
74	Shawnee Rd	PVC	DistMain	T284	200	5.5	1999	80	23	57	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 60	\$ 10,203	\$ 98
75	Riverside Dr	PVC	DistMain	T008	200	7.5	1999	80	23	57	\$ 4,400	\$ 3,000	\$ 7,400	\$ 100	\$ 130	\$ 22,879	\$ 219
76	St Pierre St	PVC	DistMain	T024	150	0.6	1999	80	23	57	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 928	\$ 9
77	St Pierre St	PVC	DistMain	T024	150	0.9	1999	80	23	57	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,546	\$ 15
78	St Pierre St	PVC	DistMain	T024	150	4.6	1999	80	23	57	\$ 2,300	\$ -	\$ 2,300	\$ 30	\$ 50	\$ 7,111	\$ 68
79	St Pierre St	PVC	DistMain	T024	150	6.4	1999	80	23	57	\$ 3,200	\$ -	\$ 3,200	\$ 40	\$ 60	\$ 9,894	\$ 95
80	Keith Ave	CI	DistMain	T069	150	90.9	1955	60	67	0	\$ 45,200	\$ 3,000	\$ 48,200	\$ 610	\$ 610	\$ 234,996	\$ 1,213
81	Keith Crt	CI	DistMain	T072	150	69.6	1985	60	37	23	\$ 34,700	\$ -	\$ 34,700	\$ 440	\$ 1,510	\$ 54,718	\$ 1,897
82	Chene St	PVC	DistMain	T020	150	2.5	1978	80	44	36	\$ 1,300	\$ -	\$ 1,300	\$ 20	\$ 40	\$ 2,652	\$ 51
83	Chene St	PVC	DistMain	T024	150	1.3	1999	80	23	57	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,164	\$ 21
84	Chene St	PVC	DistMain	T020	150	3.6	1999	80	23	57	\$ 1,800	\$ -	\$ 1,800	\$ 30	\$ 40	\$ 5,565	\$ 53
85	Chene St	PVC	DistMain	T020	150	13.6	1999	80	23	57	\$ 6,800	\$ -	\$ 6,800	\$ 90	\$ 120	\$ 21,024	\$ 201
86	Riverside Dr	PVC	DistMain	T006	200	97.3	1999	80	23	57	\$ 57,300	\$ 26,900	\$ 84,200	\$ 1,060	\$ 1,480	\$ 260,329	\$ 2,489
87	Catalina Cove	PVC	DistMain	T004	150	1.0	1999	80	23	57	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,546	\$ 15
88	Catalina Cove	PVC	DistMain	T004	150	0.7	1999	80	23	57	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,237	\$ 12
89	Catalina Cove	PVC	DistMain	T004	150	0.6	1999	80	23	57	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 928	\$ 9
90	Catalina Cove	PVC	DistMain	T004	150	0.5	1999	80	23	57	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 928	\$ 9
91	Riverside Dr	PVC	DistMain	T005	200	103.5	1999	80	23	57	\$ 61,000	\$ 18,000	\$ 79,000	\$ 990	\$ 1,390	\$ 244,251	\$ 2,335
92	Riverside Dr	PVC	DistMain	T005	200	5.9	1999	80	23	57	\$ 3,500	\$ -	\$ 3,500	\$ 50	\$ 70	\$ 10,821	\$ 103
93	Riverside Dr	PVC	DistMain	T003	200	82.8	1999	80	23	57	\$ 48,800	\$ 12,000	\$ 60,800	\$ 760	\$ 1,070	\$ 187,981	\$ 1,797
94	Lacasse Blvd	PVC	DistMain	T027	200	17.2	1999	80	23	57	\$ 10,200	\$ -	\$ 10,200	\$ 130	\$ 180	\$ 31,536	\$ 302
95	Lacasse Blvd	PVC	DistMain	T027	200	141.5	1999	80	23	57	\$ 83,400	\$ 12,000	\$ 95,400	\$ 1,200	\$ 1,680	\$ 294,957	\$ 2,820
96	Riverside Dr	PVC	DistMain	T012	200	3.3	1999	80	23	57	\$ 2,000	\$ -	\$ 2,000	\$ 30	\$ 40	\$ 6,184	\$ 59
97	Riverside Dr	PVC	DistMain	T011	200	98.6	1999	80	23	57	\$ 58,100	\$ 29,900	\$ 88,000	\$ 1,100	\$ 1,550	\$ 272,077	\$ 2,601
98	Lacasse Blvd	PVC	DistMain	T065	200	7.8	1999	80	23	57	\$ 4,600	\$ -	\$ 4,600	\$ 60	\$ 90	\$ 14,222	\$ 136
99	Lacasse Blvd	PVC	DistMain	T065	200	0.7	1999	80	23	57	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,237	\$ 12
100	Lacasse Blvd	PVC	DistMain	T065	200	1.0	1999	80	23	57	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,164	\$ 21
101	Lacasse Blvd	PVC	DistMain	T065	200	24.5	1999	80	23	57	\$ 14,500	\$ -	\$ 14,500	\$ 190	\$ 260	\$ 44,831	\$ 429
102	Lacasse Blvd	PVC	DistMain	T027	200	14.7	1999	80	23	57	\$ 8,700	\$ -	\$ 8,700	\$ 110	\$ 160	\$ 26,899	\$ 257
103	Dillon Dr	CI	DistMain	T028	150	0.6	1999	60	23	37	\$ 400	\$ -	\$ 400	\$ 10	\$ 20	\$ 832	\$ 15
104	Dillon Dr	CI	DistMain	T028	150	1.1	1999	60	23	37	\$ 600	\$ -	\$ 600	\$ 10	\$ 20	\$ 1,248	\$ 23
105	Dillon Dr	CI	DistMain	T028	150	0.6	1999	60	23	37	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 624	\$ 12
106	Dillon Dr	CI	DistMain	T026	150	0.6	1999	60	23	37	\$ 400	\$ -	\$ 400	\$ 10	\$ 20	\$ 832	\$ 15
107	Dillon Dr	CI	DistMain	T026	150	0.8	1999	60	23	37	\$ 500	\$ -	\$ 500	\$ 10	\$ 20	\$ 1,040	\$ 19
108	Dillon Dr	CI	DistMain	T026	150	14.1	1976	60	46	14	\$ 7,100	\$ -	\$ 7,100	\$ 90	\$ 510	\$ 9,368	\$ 586
109	Riverside Dr	PVC	DistMain	T010	200	113.7	1999	80	23	57	\$ 67,000	\$ 32,900	\$ 99,900	\$ 1,250	\$ 1,760	\$ 308,870	\$ 2,953
110	Riverside Dr	PVC	DistMain	T010	200	50.3	1999	80	23	57	\$ 29,700	\$ 6,000	\$ 35,700	\$ 450	\$ 630	\$ 110,377	\$ 1,055
111	Coronado Dr	PVC	DistMain	T029	150	7.6	1999	80	23	57	\$ 3,800	\$ -	\$ 3,800	\$ 50	\$ 70	\$ 11,749	\$ 112
112	Coronado Dr	PVC	DistMain	T029	150	12.0	1999	80	23	57	\$ 6,000	\$ -	\$ 6,000	\$ 80	\$ 110	\$ 18,551	\$ 177
113	Coronado Dr	PVC	DistMain	T029	150	2.2	1999	80	23	57	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 20	\$ 3,401	\$ 33
114	Riverside Dr	PVC	DistMain	T012	200	1.5	1999	80	23	57	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 2,783	\$ 27
115	Riverside Dr	PVC	DistMain	T012	200	83.8	1999	80	23	57	\$ 49,400	\$ 21,000	\$ 70,400	\$ 880	\$ 1,240	\$ 217,662	\$ 2,081
116	Riverside Dr	PVC	DistMain	T012	200	122.8	1999	80	23	57	\$ 72,400	\$ 41,900	\$ 114,300	\$ 1,430	\$ 2,010	\$ 353,391	\$ 3,379
117	Lacasse Blvd	CON	Trunk	T133	400	20.4	1969	60	53	7	\$ 20,800	\$ -	\$ 20,800	\$ 260	\$ 2,980	\$ 23,893	\$ 3,214
118	Lacasse Blvd	CON	Trunk	T133	400	591.1	1969	60	53	7	\$ 600,000	\$ 62,800	\$ 662,800	\$ 8,290	\$ 94,690	\$ 761,349	\$ 102,411

Appendix G-2
Watermain Inventory

GIS Database											2021 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	23	57	\$ 5,500	\$ -	\$ 5,500	\$ 70	\$ 100	\$ 17,005	\$ 163
124	Riverside Dr	PVC	DistMain	T015	200	115.5	1999	80	23	57	\$ 68,100	\$ 18,000	\$ 86,100	\$ 1,080	\$ 1,520	\$ 266,203	\$ 2,545
125	Grace Rd	PVC	DistMain	T101	150	1.2	1999	80	23	57	\$ 600	\$ -	\$ 600	\$ 10	\$ 20	\$ 1,855	\$ 18
126	Grace Rd	PVC	DistMain	T101	150	1.2	1999	80	23	57	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,164	\$ 21
127	Grace Rd	PVC	DistMain	T101	150	21.2	1999	80	23	57	\$ 10,600	\$ -	\$ 10,600	\$ 140	\$ 190	\$ 32,773	\$ 313
128	Riverside Dr	PVC	DistMain	T014	200	119.6	1999	80	23	57	\$ 70,500	\$ 18,000	\$ 88,500	\$ 1,110	\$ 1,560	\$ 273,623	\$ 2,616
129	Riverside Dr	PVC	DistMain	T014	200	1.4	1999	80	23	57	\$ 900	\$ 3,000	\$ 3,900	\$ 50	\$ 70	\$ 12,058	\$ 115
137	Shawnee Rd	PVC	DistMain	T287	200	148.7	1999	80	23	57	\$ 87,600	\$ 35,900	\$ 123,500	\$ 1,550	\$ 2,170	\$ 381,836	\$ 3,651
138	Shawnee Rd	PVC	DistMain	T287	200	143.4	1999	80	23	57	\$ 84,500	\$ 44,900	\$ 129,400	\$ 1,620	\$ 2,280	\$ 400,077	\$ 3,825
139	Shawnee Rd	PVC	DistMain	T284	200	144.0	1999	80	23	57	\$ 84,800	\$ 41,900	\$ 126,700	\$ 1,590	\$ 2,230	\$ 391,730	\$ 3,745
140	Shawnee Rd	PVC	DistMain	T284	200	4.8	1999	80	23	57	\$ 2,800	\$ -	\$ 2,800	\$ 40	\$ 50	\$ 8,657	\$ 83
141	Shawnee Rd	PVC	DistMain	T284	200	9.1	1999	80	23	57	\$ 5,400	\$ -	\$ 5,400	\$ 70	\$ 100	\$ 16,696	\$ 160
142	Shawnee Rd	PVC	DistMain	T284	200	0.5	1999	80	23	57	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,237	\$ 12
144	Shawnee Rd	PVC	DistMain	T283	200	5.4	1999	80	23	57	\$ 3,200	\$ 3,000	\$ 6,200	\$ 80	\$ 110	\$ 19,169	\$ 183
145	Shawnee Rd	PVC	DistMain	T283	200	109.6	1999	80	23	57	\$ 64,600	\$ 26,900	\$ 91,500	\$ 1,150	\$ 1,610	\$ 282,899	\$ 2,705
146	Shawnee Rd	PVC	DistMain	T283	200	2.0	1999	80	23	57	\$ 1,200	\$ -	\$ 1,200	\$ 20	\$ 30	\$ 3,710	\$ 35
147	Shawnee Rd	PVC	DistMain	T282	150	0.4	1999	80	23	57	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 928	\$ 9
156	Lesperance Rd	PVC	DistMain	T245	250	8.8	1999	80	23	57	\$ 5,500	\$ 3,000	\$ 8,500	\$ 110	\$ 150	\$ 26,280	\$ 251
157	Lesperance Rd	PVC	DistMain	T245	250	23.3	1999	80	23	57	\$ 14,400	\$ 6,000	\$ 20,400	\$ 260	\$ 360	\$ 63,072	\$ 603
159	Lesperance Rd	PVC	DistMain	T249	250	66.5	1999	80	23	57	\$ 41,200	\$ 15,000	\$ 56,200	\$ 710	\$ 990	\$ 173,759	\$ 1,661
160	Lesperance Rd	PVC	DistMain	T249	250	11.5	1999	80	23	57	\$ 7,200	\$ -	\$ 7,200	\$ 90	\$ 130	\$ 22,261	\$ 213
161	Arbour St	PVC	DistMain	T310	150	1.2	1997	80	25	55	\$ 600	\$ -	\$ 600	\$ 10	\$ 20	\$ 1,783	\$ 18
162	Arbour St	PVC	DistMain	T310	150	0.5	1997	80	25	0	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 1,463	\$ 8
165	Arbour St	PVC	DistMain	T310	150	130.1	1997	80	25	55	\$ 64,700	\$ 23,900	\$ 88,600	\$ 1,110	\$ 1,620	\$ 263,295	\$ 2,671
166	Arbour St	PVC	DistMain	T310	150	18.5	1997	80	25	55	\$ 9,200	\$ 9,000	\$ 18,200	\$ 230	\$ 340	\$ 54,085	\$ 549
167	Renaud St	PVC	DistMain	T305	150	1.0	1997	80	25	55	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,486	\$ 15
168	Renaud St	PVC	DistMain	T305	150	2.0	1997	80	25	55	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 20	\$ 3,269	\$ 33
169	Renaud St	PVC	DistMain	T305	150	6.6	1997	80	25	55	\$ 3,300	\$ 6,000	\$ 9,300	\$ 120	\$ 170	\$ 27,637	\$ 280
170	Renaud St	PVC	DistMain	T305	150	38.2	1997	80	25	55	\$ 19,000	\$ 6,000	\$ 25,000	\$ 320	\$ 460	\$ 74,293	\$ 754
171	Renaud St	PVC	DistMain	T305	150	0.6	1997	80	25	55	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 892	\$ 9
174	Renaud St	PVC	DistMain	T305	150	105.2	1997	80	25	55	\$ 52,300	\$ 15,000	\$ 67,300	\$ 850	\$ 1,230	\$ 199,997	\$ 2,029
177	Lanoue St	PVC	DistMain	T315	150	8.0	1997	80	25	55	\$ 4,000	\$ -	\$ 4,000	\$ 50	\$ 80	\$ 11,887	\$ 121
183	St Denis St	PVC	DistMain	T213	150	1.0	1999	80	23	57	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,546	\$ 15
184	St Denis St	PVC	DistMain	T213	150	1.0	1999	80	23	57	\$ 600	\$ -	\$ 600	\$ 10	\$ 20	\$ 1,855	\$ 18
185	Lesperance Rd	PVC	DistMain	T212	250	35.0	1999	80	23	57	\$ 21,700	\$ 3,000	\$ 24,700	\$ 310	\$ 440	\$ 76,367	\$ 730
186	St Jacques St	PVC	DistMain	T210	200	32.2	1999	80	23	57	\$ 19,000	\$ -	\$ 19,000	\$ 240	\$ 340	\$ 58,744	\$ 562
187	St Jacques St	PVC	DistMain	T210	200	0.5	1999	80	23	57	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 928	\$ 9
188	St Jacques St	PVC	DistMain	T210	150	0.9	1999	80	23	57	\$ 500	\$ 3,000	\$ 3,500	\$ 50	\$ 70	\$ 10,821	\$ 103
189	Lesperance Rd	PVC	DistMain	T211	250	111.4	1999	80	23	0	\$ 69,000	\$ 21,000	\$ 90,000	\$ 1,130	\$ 1,130	\$ 438,790	\$ 2,264
190	Lesperance Rd	PVC	DistMain	T211	250	28.2	1999	80	23	57	\$ 17,500	\$ 6,000	\$ 23,500	\$ 300	\$ 420	\$ 72,657	\$ 695
191	Lesperance Rd	PVC	DistMain	T211	250	56.3	1999	80	23	57	\$ 34,900	\$ 18,000	\$ 52,900	\$ 670	\$ 930	\$ 163,556	\$ 1,564
192	Lesperance Rd	PVC	DistMain	T211	250	101.9	1999	80	23	57	\$ 63,100	\$ 23,900	\$ 87,000	\$ 1,090	\$ 1,530	\$ 268,986	\$ 2,572
193	McNorton St	PVC	DistMain	T194	250	0.4	1999	80	23	57	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 928	\$ 9
194	McNorton St	PVC	DistMain	T194	250	21.5	1999	80	23	57	\$ 13,300	\$ -	\$ 13,300	\$ 170	\$ 240	\$ 41,121	\$ 393
196	Lesperance Rd	PVC	DistMain	T195	200	1.7	1999	80	23	57	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 20	\$ 3,092	\$ 30
197	Lesperance Rd	PVC	DistMain	T195	250	7.5	1999	80	23	57	\$ 4,700	\$ -	\$ 4,700	\$ 60	\$ 90	\$ 14,531	\$ 139
198	Lesperance Rd	PVC	DistMain	T195	200	151.3	1999	80	23	57	\$ 89,200	\$ 29,900	\$ 119,100	\$ 1,490	\$ 2,090	\$ 368,232	\$ 3,521
200	Lacasse Blvd	PVC	Trunk	T064	300	1.6	1980	80	42	38	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 30	\$ 2,335	\$ 42
201	Lacasse Blvd	PVC	DistMain	T064	150	3.3	1969	80	53	27	\$ 1,700	\$ -	\$ 1,700	\$ 30	\$ 70	\$ 2,902	\$ 82
202	Lacasse Blvd	PVC	DistMain	T064	150	0.7	1969	80	53	27	\$ 400	\$ -	\$ 400	\$ 10	\$ 20	\$ 683	\$ 19
203	Lacasse Blvd	PVC	Trunk	T064	300	0.4	1980	80	42	38	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 637	\$ 11

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
204	Lacasse Blvd	PVC	Trunk	T064	300	0.5	1980	80	42	38	\$ 400	\$ -	\$ 400	\$ 10	\$ 20	\$ 849	\$ 15
205	Lacasse Blvd	PVC	Trunk	T064	300	1.7	1980	80	42	38	\$ 1,200	\$ -	\$ 1,200	\$ 20	\$ 40	\$ 2,547	\$ 45
206	Lacasse Blvd	PVC	Trunk	T064	300	14.6	1980	80	42	38	\$ 9,800	\$ -	\$ 9,800	\$ 130	\$ 260	\$ 20,799	\$ 371
207	Lacasse Blvd	PVC	Trunk	T064	300	0.4	1980	80	42	38	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 637	\$ 11
208	Lacasse Blvd	PVC	DistMain	T141	150	23.7	1980	80	42	38	\$ 11,800	\$ -	\$ 11,800	\$ 150	\$ 320	\$ 25,043	\$ 446
209	Lacasse Blvd	CI	DistMain	T065	150	71.0	1980	80	42	38	\$ 35,300	\$ -	\$ 35,300	\$ 450	\$ 930	\$ 74,917	\$ 1,335
210	Lacasse Blvd	CI	DistMain	T064	150	61.8	1980	80	42	38	\$ 30,800	\$ 3,000	\$ 33,800	\$ 430	\$ 890	\$ 71,734	\$ 1,278
211	Lacasse Blvd	CI	DistMain	T064	150	146.5	1980	80	42	38	\$ 72,800	\$ 3,000	\$ 75,800	\$ 950	\$ 2,000	\$ 160,870	\$ 2,867
212	Lacasse Blvd	CI	DistMain	T064	150	4.8	1980	80	42	38	\$ 2,400	\$ -	\$ 2,400	\$ 30	\$ 70	\$ 5,094	\$ 91
213	Little River Blvd	PVC	Trunk	T079	300	172.5	1980	80	42	38	\$ 115,500	\$ 35,900	\$ 151,400	\$ 1,900	\$ 3,990	\$ 321,316	\$ 5,726
214	Little River Blvd	PVC	Trunk	T079	300	41.2	1980	80	42	38	\$ 27,600	\$ 6,000	\$ 33,600	\$ 420	\$ 890	\$ 71,309	\$ 1,271
215	Coronado Dr	CI	DistMain	T078	150	3.9	1980	80	42	38	\$ 2,000	\$ -	\$ 2,000	\$ 30	\$ 60	\$ 4,245	\$ 76
216	Little River Blvd	PVC	Trunk	T081	300	111.3	1980	60	42	18	\$ 74,500	\$ 12,000	\$ 86,500	\$ 1,090	\$ 4,810	\$ 123,543	\$ 5,770
217	Little River Blvd	PVC	Trunk	T080	300	109.6	1980	60	42	18	\$ 73,400	\$ 12,000	\$ 85,400	\$ 1,070	\$ 4,750	\$ 121,972	\$ 5,696
218	Little River Blvd	PVC	Trunk	T080	300	1.0	1980	60	42	18	\$ 700	\$ -	\$ 700	\$ 10	\$ 40	\$ 1,000	\$ 47
219	Shawn Ave	PVC	DistMain	T147	150	2.5	1980	60	42	18	\$ 1,300	\$ -	\$ 1,300	\$ 20	\$ 80	\$ 1,857	\$ 87
220	Kimberly Dr	PVC	DistMain	T146	150	125.7	1980	80	42	38	\$ 62,500	\$ 32,900	\$ 95,400	\$ 1,200	\$ 2,520	\$ 202,467	\$ 3,608
222	Tecumseh Rd	PVC	Trunk	T253	400	5.9	1992	80	30	50	\$ 6,000	\$ -	\$ 6,000	\$ 80	\$ 120	\$ 16,150	\$ 191
226	Tecumseh Rd	PVC	Trunk	T253	400	8.8	1992	60	30	30	\$ 9,000	\$ -	\$ 9,000	\$ 120	\$ 300	\$ 16,302	\$ 402
227	Tecumseh Rd	PVC	Trunk	T253	400	19.7	1992	80	30	50	\$ 20,000	\$ -	\$ 20,000	\$ 250	\$ 400	\$ 53,832	\$ 636
228	Tecumseh Rd	PVC	Trunk	T253	400	113.3	1992	80	30	50	\$ 115,100	\$ -	\$ 115,100	\$ 1,440	\$ 2,310	\$ 309,802	\$ 3,663
229	Tecumseh Rd	PVC	Trunk	T253	400	32.8	1992	80	30	50	\$ 33,300	\$ -	\$ 33,300	\$ 420	\$ 670	\$ 89,630	\$ 1,060
231	Tecumseh Rd	PVC	Trunk	T253	400	136.8	1992	80	30	50	\$ 138,900	\$ 3,000	\$ 141,900	\$ 1,780	\$ 2,840	\$ 381,936	\$ 4,516
234	Tecumseh Rd	PVC	Trunk	T253	400	148.5	1992	80	30	50	\$ 150,800	\$ 9,000	\$ 159,800	\$ 2,000	\$ 3,200	\$ 430,116	\$ 5,085
236	Tecumseh Rd	PVC	Trunk	T253	400	15.0	1992	80	30	50	\$ 15,300	\$ -	\$ 15,300	\$ 200	\$ 310	\$ 41,181	\$ 487
237	Tecumseh Rd	PVC	Trunk	T253	400	4.0	1992	80	30	50	\$ 4,100	\$ -	\$ 4,100	\$ 60	\$ 90	\$ 11,036	\$ 130
238	Tecumseh Rd	PVC	Trunk	T253	400	42.7	1992	80	30	50	\$ 43,400	\$ -	\$ 43,400	\$ 550	\$ 870	\$ 116,815	\$ 1,381
239	Tecumseh Rd	PVC	Trunk	T253	400	16.2	1992	80	30	50	\$ 16,500	\$ -	\$ 16,500	\$ 210	\$ 330	\$ 44,411	\$ 525
248	Highway 2	DI	Trunk	T_SS00	400	42.3	1985	80	37	43	\$ 43,000	\$ -	\$ 43,000	\$ 540	\$ 1,000	\$ 100,757	\$ 1,500
249	Lanoue St	PVC	DistMain	T317	200	109.2	1992	80	30	0	\$ 64,400	\$ 32,900	\$ 97,300	\$ 1,220	\$ 1,220	\$ 474,380	\$ 2,448
250	Lanoue St	PVC	DistMain	T317	200	17.9	1992	60	30	30	\$ 10,600	\$ 6,000	\$ 16,600	\$ 210	\$ 560	\$ 30,069	\$ 741
251	Lanoue St	PVC	DistMain	T317	200	44.7	1992	60	30	30	\$ 26,400	\$ 9,000	\$ 35,400	\$ 450	\$ 1,180	\$ 64,122	\$ 1,581
252	Lanoue St	PVC	DistMain	T317	200	68.2	1996	60	26	34	\$ 40,200	\$ 29,900	\$ 70,100	\$ 880	\$ 2,070	\$ 137,443	\$ 2,861
253	Lanoue St	PVC	DistMain	T317	200	18.1	1996	60	26	34	\$ 10,700	\$ 15,000	\$ 25,700	\$ 330	\$ 760	\$ 50,389	\$ 1,049
254	Lanoue St	PVC	DistMain	T317	200	65.1	1996	60	26	34	\$ 38,400	\$ 21,000	\$ 59,400	\$ 750	\$ 1,750	\$ 116,464	\$ 2,425
255	Lanoue St	PVC	DistMain	T317	200	55.4	1996	60	26	34	\$ 32,700	\$ 21,000	\$ 53,700	\$ 680	\$ 1,580	\$ 105,288	\$ 2,192
256	Lanoue St	PVC	DistMain	T317	200	150.2	1996	60	26	34	\$ 88,500	\$ 59,800	\$ 148,300	\$ 1,860	\$ 4,370	\$ 290,768	\$ 6,053
257	Lacasse Blvd	CON	Trunk	T252	400	162.1	1969	80	53	27	\$ 164,600	\$ 3,000	\$ 167,600	\$ 2,100	\$ 6,210	\$ 286,074	\$ 8,094
258	Lacasse Blvd	CON	Trunk	T252	400	15.3	1969	80	53	27	\$ 15,500	\$ -	\$ 15,500	\$ 200	\$ 580	\$ 26,457	\$ 749
259	Lacasse Blvd	PVC	DistMain	T252	200	12.5	2008	80	14	66	\$ 7,400	\$ -	\$ 7,400	\$ 100	\$ 120	\$ 27,343	\$ 203
260	Horwood Cres	DI	Trunk	T222	400	1.2	1981	80	41	39	\$ 1,300	\$ -	\$ 1,300	\$ 20	\$ 40	\$ 2,814	\$ 48
261	Horwood Cres	DI	DistMain	T222	150	1.0	1981	80	41	39	\$ 500	\$ -	\$ 500	\$ 10	\$ 20	\$ 1,082	\$ 19
262	Lacasse Blvd	PVC	DistMain	T252	200	6.8	2008	80	14	66	\$ 4,100	\$ -	\$ 4,100	\$ 60	\$ 70	\$ 15,149	\$ 112
263	Lacasse Blvd	PVC	DistMain	T252	200	215.1	2008	80	14	66	\$ 126,700	\$ 3,000	\$ 129,700	\$ 1,630	\$ 1,970	\$ 479,238	\$ 3,557
265	Lacasse Blvd	PVC	DistMain	T219	150	5.2	2009	80	13	67	\$ 2,700	\$ -	\$ 2,700	\$ 40	\$ 50	\$ 10,176	\$ 74
266	Lacasse Blvd	PVC	DistMain	T219	200	156.9	2008	60	14	0	\$ 92,500	\$ 21,000	\$ 113,500	\$ 1,420	\$ 1,420	\$ 553,362	\$ 2,856
267	Lacasse Blvd	PVC	DistMain	T219	200	131.7	2008	60	14	46	\$ 77,600	\$ 18,000	\$ 95,600	\$ 1,200	\$ 2,080	\$ 237,720	\$ 3,198
270	Lesperance Rd	PVC	Trunk	T022	300	217.4	2005	80	17	63	\$ 145,500	\$ 23,900	\$ 169,400	\$ 2,120	\$ 2,690	\$ 589,826	\$ 4,753
271	Lesperance Rd	PVC	Trunk	T022	300	10.2	2005	60	17	43	\$ 6,800	\$ -	\$ 6,800	\$ 90	\$ 160	\$ 15,934	\$ 237
272	Lesperance Rd	CI	DistMain	T022	150	21.3	1985	60	37	23	\$ 10,600	\$ -	\$ 10,600	\$ 140	\$ 470	\$ 16,715	\$ 579
273	Lesperance Rd	PVC	DistMain	T022	150	0.6	2005	80	17	63	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 1,045	\$ 8

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
274	Lesperance Rd	PVC	Trunk	T022	300	0.8	2005	80	17	63	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,089	\$ 17
275	Lesperance Rd	Cl	DistMain	T022	150	214.0	1986	80	36	0	\$ 106,400	\$ 29,900	\$ 136,300	\$ 1,710	\$ 1,710	\$ 664,522	\$ 3,429
276	Lesperance Rd	PVC	DistMain	T022	250	1.2	2005	80	17	0	\$ 800	\$ -	\$ 800	\$ 10	\$ 10	\$ 3,900	\$ 20
277	Lesperance Rd	Cl	DistMain	T056	150	125.5	1972	80	50	30	\$ 62,400	\$ 9,000	\$ 71,400	\$ 900	\$ 2,380	\$ 129,331	\$ 3,188
278	Lesperance Rd	PVC	Trunk	T109	300	103.2	2005	80	17	63	\$ 69,100	\$ 12,000	\$ 81,100	\$ 1,020	\$ 1,290	\$ 282,379	\$ 2,276
279	Lesperance Rd	Cl	DistMain	T109	150	55.5	1972	80	50	30	\$ 27,600	\$ 3,000	\$ 30,600	\$ 390	\$ 1,020	\$ 55,428	\$ 1,366
280	Lesperance Rd	PVC	Trunk	T121	300	149.1	2005	80	17	63	\$ 99,800	\$ 21,000	\$ 120,800	\$ 1,510	\$ 1,920	\$ 420,608	\$ 3,389
282	Little River Blvd	PVC	DistMain	T052	150	36.9	1987	60	35	25	\$ 18,400	\$ -	\$ 18,400	\$ 230	\$ 740	\$ 30,187	\$ 942
283	St Pierre St	Cl	DistMain	T060	150	241.8	1978	80	44	36	\$ 120,200	\$ 35,900	\$ 156,100	\$ 1,960	\$ 4,340	\$ 318,426	\$ 6,124
284	Appletree Cres	PVC	DistMain	T183	150	2.1	1980	80	42	38	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 30	\$ 2,335	\$ 42
285	Appletree Cres	PVC	DistMain	T183	150	58.0	1980	60	42	18	\$ 28,900	\$ 29,900	\$ 58,800	\$ 740	\$ 3,270	\$ 83,981	\$ 3,922
286	Appletree Cres	PVC	DistMain	T183	150	137.4	1980	80	42	38	\$ 68,300	\$ 38,900	\$ 107,200	\$ 1,340	\$ 2,830	\$ 227,510	\$ 4,054
291	St Thomas Cres	PVC	DistMain	T148	150	3.0	1980	60	42	18	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 90	\$ 2,285	\$ 107
292	St Thomas Cres	PVC	DistMain	T148	150	25.0	1980	80	42	38	\$ 12,500	\$ 3,000	\$ 15,500	\$ 200	\$ 410	\$ 32,896	\$ 586
293	St Thomas Cres	PVC	DistMain	T148	150	60.1	1980	60	42	18	\$ 29,900	\$ 23,900	\$ 53,800	\$ 680	\$ 2,990	\$ 76,840	\$ 3,589
294	St Thomas Cres	PVC	DistMain	T148	150	81.1	1980	80	42	38	\$ 40,300	\$ 26,900	\$ 67,200	\$ 840	\$ 1,770	\$ 142,618	\$ 2,542
295	St Thomas Cres	PVC	DistMain	T148	150	125.6	1980	80	42	38	\$ 62,500	\$ 41,900	\$ 104,400	\$ 1,310	\$ 2,750	\$ 221,568	\$ 3,948
296	St Thomas Cres	PVC	DistMain	T148	150	2.9	1980	60	42	18	\$ 1,500	\$ 12,000	\$ 13,500	\$ 170	\$ 750	\$ 19,281	\$ 900
297	St Thomas Cres	PVC	DistMain	T148	150	8.8	1980	80	42	38	\$ 4,400	\$ 12,000	\$ 16,400	\$ 210	\$ 440	\$ 34,806	\$ 620
298	St Thomas Cres	PVC	DistMain	T148	150	79.9	1980	80	42	38	\$ 39,700	\$ 26,900	\$ 66,600	\$ 840	\$ 1,760	\$ 141,345	\$ 2,519
299	St Thomas Cres	PVC	DistMain	T184	150	1.8	1980	80	42	38	\$ 900	\$ -	\$ 900	\$ 20	\$ 30	\$ 1,910	\$ 34
300	Gauthier Dr	PVC	DistMain	T107	150	4.6	1977	80	45	35	\$ 2,400	\$ -	\$ 2,400	\$ 30	\$ 70	\$ 4,800	\$ 96
301	Gauthier Dr	PVC	DistMain	T107	150	51.8	1977	80	45	35	\$ 25,800	\$ 15,000	\$ 40,800	\$ 510	\$ 1,170	\$ 81,595	\$ 1,632
302	Gauthier Dr	PVC	DistMain	T107	150	3.4	1977	80	45	35	\$ 1,700	\$ 3,000	\$ 4,700	\$ 60	\$ 140	\$ 9,399	\$ 188
303	Gauthier Dr	PVC	DistMain	T110	150	54.9	1977	80	45	35	\$ 27,300	\$ 15,000	\$ 42,300	\$ 530	\$ 1,210	\$ 84,595	\$ 1,692
304	Gauthier Dr	PVC	DistMain	T112	150	36.3	1988	80	34	46	\$ 18,100	\$ 12,000	\$ 30,100	\$ 380	\$ 660	\$ 74,847	\$ 1,007
305	Gauthier Dr	PVC	DistMain	T112	150	19.9	1988	80	34	46	\$ 10,000	\$ -	\$ 10,000	\$ 130	\$ 220	\$ 24,866	\$ 335
306	Gauthier Dr	PVC	DistMain	T110	150	58.5	1988	80	34	46	\$ 29,100	\$ 15,000	\$ 44,100	\$ 560	\$ 960	\$ 109,660	\$ 1,475
307	Gauthier Dr	PVC	DistMain	T119	150	3.6	1980	80	42	38	\$ 1,900	\$ 3,000	\$ 4,900	\$ 70	\$ 130	\$ 10,399	\$ 185
308	Gauthier Dr	PVC	DistMain	T119	150	136.3	1980	80	42	38	\$ 67,800	\$ 41,900	\$ 109,700	\$ 1,380	\$ 2,890	\$ 232,816	\$ 4,149
309	Gauthier Dr	PVC	DistMain	T119	150	17.6	1980	80	42	38	\$ 8,800	\$ 3,000	\$ 11,800	\$ 150	\$ 320	\$ 25,043	\$ 446
310	Arbour St	PVC	DistMain	T310	150	0.5	1991	80	31	49	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 792	\$ 10
311	Arbour St	PVC	DistMain	T310	150	0.7	1991	80	31	49	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,056	\$ 13
312	Arbour St	PVC	DistMain	T310	150	2.0	1991	80	31	49	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 30	\$ 2,639	\$ 32
313	Arbour St	PVC	DistMain	T310	150	0.5	1991	80	31	49	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 792	\$ 10
314	Arbour St	PVC	DistMain	T310	150	0.1	1991	80	31	49	\$ 100	\$ -	\$ 100	\$ 10	\$ 10	\$ 264	\$ 3
315	Arbour St	PVC	DistMain	T310	150	0.3	1991	80	31	49	\$ 200	\$ -	\$ 200	\$ 10	\$ 10	\$ 528	\$ 6
316	Lanoue St	PVC	DistMain	T317	200	43.3	1994	80	28	0	\$ 25,600	\$ 9,000	\$ 34,600	\$ 440	\$ 440	\$ 168,690	\$ 871
317	Lanoue St	PVC	DistMain	T326	200	124.4	1994	80	28	52	\$ 73,300	\$ 38,900	\$ 112,200	\$ 1,410	\$ 2,160	\$ 314,197	\$ 3,490
318	Jacie Crt	PVC	DistMain	T321	150	2.9	1993	80	29	51	\$ 1,500	\$ -	\$ 1,500	\$ 20	\$ 30	\$ 4,118	\$ 47
319	Northfield Way	PVC	DistMain	T320	150	116.7	1993	80	29	51	\$ 58,100	\$ 35,900	\$ 94,000	\$ 1,180	\$ 1,850	\$ 258,069	\$ 2,957
320	Northfield Way	PVC	DistMain	T322	150	91.5	1994	80	28	52	\$ 45,500	\$ 29,900	\$ 75,400	\$ 950	\$ 1,450	\$ 211,145	\$ 2,346
321	Northfield Way	PVC	DistMain	T324	150	231.1	1994	80	28	52	\$ 114,900	\$ 68,800	\$ 183,700	\$ 2,300	\$ 3,540	\$ 514,420	\$ 5,715
322	Jacie Crt	PVC	DistMain	T321	150	162.5	1994	80	28	52	\$ 80,800	\$ 50,800	\$ 131,600	\$ 1,650	\$ 2,540	\$ 368,523	\$ 4,094
323	Shelley Crt	PVC	DistMain	T323	150	149.0	1994	80	28	52	\$ 74,100	\$ 47,800	\$ 121,900	\$ 1,530	\$ 2,350	\$ 341,360	\$ 3,792
324	Lesperance Rd	PVC	DistMain	T312	150	43.8	1994	80	28	52	\$ 21,800	\$ -	\$ 21,800	\$ 280	\$ 420	\$ 61,047	\$ 678
326	Bedell St	PVC	DistMain	T314	200	93.8	2007	80	15	65	\$ 55,300	\$ 6,000	\$ 61,300	\$ 770	\$ 950	\$ 222,061	\$ 1,693
327	Bedell St	PVC	DistMain	T309	200	112.4	2007	80	15	65	\$ 66,300	\$ 26,900	\$ 93,200	\$ 1,170	\$ 1,440	\$ 337,619	\$ 2,575
328	Bedell St	PVC	DistMain	T306	200	112.9	2007	80	15	65	\$ 66,600	\$ 32,900	\$ 99,500	\$ 1,250	\$ 1,540	\$ 360,441	\$ 2,749
329	Lanoue St	PVC	DistMain	T315	150	60.1	2007	80	15	65	\$ 29,900	\$ 3,000	\$ 32,900	\$ 420	\$ 510	\$ 119,181	\$ 909
330	Lanoue St	PVC	DistMain	T313	150	222.0	2007	80	15	65	\$ 110,400	\$ 47,800	\$ 158,200	\$ 1,980	\$ 2,440	\$ 573,083	\$ 4,370

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
331	Kimberly Dr	PVC	DistMain	T144	150	104.9	1987	80	35	45	\$ 52,200	\$ 26,900	\$ 79,100	\$ 990	\$ 1,760	\$ 192,834	\$ 2,682
332	Jelso Pl	PVC	DistMain	T143	150	120.8	1987	80	35	45	\$ 60,100	\$ 38,900	\$ 99,000	\$ 1,240	\$ 2,200	\$ 241,348	\$ 3,357
333	Jelso Pl	PVC	DistMain	T143	150	20.3	1987	80	35	45	\$ 10,100	\$ -	\$ 10,100	\$ 130	\$ 230	\$ 24,622	\$ 342
334	Jelso Pl	PVC	DistMain	T143	150	53.6	1987	80	35	45	\$ 26,700	\$ 12,000	\$ 38,700	\$ 490	\$ 860	\$ 94,345	\$ 1,312
335	Dube Dr	PVC	DistMain	T140	150	75.5	1989	80	33	47	\$ 37,600	\$ 18,000	\$ 55,600	\$ 700	\$ 1,190	\$ 141,021	\$ 1,836
336	Dube Dr	PVC	DistMain	T140	150	75.4	1989	80	33	0	\$ 37,500	\$ 6,000	\$ 43,500	\$ 550	\$ 550	\$ 212,082	\$ 1,094
337	Lacasse Blvd	PVC	DistMain	T135	150	19.7	1989	80	33	47	\$ 9,900	\$ 6,000	\$ 15,900	\$ 200	\$ 340	\$ 40,328	\$ 525
338	Lacasse Blvd	PVC	DistMain	T135	150	88.0	1989	80	33	47	\$ 43,800	\$ 6,000	\$ 49,800	\$ 630	\$ 1,060	\$ 126,310	\$ 1,644
339	Lacasse Blvd	PVC	DistMain	T135	150	84.5	1989	80	33	47	\$ 42,100	\$ 12,000	\$ 54,100	\$ 680	\$ 1,160	\$ 137,216	\$ 1,786
340	Lacasse Blvd	PVC	DistMain	T134	150	1.3	1989	80	33	47	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 1,775	\$ 23
341	Lacasse Blvd	CON	Trunk	T133	400	2.3	1969	80	53	27	\$ 2,400	\$ -	\$ 2,400	\$ 30	\$ 90	\$ 4,097	\$ 116
342	Lacasse Blvd	CON	Trunk	T133	400	24.7	1969	80	53	27	\$ 25,100	\$ -	\$ 25,100	\$ 320	\$ 930	\$ 42,843	\$ 1,212
343	Lacasse Blvd	CON	DistMain	T064	400	1.5	1969	80	53	27	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 60	\$ 2,731	\$ 77
344	Valente Crt	DI	DistMain	T113	150	56.1	1979	80	43	37	\$ 27,900	\$ 9,000	\$ 36,900	\$ 470	\$ 1,000	\$ 76,777	\$ 1,421
345	Valente Crt	DI	DistMain	T113	150	4.1	1979	80	43	37	\$ 2,100	\$ -	\$ 2,100	\$ 30	\$ 60	\$ 4,369	\$ 81
346	Valente Crt	DI	DistMain	T114	150	18.8	1979	80	43	37	\$ 9,400	\$ -	\$ 9,400	\$ 120	\$ 260	\$ 19,558	\$ 362
347	Valente Crt	DI	DistMain	T114	150	56.4	1979	80	43	37	\$ 28,100	\$ 29,900	\$ 58,000	\$ 730	\$ 1,570	\$ 120,680	\$ 2,233
348	Valente Crt	DI	DistMain	T116	150	17.6	1979	80	43	37	\$ 8,800	\$ -	\$ 8,800	\$ 110	\$ 240	\$ 18,310	\$ 339
349	Valente Crt	DI	DistMain	T116	150	56.6	1979	80	43	37	\$ 28,200	\$ 29,900	\$ 58,100	\$ 730	\$ 1,580	\$ 120,888	\$ 2,237
350	Roxbury Cres	PVC	DistMain	T111	150	110.9	1979	80	43	37	\$ 55,200	\$ 26,900	\$ 82,100	\$ 1,030	\$ 2,220	\$ 170,824	\$ 3,161
351	St Anne Blvd	PVC	DistMain	T298	150	151.1	1991	60	31	29	\$ 75,200	\$ 29,900	\$ 105,100	\$ 1,320	\$ 3,630	\$ 186,641	\$ 4,811
352	Roxbury Cres	PVC	DistMain	T111	150	106.0	1979	60	43	17	\$ 52,700	\$ 53,800	\$ 106,500	\$ 1,340	\$ 6,270	\$ 149,126	\$ 7,452
353	Lesperance Rd	PVC	Trunk	T118	300	100.8	2005	60	17	43	\$ 67,500	\$ 12,000	\$ 79,500	\$ 1,000	\$ 1,850	\$ 186,284	\$ 2,774
354	Lesperance Rd	PVC	Trunk	T118	300	3.8	2005	80	17	63	\$ 2,600	\$ -	\$ 2,600	\$ 40	\$ 50	\$ 9,053	\$ 73
356	Lesperance Rd	PVC	Trunk	T118	300	11.3	2005	60	17	43	\$ 7,600	\$ -	\$ 7,600	\$ 100	\$ 180	\$ 17,808	\$ 265
357	Oliver Dr	PVC	DistMain	T108	150	163.9	1977	80	45	35	\$ 81,500	\$ 41,900	\$ 123,400	\$ 1,550	\$ 3,530	\$ 246,786	\$ 4,936
358	Lesperance Rd	PVC	Trunk	T106	300	60.7	2005	80	17	63	\$ 40,600	\$ 6,000	\$ 46,600	\$ 590	\$ 740	\$ 162,254	\$ 1,308
359	Lesperance Rd	PVC	Trunk	T109	300	0.6	2005	80	17	63	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,741	\$ 14
360	Cedarwood Dr	DI	DistMain	T105	150	295.9	1974	80	48	32	\$ 147,100	\$ 86,700	\$ 233,800	\$ 2,930	\$ 7,310	\$ 440,606	\$ 9,962
361	Little River Blvd	PVC	DistMain	T050	150	99.0	1987	80	35	45	\$ 49,300	\$ -	\$ 49,300	\$ 620	\$ 1,100	\$ 120,186	\$ 1,672
362	Chene Crt	PVC	DistMain	T054	150	22.0	1979	80	43	37	\$ 11,000	\$ 12,000	\$ 23,000	\$ 290	\$ 630	\$ 47,856	\$ 886
363	Chene Crt	PVC	DistMain	T054	150	35.4	1979	80	43	37	\$ 17,600	\$ 15,000	\$ 32,600	\$ 410	\$ 890	\$ 67,830	\$ 1,255
364	Chene Crt	PVC	DistMain	T054	150	40.6	1979	80	43	37	\$ 20,200	\$ 3,000	\$ 23,200	\$ 290	\$ 630	\$ 48,272	\$ 893
365	Lesperance Rd	PVC	Trunk	T056	300	0.8	2005	80	17	63	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,089	\$ 17
366	Little River Blvd	PVC	DistMain	T055	150	120.1	1979	80	43	37	\$ 59,700	\$ 9,000	\$ 68,700	\$ 860	\$ 1,860	\$ 142,943	\$ 2,645
367	Little River Blvd	PVC	DistMain	T052	150	52.8	1979	80	43	37	\$ 26,300	\$ -	\$ 26,300	\$ 330	\$ 720	\$ 54,722	\$ 1,013
368	Lesperance Rd	PVC	Trunk	T056	300	81.6	2005	80	17	63	\$ 54,600	\$ 9,000	\$ 63,600	\$ 800	\$ 1,010	\$ 221,446	\$ 1,785
369	Tecumseh Rd	DI	Trunk	T261	400	53.2	1980	80	42	38	\$ 54,100	\$ 6,000	\$ 60,100	\$ 760	\$ 1,590	\$ 127,550	\$ 2,273
370	Tecumseh Rd	DI	Trunk	T261	400	65.0	1980	60	42	18	\$ 66,000	\$ 9,000	\$ 75,000	\$ 940	\$ 4,170	\$ 107,118	\$ 5,003
371	Tecumseh Rd	DI	Trunk	T262	400	28.7	1980	80	42	38	\$ 29,100	\$ 12,000	\$ 41,100	\$ 520	\$ 1,090	\$ 87,226	\$ 1,554
372	Tecumseh Rd	DI	Trunk	T262	400	72.4	1980	80	42	38	\$ 73,500	\$ 6,000	\$ 79,500	\$ 1,000	\$ 2,100	\$ 168,723	\$ 3,007
373	Tecumseh Rd	DI	Trunk	T262	400	3.0	1980	80	42	38	\$ 3,100	\$ -	\$ 3,100	\$ 40	\$ 90	\$ 6,579	\$ 117
374	Tecumseh Rd	DI	Trunk	T262	400	0.5	1980	80	42	38	\$ 500	\$ 3,000	\$ 3,500	\$ 50	\$ 100	\$ 7,428	\$ 132
375	Tecumseh Rd	DI	Trunk	T262	400	0.5	1980	80	42	38	\$ 500	\$ -	\$ 500	\$ 10	\$ 20	\$ 1,061	\$ 19
376	Tecumseh Rd	DI	Trunk	T262	400	2.4	1980	80	42	38	\$ 2,500	\$ -	\$ 2,500	\$ 40	\$ 70	\$ 5,306	\$ 95
377	Tecumseh Rd	DI	Trunk	T262	400	16.5	1980	80	42	38	\$ 16,800	\$ 3,000	\$ 19,800	\$ 250	\$ 530	\$ 42,022	\$ 749
381	Tecumseh Rd	DI	Trunk	T262	400	45.1	1980	60	42	18	\$ 45,800	\$ 6,000	\$ 51,800	\$ 650	\$ 2,880	\$ 73,983	\$ 3,455
382	Tecumseh Rd	DI	Trunk	T262	400	21.6	1980	60	42	18	\$ 22,000	\$ -	\$ 22,000	\$ 280	\$ 1,230	\$ 31,421	\$ 1,467
383	Tecumseh Rd	DI	Trunk	T262	400	52.7	1980	60	42	18	\$ 53,500	\$ 9,000	\$ 62,500	\$ 790	\$ 3,480	\$ 89,265	\$ 4,169
384	Tecumseh Rd	DI	Trunk	T262	400	82.4	1980	60	42	18	\$ 83,700	\$ 23,900	\$ 107,600	\$ 1,350	\$ 5,980	\$ 153,679	\$ 7,177
386	Tecumseh Rd	DI	Trunk	T263	400	223.8	1980	60	42	18	\$ 227,200	\$ 68,800	\$ 296,000	\$ 3,700	\$ 16,450	\$ 422,761	\$ 19,744

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
388	Poisson St	DI	DistMain	T297	150	0.5	1980	60	42	18	\$ 300	\$ -	\$ 300	\$ 10	\$ 20	\$ 428	\$ 20
389	Poisson St	DI	DistMain	T297	150	1.5	1980	60	42	18	\$ 800	\$ -	\$ 800	\$ 10	\$ 50	\$ 1,143	\$ 53
390	Tecumseh Rd	DI	Trunk	T264	400	62.6	1980	80	42	38	\$ 63,600	\$ 15,000	\$ 78,600	\$ 990	\$ 2,070	\$ 166,813	\$ 2,973
391	Lesperance Rd	PVC	Trunk	T118	300	56.7	2005	80	17	63	\$ 37,900	\$ 6,000	\$ 43,900	\$ 550	\$ 700	\$ 152,853	\$ 1,232
392	Lesperance Rd	PVC	Trunk	T118	300	8.5	2005	60	17	43	\$ 5,700	\$ 3,000	\$ 8,700	\$ 110	\$ 210	\$ 20,386	\$ 304
393	Lesperance Rd	CI	DistMain	T109	250	26.2	1986	60	36	24	\$ 16,300	\$ 3,000	\$ 19,300	\$ 250	\$ 810	\$ 31,043	\$ 1,020
394	Lesperance Rd	CI	DistMain	T109	150	303.6	1972	60	50	10	\$ 151,000	\$ 26,900	\$ 177,900	\$ 2,230	\$ 17,790	\$ 216,859	\$ 19,805
395	Lesperance Rd	PVC	Trunk	T126	300	68.0	2005	60	17	43	\$ 45,500	\$ 6,000	\$ 51,500	\$ 650	\$ 1,200	\$ 120,674	\$ 1,797
396	Lesperance Rd	PVC	Trunk	T125	300	11.0	2005	60	17	43	\$ 7,400	\$ -	\$ 7,400	\$ 100	\$ 180	\$ 17,340	\$ 258
398	Lesperance Rd	PVC	Trunk	T125	300	2.2	2005	60	17	43	\$ 1,500	\$ -	\$ 1,500	\$ 20	\$ 40	\$ 3,515	\$ 52
399	Lesperance Rd	PVC	Trunk	T123	300	10.7	2005	60	17	43	\$ 7,200	\$ -	\$ 7,200	\$ 90	\$ 170	\$ 16,871	\$ 251
400	Tecumseh Rd	DI	Trunk	T261	400	15.5	1980	60	42	18	\$ 15,700	\$ -	\$ 15,700	\$ 200	\$ 880	\$ 22,423	\$ 1,047
401	Tecumseh Rd	DI	Trunk	T261	400	5.3	1980	80	42	38	\$ 5,400	\$ -	\$ 5,400	\$ 70	\$ 150	\$ 11,460	\$ 204
402	Tecumseh Rd	DI	Trunk	T261	400	0.9	1980	80	42	38	\$ 1,000	\$ 3,000	\$ 4,000	\$ 50	\$ 110	\$ 8,489	\$ 151
403	Tecumseh Rd	DI	DistMain	T261	150	3.4	1980	60	42	18	\$ 1,700	\$ -	\$ 1,700	\$ 30	\$ 100	\$ 2,428	\$ 113
404	Tecumseh Rd	DI	DistMain	T261	150	0.8	1980	60	42	18	\$ 400	\$ -	\$ 400	\$ 10	\$ 30	\$ 571	\$ 27
405	Tecumseh Rd	DI	DistMain	T261	150	1.2	1980	80	42	38	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 1,486	\$ 26
406	Tecumseh Rd	DI	DistMain	T261	150	10.4	1980	80	42	38	\$ 5,200	\$ 3,000	\$ 8,200	\$ 110	\$ 220	\$ 17,403	\$ 310
407	Tecumseh Rd	DI	DistMain	T261	150	3.7	1980	80	42	38	\$ 1,900	\$ -	\$ 1,900	\$ 30	\$ 50	\$ 4,032	\$ 72
408	Baillargeon Dr	PVC	DistMain	T189	150	6.7	1980	80	42	38	\$ 3,400	\$ -	\$ 3,400	\$ 50	\$ 90	\$ 7,216	\$ 129
409	Appletree Cres	PVC	DistMain	T183	150	20.9	1980	60	42	18	\$ 10,400	\$ 3,000	\$ 13,400	\$ 170	\$ 750	\$ 19,138	\$ 894
410	St Thomas Cres	PVC	DistMain	T188	150	1.6	1980	60	42	18	\$ 800	\$ -	\$ 800	\$ 10	\$ 50	\$ 1,143	\$ 53
411	Evergreen Dr	PVC	DistMain	T120	150	55.5	1980	60	42	18	\$ 27,600	\$ 3,000	\$ 30,600	\$ 390	\$ 1,700	\$ 43,704	\$ 2,041
412	Lesperance Rd	PVC	Trunk	T056	300	4.8	2005	60	17	43	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 80	\$ 7,733	\$ 115
413	Lesperance Rd	PVC	Trunk	T056	300	21.8	2005	60	17	43	\$ 14,700	\$ -	\$ 14,700	\$ 190	\$ 350	\$ 34,445	\$ 513
414	Meander Cres	PVC	DistMain	T131	150	140.9	1989	60	33	27	\$ 70,100	\$ 38,900	\$ 109,000	\$ 1,370	\$ 4,040	\$ 186,051	\$ 5,264
415	Meander Cres	PVC	DistMain	T131	150	9.8	1989	60	33	27	\$ 4,900	\$ 3,000	\$ 7,900	\$ 100	\$ 300	\$ 13,484	\$ 382
416	Meander Cres	PVC	DistMain	T131	150	6.3	1989	60	33	27	\$ 3,200	\$ -	\$ 3,200	\$ 40	\$ 120	\$ 5,462	\$ 155
417	Meander Cres	PVC	DistMain	T131	150	14.0	1989	80	33	47	\$ 7,000	\$ -	\$ 7,000	\$ 90	\$ 150	\$ 17,754	\$ 231
418	Meander Cres	PVC	DistMain	T131	150	77.3	1989	80	33	47	\$ 38,500	\$ 15,000	\$ 53,500	\$ 670	\$ 1,140	\$ 135,694	\$ 1,766
419	Meander Cres	PVC	DistMain	T131	150	57.8	1989	80	33	0	\$ 28,800	\$ 21,000	\$ 49,800	\$ 630	\$ 630	\$ 242,797	\$ 1,253
420	Meander Cres	PVC	DistMain	T131	150	8.7	1989	80	33	47	\$ 4,400	\$ -	\$ 4,400	\$ 60	\$ 100	\$ 11,160	\$ 145
421	Meander Cres	PVC	DistMain	T131	150	6.9	1989	80	33	47	\$ 3,500	\$ 3,000	\$ 6,500	\$ 90	\$ 140	\$ 16,486	\$ 215
422	Meander Cres	PVC	DistMain	T131	150	45.9	1989	80	33	47	\$ 22,900	\$ 9,000	\$ 31,900	\$ 400	\$ 680	\$ 80,909	\$ 1,053
423	Meander Cres	PVC	DistMain	T131	150	40.0	1989	80	33	47	\$ 19,900	\$ 9,000	\$ 28,900	\$ 370	\$ 620	\$ 73,300	\$ 954
424	Lacasse Blvd	CON	Trunk	T064	400	268.8	1969	80	53	27	\$ 272,900	\$ 9,000	\$ 281,900	\$ 3,530	\$ 10,450	\$ 481,171	\$ 13,614
425	Dillon Dr	CI	Trunk	T021	400	3.4	1964	80	58	22	\$ 3,500	\$ -	\$ 3,500	\$ 50	\$ 160	\$ 5,411	\$ 198
426	Dillon Dr	CON	Trunk	T021	400	2.3	1969	80	53	27	\$ 2,400	\$ -	\$ 2,400	\$ 30	\$ 90	\$ 4,097	\$ 116
427	Dillon Dr	CON	Trunk	T023	400	3.4	1969	80	53	27	\$ 3,500	\$ -	\$ 3,500	\$ 50	\$ 130	\$ 5,974	\$ 169
428	Dillon Dr	CON	Trunk	T023	400	1.5	1969	80	53	27	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 60	\$ 2,731	\$ 77
429	Dillon Dr	CON	Trunk	T023	400	9.4	1969	80	53	27	\$ 9,600	\$ -	\$ 9,600	\$ 120	\$ 360	\$ 16,386	\$ 464
430	Dillon Dr	CON	Trunk	T023	400	2.3	1969	80	53	27	\$ 2,400	\$ -	\$ 2,400	\$ 30	\$ 90	\$ 4,097	\$ 116
431	Dillon Dr	CON	Trunk	T023	400	30.0	1969	80	53	27	\$ 30,500	\$ -	\$ 30,500	\$ 390	\$ 1,130	\$ 52,060	\$ 1,473
432	Little River Blvd	PVC	Trunk	T079	300	8.0	1980	80	42	38	\$ 5,400	\$ -	\$ 5,400	\$ 70	\$ 150	\$ 11,460	\$ 204
433	Little River Blvd	PVC	Trunk	T079	300	22.8	1980	60	42	18	\$ 15,300	\$ -	\$ 15,300	\$ 200	\$ 850	\$ 21,852	\$ 1,021
434	Shawn Ave	PVC	DistMain	T147	150	22.5	1980	60	42	18	\$ 11,200	\$ -	\$ 11,200	\$ 140	\$ 630	\$ 15,996	\$ 747
435	Shawn Ave	PVC	DistMain	T147	150	94.6	1980	60	42	18	\$ 47,100	\$ 15,000	\$ 62,100	\$ 780	\$ 3,450	\$ 88,694	\$ 4,142
436	Lesperance Rd	PVC	DistMain	T195	200	0.9	1999	60	23	37	\$ 600	\$ -	\$ 600	\$ 10	\$ 20	\$ 1,248	\$ 23
437	Lesperance Rd	PVC	DistMain	T187	200	28.4	1999	60	23	37	\$ 16,800	\$ -	\$ 16,800	\$ 210	\$ 460	\$ 34,956	\$ 647
438	Lesperance Rd	PVC	DistMain	T187	200	147.2	1999	60	23	37	\$ 86,800	\$ 38,900	\$ 125,700	\$ 1,580	\$ 3,400	\$ 261,542	\$ 4,840
439	Lesperance Rd	PVC	DistMain	T149	200	114.7	1999	60	23	37	\$ 67,600	\$ 23,900	\$ 91,500	\$ 1,150	\$ 2,480	\$ 190,383	\$ 3,523

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
440	Lesperance Rd	PVC	DistMain	T123	200	95.1	1999	60	23	37	\$ 56,100	\$ 21,000	\$ 77,100	\$ 970	\$ 2,090	\$ 160,421	\$ 2,969
441	Lesperance Rd	PVC	DistMain	T125	200	9.2	1999	80	23	57	\$ 5,400	\$ -	\$ 5,400	\$ 70	\$ 100	\$ 16,696	\$ 160
442	Lesperance Rd	PVC	DistMain	T125	200	10.4	1999	80	23	57	\$ 6,200	\$ -	\$ 6,200	\$ 80	\$ 110	\$ 19,169	\$ 183
443	Clapp St	PVC	DistMain	T127	200	2.1	1999	80	23	57	\$ 1,300	\$ -	\$ 1,300	\$ 20	\$ 30	\$ 4,019	\$ 38
444	Clapp St	PVC	DistMain	T127	200	11.0	1999	80	23	57	\$ 6,600	\$ -	\$ 6,600	\$ 90	\$ 120	\$ 20,406	\$ 195
445	Clapp St	PVC	DistMain	T127	200	0.6	2005	80	17	63	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,393	\$ 11
446	Lesperance Rd	PVC	DistMain	T126	200	121.8	1999	80	23	57	\$ 71,800	\$ 23,900	\$ 95,700	\$ 1,200	\$ 1,680	\$ 295,884	\$ 2,829
447	Lesperance Rd	PVC	DistMain	T126	200	14.3	1999	80	23	57	\$ 8,500	\$ 3,000	\$ 11,500	\$ 150	\$ 210	\$ 35,556	\$ 340
448	Lesperance Rd	PVC	DistMain	T121	200	74.0	1999	80	23	57	\$ 43,600	\$ 12,000	\$ 55,600	\$ 700	\$ 980	\$ 171,903	\$ 1,644
449	Lesperance Rd	PVC	DistMain	T121	150	1.3	1999	80	23	57	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,164	\$ 21
450	Lesperance Rd	PVC	DistMain	T121	200	0.7	1999	80	23	0	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 2,438	\$ 13
451	Lesperance Rd	PVC	DistMain	T121	200	1.6	1999	80	23	57	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 20	\$ 3,092	\$ 30
452	Lachance Crt	PVC	DistMain	T246	150	16.7	2006	80	16	64	\$ 8,400	\$ 3,000	\$ 11,400	\$ 150	\$ 180	\$ 40,487	\$ 317
454	Lachance Crt	PVC	DistMain	T246	150	125.7	1997	80	25	55	\$ 62,500	\$ 6,000	\$ 68,500	\$ 860	\$ 1,250	\$ 203,564	\$ 2,065
455	Shawn Ave	PVC	DistMain	T145	150	109.0	1980	80	42	38	\$ 54,200	\$ 23,900	\$ 78,100	\$ 980	\$ 2,060	\$ 165,752	\$ 2,954
456	Shawn Ave	PVC	DistMain	T145	150	1.8	1980	80	42	38	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 30	\$ 2,122	\$ 38
457	Kimberly Dr	PVC	DistMain	T146	150	18.0	1980	80	42	38	\$ 9,000	\$ -	\$ 9,000	\$ 120	\$ 240	\$ 19,101	\$ 340
458	Kimberly Dr	PVC	DistMain	T146	150	1.4	1980	80	42	38	\$ 800	\$ -	\$ 800	\$ 10	\$ 30	\$ 1,698	\$ 30
459	Kimberly Dr	PVC	DistMain	T146	150	3.9	1980	80	42	38	\$ 2,000	\$ 6,000	\$ 8,000	\$ 100	\$ 220	\$ 16,978	\$ 303
460	Kimberly Dr	PVC	DistMain	T146	150	16.7	1980	80	42	38	\$ 8,400	\$ 12,000	\$ 20,400	\$ 260	\$ 540	\$ 43,295	\$ 772
461	Kimberly Dr	PVC	DistMain	T146	150	62.7	1980	80	42	38	\$ 31,200	\$ 18,000	\$ 49,200	\$ 620	\$ 1,300	\$ 104,417	\$ 1,861
462	Kimberly Dr	PVC	DistMain	T146	150	0.5	1980	80	42	38	\$ 300	\$ 6,000	\$ 6,300	\$ 80	\$ 170	\$ 13,370	\$ 238
463	Kimberly Dr	PVC	DistMain	T146	150	2.6	1980	80	42	38	\$ 1,300	\$ -	\$ 1,300	\$ 20	\$ 40	\$ 2,759	\$ 49
464	Kimberly Dr	PVC	DistMain	T146	150	4.2	1980	80	42	38	\$ 2,100	\$ 9,000	\$ 11,100	\$ 140	\$ 300	\$ 23,558	\$ 420
465	Kimberly Dr	PVC	DistMain	T146	150	155.1	1980	80	42	38	\$ 77,100	\$ 35,900	\$ 113,000	\$ 1,420	\$ 2,980	\$ 239,820	\$ 4,274
466	Kimberly Dr	PVC	DistMain	T144	150	109.5	1980	80	42	38	\$ 54,500	\$ 26,900	\$ 81,400	\$ 1,020	\$ 2,150	\$ 172,755	\$ 3,079
467	Kimberly Dr	PVC	DistMain	T144	150	58.6	1980	80	42	38	\$ 29,200	\$ 12,000	\$ 41,200	\$ 520	\$ 1,090	\$ 87,439	\$ 1,558
468	Clapp St	PVC	DistMain	T132	200	7.6	2009	80	13	67	\$ 4,500	\$ -	\$ 4,500	\$ 60	\$ 70	\$ 16,960	\$ 123
469	Lacasse Blvd	PVC	DistMain	T201	200	174.8	2009	80	13	67	\$ 103,000	\$ 21,000	\$ 124,000	\$ 1,550	\$ 1,860	\$ 467,340	\$ 3,376
470	Lacasse Blvd	PVC	DistMain	T204	200	45.3	2009	80	13	67	\$ 26,700	\$ 6,000	\$ 32,700	\$ 410	\$ 490	\$ 123,242	\$ 890
471	Lacasse Blvd	PVC	DistMain	T157	200	4.6	2009	80	13	67	\$ 2,800	\$ -	\$ 2,800	\$ 40	\$ 50	\$ 10,553	\$ 76
472	Lacasse Blvd	PVC	DistMain	T157	200	10.1	2009	80	13	67	\$ 6,000	\$ -	\$ 6,000	\$ 80	\$ 90	\$ 22,613	\$ 163
473	Lacasse Blvd	PVC	DistMain	T157	200	87.9	2009	80	13	67	\$ 51,800	\$ 12,000	\$ 63,800	\$ 800	\$ 960	\$ 240,454	\$ 1,737
474	Lacasse Blvd	PVC	DistMain	T157	200	70.7	2009	80	13	67	\$ 41,700	\$ 12,000	\$ 53,700	\$ 680	\$ 810	\$ 202,388	\$ 1,462
475	Lacasse Blvd	PVC	DistMain	T157	200	6.8	2009	80	13	67	\$ 4,100	\$ -	\$ 4,100	\$ 60	\$ 70	\$ 15,452	\$ 112
476	Lanoué St	PVC	DistMain	T315	150	8.7	1997	80	25	55	\$ 4,400	\$ 3,000	\$ 7,400	\$ 100	\$ 140	\$ 21,991	\$ 223
477	Lanoué St	PVC	DistMain	T315	150	1.1	1997	80	25	55	\$ 600	\$ 3,000	\$ 3,600	\$ 50	\$ 70	\$ 10,698	\$ 109
478	Lanoué St	PVC	DistMain	T315	150	94.0	1997	80	25	0	\$ 46,700	\$ 26,900	\$ 73,600	\$ 920	\$ 920	\$ 358,832	\$ 1,852
479	Brenda Cres	PVC	DistMain	T203	150	0.3	1994	80	28	52	\$ 200	\$ -	\$ 200	\$ 10	\$ 10	\$ 560	\$ 6
480	Brenda Cres	PVC	DistMain	T203	150	147.9	1994	80	28	52	\$ 73,600	\$ -	\$ 73,600	\$ 920	\$ 1,420	\$ 206,104	\$ 2,290
481	Brenda Cres	PVC	DistMain	T203	150	1.3	1994	80	28	52	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 1,960	\$ 22
483	St Anne Blvd	PVC	DistMain	T288	150	96.9	1993	80	29	51	\$ 48,200	\$ 21,000	\$ 69,200	\$ 870	\$ 1,360	\$ 189,983	\$ 2,177
484	St Anne Blvd	PVC	DistMain	T288	150	83.8	1993	80	29	51	\$ 41,700	\$ 21,000	\$ 62,700	\$ 790	\$ 1,230	\$ 172,138	\$ 1,972
485	St Anne Blvd	PVC	DistMain	T290	150	11.8	1993	80	29	51	\$ 5,900	\$ 3,000	\$ 8,900	\$ 120	\$ 180	\$ 24,434	\$ 280
487	St Anne Blvd	PVC	DistMain	T290	150	72.8	1993	80	29	51	\$ 36,200	\$ 18,000	\$ 54,200	\$ 680	\$ 1,070	\$ 148,802	\$ 1,705
488	Little River Blvd	PVC	Trunk	T063	300	134.6	1993	80	29	51	\$ 90,100	\$ 6,000	\$ 96,100	\$ 1,210	\$ 1,890	\$ 263,835	\$ 3,023
489	Little River Blvd	PVC	Trunk	T061	300	66.8	1993	80	29	51	\$ 44,800	\$ 15,000	\$ 59,800	\$ 750	\$ 1,180	\$ 164,176	\$ 1,881
490	Little River Blvd	PVC	Trunk	T061	300	56.3	1993	80	29	51	\$ 37,700	\$ 3,000	\$ 40,700	\$ 510	\$ 800	\$ 111,739	\$ 1,280
491	Lacasse Blvd	CON	Trunk	T252	400	3.4	1969	80	53	27	\$ 3,500	\$ -	\$ 3,500	\$ 50	\$ 130	\$ 5,974	\$ 169
492	Lacasse Blvd	PVC	DistMain	T252	250	5.1	1969	80	53	27	\$ 3,200	\$ -	\$ 3,200	\$ 40	\$ 120	\$ 5,462	\$ 155
493	Lacasse Blvd	PVC	Bypass	T253	250	12.7	2006	80	16	64	\$ 7,900	\$ -	\$ 7,900	\$ 100	\$ 130	\$ 28,057	\$ 220

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
497	McNorton St	PVC	DistMain	T194	150	5.2	1980	80	42	38	\$ 2,600	\$ -	\$ 2,600	\$ 40	\$ 70	\$ 5,518	\$ 98
498	Lesperance Rd	PVC	Trunk	T195	300	1.8	2005	80	17	63	\$ 1,300	\$ -	\$ 1,300	\$ 20	\$ 30	\$ 4,526	\$ 36
499	Lesperance Rd	PVC	Trunk	T190	300	91.1	2005	80	17	63	\$ 61,000	\$ -	\$ 61,000	\$ 770	\$ 970	\$ 212,393	\$ 1,712
501	Baillargeon Dr	PVC	DistMain	T189	150	8.9	2005	80	17	63	\$ 4,500	\$ -	\$ 4,500	\$ 60	\$ 80	\$ 15,668	\$ 126
502	Baillargeon Dr	PVC	DistMain	T189	150	0.5	2005	80	17	63	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 1,045	\$ 8
503	Lesperance Rd	PVC	Trunk	T195	300	69.4	2005	60	17	43	\$ 46,500	\$ -	\$ 46,500	\$ 590	\$ 1,090	\$ 108,958	\$ 1,622
504	Baillargeon Dr	PVC	DistMain	T189	150	130.4	1980	80	42	38	\$ 64,900	\$ 50,800	\$ 115,700	\$ 1,450	\$ 3,050	\$ 245,550	\$ 4,376
505	Baillargeon Dr	PVC	DistMain	T189	150	147.0	1980	80	42	38	\$ 73,100	\$ 47,800	\$ 120,900	\$ 1,520	\$ 3,190	\$ 256,586	\$ 4,573
506	Baillargeon Dr	PVC	DistMain	T189	150	2.4	1980	60	42	18	\$ 1,200	\$ -	\$ 1,200	\$ 20	\$ 70	\$ 1,714	\$ 80
507	Lesperance Rd	PVC	Trunk	T187	300	92.4	2005	80	17	63	\$ 61,900	\$ 9,000	\$ 70,900	\$ 890	\$ 1,130	\$ 246,864	\$ 1,989
509	Lesperance Rd	PVC	Trunk	T187	300	52.9	2005	80	17	63	\$ 35,400	\$ -	\$ 35,400	\$ 450	\$ 570	\$ 123,258	\$ 993
511	Orchard Dr	PVC	DistMain	T186	150	12.2	2005	80	17	63	\$ 6,100	\$ -	\$ 6,100	\$ 80	\$ 100	\$ 21,239	\$ 171
512	Orchard Dr	PVC	DistMain	T186	150	3.2	1980	80	42	38	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 50	\$ 3,396	\$ 61
513	Orchard Dr	PVC	DistMain	T186	150	81.8	1980	80	42	38	\$ 40,700	\$ 29,900	\$ 70,600	\$ 890	\$ 1,860	\$ 149,834	\$ 2,670
514	Orchard Dr	PVC	DistMain	T186	150	1.0	1980	80	42	38	\$ 500	\$ -	\$ 500	\$ 10	\$ 20	\$ 1,061	\$ 19
515	Appletree Cres	PVC	DistMain	T183	150	1.8	1980	80	42	38	\$ 900	\$ -	\$ 900	\$ 20	\$ 30	\$ 1,910	\$ 34
516	Orchard Dr	PVC	DistMain	T185	150	1.0	1980	80	42	38	\$ 500	\$ -	\$ 500	\$ 10	\$ 20	\$ 1,061	\$ 19
517	Orchard Dr	PVC	DistMain	T185	150	104.9	1980	80	42	38	\$ 52,200	\$ 29,900	\$ 82,100	\$ 1,030	\$ 2,170	\$ 174,241	\$ 3,105
518	Orchard Dr	PVC	DistMain	T185	150	91.2	1980	80	42	38	\$ 45,400	\$ 23,900	\$ 69,300	\$ 870	\$ 1,830	\$ 147,075	\$ 2,621
519	Appletree Cres	PVC	DistMain	T183	150	67.0	1980	80	42	38	\$ 33,400	\$ 15,000	\$ 48,400	\$ 610	\$ 1,280	\$ 102,719	\$ 1,831
520	Via Roadway	CON	Trunk	T251	400	5.3	1972	80	50	30	\$ 5,400	\$ -	\$ 5,400	\$ 70	\$ 180	\$ 9,781	\$ 241
526	Lanoue St	PVC	DistMain	T315	200	91.7	1991	80	31	49	\$ 54,100	\$ 21,000	\$ 75,100	\$ 940	\$ 1,540	\$ 198,175	\$ 2,419
527	Lanoue St	PVC	DistMain	T315	200	16.4	1991	80	31	0	\$ 9,700	\$ 3,000	\$ 12,700	\$ 160	\$ 160	\$ 61,918	\$ 320
528	Lanoue St	PVC	DistMain	T318	200	18.9	1991	80	31	0	\$ 11,200	\$ 3,000	\$ 14,200	\$ 180	\$ 180	\$ 69,231	\$ 357
529	Lanoue St	PVC	DistMain	T316	200	35.4	1991	80	31	0	\$ 20,900	\$ 9,000	\$ 29,900	\$ 380	\$ 380	\$ 145,776	\$ 752
530	Lanoue St	PVC	DistMain	T316	200	4.0	1991	80	31	49	\$ 2,400	\$ -	\$ 2,400	\$ 30	\$ 50	\$ 6,333	\$ 77
532	Arbour St	PVC	DistMain	T310	150	7.0	1972	60	50	10	\$ 3,600	\$ -	\$ 3,600	\$ 50	\$ 360	\$ 4,388	\$ 401
533	Arbour St	PVC	DistMain	T310	200	1.2	1991	60	31	29	\$ 800	\$ -	\$ 800	\$ 10	\$ 30	\$ 1,421	\$ 37
534	Arbour St	PVC	DistMain	T310	200	34.2	1991	60	31	29	\$ 20,200	\$ -	\$ 20,200	\$ 260	\$ 700	\$ 35,872	\$ 925
535	Lanoue St	PVC	DistMain	T317	200	63.5	1991	80	31	49	\$ 37,500	\$ 23,900	\$ 61,400	\$ 770	\$ 1,260	\$ 162,023	\$ 1,977
536	Lanoue St	PVC	DistMain	T317	200	110.8	1991	80	31	49	\$ 65,300	\$ 41,900	\$ 107,200	\$ 1,340	\$ 2,190	\$ 282,881	\$ 3,452
537	Lacasse Blvd	CON	DistMain	T252	400	2.2	1972	80	50	30	\$ 2,300	\$ -	\$ 2,300	\$ 30	\$ 80	\$ 4,166	\$ 103
539	St Pierre St	CI	DistMain	T151	150	246.5	1960	80	62	18	\$ 122,600	\$ 38,900	\$ 161,500	\$ 2,020	\$ 8,980	\$ 230,662	\$ 10,772
540	St Pierre St	CI	DistMain	T197	150	304.4	1960	80	62	18	\$ 151,300	\$ 74,700	\$ 226,000	\$ 2,830	\$ 12,560	\$ 322,784	\$ 15,075
541	St Pierre St	CI	DistMain	T214	150	339.9	1960	80	62	18	\$ 169,000	\$ 68,800	\$ 237,800	\$ 2,980	\$ 13,220	\$ 339,637	\$ 15,862
542	Labute St	CI	DistMain	T155	150	115.1	1971	80	51	29	\$ 57,200	\$ 41,900	\$ 99,100	\$ 1,240	\$ 3,420	\$ 175,986	\$ 4,537
543	Clapp St	CI	DistMain	T127	200	91.2	1968	80	54	26	\$ 53,800	\$ -	\$ 53,800	\$ 680	\$ 2,070	\$ 90,030	\$ 2,674
544	Clapp St	CI	DistMain	T128	150	102.9	1968	80	54	26	\$ 51,200	\$ 6,000	\$ 57,200	\$ 720	\$ 2,200	\$ 95,720	\$ 2,843
545	Clapp St	CI	DistMain	T130	150	83.2	1968	80	54	26	\$ 41,400	\$ 18,000	\$ 59,400	\$ 750	\$ 2,290	\$ 99,401	\$ 2,952
546	Clapp St	CI	DistMain	T132	150	81.0	1968	60	54	6	\$ 40,300	\$ 15,000	\$ 55,300	\$ 700	\$ 9,220	\$ 62,277	\$ 9,872
547	William St	CI	DistMain	T216	150	153.3	1960	60	62	0	\$ 76,200	\$ 23,900	\$ 100,100	\$ 1,260	\$ 1,260	\$ 488,031	\$ 2,519
548	William St	CI	DistMain	T153	150	222.4	1960	60	62	0	\$ 110,600	\$ 44,900	\$ 155,500	\$ 1,950	\$ 1,950	\$ 758,131	\$ 3,912
549	William St	CI	DistMain	T199	150	333.5	1960	60	62	0	\$ 165,800	\$ 53,800	\$ 219,600	\$ 2,750	\$ 2,750	\$ 1,070,646	\$ 5,525
550	St Thomas St	CI	DistMain	T154	150	81.5	1970	60	52	8	\$ 40,600	\$ 6,000	\$ 46,600	\$ 590	\$ 5,830	\$ 54,599	\$ 6,361
551	Lacasse Blvd	PVC	DistMain	T157	200	9.5	2009	60	13	47	\$ 5,700	\$ -	\$ 5,700	\$ 80	\$ 130	\$ 14,457	\$ 188
552	Lacasse Blvd	PVC	DistMain	T157	200	8.3	2009	60	13	47	\$ 5,000	\$ -	\$ 5,000	\$ 70	\$ 110	\$ 12,682	\$ 165
553	St Thomas St	CI	DistMain	T156	150	92.8	1970	60	52	8	\$ 46,100	\$ 6,000	\$ 52,100	\$ 660	\$ 6,520	\$ 61,043	\$ 7,112
554	Poisson St	DI	DistMain	T297	150	5.4	1980	60	42	18	\$ 2,800	\$ -	\$ 2,800	\$ 40	\$ 160	\$ 3,999	\$ 187
555	Poisson St	DI	DistMain	T297	150	4.1	1980	60	42	18	\$ 2,100	\$ -	\$ 2,100	\$ 30	\$ 120	\$ 2,999	\$ 140
556	Poisson St	DI	DistMain	T297	150	3.2	1980	60	42	18	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 90	\$ 2,285	\$ 107
557	Poisson St	DI	DistMain	T297	150	0.7	1980	60	42	18	\$ 400	\$ -	\$ 400	\$ 10	\$ 30	\$ 571	\$ 27

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Watermain Inventory

GIS Database											2021 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				
558	Poisson St	DI	DistMain	T297	150	1.1	1980	60	42	18	\$ 600	\$ -	\$ 600	\$ 10	\$ 40	\$ 857	\$ 40
560	Tecumseh Rd	DI	Trunk	T264	400	56.7	1980	60	42	18	\$ 57,600	\$ 21,000	\$ 78,600	\$ 990	\$ 4,370	\$ 112,260	\$ 5,243
561	St Anne Blvd	PVC	DistMain	T298	150	3.2	1980	80	42	38	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 50	\$ 3,396	\$ 61
562	St Anne Blvd	PVC	DistMain	T298	150	10.0	1980	80	42	38	\$ 5,000	\$ 3,000	\$ 8,000	\$ 100	\$ 220	\$ 16,978	\$ 303
563	St Anne Blvd	PVC	DistMain	T295	150	97.2	1991	60	31	29	\$ 48,400	\$ 15,000	\$ 63,400	\$ 800	\$ 2,190	\$ 112,589	\$ 2,902
565	St Anne Blvd	PVC	DistMain	T298	150	1.1	1980	60	42	18	\$ 600	\$ -	\$ 600	\$ 10	\$ 40	\$ 857	\$ 40
566	Tecumseh Rd	DI	Trunk	T265	400	106.5	1980	60	42	18	\$ 108,100	\$ 23,900	\$ 132,000	\$ 1,650	\$ 7,340	\$ 188,529	\$ 8,805
571	Tecumseh Rd	DI	DistMain	T312	150	12.5	1980	60	42	18	\$ 6,300	\$ -	\$ 6,300	\$ 80	\$ 350	\$ 8,998	\$ 420
575	St Thomas Cres	PVC	DistMain	T188	150	7.8	1980	60	42	18	\$ 3,900	\$ 3,000	\$ 6,900	\$ 90	\$ 390	\$ 9,855	\$ 460
576	St Thomas Cres	PVC	DistMain	T188	150	82.5	1980	60	42	18	\$ 41,000	\$ 29,900	\$ 70,900	\$ 890	\$ 3,940	\$ 101,263	\$ 4,729
577	Papineau Cr	DI	DistMain	T124	150	68.4	1977	80	45	35	\$ 34,000	\$ 29,900	\$ 63,900	\$ 800	\$ 1,830	\$ 127,793	\$ 2,556
578	Papineau Cr	DI	DistMain	T124	150	109.7	1977	80	45	35	\$ 54,600	\$ 35,900	\$ 90,500	\$ 1,140	\$ 2,590	\$ 180,990	\$ 3,620
579	Papineau Cr	DI	DistMain	T124	150	47.4	1977	80	45	35	\$ 23,600	\$ 9,000	\$ 32,600	\$ 410	\$ 940	\$ 65,196	\$ 1,304
582	Gauthier Dr	DI	DistMain	T104	150	39.7	1974	80	48	32	\$ 19,800	\$ -	\$ 19,800	\$ 250	\$ 620	\$ 37,314	\$ 844
583	Gauthier Dr	DI	DistMain	T104	150	14.4	1974	80	48	32	\$ 7,200	\$ -	\$ 7,200	\$ 90	\$ 230	\$ 13,569	\$ 307
584	Gauthier Dr	DI	DistMain	T104	150	3.5	1974	60	48	12	\$ 1,800	\$ -	\$ 1,800	\$ 30	\$ 150	\$ 2,283	\$ 170
585	Gauthier Dr	DI	DistMain	T107	150	2.9	1974	60	48	12	\$ 1,500	\$ -	\$ 1,500	\$ 20	\$ 130	\$ 1,902	\$ 142
586	Gauthier Dr	DI	DistMain	T107	150	6.6	1974	80	48	32	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 110	\$ 6,219	\$ 141
587	Gauthier Dr	DI	DistMain	T107	150	8.1	1974	80	48	32	\$ 4,100	\$ 3,000	\$ 7,100	\$ 90	\$ 230	\$ 13,380	\$ 303
588	Gauthier Dr	DI	DistMain	T107	150	39.5	1974	60	48	12	\$ 19,700	\$ 6,000	\$ 25,700	\$ 330	\$ 2,150	\$ 32,594	\$ 2,430
589	Arbour St	CI	DistMain	T294	150	4.2	1955	60	67	0	\$ 2,100	\$ 9,000	\$ 11,100	\$ 140	\$ 140	\$ 54,117	\$ 279
590	Lanoue St	PVC	DistMain	T317	200	20.5	1991	60	31	29	\$ 12,100	\$ 6,000	\$ 18,100	\$ 230	\$ 630	\$ 32,143	\$ 829
591	Lanoue St	PVC	DistMain	T317	200	13.4	1991	80	31	0	\$ 7,900	\$ -	\$ 7,900	\$ 100	\$ 100	\$ 38,516	\$ 199
592	Lacasse Blvd	CON	Trunk	T252	400	1.5	1972	80	50	30	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 60	\$ 2,898	\$ 71
593	Lacasse Blvd	CON	Trunk	T252	400	3.9	1972	80	50	30	\$ 4,000	\$ -	\$ 4,000	\$ 50	\$ 140	\$ 7,245	\$ 179
595	Lacasse Blvd	CON	Trunk	T252	400	45.9	1972	80	50	30	\$ 46,700	\$ -	\$ 46,700	\$ 590	\$ 1,560	\$ 84,591	\$ 2,085
596	Via Roadway	CON	Trunk	T251	400	0.6	1972	80	50	30	\$ 600	\$ -	\$ 600	\$ 10	\$ 20	\$ 1,087	\$ 27
597	Via Roadway	CON	Trunk	T252	400	46.2	1972	80	50	30	\$ 47,000	\$ -	\$ 47,000	\$ 590	\$ 1,570	\$ 85,134	\$ 2,099
598	Via Roadway	PVC	DistMain	T253	150	0.6	1972	80	50	30	\$ 400	\$ -	\$ 400	\$ 10	\$ 20	\$ 725	\$ 18
603	Chene St	DI	DistMain	T020	150	269.5	1978	60	44	16	\$ 134,000	\$ 77,700	\$ 211,700	\$ 2,650	\$ 13,240	\$ 290,619	\$ 15,592
604	Dillon Dr	PVC	DistMain	T021	150	71.4	1979	60	43	17	\$ 35,600	\$ 9,000	\$ 44,600	\$ 560	\$ 2,630	\$ 62,451	\$ 3,121
605	Dillon Dr	PVC	DistMain	T019	150	54.7	1979	60	43	17	\$ 27,200	\$ 9,000	\$ 36,200	\$ 460	\$ 2,130	\$ 50,689	\$ 2,533
606	Dillon Dr	CI	Trunk	T019	400	54.1	1964	60	58	2	\$ 55,000	\$ -	\$ 55,000	\$ 690	\$ 27,500	\$ 57,222	\$ 28,328
607	Dillon Dr	CI	Trunk	T021	400	112.8	1964	80	58	22	\$ 114,500	\$ 9,000	\$ 123,500	\$ 1,550	\$ 5,620	\$ 190,928	\$ 6,994
608	Dillon Dr	PVC	DistMain	T019	150	44.6	1988	60	34	26	\$ 22,200	\$ -	\$ 22,200	\$ 280	\$ 860	\$ 37,150	\$ 1,103
609	Dillon Dr	PVC	DistMain	T017	150	105.7	1988	60	34	26	\$ 52,600	\$ 9,000	\$ 61,600	\$ 770	\$ 2,370	\$ 103,083	\$ 3,061
610	Kenney Cr	PVC	DistMain	T018	150	37.6	1988	60	34	26	\$ 18,800	\$ 3,000	\$ 21,800	\$ 280	\$ 840	\$ 36,481	\$ 1,083
611	Somerville St	PVC	DistMain	T051	150	276.3	1988	60	34	26	\$ 137,400	\$ 77,700	\$ 215,100	\$ 2,690	\$ 8,280	\$ 359,952	\$ 10,690
612	Gauthier Dr	PVC	DistMain	T049	150	7.1	1988	60	34	26	\$ 3,600	\$ 3,000	\$ 6,600	\$ 90	\$ 260	\$ 11,045	\$ 328
613	Kenney Cr	PVC	DistMain	T018	150	130.5	1988	80	34	46	\$ 64,900	\$ 44,900	\$ 109,800	\$ 1,380	\$ 2,390	\$ 273,030	\$ 3,673
614	Gauthier Dr	PVC	DistMain	T049	150	312.1	1988	80	34	46	\$ 155,200	\$ 89,700	\$ 244,900	\$ 3,070	\$ 5,330	\$ 608,971	\$ 8,193
615	Gauthier Dr	PVC	DistMain	T104	150	76.8	1988	60	34	26	\$ 38,200	\$ 23,900	\$ 62,100	\$ 780	\$ 2,390	\$ 103,919	\$ 3,086
616	Dillon Dr	CI	Trunk	T017	400	197.9	1964	60	58	2	\$ 200,900	\$ 12,000	\$ 212,900	\$ 2,670	\$ 106,450	\$ 221,501	\$ 109,654
617	Chene St	PVC	DistMain	T053	150	26.0	1988	80	34	46	\$ 13,000	\$ -	\$ 13,000	\$ 170	\$ 290	\$ 32,326	\$ 435
618	Chene St	PVC	DistMain	T053	150	255.0	1988	80	34	46	\$ 126,800	\$ 65,800	\$ 192,600	\$ 2,410	\$ 4,190	\$ 478,921	\$ 6,443
619	Lesperance Rd	CI	DistMain	T056	150	183.8	1986	80	36	44	\$ 91,400	\$ 18,000	\$ 109,400	\$ 1,370	\$ 2,490	\$ 261,472	\$ 3,762
620	Lesperance Rd	CI	DistMain	T056	150	43.9	1986	80	36	44	\$ 21,900	\$ -	\$ 21,900	\$ 280	\$ 500	\$ 52,342	\$ 753
621	Dillon Dr	PVC	DistMain	T023	150	66.5	1986	80	36	44	\$ 33,100	\$ -	\$ 33,100	\$ 420	\$ 760	\$ 79,111	\$ 1,138
622	St Pierre St	CI	DistMain	T024	150	261.1	1955	80	67	13	\$ 129,800	\$ 47,800	\$ 177,600	\$ 2,220	\$ 13,670	\$ 229,745	\$ 15,650
623	St Pierre St	CI	DistMain	T059	150	120.0	1978	80	44	36	\$ 59,700	\$ 15,000	\$ 74,700	\$ 940	\$ 2,080	\$ 152,380	\$ 2,931
624	St Pierre St	CI	DistMain	T129	150	160.8	1978	80	44	36	\$ 80,000	\$ 128,500	\$ 208,500	\$ 2,610	\$ 5,800	\$ 425,317	\$ 8,180

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
625	Tecumseh Rd	DI	Trunk	T267	400	170.8	1980	60	42	18	\$ 173,400	\$ 35,900	\$ 209,300	\$ 2,620	\$ 11,630	\$ 298,932	\$ 13,961
626	Tecumseh Rd	DI	Trunk	T267	400	69.1	1980	80	42	38	\$ 70,200	\$ 6,000	\$ 76,200	\$ 960	\$ 2,010	\$ 161,719	\$ 2,882
627	Bedell St	PVC	DistMain	T314	200	9.3	2007	80	15	65	\$ 5,500	\$ -	\$ 5,500	\$ 70	\$ 90	\$ 19,924	\$ 152
628	Tecumseh Rd	DI	Trunk	T268	400	75.6	1980	60	42	18	\$ 76,800	\$ 9,000	\$ 85,800	\$ 1,080	\$ 4,770	\$ 122,544	\$ 5,723
629	Lesperance Rd	DI	DistMain	T312	150	82.4	1980	60	42	18	\$ 41,000	\$ 6,000	\$ 47,000	\$ 590	\$ 2,620	\$ 67,128	\$ 3,135
634	Lesperance Rd	PVC	Trunk	T266	300	94.0	2006	80	16	64	\$ 62,900	\$ 15,000	\$ 77,900	\$ 980	\$ 1,220	\$ 276,661	\$ 2,169
638	McNorton St	PVC	DistMain	T194	150	50.6	1980	60	42	18	\$ 25,200	\$ 9,000	\$ 34,200	\$ 430	\$ 1,900	\$ 48,846	\$ 2,281
640	McNorton St	PVC	DistMain	T194	150	160.5	1980	60	42	18	\$ 79,800	\$ 29,900	\$ 109,700	\$ 1,380	\$ 6,100	\$ 156,679	\$ 7,317
642	Lesperance Rd	PVC	DistMain	T311	150	111.1	1994	60	28	32	\$ 55,300	\$ 6,000	\$ 61,300	\$ 770	\$ 1,920	\$ 115,522	\$ 2,612
643	Lesperance Rd	PVC	DistMain	T307	150	114.6	1994	60	28	32	\$ 57,000	\$ 21,000	\$ 78,000	\$ 980	\$ 2,440	\$ 146,994	\$ 3,324
644	Lesperance Rd	PVC	DistMain	T299	150	65.1	1994	60	28	32	\$ 32,400	\$ 6,000	\$ 38,400	\$ 480	\$ 1,200	\$ 72,366	\$ 1,636
645	Lesperance Rd	CI	DistMain	T299	150	106.8	1960	80	62	18	\$ 53,100	\$ 15,000	\$ 68,100	\$ 860	\$ 3,790	\$ 97,264	\$ 4,542
646	McNorton St	PVC	DistMain	T194	150	44.4	1980	60	42	18	\$ 22,100	\$ 6,000	\$ 28,100	\$ 360	\$ 1,570	\$ 40,134	\$ 1,874
647	McNorton St	PVC	DistMain	T195	150	2.5	1980	60	42	18	\$ 1,300	\$ -	\$ 1,300	\$ 20	\$ 80	\$ 1,857	\$ 87
648	McNorton St	PVC	DistMain	T196	150	38.2	1980	80	42	38	\$ 19,000	\$ 6,000	\$ 25,000	\$ 320	\$ 660	\$ 53,057	\$ 946
649	Meander Cres	PVC	DistMain	T131	150	2.2	1989	81	33	48	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 30	\$ 2,846	\$ 36
650	Lacasse Blvd	PVC	DistMain	T134	150	1.9	1989	80	33	47	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 30	\$ 2,536	\$ 33
651	Lacasse Blvd	PVC	DistMain	T134	150	76.5	1989	80	33	47	\$ 38,100	\$ 6,000	\$ 44,100	\$ 560	\$ 940	\$ 111,853	\$ 1,456
652	Lacasse Blvd	PVC	DistMain	T133	150	89.2	1989	80	33	47	\$ 44,400	\$ -	\$ 44,400	\$ 560	\$ 950	\$ 112,614	\$ 1,466
653	Lacasse Blvd	PVC	DistMain	T133	150	21.8	1989	80	33	47	\$ 10,900	\$ -	\$ 10,900	\$ 140	\$ 240	\$ 27,646	\$ 360
654	Lacasse Blvd	PVC	DistMain	T133	150	87.3	1989	80	33	47	\$ 43,500	\$ -	\$ 43,500	\$ 550	\$ 930	\$ 110,331	\$ 1,436
655	Lacasse Blvd	CON	Trunk	T157	400	23.7	1969	80	53	27	\$ 24,100	\$ -	\$ 24,100	\$ 310	\$ 900	\$ 41,136	\$ 1,164
657	Lacasse Blvd	PVC	DistMain	T157	150	1.3	2009	80	13	67	\$ 700	\$ 3,000	\$ 3,700	\$ 50	\$ 60	\$ 13,945	\$ 101
661	Lacasse Blvd	PVC	DistMain	T157	150	14.2	2009	80	13	67	\$ 7,100	\$ -	\$ 7,100	\$ 90	\$ 110	\$ 26,759	\$ 193
662	Lacasse Blvd	CON	Trunk	T157	400	200.5	1969	80	53	27	\$ 203,500	\$ 3,000	\$ 206,500	\$ 2,590	\$ 7,650	\$ 352,472	\$ 9,973
663	Lacasse Blvd	CON	Trunk	T157	400	15.4	1969	80	53	27	\$ 15,700	\$ -	\$ 15,700	\$ 200	\$ 590	\$ 26,798	\$ 758
664	Lacasse Blvd	CON	Trunk	T207	400	159.5	1969	80	53	27	\$ 161,900	\$ 9,000	\$ 170,900	\$ 2,140	\$ 6,330	\$ 291,707	\$ 8,253
665	Lacasse Blvd	CON	Trunk	T201	400	15.2	1969	80	53	27	\$ 15,500	\$ -	\$ 15,500	\$ 200	\$ 580	\$ 26,457	\$ 749
666	Brenda Cres	DI	DistMain	T203	150	52.5	1994	95	28	67	\$ 26,100	\$ -	\$ 26,100	\$ 330	\$ 390	\$ 98,368	\$ 711
667	Brenda Cres	DI	DistMain	T203	150	1.3	1994	96	28	68	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,691	\$ 19
668	Brenda Cres	PVC	DistMain	T203	150	0.6	1994	97	28	69	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,568	\$ 11
669	Lacasse Blvd	PVC	Trunk	T064	300	1.6	1980	80	42	38	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 30	\$ 2,335	\$ 42
670	Lacasse Blvd	PVC	DistMain	T207	200	69.5	2009	80	13	67	\$ 41,000	\$ 6,000	\$ 47,000	\$ 590	\$ 710	\$ 177,137	\$ 1,279
671	Lacasse Blvd	PVC	DistMain	T207	150	6.3	1964	80	58	22	\$ 3,200	\$ 3,000	\$ 6,200	\$ 80	\$ 290	\$ 9,585	\$ 351
672	Gauthier Dr	PVC	DistMain	T122	150	13.5	1980	101	42	59	\$ 6,800	\$ 3,000	\$ 9,800	\$ 130	\$ 170	\$ 31,524	\$ 284
673	Gauthier Dr	PVC	DistMain	T122	150	152.2	1980	102	42	60	\$ 75,700	\$ 50,800	\$ 126,500	\$ 1,590	\$ 2,110	\$ 415,050	\$ 3,639
674	Gauthier Dr	PVC	DistMain	T122	150	30.3	1980	103	42	61	\$ 15,100	\$ 12,000	\$ 27,100	\$ 340	\$ 450	\$ 90,694	\$ 773
675	Gauthier Dr	PVC	DistMain	T122	150	23.2	1980	104	42	62	\$ 11,600	\$ 6,000	\$ 17,600	\$ 220	\$ 290	\$ 60,079	\$ 498
676	Lesperance Rd	PVC	Trunk	T123	300	56.5	2005	105	17	88	\$ 37,900	\$ -	\$ 37,900	\$ 480	\$ 440	\$ 216,498	\$ 919
679	Demarse Crt	PVC	DistMain	T301	150	131.0	1995	106	27	79	\$ 65,100	\$ 3,000	\$ 68,100	\$ 860	\$ 870	\$ 325,507	\$ 1,722
680	Demarse Crt	PVC	DistMain	T302	150	109.8	1995	107	27	80	\$ 54,600	\$ 47,800	\$ 102,400	\$ 1,280	\$ 1,280	\$ 499,245	\$ 2,576
681	Demarse Crt	PVC	DistMain	T303	150	91.5	1995	60	27	33	\$ 45,500	\$ 41,900	\$ 87,400	\$ 1,100	\$ 2,650	\$ 168,003	\$ 3,643
682	Arbour St	CI	DistMain	T308	150	214.6	1996	60	26	34	\$ 106,700	\$ 50,800	\$ 157,500	\$ 1,970	\$ 4,640	\$ 308,806	\$ 6,429
683	Arbour St	PVC	DistMain	T310	150	16.4	2007	80	15	65	\$ 8,200	\$ 3,000	\$ 11,200	\$ 140	\$ 180	\$ 40,572	\$ 309
685	Renaud St	PVC	DistMain	T304	150	53.6	2005	80	17	63	\$ 26,700	\$ 6,000	\$ 32,700	\$ 410	\$ 520	\$ 113,857	\$ 918
686	Renaud St	PVC	DistMain	T300	150	173.8	1996	80	26	54	\$ 86,400	\$ 47,800	\$ 134,200	\$ 1,680	\$ 2,490	\$ 390,987	\$ 4,087
687	Oakpark Dr	PVC	DistMain	T139	150	158.9	1989	80	33	47	\$ 79,000	\$ 47,800	\$ 126,800	\$ 1,590	\$ 2,700	\$ 321,608	\$ 4,187
688	Oakpark Dr	PVC	DistMain	T138	150	96.4	1989	80	33	47	\$ 47,900	\$ 18,000	\$ 65,900	\$ 830	\$ 1,410	\$ 167,145	\$ 2,176
689	Oakpark Dr	PVC	DistMain	T136	150	245.4	1989	80	33	47	\$ 122,000	\$ 59,800	\$ 181,800	\$ 2,280	\$ 3,870	\$ 461,107	\$ 6,003
690	Poisson St	PVC	DistMain	T292	150	243.5	2000	80	22	58	\$ 121,100	\$ 98,600	\$ 219,700	\$ 2,750	\$ 3,790	\$ 692,851	\$ 6,434
694	Champ Cres	PVC	DistMain	T276	150	131.6	2002	80	20	60	\$ 65,400	\$ 74,700	\$ 140,100	\$ 1,760	\$ 2,340	\$ 459,672	\$ 4,030

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
696	Gauthier Dr	PVC	DistMain	T122	150	281.2	1980	80	42	38	\$ 139,800	\$ 95,600	\$ 235,400	\$ 2,950	\$ 6,200	\$ 499,589	\$ 8,903
697	Evergreen Dr	CI	DistMain	T120	150	72.6	1966	60	56	4	\$ 36,100	\$ 15,000	\$ 51,100	\$ 640	\$ 12,780	\$ 55,312	\$ 13,420
698	Evergreen Dr	CI	DistMain	T120	150	183.7	1966	80	56	24	\$ 91,400	\$ 12,000	\$ 103,400	\$ 1,300	\$ 4,310	\$ 166,312	\$ 5,467
699	Evergreen Dr	PVC	DistMain	T120	150	0.4	2005	80	17	63	\$ 200	\$ -	\$ 200	\$ 10	\$ 10	\$ 696	\$ 6
701	Valente Crt	PVC	DistMain	T113	150	58.9	1980	80	42	38	\$ 29,300	\$ 3,000	\$ 32,300	\$ 410	\$ 850	\$ 68,550	\$ 1,222
702	Lesperance Rd	PVC	Trunk	T121	300	0.7	2005	80	17	63	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,089	\$ 17
703	Lesperance Rd	PVC	Trunk	T121	300	1.0	2005	80	17	63	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,437	\$ 20
705	Valente Crt	DI	DistMain	T117	150	3.1	1979	80	43	37	\$ 1,600	\$ 3,000	\$ 4,600	\$ 60	\$ 130	\$ 9,571	\$ 177
706	Valente Crt	DI	DistMain	T117	150	48.6	1979	80	43	37	\$ 24,200	\$ -	\$ 24,200	\$ 310	\$ 660	\$ 50,353	\$ 932
707	Valente Crt	DI	DistMain	T117	150	41.9	1979	80	43	37	\$ 20,900	\$ 6,000	\$ 26,900	\$ 340	\$ 730	\$ 55,970	\$ 1,036
708	Valente Crt	DI	DistMain	T117	150	16.3	1979	80	43	37	\$ 8,100	\$ 3,000	\$ 11,100	\$ 140	\$ 300	\$ 23,096	\$ 427
709	Valente Crt	DI	DistMain	T115	150	91.4	1979	80	43	37	\$ 45,500	\$ 18,000	\$ 63,500	\$ 800	\$ 1,720	\$ 132,124	\$ 2,445
710	St Thomas St	CI	DistMain	T158	150	213.5	1970	80	52	28	\$ 106,200	\$ 23,900	\$ 130,100	\$ 1,630	\$ 4,650	\$ 226,507	\$ 6,113
711	St Thomas St	CI	DistMain	T159	150	142.7	1970	80	52	28	\$ 71,000	\$ 21,000	\$ 92,000	\$ 1,150	\$ 3,290	\$ 160,174	\$ 4,323
712	St Thomas St	PVC	DistMain	T163	150	78.0	1989	60	33	27	\$ 38,800	\$ 3,000	\$ 41,800	\$ 530	\$ 1,550	\$ 71,348	\$ 2,019
713	McNorton St	PVC	Trunk	T200	300	166.7	2005	60	17	43	\$ 111,600	\$ 29,900	\$ 141,500	\$ 1,770	\$ 3,300	\$ 331,561	\$ 4,937
714	St Denis St	CI	DistMain	T217	150	137.6	1960	80	62	18	\$ 68,400	\$ 18,000	\$ 86,400	\$ 1,080	\$ 2,800	\$ 123,400	\$ 5,763
715	St Denis St	CI	DistMain	T213	150	90.5	1960	80	62	18	\$ 45,000	\$ 6,000	\$ 51,000	\$ 640	\$ 4,840	\$ 72,841	\$ 3,402
716	St Denis St	CI	DistMain	T215	150	139.8	1960	80	62	18	\$ 69,500	\$ 3,000	\$ 72,500	\$ 910	\$ 4,030	\$ 103,548	\$ 4,836
717	Tecumseh Rd	PVC	DistMain	T251	250	2.8	1992	80	30	50	\$ 1,800	\$ -	\$ 1,800	\$ 30	\$ 40	\$ 4,845	\$ 57
720	Dillon Dr	CI	DistMain	T025	150	132.5	1976	80	46	34	\$ 65,900	\$ 9,000	\$ 74,900	\$ 940	\$ 2,210	\$ 146,855	\$ 3,057
721	Dillon Dr	CI	DistMain	T026	150	95.9	1976	60	46	14	\$ 47,700	\$ 6,000	\$ 53,700	\$ 680	\$ 3,840	\$ 70,856	\$ 4,436
722	Dillon Dr	CI	DistMain	T028	150	153.7	1976	80	46	34	\$ 76,500	\$ 12,000	\$ 88,500	\$ 1,110	\$ 2,610	\$ 173,520	\$ 3,612
723	Coronado Dr	CI	DistMain	T029	150	94.6	1955	80	67	13	\$ 47,000	\$ 3,000	\$ 50,000	\$ 630	\$ 3,850	\$ 64,680	\$ 4,406
724	Dillon Dr	CI	DistMain	T030	150	97.1	1955	80	67	13	\$ 48,300	\$ 9,000	\$ 57,300	\$ 720	\$ 4,410	\$ 74,124	\$ 5,049
725	Dillon Dr	CI	DistMain	T031	150	249.5	1955	80	67	13	\$ 124,000	\$ 29,900	\$ 153,900	\$ 1,930	\$ 11,840	\$ 199,086	\$ 13,561
726	Coronado Dr	CI	DistMain	T068	150	232.9	1955	60	67	0	\$ 115,800	\$ 18,000	\$ 133,800	\$ 1,680	\$ 1,680	\$ 652,334	\$ 3,367
727	Coronado Dr	CI	DistMain	T073	150	128.2	1955	60	67	0	\$ 63,800	\$ 15,000	\$ 78,800	\$ 990	\$ 990	\$ 384,185	\$ 1,983
728	Coronado Dr	CI	DistMain	T078	150	78.0	1955	80	67	13	\$ 38,800	\$ 12,000	\$ 50,800	\$ 640	\$ 3,910	\$ 65,715	\$ 4,476
729	Burdick Cres	CI	DistMain	T070	150	110.3	1955	80	67	13	\$ 54,900	\$ 6,000	\$ 60,900	\$ 770	\$ 4,690	\$ 78,781	\$ 5,366
730	Burdick Cres	CI	DistMain	T075	150	192.6	1955	60	67	0	\$ 95,800	\$ 26,900	\$ 122,700	\$ 1,540	\$ 1,540	\$ 598,216	\$ 3,087
731	Barry Ave	CI	DistMain	T033	150	104.0	1955	60	67	0	\$ 51,700	\$ 3,000	\$ 54,700	\$ 690	\$ 690	\$ 266,687	\$ 1,376
732	Barry Ave	CI	DistMain	T077	150	286.4	1955	60	67	0	\$ 142,400	\$ -	\$ 142,400	\$ 1,780	\$ 1,780	\$ 694,263	\$ 3,583
733	Keith Ave	CI	DistMain	T071	100	105.5	1955	80	67	13	\$ 46,100	\$ -	\$ 46,100	\$ 580	\$ 3,550	\$ 59,635	\$ 4,062
734	Barry Ave	CI	DistMain	T082	150	78.1	1955	60	67	0	\$ 38,900	\$ 3,000	\$ 41,900	\$ 530	\$ 530	\$ 204,281	\$ 1,054
735	Horwood Cres	PVC	DistMain	T221	150	253.9	1994	60	28	32	\$ 126,200	\$ 12,000	\$ 138,200	\$ 1,730	\$ 4,320	\$ 260,444	\$ 5,889
736	Primrose Pl	PVC	DistMain	T240	150	1.4	1981	60	41	19	\$ 800	\$ -	\$ 800	\$ 10	\$ 50	\$ 1,165	\$ 51
737	Juniper Crt	PVC	DistMain	T242	150	1.0	1981	60	41	19	\$ 600	\$ -	\$ 600	\$ 10	\$ 40	\$ 874	\$ 38
738	St Gregorys Rd	PVC	Trunk	T243	300	79.4	1981	60	41	19	\$ 53,200	\$ 18,000	\$ 71,200	\$ 890	\$ 3,750	\$ 103,725	\$ 4,541
739	St Gregorys Rd	PVC	Trunk	T239	300	91.7	1981	60	41	19	\$ 61,400	\$ 12,000	\$ 73,400	\$ 920	\$ 3,870	\$ 106,930	\$ 4,682
740	St Gregorys Rd	PVC	Trunk	T241	300	101.5	1981	60	41	19	\$ 67,900	\$ 29,900	\$ 97,800	\$ 1,230	\$ 5,150	\$ 142,476	\$ 6,238
741	Dillon Dr	PVC	DistMain	T034	150	87.9	1987	60	35	25	\$ 43,700	\$ 21,000	\$ 64,700	\$ 810	\$ 2,590	\$ 106,147	\$ 3,314
742	Michael Dr	PVC	DistMain	T087	150	95.6	1980	60	42	18	\$ 47,600	\$ 18,000	\$ 65,600	\$ 820	\$ 3,650	\$ 93,693	\$ 4,376
743	Michael Dr	PVC	DistMain	T089	150	103.5	1980	60	42	18	\$ 51,500	\$ 21,000	\$ 72,500	\$ 910	\$ 4,030	\$ 103,548	\$ 4,836
744	Michael Dr	PVC	DistMain	T084	150	88.0	1980	60	42	18	\$ 43,800	\$ 9,000	\$ 52,800	\$ 660	\$ 2,940	\$ 75,411	\$ 3,522
745	Dillon Dr	PVC	DistMain	T034	150	96.9	1980	60	42	18	\$ 48,200	\$ 23,900	\$ 72,100	\$ 910	\$ 4,010	\$ 102,977	\$ 4,809
746	James Cres	PVC	DistMain	T086	150	92.7	1997	60	25	35	\$ 46,100	\$ 35,900	\$ 82,000	\$ 1,030	\$ 2,350	\$ 163,991	\$ 3,280
747	James Cres	PVC	DistMain	T086	150	19.3	1997	60	25	35	\$ 9,600	\$ 12,000	\$ 21,600	\$ 270	\$ 620	\$ 43,198	\$ 864
748	James Cres	PVC	DistMain	T085	150	81.8	1997	60	25	35	\$ 40,700	\$ 9,000	\$ 49,700	\$ 630	\$ 1,420	\$ 99,395	\$ 1,988
749	James Cres	PVC	DistMain	T085	150	75.0	1980	80	42	38	\$ 37,300	\$ 21,000	\$ 58,300	\$ 730	\$ 1,540	\$ 123,730	\$ 2,205
750	Dillon Dr	PVC	DistMain	T035	150	76.9	1980	80	42	38	\$ 38,200	\$ 23,900	\$ 62,100	\$ 780	\$ 1,640	\$ 131,795	\$ 2,349

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
751	Dillon Dr	PVC	DistMain	T035	150	163.2	1992	80	30	50	\$ 81,200	\$ 44,900	\$ 126,100	\$ 1,580	\$ 2,530	\$ 339,409	\$ 4,013
752	Simard Cres	PVC	DistMain	T088	150	74.8	1980	80	42	38	\$ 37,200	\$ 23,900	\$ 61,100	\$ 770	\$ 1,610	\$ 129,672	\$ 2,311
753	Simard Cres	PVC	DistMain	T088	150	31.5	1997	80	25	55	\$ 15,700	\$ 15,000	\$ 30,700	\$ 390	\$ 560	\$ 91,232	\$ 925
754	Woodridge Dr	DI	DistMain	T093	150	25.5	1975	80	47	33	\$ 12,700	\$ -	\$ 12,700	\$ 160	\$ 390	\$ 24,412	\$ 529
755	Dillon Dr	PVC	DistMain	T035	150	127.0	1975	80	47	33	\$ 63,200	\$ 29,900	\$ 93,100	\$ 1,170	\$ 2,830	\$ 178,960	\$ 3,881
756	Dillon Dr	PVC	DistMain	T036	150	81.0	1975	80	47	33	\$ 40,300	\$ 3,000	\$ 43,300	\$ 550	\$ 1,320	\$ 83,233	\$ 1,805
757	Dillon Dr	PVC	Trunk	T047	300	1.0	1979	80	43	37	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 1,456	\$ 27
758	Little River Blvd	PVC	Trunk	T098	300	0.9	1979	80	43	37	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 1,456	\$ 27
759	Dillon Dr	PVC	Trunk	T174	300	0.7	1979	80	43	37	\$ 500	\$ -	\$ 500	\$ 10	\$ 20	\$ 1,040	\$ 19
760	Dillon Dr	PVC	DistMain	T047	150	133.3	1979	80	43	0	\$ 66,300	\$ 41,900	\$ 108,200	\$ 1,360	\$ 1,360	\$ 527,523	\$ 2,722
761	Shannon Pl	PVC	DistMain	T040	150	112.9	1979	80	43	37	\$ 56,200	\$ 47,800	\$ 104,000	\$ 1,300	\$ 2,820	\$ 216,391	\$ 4,005
762	Amanda Crt	PVC	DistMain	T041	150	173.2	1986	80	36	44	\$ 86,100	\$ 47,800	\$ 133,900	\$ 1,680	\$ 3,050	\$ 320,028	\$ 4,605
763	Wedgewood Lane	PVC	DistMain	T042	150	191.1	1979	80	43	37	\$ 95,000	\$ 65,800	\$ 160,800	\$ 2,010	\$ 4,350	\$ 334,574	\$ 6,192
764	Centennial Dr	DI	DistMain	T170	150	0.5	1975	80	47	33	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 577	\$ 13
765	Centennial Dr	DI	DistMain	T170	150	324.6	1973	80	49	31	\$ 161,400	\$ 86,700	\$ 248,100	\$ 3,110	\$ 8,010	\$ 458,387	\$ 10,816
766	Centennial Dr	DI	DistMain	T037	150	37.6	1973	80	49	31	\$ 18,700	\$ 3,000	\$ 21,700	\$ 280	\$ 700	\$ 40,093	\$ 946
767	Centennial Dr	DI	DistMain	T096	150	258.0	1973	80	49	31	\$ 128,300	\$ 59,800	\$ 188,100	\$ 2,360	\$ 6,070	\$ 347,531	\$ 8,200
768	Centennial Dr	DI	DistMain	T037	150	241.0	1973	60	49	11	\$ 119,800	\$ 59,800	\$ 179,600	\$ 2,250	\$ 16,330	\$ 223,310	\$ 18,351
769	Woodridge Dr	DI	DistMain	T093	150	266.5	1975	80	47	33	\$ 132,500	\$ 50,800	\$ 183,300	\$ 2,300	\$ 5,560	\$ 352,345	\$ 7,641
770	Michael Dr	PVC	DistMain	T164	150	583.1	1989	80	33	47	\$ 289,900	\$ 194,200	\$ 484,100	\$ 6,060	\$ 10,300	\$ 1,227,844	\$ 15,984
771	St Gregorys Rd	DI	Trunk	T225	400	83.0	1981	80	41	39	\$ 84,300	\$ 3,000	\$ 87,300	\$ 1,100	\$ 2,240	\$ 188,982	\$ 3,245
772	St Gregorys Rd	PVC	Trunk	T225	400	79.4	1998	80	24	56	\$ 80,600	\$ 56,800	\$ 137,400	\$ 1,720	\$ 2,460	\$ 416,482	\$ 4,101
773	Michael Dr	PVC	Trunk	T224	400	0.8	1998	80	24	56	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 2,728	\$ 27
774	Michael Dr	PVC	DistMain	T224	200	230.7	1998	80	24	56	\$ 135,900	\$ 122,500	\$ 258,400	\$ 3,230	\$ 4,620	\$ 783,253	\$ 7,712
775	Michael Dr	PVC	DistMain	T224	150	1.2	1998	80	24	56	\$ 600	\$ -	\$ 600	\$ 10	\$ 20	\$ 1,819	\$ 18
776	St Gregorys Rd	DI	Trunk	T225	400	43.6	1981	80	41	39	\$ 44,300	\$ 6,000	\$ 50,300	\$ 630	\$ 1,290	\$ 108,887	\$ 1,870
777	St Gregorys Rd	PVC	Trunk	T223	400	43.1	1998	80	24	56	\$ 43,800	\$ 9,000	\$ 52,800	\$ 660	\$ 950	\$ 160,046	\$ 1,576
778	Revlard Dr	PVC	DistMain	T166	200	499.1	1992	60	30	30	\$ 294,000	\$ 149,400	\$ 443,400	\$ 5,550	\$ 14,780	\$ 803,158	\$ 19,798
779	St Gregorys Rd	PVC	DistMain	T232	200	5.2	1999	60	23	37	\$ 3,100	\$ -	\$ 3,100	\$ 40	\$ 90	\$ 6,450	\$ 119
780	Revlard Dr	PVC	DistMain	T226	200	35.9	1999	60	23	37	\$ 21,200	\$ 9,000	\$ 30,200	\$ 380	\$ 820	\$ 62,837	\$ 1,163
781	Revlard Dr	PVC	DistMain	T227	200	101.5	1999	60	23	37	\$ 59,800	\$ 29,900	\$ 89,700	\$ 1,130	\$ 2,430	\$ 186,637	\$ 3,454
782	Parkland Cres	PVC	DistMain	T229	150	40.5	1999	60	23	37	\$ 20,200	\$ -	\$ 20,200	\$ 260	\$ 550	\$ 42,030	\$ 778
783	Woodridge Dr	DI	DistMain	T168	150	379.2	1975	60	47	13	\$ 188,500	\$ 107,600	\$ 296,100	\$ 3,710	\$ 22,780	\$ 383,037	\$ 26,092
784	St Thomas St	PVC	DistMain	T169	200	16.9	1994	80	28	52	\$ 10,000	\$ -	\$ 10,000	\$ 130	\$ 200	\$ 28,003	\$ 311
785	St Thomas St	CI	DistMain	T182	150	89.4	1974	60	48	12	\$ 44,500	\$ 12,000	\$ 56,500	\$ 710	\$ 4,710	\$ 71,656	\$ 5,343
786	Manning Rd	CI	DistMain	T_SC00	150	182.5	1955	80	67	13	\$ 90,800	\$ 12,000	\$ 102,800	\$ 1,290	\$ 7,910	\$ 132,983	\$ 9,059
787	Manning Rd	CI	DistMain	T_SC00	150	239.7	1975	80	47	33	\$ 119,200	\$ -	\$ 119,200	\$ 1,490	\$ 3,620	\$ 229,130	\$ 4,969
788	Manning Rd	CI	DistMain	T_SC00	150	68.2	1975	80	47	33	\$ 33,900	\$ -	\$ 33,900	\$ 430	\$ 1,030	\$ 65,164	\$ 1,413
789	Manning Rd	CI	DistMain	T_SC00	150	207.8	1974	80	48	32	\$ 103,300	\$ 9,000	\$ 112,300	\$ 1,410	\$ 3,510	\$ 211,634	\$ 4,785
790	Green Valley Dr	PVC	DistMain	T238	250	58.6	1979	60	43	0	\$ 36,300	\$ 9,000	\$ 45,300	\$ 570	\$ 570	\$ 220,857	\$ 1,140
791	Green Valley Dr	PVC	DistMain	T236	250	26.7	1979	80	43	37	\$ 16,600	\$ 6,000	\$ 22,600	\$ 290	\$ 620	\$ 47,023	\$ 870
792	Green Valley Dr	PVC	DistMain	T236	250	37.5	1980	80	42	38	\$ 23,300	\$ 6,000	\$ 29,300	\$ 370	\$ 780	\$ 62,183	\$ 1,108
793	Green Valley Dr	PVC	DistMain	T234	250	212.3	1980	80	42	38	\$ 131,500	\$ 62,800	\$ 194,300	\$ 2,430	\$ 5,120	\$ 412,363	\$ 7,349
794	St Gregorys Rd	DI	Trunk	T232	400	1.6	1980	80	42	38	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 50	\$ 3,396	\$ 61
795	St Gregorys Rd	PVC	Trunk	T232	400	1.2	1980	80	42	38	\$ 1,300	\$ -	\$ 1,300	\$ 20	\$ 40	\$ 2,759	\$ 49
796	St Gregorys Rd	PVC	Trunk	T232	300	0.7	1980	80	42	38	\$ 500	\$ -	\$ 500	\$ 10	\$ 20	\$ 1,061	\$ 19
797	Brunelle Cres	PVC	DistMain	T235	150	1.8	1980	60	42	18	\$ 900	\$ -	\$ 900	\$ 20	\$ 50	\$ 1,285	\$ 60
798	Green Valley Dr	PVC	DistMain	T233	250	3.8	1986	80	36	44	\$ 2,400	\$ -	\$ 2,400	\$ 30	\$ 60	\$ 5,736	\$ 83
799	Green Valley Dr	PVC	DistMain	T233	250	128.4	1980	60	42	18	\$ 79,500	\$ 35,900	\$ 115,400	\$ 1,450	\$ 6,420	\$ 164,820	\$ 7,697
800	Green Valley Dr	PVC	DistMain	T233	250	11.0	1980	60	42	18	\$ 6,900	\$ -	\$ 6,900	\$ 90	\$ 390	\$ 9,855	\$ 460
801	Green Valley Dr	PVC	DistMain	T259	250	81.0	1980	60	42	18	\$ 50,200	\$ 9,000	\$ 59,200	\$ 740	\$ 3,290	\$ 84,552	\$ 3,949

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
802	Meadowland Cres	PVC	DistMain	T257	150	1.7	1980	60	42	18	\$ 900	\$ -	\$ 900	\$ 20	\$ 50	\$ 1,285	\$ 60
803	Green Valley Dr	PVC	DistMain	T258	250	68.4	1980	60	42	18	\$ 42,400	\$ 15,000	\$ 57,400	\$ 720	\$ 3,190	\$ 81,981	\$ 3,829
804	Meadowland Cres	PVC	DistMain	T257	150	0.5	1980	80	42	38	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 637	\$ 11
805	Harvest Lane	PVC	DistMain	T255	150	2.4	1980	80	42	38	\$ 1,200	\$ -	\$ 1,200	\$ 20	\$ 40	\$ 2,547	\$ 45
806	Green Valley Dr	PVC	DistMain	T254	250	141.2	1980	80	42	38	\$ 87,400	\$ 32,900	\$ 120,300	\$ 1,510	\$ 3,170	\$ 255,313	\$ 4,550
807	Green Valley Dr	PVC	DistMain	T256	250	162.3	1980	80	42	38	\$ 100,500	\$ 47,800	\$ 148,300	\$ 1,860	\$ 3,910	\$ 314,737	\$ 5,609
808	Brunelle Cres	PVC	DistMain	T235	150	219.3	1987	60	35	25	\$ 109,000	\$ 56,800	\$ 165,800	\$ 2,080	\$ 6,640	\$ 272,012	\$ 8,492
809	Brunelle Cres	PVC	DistMain	T235	150	1.4	1980	80	42	38	\$ 800	\$ -	\$ 800	\$ 10	\$ 30	\$ 1,698	\$ 30
810	Brunelle Cres	PVC	DistMain	T235	150	241.2	1987	80	35	45	\$ 119,900	\$ 74,700	\$ 194,600	\$ 2,440	\$ 4,330	\$ 474,406	\$ 6,599
811	Dillon Dr	PVC	DistMain	T038	150	146.5	1979	80	43	0	\$ 72,900	\$ 15,000	\$ 87,900	\$ 1,100	\$ 1,100	\$ 428,551	\$ 2,212
812	Jasper Pl	PVC	DistMain	T046	150	76.3	1979	80	43	37	\$ 38,000	\$ 12,000	\$ 50,000	\$ 630	\$ 1,360	\$ 104,034	\$ 1,925
813	Dillon Dr	PVC	DistMain	T043	150	120.0	1979	80	43	0	\$ 59,700	\$ 18,000	\$ 77,700	\$ 980	\$ 980	\$ 378,822	\$ 1,955
814	Barry Ave	CI	DistMain	T082	150	12.1	1980	80	42	38	\$ 6,100	\$ 3,000	\$ 9,100	\$ 120	\$ 240	\$ 19,313	\$ 344
815	Michael Dr	PVC	Trunk	T089	300	85.7	1980	80	42	38	\$ 57,400	\$ 15,000	\$ 72,400	\$ 910	\$ 1,910	\$ 153,654	\$ 2,738
816	Little River Blvd	PVC	Trunk	T090	300	43.3	1980	80	42	38	\$ 29,000	\$ 3,000	\$ 32,000	\$ 400	\$ 850	\$ 67,914	\$ 1,210
817	Little River Blvd	PVC	Trunk	T090	300	36.5	1980	80	42	38	\$ 24,400	\$ 9,000	\$ 33,400	\$ 420	\$ 880	\$ 70,885	\$ 1,263
818	Little River Blvd	PVC	Trunk	T091	300	119.0	1980	80	42	38	\$ 79,600	\$ 21,000	\$ 100,600	\$ 1,260	\$ 2,650	\$ 213,503	\$ 3,805
819	Centennial Dr	DI	Trunk	T096	300	0.4	1975	80	47	33	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 577	\$ 13
820	Centennial Dr	DI	Trunk	T096	300	0.5	1975	80	47	33	\$ 400	\$ -	\$ 400	\$ 10	\$ 20	\$ 769	\$ 17
821	Little River Blvd	PVC	Trunk	T092	300	65.1	1975	80	47	33	\$ 43,600	\$ 12,000	\$ 55,600	\$ 700	\$ 1,690	\$ 106,876	\$ 2,318
822	Little River Blvd	PVC	Trunk	T092	300	50.4	1975	80	47	33	\$ 33,800	\$ 3,000	\$ 36,800	\$ 460	\$ 1,120	\$ 70,738	\$ 1,534
823	Little River Blvd	PVC	Trunk	T094	300	68.7	1975	80	47	33	\$ 46,000	\$ 12,000	\$ 58,000	\$ 730	\$ 1,760	\$ 111,489	\$ 2,418
824	Little River Blvd	PVC	Trunk	T095	300	53.7	1975	80	47	33	\$ 36,000	\$ -	\$ 36,000	\$ 450	\$ 1,100	\$ 69,200	\$ 1,501
825	Little River Blvd	PVC	Trunk	T097	300	179.9	1979	80	43	37	\$ 120,400	\$ 15,000	\$ 135,400	\$ 1,700	\$ 3,660	\$ 281,725	\$ 5,214
826	Little River Blvd	PVC	DistMain	T098	200	135.1	1979	80	43	37	\$ 79,600	\$ 21,000	\$ 100,600	\$ 1,260	\$ 2,720	\$ 209,317	\$ 3,874
827	Little River Blvd	PVC	DistMain	T100	200	137.2	1979	80	43	37	\$ 80,800	\$ 12,000	\$ 92,800	\$ 1,160	\$ 2,510	\$ 193,088	\$ 3,573
828	Grace Rd	PVC	DistMain	T101	150	230.9	1992	60	30	30	\$ 114,800	\$ 65,800	\$ 180,600	\$ 2,260	\$ 6,020	\$ 327,132	\$ 8,064
829	Grace Rd	PVC	DistMain	T101	150	291.0	1990	80	32	48	\$ 144,700	\$ 74,700	\$ 219,400	\$ 2,750	\$ 4,580	\$ 567,603	\$ 7,153
830	Grace Rd	PVC	DistMain	T181	150	274.5	1995	80	27	0	\$ 136,500	\$ 80,700	\$ 217,200	\$ 2,720	\$ 2,720	\$ 1,058,945	\$ 5,465
831	Grace Rd	CI	DistMain	T181	150	5.0	1995	80	27	0	\$ 2,500	\$ -	\$ 2,500	\$ 40	\$ 40	\$ 12,189	\$ 63
832	Donalda Crt	PVC	DistMain	T099	150	130.8	1979	80	43	37	\$ 65,000	\$ 47,800	\$ 112,800	\$ 1,410	\$ 3,050	\$ 234,701	\$ 4,344
833	Jasper Pl	PVC	DistMain	T046	150	101.9	1979	60	43	17	\$ 50,700	\$ 35,900	\$ 86,600	\$ 1,090	\$ 5,100	\$ 121,261	\$ 6,059
834	Salich Crt	PVC	DistMain	T044	150	108.0	1979	60	43	17	\$ 53,700	\$ 35,900	\$ 89,600	\$ 1,120	\$ 5,280	\$ 125,462	\$ 6,269
836	Parkland Cres	PVC	DistMain	T229	150	47.5	1994	80	28	52	\$ 23,700	\$ 9,000	\$ 32,700	\$ 410	\$ 630	\$ 91,571	\$ 1,017
837	Parkland Cres	PVC	DistMain	T231	150	151.5	1994	80	28	52	\$ 75,300	\$ 47,800	\$ 123,100	\$ 1,540	\$ 2,370	\$ 344,720	\$ 3,830
838	Woodridge Dr	PVC	DistMain	T230	150	423.4	1994	80	28	52	\$ 210,500	\$ 137,500	\$ 348,000	\$ 4,350	\$ 6,700	\$ 974,514	\$ 10,826
839	Dillon Dr	PVC	DistMain	T174	250	189.1	1979	80	43	37	\$ 117,100	\$ 35,900	\$ 153,000	\$ 1,920	\$ 4,140	\$ 318,345	\$ 5,892
840	Dillon Dr	PVC	DistMain	T172	250	46.5	1979	80	43	37	\$ 28,800	\$ 6,000	\$ 34,800	\$ 440	\$ 950	\$ 72,408	\$ 1,340
841	Veronica Crt	PVC	DistMain	T173	150	112.6	1979	80	43	37	\$ 56,000	\$ 41,900	\$ 97,900	\$ 1,230	\$ 2,650	\$ 203,699	\$ 3,770
842	Amberly Cres	PVC	DistMain	T237	150	360.4	1979	80	43	37	\$ 179,200	\$ 116,500	\$ 295,700	\$ 3,700	\$ 8,000	\$ 615,259	\$ 11,386
843	Paisley Cir	PVC	DistMain	T178	150	65.8	1979	80	43	37	\$ 32,700	\$ 29,900	\$ 62,600	\$ 790	\$ 1,700	\$ 130,251	\$ 2,411
844	Rideau Pl	PVC	DistMain	T176	150	79.4	1979	80	43	37	\$ 39,500	\$ 23,900	\$ 63,400	\$ 800	\$ 1,720	\$ 131,915	\$ 2,441
845	St Thomas St	PVC	DistMain	T180	250	1.0	1979	80	43	37	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 1,456	\$ 27
846	St Thomas St	PVC	DistMain	T180	150	82.8	1979	60	43	17	\$ 41,200	\$ 9,000	\$ 50,200	\$ 630	\$ 2,960	\$ 70,292	\$ 3,512
847	St Thomas St	PVC	DistMain	T179	250	82.0	1979	80	43	37	\$ 50,800	\$ 12,000	\$ 62,800	\$ 790	\$ 1,700	\$ 130,667	\$ 2,418
848	St Thomas St	PVC	DistMain	T175	250	105.6	1979	80	43	37	\$ 65,400	\$ 23,900	\$ 89,300	\$ 1,120	\$ 2,420	\$ 185,805	\$ 3,439
849	St Thomas St	PVC	DistMain	T177	250	90.2	1979	80	43	37	\$ 55,900	\$ 9,000	\$ 64,900	\$ 820	\$ 1,760	\$ 135,036	\$ 2,499
850	St Thomas St	PVC	DistMain	T171	150	89.4	1979	80	43	37	\$ 44,500	\$ 6,000	\$ 50,500	\$ 640	\$ 1,370	\$ 105,075	\$ 1,945
851	St Thomas St	DI	DistMain	T169	150	88.8	1979	80	43	37	\$ 44,200	\$ -	\$ 44,200	\$ 560	\$ 1,200	\$ 91,966	\$ 1,702
852	St Thomas St	PVC	DistMain	T165	150	32.1	1989	80	33	47	\$ 16,000	\$ -	\$ 16,000	\$ 200	\$ 350	\$ 40,581	\$ 528
853	Revland Dr	PVC	DistMain	T228	200	413.4	1999	80	23	57	\$ 243,600	\$ 158,400	\$ 402,000	\$ 5,030	\$ 7,060	\$ 1,242,899	\$ 11,884

**Appendix G-2
Watermain Inventory**

GIS Database											2021 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				
854	Revland Dr	PVC	DistMain	T228	200	1.9	1993	80	29	51	\$ 1,200	\$ -	\$ 1,200	\$ 20	\$ 30	\$ 3,295	\$ 38
855	St Thomas St	PVC	DistMain	T167	200	99.0	1993	80	29	51	\$ 58,400	\$ -	\$ 58,400	\$ 730	\$ 1,150	\$ 160,333	\$ 1,837
856	St Thomas St	PVC	DistMain	T165	150	80.9	1993	80	29	51	\$ 40,300	\$ 3,000	\$ 43,300	\$ 550	\$ 850	\$ 118,877	\$ 1,362
857	St Thomas St	PVC	DistMain	T165	200	0.3	1993	80	29	51	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 824	\$ 9
859	Primrose Pl	PVC	DistMain	T240	150	140.8	1986	80	36	44	\$ 70,000	\$ 50,800	\$ 120,800	\$ 1,510	\$ 2,750	\$ 288,718	\$ 4,154
860	Juniper Crt	PVC	DistMain	T242	150	123.8	1986	80	36	44	\$ 61,600	\$ 44,900	\$ 106,500	\$ 1,340	\$ 2,430	\$ 254,541	\$ 3,662
861	Meadowland Cres	PVC	DistMain	T257	150	266.0	1988	80	34	46	\$ 132,300	\$ 86,700	\$ 219,000	\$ 2,740	\$ 4,770	\$ 544,568	\$ 7,326
862	Meadowland Cres	PVC	DistMain	T257	150	218.0	1989	80	33	47	\$ 108,400	\$ 71,700	\$ 180,100	\$ 2,260	\$ 3,840	\$ 456,795	\$ 5,947
863	Harvest Lane	PVC	DistMain	T255	150	203.3	1989	80	33	47	\$ 101,100	\$ 68,800	\$ 169,900	\$ 2,130	\$ 3,620	\$ 430,925	\$ 5,610
864	Tecumseh Rd	PVC	Trunk	T253	400	145.7	2005	80	17	63	\$ 148,000	\$ 12,000	\$ 160,000	\$ 2,000	\$ 2,540	\$ 557,097	\$ 4,489
865	Manning Rd	PVC	DistMain	T_SCO0	200	42.1	1989	60	33	27	\$ 24,800	\$ -	\$ 24,800	\$ 310	\$ 920	\$ 42,331	\$ 1,198
866	Manning Rd	PVC	Trunk	T_SCO0	400	118.8	2005	80	17	63	\$ 120,700	\$ 3,000	\$ 123,700	\$ 1,550	\$ 1,970	\$ 430,706	\$ 3,471
867	Manning Rd	PVC	DistMain	T_SCO0	200	134.4	1989	80	33	47	\$ 79,200	\$ -	\$ 79,200	\$ 990	\$ 1,690	\$ 200,878	\$ 2,615
868	Manning Rd	PVC	DistMain	T_SCO0	200	96.7	1989	80	33	47	\$ 57,000	\$ -	\$ 57,000	\$ 720	\$ 1,220	\$ 144,572	\$ 1,882
869	Manning Rd	PVC	DistMain	T_SCO0	200	413.9	1989	80	33	47	\$ 243,900	\$ -	\$ 243,900	\$ 3,050	\$ 5,190	\$ 618,614	\$ 8,053
870	Manning Rd	PVC	DistMain	T_SCO0	200	67.0	1989	80	33	47	\$ 39,500	\$ -	\$ 39,500	\$ 500	\$ 850	\$ 100,186	\$ 1,304
871	Tecumseh Rd	PVC	Trunk	T260	400	191.0	2005	80	17	63	\$ 193,900	\$ 32,900	\$ 226,800	\$ 2,840	\$ 3,600	\$ 789,685	\$ 6,364
872	Lanoue St	PVC	DistMain	T318	200	109.8	1993	60	29	0	\$ 64,700	\$ 15,000	\$ 79,700	\$ 1,000	\$ 1,000	\$ 388,573	\$ 2,005
873	Lanoue St	PVC	DistMain	T319	200	409.2	1993	80	29	51	\$ 241,100	\$ 143,400	\$ 384,500	\$ 4,810	\$ 7,540	\$ 1,055,614	\$ 12,096
874	Lanoue St	PVC	DistMain	T326	200	1.7	1993	80	29	51	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 20	\$ 2,745	\$ 31
875	Lanoue St	PVC	DistMain	T326	250	17.0	1993	80	29	51	\$ 10,600	\$ 3,000	\$ 13,600	\$ 170	\$ 270	\$ 37,338	\$ 428
876	Lanoue St	PVC	DistMain	T326	250	79.3	1996	80	26	54	\$ 49,100	\$ 9,000	\$ 58,100	\$ 730	\$ 1,080	\$ 169,272	\$ 1,769
877	Lanoue St	PVC	DistMain	T328	250	79.9	1996	80	26	54	\$ 49,500	\$ 23,900	\$ 73,400	\$ 920	\$ 1,360	\$ 213,848	\$ 2,235
878	Lanoue St	PVC	DistMain	T328	250	24.4	1996	80	26	54	\$ 15,100	\$ -	\$ 15,100	\$ 190	\$ 280	\$ 43,993	\$ 460
879	Lanoue St	PVC	DistMain	T329	250	114.1	1996	80	26	54	\$ 70,700	\$ -	\$ 70,700	\$ 890	\$ 1,310	\$ 205,982	\$ 2,153
880	Lanoue St	PVC	DistMain	T322	250	217.1	1996	80	26	54	\$ 134,400	\$ -	\$ 134,400	\$ 1,680	\$ 2,490	\$ 391,569	\$ 4,093
881	Lanoue St	PVC	DistMain	T332	200	1.1	1996	80	26	54	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,039	\$ 21
882	Barry Ave	PVC	DistMain	T033	150	8.0	1999	80	23	57	\$ 4,000	\$ -	\$ 4,000	\$ 50	\$ 80	\$ 12,367	\$ 118
883	Keith Crt	PVC	DistMain	T072	150	113.2	1985	80	37	43	\$ 56,300	\$ 29,900	\$ 86,200	\$ 1,080	\$ 2,010	\$ 201,983	\$ 3,008
885	Mason Pl	CI	DistMain	T076	150	102.6	1955	80	67	13	\$ 51,100	\$ 18,000	\$ 69,100	\$ 870	\$ 5,320	\$ 89,388	\$ 6,089
886	Brenda Cres	PVC	DistMain	T160	150	20.7	1989	80	33	47	\$ 10,400	\$ -	\$ 10,400	\$ 130	\$ 230	\$ 26,378	\$ 343
887	Brenda Cres	PVC	DistMain	T161	150	131.9	1991	80	31	49	\$ 65,600	\$ 26,900	\$ 92,500	\$ 1,160	\$ 1,890	\$ 244,090	\$ 2,979
888	Brenda Cres	PVC	DistMain	T160	150	77.9	1991	80	31	49	\$ 38,800	\$ 12,000	\$ 50,800	\$ 640	\$ 1,040	\$ 134,052	\$ 1,636
889	Brenda Cres	PVC	DistMain	T162	150	213.9	1991	80	31	49	\$ 106,400	\$ 50,800	\$ 157,200	\$ 1,970	\$ 3,210	\$ 414,821	\$ 5,062
890	Ballard St	CI	DistMain	T205	150	242.7	1955	80	67	13	\$ 120,700	\$ -	\$ 120,700	\$ 1,510	\$ 9,290	\$ 156,138	\$ 10,636
891	Argent St	CI	DistMain	T206	150	84.7	1955	80	67	13	\$ 42,200	\$ 3,000	\$ 45,200	\$ 570	\$ 3,480	\$ 58,471	\$ 3,983
892	Clarice Ave	DI	DistMain	T202	150	365.0	1968	80	54	26	\$ 181,500	\$ 23,900	\$ 205,400	\$ 2,570	\$ 7,900	\$ 343,720	\$ 10,208
893	Horwood Cres	DI	Trunk	T222	400	18.8	1981	80	41	39	\$ 19,100	\$ 6,000	\$ 25,100	\$ 320	\$ 650	\$ 54,335	\$ 933
894	Horwood Cres	DI	DistMain	T221	150	0.8	1981	80	41	39	\$ 400	\$ -	\$ 400	\$ 10	\$ 20	\$ 866	\$ 15
895	Horwood Cres	DI	DistMain	T221	150	1.1	1981	80	41	39	\$ 600	\$ -	\$ 600	\$ 10	\$ 20	\$ 1,299	\$ 22
896	St Gregorys Rd	DI	Trunk	T232	400	310.7	1981	80	41	39	\$ 315,400	\$ 110,600	\$ 426,000	\$ 5,330	\$ 10,930	\$ 922,181	\$ 15,835
897	Lacasse Blvd	CON	Trunk	T219	400	327.9	1969	80	53	27	\$ 332,900	\$ 44,900	\$ 377,800	\$ 4,730	\$ 14,000	\$ 644,862	\$ 18,245
898	Lacasse Blvd	CON	Trunk	T219	400	0.7	1969	80	53	27	\$ 700	\$ -	\$ 700	\$ 10	\$ 30	\$ 1,195	\$ 34
899	Lacasse Blvd	CON	Trunk	T219	400	185.2	1969	60	53	7	\$ 188,000	\$ 18,000	\$ 206,000	\$ 2,580	\$ 29,430	\$ 236,629	\$ 31,829
900	Horwood Cres	DI	Trunk	T220	400	78.2	1981	80	41	39	\$ 79,400	\$ -	\$ 79,400	\$ 1,000	\$ 2,040	\$ 171,881	\$ 2,951
901	Horwood Cres	DI	Trunk	T222	400	291.9	1981	80	41	39	\$ 296,300	\$ 155,400	\$ 451,700	\$ 5,650	\$ 11,590	\$ 977,815	\$ 16,790
902	Horwood Cres	PVC	DistMain	T221	150	277.5	1993	80	29	51	\$ 138,000	\$ 137,500	\$ 275,500	\$ 3,450	\$ 5,410	\$ 756,363	\$ 8,667
903	Shannon Pl	PVC	DistMain	T039	150	60.8	1979	80	43	37	\$ 30,300	\$ 12,000	\$ 42,300	\$ 530	\$ 1,150	\$ 88,013	\$ 1,629
904	Woodridge Dr	PVC	DistMain	T230	200	1.2	1994	60	28	32	\$ 800	\$ -	\$ 800	\$ 10	\$ 30	\$ 1,508	\$ 34
905	Cortina Cres	PVC	DistMain	T330	150	326.7	1996	60	26	34	\$ 162,400	\$ 95,600	\$ 258,000	\$ 3,230	\$ 7,590	\$ 505,854	\$ 10,531
906	Heatherglen Cres	PVC	DistMain	T331	200	273.2	1996	60	26	34	\$ 161,000	\$ 143,400	\$ 304,400	\$ 3,810	\$ 8,960	\$ 596,830	\$ 12,425

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
907	Heatherglen Cres	PVC	DistMain	T327	200	298.0	1996	60	26	34	\$ 175,600	\$ 101,600	\$ 277,200	\$ 3,470	\$ 8,160	\$ 543,499	\$ 11,315
908	Heatherglen Cres	PVC	DistMain	T327	200	104.5	1996	60	26	34	\$ 61,600	\$ 41,900	\$ 103,500	\$ 1,300	\$ 3,050	\$ 202,930	\$ 4,225
909	Heatherglen Cres	PVC	DistMain	T327	200	166.3	1996	60	26	34	\$ 98,000	\$ 47,800	\$ 145,800	\$ 1,830	\$ 4,290	\$ 285,867	\$ 5,951
910	Southfield Dr	PVC	DistMain	T277	200	353.1	1992	60	30	30	\$ 208,000	\$ 3,000	\$ 211,000	\$ 2,640	\$ 7,040	\$ 382,197	\$ 9,421
911	Southfield Dr	PVC	DistMain	T275	200	61.1	1992	60	30	30	\$ 36,100	\$ 9,000	\$ 45,100	\$ 570	\$ 1,510	\$ 81,692	\$ 2,014
912	Mickaila Cres	PVC	DistMain	T274	150	199.4	1996	60	26	34	\$ 99,100	\$ 131,500	\$ 230,600	\$ 2,890	\$ 6,790	\$ 452,132	\$ 9,413
913	Border Cres	PVC	DistMain	T271	150	187.9	1997	60	25	35	\$ 93,400	\$ 128,500	\$ 221,900	\$ 2,780	\$ 6,340	\$ 443,775	\$ 8,876
914	Southfield Dr	PVC	DistMain	T272	200	69.0	1997	60	25	35	\$ 40,700	\$ 23,900	\$ 64,600	\$ 810	\$ 1,850	\$ 129,193	\$ 2,584
915	Southfield Dr	PVC	DistMain	T270	200	117.0	1998	60	24	36	\$ 69,000	\$ 80,700	\$ 149,700	\$ 1,880	\$ 4,160	\$ 305,371	\$ 5,873
916	Brouillette Crt	PVC	DistMain	T278	150	70.8	1998	80	24	56	\$ 35,300	\$ 41,900	\$ 77,200	\$ 970	\$ 1,380	\$ 234,006	\$ 2,304
917	Brouillette Crt	PVC	DistMain	T280	150	37.0	1998	80	24	56	\$ 18,400	\$ 12,000	\$ 30,400	\$ 380	\$ 550	\$ 92,147	\$ 907
918	Fieldcrest Lane	PVC	DistMain	T279	150	169.3	1998	80	24	56	\$ 84,200	\$ 125,500	\$ 209,700	\$ 2,630	\$ 3,750	\$ 635,635	\$ 6,259
919	Brouillette Crt	DI	DistMain	T281	150	85.4	1970	80	52	28	\$ 42,500	\$ 23,900	\$ 66,400	\$ 830	\$ 2,380	\$ 115,604	\$ 3,120
920	Brouillette Crt	DI	DistMain	T280	150	62.4	1970	80	52	28	\$ 31,100	\$ -	\$ 31,100	\$ 390	\$ 1,120	\$ 54,146	\$ 1,461
921	Brouillette Crt	PVC	DistMain	T280	150	179.3	1998	80	24	56	\$ 89,200	\$ 35,900	\$ 125,100	\$ 1,570	\$ 2,240	\$ 379,199	\$ 3,734
928	Laramie St	PVC	DistMain	T208	150	49.9	1994	80	28	52	\$ 24,800	\$ -	\$ 24,800	\$ 310	\$ 480	\$ 69,448	\$ 772
929	Laramie St	PVC	DistMain	T208	150	140.1	1994	80	28	52	\$ 69,700	\$ -	\$ 69,700	\$ 880	\$ 1,350	\$ 195,183	\$ 2,168
930	Laramie St	PVC	DistMain	T208	150	69.7	1994	80	28	52	\$ 34,700	\$ -	\$ 34,700	\$ 440	\$ 670	\$ 97,171	\$ 1,079
931	Laramie St	PVC	DistMain	T208	150	179.5	1994	80	28	52	\$ 89,200	\$ -	\$ 89,200	\$ 1,120	\$ 1,720	\$ 249,789	\$ 2,775
932	Laramie St	PVC	DistMain	T208	150	157.9	2001	80	21	59	\$ 78,500	\$ -	\$ 78,500	\$ 990	\$ 1,340	\$ 252,511	\$ 2,278
933	Regal Crt	PVC	DistMain	T137	150	76.8	1989	80	33	47	\$ 38,200	\$ 26,900	\$ 65,100	\$ 820	\$ 1,390	\$ 165,116	\$ 2,149
937	Poisson St	DI	DistMain	T297	150	149.9	1970	80	52	28	\$ 74,500	\$ 9,000	\$ 83,500	\$ 1,050	\$ 2,990	\$ 145,376	\$ 3,924
938	Poisson St	DI	DistMain	T293	150	107.8	1970	80	52	28	\$ 53,600	\$ 23,900	\$ 77,500	\$ 970	\$ 2,770	\$ 134,929	\$ 3,642
949	Tecumseh Rd	PVC	DistMain	SC067	400	53.2	2005	80	17	63	\$ 54,000	\$ -	\$ 54,000	\$ 680	\$ 860	\$ 188,020	\$ 1,515
950	Regent Rd	DI	DistMain	SC082	150	7.6	1980	80	42	38	\$ 3,800	\$ -	\$ 3,800	\$ 50	\$ 100	\$ 8,065	\$ 144
951	Tecumseh Rd	PVC	DistMain	SC068	250	141.8	1980	80	42	38	\$ 87,800	\$ 12,000	\$ 99,800	\$ 1,250	\$ 2,630	\$ 211,805	\$ 3,774
952	Tecumseh Rd	CI	DistMain	SC068	250	437.8	1955	60	67	0	\$ 271,100	\$ 3,000	\$ 274,100	\$ 3,430	\$ 3,430	\$ 1,336,358	\$ 6,897
954	Tecumseh Rd	PVC	DistMain	SC083	250	119.5	1980	60	42	18	\$ 74,000	\$ 9,000	\$ 83,000	\$ 1,040	\$ 4,620	\$ 118,544	\$ 5,536
957	Tecumseh Rd	PVC	DistMain	SC084	250	0.6	1979	60	43	17	\$ 400	\$ -	\$ 400	\$ 10	\$ 30	\$ 560	\$ 28
960	Arlington Blvd	PVC	DistMain	SC085	250	18.2	1979	80	43	37	\$ 11,300	\$ -	\$ 11,300	\$ 150	\$ 310	\$ 23,512	\$ 435
962	Tecumseh Rd	PVC	DistMain	SC084	250	101.1	1980	80	42	38	\$ 62,700	\$ 6,000	\$ 68,700	\$ 860	\$ 1,810	\$ 145,802	\$ 2,598
963	Tecumseh Rd	PVC	DistMain	SC086	250	295.2	1979	80	43	37	\$ 182,800	\$ -	\$ 182,800	\$ 2,290	\$ 4,950	\$ 380,349	\$ 7,039
964	Tecumseh Rd	PVC	DistMain	SC094	250	162.5	1979	60	43	17	\$ 100,600	\$ -	\$ 100,600	\$ 1,260	\$ 5,920	\$ 140,864	\$ 7,039
965	Tecumseh Rd	PVC	DistMain	SC095	250	306.9	1979	60	43	17	\$ 190,000	\$ 12,000	\$ 202,000	\$ 2,530	\$ 11,890	\$ 282,849	\$ 14,134
970	Tecumseh Rd	PVC	DistMain	SC108	250	124.0	2010	80	12	68	\$ 76,800	\$ 6,000	\$ 82,800	\$ 1,040	\$ 1,220	\$ 318,304	\$ 2,238
971	Tecumseh Rd	PVC	DistMain	SC108	250	9.4	2010	60	12	48	\$ 5,900	\$ -	\$ 5,900	\$ 80	\$ 130	\$ 15,264	\$ 192
972	Estate Park	PVC	DistMain	SC106	150	36.5	1979	60	43	17	\$ 18,200	\$ -	\$ 18,200	\$ 230	\$ 1,080	\$ 25,484	\$ 1,273
973	Estate Park	PVC	DistMain	SC102	150	401.8	1979	80	43	37	\$ 199,700	\$ 83,700	\$ 283,400	\$ 3,550	\$ 7,660	\$ 589,666	\$ 10,913
974	Taltheorpe Pl	PVC	DistMain	SC103	150	94.1	1979	60	43	17	\$ 46,800	\$ 6,000	\$ 52,800	\$ 660	\$ 3,110	\$ 73,933	\$ 3,694
975	Taltheorpe Pl	PVC	DistMain	SC105	150	233.8	1979	80	43	37	\$ 116,200	\$ 41,900	\$ 158,100	\$ 1,980	\$ 4,280	\$ 328,956	\$ 6,088
976	Wellwood Crt	PVC	DistMain	SC104	150	106.5	1979	80	43	37	\$ 53,000	\$ 26,900	\$ 79,900	\$ 1,000	\$ 2,160	\$ 166,247	\$ 3,077
977	Canterberry Crt	PVC	DistMain	SC100	150	90.4	1979	80	43	37	\$ 45,000	\$ 23,900	\$ 68,900	\$ 870	\$ 1,870	\$ 143,359	\$ 2,653
978	Estate Park	PVC	DistMain	SC101	150	92.4	1979	80	43	37	\$ 46,000	\$ 12,000	\$ 58,000	\$ 730	\$ 1,570	\$ 120,680	\$ 2,233
979	Estate Park	PVC	DistMain	SC099	150	78.4	1979	80	43	37	\$ 39,000	\$ 12,000	\$ 51,000	\$ 640	\$ 1,380	\$ 106,115	\$ 1,964
980	Lexham Gdn	PVC	DistMain	SC096	150	39.6	1979	80	43	37	\$ 19,800	\$ 9,000	\$ 28,800	\$ 360	\$ 780	\$ 59,924	\$ 1,109
981	Lexham Gdn	PVC	DistMain	SC098	150	175.2	1979	80	43	37	\$ 87,100	\$ 32,900	\$ 120,000	\$ 1,500	\$ 3,250	\$ 249,682	\$ 4,621
982	Estate Park	PVC	DistMain	SC097	150	358.2	1979	80	43	37	\$ 178,100	\$ 62,800	\$ 240,900	\$ 3,020	\$ 6,520	\$ 501,237	\$ 9,276
983	Dorset Park	PVC	DistMain	SC087	150	258.7	1980	80	42	38	\$ 128,600	\$ 53,800	\$ 182,400	\$ 2,280	\$ 4,800	\$ 387,107	\$ 6,898
984	Dorset Park	PVC	DistMain	SC089	150	84.2	1980	80	42	38	\$ 41,900	\$ 12,000	\$ 53,900	\$ 680	\$ 1,420	\$ 114,392	\$ 2,039
985	Dorset Park	PVC	DistMain	SC090	150	93.2	1980	80	42	38	\$ 46,400	\$ -	\$ 46,400	\$ 580	\$ 1,230	\$ 98,475	\$ 1,755
986	Dorset Park	PVC	DistMain	SC092	150	102.1	1980	80	42	38	\$ 50,800	\$ 18,000	\$ 68,800	\$ 860	\$ 1,820	\$ 146,014	\$ 2,602

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
987	Dorset Park	PVC	DistMain	SC093	150	3.7	1979	80	43	37	\$ 1,900	\$ -	\$ 1,900	\$ 30	\$ 60	\$ 3,953	\$ 73
988	Dorset Park	PVC	DistMain	SC093	150	294.2	1980	80	42	38	\$ 146,200	\$ 65,800	\$ 212,000	\$ 2,650	\$ 5,580	\$ 449,927	\$ 8,018
989	Harbourne Cres	PVC	DistMain	SC088	150	361.9	1980	80	42	38	\$ 179,900	\$ 71,700	\$ 251,600	\$ 3,150	\$ 6,630	\$ 533,970	\$ 9,516
990	Collier Cres	PVC	DistMain	SC091	150	415.4	1980	80	42	38	\$ 206,500	\$ 68,800	\$ 275,300	\$ 3,450	\$ 7,250	\$ 584,269	\$ 10,412
991	Regent Rd	PVC	DistMain	SC082	150	40.5	1984	80	38	42	\$ 20,200	\$ 3,000	\$ 23,200	\$ 290	\$ 560	\$ 53,296	\$ 822
992	Regent Rd	PVC	DistMain	SC080	150	104.4	1984	80	38	42	\$ 51,900	\$ 9,000	\$ 60,900	\$ 770	\$ 1,450	\$ 139,902	\$ 2,157
993	Dresden Pl	PVC	DistMain	SC081	150	110.9	1984	80	38	42	\$ 55,200	\$ 15,000	\$ 70,200	\$ 880	\$ 1,680	\$ 161,267	\$ 2,486
994	Dresden Pl	PVC	DistMain	SC079	150	12.0	1984	80	38	42	\$ 6,000	\$ 3,000	\$ 9,000	\$ 120	\$ 220	\$ 20,675	\$ 319
995	Dresden Pl	PVC	DistMain	SC079	150	78.9	1984	80	38	42	\$ 39,200	\$ 9,000	\$ 48,200	\$ 610	\$ 1,150	\$ 110,727	\$ 1,707
996	Dresden Pl	PVC	DistMain	SC077	150	89.2	1984	80	38	42	\$ 44,400	\$ 21,000	\$ 65,400	\$ 820	\$ 1,560	\$ 150,240	\$ 2,316
997	Christy Lane	PVC	DistMain	SC002	150	265.4	1993	80	29	51	\$ 132,000	\$ 59,800	\$ 191,800	\$ 2,400	\$ 3,770	\$ 526,572	\$ 6,034
1002	Riverside Dr	PVC	DistMain	SC007	250	420.5	2004	80	18	62	\$ 260,300	\$ 98,600	\$ 358,900	\$ 4,490	\$ 5,790	\$ 1,225,135	\$ 10,152
1003	Cove Dr	DI	DistMain	SC011	150	117.0	1985	80	37	43	\$ 58,200	\$ 12,000	\$ 70,200	\$ 880	\$ 1,640	\$ 164,492	\$ 2,449
1004	Riverside Dr	PVC	DistMain	SC008	250	382.0	2004	80	18	62	\$ 236,500	\$ 26,900	\$ 263,400	\$ 3,300	\$ 4,250	\$ 899,138	\$ 7,451
1005	Riverside Dr	PVC	DistMain	SC009	250	106.3	2004	80	18	62	\$ 65,800	\$ 23,900	\$ 89,700	\$ 1,130	\$ 1,450	\$ 306,199	\$ 2,537
1006	Cove Dr	DI	DistMain	SC011	150	241.7	1985	80	37	43	\$ 120,200	\$ 23,900	\$ 144,100	\$ 1,810	\$ 3,360	\$ 337,654	\$ 5,028
1010	Aloha Dr	PVC	DistMain	SC123	150	0.9	1994	80	28	52	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,400	\$ 16
1011	Brighton Rd	PVC	DistMain	SC122	250	81.9	1994	80	28	52	\$ 50,800	\$ 12,000	\$ 62,800	\$ 790	\$ 1,210	\$ 175,861	\$ 1,954
1012	Starwood Lane	PVC	DistMain	SC126	150	0.4	1994	80	28	52	\$ 200	\$ -	\$ 200	\$ 10	\$ 10	\$ 560	\$ 6
1013	Brighton Rd	PVC	DistMain	SC124	150	138.2	1984	80	38	42	\$ 68,700	\$ 26,900	\$ 95,600	\$ 1,200	\$ 2,280	\$ 219,617	\$ 3,386
1014	Southwind Cres	PVC	DistMain	SC127	150	1.1	1994	80	28	52	\$ 600	\$ 3,000	\$ 3,600	\$ 50	\$ 70	\$ 10,081	\$ 112
1015	Brighton Rd	PVC	DistMain	SC125	150	78.1	1994	80	28	52	\$ 38,900	\$ 12,000	\$ 50,900	\$ 640	\$ 980	\$ 142,537	\$ 1,583
1016	Brighton Rd	PVC	DistMain	SC128	150	0.3	1994	80	28	52	\$ 200	\$ -	\$ 200	\$ 10	\$ 10	\$ 560	\$ 6
1017	Brighton Rd	DI	DistMain	SC010	150	16.5	1985	80	37	43	\$ 8,300	\$ -	\$ 8,300	\$ 110	\$ 200	\$ 19,448	\$ 290
1018	Brighton Rd	PVC	DistMain	SC010	250	16.6	2004	80	18	62	\$ 10,300	\$ -	\$ 10,300	\$ 130	\$ 170	\$ 35,160	\$ 291
1019	Brighton Rd	PVC	DistMain	SC128	250	246.8	1994	80	28	52	\$ 152,800	\$ 35,900	\$ 188,700	\$ 2,360	\$ 3,630	\$ 528,422	\$ 5,870
1020	Southwind Cres	PVC	DistMain	SC127	150	241.7	1995	60	27	33	\$ 120,200	\$ 59,800	\$ 180,000	\$ 2,250	\$ 5,460	\$ 346,002	\$ 7,504
1021	Southwind Cres	PVC	DistMain	SC127	150	85.9	1995	80	27	53	\$ 42,700	\$ 15,000	\$ 57,700	\$ 730	\$ 1,090	\$ 164,811	\$ 1,776
1022	Starwood Lane	PVC	DistMain	SC126	150	0.7	1995	80	27	53	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,143	\$ 12
1023	Starwood Lane	DI	DistMain	SC126	150	218.9	1995	60	27	33	\$ 108,900	\$ 47,800	\$ 156,700	\$ 1,960	\$ 4,750	\$ 301,214	\$ 6,532
1024	Pentilly Rd	PVC	DistMain	SC121	150	567.8	2004	60	18	42	\$ 282,200	\$ 59,800	\$ 342,000	\$ 4,280	\$ 8,150	\$ 785,658	\$ 12,113
1027	Arlington Blvd	CI	DistMain	SC066	150	332.4	1955	60	67	0	\$ 165,300	\$ -	\$ 165,300	\$ 2,070	\$ 2,070	\$ 805,910	\$ 4,159
1028	Arlington Blvd	CI	DistMain	SC066	150	345.7	1955	80	67	13	\$ 171,800	\$ 3,000	\$ 174,800	\$ 2,190	\$ 13,450	\$ 226,122	\$ 15,403
1029	Arlington Blvd	CI	DistMain	SC056	150	113.2	1955	80	67	13	\$ 56,300	\$ 3,000	\$ 59,300	\$ 750	\$ 4,570	\$ 76,711	\$ 5,225
1030	Arlington Blvd	CI	DistMain	SC085	150	261.0	1955	80	67	13	\$ 129,800	\$ 6,000	\$ 135,800	\$ 1,700	\$ 10,450	\$ 175,672	\$ 11,966
1031	Kensington Blvd	CI	DistMain	SC054	150	471.5	1955	80	67	13	\$ 234,400	\$ 3,000	\$ 237,400	\$ 2,970	\$ 18,270	\$ 307,102	\$ 20,919
1032	Kensington Blvd	CI	DistMain	SC055	150	59.1	1955	80	67	13	\$ 29,400	\$ 3,000	\$ 32,400	\$ 410	\$ 2,500	\$ 41,913	\$ 2,855
1033	Kensington Blvd	CI	DistMain	SC055	150	291.3	1955	80	67	13	\$ 144,800	\$ 3,000	\$ 147,800	\$ 1,850	\$ 11,370	\$ 191,195	\$ 13,024
1034	Clovelly Rd	CI	DistMain	SC060	150	28.8	1955	80	67	13	\$ 14,300	\$ -	\$ 14,300	\$ 180	\$ 1,100	\$ 18,499	\$ 1,260
1035	Burlington Rd	CI	DistMain	SC057	150	154.6	1955	60	67	0	\$ 76,900	\$ -	\$ 76,900	\$ 970	\$ 970	\$ 374,921	\$ 1,935
1036	Burlington Rd	CI	DistMain	SC059	150	226.2	1955	80	67	13	\$ 112,400	\$ 6,000	\$ 118,400	\$ 1,480	\$ 9,110	\$ 153,163	\$ 10,433
1037	St Marks Rd	CI	DistMain	SC043	150	166.1	1955	80	67	13	\$ 82,600	\$ -	\$ 82,600	\$ 1,040	\$ 6,360	\$ 106,852	\$ 7,279
1038	St Marks Rd	CI	DistMain	SC045	150	158.1	1955	80	67	13	\$ 78,600	\$ -	\$ 78,600	\$ 990	\$ 6,050	\$ 101,677	\$ 6,926
1039	St Marks Rd	CI	DistMain	SC049	150	99.5	1955	80	67	13	\$ 49,500	\$ -	\$ 49,500	\$ 620	\$ 3,810	\$ 64,034	\$ 4,362
1040	St Marks Rd	CI	DistMain	SC050	150	60.3	1955	80	67	13	\$ 30,000	\$ -	\$ 30,000	\$ 380	\$ 2,310	\$ 38,808	\$ 2,644
1041	St Marks Rd	CI	DistMain	SC052	150	200.9	1955	60	67	0	\$ 99,900	\$ 3,000	\$ 102,900	\$ 1,290	\$ 1,290	\$ 501,683	\$ 2,589
1042	Warwick Rd	CI	DistMain	SC058	150	364.5	1955	80	67	13	\$ 181,200	\$ 9,000	\$ 190,200	\$ 2,380	\$ 14,640	\$ 246,044	\$ 16,760
1052	Alden Cres	CI	DistMain	SC051	150	1.1	1955	60	67	0	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,925	\$ 15
1057	Hayes Ave	CI	DistMain	SC038	150	124.2	1955	60	67	0	\$ 61,800	\$ -	\$ 61,800	\$ 780	\$ 780	\$ 301,302	\$ 1,555
1058	Edgewater Blvd	CI	DistMain	SC039	150	340.1	1955	60	67	0	\$ 169,100	\$ 3,000	\$ 172,100	\$ 2,160	\$ 2,160	\$ 839,063	\$ 4,330
1059	Hayes Ave	DI	DistMain	SC026	250	10.3	1974	60	48	12	\$ 6,400	\$ -	\$ 6,400	\$ 80	\$ 540	\$ 8,117	\$ 605

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
1060	Hayes Ave	DI	DistMain	SC037	250	17.3	1974	60	48	12	\$ 10,800	\$ -	\$ 10,800	\$ 140	\$ 900	\$ 13,697	\$ 1,021
1061	Hayes Ave	DI	DistMain	SC037	150	107.6	1974	60	48	12	\$ 53,500	\$ 6,000	\$ 59,500	\$ 750	\$ 4,960	\$ 75,460	\$ 5,626
1062	Hayes Ave	DI	DistMain	SC026	150	210.9	1974	60	48	12	\$ 104,900	\$ 47,800	\$ 152,700	\$ 1,910	\$ 12,730	\$ 193,661	\$ 14,439
1063	Clovelly Rd	CI	DistMain	SC062	150	274.1	1955	60	67	0	\$ 136,300	\$ 3,000	\$ 139,300	\$ 1,750	\$ 1,750	\$ 679,149	\$ 3,505
1064	Rutland Rd	CI	DistMain	SC063	150	257.3	1955	60	67	0	\$ 127,900	\$ 6,000	\$ 133,900	\$ 1,680	\$ 1,680	\$ 652,821	\$ 3,369
1065	St Gregorys Rd	PVC	DistMain	SC013	250	5.0	1981	60	41	19	\$ 3,100	\$ -	\$ 3,100	\$ 40	\$ 170	\$ 4,516	\$ 198
1066	St Gregorys Rd	PVC	DistMain	SC013	250	96.9	1980	60	42	18	\$ 60,000	\$ -	\$ 60,000	\$ 750	\$ 3,340	\$ 85,695	\$ 4,002
1067	St Gregorys Rd	PVC	DistMain	SC014	250	165.1	1980	60	42	18	\$ 102,200	\$ -	\$ 102,200	\$ 1,280	\$ 5,680	\$ 145,967	\$ 6,817
1080	Manning Rd	PVC	DistMain	T_SC00	250	89.4	1994	60	28	32	\$ 55,400	\$ -	\$ 55,400	\$ 700	\$ 1,740	\$ 104,404	\$ 2,361
1081	Manning Rd	PVC	DistMain	T_SC00	150	54.6	2002	80	20	60	\$ 27,200	\$ 3,000	\$ 30,200	\$ 380	\$ 510	\$ 99,087	\$ 869
1082	Manning Rd	PVC	DistMain	T_SC00	250	141.4	2002	80	20	60	\$ 87,600	\$ -	\$ 87,600	\$ 1,100	\$ 1,460	\$ 287,418	\$ 2,520
1083	Manning Rd	PVC	DistMain	T_SC00	250	221.0	1994	80	28	52	\$ 136,900	\$ -	\$ 136,900	\$ 1,720	\$ 2,640	\$ 383,365	\$ 4,259
1084	St Gregorys Rd	PVC	DistMain	SC016	250	178.9	1980	80	42	38	\$ 110,800	\$ 3,000	\$ 113,800	\$ 1,430	\$ 3,000	\$ 241,518	\$ 4,304
1085	St Gregorys Rd	PVC	DistMain	SC017	250	33.3	1980	80	42	38	\$ 20,700	\$ -	\$ 20,700	\$ 260	\$ 550	\$ 43,932	\$ 783
1087	St Gregorys Rd	DI	DistMain	SC017	250	195.9	1978	80	44	36	\$ 121,300	\$ 23,900	\$ 145,200	\$ 1,820	\$ 4,040	\$ 296,192	\$ 5,697
1088	Manning Rd	PVC	DistMain	T_SC00	250	349.9	1993	80	29	51	\$ 216,700	\$ 12,000	\$ 228,700	\$ 2,860	\$ 4,490	\$ 627,878	\$ 7,195
1089	Manning Rd	PVC	DistMain	T_SC00	250	7.0	1993	80	29	51	\$ 4,400	\$ -	\$ 4,400	\$ 60	\$ 90	\$ 12,080	\$ 138
1090	St Gregorys Rd	PVC	DistMain	SC034	250	139.6	1978	80	44	36	\$ 86,400	\$ 3,000	\$ 89,400	\$ 1,120	\$ 2,490	\$ 182,366	\$ 3,507
1091	St Gregorys Rd	PVC	DistMain	SC040	250	0.2	1978	80	44	36	\$ 200	\$ -	\$ 200	\$ 10	\$ 10	\$ 408	\$ 8
1092	Edgewater Blvd	CI	DistMain	SC035	250	0.2	1978	80	44	36	\$ 200	\$ -	\$ 200	\$ 10	\$ 10	\$ 408	\$ 8
1093	St Marks Rd	PVC	DistMain	SC041	150	16.1	1987	80	35	45	\$ 8,100	\$ -	\$ 8,100	\$ 110	\$ 180	\$ 19,747	\$ 275
1094	St Marks Rd	CI	DistMain	SC041	150	117.8	1955	80	67	13	\$ 58,600	\$ -	\$ 58,600	\$ 740	\$ 4,510	\$ 75,805	\$ 5,164
1095	St Gregorys Rd	PVC	DistMain	SC040	150	135.6	1987	80	35	45	\$ 67,400	\$ 9,000	\$ 76,400	\$ 960	\$ 1,700	\$ 186,252	\$ 2,591
1096	St Gregorys Rd	PVC	DistMain	SC053	150	144.8	1987	60	35	25	\$ 72,000	\$ 15,000	\$ 87,000	\$ 1,090	\$ 3,480	\$ 142,733	\$ 4,456
1097	Grant Ave	DI	DistMain	SC033	250	88.8	1974	80	48	32	\$ 55,000	\$ 6,000	\$ 61,000	\$ 770	\$ 1,910	\$ 114,957	\$ 2,599
1098	Grant Ave	DI	DistMain	SC028	250	211.3	1974	60	48	12	\$ 130,800	\$ 41,900	\$ 172,700	\$ 2,160	\$ 14,400	\$ 219,025	\$ 16,330
1099	Grant Ave	DI	DistMain	SC027	250	76.9	1974	80	48	0	\$ 47,700	\$ 21,000	\$ 68,700	\$ 860	\$ 860	\$ 334,943	\$ 1,729
1100	David Cres	DI	DistMain	SC032	150	183.6	1974	80	48	32	\$ 91,300	\$ 32,900	\$ 124,200	\$ 1,560	\$ 3,890	\$ 234,060	\$ 5,292
1101	David Cres	DI	DistMain	SC031	150	6.9	1974	60	48	12	\$ 3,500	\$ 12,000	\$ 15,500	\$ 200	\$ 1,300	\$ 19,658	\$ 1,466
1102	David Cres	DI	DistMain	SC031	150	358.2	1974	60	48	12	\$ 178,100	\$ 71,700	\$ 249,800	\$ 3,130	\$ 20,820	\$ 316,807	\$ 23,621
1103	David Cres	DI	DistMain	SC029	150	91.9	1974	60	48	12	\$ 45,700	\$ 18,000	\$ 63,700	\$ 800	\$ 5,310	\$ 80,787	\$ 6,023
1104	Jeffrey Pl	DI	DistMain	SC030	150	118.5	1974	60	48	12	\$ 58,900	\$ 32,900	\$ 91,800	\$ 1,150	\$ 7,650	\$ 116,425	\$ 8,681
1105	Edgewater Blvd	CI	DistMain	SC035	150	321.2	1955	60	67	0	\$ 159,700	\$ 6,000	\$ 165,700	\$ 2,080	\$ 2,080	\$ 807,860	\$ 3,314
1106	Fairway Cres	DI	DistMain	SC025	150	92.8	1978	60	44	16	\$ 46,200	\$ 9,000	\$ 55,200	\$ 690	\$ 3,450	\$ 75,778	\$ 4,065
1107	Fairway Cres	DI	DistMain	SC024	150	239.9	1978	60	44	16	\$ 119,300	\$ 50,800	\$ 170,100	\$ 2,130	\$ 10,640	\$ 233,511	\$ 12,528
1108	Fairway Cres	DI	DistMain	SC024	150	93.3	1978	60	44	16	\$ 46,400	\$ 23,900	\$ 70,300	\$ 880	\$ 4,400	\$ 96,507	\$ 5,178
1109	Fairway Cres	DI	DistMain	SC022	150	90.8	1978	60	44	16	\$ 45,200	\$ 12,000	\$ 57,200	\$ 720	\$ 3,580	\$ 78,523	\$ 4,213
1110	Gordon Ave	DI	DistMain	SC023	150	189.2	1978	60	44	16	\$ 94,100	\$ 41,900	\$ 136,000	\$ 1,700	\$ 8,500	\$ 186,699	\$ 10,016
1111	Cada Cres	DI	DistMain	SC018	250	88.9	1978	60	44	16	\$ 55,100	\$ 9,000	\$ 64,100	\$ 810	\$ 4,010	\$ 87,996	\$ 4,721
1112	Cada Cres	DI	DistMain	SC019	250	190.1	1978	60	44	16	\$ 117,700	\$ 41,900	\$ 159,600	\$ 2,000	\$ 9,980	\$ 219,097	\$ 11,755
1113	Cada Cres	DI	DistMain	SC021	250	163.9	1978	60	44	16	\$ 101,500	\$ 41,900	\$ 143,400	\$ 1,800	\$ 8,970	\$ 196,857	\$ 10,561
1115	Cada Cres	DI	DistMain	SC021	150	93.0	1978	60	44	16	\$ 46,300	\$ 15,000	\$ 61,300	\$ 770	\$ 3,840	\$ 84,152	\$ 4,515
1116	Cada Cres	DI	DistMain	SC130	150	94.2	1978	60	44	16	\$ 46,900	\$ 15,000	\$ 61,900	\$ 780	\$ 3,870	\$ 84,975	\$ 4,559
1117	Aloha Dr	PVC	DistMain	SC123	150	217.5	1998	60	24	36	\$ 108,200	\$ 53,800	\$ 162,000	\$ 2,030	\$ 4,500	\$ 330,462	\$ 6,356
1118	Clovelly Rd	CI	DistMain	SC064	150	163.9	1955	60	67	0	\$ 81,500	\$ -	\$ 81,500	\$ 1,020	\$ 1,020	\$ 397,348	\$ 2,051
1119	Essex Rd	CI	DistMain	SC061	150	131.3	1955	60	67	0	\$ 65,300	\$ -	\$ 65,300	\$ 820	\$ 820	\$ 318,366	\$ 1,643
1120	Derby Rd	PVC	DistMain	SC107	150	110.9	1988	60	34	26	\$ 55,200	\$ 3,000	\$ 58,200	\$ 730	\$ 2,240	\$ 97,393	\$ 2,892
1121	Brighton Rd	PVC	DistMain	SC113	150	75.6	1988	80	34	46	\$ 37,600	\$ 6,000	\$ 43,600	\$ 550	\$ 950	\$ 108,416	\$ 1,459
1122	Brighton Rd	PVC	DistMain	SC112	250	0.6	1988	60	34	26	\$ 400	\$ -	\$ 400	\$ 10	\$ 20	\$ 669	\$ 20
1123	Brighton Rd	PVC	DistMain	SC115	250	32.8	1988	60	34	26	\$ 20,300	\$ -	\$ 20,300	\$ 260	\$ 790	\$ 33,970	\$ 1,009
1124	Brighton Rd	PVC	DistMain	SC117	250	75.8	1988	80	34	46	\$ 47,000	\$ 15,000	\$ 62,000	\$ 780	\$ 1,350	\$ 154,170	\$ 2,074

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
1125	Tecumseh Rd	DI	DistMain	SC114	200	161.3	1980	80	42	38	\$ 95,000	\$ 9,000	\$ 104,000	\$ 1,300	\$ 2,740	\$ 220,719	\$ 3,933
1126	Caritas Crt	PVC	DistMain	SC116	150	10.5	1988	80	34	46	\$ 5,300	\$ -	\$ 5,300	\$ 70	\$ 120	\$ 13,179	\$ 177
1127	Caritas Crt	PVC	DistMain	SC116	150	90.9	2001	80	21	59	\$ 45,200	\$ 62,800	\$ 108,000	\$ 1,350	\$ 1,840	\$ 347,403	\$ 3,134
1128	Dresden Pl	PVC	DistMain	SC075	150	83.9	1984	80	38	42	\$ 41,700	\$ -	\$ 41,700	\$ 530	\$ 1,000	\$ 95,795	\$ 1,477
1129	Dresden Pl	PVC	DistMain	SC069	150	207.0	1985	60	37	23	\$ 102,900	\$ 29,900	\$ 132,800	\$ 1,660	\$ 5,780	\$ 209,412	\$ 7,260
1130	Dresden Pl	PVC	DistMain	SC071	150	94.5	1985	80	37	43	\$ 47,000	\$ 12,000	\$ 59,000	\$ 740	\$ 1,380	\$ 138,248	\$ 2,059
1131	Dresden Pl	PVC	DistMain	SC073	150	86.6	1984	80	38	42	\$ 43,100	\$ 3,000	\$ 46,100	\$ 580	\$ 1,100	\$ 105,903	\$ 1,633
1132	Rostrevor Crt	PVC	DistMain	SC078	150	102.9	1984	80	38	42	\$ 51,200	\$ 21,000	\$ 72,200	\$ 910	\$ 1,720	\$ 165,861	\$ 2,557
1133	Birkdale Crt	PVC	DistMain	SC076	150	92.3	1984	80	38	42	\$ 45,900	\$ 18,000	\$ 63,900	\$ 800	\$ 1,530	\$ 146,794	\$ 2,263
1134	Cumberland Crt	PVC	DistMain	SC074	150	84.3	1984	80	38	42	\$ 42,000	\$ 21,000	\$ 63,000	\$ 790	\$ 1,500	\$ 144,726	\$ 2,231
1135	Cambridge Crt	PVC	DistMain	SC072	150	79.0	1985	80	37	43	\$ 39,300	\$ 21,000	\$ 60,300	\$ 760	\$ 1,410	\$ 141,294	\$ 2,104
1136	Oakfield Crt	PVC	DistMain	SC070	150	74.2	1985	80	37	43	\$ 36,900	\$ 21,000	\$ 57,900	\$ 730	\$ 1,350	\$ 135,671	\$ 2,020
1138	Brighton Rd	PVC	DistMain	SC110	250	83.7	1993	80	29	51	\$ 51,900	\$ 6,000	\$ 57,900	\$ 730	\$ 1,140	\$ 158,960	\$ 1,821
1139	Brighton Rd	PVC	DistMain	SC112	250	109.9	1993	80	29	51	\$ 68,100	\$ 12,000	\$ 80,100	\$ 1,010	\$ 1,580	\$ 219,908	\$ 2,520
1140	Brighton Rd	PVC	DistMain	SC109	150	98.7	2010	80	12	68	\$ 49,100	\$ 15,000	\$ 64,100	\$ 810	\$ 950	\$ 246,416	\$ 1,733
1141	Brighton Rd	PVC	DistMain	SC109	150	121.8	2010	80	12	68	\$ 60,600	\$ 18,000	\$ 78,600	\$ 990	\$ 1,160	\$ 302,158	\$ 2,125
1142	Mei-Lin Cres	PVC	DistMain	SC111	150	63.7	1993	80	29	51	\$ 31,700	\$ 21,000	\$ 52,700	\$ 660	\$ 1,040	\$ 144,684	\$ 1,658
1143	Beach Grove Rd	PVC	DistMain	SC118	200	119.1	1988	80	34	46	\$ 70,200	\$ 15,000	\$ 85,200	\$ 1,070	\$ 1,860	\$ 211,859	\$ 2,850
1144	Beach Grove Rd	PVC	DistMain	SC119	200	0.6	1988	80	34	46	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 995	\$ 13
1145	Beach Grove Rd	PVC	DistMain	SC119	150	86.0	1988	80	34	46	\$ 42,800	\$ 9,000	\$ 51,800	\$ 650	\$ 1,130	\$ 128,806	\$ 1,733
1146	Pentilly Rd	PVC	DistMain	SC120	150	19.9	1988	80	34	46	\$ 9,900	\$ -	\$ 9,900	\$ 130	\$ 220	\$ 24,617	\$ 331
1147	Pentilly Rd	PVC	DistMain	SC121	150	0.3	2004	80	18	62	\$ 200	\$ -	\$ 200	\$ 10	\$ 10	\$ 683	\$ 6
1148	Pentilly Rd	PVC	DistMain	SC120	200	0.5	1988	80	34	46	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 995	\$ 13
1149	Pentilly Rd	PVC	DistMain	SC120	150	170.1	1988	80	34	46	\$ 84,600	\$ 38,900	\$ 123,500	\$ 1,550	\$ 2,690	\$ 307,096	\$ 4,131
1151	Derby Rd	CI	DistMain	SC107	150	2.1	1972	80	50	30	\$ 1,100	\$ 3,000	\$ 4,100	\$ 60	\$ 140	\$ 7,427	\$ 183
1152	Highway 2	DI	DistMain	T_SS00	200	1.1	1985	80	37	43	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 1,640	\$ 24
1153	Highway 2	DI	DistMain	T_SS00	200	7.9	1985	80	37	43	\$ 4,700	\$ -	\$ 4,700	\$ 60	\$ 110	\$ 11,013	\$ 164
1155	Highway 2	DI	Trunk	T_SS00	300	394.8	1985	60	37	23	\$ 264,200	\$ -	\$ 264,200	\$ 3,310	\$ 11,490	\$ 416,617	\$ 14,443
1156	Lesperance Rd	CI	DistMain	SS048	150	7.6	1960	60	62	0	\$ 3,800	\$ -	\$ 3,800	\$ 50	\$ 50	\$ 18,527	\$ 96
1157	Lesperance Rd	DI	Trunk	SS048	300	108.5	1985	60	37	23	\$ 72,600	\$ 15,000	\$ 87,600	\$ 1,100	\$ 3,810	\$ 138,136	\$ 4,789
1158	West Lake Dr	DI	Trunk	SS045	300	220.3	1985	60	37	23	\$ 147,400	\$ 29,900	\$ 177,300	\$ 2,220	\$ 7,710	\$ 279,584	\$ 9,693
1159	West Lake Dr	DI	Trunk	SS046	300	140.2	1985	60	37	23	\$ 93,900	\$ 9,000	\$ 102,900	\$ 1,290	\$ 4,480	\$ 162,263	\$ 5,625
1160	Kavanagh Dr	DI	DistMain	SS016	150	3.7	1985	60	37	23	\$ 1,900	\$ -	\$ 1,900	\$ 30	\$ 90	\$ 2,996	\$ 104
1161	West Lake Dr	DI	DistMain	SS026	150	4.7	1985	60	37	23	\$ 2,400	\$ -	\$ 2,400	\$ 30	\$ 110	\$ 3,785	\$ 131
1162	West Lake Dr	DI	Trunk	SS026	300	129.3	1985	60	37	23	\$ 86,600	\$ -	\$ 86,600	\$ 1,090	\$ 3,770	\$ 136,559	\$ 4,734
1164	Lesperance Rd	DI	DistMain	SS048	250	18.1	1997	60	25	35	\$ 11,300	\$ -	\$ 11,300	\$ 150	\$ 330	\$ 22,599	\$ 452
1166	Lesperance Rd	PVC	DistMain	SS044	200	159.6	1997	60	25	35	\$ 94,100	\$ 29,900	\$ 124,000	\$ 1,550	\$ 3,550	\$ 247,986	\$ 4,960
1167	Lesperance Rd	PVC	DistMain	SS042	150	2.1	1997	60	25	35	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 40	\$ 2,200	\$ 44
1168	Lesperance Rd	PVC	DistMain	SS042	200	153.8	1997	60	25	35	\$ 90,600	\$ 32,900	\$ 123,500	\$ 1,550	\$ 3,530	\$ 246,986	\$ 4,940
1169	Calvary Crt	PVC	DistMain	SS039	150	3.4	1997	60	25	35	\$ 1,800	\$ -	\$ 1,800	\$ 30	\$ 60	\$ 3,600	\$ 72
1170	Lesperance Rd	PVC	DistMain	SS038	200	321.2	1997	60	25	35	\$ 189,200	\$ 59,800	\$ 249,000	\$ 3,120	\$ 7,120	\$ 497,972	\$ 9,961
1171	Gouin St	CI	DistMain	SS037	150	6.5	1997	63	25	38	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 90	\$ 7,004	\$ 125
1172	Lesperance Rd	PVC	DistMain	SS036	200	17.0	1997	80	25	55	\$ 10,100	\$ -	\$ 10,100	\$ 130	\$ 190	\$ 30,014	\$ 304
1173	Gouin St	PVC	DistMain	SS089	200	3.4	1997	80	25	55	\$ 2,100	\$ -	\$ 2,100	\$ 30	\$ 40	\$ 6,241	\$ 63
1174	Gouin St	PVC	DistMain	SS089	250	14.4	1997	80	25	55	\$ 9,000	\$ -	\$ 9,000	\$ 120	\$ 170	\$ 26,746	\$ 271
1175	Gouin St	PVC	DistMain	SS089	150	1.3	1997	80	25	55	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,080	\$ 21
1176	Gouin St	PVC	DistMain	SS089	150	1.0	1997	80	25	55	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,486	\$ 15
1177	Gouin St	PVC	DistMain	SS089	150	4.2	1997	60	25	35	\$ 2,200	\$ -	\$ 2,200	\$ 30	\$ 70	\$ 4,400	\$ 88
1178	Lesperance Rd	PVC	DistMain	SS134	200	327.8	1997	80	25	55	\$ 193,100	\$ 56,800	\$ 249,900	\$ 3,130	\$ 4,550	\$ 742,635	\$ 7,533
1180	12th Con Rd	PVC	DistMain	SS181	200	90.7	2003	80	19	61	\$ 53,500	\$ 6,000	\$ 59,500	\$ 750	\$ 980	\$ 199,126	\$ 1,697
1181	Lesperance Rd	PVC	DistMain	SS134	200	8.3	2003	80	19	61	\$ 4,900	\$ -	\$ 4,900	\$ 70	\$ 90	\$ 16,399	\$ 140

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
1182	12th Con Rd	CI	DistMain	SS181	150	221.5	1966	80	56	24	\$ 110,100	\$ 12,000	\$ 122,100	\$ 1,530	\$ 5,090	\$ 196,390	\$ 6,456
1183	12th Con Rd	PVC	DistMain	SS168	150	177.8	1966	80	56	24	\$ 88,400	\$ -	\$ 88,400	\$ 1,110	\$ 3,690	\$ 142,186	\$ 4,674
1184	12th Con Rd	PVC	DistMain	SS168	150	300.7	1990	80	32	48	\$ 149,500	\$ 21,000	\$ 170,500	\$ 2,140	\$ 3,560	\$ 441,096	\$ 5,559
1185	12th Con Rd	PVC	DistMain	SS168	150	19.8	1990	80	32	48	\$ 9,900	\$ -	\$ 9,900	\$ 130	\$ 210	\$ 25,612	\$ 323
1186	12th Con Rd	PVC	DistMain	SS168	150	81.4	1990	80	32	48	\$ 40,500	\$ 3,000	\$ 43,500	\$ 550	\$ 910	\$ 112,538	\$ 1,418
1187	12th Con Rd	PVC	DistMain	SS168	150	211.1	1990	80	32	48	\$ 105,000	\$ 12,000	\$ 117,000	\$ 1,470	\$ 2,440	\$ 302,687	\$ 3,814
1188	12th Con Rd	PVC	DistMain	SS168	150	5.7	1990	60	32	28	\$ 2,900	\$ -	\$ 2,900	\$ 40	\$ 110	\$ 5,049	\$ 136
1189	12th Con Rd	PVC	DistMain	SS168	150	153.9	1990	80	32	48	\$ 76,600	\$ 9,000	\$ 85,600	\$ 1,070	\$ 1,790	\$ 221,453	\$ 2,791
1190	12th Con Rd	PVC	DistMain	SS168	150	58.4	1990	80	32	48	\$ 29,100	\$ 6,000	\$ 35,100	\$ 440	\$ 740	\$ 90,806	\$ 1,144
1191	12th Con Rd	PVC	DistMain	SS168	150	224.5	1997	80	25	55	\$ 111,600	\$ -	\$ 111,600	\$ 1,400	\$ 2,030	\$ 331,645	\$ 3,364
1192	Highway 2	PVC	DistMain	T_SS00	400	1.3	1989	80	33	47	\$ 1,400	\$ -	\$ 1,400	\$ 20	\$ 30	\$ 3,551	\$ 46
1193	Highway 2	PVC	DistMain	T_SS00	250	15.8	1989	80	33	47	\$ 9,800	\$ -	\$ 9,800	\$ 130	\$ 210	\$ 24,856	\$ 324
1194	Sylvestre Dr	PVC	DistMain	SS098	250	601.5	1989	80	33	47	\$ 372,400	\$ 9,000	\$ 381,400	\$ 4,770	\$ 8,120	\$ 967,361	\$ 12,593
1195	Desro Dr	PVC	DistMain	SS100	250	386.2	1989	80	33	47	\$ 239,100	\$ 12,000	\$ 251,100	\$ 3,140	\$ 5,350	\$ 636,876	\$ 8,291
1196	Desro Dr	PVC	DistMain	SS100	200	2.0	1989	80	33	47	\$ 1,200	\$ -	\$ 1,200	\$ 20	\$ 30	\$ 3,044	\$ 40
1197	Manning Rd	PVC	DistMain	SS101	200	11.9	1989	80	33	47	\$ 7,000	\$ -	\$ 7,000	\$ 90	\$ 150	\$ 17,754	\$ 231
1198	Manning Rd	PVC	DistMain	SS101	200	62.4	1989	80	33	47	\$ 36,800	\$ -	\$ 36,800	\$ 460	\$ 790	\$ 93,337	\$ 1,215
1199	Manning Rd	PVC	DistMain	SS099	200	285.3	1989	80	33	47	\$ 168,100	\$ 6,000	\$ 174,100	\$ 2,180	\$ 3,710	\$ 441,577	\$ 5,748
1200	Manning Rd	PVC	DistMain	SS096	200	382.1	1989	80	33	47	\$ 225,100	\$ -	\$ 225,100	\$ 2,820	\$ 4,790	\$ 570,931	\$ 7,432
1201	Manning Rd	PVC	DistMain	SS092	200	817.2	1989	80	33	47	\$ 481,400	\$ 15,000	\$ 496,400	\$ 6,210	\$ 10,570	\$ 1,259,041	\$ 16,390
1203	County Rd 42	PVC	DistMain	SS133	250	188.2	2003	80	19	61	\$ 116,600	\$ 15,000	\$ 131,600	\$ 1,650	\$ 2,160	\$ 440,419	\$ 3,754
1204	Maisonneuve St	PVC	DistMain	SS035	150	15.7	1998	80	24	56	\$ 7,800	\$ -	\$ 7,800	\$ 100	\$ 140	\$ 23,643	\$ 233
1205	Lesperance Rd	PVC	DistMain	SS036	200	312.1	1998	80	24	56	\$ 183,900	\$ 56,800	\$ 240,700	\$ 3,010	\$ 4,300	\$ 729,601	\$ 7,184
1206	Lesperance Rd	PVC	DistMain	SS034	150	11.9	1998	80	24	56	\$ 5,900	\$ 3,000	\$ 8,900	\$ 120	\$ 160	\$ 26,977	\$ 266
1207	Lesperance Rd	PVC	DistMain	SS034	200	54.2	1998	80	24	56	\$ 32,000	\$ 6,000	\$ 38,000	\$ 480	\$ 680	\$ 115,184	\$ 1,134
1208	Lesperance Rd	PVC	DistMain	SS034	200	301.7	2000	80	22	58	\$ 177,700	\$ 65,800	\$ 243,500	\$ 3,050	\$ 4,200	\$ 767,908	\$ 7,131
1210	Lesperance Rd	PVC	DistMain	SS077	200	74.2	2000	80	22	58	\$ 43,700	\$ 15,000	\$ 58,700	\$ 740	\$ 1,020	\$ 185,118	\$ 1,719
1211	Charlene Lane	PVC	DistMain	SS078	150	13.2	2000	80	22	58	\$ 6,600	\$ -	\$ 6,600	\$ 90	\$ 120	\$ 20,814	\$ 193
1212	Meconi Dr	PVC	DistMain	SS063	150	12.8	2000	80	22	58	\$ 6,400	\$ -	\$ 6,400	\$ 80	\$ 120	\$ 20,183	\$ 187
1213	Lesperance Rd	PVC	DistMain	SS076	200	364.9	2000	80	22	58	\$ 215,000	\$ 74,700	\$ 289,700	\$ 3,630	\$ 5,000	\$ 913,605	\$ 8,484
1214	Lesperance Rd	PVC	DistMain	SS062	200	7.5	2000	80	22	58	\$ 4,500	\$ 3,000	\$ 7,500	\$ 100	\$ 130	\$ 23,652	\$ 220
1215	Lesperance Rd	PVC	DistMain	SS144	200	42.9	2001	80	21	59	\$ 25,300	\$ -	\$ 25,300	\$ 320	\$ 430	\$ 81,382	\$ 734
1216	Lesperance Rd	PVC	DistMain	SS054	200	31.9	2001	80	21	59	\$ 18,800	\$ -	\$ 18,800	\$ 240	\$ 320	\$ 60,474	\$ 546
1217	Lesperance Rd	PVC	DistMain	SS054	200	54.6	2001	80	21	59	\$ 32,200	\$ 9,000	\$ 41,200	\$ 520	\$ 700	\$ 132,528	\$ 1,196
1218	North Pacific Ave	PVC	DistMain	SS055	200	3.7	2001	80	21	59	\$ 2,200	\$ -	\$ 2,200	\$ 30	\$ 40	\$ 7,077	\$ 64
1219	Lesperance Rd	PVC	DistMain	SS062	200	117.1	2001	80	21	59	\$ 69,000	\$ 12,000	\$ 81,000	\$ 1,020	\$ 1,380	\$ 260,552	\$ 2,351
1220	Lesperance Rd	PVC	DistMain	SS142	150	4.3	1997	80	25	55	\$ 2,200	\$ -	\$ 2,200	\$ 30	\$ 40	\$ 6,538	\$ 66
1221	Docherty Dr	PVC	DistMain	SS140	200	5.0	1997	80	25	55	\$ 3,000	\$ -	\$ 3,000	\$ 40	\$ 60	\$ 8,915	\$ 90
1222	Lesperance Rd	PVC	DistMain	SS142	200	227.9	1997	80	25	55	\$ 134,300	\$ 9,000	\$ 143,300	\$ 1,800	\$ 2,610	\$ 425,849	\$ 4,320
1223	Lesperance Rd	PVC	DistMain	SS141	200	309.8	1997	80	25	55	\$ 182,500	\$ 74,700	\$ 257,200	\$ 3,220	\$ 4,680	\$ 764,329	\$ 7,753
1224	Lesperance Rd	PVC	DistMain	SS135	200	88.7	1997	80	25	55	\$ 52,300	\$ 21,000	\$ 73,300	\$ 920	\$ 1,340	\$ 217,828	\$ 2,210
1225	Wildberry Cres	PVC	DistMain	SS152	200	16.8	1997	80	25	55	\$ 10,000	\$ -	\$ 10,000	\$ 130	\$ 190	\$ 29,717	\$ 301
1227	Manning Rd	PVC	DistMain	SS092	150	27.8	1989	80	33	47	\$ 13,900	\$ -	\$ 13,900	\$ 180	\$ 300	\$ 35,255	\$ 459
1228	Manning Rd	PVC	DistMain	SS092	200	31.2	1989	80	33	47	\$ 18,400	\$ -	\$ 18,400	\$ 230	\$ 400	\$ 46,669	\$ 608
1229	Manning Rd	PVC	DistMain	SS092	200	327.2	1989	80	33	47	\$ 192,800	\$ -	\$ 192,800	\$ 2,410	\$ 4,110	\$ 489,007	\$ 6,366
1230	Manning Rd	PVC	DistMain	SS154	200	18.1	1989	80	33	47	\$ 10,700	\$ -	\$ 10,700	\$ 140	\$ 230	\$ 27,139	\$ 353
1231	Manning Rd	PVC	DistMain	SS154	200	754.3	1989	80	33	47	\$ 444,400	\$ 6,000	\$ 450,400	\$ 5,630	\$ 9,590	\$ 1,142,369	\$ 14,871
1235	Manning Rd	PVC	DistMain	SS154	200	52.2	1989	80	33	47	\$ 30,800	\$ -	\$ 30,800	\$ 390	\$ 660	\$ 78,119	\$ 1,017
1236	St Anne St	CI	DistMain	SS056	150	514.4	1962	80	60	20	\$ 255,700	\$ 18,000	\$ 273,700	\$ 3,430	\$ 13,690	\$ 406,704	\$ 16,739
1237	St Anne St	PVC	DistMain	SS056	150	1.4	1990	80	32	48	\$ 800	\$ -	\$ 800	\$ 10	\$ 20	\$ 2,070	\$ 26
1238	North Pacific Ave	PVC	Trunk	SS055	300	175.8	1990	60	32	28	\$ 117,700	\$ 18,000	\$ 135,700	\$ 1,700	\$ 4,850	\$ 236,257	\$ 6,376

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Watermain Inventory

GIS Database											2021 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				
1239	South Pacific Ave	PVC	Trunk	SS143	300	28.8	1990	60	32	28	\$ 19,300	\$ -	\$ 19,300	\$ 250	\$ 690	\$ 33,602	\$ 907
1240	South Pacific Ave	PVC	Trunk	SS143	300	53.8	1990	60	32	28	\$ 36,000	\$ 3,000	\$ 39,000	\$ 490	\$ 1,400	\$ 67,900	\$ 1,833
1241	South Pacific Ave	PVC	Trunk	SS143	300	81.1	1990	80	32	48	\$ 54,300	\$ -	\$ 54,300	\$ 680	\$ 1,140	\$ 140,478	\$ 1,770
1242	St Alphonse St	PVC	DistMain	SS128	150	260.4	2002	60	20	40	\$ 129,500	\$ 29,900	\$ 159,400	\$ 2,000	\$ 3,990	\$ 351,962	\$ 5,827
1244	St Alphonse St	PVC	DistMain	SS128	150	0.9	1994	80	28	52	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,400	\$ 16
1246	Shields Rd	PVC	Trunk	SS137	300	1.0	1994	80	28	52	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 1,960	\$ 22
1247	Shields Rd	PVC	Trunk	SS137	300	101.9	1990	80	32	48	\$ 68,200	\$ 15,000	\$ 83,200	\$ 1,040	\$ 1,740	\$ 215,244	\$ 2,712
1248	Docherty Dr	PVC	Trunk	SS138	300	298.5	1990	80	32	48	\$ 199,700	\$ 68,800	\$ 268,500	\$ 3,360	\$ 5,600	\$ 694,628	\$ 8,754
1249	Docherty Dr	PVC	Trunk	SS138	300	69.9	1990	80	32	48	\$ 46,800	\$ 18,000	\$ 64,800	\$ 810	\$ 1,350	\$ 167,642	\$ 2,113
1250	Docherty Dr	PVC	DistMain	SS140	200	59.3	1990	80	32	48	\$ 35,000	\$ -	\$ 35,000	\$ 440	\$ 730	\$ 90,547	\$ 1,141
1251	South Pacific Ave	PVC	Trunk	SS143	300	24.2	2003	80	19	61	\$ 16,300	\$ -	\$ 16,300	\$ 210	\$ 270	\$ 54,550	\$ 465
1252	South Pacific Ave	PVC	Trunk	SS143	300	6.9	1990	80	32	48	\$ 4,700	\$ -	\$ 4,700	\$ 60	\$ 100	\$ 12,159	\$ 153
1253	Holmes Crt	PVC	Trunk	SS139	300	270.6	1990	80	32	48	\$ 181,100	\$ 41,900	\$ 223,000	\$ 2,790	\$ 4,650	\$ 576,917	\$ 7,270
1254	Jillian Rd	PVC	DistMain	SS124	150	78.9	2002	80	20	60	\$ 39,300	\$ 21,000	\$ 60,300	\$ 760	\$ 1,010	\$ 197,846	\$ 1,735
1255	St Alphonse St	PVC	Trunk	SS125	300	241.8	1994	80	28	52	\$ 161,800	\$ 23,900	\$ 185,700	\$ 2,330	\$ 3,580	\$ 520,021	\$ 5,777
1256	St Alphonse St	PVC	Trunk	SS123	300	193.8	1994	80	28	52	\$ 129,700	\$ 29,900	\$ 159,600	\$ 2,000	\$ 3,070	\$ 446,932	\$ 4,965
1257	County Rd 42	PVC	Trunk	SS133	300	4.9	1994	80	28	52	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 70	\$ 9,241	\$ 103
1260	Manning Rd	PVC	DistMain	SS182	200	252.2	1986	80	36	44	\$ 148,600	\$ 9,000	\$ 157,600	\$ 1,970	\$ 3,590	\$ 376,672	\$ 5,420
1261	Manning Rd	PVC	DistMain	SS182	200	23.2	1986	80	36	44	\$ 13,700	\$ -	\$ 13,700	\$ 180	\$ 320	\$ 32,744	\$ 471
1262	Manning Rd	PVC	DistMain	SS182	200	60.9	1986	80	36	44	\$ 35,900	\$ 3,000	\$ 38,900	\$ 490	\$ 890	\$ 92,973	\$ 1,338
1263	Manning Rd	PVC	DistMain	SS182	150	26.4	1998	80	24	56	\$ 13,200	\$ -	\$ 13,200	\$ 170	\$ 240	\$ 40,011	\$ 394
1264	Manning Rd	PVC	DistMain	SS182	150	3.1	1998	60	24	36	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 50	\$ 3,264	\$ 63
1265	Manning Rd	PVC	DistMain	SS182	200	281.7	1998	60	24	36	\$ 165,900	\$ -	\$ 165,900	\$ 2,080	\$ 4,610	\$ 338,417	\$ 6,509
1273	County Rd 42	PVC	DistMain	SS145	250	22.4	2003	80	19	61	\$ 13,900	\$ -	\$ 13,900	\$ 180	\$ 230	\$ 46,518	\$ 396
1275	Gouin St	CI	DistMain	SS037	150	124.3	1962	80	60	20	\$ 61,800	\$ 3,000	\$ 64,800	\$ 810	\$ 3,240	\$ 96,289	\$ 3,963
1276	St Anne St	CI	DistMain	SS031	150	344.4	1962	80	60	20	\$ 171,200	\$ -	\$ 171,200	\$ 2,140	\$ 8,560	\$ 254,394	\$ 10,470
1277	St Anne St	CI	DistMain	SS029	150	324.4	1962	60	60	0	\$ 161,300	\$ 18,000	\$ 179,300	\$ 2,250	\$ 2,250	\$ 874,166	\$ 4,511
1280	Murray Cres	PVC	DistMain	SS058	150	76.9	1989	80	33	47	\$ 38,300	\$ 15,000	\$ 53,300	\$ 670	\$ 1,140	\$ 135,187	\$ 1,760
1281	Murray Cres	PVC	DistMain	SS058	150	320.1	1989	60	33	27	\$ 159,100	\$ 86,700	\$ 245,800	\$ 3,080	\$ 9,110	\$ 419,553	\$ 11,870
1282	North Pacific Ave	PVC	Trunk	SS059	300	77.2	1989	60	33	27	\$ 51,700	\$ 15,000	\$ 66,700	\$ 840	\$ 2,480	\$ 113,849	\$ 3,221
1283	North Pacific Ave	PVC	Trunk	SS057	300	64.0	1989	60	33	27	\$ 42,900	\$ 12,000	\$ 54,900	\$ 690	\$ 2,040	\$ 93,708	\$ 2,651
1284	North Pacific Ave	PVC	Trunk	SS057	300	190.2	1990	60	32	28	\$ 127,300	\$ 29,900	\$ 157,200	\$ 1,970	\$ 5,620	\$ 273,689	\$ 7,387
1285	Intersection Rd	PVC	DistMain	SS006	150	1.3	1987	60	35	25	\$ 700	\$ -	\$ 700	\$ 10	\$ 30	\$ 1,148	\$ 36
1286	Intersection Rd	PVC	DistMain	SS006	200	92.5	1987	80	35	45	\$ 54,500	\$ 6,000	\$ 60,500	\$ 760	\$ 1,350	\$ 147,490	\$ 2,052
1287	Intersection Rd	PVC	DistMain	SS006	200	646.0	1987	80	35	45	\$ 380,600	\$ 23,900	\$ 404,500	\$ 5,060	\$ 8,990	\$ 986,112	\$ 13,716
1288	County Rd 42	PVC	DistMain	SS119	200	1.1	2000	80	22	58	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,208	\$ 21
1289	Odessa Dr	PVC	DistMain	SS118	200	138.8	1991	80	31	49	\$ 81,800	\$ -	\$ 81,800	\$ 1,030	\$ 1,670	\$ 215,855	\$ 2,634
1290	County Rd 42	PVC	DistMain	SS117	200	58.8	2000	80	22	58	\$ 34,700	\$ 3,000	\$ 37,700	\$ 480	\$ 650	\$ 118,892	\$ 1,104
1291	County Rd 42	PVC	DistMain	SS119	200	117.3	2000	80	22	58	\$ 69,100	\$ 3,000	\$ 72,100	\$ 910	\$ 1,250	\$ 227,376	\$ 2,112
1292	Banwell Rd	PVC	DistMain	SS116	200	274.2	1985	80	37	43	\$ 161,600	\$ 18,000	\$ 179,600	\$ 2,250	\$ 4,180	\$ 420,837	\$ 6,266
1293	Banwell Rd	PVC	DistMain	SS116	200	825.4	2000	80	22	58	\$ 486,200	\$ 15,000	\$ 501,200	\$ 6,270	\$ 8,650	\$ 1,580,597	\$ 14,678
1294	County Rd 42	PVC	DistMain	SS117	200	549.0	1978	80	44	36	\$ 323,400	\$ 21,000	\$ 344,400	\$ 4,310	\$ 9,570	\$ 702,537	\$ 13,512
1295	County Rd 42	PVC	DistMain	SS117	200	2.4	1978	80	44	36	\$ 1,500	\$ -	\$ 1,500	\$ 20	\$ 50	\$ 3,060	\$ 59
1296	County Rd 42	DI	DistMain	SS115	200	11.6	1978	80	44	36	\$ 6,900	\$ -	\$ 6,900	\$ 90	\$ 200	\$ 14,075	\$ 271
1297	County Rd 42	PVC	DistMain	SS115	200	177.6	1978	80	44	36	\$ 104,600	\$ 21,000	\$ 125,600	\$ 1,570	\$ 3,490	\$ 256,210	\$ 4,928
1304	Baseline Rd	PVC	DistMain	SS164	200	687.3	1999	80	23	57	\$ 404,900	\$ 23,900	\$ 428,800	\$ 5,360	\$ 7,530	\$ 1,325,759	\$ 12,676
1305	11th Con Rd	PVC	DistMain	SS165	150	144.7	1991	80	31	49	\$ 71,900	\$ 15,000	\$ 86,900	\$ 1,090	\$ 1,780	\$ 229,313	\$ 2,799
1306	11th Con Rd	PVC	DistMain	SS165	200	481.0	1996	80	26	54	\$ 283,400	\$ 6,000	\$ 289,400	\$ 3,620	\$ 5,360	\$ 843,156	\$ 8,813
1307	11th Con Rd	PVC	DistMain	SS165	200	190.6	1998	60	24	36	\$ 112,300	\$ 12,000	\$ 124,300	\$ 1,560	\$ 3,460	\$ 253,558	\$ 4,877
1308	11th Con Rd	PVC	DistMain	SS165	200	880.9	1999	80	23	57	\$ 518,900	\$ 23,900	\$ 542,800	\$ 6,790	\$ 9,530	\$ 1,678,223	\$ 16,046
1309	Baseline Rd	PVC	DistMain	SS166	200	2.7	1999	80	23	57	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 30	\$ 4,947	\$ 47

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Watermain Inventory

GIS Database											2021 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				
1310	11th Con Rd	PVC	DistMain	SS196	200	322.4	1999	80	23	57	\$ 189,900	\$ 12,000	\$ 201,900	\$ 2,530	\$ 3,550	\$ 624,232	\$ 5,968
1311	Shiff Dr	PVC	DistMain	SS180	200	73.5	1994	80	28	52	\$ 43,300	\$ -	\$ 43,300	\$ 550	\$ 840	\$ 121,254	\$ 1,347
1312	Shiff Dr	PVC	DistMain	SS179	200	69.4	1994	80	28	52	\$ 40,900	\$ 9,000	\$ 49,900	\$ 630	\$ 960	\$ 139,736	\$ 1,552
1313	Shiff Dr	PVC	DistMain	SS179	150	4.2	1994	80	28	52	\$ 2,100	\$ -	\$ 2,100	\$ 30	\$ 50	\$ 5,881	\$ 65
1314	Shiff Dr	PVC	DistMain	SS176	150	57.6	1994	80	28	52	\$ 28,700	\$ 15,000	\$ 43,700	\$ 550	\$ 850	\$ 122,374	\$ 1,359
1315	Shiff Dr	PVC	DistMain	SS178	150	90.2	1994	80	28	52	\$ 44,900	\$ 21,000	\$ 65,900	\$ 830	\$ 1,270	\$ 184,542	\$ 2,050
1316	Shiff Dr	PVC	DistMain	SS178	150	96.1	1994	80	28	52	\$ 47,800	\$ 38,900	\$ 86,700	\$ 1,090	\$ 1,670	\$ 242,788	\$ 2,697
1317	Green Crt	PVC	DistMain	SS177	150	3.4	1994	80	28	0	\$ 1,700	\$ -	\$ 1,700	\$ 30	\$ 30	\$ 8,288	\$ 43
1318	Green Crt	PVC	DistMain	SS177	150	153.3	1996	80	26	54	\$ 76,200	\$ 53,800	\$ 130,000	\$ 1,630	\$ 2,410	\$ 378,750	\$ 3,959
1319	Cranbrook Cres	PVC	DistMain	SS174	150	19.7	1994	80	28	52	\$ 9,800	\$ -	\$ 9,800	\$ 130	\$ 190	\$ 27,443	\$ 305
1320	Cranbrook Cres	PVC	DistMain	SS174	150	251.0	1997	80	25	55	\$ 124,800	\$ 71,700	\$ 196,500	\$ 2,460	\$ 3,580	\$ 583,945	\$ 5,923
1321	Cranbrook Cres	PVC	DistMain	SS174	150	181.8	1997	80	25	55	\$ 90,400	\$ 50,800	\$ 141,200	\$ 1,770	\$ 2,570	\$ 419,608	\$ 4,256
1322	Emma Maria Cres	PVC	DistMain	SS173	150	17.5	1994	80	28	52	\$ 8,700	\$ 3,000	\$ 11,700	\$ 150	\$ 230	\$ 32,764	\$ 364
1323	Cranbrook Cres	PVC	DistMain	SS175	150	17.8	1994	80	28	52	\$ 8,900	\$ -	\$ 8,900	\$ 120	\$ 180	\$ 24,923	\$ 277
1324	Cranbrook Cres	PVC	DistMain	SS175	150	87.9	1994	80	28	52	\$ 43,700	\$ 15,000	\$ 58,700	\$ 740	\$ 1,130	\$ 164,379	\$ 1,826
1325	Le Boeuf Ave	PVC	DistMain	SS121	150	182.6	2000	80	22	58	\$ 90,800	\$ 47,800	\$ 138,600	\$ 1,740	\$ 2,390	\$ 437,092	\$ 4,059
1326	Le Boeuf Ave	PVC	DistMain	SS121	150	97.5	2000	80	22	58	\$ 48,500	\$ 3,000	\$ 51,500	\$ 650	\$ 890	\$ 162,412	\$ 1,508
1327	County Rd 42	PVC	Trunk	SS122	300	99.7	1994	80	28	52	\$ 66,700	\$ 3,000	\$ 69,700	\$ 880	\$ 1,350	\$ 195,183	\$ 2,168
1328	County Rd 42	PVC	Trunk	SS120	300	92.0	1994	80	28	52	\$ 61,600	\$ 3,000	\$ 64,600	\$ 810	\$ 1,250	\$ 180,901	\$ 2,010
1329	County Rd 42	PVC	Trunk	SS119	300	107.4	1994	80	28	52	\$ 71,900	\$ -	\$ 71,900	\$ 900	\$ 1,390	\$ 201,344	\$ 2,237
1330	County Rd 42	PVC	DistMain	SS117	200	2.9	2000	80	22	58	\$ 1,700	\$ -	\$ 1,700	\$ 30	\$ 30	\$ 5,361	\$ 50
1331	Hebert St	PVC	DistMain	SS027	150	187.8	1987	80	35	45	\$ 93,400	\$ 41,900	\$ 135,300	\$ 1,700	\$ 3,010	\$ 329,842	\$ 4,588
1332	Hebert St	PVC	Trunk	SS025	300	393.3	1987	80	35	45	\$ 263,200	\$ 83,700	\$ 346,900	\$ 4,340	\$ 7,710	\$ 845,692	\$ 11,763
1333	Gouin St	PVC	DistMain	SS032	200	190.8	1987	80	35	45	\$ 112,400	\$ -	\$ 112,400	\$ 1,410	\$ 2,500	\$ 274,015	\$ 3,811
1334	Gouin St	PVC	DistMain	SS032	150	2.1	1987	80	35	45	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 30	\$ 2,682	\$ 37
1335	Shawnee Rd	CI	DistMain	SS011	150	0.4	1987	80	35	45	\$ 200	\$ -	\$ 200	\$ 10	\$ 10	\$ 488	\$ 7
1336	Gouin St	PVC	DistMain	SS024	200	126.5	1987	80	35	45	\$ 74,500	\$ 3,000	\$ 77,500	\$ 970	\$ 1,730	\$ 188,934	\$ 2,628
1337	Hebert St	PVC	Trunk	SS023	300	11.2	1987	80	35	45	\$ 7,500	\$ -	\$ 7,500	\$ 100	\$ 170	\$ 18,284	\$ 254
1338	Hebert St	PVC	Trunk	SS023	300	320.3	1990	80	32	48	\$ 214,300	\$ 74,700	\$ 289,000	\$ 3,620	\$ 6,030	\$ 747,663	\$ 9,422
1339	Hebert St	PVC	Trunk	SS021	300	357.7	1990	80	32	48	\$ 239,300	\$ 77,700	\$ 317,000	\$ 3,970	\$ 6,610	\$ 820,101	\$ 10,335
1341	Intersection Rd	PVC	DistMain	SS028	150	137.4	2004	60	18	42	\$ 68,400	\$ 32,900	\$ 101,300	\$ 1,270	\$ 2,420	\$ 232,711	\$ 3,588
1342	Intersection Rd	PVC	Trunk	SS020	300	126.8	1989	80	33	47	\$ 84,900	\$ -	\$ 84,900	\$ 1,070	\$ 1,810	\$ 215,336	\$ 2,803
1344	Intersection Rd	PVC	Trunk	SS006	300	41.9	1989	80	33	47	\$ 28,100	\$ -	\$ 28,100	\$ 360	\$ 600	\$ 71,271	\$ 928
1345	Shawnee Rd	PVC	Trunk	SS061	300	113.0	1989	80	33	47	\$ 75,700	\$ 21,000	\$ 96,700	\$ 1,210	\$ 2,060	\$ 245,264	\$ 3,193
1346	Shawnee Rd	PVC	Trunk	SS060	300	305.0	1989	80	33	47	\$ 204,100	\$ 83,700	\$ 287,800	\$ 3,600	\$ 6,130	\$ 729,960	\$ 9,503
1348	Gouin St	PVC	DistMain	SS012	200	200.3	1998	80	24	56	\$ 118,000	\$ 23,900	\$ 141,900	\$ 1,780	\$ 2,540	\$ 430,122	\$ 4,235
1349	Corbi Lane	PVC	DistMain	SS010	200	315.3	1998	80	24	56	\$ 185,700	\$ 83,700	\$ 269,400	\$ 3,370	\$ 4,820	\$ 816,596	\$ 8,041
1350	Candlewood Dr	PVC	DistMain	SS087	150	157.3	2006	80	16	64	\$ 78,200	\$ 32,900	\$ 111,100	\$ 1,390	\$ 1,740	\$ 394,571	\$ 3,093
1351	Deslippe Dr	PVC	DistMain	SS088	150	32.3	1990	80	32	48	\$ 16,100	\$ -	\$ 16,100	\$ 210	\$ 340	\$ 41,652	\$ 525
1352	Candlewood Dr	PVC	DistMain	SS086	150	91.0	1990	80	32	48	\$ 45,300	\$ 18,000	\$ 63,300	\$ 800	\$ 1,320	\$ 163,762	\$ 2,064
1353	Vickery Lane	PVC	DistMain	SS084	150	198.9	1990	80	32	48	\$ 98,900	\$ 35,900	\$ 134,800	\$ 1,690	\$ 2,810	\$ 348,737	\$ 4,395
1354	St Agnes Dr	PVC	DistMain	SS079	150	29.3	1990	80	32	48	\$ 14,600	\$ -	\$ 14,600	\$ 190	\$ 310	\$ 37,771	\$ 476
1355	Verdant Crt	PVC	DistMain	SS080	150	38.8	1990	80	32	48	\$ 19,300	\$ 15,000	\$ 34,300	\$ 430	\$ 720	\$ 88,737	\$ 1,118
1356	St Agnes Dr	PVC	DistMain	SS081	150	71.5	1990	80	32	48	\$ 35,600	\$ 9,000	\$ 44,600	\$ 560	\$ 930	\$ 115,383	\$ 1,454
1357	Charlene Lane	DI	DistMain	SS078	150	98.2	1980	80	42	38	\$ 48,800	\$ 9,000	\$ 57,800	\$ 730	\$ 1,530	\$ 122,669	\$ 2,186
1358	St Agnes Dr	DI	DistMain	SS079	150	166.1	1980	80	42	38	\$ 82,600	\$ 32,900	\$ 115,500	\$ 1,450	\$ 3,040	\$ 245,126	\$ 4,368
1359	Charlene Lane	DI	DistMain	SS075	150	79.0	1980	80	42	38	\$ 39,300	\$ 12,000	\$ 51,300	\$ 650	\$ 1,350	\$ 108,874	\$ 1,940
1360	Charlene Lane	PVC	DistMain	SS075	150	134.3	1992	80	30	50	\$ 66,800	\$ 29,900	\$ 96,700	\$ 1,210	\$ 1,940	\$ 260,277	\$ 3,077
1361	Charlene Lane	PVC	DistMain	SS073	150	187.0	1992	80	30	50	\$ 93,000	\$ 32,900	\$ 125,900	\$ 1,580	\$ 2,520	\$ 338,871	\$ 4,007
1362	Eugeni St	PVC	DistMain	SS074	150	191.3	1992	80	30	50	\$ 95,100	\$ 38,900	\$ 134,000	\$ 1,680	\$ 2,680	\$ 360,673	\$ 4,264
1363	Meconi Dr	DI	DistMain	SS063	150	191.8	1980	60	42	18	\$ 95,400	\$ 35,900	\$ 131,300	\$ 1,650	\$ 7,300	\$ 187,529	\$ 8,758

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
1364	Meconi Dr	DI	DistMain	SS071	150	11.9	1980	60	42	18	\$ 6,000	\$ 3,000	\$ 9,000	\$ 120	\$ 500	\$ 12,854	\$ 600
1365	Meconi Dr	PVC	DistMain	SS071	150	135.0	1992	60	30	30	\$ 67,200	\$ 26,900	\$ 94,100	\$ 1,180	\$ 3,140	\$ 170,449	\$ 4,202
1366	Roxanne Cres	DI	DistMain	SS068	150	93.2	1980	80	42	38	\$ 46,300	\$ 3,000	\$ 49,300	\$ 620	\$ 1,300	\$ 104,629	\$ 1,865
1367	Roxanne Cres	DI	DistMain	SS069	150	170.1	1980	80	42	38	\$ 84,600	\$ 29,900	\$ 114,500	\$ 1,440	\$ 3,020	\$ 243,003	\$ 4,330
1368	St Martin Cres	DI	DistMain	SS070	150	183.5	1980	80	42	38	\$ 91,200	\$ 38,900	\$ 130,100	\$ 1,630	\$ 3,430	\$ 276,111	\$ 4,920
1369	Funaro Cres	DI	DistMain	SS064	150	10.5	1980	60	42	18	\$ 5,300	\$ -	\$ 5,300	\$ 70	\$ 300	\$ 7,570	\$ 354
1370	Funaro Cres	PVC	DistMain	SS064	150	89.0	1988	60	34	26	\$ 44,300	\$ 3,000	\$ 47,300	\$ 600	\$ 1,820	\$ 79,153	\$ 2,351
1371	Funaro Cres	PVC	DistMain	SS065	150	12.3	1989	80	33	47	\$ 6,200	\$ 3,000	\$ 9,200	\$ 120	\$ 200	\$ 23,334	\$ 304
1372	Funaro Cres	PVC	DistMain	SS427	150	87.0	1989	60	33	27	\$ 43,300	\$ 15,000	\$ 58,300	\$ 730	\$ 2,160	\$ 99,511	\$ 2,815
1373	Funaro Cres	PVC	DistMain	SS065	150	135.9	1992	60	30	30	\$ 67,600	\$ 26,900	\$ 94,500	\$ 1,190	\$ 3,150	\$ 171,174	\$ 4,219
1374	Emma Maria Cres	PVC	DistMain	SS173	150	21.7	1996	60	26	34	\$ 10,800	\$ 3,000	\$ 13,800	\$ 180	\$ 410	\$ 27,057	\$ 563
1375	Emma Maria Cres	PVC	DistMain	SS173	150	74.9	1996	60	26	34	\$ 37,300	\$ 9,000	\$ 46,300	\$ 580	\$ 1,370	\$ 90,779	\$ 1,890
1376	Emma Maria Cres	PVC	DistMain	SS172	150	20.9	1996	80	26	54	\$ 10,400	\$ 3,000	\$ 13,400	\$ 170	\$ 250	\$ 39,040	\$ 408
1377	Emma Maria Cres	PVC	DistMain	SS172	150	290.7	1998	80	24	56	\$ 144,500	\$ 56,800	\$ 201,300	\$ 2,520	\$ 3,600	\$ 610,174	\$ 6,008
1378	Dimu Dr	PVC	DistMain	SS171	150	155.7	1996	80	26	54	\$ 77,400	\$ 41,900	\$ 119,300	\$ 1,500	\$ 2,210	\$ 347,576	\$ 3,633
1379	Dimu Dr	PVC	DistMain	SS170	150	89.6	1996	80	26	54	\$ 44,600	\$ 9,000	\$ 53,600	\$ 670	\$ 1,000	\$ 156,162	\$ 1,632
1380	Wildberry Cres	PVC	DistMain	SS152	150	123.1	1993	80	29	51	\$ 61,200	\$ 6,000	\$ 67,200	\$ 840	\$ 1,320	\$ 184,492	\$ 2,114
1381	Wildberry Cres	PVC	DistMain	SS150	200	101.5	1993	80	29	51	\$ 59,900	\$ 6,000	\$ 65,900	\$ 830	\$ 1,300	\$ 180,923	\$ 2,073
1382	Blueberry Crt	PVC	DistMain	SS151	150	87.5	1993	80	29	51	\$ 43,500	\$ 12,000	\$ 55,500	\$ 700	\$ 1,090	\$ 152,371	\$ 1,746
1383	Strawberry Dr	PVC	DistMain	SS149	200	5.9	1993	80	29	51	\$ 3,500	\$ -	\$ 3,500	\$ 50	\$ 70	\$ 9,609	\$ 110
1384	Strawberry Dr	PVC	DistMain	SS149	200	1.5	1993	80	29	51	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 2,471	\$ 28
1385	Strawberry Dr	PVC	DistMain	SS149	150	230.6	1993	80	29	51	\$ 114,600	\$ 74,700	\$ 189,300	\$ 2,370	\$ 3,720	\$ 519,708	\$ 5,955
1386	Wildberry Cres	PVC	DistMain	SS148	150	129.2	1993	80	29	51	\$ 64,300	\$ 38,900	\$ 103,200	\$ 1,290	\$ 2,030	\$ 283,327	\$ 3,247
1387	Wildberry Cres	PVC	DistMain	SS148	150	238.9	1993	80	29	51	\$ 118,800	\$ 65,800	\$ 184,600	\$ 2,310	\$ 3,620	\$ 506,804	\$ 5,807
1388	Strawberry Dr	PVC	DistMain	SS147	200	1.6	1993	80	29	51	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 20	\$ 2,745	\$ 31
1389	Strawberry Dr	PVC	DistMain	SS147	200	221.3	1993	80	29	51	\$ 130,400	\$ 59,800	\$ 190,200	\$ 2,380	\$ 3,730	\$ 522,179	\$ 5,983
1390	Strawberry Dr	PVC	DistMain	SS146	200	117.8	1993	80	29	51	\$ 69,400	\$ 32,900	\$ 102,300	\$ 1,280	\$ 2,010	\$ 280,856	\$ 3,218
1391	Kavanagh Dr	PVC	DistMain	SS014	150	83.3	1989	80	33	47	\$ 41,400	\$ 6,000	\$ 47,400	\$ 600	\$ 1,010	\$ 120,223	\$ 1,565
1392	Kavanagh Dr	PVC	DistMain	SS017	150	97.2	1989	80	33	47	\$ 48,400	\$ 9,000	\$ 57,400	\$ 720	\$ 1,230	\$ 145,586	\$ 1,895
1393	Kavanagh Dr	PVC	DistMain	SS016	150	73.0	1989	80	33	47	\$ 36,300	\$ 15,000	\$ 51,300	\$ 650	\$ 1,100	\$ 130,114	\$ 1,694
1394	Mayrand Cres	PVC	DistMain	SS015	150	195.1	1989	80	33	47	\$ 97,000	\$ 26,900	\$ 123,900	\$ 1,550	\$ 2,640	\$ 314,253	\$ 4,091
1395	Mayrand Cres	PVC	DistMain	SS015	150	193.3	1989	80	33	47	\$ 96,100	\$ 35,900	\$ 132,000	\$ 1,650	\$ 2,810	\$ 334,797	\$ 4,358
1396	Funaro Cres	PVC	DistMain	SS066	150	140.8	1992	80	30	50	\$ 70,000	\$ 32,900	\$ 102,900	\$ 1,290	\$ 2,060	\$ 276,964	\$ 3,275
1397	Charlene Lane	PVC	DistMain	SS072	150	86.6	1992	80	30	50	\$ 43,100	\$ 12,000	\$ 55,100	\$ 690	\$ 1,110	\$ 148,307	\$ 1,753
1398	Charlene Lane	PVC	DistMain	SS072	150	1.4	1992	80	30	50	\$ 800	\$ -	\$ 800	\$ 10	\$ 20	\$ 2,153	\$ 25
1399	Funaro Cres	PVC	DistMain	SS067	150	95.6	1992	80	30	50	\$ 47,500	\$ 15,000	\$ 62,500	\$ 790	\$ 1,250	\$ 168,224	\$ 1,989
1400	Gouin St	PVC	DistMain	SS024	200	0.6	1998	80	24	56	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,212	\$ 12
1401	Maisonneuve St	PVC	DistMain	SS008	200	13.5	1999	80	23	57	\$ 8,000	\$ -	\$ 8,000	\$ 100	\$ 150	\$ 24,734	\$ 236
1402	Corbi Lane	PVC	DistMain	SS009	200	1.5	1999	80	23	57	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 20	\$ 3,092	\$ 30
1403	Maisonneuve St	PVC	DistMain	SS008	200	40.2	1997	80	25	55	\$ 23,700	\$ -	\$ 23,700	\$ 300	\$ 440	\$ 70,430	\$ 714
1404	Maisonneuve St	PVC	DistMain	SS008	150	122.5	1992	80	30	50	\$ 60,900	\$ -	\$ 60,900	\$ 770	\$ 1,220	\$ 163,918	\$ 1,938
1405	Corbi Lane	PVC	DistMain	SS009	150	266.7	1999	80	23	57	\$ 132,600	\$ 74,700	\$ 207,300	\$ 2,600	\$ 3,640	\$ 640,928	\$ 6,128
1406	Shawnee Rd	CI	DistMain	SS019	150	192.6	1955	80	67	13	\$ 95,800	\$ -	\$ 95,800	\$ 1,200	\$ 7,370	\$ 123,928	\$ 8,442
1406	Shawnee Rd	CI	DistMain	SS019	150	46.9	1955	80	67	13	\$ 23,400	\$ -	\$ 23,400	\$ 300	\$ 1,800	\$ 30,270	\$ 2,062
1406	Shawnee Rd	CI	DistMain	SS019	150	14.7	1955	80	67	13	\$ 7,300	\$ -	\$ 7,300	\$ 100	\$ 570	\$ 9,443	\$ 643
1407	Shawnee Rd	CI	DistMain	SS018	150	279.6	1955	80	67	13	\$ 139,000	\$ 9,000	\$ 148,000	\$ 1,850	\$ 11,390	\$ 191,454	\$ 13,042
1408	Shawnee Rd	CI	DistMain	SS013	150	270.8	1955	80	67	13	\$ 134,600	\$ 12,000	\$ 146,600	\$ 1,840	\$ 11,280	\$ 189,643	\$ 12,918
1409	Shawnee Rd	CI	DistMain	SS011	150	314.5	1955	80	67	13	\$ 156,300	\$ 21,000	\$ 177,300	\$ 2,220	\$ 13,640	\$ 229,356	\$ 15,623
1410	Shawnee Rd	CI	DistMain	SS007	150	366.9	1955	60	67	0	\$ 182,400	\$ 15,000	\$ 197,400	\$ 2,470	\$ 2,470	\$ 962,412	\$ 4,967
1411	Shawnee Rd	PVC	DistMain	SS007	150	13.3	1987	60	35	25	\$ 6,700	\$ -	\$ 6,700	\$ 90	\$ 270	\$ 10,992	\$ 343
1412	Sylvestre Dr	PVC	DistMain	SS098	200	315.5	1995	60	27	33	\$ 185,900	\$ 32,900	\$ 218,800	\$ 2,740	\$ 6,640	\$ 420,584	\$ 9,121

**Appendix G-2
Watermain Inventory**

GIS Database											2021 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				
1413	Jamsyl Dr	PVC	DistMain	SS097	200	461.4	1995	60	27	33	\$ 271,800	\$ 32,900	\$ 304,700	\$ 3,810	\$ 9,240	\$ 585,704	\$ 12,702
1414	Sylvestre Dr	PVC	DistMain	SS095	150	238.8	1995	60	27	33	\$ 118,700	\$ 12,000	\$ 130,700	\$ 1,640	\$ 3,970	\$ 251,236	\$ 5,448
1415	Sylvestre Dr	PVC	DistMain	SS095	150	143.7	1995	80	27	53	\$ 71,500	\$ 12,000	\$ 83,500	\$ 1,050	\$ 1,980	\$ 238,504	\$ 2,570
1416	Gouin St	PVC	DistMain	SS089	250	119.3	1997	80	25	55	\$ 73,900	\$ 9,000	\$ 82,900	\$ 1,040	\$ 1,510	\$ 246,356	\$ 2,499
1417	Deslippe Dr	PVC	DistMain	SS090	150	91.7	1997	80	25	55	\$ 45,600	\$ 18,000	\$ 63,600	\$ 800	\$ 1,160	\$ 189,002	\$ 1,917
1418	Deslippe Dr	PVC	DistMain	SS088	150	239.1	1997	80	25	55	\$ 118,900	\$ 62,800	\$ 181,700	\$ 2,280	\$ 3,310	\$ 539,963	\$ 5,477
1419	Deslippe Dr	PVC	DistMain	SS088	150	65.5	1997	80	25	55	\$ 32,600	\$ 12,000	\$ 44,600	\$ 560	\$ 820	\$ 132,539	\$ 1,344
1420	Deslippe Dr	PVC	DistMain	SS088	150	61.5	1997	80	25	55	\$ 30,600	\$ -	\$ 30,600	\$ 390	\$ 560	\$ 90,935	\$ 922
1421	Candlewood Dr	PVC	DistMain	SS085	150	89.5	1990	80	32	48	\$ 44,600	\$ 6,000	\$ 50,600	\$ 640	\$ 1,060	\$ 130,906	\$ 1,650
1422	Lessard St	PVC	DistMain	SS043	150	176.0	1987	80	35	45	\$ 87,500	\$ 32,900	\$ 120,400	\$ 1,510	\$ 2,680	\$ 293,518	\$ 4,083
1423	Calvary Crt	PVC	DistMain	SS040	150	120.1	1999	80	23	57	\$ 59,800	\$ 15,000	\$ 74,800	\$ 940	\$ 1,320	\$ 231,266	\$ 2,211
1424	Calvary Crt	PVC	DistMain	SS040	150	79.0	1993	80	29	51	\$ 39,300	\$ 26,900	\$ 66,200	\$ 830	\$ 1,300	\$ 181,747	\$ 2,083
1425	Calvary Crt	PVC	DistMain	SS040	150	103.9	1997	80	25	55	\$ 51,700	\$ 29,900	\$ 81,600	\$ 1,020	\$ 1,490	\$ 242,493	\$ 2,460
1426	Calvary Crt	PVC	DistMain	SS039	150	115.4	1993	80	29	51	\$ 57,400	\$ -	\$ 57,400	\$ 720	\$ 1,130	\$ 157,587	\$ 1,806
1427	Chornoby Cres	PVC	DistMain	SS041	150	57.1	1997	80	25	55	\$ 28,400	\$ -	\$ 28,400	\$ 360	\$ 520	\$ 84,397	\$ 856
1428	Chornoby Cres	PVC	DistMain	SS041	150	254.5	1996	80	26	54	\$ 126,600	\$ 47,800	\$ 174,400	\$ 2,180	\$ 3,230	\$ 508,108	\$ 5,311
1429	Chornoby Cres	PVC	DistMain	SS047	150	117.2	1996	80	26	54	\$ 58,300	\$ 23,900	\$ 82,200	\$ 1,030	\$ 1,530	\$ 239,487	\$ 2,503
1430	Deslippe Dr	PVC	DistMain	SS088	150	1.3	1997	80	25	55	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,080	\$ 21
1431	Highway 3	DI	DistMain	SS267	200	1,089.9	1974	80	48	32	\$ 642,000	\$ 18,000	\$ 660,000	\$ 8,250	\$ 20,630	\$ 1,243,797	\$ 28,123
1432	Outer Dr	PVC	DistMain	SS264	150	449.1	1986	80	36	44	\$ 223,200	\$ 9,000	\$ 232,200	\$ 2,910	\$ 5,280	\$ 554,970	\$ 7,985
1433	Outer Dr	PVC	DistMain	SS265	150	1.1	1986	80	36	44	\$ 600	\$ 6,000	\$ 6,600	\$ 90	\$ 150	\$ 15,774	\$ 227
1436	N Talbot Rd	PVC	Trunk	SS231	300	96.9	1994	80	28	52	\$ 64,900	\$ 15,000	\$ 79,900	\$ 1,000	\$ 1,540	\$ 223,746	\$ 2,486
1437	Dumouchelle St	PVC	DistMain	SS232	150	20.5	1972	80	50	30	\$ 10,300	\$ 9,000	\$ 19,300	\$ 250	\$ 650	\$ 34,959	\$ 862
1438	N Talbot Rd	PVC	Trunk	SS233	300	119.7	1994	60	28	32	\$ 80,100	\$ 21,000	\$ 101,100	\$ 1,270	\$ 3,160	\$ 190,527	\$ 4,308
1443	N Talbot Rd	PVC	Trunk	SS234	300	196.3	1994	60	28	32	\$ 131,400	\$ 26,900	\$ 158,300	\$ 1,980	\$ 4,950	\$ 298,323	\$ 6,745
1444	N Talbot Rd	PVC	Trunk	SS234	300	64.7	1994	60	28	32	\$ 43,300	\$ -	\$ 43,300	\$ 550	\$ 1,360	\$ 81,601	\$ 1,845
1445	N Talbot Rd	PVC	Trunk	SS237	300	135.0	1994	80	28	52	\$ 90,300	\$ 6,000	\$ 96,300	\$ 1,210	\$ 1,860	\$ 269,672	\$ 2,996
1448	Crowder Crt	PVC	DistMain	SS280	200	191.4	1987	80	35	45	\$ 112,800	\$ 6,000	\$ 118,800	\$ 1,490	\$ 2,640	\$ 289,617	\$ 4,028
1450	Rossi Dr	DI	DistMain	SS274	200	568.1	1976	60	46	14	\$ 334,700	\$ 6,000	\$ 340,700	\$ 4,260	\$ 24,340	\$ 449,546	\$ 28,142
1453	Pulleyblank Dr	DI	DistMain	SS273	200	176.1	1996	80	26	54	\$ 103,800	\$ -	\$ 103,800	\$ 1,300	\$ 1,930	\$ 302,417	\$ 3,161
1454	Walker Rd	PVC	Trunk	SS377	300	160.9	2002	60	20	40	\$ 107,700	\$ 3,000	\$ 110,700	\$ 1,390	\$ 2,770	\$ 244,430	\$ 4,047
1455	Walker Rd	PVC	Trunk	SS377	300	69.7	2002	60	20	40	\$ 46,700	\$ -	\$ 46,700	\$ 590	\$ 1,170	\$ 103,115	\$ 1,707
1456	Highway 3	PVC	Trunk	SS299	300	12.8	1997	80	25	55	\$ 8,600	\$ -	\$ 8,600	\$ 110	\$ 160	\$ 25,557	\$ 259
1457	Oldcastle Rd	PVC	DistMain	SS300	200	257.2	1996	60	26	34	\$ 151,500	\$ 23,900	\$ 175,400	\$ 2,200	\$ 5,160	\$ 343,903	\$ 7,160
1458	Piccadilly Ave	PVC	DistMain	SS301	200	90.6	1997	80	25	55	\$ 53,400	\$ -	\$ 53,400	\$ 670	\$ 980	\$ 158,690	\$ 1,610
1459	Piccadilly Ave	PVC	DistMain	SS302	200	127.3	1997	80	25	55	\$ 75,000	\$ 26,900	\$ 101,900	\$ 1,280	\$ 1,860	\$ 302,819	\$ 3,072
1460	Trafalgar Crt	PVC	DistMain	SS303	150	55.8	1997	80	25	55	\$ 27,800	\$ -	\$ 27,800	\$ 350	\$ 510	\$ 82,614	\$ 838
1461	Trafalgar Crt	PVC	DistMain	SS303	200	148.3	1997	80	25	55	\$ 87,400	\$ 35,900	\$ 123,300	\$ 1,550	\$ 2,250	\$ 366,414	\$ 3,717
1462	Wedgewood Lane	PVC	DistMain	SS305	150	339.6	1986	80	36	44	\$ 168,800	\$ 44,900	\$ 213,700	\$ 2,680	\$ 4,860	\$ 510,754	\$ 7,349
1463	Oldcastle Rd	PVC	DistMain	SS304	200	314.6	1996	80	26	54	\$ 185,300	\$ 18,000	\$ 203,300	\$ 2,550	\$ 3,770	\$ 592,307	\$ 6,191
1464	Oldcastle Rd	PVC	DistMain	SS306	200	26.9	1996	80	26	54	\$ 15,900	\$ -	\$ 15,900	\$ 200	\$ 300	\$ 46,324	\$ 484
1466	Olympia Dr	DI	DistMain	SS286	200	242.6	1978	80	44	36	\$ 142,900	\$ -	\$ 142,900	\$ 1,790	\$ 3,970	\$ 291,500	\$ 5,606
1467	Astor Cres	DI	DistMain	SS287	200	128.3	1978	80	44	36	\$ 75,600	\$ 6,000	\$ 81,600	\$ 1,020	\$ 2,270	\$ 166,455	\$ 3,201
1468	Olympia Dr	DI	DistMain	SS288	200	157.4	1978	80	44	36	\$ 92,700	\$ 3,000	\$ 95,700	\$ 1,200	\$ 2,660	\$ 195,217	\$ 3,755
1469	Solar Cres	DI	DistMain	SS289	200	115.6	1978	80	44	36	\$ 68,100	\$ 9,000	\$ 77,100	\$ 970	\$ 2,150	\$ 157,275	\$ 3,025
1470	Walker Rd	PVC	Trunk	SS285	300	203.7	1990	80	32	48	\$ 136,300	\$ 12,000	\$ 148,300	\$ 1,860	\$ 3,090	\$ 383,663	\$ 4,835
1471	Walker Rd	PVC	Trunk	SS269	300	235.7	2002	80	20	60	\$ 157,700	\$ 18,000	\$ 175,700	\$ 2,200	\$ 2,930	\$ 576,477	\$ 5,055
1472	Walker Rd	PVC	Trunk	SS268	300	15.8	2002	60	20	40	\$ 10,600	\$ 3,000	\$ 13,600	\$ 170	\$ 340	\$ 30,029	\$ 497
1473	Walker Rd	PVC	DistMain	SS268	200	211.5	2002	60	20	40	\$ 124,600	\$ 9,000	\$ 133,600	\$ 1,670	\$ 3,340	\$ 294,994	\$ 4,884
1474	Blackacre Dr	PVC	DistMain	SS270	200	254.2	1989	60	33	27	\$ 149,800	\$ 9,000	\$ 158,800	\$ 1,990	\$ 5,890	\$ 271,054	\$ 7,669
1475	Blackacre Dr	PVC	DistMain	SS272	200	413.0	1989	60	33	27	\$ 243,300	\$ 15,000	\$ 258,300	\$ 3,230	\$ 9,570	\$ 440,889	\$ 12,474

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
1476	Blackacre Dr	PVC	DistMain	SS282	200	365.0	1996	80	26	54	\$ 215,100	\$ 6,000	\$ 221,100	\$ 2,770	\$ 4,100	\$ 644,166	\$ 6,733
1477	Roscon Industrial Dr	PVC	DistMain	SS283	200	380.2	1999	80	23	57	\$ 224,000	\$ 21,000	\$ 245,000	\$ 3,070	\$ 4,300	\$ 757,488	\$ 7,242
1478	Blackacre Dr	PVC	DistMain	SS284	200	318.5	1999	80	23	57	\$ 187,600	\$ 23,900	\$ 211,500	\$ 2,650	\$ 3,720	\$ 653,913	\$ 6,252
1479	Fasan Dr	PVC	DistMain	SS271	200	135.2	1989	80	33	47	\$ 79,700	\$ -	\$ 79,700	\$ 1,000	\$ 1,700	\$ 202,147	\$ 2,632
1480	Fasan Dr	PVC	DistMain	SS271	200	855.0	1989	80	33	47	\$ 503,700	\$ 6,000	\$ 509,700	\$ 6,380	\$ 10,850	\$ 1,292,774	\$ 16,829
1481	Walker Rd	PVC	Trunk	SS238	300	102.1	2000	80	22	58	\$ 68,300	\$ 9,000	\$ 77,300	\$ 970	\$ 1,340	\$ 243,775	\$ 2,264
1484	Walker Rd	PVC	Trunk	SS238	300	192.9	2003	80	19	61	\$ 129,100	\$ 23,900	\$ 153,000	\$ 1,920	\$ 2,510	\$ 512,038	\$ 4,364
1485	O'Neil Dr	PVC	DistMain	SS247	200	175.7	1990	80	32	48	\$ 103,500	\$ 3,000	\$ 106,500	\$ 1,340	\$ 2,220	\$ 275,523	\$ 3,472
1486	O'Neil Dr	PVC	DistMain	SS248	200	221.9	1990	80	32	48	\$ 130,800	\$ 6,000	\$ 136,800	\$ 1,710	\$ 2,850	\$ 353,911	\$ 4,460
1487	Delduca Dr	PVC	DistMain	SS253	200	285.0	1990	80	32	48	\$ 167,900	\$ 12,000	\$ 179,900	\$ 2,250	\$ 3,750	\$ 465,414	\$ 5,865
1488	Delduca Dr	PVC	DistMain	SS252	200	1.8	1990	80	32	48	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 30	\$ 2,846	\$ 36
1489	Delduca Dr	PVC	DistMain	SS252	150	179.1	1990	80	32	48	\$ 89,000	\$ -	\$ 89,000	\$ 1,120	\$ 1,860	\$ 230,249	\$ 2,902
1490	Delduca Dr	PVC	DistMain	SS249	200	124.0	1990	80	32	48	\$ 73,100	\$ 3,000	\$ 76,100	\$ 960	\$ 1,590	\$ 196,876	\$ 2,481
1491	Moynahan St	PVC	DistMain	SS245	200	241.1	1991	82	31	51	\$ 142,100	\$ 9,000	\$ 151,100	\$ 1,890	\$ 2,970	\$ 414,833	\$ 4,753
1492	Moynahan St	PVC	DistMain	SS244	200	143.9	1974	80	48	32	\$ 84,800	\$ -	\$ 84,800	\$ 1,060	\$ 2,650	\$ 159,809	\$ 3,613
1493	Hennin Dr	PVC	DistMain	SS243	200	376.6	1974	80	48	32	\$ 221,900	\$ 6,000	\$ 227,900	\$ 2,850	\$ 7,130	\$ 429,487	\$ 9,711
1497	Di Cocco Crt	PVC	DistMain	SS291	200	357.0	1996	80	26	54	\$ 210,300	\$ 59,800	\$ 270,100	\$ 3,380	\$ 5,010	\$ 786,926	\$ 8,225
1498	Mccord Ln	PVC	Trunk	SS290	300	298.3	1997	80	25	55	\$ 199,600	\$ 3,000	\$ 202,600	\$ 2,540	\$ 3,690	\$ 602,073	\$ 6,107
1501	Mccord Ln	PVC	Trunk	SS292	300	376.5	1997	80	25	55	\$ 251,900	\$ 3,000	\$ 254,900	\$ 3,190	\$ 4,640	\$ 757,494	\$ 7,684
1503	Highway 3	PVC	DistMain	SS296	150	254.9	1997	80	25	55	\$ 126,800	\$ 12,000	\$ 138,800	\$ 1,740	\$ 2,530	\$ 412,476	\$ 4,184
1505	N Talbot Rd	PVC	DistMain	SS239	250	261.7	1998	80	24	56	\$ 162,100	\$ 9,000	\$ 171,100	\$ 2,140	\$ 3,060	\$ 518,632	\$ 5,107
1506	N Talbot Rd	PVC	DistMain	SS242	250	339.1	1998	80	24	56	\$ 210,000	\$ 15,000	\$ 225,000	\$ 2,820	\$ 4,020	\$ 682,012	\$ 6,715
1510	N Talbot Rd	PVC	DistMain	SS246	250	77.1	1990	80	32	48	\$ 47,800	\$ -	\$ 47,800	\$ 600	\$ 1,000	\$ 123,662	\$ 1,558
1516	N Talbot Rd	PVC	DistMain	SS255	200	61.8	1990	80	32	48	\$ 36,500	\$ -	\$ 36,500	\$ 460	\$ 770	\$ 94,428	\$ 1,190
1517	N Talbot Rd	PVC	DistMain	SS257	200	0.7	1990	80	32	48	\$ 500	\$ -	\$ 500	\$ 10	\$ 20	\$ 1,294	\$ 16
1518	County Rd 46	DI	DistMain	SS209	200	774.5	1974	80	48	32	\$ 456,200	\$ 9,000	\$ 465,200	\$ 5,820	\$ 14,540	\$ 876,688	\$ 19,822
1519	County Rd 46	PVC	DistMain	SS203	200	300.0	1980	80	42	38	\$ 176,800	\$ -	\$ 176,800	\$ 2,210	\$ 4,660	\$ 375,222	\$ 6,687
1520	8th Con Rd	PVC	DistMain	SS256	200	390.3	1981	80	41	39	\$ 229,900	\$ -	\$ 229,900	\$ 2,880	\$ 5,900	\$ 497,675	\$ 8,546
1521	8th Con Rd	PVC	DistMain	SS256	200	300.4	1981	80	41	39	\$ 177,000	\$ -	\$ 177,000	\$ 2,220	\$ 4,540	\$ 383,160	\$ 6,579
1522	Ure St	PVC	DistMain	SS251	200	324.9	1990	60	32	28	\$ 191,400	\$ 6,000	\$ 197,400	\$ 2,470	\$ 7,050	\$ 343,678	\$ 9,276
1523	Ure St	PVC	DistMain	SS251	200	232.6	1990	80	32	48	\$ 137,000	\$ 6,000	\$ 143,000	\$ 1,790	\$ 2,980	\$ 369,951	\$ 4,662
1524	Manning Rd	PVC	DistMain	T_SC00	200	33.6	1989	80	33	47	\$ 19,900	\$ -	\$ 19,900	\$ 250	\$ 430	\$ 50,473	\$ 657
1527	McNorton St	PVC	Trunk	T198	300	105.0	2005	80	17	63	\$ 70,300	\$ -	\$ 70,300	\$ 880	\$ 1,120	\$ 244,774	\$ 1,973
1528	McNorton St	PVC	Trunk	T196	300	187.2	2005	80	17	63	\$ 125,300	\$ -	\$ 125,300	\$ 1,570	\$ 1,990	\$ 436,277	\$ 3,516
1529	Southfield Dr	PVC	DistMain	T273	200	79.2	1992	80	30	50	\$ 46,700	\$ 29,900	\$ 76,600	\$ 960	\$ 1,540	\$ 206,176	\$ 2,438
1530	Jamsyl Dr	PVC	DistMain	SS095	200	396.3	1995	80	27	53	\$ 233,500	\$ 3,000	\$ 236,500	\$ 2,960	\$ 4,470	\$ 675,523	\$ 7,278
1532	Candlewood Dr	PVC	DistMain	SS083	150	72.9	2006	80	16	64	\$ 36,300	\$ 18,000	\$ 54,300	\$ 680	\$ 850	\$ 192,846	\$ 1,512
1533	St Agnes Dr	PVC	DistMain	SS081	150	50.3	2006	80	16	64	\$ 25,000	\$ 3,000	\$ 28,000	\$ 350	\$ 440	\$ 99,442	\$ 779
1538	Candlewood Dr	PVC	DistMain	SS087	150	4.6	1990	80	32	48	\$ 2,300	\$ 3,000	\$ 5,300	\$ 70	\$ 120	\$ 13,711	\$ 173
1539	Vickery Lane	PVC	DistMain	SS084	150	46.4	2006	80	16	64	\$ 23,100	\$ 3,000	\$ 26,100	\$ 330	\$ 410	\$ 92,694	\$ 727
1540	Candlewood Dr	PVC	DistMain	SS082	150	132.3	2006	80	16	64	\$ 65,800	\$ 35,900	\$ 101,700	\$ 1,280	\$ 1,590	\$ 361,187	\$ 2,831
1545	Renaud St	PVC	DistMain	T289	50	71.7	2006	80	16	64	\$ 27,900	\$ 6,000	\$ 33,900	\$ 430	\$ 530	\$ 120,396	\$ 944
1553	Bedell St	PVC	DistMain	T306	150	1.7	2005	80	17	63	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,134	\$ 25
1554	Lesperance Rd	PVC	DistMain	T022	150	0.7	2005	80	17	63	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,393	\$ 11
1555	Lesperance Rd	PVC	DistMain	T022	150	0.5	2005	80	17	63	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 1,045	\$ 8
1557	Lesperance Rd	PVC	DistMain	T022	150	0.6	2005	80	17	63	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 1,045	\$ 8
1558	Lesperance Rd	PVC	Trunk	T022	300	5.9	2005	80	17	63	\$ 4,000	\$ -	\$ 4,000	\$ 50	\$ 70	\$ 13,927	\$ 112
1559	Lesperance Rd	PVC	Trunk	T022	300	0.9	2005	80	17	63	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,089	\$ 17
1560	Riverside Dr	PVC	Trunk	T007	300	0.9	2005	80	17	63	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,089	\$ 17
1562	Riverside Dr	PVC	Trunk	T006	300	0.9	2005	80	17	63	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,437	\$ 20
1563	Riverside Dr	PVC	DistMain	T006	200	9.2	2005	80	17	63	\$ 5,400	\$ 3,000	\$ 8,400	\$ 110	\$ 140	\$ 29,248	\$ 236

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Watermain Inventory

GIS Database											2021 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				
1564	Lesperance Rd	PVC	Trunk	T022	300	0.9	2005	80	17	63	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,437	\$ 20
1566	Lesperance Rd	PVC	DistMain	T022	250	4.6	2005	80	17	63	\$ 2,900	\$ -	\$ 2,900	\$ 40	\$ 50	\$ 10,097	\$ 81
1567	Lesperance Rd	PVC	DistMain	T022	250	0.9	2005	80	17	63	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,089	\$ 17
1568	Lesperance Rd	PVC	DistMain	T022	250	1.3	2005	80	17	63	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,134	\$ 25
1569	Lesperance Rd	PVC	Trunk	T056	300	18.0	2005	80	17	63	\$ 12,100	\$ -	\$ 12,100	\$ 160	\$ 200	\$ 42,130	\$ 340
1570	Lesperance Rd	PVC	Trunk	T056	300	0.4	2005	80	17	63	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 1,045	\$ 8
1571	Lesperance Rd	PVC	DistMain	T022	250	1.4	2005	80	17	63	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,134	\$ 25
1572	Lesperance Rd	PVC	Trunk	T056	300	13.2	2005	80	17	63	\$ 8,800	\$ -	\$ 8,800	\$ 110	\$ 140	\$ 30,640	\$ 247
1573	Lesperance Rd	PVC	Trunk	T056	300	117.2	2005	80	17	63	\$ 78,500	\$ 29,900	\$ 108,400	\$ 1,360	\$ 1,730	\$ 377,433	\$ 3,042
1576	Lesperance Rd	PVC	Trunk	T056	300	0.8	2005	80	17	63	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,089	\$ 17
1577	Lesperance Rd	PVC	Trunk	T109	300	0.6	2005	80	17	63	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,741	\$ 14
1579	Lesperance Rd	PVC	Trunk	T057	300	70.3	2005	80	17	63	\$ 47,100	\$ 9,000	\$ 56,100	\$ 710	\$ 900	\$ 195,332	\$ 1,574
1580	Cedarwood Dr	PVC	DistMain	T105	150	0.9	2005	80	17	63	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,741	\$ 14
1582	Cedarwood Dr	PVC	DistMain	T105	150	0.9	2005	80	17	63	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,741	\$ 14
1583	Cedarwood Dr	PVC	DistMain	T105	150	1.0	2005	80	17	63	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,741	\$ 14
1585	Cedarwood Dr	PVC	DistMain	T105	150	5.4	2005	80	17	63	\$ 2,700	\$ -	\$ 2,700	\$ 40	\$ 50	\$ 9,401	\$ 76
1587	Lesperance Rd	PVC	Trunk	T109	300	0.9	2005	80	17	63	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,437	\$ 20
1588	Lesperance Rd	PVC	Trunk	T109	300	0.9	2005	80	17	63	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,437	\$ 20
1592	Lesperance Rd	PVC	Trunk	T118	300	25.4	2005	80	17	63	\$ 17,100	\$ 6,000	\$ 23,100	\$ 290	\$ 370	\$ 80,431	\$ 648
1596	Valente Crt	DI	DistMain	T117	150	7.4	2005	80	17	63	\$ 3,700	\$ -	\$ 3,700	\$ 50	\$ 60	\$ 12,883	\$ 104
1598	Lesperance Rd	PVC	Trunk	T121	300	18.5	2005	80	17	63	\$ 12,400	\$ -	\$ 12,400	\$ 160	\$ 200	\$ 43,175	\$ 348
1599	Lesperance Rd	PVC	Trunk	T126	300	6.9	2005	60	17	43	\$ 4,700	\$ -	\$ 4,700	\$ 60	\$ 110	\$ 11,013	\$ 164
1600	Evergreen Dr	PVC	DistMain	T120	150	9.4	2005	80	17	63	\$ 4,700	\$ -	\$ 4,700	\$ 60	\$ 80	\$ 16,365	\$ 132
1606	Clapp St	PVC	Trunk	T127	300	0.9	2005	80	17	63	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,437	\$ 20
1611	Lesperance Rd	PVC	Trunk	T125	300	2.1	2005	80	17	63	\$ 1,500	\$ -	\$ 1,500	\$ 20	\$ 30	\$ 5,223	\$ 42
1614	Papineau Crt	PVC	DistMain	T124	150	6.6	2005	80	17	63	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 60	\$ 11,490	\$ 93
1615	Lesperance Rd	PVC	DistMain	T126	150	0.9	2005	80	17	63	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,741	\$ 14
1617	Lesperance Rd	PVC	Trunk	T125	300	14.0	2005	80	17	63	\$ 9,400	\$ -	\$ 9,400	\$ 120	\$ 150	\$ 32,729	\$ 264
1620	Lesperance Rd	PVC	Trunk	T123	300	5.4	2005	80	17	63	\$ 3,700	\$ -	\$ 3,700	\$ 50	\$ 60	\$ 12,883	\$ 104
1625	Lesperance Rd	PVC	Trunk	T123	300	0.9	2005	80	17	63	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,437	\$ 20
1626	Lesperance Rd	PVC	Trunk	T123	300	0.9	2005	80	17	63	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,437	\$ 20
1627	Gauthier Dr	PVC	DistMain	T122	250	0.9	2005	80	17	63	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,089	\$ 17
1632	Lesperance Rd	PVC	Trunk	T123	300	58.0	2005	80	17	63	\$ 38,900	\$ 3,000	\$ 41,900	\$ 530	\$ 670	\$ 145,890	\$ 1,176
1633	Lesperance Rd	PVC	Trunk	T149	300	61.9	2005	80	17	63	\$ 41,500	\$ 3,000	\$ 44,500	\$ 560	\$ 710	\$ 154,943	\$ 1,249
1634	Gauthier Dr	PVC	DistMain	T122	150	8.3	2005	80	17	63	\$ 4,200	\$ -	\$ 4,200	\$ 60	\$ 70	\$ 14,624	\$ 118
1637	Lesperance Rd	PVC	Trunk	T123	300	21.0	2005	80	17	63	\$ 14,100	\$ 3,000	\$ 17,100	\$ 220	\$ 280	\$ 59,540	\$ 480
1639	Lesperance Rd	PVC	Trunk	T149	300	1.2	2005	80	17	63	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,134	\$ 25
1640	St Thomas Cres	PVC	DistMain	T148	150	4.2	2005	80	17	63	\$ 2,200	\$ -	\$ 2,200	\$ 30	\$ 40	\$ 7,660	\$ 62
1641	St Thomas St	PVC	DistMain	T148	150	0.9	2005	80	17	63	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,741	\$ 14
1642	Lesperance Rd	PVC	Trunk	T187	300	0.9	2005	80	17	63	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,437	\$ 20
1643	Lesperance Rd	PVC	Trunk	T187	300	0.9	2005	80	17	63	\$ 700	\$ -	\$ 700	\$ 10	\$ 20	\$ 2,437	\$ 20
1645	Lesperance Rd	PVC	Trunk	T190	300	1.2	2005	80	17	63	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,134	\$ 25
1646	Lesperance Rd	PVC	Trunk	T190	300	1.2	2005	80	17	63	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,134	\$ 25
1649	Orchard Dr	PVC	DistMain	T186	150	0.9	2005	80	17	63	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,741	\$ 14
1660	Lesperance Rd	PVC	Trunk	T195	300	4.0	2005	80	17	63	\$ 2,700	\$ -	\$ 2,700	\$ 40	\$ 50	\$ 9,401	\$ 76
1662	McNorton St	PVC	Trunk	T194	300	0.8	2005	80	17	63	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,089	\$ 17
1663	McNorton St	PVC	DistMain	T194	150	1.8	2005	80	17	63	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,134	\$ 25
1667	McNorton St	PVC	Trunk	T194	300	0.8	2005	80	17	63	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,089	\$ 17
1669	McNorton St	PVC	DistMain	T194	250	0.7	2005	80	17	63	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 1,741	\$ 14
1670	McNorton St	PVC	DistMain	T194	250	1.4	2005	80	17	63	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,134	\$ 25
1672	Lesperance Rd	PVC	Trunk	T195	300	3.5	2005	80	17	63	\$ 2,400	\$ -	\$ 2,400	\$ 30	\$ 40	\$ 8,356	\$ 67

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Watermain Inventory

GIS Database											2021 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				
1676	Lesperance Rd	PVC	Trunk	T195	300	3.5	2005	80	17	63	\$ 2,400	\$ -	\$ 2,400	\$ 30	\$ 40	\$ 8,356	\$ 67
1679	McNorton St	PVC	Trunk	T194	300	4.1	2005	80	17	63	\$ 2,800	\$ -	\$ 2,800	\$ 40	\$ 50	\$ 9,749	\$ 79
1680	McNorton St	PVC	Trunk	T194	300	201.2	2005	80	17	63	\$ 134,600	\$ -	\$ 134,600	\$ 1,690	\$ 2,140	\$ 468,658	\$ 3,777
1682	McNorton St	PVC	Trunk	T194	300	1.3	2005	80	17	63	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,134	\$ 25
1685	St Pierre St	PVC	DistMain	T197	150	3.9	2005	80	17	63	\$ 2,000	\$ -	\$ 2,000	\$ 30	\$ 40	\$ 6,964	\$ 56
1690	McNorton St	PVC	Trunk	T194	300	50.2	2005	80	17	63	\$ 33,600	\$ -	\$ 33,600	\$ 420	\$ 540	\$ 116,990	\$ 943
1694	McNorton St	PVC	Trunk	T192	300	56.2	2005	80	17	63	\$ 37,700	\$ 3,000	\$ 40,700	\$ 510	\$ 650	\$ 141,712	\$ 1,142
1699	McNorton St	PVC	Trunk	T192	300	13.1	2005	80	17	63	\$ 8,800	\$ -	\$ 8,800	\$ 110	\$ 140	\$ 30,640	\$ 247
1708	William St	PVC	DistMain	T199	150	2.6	2005	80	17	63	\$ 1,300	\$ -	\$ 1,300	\$ 20	\$ 30	\$ 4,526	\$ 36
1711	William St	CI	DistMain	T199	150	4.9	2005	80	17	63	\$ 2,500	\$ -	\$ 2,500	\$ 40	\$ 40	\$ 8,705	\$ 70
1712	William St	PVC	DistMain	T199	150	3.0	2005	80	17	63	\$ 1,500	\$ -	\$ 1,500	\$ 20	\$ 30	\$ 5,223	\$ 42
1721	Arlington Blvd	PVC	DistMain	SC066	150	14.2	2004	60	18	42	\$ 7,100	\$ -	\$ 7,100	\$ 90	\$ 170	\$ 16,310	\$ 251
1724	Kensington Blvd	PVC	DistMain	SC055	150	6.4	2004	80	18	62	\$ 3,200	\$ -	\$ 3,200	\$ 40	\$ 60	\$ 10,923	\$ 91
1726	Kensington Blvd	PVC	DistMain	SC055	200	0.3	2004	80	18	62	\$ 200	\$ -	\$ 200	\$ 10	\$ 10	\$ 683	\$ 6
1730	12th Con Rd	PVC	DistMain	SS181	150	0.9	2003	80	19	61	\$ 500	\$ 3,000	\$ 3,500	\$ 50	\$ 60	\$ 11,713	\$ 100
1732	County Rd 42	PVC	DistMain	SS145	250	0.7	2003	80	19	61	\$ 500	\$ 3,000	\$ 3,500	\$ 50	\$ 60	\$ 11,713	\$ 100
1733	County Rd 42	PVC	DistMain	SS145	250	104.1	2003	80	19	61	\$ 64,500	\$ 9,000	\$ 73,500	\$ 920	\$ 1,210	\$ 245,979	\$ 2,096
1734	Cnty Rd 22	PVC	TransMair	T_SS00	600	215.2	2005	80	17	63	\$ 339,100	\$ -	\$ 339,100	\$ 4,240	\$ 5,390	\$ 1,180,697	\$ 9,515
1735	Southfield Dr	PVC	DistMain	T270	200	12.6	2005	80	17	63	\$ 7,500	\$ 3,000	\$ 10,500	\$ 140	\$ 170	\$ 36,559	\$ 295
1736	Cnty Rd 22	PVC	TransMair	T_SS00	600	295.3	2005	80	17	63	\$ 465,500	\$ -	\$ 465,500	\$ 5,820	\$ 7,390	\$ 1,620,804	\$ 13,061
1738	Shawnee Rd	PVC	DistMain	T283	150	5.5	2005	80	17	63	\$ 2,800	\$ -	\$ 2,800	\$ 40	\$ 50	\$ 9,749	\$ 79
1739	Lesperance Rd	PVC	DistMain	T299	150	21.9	2005	80	17	63	\$ 10,900	\$ -	\$ 10,900	\$ 140	\$ 180	\$ 37,952	\$ 306
1743	Cnty Rd 22	PVC	DistMain	T_SS00	400	7.3	2005	80	17	63	\$ 7,400	\$ -	\$ 7,400	\$ 100	\$ 120	\$ 25,766	\$ 208
1744	Cnty Rd 22	PVC	TransMair	T_SS00	400	260.1	2005	80	17	63	\$ 264,000	\$ -	\$ 264,000	\$ 3,300	\$ 4,200	\$ 919,210	\$ 7,407
1745	Lesperance Rd	CI	DistMain	SS048	150	5.9	1960	80	62	18	\$ 3,000	\$ -	\$ 3,000	\$ 40	\$ 170	\$ 4,285	\$ 200
1746	Lesperance Rd	CI	DistMain	SS048	150	4.4	1960	80	62	18	\$ 2,200	\$ -	\$ 2,200	\$ 30	\$ 130	\$ 3,142	\$ 147
1747	Manning Rd	PVC	Trunk	T_SC00	400	144.7	2005	80	17	63	\$ 147,000	\$ -	\$ 147,000	\$ 1,840	\$ 2,340	\$ 511,833	\$ 4,125
1748	Lanoue St	PVC	DistMain	T332	250	13.7	2005	60	17	43	\$ 8,600	\$ -	\$ 8,600	\$ 110	\$ 200	\$ 20,151	\$ 300
1749	Cnty Rd 22	PVC	TransMair	T_SS00	600	17.3	2005	60	17	43	\$ 27,300	\$ -	\$ 27,300	\$ 350	\$ 640	\$ 63,969	\$ 952
1750	Cnty Rd 22	PVC	TransMair	T_SS00	600	103.0	2005	80	17	63	\$ 162,400	\$ 3,000	\$ 165,400	\$ 2,070	\$ 2,630	\$ 575,899	\$ 4,641
1752	Mulberry Dr	PVC	TransMair	T_SS00	300	1.8	2005	80	17	63	\$ 1,300	\$ -	\$ 1,300	\$ 20	\$ 30	\$ 4,526	\$ 36
1753	St Jacques St	PVC	DistMain	T210	150	262.8	2006	80	16	64	\$ 130,700	\$ 68,800	\$ 199,500	\$ 2,500	\$ 3,120	\$ 708,523	\$ 5,554
1756	Laramie St	PVC	DistMain	T208	150	5.0	2006	80	16	64	\$ 2,500	\$ -	\$ 2,500	\$ 40	\$ 40	\$ 8,879	\$ 70
1757	Laramie St	PE	DistMain	T208	50	7.7	2006	80	16	64	\$ 3,100	\$ -	\$ 3,100	\$ 40	\$ 50	\$ 11,010	\$ 86
1764	St Alphonse St	PVC	DistMain	SS128	150	22.3	2003	80	19	61	\$ 11,100	\$ 3,000	\$ 14,100	\$ 180	\$ 240	\$ 47,188	\$ 402
1769	St Alphonse St	PVC	DistMain	SS131	150	262.1	2003	80	19	61	\$ 130,300	\$ 50,800	\$ 181,100	\$ 2,270	\$ 2,970	\$ 606,079	\$ 5,165
1771	Highway 3	PVC	Trunk	SS311	300	354.5	1997	80	25	55	\$ 237,200	\$ 12,000	\$ 249,200	\$ 3,120	\$ 4,540	\$ 740,555	\$ 7,512
1772	Highway 3	PVC	Trunk	SS307	300	675.0	1997	80	25	55	\$ 451,600	\$ 15,000	\$ 466,600	\$ 5,840	\$ 8,490	\$ 1,386,610	\$ 14,065
1773	Sexton Sd Rd	PVC	Trunk	SS336	300	5.5	1997	80	25	55	\$ 3,700	\$ -	\$ 3,700	\$ 50	\$ 70	\$ 10,995	\$ 112
1774	Sexton Sd Rd	PVC	Trunk	SS308	300	44.9	1997	80	25	55	\$ 30,100	\$ 3,000	\$ 33,100	\$ 420	\$ 610	\$ 98,364	\$ 998
1775	Sexton Sd Rd	PVC	DistMain	SS308	250	640.5	1998	80	24	56	\$ 396,500	\$ 9,000	\$ 405,500	\$ 5,070	\$ 7,250	\$ 1,229,138	\$ 12,103
1778	Malden Rd	DI	DistMain	SS318	200	349.1	1975	80	47	33	\$ 205,700	\$ 26,900	\$ 232,600	\$ 2,910	\$ 7,050	\$ 447,111	\$ 9,696
1779	County Rd 34	DI	DistMain	SS322	200	644.3	1974	80	48	32	\$ 379,500	\$ 50,800	\$ 430,300	\$ 5,380	\$ 13,450	\$ 810,918	\$ 18,335
1780	Malden Rd	PVC	DistMain	SS342	200	412.0	1991	80	31	49	\$ 242,700	\$ 9,000	\$ 251,700	\$ 3,150	\$ 5,140	\$ 664,189	\$ 8,106
1781	South Talbot Rd	PVC	DistMain	SS340	200	1,418.1	1990	80	32	48	\$ 835,300	\$ 15,000	\$ 850,300	\$ 10,630	\$ 17,720	\$ 2,199,786	\$ 27,721
1782	South Talbot	PVC	DistMain	SS349	150	1,877.0	2000	80	22	58	\$ 932,900	\$ -	\$ 932,900	\$ 11,670	\$ 16,090	\$ 2,942,016	\$ 27,322
1783	South Talbot	PVC	DistMain	SS349	150	400.3	2000	80	22	58	\$ 199,000	\$ -	\$ 199,000	\$ 2,490	\$ 3,440	\$ 627,571	\$ 5,828
1784	Manning Rd	PVC	DistMain	SS350	100	586.3	2000	80	22	58	\$ 255,700	\$ -	\$ 255,700	\$ 3,200	\$ 4,410	\$ 806,382	\$ 7,489
1785	Manning Rd	PVC	DistMain	SS379	150	185.9	2000	80	22	58	\$ 92,500	\$ 3,000	\$ 95,500	\$ 1,200	\$ 1,650	\$ 301,171	\$ 2,797
1786	Malden Rd	PVC	DistMain	SS371	150	220.5	1997	80	25	55	\$ 109,700	\$ 12,000	\$ 121,700	\$ 1,530	\$ 2,220	\$ 361,660	\$ 3,668
1787	Snake Ln	PVC	DistMain	SS366	150	1,100.0	2001	80	21	59	\$ 546,800	\$ 12,000	\$ 558,800	\$ 6,990	\$ 9,480	\$ 1,797,490	\$ 16,218

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
1788	9th Con Rd	PVC	DistMain	SS365	150	307.9	2001	60	21	39	\$ 153,100	\$ 12,000	\$ 165,100	\$ 2,070	\$ 4,240	\$ 357,399	\$ 6,137
1789	9th Con Rd	PVC	DistMain	SS367	150	340.8	2001	60	21	39	\$ 169,400	\$ 9,000	\$ 178,400	\$ 2,230	\$ 4,580	\$ 386,190	\$ 6,631
1790	Bellaire Rd	PVC	DistMain	SS319	150	173.1	1991	80	31	49	\$ 86,100	\$ 18,000	\$ 104,100	\$ 1,310	\$ 2,130	\$ 274,700	\$ 3,352
1791	Malden Rd	DI	DistMain	SS320	200	438.4	1975	80	47	33	\$ 258,300	\$ 15,000	\$ 273,300	\$ 3,420	\$ 8,290	\$ 525,346	\$ 11,393
1800	South Talbot Rd	PVC	DistMain	SS338	200	463.7	1998	80	24	56	\$ 273,100	\$ 3,000	\$ 276,100	\$ 3,460	\$ 4,940	\$ 836,905	\$ 8,241
1801	Sexton Sd Rd	PVC	DistMain	SS336	250	568.8	1998	80	24	56	\$ 352,200	\$ 3,000	\$ 355,200	\$ 4,440	\$ 6,350	\$ 1,076,670	\$ 10,601
1802	8th Con Rd	PVC	DistMain	SS363	200	654.7	1990	80	32	48	\$ 385,700	\$ 9,000	\$ 394,700	\$ 4,940	\$ 8,230	\$ 1,021,117	\$ 12,868
1803	Sexton Sd Rd	PVC	DistMain	SS336	200	17.3	1998	80	24	56	\$ 10,200	\$ -	\$ 10,200	\$ 130	\$ 190	\$ 30,918	\$ 304
1804	South Talbot Rd	PVC	DistMain	SS333	200	438.0	1998	80	24	56	\$ 258,000	\$ 6,000	\$ 264,000	\$ 3,300	\$ 4,720	\$ 800,228	\$ 7,879
1805	Walker Rd	PVC	DistMain	SS331	200	446.2	1988	60	34	26	\$ 262,900	\$ 18,000	\$ 280,900	\$ 3,520	\$ 10,810	\$ 470,063	\$ 13,961
1806	Walker Rd	PVC	DistMain	SS359	200	524.4	1998	60	24	36	\$ 308,900	\$ 12,000	\$ 320,900	\$ 4,020	\$ 8,920	\$ 654,600	\$ 12,590
1807	South Talbot Rd	PVC	DistMain	SS329	200	600.0	1998	60	24	36	\$ 353,500	\$ 6,000	\$ 359,500	\$ 4,500	\$ 9,990	\$ 733,340	\$ 14,104
1811	Holden Rd	PVC	DistMain	SS357	200	600.0	1998	80	24	56	\$ 353,400	\$ 3,000	\$ 356,400	\$ 4,460	\$ 6,370	\$ 1,080,307	\$ 10,637
1813	Outer Dr	PVC	DistMain	SS328	200	163.2	1990	80	32	48	\$ 96,200	\$ 6,000	\$ 102,200	\$ 1,280	\$ 2,130	\$ 264,399	\$ 3,332
1837	South Talbot Rd	PVC	DistMain	SS329	200	600.0	1998	80	24	56	\$ 353,400	\$ 9,000	\$ 362,400	\$ 4,530	\$ 6,480	\$ 1,098,494	\$ 10,816
1838	Highway 3	PVC	Trunk	SS299	300	117.2	1997	60	25	35	\$ 78,500	\$ 3,000	\$ 81,500	\$ 1,020	\$ 2,330	\$ 162,991	\$ 3,260
1839	South Talbot Rd	PVC	DistMain	SS335	200	570.9	1998	60	24	36	\$ 336,300	\$ 6,000	\$ 342,300	\$ 4,280	\$ 9,510	\$ 698,253	\$ 13,429
1841	Sexton Sd Rd	PVC	DistMain	SS336	200	17.8	1998	60	24	36	\$ 10,500	\$ -	\$ 10,500	\$ 140	\$ 300	\$ 21,419	\$ 412
1842	South Talbot Rd	PVC	DistMain	SS337	200	49.7	1998	80	24	56	\$ 29,300	\$ -	\$ 29,300	\$ 370	\$ 530	\$ 88,813	\$ 875
1843	8th Con Rd	PVC	DistMain	SS204	200	363.9	1990	60	32	28	\$ 214,400	\$ 9,000	\$ 223,400	\$ 2,800	\$ 7,980	\$ 388,945	\$ 10,497
1844	County Rd 46	PVC	DistMain	SS205	200	600.8	1980	80	42	38	\$ 353,900	\$ 6,000	\$ 359,900	\$ 4,500	\$ 9,480	\$ 763,815	\$ 13,612
1845	County Rd 46	DI	DistMain	SS207	200	414.8	1974	60	48	12	\$ 244,400	\$ 6,000	\$ 250,400	\$ 3,130	\$ 20,870	\$ 317,568	\$ 23,678
1846	9th Con Rd	PVC	DistMain	SS258	200	57.2	1991	60	31	29	\$ 33,700	\$ -	\$ 33,700	\$ 430	\$ 1,170	\$ 59,846	\$ 1,543
1847	N Talbot Rd	PVC	DistMain	SS257	200	877.0	1991	60	31	29	\$ 516,600	\$ 53,800	\$ 570,400	\$ 7,130	\$ 19,670	\$ 1,012,942	\$ 26,112
1848	9th Con Rd	PVC	DistMain	SS225	200	107.8	1991	80	31	49	\$ 63,600	\$ -	\$ 63,600	\$ 800	\$ 1,300	\$ 167,828	\$ 2,048
1849	8th Con Rd	PVC	DistMain	SS204	150	234.4	1985	60	37	23	\$ 116,500	\$ 12,000	\$ 128,500	\$ 1,610	\$ 5,590	\$ 202,632	\$ 7,025
1851	Webster Dr	PVC	DistMain	SS202	200	155.0	1981	61	41	20	\$ 91,300	\$ -	\$ 91,300	\$ 1,150	\$ 4,570	\$ 135,667	\$ 5,584
1852	Webster Dr	PVC	DistMain	SS202	200	102.4	1990	80	32	48	\$ 60,400	\$ -	\$ 60,400	\$ 760	\$ 1,260	\$ 156,259	\$ 1,969
1861	Malden Rd	PVC	DistMain	SS344	200	211.1	1991	80	31	49	\$ 124,400	\$ 6,000	\$ 130,400	\$ 1,630	\$ 2,670	\$ 344,101	\$ 4,199
1862	Malden Rd	PVC	DistMain	SS371	150	924.9	1997	80	25	55	\$ 459,700	\$ 23,900	\$ 483,600	\$ 6,050	\$ 8,800	\$ 1,437,129	\$ 14,577
1863	Malden Rd	PVC	DistMain	SS371	200	360.0	1991	80	31	49	\$ 212,100	\$ 12,000	\$ 224,100	\$ 2,810	\$ 4,580	\$ 591,358	\$ 7,217
1871	County Rd 34	PVC	DistMain	SS317	200	11.6	1997	80	25	55	\$ 6,900	\$ -	\$ 6,900	\$ 90	\$ 130	\$ 20,505	\$ 208
1872	Malden Rd	PVC	DistMain	SS346	200	123.4	1991	80	31	49	\$ 72,800	\$ -	\$ 72,800	\$ 910	\$ 1,490	\$ 192,105	\$ 2,344
1873	8th Con Rd	PVC	DistMain	SS204	200	195.9	1985	80	37	43	\$ 115,400	\$ -	\$ 115,400	\$ 1,450	\$ 2,690	\$ 270,404	\$ 4,026
1875	Walker Rd	PVC	DistMain	SS331	200	261.8	1988	80	34	46	\$ 154,200	\$ 18,000	\$ 172,200	\$ 2,160	\$ 3,750	\$ 428,194	\$ 5,761
1882	Walker Rd	PVC	Trunk	SS285	300	100.9	1997	60	25	35	\$ 67,600	\$ 6,000	\$ 73,600	\$ 920	\$ 2,110	\$ 147,192	\$ 2,944
1883	Blackacre Dr	PVC	DistMain	SS270	200	6.2	1997	80	25	55	\$ 3,700	\$ -	\$ 3,700	\$ 50	\$ 70	\$ 10,995	\$ 112
1885	County Rd 34	PVC	Trunk	SS315	300	769.5	1997	80	25	55	\$ 514,800	\$ 29,900	\$ 544,700	\$ 6,810	\$ 9,910	\$ 1,618,702	\$ 16,419
1886	Service Rd	PVC	Trunk	SS312	300	389.0	1997	80	25	55	\$ 260,300	\$ 18,000	\$ 278,300	\$ 3,480	\$ 5,060	\$ 827,033	\$ 8,389
1888	County Rd 34	PVC	Trunk	SS382	300	204.8	1997	80	25	55	\$ 137,100	\$ 6,000	\$ 143,100	\$ 1,790	\$ 2,610	\$ 425,255	\$ 4,314
1890	County Rd 34	PVC	Trunk	SS317	300	280.7	1997	80	25	55	\$ 187,900	\$ 47,800	\$ 235,700	\$ 2,950	\$ 4,290	\$ 700,437	\$ 7,105
1891	N Talbot Rd	PVC	Trunk	SS231	300	202.7	1997	60	25	35	\$ 135,600	\$ -	\$ 135,600	\$ 1,700	\$ 3,880	\$ 271,185	\$ 5,424
1892	Highway 3	DI	DistMain	SS267	200	365.6	1974	60	48	12	\$ 215,400	\$ 35,900	\$ 251,300	\$ 3,150	\$ 20,950	\$ 318,709	\$ 23,763
1893	Howard Ave	PVC	DistMain	SS326	200	25.8	1998	60	24	36	\$ 15,200	\$ -	\$ 15,200	\$ 190	\$ 430	\$ 31,006	\$ 596
1895	South Talbot Rd	PVC	DistMain	SS339	200	966.4	1990	80	32	48	\$ 569,300	\$ 6,000	\$ 575,300	\$ 7,200	\$ 11,990	\$ 1,488,342	\$ 18,756
1896	South Talbot Rd	PVC	DistMain	SS341	200	842.9	1990	80	32	48	\$ 496,500	\$ 12,000	\$ 508,500	\$ 6,360	\$ 10,600	\$ 1,315,525	\$ 16,578
1897	9th Con Rd	PVC	DistMain	SS367	150	19.8	1990	80	32	48	\$ 9,900	\$ -	\$ 9,900	\$ 130	\$ 210	\$ 25,612	\$ 323
1898	Tecumseh Rd	PVC	DistMain	SC067	250	10.0	2005	80	17	63	\$ 6,300	\$ -	\$ 6,300	\$ 80	\$ 100	\$ 21,936	\$ 177
1899	Manning Rd	PVC	DistMain	T_SC00	250	4.4	2004	80	18	62	\$ 2,800	\$ -	\$ 2,800	\$ 40	\$ 50	\$ 9,558	\$ 79
1901	Tecumseh Rd	PVC	DistMain	SC067	200	4.5	2006	80	16	64	\$ 2,700	\$ -	\$ 2,700	\$ 40	\$ 50	\$ 9,589	\$ 75
1902	Green Valley Dr	PVC	DistMain	T254	250	2.5	2006	80	16	64	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 30	\$ 5,682	\$ 45

**Appendix G-2
Watermain Inventory**

GIS Database											2021 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				
1903	10th Con Rd	PVC	DistMain	SS369	150	2,622.5	2005	80	17	63	\$ 1,303,400	\$ 41,900	\$ 1,345,300	\$ 16,820	\$ 21,360	\$ 4,684,141	\$ 527
1906	Lacasse Blvd	PVC	DistMain	T252	150	17.3	2006	60	16	44	\$ 8,600	\$ -	\$ 8,600	\$ 110	\$ 200	\$ 20,554	\$ 296
1907	Tecumseh Rd	PVC	DistMain	T251	150	67.0	2006	80	16	64	\$ 33,300	\$ -	\$ 33,300	\$ 420	\$ 530	\$ 118,265	\$ 927
1910	Riverside Dr	PVC	DistMain	T015	200	3.6	2007	80	15	65	\$ 2,200	\$ -	\$ 2,200	\$ 30	\$ 40	\$ 7,970	\$ 61
1911	Riverside Dr	PVC	DistMain	T015	250	1.8	2007	80	15	65	\$ 1,100	\$ 3,000	\$ 4,100	\$ 60	\$ 70	\$ 14,852	\$ 113
1912	Riverside Dr	PVC	DistMain	T_SC00	250	31.2	2007	80	15	65	\$ 19,400	\$ -	\$ 19,400	\$ 250	\$ 300	\$ 70,277	\$ 536
1914	Riverside Dr	PVC	DistMain	SC001	250	247.7	2007	80	15	65	\$ 153,400	\$ 9,000	\$ 162,400	\$ 2,030	\$ 2,500	\$ 588,298	\$ 4,487
1915	Riverside Dr	PVC	DistMain	SC003	250	257.9	2007	80	15	65	\$ 159,700	\$ 56,800	\$ 216,500	\$ 2,710	\$ 3,340	\$ 784,276	\$ 5,981
1916	Grant Ave	PVC	DistMain	SC033	250	18.1	2007	80	15	0	\$ 11,200	\$ -	\$ 11,200	\$ 140	\$ 140	\$ 54,605	\$ 282
1917	Riverside Dr	PVC	DistMain	SC004	250	129.5	2007	80	15	65	\$ 80,200	\$ 32,900	\$ 113,100	\$ 1,420	\$ 1,740	\$ 409,707	\$ 3,125
1918	Edgewater Blvd	PVC	DistMain	SC039	200	14.5	2007	80	15	65	\$ 8,600	\$ -	\$ 8,600	\$ 110	\$ 140	\$ 31,154	\$ 238
1919	Riverside Dr	PVC	DistMain	SC005	250	169.2	2007	80	15	65	\$ 104,800	\$ 44,900	\$ 149,700	\$ 1,880	\$ 2,310	\$ 542,292	\$ 4,136
1920	St Marks Rd	PVC	DistMain	SC052	200	30.9	2007	80	15	65	\$ 18,200	\$ -	\$ 18,200	\$ 230	\$ 280	\$ 65,930	\$ 503
1922	Riverside Dr	PVC	DistMain	SC006	250	122.4	2007	80	15	65	\$ 75,800	\$ 26,900	\$ 102,700	\$ 1,290	\$ 1,580	\$ 372,033	\$ 2,837
1923	Christy Lane	PVC	DistMain	SC002	150	9.2	2007	80	15	65	\$ 4,600	\$ -	\$ 4,600	\$ 60	\$ 80	\$ 16,664	\$ 127
1924	Manning Rd	PVC	Trunk	T_SC00	400	244.8	2005	80	17	63	\$ 248,500	\$ -	\$ 248,500	\$ 3,110	\$ 3,950	\$ 865,241	\$ 6,973
1951	Willow Crt	CI	DistMain	SC044	100	3.3	1956	80	66	14	\$ 1,500	\$ -	\$ 1,500	\$ 20	\$ 110	\$ 1,979	\$ 124
1960	County Rd 8	PVC	DistMain	SS370	150	95.7	2005	60	17	43	\$ 47,600	\$ -	\$ 47,600	\$ 600	\$ 1,110	\$ 111,536	\$ 1,661
1963	Malden Rd	PVC	DistMain	SS371	150	388.2	2005	60	17	43	\$ 193,000	\$ 3,000	\$ 196,000	\$ 2,450	\$ 4,560	\$ 459,265	\$ 6,838
1964	Malden Rd	PVC	DistMain	SS371	150	337.7	2005	60	17	43	\$ 167,900	\$ 3,000	\$ 170,900	\$ 2,140	\$ 3,980	\$ 400,451	\$ 5,963
1970	Trafalgar Crt	PVC	DistMain	SS303	200	145.3	1997	80	25	55	\$ 85,600	\$ 9,000	\$ 94,600	\$ 1,190	\$ 1,720	\$ 281,126	\$ 2,852
1972	Burke Dr	PVC	DistMain	SS278	200	42.4	1994	80	28	52	\$ 25,000	\$ -	\$ 25,000	\$ 320	\$ 490	\$ 70,008	\$ 778
1975	N Talbot Rd	PVC	Trunk	SS233	300	45.6	1994	60	28	32	\$ 30,600	\$ 3,000	\$ 33,600	\$ 420	\$ 1,050	\$ 63,321	\$ 1,432
1976	Sexton Sd Rd	PVC	DistMain	SS308	250	500.2	1998	80	24	56	\$ 309,700	\$ -	\$ 309,700	\$ 3,880	\$ 5,540	\$ 938,752	\$ 9,243
1977	South Talbot Rd	PVC	DistMain	SS329	200	270.0	1998	80	24	56	\$ 159,100	\$ 9,000	\$ 168,100	\$ 2,110	\$ 3,010	\$ 509,539	\$ 5,017
1978	South Talbot Rd	PVC	DistMain	SS329	200	291.8	1998	80	24	56	\$ 171,900	\$ 3,000	\$ 174,900	\$ 2,190	\$ 3,130	\$ 530,151	\$ 5,220
1979	County Rd 46	DI	DistMain	SS203	200	99.9	1974	80	48	32	\$ 58,900	\$ -	\$ 58,900	\$ 740	\$ 1,850	\$ 110,999	\$ 2,510
1980	County Rd 46	PVC	DistMain	SS203	200	150.5	1980	80	42	38	\$ 88,700	\$ 9,000	\$ 97,700	\$ 1,230	\$ 2,580	\$ 207,349	\$ 3,695
1981	County Rd 46	PVC	DistMain	SS205	200	263.2	1980	80	42	38	\$ 155,100	\$ 3,000	\$ 158,100	\$ 1,980	\$ 4,170	\$ 335,535	\$ 5,979
1982	County Rd 46	PVC	DistMain	SS205	200	575.0	1980	60	42	18	\$ 338,700	\$ 21,000	\$ 359,700	\$ 4,500	\$ 19,990	\$ 513,740	\$ 23,993
1983	County Rd 46	PVC	DistMain	SS205	200	165.1	1980	80	42	38	\$ 97,300	\$ -	\$ 97,300	\$ 1,220	\$ 2,570	\$ 206,500	\$ 3,680
1984	County Rd 46	DI	DistMain	SS207	200	300.1	1980	80	42	38	\$ 176,800	\$ -	\$ 176,800	\$ 2,210	\$ 4,660	\$ 375,222	\$ 6,687
1987	Manning Rd	PVC	Trunk	T_SC00	400	60.0	2005	80	17	63	\$ 60,900	\$ -	\$ 60,900	\$ 770	\$ 970	\$ 212,045	\$ 1,709
1988	Manning Rd	PVC	Trunk	T_SC00	400	160.0	2005	60	17	43	\$ 162,400	\$ -	\$ 162,400	\$ 2,030	\$ 3,780	\$ 380,534	\$ 5,666
1989	Cnty Rd 22	PVC	TransMair	T_SS00	400	325.0	2005	80	17	63	\$ 329,900	\$ -	\$ 329,900	\$ 4,130	\$ 5,240	\$ 1,148,664	\$ 9,256
1990	Cnty Rd 22	PVC	TransMair	T_SS00	400	247.6	2005	80	17	63	\$ 251,300	\$ -	\$ 251,300	\$ 3,150	\$ 3,990	\$ 874,990	\$ 7,051
1991	Cnty Rd 22	PVC	TransMair	T_SS00	600	69.9	2005	80	17	63	\$ 110,200	\$ -	\$ 110,200	\$ 1,380	\$ 1,750	\$ 383,701	\$ 3,092
1992	Cnty Rd 22	PVC	TransMair	T_SS00	600	285.0	2005	80	17	63	\$ 449,200	\$ -	\$ 449,200	\$ 5,620	\$ 7,140	\$ 1,564,050	\$ 12,604
1993	Cnty Rd 22	PVC	TransMair	T_SS00	600	219.1	2005	80	17	63	\$ 345,300	\$ -	\$ 345,300	\$ 4,320	\$ 5,490	\$ 1,202,285	\$ 9,689
1994	Cnty Rd 22	PVC	TransMair	T_SS00	600	25.0	2005	80	17	63	\$ 39,500	\$ -	\$ 39,500	\$ 500	\$ 630	\$ 137,533	\$ 1,108
1995	Cnty Rd 22	PVC	TransMair	T_SS00	600	101.3	2005	80	17	63	\$ 159,700	\$ -	\$ 159,700	\$ 2,000	\$ 2,540	\$ 556,052	\$ 4,481
1997	St Denis St	PVC	DistMain	T217	200	11.4	2008	80	14	66	\$ 6,700	\$ -	\$ 6,700	\$ 90	\$ 110	\$ 24,756	\$ 184
2001	County Rd 42	PVC	DistMain	SS114	200	203.9	1978	80	44	36	\$ 120,100	\$ 9,000	\$ 129,100	\$ 1,620	\$ 3,590	\$ 263,349	\$ 5,065
2002	Walker Rd	PVC	Trunk	SS238	300	2.7	2003	80	19	61	\$ 1,800	\$ -	\$ 1,800	\$ 30	\$ 30	\$ 6,024	\$ 51
2004	Walker Rd	PVC	Bypass	SS238	300	13.7	2003	80	19	61	\$ 9,200	\$ -	\$ 9,200	\$ 120	\$ 160	\$ 30,789	\$ 262
2008	Walker Rd	PVC	Trunk	SS238	300	195.0	2003	80	19	61	\$ 130,500	\$ 18,000	\$ 148,500	\$ 1,860	\$ 2,440	\$ 496,978	\$ 4,236
2009	Walker Rd	PVC	Trunk	SS238	300	86.7	2003	80	19	61	\$ 58,000	\$ 15,000	\$ 73,000	\$ 920	\$ 1,200	\$ 244,306	\$ 2,082
2010	Walker Rd	PVC	Trunk	SS238	200	7.6	2003	80	19	61	\$ 4,500	\$ -	\$ 4,500	\$ 60	\$ 80	\$ 15,060	\$ 128
2012	Malden Rd	PVC	DistMain	SS371	150	275.0	1997	80	25	55	\$ 136,700	\$ 6,000	\$ 142,700	\$ 1,790	\$ 2,600	\$ 424,066	\$ 4,301
2013	Malden Rd	PVC	DistMain	SS371	200	54.7	1991	80	31	49	\$ 32,300	\$ 3,000	\$ 35,300	\$ 450	\$ 730	\$ 93,150	\$ 1,137
2014	Malden Rd	PVC	DistMain	SS342	200	187.5	1991	80	31	49	\$ 110,500	\$ 6,000	\$ 116,500	\$ 1,460	\$ 2,380	\$ 307,422	\$ 3,752

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
2015	Malden Rd	PVC	DistMain	SS342	200	266.8	1991	80	31	49	\$ 157,200	\$ 9,000	\$ 166,200	\$ 2,080	\$ 3,400	\$ 438,571	\$ 5,352
2016	Malden Rd	PVC	DistMain	SS344	200	175.0	1991	80	31	49	\$ 103,100	\$ 3,000	\$ 106,100	\$ 1,330	\$ 2,170	\$ 279,978	\$ 3,417
2018	Beach Grove Rd	PVC	DistMain	SC119	150	25.7	2008	80	14	66	\$ 12,800	\$ -	\$ 12,800	\$ 160	\$ 200	\$ 47,296	\$ 351
2019	Arbour St	PVC	DistMain	T308	150	9.3	2007	80	15	65	\$ 4,700	\$ -	\$ 4,700	\$ 60	\$ 80	\$ 17,026	\$ 130
2020	Tecumseh Rd	PVC	Trunk	T260	400	150.2	2005	80	17	63	\$ 152,500	\$ 21,000	\$ 173,500	\$ 2,170	\$ 2,760	\$ 604,102	\$ 4,868
2021	Tecumseh Rd	PVC	Trunk	T260	400	45.0	2005	80	17	63	\$ 45,700	\$ 9,000	\$ 54,700	\$ 690	\$ 870	\$ 190,458	\$ 1,535
2022	Tecumseh Rd	PVC	Trunk	T253	400	70.0	2005	80	17	63	\$ 71,100	\$ 6,000	\$ 77,100	\$ 970	\$ 1,230	\$ 268,451	\$ 2,163
2024	Tecumseh Rd	PVC	DistMain	T251	150	15.4	1992	80	30	50	\$ 7,700	\$ -	\$ 7,700	\$ 100	\$ 160	\$ 20,725	\$ 245
2025	Tecumseh Rd	PVC	DistMain	T251	150	35.0	2006	80	16	64	\$ 17,400	\$ -	\$ 17,400	\$ 220	\$ 280	\$ 61,796	\$ 484
2026	County Rd 34	PVC	DistMain	SS322	200	50.4	1991	60	31	29	\$ 29,800	\$ -	\$ 29,800	\$ 380	\$ 1,030	\$ 52,920	\$ 1,364
2027	County Rd 34	DI	DistMain	SS322	200	445.0	1975	60	47	13	\$ 262,200	\$ 50,800	\$ 313,000	\$ 3,920	\$ 24,080	\$ 404,899	\$ 27,581
2028	Malden Rd	PVC	DistMain	SS318	200	52.1	1991	80	31	49	\$ 30,800	\$ -	\$ 30,800	\$ 390	\$ 630	\$ 81,275	\$ 992
2029	12th Con Rd	PVC	DistMain	SS168	100	465.5	1990	80	32	48	\$ 203,000	\$ 3,000	\$ 206,000	\$ 2,580	\$ 4,300	\$ 532,936	\$ 6,716
2030	Walker Rd	PVC	DistMain	SS238	150	30.0	2003	80	19	61	\$ 15,000	\$ 15,000	\$ 30,000	\$ 380	\$ 500	\$ 100,400	\$ 856
2034	Walker Rd	PVC	Trunk	SS238	300	138.0	2003	60	19	41	\$ 92,400	\$ 6,000	\$ 98,400	\$ 1,230	\$ 2,400	\$ 221,617	\$ 3,540
2035	Labute St	CI	DistMain	T155	150	123.3	1971	80	51	29	\$ 61,300	\$ 41,900	\$ 103,200	\$ 1,290	\$ 3,560	\$ 183,267	\$ 4,724
2036	N Talbot Rd	PVC	Trunk	SS234	300	75.0	1994	80	28	52	\$ 50,200	\$ 9,000	\$ 59,200	\$ 740	\$ 1,140	\$ 165,779	\$ 1,842
2037	Pulleyblank Dr	PVC	DistMain	SS281	200	48.0	1994	80	28	52	\$ 28,300	\$ -	\$ 28,300	\$ 360	\$ 550	\$ 79,249	\$ 880
2038	Manning Rd	PVC	Trunk	T_SC00	400	32.0	2005	60	17	43	\$ 32,500	\$ -	\$ 32,500	\$ 410	\$ 760	\$ 76,154	\$ 1,134
2039	Tecumseh Rd	CI	DistMain	SC068	250	42.0	1974	80	48	32	\$ 26,000	\$ 3,000	\$ 29,000	\$ 370	\$ 910	\$ 54,652	\$ 1,236
2040	Walker Rd	PVC	Trunk	SS285	300	202.6	1990	60	32	28	\$ 135,600	\$ 12,000	\$ 147,600	\$ 1,850	\$ 5,280	\$ 256,975	\$ 6,936
2042	Outer Dr	DI	DistMain	SS266	150	57.2	1974	80	48	32	\$ 28,500	\$ -	\$ 28,500	\$ 360	\$ 900	\$ 53,709	\$ 1,214
2044	Holden Rd	PVC	DistMain	SS357	200	600.0	1998	80	24	56	\$ 353,400	\$ 3,000	\$ 356,400	\$ 4,460	\$ 6,370	\$ 1,080,307	\$ 10,637
2045	Holden Rd	PVC	DistMain	SS357	200	600.0	1998	80	24	56	\$ 353,500	\$ 18,000	\$ 371,500	\$ 4,650	\$ 6,640	\$ 1,126,078	\$ 11,088
2046	Holden Rd	PVC	DistMain	SS357	200	600.0	1998	80	24	56	\$ 353,500	\$ 9,000	\$ 362,500	\$ 4,540	\$ 6,480	\$ 1,098,797	\$ 10,819
2047	Holden Rd	PVC	DistMain	SS357	200	600.0	1998	80	24	56	\$ 353,400	\$ 23,900	\$ 377,300	\$ 4,720	\$ 6,740	\$ 1,143,659	\$ 11,261
2048	Holden Rd	PVC	DistMain	SS357	200	600.0	1998	80	24	56	\$ 353,500	\$ 9,000	\$ 362,500	\$ 4,540	\$ 6,480	\$ 1,098,797	\$ 10,819
2050	Holden Rd	PVC	DistMain	SS357	200	408.4	1998	80	24	56	\$ 240,600	\$ 12,000	\$ 252,600	\$ 3,160	\$ 4,520	\$ 765,672	\$ 7,539
2051	South Talbot Rd	PVC	DistMain	SS329	200	325.0	1998	80	24	56	\$ 191,500	\$ 9,000	\$ 200,500	\$ 2,510	\$ 3,590	\$ 607,749	\$ 5,984
2052	South Talbot Rd	PVC	DistMain	SS329	200	513.7	1998	80	24	56	\$ 302,600	\$ 12,000	\$ 314,600	\$ 3,940	\$ 5,620	\$ 953,605	\$ 9,390
2053	South Talbot Rd	PVC	DistMain	SS333	200	39.5	1998	80	24	56	\$ 23,300	\$ -	\$ 23,300	\$ 300	\$ 420	\$ 70,626	\$ 695
2054	South Talbot Rd	PVC	DistMain	SS335	200	275.0	1998	80	24	56	\$ 162,000	\$ 6,000	\$ 168,000	\$ 2,100	\$ 3,000	\$ 509,236	\$ 5,014
2055	Cnty Rd 22	PVC	DistMain	T_SS00	400	162.2	2008	80	14	66	\$ 164,700	\$ -	\$ 164,700	\$ 2,060	\$ 2,500	\$ 608,562	\$ 4,516
2057	Shawnee Rd	PVC	DistMain	SS019	150	20.0	2008	80	14	66	\$ 10,000	\$ -	\$ 10,000	\$ 130	\$ 160	\$ 36,950	\$ 274
2059	Regal Dr	PVC	DistMain	SS378	150	87.8	1974	80	48	32	\$ 43,700	\$ -	\$ 43,700	\$ 550	\$ 1,370	\$ 82,354	\$ 1,862
2061	Snake Ln	PVC	DistMain	SS366	150	1,000.0	2001	80	21	59	\$ 497,000	\$ 6,000	\$ 503,000	\$ 6,290	\$ 8,530	\$ 1,617,999	\$ 14,598
2062	Snake Ln	PVC	DistMain	SS366	150	750.0	2001	80	21	59	\$ 372,800	\$ 18,000	\$ 390,800	\$ 4,890	\$ 6,630	\$ 1,257,085	\$ 11,342
2063	Snake Ln	PVC	DistMain	SS366	150	60.1	2001	80	21	59	\$ 29,900	\$ 3,000	\$ 32,900	\$ 420	\$ 560	\$ 105,829	\$ 955
2065	Shields Rd	PVC	DistMain	SS422	200	15.1	2009	80	13	67	\$ 9,000	\$ -	\$ 9,000	\$ 120	\$ 140	\$ 33,920	\$ 245
2066	Shields Rd	PVC	DistMain	SS422	300	86.2	2009	80	13	67	\$ 57,700	\$ 6,000	\$ 63,700	\$ 800	\$ 960	\$ 240,077	\$ 1,734
2067	Shields Rd	PVC	DistMain	SS422	200	16.8	2009	60	13	47	\$ 9,900	\$ -	\$ 9,900	\$ 130	\$ 220	\$ 25,110	\$ 327
2068	West Lake Dr	PVC	DistMain	SS388	250	166.7	2003	80	19	61	\$ 103,200	\$ 15,000	\$ 118,200	\$ 1,480	\$ 1,940	\$ 395,574	\$ 3,371
2069	Rutland Rd	CI	DistMain	SC063	150	82.9	1955	80	67	13	\$ 41,300	\$ -	\$ 41,300	\$ 520	\$ 3,180	\$ 53,426	\$ 3,639
2070	Walker Rd	PVC	DistMain	SS331	200	626.3	1998	80	24	56	\$ 368,900	\$ -	\$ 368,900	\$ 4,620	\$ 6,590	\$ 1,118,197	\$ 11,010
2071	Walker Rd	PVC	DistMain	SS359	200	610.0	1998	80	24	56	\$ 359,300	\$ 18,000	\$ 377,300	\$ 4,720	\$ 6,740	\$ 1,143,659	\$ 11,261
2072	Walker Rd	PVC	DistMain	SS359	200	595.0	1998	80	24	56	\$ 350,500	\$ 21,000	\$ 371,500	\$ 4,650	\$ 6,640	\$ 1,126,078	\$ 11,088
2073	Walker Rd	PVC	DistMain	SS359	200	630.0	1998	80	24	56	\$ 371,100	\$ 18,000	\$ 389,100	\$ 4,870	\$ 6,950	\$ 1,179,426	\$ 11,613
2074	Walker Rd	PVC	DistMain	SS359	200	550.2	1998	80	24	56	\$ 324,100	\$ 21,000	\$ 345,100	\$ 4,320	\$ 6,170	\$ 1,046,055	\$ 10,300
2075	Walker Rd	PVC	DistMain	SS359	200	637.7	1998	80	24	56	\$ 375,700	\$ 9,000	\$ 384,700	\$ 4,810	\$ 6,870	\$ 1,166,089	\$ 11,482
2076	Sexton Sd Rd	PVC	DistMain	SS336	250	209.1	2009	80	13	67	\$ 129,500	\$ -	\$ 129,500	\$ 1,620	\$ 1,940	\$ 488,069	\$ 3,525
2077	Derby Rd	PVC	DistMain	SC107	150	190.1	2010	80	12	68	\$ 94,600	\$ 15,000	\$ 109,600	\$ 1,370	\$ 1,620	\$ 421,330	\$ 2,963

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
2078	Maisonneuve St	PVC	DistMain	SS030	150	187.4	1987	80	35	45	\$ 93,200	\$ 9,000	\$ 102,200	\$ 1,280	\$ 2,280	\$ 249,149	\$ 3,466
2079	Brighton Rd	PVC	DistMain	SC109	150	97.9	2010	80	12	68	\$ 48,700	\$ 15,000	\$ 63,700	\$ 800	\$ 940	\$ 244,879	\$ 1,722
2080	Estate Park	PVC	DistMain	SC106	150	14.8	2010	80	12	68	\$ 7,400	\$ -	\$ 7,400	\$ 100	\$ 110	\$ 28,447	\$ 200
2081	South Pacific Ave	PVC	Trunk	SS143	300	186.7	2009	80	13	67	\$ 124,900	\$ 3,000	\$ 127,900	\$ 1,600	\$ 1,910	\$ 482,039	\$ 3,482
2082	Shields	PVC	DistMain	SS126	50	209.9	2009	80	13	67	\$ 81,700	\$ -	\$ 81,700	\$ 1,030	\$ 1,220	\$ 307,917	\$ 2,224
2084	County Rd 42	PVC	DistMain	SS114	200	24.8	2007	80	15	65	\$ 14,700	\$ 3,000	\$ 17,700	\$ 230	\$ 280	\$ 64,119	\$ 489
2085	County Rd 42	PVC	DistMain	SS114	150	3.8	2007	80	15	65	\$ 1,900	\$ -	\$ 1,900	\$ 30	\$ 30	\$ 6,883	\$ 52
2086	County Rd 42	PVC	DistMain	SS114	200	20.0	2007	80	15	65	\$ 11,800	\$ -	\$ 11,800	\$ 150	\$ 190	\$ 42,746	\$ 326
2087	County Rd 42	PVC	TransMair	SS114	600	284.9	2007	80	15	65	\$ 449,100	\$ 9,000	\$ 458,100	\$ 5,730	\$ 7,050	\$ 1,659,478	\$ 12,656
2088	County Rd 42	PVC	TransMair	SS115	600	307.9	2007	80	15	65	\$ 485,400	\$ 21,000	\$ 506,400	\$ 6,330	\$ 7,800	\$ 1,834,446	\$ 13,990
2089	County Rd 42	PVC	DistMain	SS115	200	17.7	2007	80	15	65	\$ 10,500	\$ -	\$ 10,500	\$ 140	\$ 170	\$ 38,036	\$ 290
2267	Funaro Cres	PVC	DistMain	SS066	150	114.3	1989	80	33	47	\$ 56,900	\$ 26,900	\$ 83,800	\$ 1,050	\$ 1,790	\$ 212,546	\$ 2,767
2551	Tecumseh	PVC	Bypass	SC114	100	2.8	2011	80	11	69	\$ 1,300	\$ -	\$ 1,300	\$ 20	\$ 20	\$ 5,097	\$ 35
2553	N Talbot Rd	PVC	TransMair	SS239	400	201.4	2010	80	12	68	\$ 204,400	\$ 9,000	\$ 213,400	\$ 2,670	\$ 3,140	\$ 820,363	\$ 5,769
2554	N Talbot Rd	PVC	TransMair	SS242	400	339.2	2010	80	12	68	\$ 344,400	\$ 9,000	\$ 353,400	\$ 4,420	\$ 5,200	\$ 1,358,558	\$ 9,553
2555	N Talbot Rd	PVC	TransMair	SS246	400	224.6	2010	80	12	68	\$ 228,000	\$ 6,000	\$ 234,000	\$ 2,930	\$ 3,450	\$ 899,555	\$ 6,325
2556	N Talbot Rd	PVC	DistMain	SS246	250	154.2	2010	80	12	68	\$ 95,500	\$ 3,000	\$ 98,500	\$ 1,240	\$ 1,450	\$ 378,659	\$ 2,663
2557	N Talbot Rd	PVC	TransMair	SS246	400	115.9	2010	80	12	68	\$ 117,700	\$ -	\$ 117,700	\$ 1,480	\$ 1,740	\$ 452,468	\$ 3,182
2558	O'Neil Dr	PVC	DistMain	SS247	300	12.5	2010	80	12	68	\$ 8,400	\$ -	\$ 8,400	\$ 110	\$ 130	\$ 32,292	\$ 227
2559	O'Neil Dr	PVC	DistMain	SS247	200	243.6	2010	80	12	68	\$ 143,500	\$ 9,000	\$ 152,500	\$ 1,910	\$ 2,250	\$ 586,248	\$ 4,122
2560	N Talbot Rd	PVC	DistMain	SS250	250	122.3	2010	80	12	68	\$ 75,800	\$ -	\$ 75,800	\$ 950	\$ 1,120	\$ 291,394	\$ 2,049
2561	N Talbot Rd	PVC	DistMain	SS254	250	219.7	2010	80	12	68	\$ 136,000	\$ -	\$ 136,000	\$ 1,700	\$ 2,000	\$ 522,818	\$ 3,676
2562	N Talbot Rd	PVC	DistMain	SS250	250	160.4	2010	80	12	68	\$ 99,400	\$ 6,000	\$ 105,400	\$ 1,320	\$ 1,550	\$ 405,184	\$ 2,849
2563	N Talbot Rd	PVC	TransMair	SS254	400	190.4	2010	80	12	68	\$ 193,400	\$ -	\$ 193,400	\$ 2,420	\$ 2,850	\$ 743,478	\$ 5,228
2564	N Talbot Rd	PVC	TransMair	SS250	400	149.7	2010	80	12	68	\$ 152,000	\$ -	\$ 152,000	\$ 1,900	\$ 2,240	\$ 584,326	\$ 4,109
2566	Ure St	PVC	DistMain	SS251	250	20.5	2010	80	12	68	\$ 12,700	\$ -	\$ 12,700	\$ 160	\$ 190	\$ 48,822	\$ 343
2567	Ure St	PVC	DistMain	SS251	250	5.2	2010	80	12	68	\$ 3,300	\$ -	\$ 3,300	\$ 50	\$ 50	\$ 12,686	\$ 89
2570	N Talbot Rd	PVC	DistMain	SS254	400	8.7	2010	80	12	68	\$ 8,800	\$ -	\$ 8,800	\$ 110	\$ 130	\$ 33,829	\$ 238
2571	N Talbot Rd	PVC	DistMain	SS254	200	4.5	1990	80	32	48	\$ 2,700	\$ -	\$ 2,700	\$ 40	\$ 60	\$ 6,985	\$ 88
2572	Oldcastle Rd	PVC	DistMain	SS306	200	17.4	2010	80	12	68	\$ 10,300	\$ -	\$ 10,300	\$ 130	\$ 160	\$ 39,596	\$ 278
2573	Oldcastle Rd	PVC	TransMair	SS306	400	378.6	2010	80	12	68	\$ 384,300	\$ -	\$ 384,300	\$ 4,810	\$ 5,660	\$ 1,477,345	\$ 10,388
2574	Oldcastle Rd	PVC	TransMair	SS306	400	200.3	2010	80	12	68	\$ 203,400	\$ -	\$ 203,400	\$ 2,550	\$ 3,000	\$ 781,921	\$ 5,498
2575	N Talbot Rd	PVC	DistMain	SS254	400	31.0	2010	80	12	68	\$ 31,500	\$ -	\$ 31,500	\$ 400	\$ 470	\$ 121,094	\$ 851
2576	Burdick Cres	PVC	DistMain	T070	150	50.0	2006	80	16	64	\$ 24,900	\$ -	\$ 24,900	\$ 320	\$ 390	\$ 88,432	\$ 693
2577	Oldcastle Rd	PVC	DistMain	SS306	200	1.6	2010	80	12	68	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 20	\$ 3,844	\$ 27
2578	Oldcastle Rd	PVC	TransMair	SS304	400	345.4	2010	80	12	68	\$ 350,600	\$ 23,900	\$ 374,500	\$ 4,690	\$ 5,510	\$ 1,439,672	\$ 10,123
2579	Oldcastle Rd	PVC	DistMain	SS306	200	6.8	2010	80	12	68	\$ 4,100	\$ -	\$ 4,100	\$ 60	\$ 70	\$ 15,761	\$ 111
2580	Oldcastle Rd	PVC	DistMain	SS306	300	1.3	2010	80	12	68	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,460	\$ 24
2581	Highway 3	PVC	DistMain	SS299	300	3.0	2010	80	12	68	\$ 2,000	\$ -	\$ 2,000	\$ 30	\$ 30	\$ 7,689	\$ 54
2582	Halford	PVC	DistMain	SS235	150	252.3	2011	80	11	69	\$ 125,400	\$ 15,000	\$ 140,400	\$ 1,760	\$ 2,040	\$ 550,527	\$ 3,769
2583	County Rd 42	PVC	TransMair	SS117	600	311.3	2007	80	15	65	\$ 490,700	\$ 18,000	\$ 508,700	\$ 6,360	\$ 7,830	\$ 1,842,778	\$ 14,053
2584	11Th Con Rd	PVC	DistMain	SS165	400	1.5	2007	80	15	65	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 30	\$ 5,796	\$ 44
2585	County Rd 11	PVC	DistMain	SS165	150	7.0	2007	80	15	65	\$ 3,500	\$ -	\$ 3,500	\$ 50	\$ 60	\$ 12,679	\$ 97
2586	County Rd 42	PVC	TransMair	SS117	600	106.0	2007	80	15	65	\$ 167,000	\$ 6,000	\$ 173,000	\$ 2,170	\$ 2,670	\$ 626,696	\$ 4,779
2587	County Rd 42	PVC	TransMair	SS117	600	31.0	2007	80	15	65	\$ 48,900	\$ -	\$ 48,900	\$ 620	\$ 760	\$ 177,141	\$ 1,351
2588	County Rd 42	PVC	DistMain	SS117	300	5.0	2007	80	15	65	\$ 3,400	\$ -	\$ 3,400	\$ 50	\$ 60	\$ 12,317	\$ 94
2589	County Rd 42	PVC	TransMair	SS117	600	2.3	2007	80	15	65	\$ 3,700	\$ -	\$ 3,700	\$ 50	\$ 60	\$ 13,403	\$ 102
2590	County Rd 42	PVC	TransMair	SS119	400	214.5	2007	80	15	65	\$ 217,800	\$ 3,000	\$ 220,800	\$ 2,760	\$ 3,400	\$ 799,853	\$ 6,100
2591	County Rd 42	PVC	Bypass	SS114	150	2.0	2007	80	15	65	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 20	\$ 3,985	\$ 30
2592	Manning	PVC	DistMain	T_SCO	200	47.6	1989	80	33	47	\$ 28,100	\$ -	\$ 28,100	\$ 360	\$ 600	\$ 71,271	\$ 928
2593	County Rd 42	PVC	DistMain	SS122	300	20.9	2007	80	15	65	\$ 14,100	\$ -	\$ 14,100	\$ 180	\$ 220	\$ 51,078	\$ 390

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
2594	County Rd 42	PVC	Trunk	SS133	400	254.4	2007	80	15	65	\$ 258,200	\$ 9,000	\$ 267,200	\$ 3,340	\$ 4,120	\$ 967,938	\$ 7,382
2595	County Rd 42	PVC	Trunk	SS133	400	8.0	2007	80	15	65	\$ 8,100	\$ -	\$ 8,100	\$ 110	\$ 130	\$ 29,342	\$ 224
2596	Oldcastle Rd	PVC	DistMain	SS300	200	8.0	2010	80	12	68	\$ 4,800	\$ -	\$ 4,800	\$ 60	\$ 80	\$ 18,452	\$ 130
2597	Oldcastle Rd	PVC	TransMair	SS300	400	307.6	2010	80	12	68	\$ 312,300	\$ 9,000	\$ 321,300	\$ 4,020	\$ 4,730	\$ 1,235,158	\$ 8,685
2598	Oldcastle Rd	PVC	TransMair	SS300	400	91.0	2010	80	12	68	\$ 92,500	\$ -	\$ 92,500	\$ 1,160	\$ 1,370	\$ 355,593	\$ 2,500
2599	Oldcastle Rd	PVC	DistMain	SS299	300	1.7	2010	60	12	48	\$ 1,200	\$ -	\$ 1,200	\$ 20	\$ 30	\$ 3,104	\$ 39
2600	Halford	PVC	DistMain	SS235	150	26.1	2011	60	11	49	\$ 13,000	\$ 3,000	\$ 16,000	\$ 200	\$ 330	\$ 42,221	\$ 515
2601	Halford	PVC	DistMain	SS235	200	251.5	2011	80	11	69	\$ 148,200	\$ 12,000	\$ 160,200	\$ 2,010	\$ 2,330	\$ 628,166	\$ 4,301
2602	County Rd 11	PVC	DistMain	SS165	600	13.7	2007	80	15	65	\$ 21,600	\$ -	\$ 21,600	\$ 270	\$ 340	\$ 78,246	\$ 597
2603	County Rd 42	PVC	Trunk	SS120	400	86.8	2007	80	15	65	\$ 88,100	\$ -	\$ 88,100	\$ 1,110	\$ 1,360	\$ 319,144	\$ 2,434
2604	County Rd 42	PVC	Trunk	SS120	400	22.1	2007	80	15	65	\$ 22,500	\$ -	\$ 22,500	\$ 290	\$ 350	\$ 81,507	\$ 622
2605	County Rd 42	PVC	Trunk	SS120	400	87.0	2007	80	15	65	\$ 88,300	\$ -	\$ 88,300	\$ 1,110	\$ 1,360	\$ 319,869	\$ 2,439
2606	County Rd 42	DI	Trunk	SS133	400	10.8	2007	80	15	65	\$ 11,000	\$ -	\$ 11,000	\$ 140	\$ 170	\$ 39,848	\$ 304
2607	12th Con Rd	DI	DistMain	SS181	200	1.5	2007	80	15	65	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 20	\$ 3,623	\$ 28
2608	Shiff	PVC	DistMain	SS180	200	14.5	2007	80	15	65	\$ 8,600	\$ -	\$ 8,600	\$ 110	\$ 140	\$ 31,154	\$ 238
2609	County Rd 42	PVC	Trunk	SS119	400	23.8	2007	80	15	65	\$ 24,200	\$ -	\$ 24,200	\$ 310	\$ 380	\$ 87,665	\$ 669
2610	St Thomas Cres	PVC	DistMain	T184	150	7.4	1980	80	42	38	\$ 3,700	\$ 3,000	\$ 6,700	\$ 90	\$ 180	\$ 14,219	\$ 253
2611	St Thomas Cres	PVC	DistMain	T184	150	81.0	1980	80	42	38	\$ 40,300	\$ 26,900	\$ 67,200	\$ 840	\$ 1,770	\$ 142,618	\$ 2,542
2612	St Thomas Cres	PVC	DistMain	T191	150	1.9	1980	80	42	38	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 30	\$ 2,122	\$ 38
2613	St Thomas Cres	PVC	DistMain	T191	150	6.1	1980	80	42	38	\$ 3,100	\$ 3,000	\$ 6,100	\$ 80	\$ 170	\$ 12,946	\$ 231
2614	St Thomas Cres	PVC	DistMain	T191	150	6.4	2005	80	17	63	\$ 3,200	\$ -	\$ 3,200	\$ 40	\$ 60	\$ 11,142	\$ 90
2615	St Thomas Cres	PVC	DistMain	T191	150	52.6	1980	80	42	38	\$ 26,200	\$ 3,000	\$ 29,200	\$ 370	\$ 770	\$ 61,971	\$ 1,104
2618	N Talbot Rd	PVC	TransMair	SS254	400	54.9	2010	80	12	68	\$ 55,700	\$ -	\$ 55,700	\$ 700	\$ 820	\$ 214,125	\$ 1,506
2619	Howard Ave	PVC	DistMain	SS355	200	54.2	2012	80	10	70	\$ 32,000	\$ -	\$ 32,000	\$ 400	\$ 460	\$ 127,986	\$ 853
2620	South Talbot Rd	PVC	DistMain	SS329	200	91.6	2012	80	10	70	\$ 54,000	\$ -	\$ 54,000	\$ 680	\$ 780	\$ 215,976	\$ 1,440
2621	South Talbot Rd	PVC	DistMain	SS329	200	163.9	2012	80	10	70	\$ 96,600	\$ -	\$ 96,600	\$ 1,210	\$ 1,380	\$ 386,357	\$ 2,576
2624	Highway 3	PVC	Trunk	SS311	300	516.8	2012	80	10	70	\$ 345,800	\$ 6,000	\$ 351,800	\$ 4,400	\$ 5,030	\$ 1,407,045	\$ 9,382
2625	Highway 3	PVC	TransMair	SS311	300	317.1	2012	80	10	70	\$ 212,200	\$ 15,000	\$ 227,200	\$ 2,840	\$ 3,250	\$ 908,700	\$ 6,059
2626	Highway 3	PVC	TransMair	SS311	300	419.5	2012	80	10	70	\$ 280,700	\$ 15,000	\$ 295,700	\$ 3,700	\$ 4,230	\$ 1,182,669	\$ 7,886
2627	Funaro Cres	PVC	DistMain	SS066	150	24.5	1989	80	33	47	\$ 12,200	\$ 12,000	\$ 24,200	\$ 310	\$ 520	\$ 61,380	\$ 799
2628	Howard Ave	PVC	DistMain	SS326	250	161.3	2013	80	9	71	\$ 99,900	\$ 15,000	\$ 114,900	\$ 1,440	\$ 1,620	\$ 468,740	\$ 3,044
2629	Howard Ave	PVC	DistMain	SS326	250	208.8	2013	80	9	71	\$ 129,300	\$ -	\$ 129,300	\$ 1,620	\$ 1,830	\$ 527,486	\$ 3,426
2630	Howard Ave	PVC	DistMain	SS326	250	210.0	2013	80	9	71	\$ 130,100	\$ -	\$ 130,100	\$ 1,630	\$ 1,840	\$ 530,749	\$ 3,447
2631	Howard Ave	PVC	DistMain	SS326	250	197.3	2013	80	9	71	\$ 122,200	\$ 6,000	\$ 128,200	\$ 1,610	\$ 1,810	\$ 522,998	\$ 3,397
2632	Howard Ave	PVC	DistMain	SS325	250	24.8	2013	80	9	71	\$ 15,400	\$ -	\$ 15,400	\$ 200	\$ 220	\$ 62,825	\$ 408
2635	N Talbot Rd	PVC	DistMain	SS257	400	200.0	2012	80	10	70	\$ 203,100	\$ -	\$ 203,100	\$ 2,540	\$ 2,910	\$ 812,310	\$ 5,416
2636	N Talbot Rd	PVC	DistMain	SS255	400	61.1	2013	80	9	71	\$ 62,100	\$ -	\$ 62,100	\$ 780	\$ 880	\$ 253,340	\$ 1,645
2637	N Talbot Rd	PVC	DistMain	SS257	400	105.8	2013	80	9	71	\$ 107,500	\$ -	\$ 107,500	\$ 1,350	\$ 1,520	\$ 438,552	\$ 2,848
2638	Sexton Sd Rd	PVC	DistMain	SS308	250	205.0	2013	80	9	71	\$ 127,000	\$ -	\$ 127,000	\$ 1,590	\$ 1,790	\$ 518,103	\$ 3,365
2639	Sexton Sd Rd	PVC	DistMain	SS308	250	5.4	2013	80	9	71	\$ 3,400	\$ -	\$ 3,400	\$ 50	\$ 50	\$ 13,870	\$ 90
2641	N Talbot Rd	PVC	DistMain	SS257	400	12.8	2012	80	10	70	\$ 13,000	\$ -	\$ 13,000	\$ 170	\$ 190	\$ 51,994	\$ 347
2643	Brendan Ln	PVC	DistMain	SS293	200	14.4	1998	80	24	56	\$ 8,500	\$ -	\$ 8,500	\$ 110	\$ 160	\$ 25,765	\$ 254
2646	Outer Dr	PVC	DistMain	SS328	200	38.2	2005	80	17	63	\$ 22,500	\$ -	\$ 22,500	\$ 290	\$ 360	\$ 78,342	\$ 631
2647	Talbot Rd	PVC	DistMain	SS262	200	149.0	2005	80	17	63	\$ 87,800	\$ -	\$ 87,800	\$ 1,100	\$ 1,400	\$ 305,707	\$ 2,464
2648	Talbot Rd	PVC	DistMain	SS264	200	132.5	2005	80	17	63	\$ 78,100	\$ 6,000	\$ 84,100	\$ 1,060	\$ 1,340	\$ 292,824	\$ 2,360
2649	Talbot Rd	PVC	DistMain	SS262	200	310.7	2005	80	17	63	\$ 183,000	\$ -	\$ 183,000	\$ 2,290	\$ 2,910	\$ 637,180	\$ 5,135
2650	Intersection Rd	PVC	Bypass	SS006	600	14.0	2006	80	16	64	\$ 22,100	\$ -	\$ 22,100	\$ 280	\$ 350	\$ 78,488	\$ 615
2651	Intersection Rd	PVC	TransMair	SS006	600	23.2	2006	80	16	64	\$ 36,600	\$ -	\$ 36,600	\$ 460	\$ 580	\$ 129,985	\$ 1,019
2652	Intersection Rd	PVC	Bypass	SS006	600	8.6	2006	80	16	64	\$ 13,600	\$ -	\$ 13,600	\$ 170	\$ 220	\$ 48,300	\$ 379
2653	Intersection Rd	PVC	Bypass	SS006	200	7.7	2006	80	16	64	\$ 4,600	\$ -	\$ 4,600	\$ 60	\$ 80	\$ 16,337	\$ 128
2654	Manning Rd	PVC	DistMain	SS350	100	135.9	2000	80	22	58	\$ 59,300	\$ -	\$ 59,300	\$ 750	\$ 1,030	\$ 187,010	\$ 1,737

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
2655	Manning Rd	PVC	DistMain	SS379	150	689.2	2000	80	22	58	\$ 342,600	\$ -	\$ 342,600	\$ 4,290	\$ 5,910	\$ 1,080,432	\$ 10,034
2656	Arbour St	PVC	DistMain	T285	200	3.5	2014	80	8	72	\$ 2,100	\$ -	\$ 2,100	\$ 30	\$ 30	\$ 8,738	\$ 55
2657	Arbour St	PVC	DistMain	T285	200	141.7	2014	80	8	72	\$ 83,500	\$ 6,000	\$ 89,500	\$ 1,120	\$ 1,250	\$ 372,422	\$ 2,356
2658	Arbour St	PVC	DistMain	T285	200	2.0	2014	80	8	72	\$ 1,200	\$ -	\$ 1,200	\$ 20	\$ 20	\$ 4,993	\$ 32
2659	Arbour St	PVC	DistMain	T286	200	139.5	2014	80	8	72	\$ 82,200	\$ 6,000	\$ 88,200	\$ 1,110	\$ 1,230	\$ 367,013	\$ 2,322
2660	Arbour St	PVC	DistMain	T291	200	56.3	2014	80	8	72	\$ 33,200	\$ -	\$ 33,200	\$ 420	\$ 470	\$ 138,150	\$ 874
2661	Shawnee Rd	PVC	DistMain	T287	200	10.3	2014	80	8	72	\$ 6,100	\$ -	\$ 6,100	\$ 80	\$ 90	\$ 25,383	\$ 161
2662	Elderberry Crt	PVC	DistMain	SS433	150	3.1	2014	80	8	72	\$ 1,600	\$ 3,000	\$ 4,600	\$ 60	\$ 70	\$ 19,141	\$ 121
2663	Elderberry Crt	PVC	DistMain	SS433	150	54.7	2014	80	8	72	\$ 27,200	\$ 15,000	\$ 42,200	\$ 530	\$ 590	\$ 175,600	\$ 1,111
2664	Elderberry Crt	PVC	DistMain	SS432	150	56.8	2014	80	8	72	\$ 28,300	\$ 12,000	\$ 40,300	\$ 510	\$ 560	\$ 167,694	\$ 1,061
2665	Elderberry Crt	PVC	DistMain	SS432	150	1.5	2014	80	8	72	\$ 800	\$ 3,000	\$ 3,800	\$ 50	\$ 60	\$ 15,812	\$ 100
2666	Elderberry Crt	PVC	DistMain	SS432	150	87.4	2014	80	8	72	\$ 43,500	\$ 6,000	\$ 49,500	\$ 620	\$ 690	\$ 205,976	\$ 1,303
2667	Elderberry Crt	PVC	DistMain	SS432	150	1.5	2014	80	8	72	\$ 800	\$ -	\$ 800	\$ 10	\$ 20	\$ 3,329	\$ 21
2668	Elderberry Crt	PVC	DistMain	SS433	150	54.7	2014	80	8	72	\$ 27,200	\$ 9,000	\$ 36,200	\$ 460	\$ 510	\$ 150,633	\$ 953
2669	Elderberry Crt	PVC	DistMain	SS432	150	2.6	2014	80	8	72	\$ 1,400	\$ -	\$ 1,400	\$ 20	\$ 20	\$ 5,826	\$ 37
2670	Elderberry Crt	PVC	DistMain	SS432	150	11.7	2014	80	8	72	\$ 5,800	\$ 6,000	\$ 11,800	\$ 150	\$ 170	\$ 49,101	\$ 311
2671	Elderberry Crt	PVC	DistMain	SS432	150	2.1	2014	80	8	72	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 20	\$ 4,577	\$ 29
2672	Elderberry Crt	PVC	DistMain	SS432	150	85.6	2014	80	8	72	\$ 42,600	\$ 15,000	\$ 57,600	\$ 720	\$ 800	\$ 239,682	\$ 1,516
2673	Elderberry Crt	PVC	DistMain	SS432	150	2.7	2014	80	8	72	\$ 1,400	\$ -	\$ 1,400	\$ 20	\$ 20	\$ 5,826	\$ 37
2674	Arbour St	PVC	DistMain	T286	200	8.7	2014	80	8	72	\$ 5,200	\$ -	\$ 5,200	\$ 70	\$ 80	\$ 21,638	\$ 137
2675	Arbour St	PVC	DistMain	T285	200	4.4	2014	80	8	72	\$ 2,600	\$ -	\$ 2,600	\$ 40	\$ 40	\$ 10,819	\$ 68
2678	Arbour St	PVC	DistMain	T284	200	13.6	2014	80	8	72	\$ 8,000	\$ -	\$ 8,000	\$ 100	\$ 120	\$ 33,289	\$ 211
2680	Arbour St	PVC	DistMain	T284	200	4.7	2014	80	8	72	\$ 2,800	\$ -	\$ 2,800	\$ 40	\$ 40	\$ 11,651	\$ 74
2681	Shawnee Rd	PVC	DistMain	T287	200	8.6	2014	80	8	72	\$ 5,100	\$ -	\$ 5,100	\$ 70	\$ 80	\$ 21,222	\$ 134
2682	Shields Rd	PVC	DistMain	SS422	150	0.7	2014	80	8	72	\$ 400	\$ -	\$ 400	\$ 10	\$ 10	\$ 1,664	\$ 11
2683	Shields Rd	PVC	DistMain	SS422	150	105.0	2014	80	8	72	\$ 52,200	\$ -	\$ 52,200	\$ 660	\$ 730	\$ 217,212	\$ 1,374
2684	Shields Rd	PVC	DistMain	SS422	150	1.0	2014	80	8	72	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 2,081	\$ 13
2685	Baseline Rd	DI	Bypass	SS164	200	11.2	2007	80	15	65	\$ 6,700	\$ 3,000	\$ 9,700	\$ 130	\$ 150	\$ 35,138	\$ 268
2686	Cedar Cres	PVC	DistMain	SC042	150	44.9	2014	80	8	72	\$ 22,400	\$ -	\$ 22,400	\$ 280	\$ 320	\$ 93,210	\$ 590
2687	Cedar Cres	PVC	DistMain	SC042	100	15.1	2014	80	8	72	\$ 6,600	\$ -	\$ 6,600	\$ 90	\$ 100	\$ 27,464	\$ 174
2688	Cedar Cres	PVC	DistMain	SC042	150	1.0	2014	80	8	72	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 2,081	\$ 13
2689	Cedar Cres	PVC	DistMain	SC042	100	11.8	2014	80	8	72	\$ 5,200	\$ -	\$ 5,200	\$ 70	\$ 80	\$ 21,638	\$ 137
2691	Brendan Ln	PVC	DistMain	SS293	200	83.4	2014	80	8	72	\$ 49,200	\$ -	\$ 49,200	\$ 620	\$ 690	\$ 204,728	\$ 1,295
2692	Brendan Ln	PVC	DistMain	SS295	200	55.6	2014	80	8	72	\$ 32,800	\$ -	\$ 32,800	\$ 410	\$ 460	\$ 136,485	\$ 864
2693	Brendan Ln	PVC	DistMain	SS295	200	149.9	2014	80	8	72	\$ 88,300	\$ 15,000	\$ 103,300	\$ 1,300	\$ 1,440	\$ 429,846	\$ 2,720
2694	Brendan Ln	PVC	DistMain	SS295	200	62.6	2014	80	8	72	\$ 36,900	\$ 6,000	\$ 42,900	\$ 540	\$ 600	\$ 178,513	\$ 1,129
2695	Dimu Dr	PVC	DistMain	SS170	150	5.3	2012	80	10	70	\$ 2,700	\$ -	\$ 2,700	\$ 40	\$ 40	\$ 10,799	\$ 72
2696	12th Con Rd	PVC	DistMain	SS168	150	168.9	2012	80	10	70	\$ 84,000	\$ 6,000	\$ 90,000	\$ 1,130	\$ 1,290	\$ 359,960	\$ 2,400
2697	Brendan Ln	PVC	DistMain	SS293	200	95.4	2014	80	8	72	\$ 56,200	\$ 6,000	\$ 62,200	\$ 780	\$ 870	\$ 258,823	\$ 1,638
2698	Binder Cres	PVC	DistMain	SS294	200	77.0	2014	80	8	72	\$ 45,400	\$ -	\$ 45,400	\$ 570	\$ 640	\$ 188,916	\$ 1,195
2699	Binder Cres	PVC	DistMain	SS294	150	4.5	2014	80	8	72	\$ 2,300	\$ 9,000	\$ 11,300	\$ 150	\$ 160	\$ 47,021	\$ 297
2700	Brendan Ln	PVC	DistMain	SS295	200	161.7	1978	80	44	36	\$ 95,300	\$ -	\$ 95,300	\$ 1,200	\$ 2,650	\$ 194,401	\$ 3,739
2701	Highway 3	PVC	Trunk	SS307	300	760.0	1997	80	25	55	\$ 508,500	\$ 18,000	\$ 526,500	\$ 6,590	\$ 9,580	\$ 1,564,616	\$ 15,870
2702	Highway 3	PVC	Trunk	SS307	300	423.7	1997	80	25	55	\$ 283,500	\$ 23,900	\$ 307,400	\$ 3,850	\$ 5,590	\$ 913,510	\$ 9,266
2703	Highway 3	PVC	Trunk	SS311	300	240.0	1997	80	25	55	\$ 160,600	\$ 6,000	\$ 166,600	\$ 2,090	\$ 3,030	\$ 495,090	\$ 5,022
2704	Highway 3	PVC	Trunk	SS311	300	112.1	1997	80	25	55	\$ 75,100	\$ -	\$ 75,100	\$ 940	\$ 1,370	\$ 223,177	\$ 2,264
2705	Highway 3	PVC	Trunk	SS311	300	174.9	1997	80	25	55	\$ 117,100	\$ 3,000	\$ 120,100	\$ 1,510	\$ 2,190	\$ 356,905	\$ 3,620
2707	Gordon Ave	DI	DistMain	SC023	150	160.7	1978	80	44	36	\$ 79,900	\$ 35,900	\$ 115,800	\$ 1,450	\$ 3,220	\$ 236,219	\$ 4,543
2708	Fairway Cres	DI	DistMain	SC024	150	110.7	1978	80	44	36	\$ 55,100	\$ 23,900	\$ 79,000	\$ 990	\$ 2,200	\$ 161,151	\$ 3,099
2709	Edgewater Blvd	CI	DistMain	SC035	150	228.1	1955	80	67	13	\$ 113,400	\$ 3,000	\$ 116,400	\$ 1,460	\$ 8,960	\$ 150,576	\$ 10,257
2710	Clovelly Rd	CI	DistMain	SC064	150	57.5	1955	80	67	13	\$ 28,600	\$ -	\$ 28,600	\$ 360	\$ 2,200	\$ 36,997	\$ 2,520

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
2711	Dresden Pl	PVC	DistMain	SC081	150	112.8	1984	80	38	42	\$ 56,100	\$ 23,900	\$ 80,000	\$ 1,000	\$ 1,910	\$ 183,780	\$ 2,833
2712	Dresden Pl	PVC	DistMain	SC081	150	103.7	1984	80	38	42	\$ 51,600	\$ 23,900	\$ 75,500	\$ 950	\$ 1,800	\$ 173,442	\$ 2,674
2713	Arlington Blvd	CI	DistMain	SC085	150	105.2	1955	80	67	13	\$ 52,300	\$ -	\$ 52,300	\$ 660	\$ 4,030	\$ 67,656	\$ 4,609
2714	Hebert St	PVC	Trunk	SS025	300	158.9	1987	80	35	45	\$ 106,300	\$ 38,900	\$ 145,200	\$ 1,820	\$ 3,230	\$ 353,976	\$ 4,924
2715	Eugeni St	PVC	DistMain	SS074	150	76.1	1992	80	30	50	\$ 37,900	\$ 9,000	\$ 46,900	\$ 590	\$ 940	\$ 126,235	\$ 1,493
2716	Charlene Lane	PVC	DistMain	SS075	150	94.0	1992	80	30	50	\$ 46,800	\$ 21,000	\$ 67,800	\$ 850	\$ 1,360	\$ 182,490	\$ 2,158
2717	Cranbrook Cres	PVC	DistMain	SS174	150	36.3	1997	80	25	55	\$ 18,100	\$ 12,000	\$ 30,100	\$ 380	\$ 550	\$ 89,449	\$ 907
2718	Chornoby Cres	PVC	DistMain	SS041	150	210.5	1996	80	26	54	\$ 104,700	\$ 56,800	\$ 161,500	\$ 2,020	\$ 3,000	\$ 470,524	\$ 4,918
2719	Funaro Cres	PVC	DistMain	SS426	150	105.4	1992	80	30	50	\$ 52,400	\$ 21,000	\$ 73,400	\$ 920	\$ 1,470	\$ 197,563	\$ 2,336
2720	County Rd 46	PVC	DistMain	SS203	200	3.3	2007	80	15	65	\$ 2,000	\$ -	\$ 2,000	\$ 30	\$ 40	\$ 7,245	\$ 55
2721	County Rd 46	PVC	DistMain	SS203	600	500.2	2007	80	15	65	\$ 788,400	\$ -	\$ 788,400	\$ 9,860	\$ 12,130	\$ 2,855,997	\$ 21,781
2722	County Rd 46	PVC	DistMain	SS203	600	511.5	2007	80	15	65	\$ 806,200	\$ -	\$ 806,200	\$ 10,080	\$ 12,410	\$ 2,920,478	\$ 22,272
2723	Webster Dr	PVC	DistMain	SS202	200	148.1	1981	80	41	39	\$ 87,300	\$ -	\$ 87,300	\$ 1,100	\$ 2,240	\$ 188,982	\$ 3,245
2724	Webster Dr	PVC	DistMain	SS202	200	8.3	2007	80	15	65	\$ 4,900	\$ -	\$ 4,900	\$ 70	\$ 80	\$ 17,750	\$ 135
2726	N Talbot Rd	PVC	DistMain	SS257	400	200.3	2012	80	10	70	\$ 203,400	\$ -	\$ 203,400	\$ 2,550	\$ 2,910	\$ 813,510	\$ 5,424
2727	Malden Rd	DI	DistMain	SS318	200	302.9	1975	80	47	33	\$ 178,400	\$ 44,900	\$ 223,300	\$ 2,800	\$ 6,770	\$ 429,234	\$ 9,309
2728	Malden Rd	DI	DistMain	SS320	200	316.5	1975	80	47	33	\$ 186,500	\$ 23,900	\$ 210,400	\$ 2,630	\$ 6,380	\$ 404,437	\$ 8,771
2729	South Talbot Rd	PVC	DistMain	SS341	200	465.9	1990	80	32	48	\$ 274,500	\$ 6,000	\$ 280,500	\$ 3,510	\$ 5,850	\$ 725,673	\$ 9,145
2730	Lacasse Blvd	PVC	DistMain	T157	200	49.7	2009	80	13	67	\$ 29,400	\$ 6,000	\$ 35,400	\$ 450	\$ 530	\$ 133,418	\$ 964
2731	Lacasse Blvd	PVC	DistMain	T204	200	19.4	2009	80	13	67	\$ 11,500	\$ -	\$ 11,500	\$ 150	\$ 180	\$ 43,342	\$ 313
2732	Riverside Dr	PVC	DistMain	SC003	250	174.2	2007	80	15	65	\$ 107,900	\$ 44,900	\$ 152,800	\$ 1,910	\$ 2,360	\$ 553,522	\$ 4,221
2733	Kenney Crt	PVC	DistMain	T018	150	63.8	1988	80	34	46	\$ 31,800	\$ 12,000	\$ 43,800	\$ 550	\$ 960	\$ 108,914	\$ 1,465
2734	Oliver Dr	PVC	DistMain	T108	150	141.0	1977	80	45	35	\$ 70,100	\$ 32,900	\$ 103,000	\$ 1,290	\$ 2,950	\$ 205,989	\$ 4,120
2735	Highway 3	PVC	Trunk	SS299	300	25.1	1997	80	25	55	\$ 16,800	\$ 6,000	\$ 22,800	\$ 290	\$ 420	\$ 67,755	\$ 687
2736	Sexton Sd Rd	PVC	DistMain	SS336	250	229.0	2009	80	13	67	\$ 141,800	\$ -	\$ 141,800	\$ 1,780	\$ 2,120	\$ 534,426	\$ 3,860
2737	Sexton Sd Rd	PVC	DistMain	SS336	250	298.4	2009	80	13	67	\$ 184,800	\$ -	\$ 184,800	\$ 2,310	\$ 2,760	\$ 696,488	\$ 5,031
2738	Oldcastle Rd	PVC	DistMain	SS306	200	520.1	1996	80	26	54	\$ 306,400	\$ -	\$ 306,400	\$ 3,830	\$ 5,680	\$ 892,685	\$ 9,331
2740	South Pacific Ave	PVC	Trunk	SS131	300	16.7	2003	80	19	61	\$ 11,200	\$ -	\$ 11,200	\$ 140	\$ 190	\$ 37,482	\$ 319
2741	Highway 3	PVC	Trunk	SS311	300	281.1	1997	80	25	55	\$ 188,100	\$ 35,900	\$ 224,000	\$ 2,800	\$ 4,080	\$ 665,668	\$ 6,752
2743	Highway 3	PVC	Trunk	SS311	300	228.0	1997	80	25	55	\$ 152,600	\$ 12,000	\$ 164,600	\$ 2,060	\$ 3,000	\$ 489,147	\$ 4,962
2744	Highway 3	DI	DistMain	SS267	200	61.0	1974	80	48	32	\$ 36,000	\$ -	\$ 36,000	\$ 450	\$ 1,130	\$ 67,843	\$ 1,534
2745	Riverside Dr	PVC	DistMain	SC001	250	38.0	2007	80	15	65	\$ 23,600	\$ -	\$ 23,600	\$ 300	\$ 370	\$ 85,492	\$ 652
2749	Tecumseh Rd	PVC	DistMain	T262	400	14.0	2014	80	8	72	\$ 14,200	\$ -	\$ 14,200	\$ 180	\$ 200	\$ 59,088	\$ 374
2754	Shawnee Rd	PVC	DistMain	T284	200	5.4	1999	80	23	57	\$ 3,300	\$ 3,000	\$ 6,300	\$ 80	\$ 120	\$ 19,478	\$ 186
2756	Shields Rd	PVC	DistMain	SS422	250	1.5	2014	80	8	72	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 20	\$ 4,161	\$ 26
2757	Shields Rd	PVC	DistMain	SS422	250	0.3	2014	80	8	72	\$ 200	\$ -	\$ 200	\$ 10	\$ 10	\$ 832	\$ 5
2758	Shields Rd	PVC	DistMain	SS422	250	27.6	2014	80	8	72	\$ 17,100	\$ -	\$ 17,100	\$ 220	\$ 240	\$ 71,156	\$ 450
2759	Michael Dr	PVC	DistMain	T224	200	229.6	1998	80	24	56	\$ 135,300	\$ 146,400	\$ 281,700	\$ 3,530	\$ 5,040	\$ 853,879	\$ 8,408
2760	Northfield Way	PVC	DistMain	T324	150	78.0	1994	80	28	52	\$ 38,800	\$ 26,900	\$ 65,700	\$ 830	\$ 1,270	\$ 183,982	\$ 2,044
2765	8th Con Rd	PVC	DistMain	SS363	200	629.8	1990	80	32	48	\$ 371,000	\$ 9,000	\$ 380,000	\$ 4,750	\$ 7,920	\$ 983,087	\$ 12,389
2766	Kenney Crt	PVC	DistMain	T018	150	98.4	1988	80	34	46	\$ 48,900	\$ 12,000	\$ 60,900	\$ 770	\$ 1,330	\$ 151,435	\$ 2,037
2767	8th Con Rd	PVC	DistMain	SS363	200	656.6	1990	80	32	48	\$ 386,800	\$ -	\$ 386,800	\$ 4,840	\$ 8,060	\$ 1,000,679	\$ 12,610
2768	8th Con Rd	PVC	DistMain	SS363	200	651.3	1990	80	32	48	\$ 383,700	\$ 3,000	\$ 386,700	\$ 4,840	\$ 8,060	\$ 1,000,420	\$ 12,607
2769	8th Con Rd	PVC	DistMain	SS363	200	652.6	1990	80	32	48	\$ 384,400	\$ 9,000	\$ 393,400	\$ 4,920	\$ 8,200	\$ 1,017,753	\$ 12,826
2771	St Martin Cres	DI	DistMain	SS070	150	94.3	1980	80	42	38	\$ 46,900	\$ 15,000	\$ 61,900	\$ 780	\$ 1,630	\$ 131,370	\$ 2,341
2772	Eugeni St	PVC	DistMain	SS074	150	79.0	1992	80	30	50	\$ 39,300	\$ 9,000	\$ 48,300	\$ 610	\$ 970	\$ 130,004	\$ 1,537
2773	St Martin Cres	DI	DistMain	SS070	150	101.9	1980	80	42	38	\$ 50,700	\$ 12,000	\$ 62,700	\$ 790	\$ 1,650	\$ 133,068	\$ 2,371
2774	McNorton St	PVC	Trunk	T194	300	46.8	2005	80	17	63	\$ 31,400	\$ -	\$ 31,400	\$ 400	\$ 500	\$ 109,330	\$ 881
2775	William St	CI	DistMain	T216	150	65.2	1960	80	62	18	\$ 32,400	\$ 12,000	\$ 44,400	\$ 560	\$ 2,470	\$ 63,414	\$ 2,962
2776	William St	CI	DistMain	T216	150	75.4	1960	80	62	18	\$ 37,500	\$ 6,000	\$ 43,500	\$ 550	\$ 2,420	\$ 62,129	\$ 2,902
2777	Horwood Cres	PVC	DistMain	T221	150	95.4	1993	80	29	51	\$ 47,500	\$ 53,800	\$ 101,300	\$ 1,270	\$ 1,990	\$ 278,111	\$ 3,187

Appendix G-2
Watermain Inventory

GIS Database											2021 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				
2778	Horwood Cres	PVC	DistMain	T221	150	63.3	1993	80	29	51	\$ 31,500	\$ 32,900	\$ 64,400	\$ 810	\$ 1,270	\$ 176,805	\$ 2,026
2779	Shields Rd	PVC	DistMain	SS422	300	91.5	2009	80	13	67	\$ 61,300	\$ 6,000	\$ 67,300	\$ 850	\$ 1,010	\$ 253,645	\$ 1,832
2780	Shields Rd	PVC	DistMain	SS422	300	78.4	2009	80	13	67	\$ 52,500	\$ -	\$ 52,500	\$ 660	\$ 790	\$ 197,866	\$ 1,429
2781	Shields Rd	PVC	DistMain	SS422	300	53.8	2009	80	13	67	\$ 36,000	\$ -	\$ 36,000	\$ 450	\$ 540	\$ 135,679	\$ 980
2782	Riverside Dr	PVC	DistMain	T013	200	33.2	1999	80	23	57	\$ 19,600	\$ 12,000	\$ 31,600	\$ 400	\$ 560	\$ 97,701	\$ 934
2783	Renaud St	PVC	DistMain	T304	150	14.4	2005	80	17	63	\$ 7,200	\$ 6,000	\$ 13,200	\$ 170	\$ 210	\$ 45,961	\$ 370
2786	Riverside Dr	PVC	DistMain	T015	250	56.4	2015	80	7	73	\$ 35,000	\$ 3,000	\$ 38,000	\$ 480	\$ 530	\$ 161,286	\$ 994
2789	Amberly Cres	PVC	DistMain	T237	150	232.1	1979	80	43	37	\$ 115,400	\$ 62,800	\$ 178,200	\$ 2,230	\$ 4,820	\$ 370,778	\$ 6,862
2790	Essex Rd	PVC	DistMain	SC061	150	112.3	2015	80	7	73	\$ 55,900	\$ 6,000	\$ 61,900	\$ 780	\$ 850	\$ 262,726	\$ 1,620
2791	Manning Rd	PVC	DistMain	T_SC00	250	19.4	2015	80	7	73	\$ 12,000	\$ -	\$ 12,000	\$ 150	\$ 170	\$ 50,932	\$ 314
2792	Manning Rd	PVC	DistMain	T_SC00	250	23.2	2015	80	7	73	\$ 14,400	\$ -	\$ 14,400	\$ 180	\$ 200	\$ 61,119	\$ 377
2793	Manning Rd	PVC	DistMain	T_SC00	150	2.0	2015	80	7	73	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 20	\$ 4,244	\$ 26
2794	Riverside Dr	PVC	DistMain	T_SC00	250	2.6	2015	80	7	73	\$ 1,700	\$ -	\$ 1,700	\$ 30	\$ 30	\$ 7,215	\$ 44
2795	Willow Crt	PVC	DistMain	SC044	150	44.8	2015	80	7	73	\$ 22,300	\$ -	\$ 22,300	\$ 280	\$ 310	\$ 94,649	\$ 583
2796	Willow Crt	PVC	DistMain	SC044	100	6.5	2015	80	7	73	\$ 2,900	\$ -	\$ 2,900	\$ 40	\$ 40	\$ 12,309	\$ 76
2797	Willow Crt	PVC	DistMain	SC044	100	23.1	2015	80	7	73	\$ 10,100	\$ -	\$ 10,100	\$ 130	\$ 140	\$ 42,868	\$ 264
2798	Delduca Dr	PVC	DistMain	SS249	150	16.5	1990	80	32	48	\$ 8,300	\$ -	\$ 8,300	\$ 110	\$ 180	\$ 21,473	\$ 271
2801	Carmelita Crt	PVC	DistMain	T286	200	23.4	2014	80	8	72	\$ 13,800	\$ -	\$ 13,800	\$ 180	\$ 200	\$ 57,424	\$ 363
2802	Carmelita Crt	PVC	DistMain	T286	200	5.9	2014	80	8	72	\$ 3,500	\$ -	\$ 3,500	\$ 50	\$ 50	\$ 14,564	\$ 92
2803	Lakewood Cres	PVC	DistMain	SC141	200	195.5	2015	80	7	73	\$ 115,200	\$ 68,800	\$ 184,000	\$ 2,300	\$ 2,530	\$ 780,963	\$ 4,814
2804	Lakewood Cres	PVC	DistMain	SC141	200	281.5	2015	80	7	73	\$ 165,800	\$ 95,600	\$ 261,400	\$ 3,270	\$ 3,590	\$ 1,109,477	\$ 6,839
2805	Hayes Ave	PVC	DistMain	SC138	200	277.5	2015	80	7	73	\$ 163,500	\$ 62,800	\$ 226,300	\$ 2,830	\$ 3,100	\$ 960,499	\$ 5,921
2806	Manning Rd	PVC	DistMain	T_SC00	250	15.9	2015	80	7	73	\$ 9,900	\$ -	\$ 9,900	\$ 130	\$ 140	\$ 42,019	\$ 259
2807	Hayes Ave	PVC	DistMain	SC140	200	249.9	2015	80	7	73	\$ 147,300	\$ 23,900	\$ 171,200	\$ 2,140	\$ 2,350	\$ 726,635	\$ 4,479
2808	Hayes Ave	PVC	DistMain	SC139	200	96.0	2015	80	7	73	\$ 56,600	\$ 23,900	\$ 80,500	\$ 1,010	\$ 1,110	\$ 341,671	\$ 2,106
2809	Hayes Ave	PVC	DistMain	SC140	200	90.4	2015	80	7	73	\$ 53,300	\$ 29,900	\$ 83,200	\$ 1,040	\$ 1,140	\$ 353,131	\$ 2,177
2810	Outer Dr	PVC	DistMain	SS266	200	199.9	2015	80	7	73	\$ 117,800	\$ 21,000	\$ 138,800	\$ 1,740	\$ 1,910	\$ 589,118	\$ 3,632
2811	Outer Dr	PVC	DistMain	SS266	200	192.7	2015	80	7	73	\$ 113,600	\$ 12,000	\$ 125,600	\$ 1,570	\$ 1,730	\$ 533,092	\$ 3,286
2812	Moro Dr	PVC	DistMain	SS277	200	186.5	2015	80	7	73	\$ 109,900	\$ 3,000	\$ 112,900	\$ 1,420	\$ 1,550	\$ 479,189	\$ 2,954
2813	Moro Dr	PVC	DistMain	SS277	200	10.1	2015	80	7	73	\$ 6,000	\$ -	\$ 6,000	\$ 80	\$ 90	\$ 25,466	\$ 157
2814	Moro Dr	PVC	DistMain	SS277	200	167.6	2015	80	7	73	\$ 98,800	\$ 21,000	\$ 119,800	\$ 1,500	\$ 1,650	\$ 508,475	\$ 3,135
2815	Burke Dr	PVC	DistMain	SS278	200	191.1	2015	80	7	73	\$ 112,600	\$ 6,000	\$ 118,600	\$ 1,490	\$ 1,630	\$ 503,381	\$ 3,103
2816	Burke Dr	PVC	DistMain	SS278	200	163.9	2015	80	7	73	\$ 96,600	\$ 18,000	\$ 114,600	\$ 1,440	\$ 1,570	\$ 486,404	\$ 2,998
2822	Carmelita Crt	PVC	DistMain	T409	150	241.0	2015	80	7	73	\$ 119,800	\$ 140,400	\$ 260,200	\$ 3,260	\$ 3,570	\$ 1,104,383	\$ 6,808
2828	Poisson St	PVC	DistMain	T292	200	21.7	2016	80	6	74	\$ 12,900	\$ -	\$ 12,900	\$ 170	\$ 180	\$ 55,847	\$ 335
2830	Poisson St	PVC	DistMain	T293	200	4.7	2016	80	6	74	\$ 2,800	\$ -	\$ 2,800	\$ 40	\$ 40	\$ 12,122	\$ 73
2831	Poisson St	PVC	DistMain	T293	150	7.4	2016	80	6	74	\$ 3,700	\$ -	\$ 3,700	\$ 50	\$ 50	\$ 16,018	\$ 96
2832	St Anne Blvd	PVC	DistMain	T290	200	18.0	2016	80	6	74	\$ 10,600	\$ -	\$ 10,600	\$ 140	\$ 150	\$ 45,890	\$ 276
2833	County Rd 46	PVC	DistMain	T290	150	1.7	2017	80	6	74	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,896	\$ 23
2833	St Anne Blvd	PVC	DistMain	T290	150	1.7	2016	80	6	74	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,896	\$ 23
2834	St Anne Blvd	PVC	DistMain	T295	150	3.7	2016	80	6	74	\$ 1,900	\$ -	\$ 1,900	\$ 30	\$ 30	\$ 8,226	\$ 49
2835	Outer Dr	PVC	DistMain	SS266	200	111.5	2016	80	6	74	\$ 65,700	\$ 12,000	\$ 77,700	\$ 980	\$ 1,050	\$ 336,383	\$ 2,021
2836	Rossi Dr	PVC	DistMain	SS274	200	2.5	2016	80	6	74	\$ 1,500	\$ -	\$ 1,500	\$ 20	\$ 30	\$ 6,494	\$ 39
2837	Rossi Dr	PVC	DistMain	SS274	200	37.9	2016	80	6	74	\$ 22,400	\$ -	\$ 22,400	\$ 280	\$ 310	\$ 96,975	\$ 583
2838	Outer Dr	PVC	DistMain	SS266	200	116.5	2016	80	6	74	\$ 68,700	\$ 15,000	\$ 83,700	\$ 1,050	\$ 1,140	\$ 362,358	\$ 2,177
2839	Outer Dr	PVC	DistMain	SS265	200	108.6	2016	80	6	74	\$ 64,000	\$ 15,000	\$ 79,000	\$ 990	\$ 1,070	\$ 342,011	\$ 2,055
2841	Dumouchelle St	PVC	DistMain	SS232	150	65.7	2016	80	6	74	\$ 32,700	\$ 12,000	\$ 44,700	\$ 560	\$ 610	\$ 193,517	\$ 1,163
2842	Dumouchelle St	PVC	DistMain	SS232	150	118.1	2016	80	6	74	\$ 58,700	\$ 9,000	\$ 67,700	\$ 850	\$ 920	\$ 293,090	\$ 1,761
2846	Arbour St	PVC	DistMain	T291	200	51.5	2016	80	6	74	\$ 30,400	\$ -	\$ 30,400	\$ 380	\$ 420	\$ 131,609	\$ 791
2847	Arbour St	PVC	DistMain	T294	200	123.6	2016	80	6	74	\$ 72,800	\$ 12,000	\$ 84,800	\$ 1,060	\$ 1,150	\$ 367,120	\$ 2,205
2848	Arbour St	CI	DistMain	T294	150	7.5	1955	80	6	74	\$ 3,800	\$ -	\$ 3,800	\$ 50	\$ 60	\$ 16,451	\$ 99

**Appendix G-2
Watermain Inventory**

GIS Database											2021 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				
2849	Arbour St	PVC	DistMain	T291	200	83.1	2016	80	6	74	\$ 49,000	\$ 3,000	\$ 52,000	\$ 650	\$ 710	\$ 225,121	\$ 1,352
2850	St Thomas St	DI	DistMain	T163	150	34.2	1989	80	6	74	\$ 17,100	\$ 3,000	\$ 20,100	\$ 260	\$ 280	\$ 87,018	\$ 523
2851	County Rd 34	PVC	DistMain	SS322	100	110.5	2018	80	6	74	\$ 48,200	\$ -	\$ 48,200	\$ 610	\$ 660	\$ 208,670	\$ 1,254
2852	County Rd 34	PVC	DistMain	SS322	50	41.3	2018	80	6	74	\$ 16,100	\$ -	\$ 16,100	\$ 210	\$ 220	\$ 69,701	\$ 419
2853	County Rd 34	PVC	DistMain	SS322	50	29.2	2018	80	6	74	\$ 11,400	\$ -	\$ 11,400	\$ 150	\$ 160	\$ 49,353	\$ 296
2856	Outer Dr	PVC	DistMain	SS264	150	1.2	1999	80	6	74	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,598	\$ 16
2858	County Rd 42	PVC	DistMain	SS145	250	51.8	2016	80	6	74	\$ 32,100	\$ 6,000	\$ 38,100	\$ 480	\$ 520	\$ 164,944	\$ 991
2859	County Rd 42	PVC	DistMain	SS145	250	126.8	2016	80	6	74	\$ 78,600	\$ 23,900	\$ 102,500	\$ 1,290	\$ 1,390	\$ 443,748	\$ 2,666
2860	County Rd 42	PVC	DistMain	SS153	250	29.1	2016	80	6	74	\$ 18,100	\$ -	\$ 18,100	\$ 230	\$ 250	\$ 78,359	\$ 471
2861	Strawberry Dr	PVC	DistMain	SS146	200	4.3	2016	80	6	74	\$ 2,600	\$ -	\$ 2,600	\$ 40	\$ 40	\$ 11,256	\$ 68
2862	County Rd 42	PVC	DistMain	SS153	250	169.4	2016	80	6	74	\$ 104,900	\$ 23,900	\$ 128,800	\$ 1,610	\$ 1,750	\$ 557,607	\$ 3,350
2863	County Rd 42	PVC	DistMain	SS153	250	144.4	2016	80	6	74	\$ 89,400	\$ 6,000	\$ 95,400	\$ 1,200	\$ 1,290	\$ 413,010	\$ 2,481
2864	County Rd 42	PVC	DistMain	SS153	200	27.2	2016	80	6	74	\$ 16,100	\$ -	\$ 16,100	\$ 210	\$ 220	\$ 69,701	\$ 419
2870	8th Con Rd	PVC	TransMair	SS256	600	190.0	2017	80	6	74	\$ 299,500	\$ -	\$ 299,500	\$ 3,750	\$ 4,050	\$ 1,296,611	\$ 7,789
2871	8th Con Rd	PVC	TransMair	SS223	600	88.5	2017	80	6	74	\$ 139,600	\$ -	\$ 139,600	\$ 1,750	\$ 1,890	\$ 604,363	\$ 3,631
2872	8th Con Rd	PVC	TransMair	SS256	600	191.0	2017	80	6	74	\$ 301,100	\$ -	\$ 301,100	\$ 3,770	\$ 4,070	\$ 1,303,537	\$ 7,831
2873	8th Con Rd	PVC	TransMair	SS256	600	191.0	2017	80	6	74	\$ 301,100	\$ -	\$ 301,100	\$ 3,770	\$ 4,070	\$ 1,303,537	\$ 7,831
2874	8th Con Rd	PVC	TransMair	SS256	600	91.3	2017	80	6	74	\$ 143,900	\$ -	\$ 143,900	\$ 1,800	\$ 1,950	\$ 622,979	\$ 3,742
2875	County Rd 46	PVC	TransMair	SS203	600	36.6	2017	80	6	74	\$ 57,800	\$ -	\$ 57,800	\$ 730	\$ 790	\$ 250,231	\$ 1,503
2876	8th Con Rd	PVC	DistMain	SS204	200	9.1	2017	80	6	74	\$ 5,400	\$ -	\$ 5,400	\$ 70	\$ 80	\$ 23,378	\$ 140
2877	8th Con Rd	PVC	DistMain	SS223	200	8.5	2017	80	6	74	\$ 5,100	\$ -	\$ 5,100	\$ 70	\$ 70	\$ 22,079	\$ 133
2884	County Rd 46	PVC	DistMain	SS205	200	24.5	2017	80	6	74	\$ 14,500	\$ -	\$ 14,500	\$ 190	\$ 200	\$ 62,774	\$ 377
2885	County Rd 46	PVC	DistMain	SS205	300	1.6	2017	80	6	74	\$ 1,100	\$ -	\$ 1,100	\$ 20	\$ 20	\$ 4,762	\$ 29
2886	8th Con Rd	PVC	DistMain	SS256	200	17.6	2017	80	6	74	\$ 10,400	\$ -	\$ 10,400	\$ 130	\$ 150	\$ 45,024	\$ 270
2890	Moro Dr	PVC	DistMain	SS276	200	140.9	2017	80	6	74	\$ 83,000	\$ 12,000	\$ 95,000	\$ 1,190	\$ 1,290	\$ 411,279	\$ 2,471
2891	Moro Dr	PVC	DistMain	SS276	200	136.4	2017	80	6	74	\$ 80,400	\$ 18,000	\$ 98,400	\$ 1,230	\$ 1,330	\$ 425,998	\$ 2,559
2892	Pulleyblank Dr	PVC	DistMain	SS273	200	125.8	2017	80	6	74	\$ 74,100	\$ 9,000	\$ 83,100	\$ 1,040	\$ 1,130	\$ 359,761	\$ 2,161
2894	Rossi Dr	PVC	DistMain	SS274	200	25.7	2017	80	6	74	\$ 15,200	\$ 3,000	\$ 18,200	\$ 230	\$ 250	\$ 78,792	\$ 473
2895	Pulleyblank Dr	PVC	DistMain	SS275	200	139.7	2017	80	6	74	\$ 82,300	\$ 18,000	\$ 100,300	\$ 1,260	\$ 1,360	\$ 434,224	\$ 2,609
2896	Pulleyblank Dr	PVC	DistMain	SS279	200	160.1	2017	80	6	74	\$ 94,400	\$ 6,000	\$ 100,400	\$ 1,260	\$ 1,360	\$ 434,657	\$ 2,611
2897	Crowder Crt	PVC	DistMain	SS280	200	6.1	2017	80	6	74	\$ 3,700	\$ -	\$ 3,700	\$ 50	\$ 50	\$ 16,018	\$ 96
2898	Pulleyblank Dr	PVC	DistMain	SS281	200	140.1	2017	80	6	74	\$ 82,500	\$ 9,000	\$ 91,500	\$ 1,150	\$ 1,240	\$ 396,126	\$ 2,380
2899	Pulleyblank Dr	PVC	DistMain	SS281	200	71.7	2017	80	6	74	\$ 42,300	\$ 6,000	\$ 48,300	\$ 610	\$ 660	\$ 209,103	\$ 1,256
2902	Tecumseh Rd	PVC	DistMain	SC068	250	29.9	1980	80	6	74	\$ 18,500	\$ 3,000	\$ 21,500	\$ 270	\$ 300	\$ 93,079	\$ 559
2903	Tecumseh Rd	PVC	DistMain	SC083	250	70.1	1980	80	6	74	\$ 43,400	\$ 6,000	\$ 49,400	\$ 620	\$ 670	\$ 213,865	\$ 1,285
2904	Tecumseh Rd	PVC	DistMain	SC084	250	81.8	1980	80	6	74	\$ 50,700	\$ -	\$ 50,700	\$ 640	\$ 690	\$ 219,493	\$ 1,319
2905	St Pierre St	CI	DistMain	T129	150	291.3	1978	80	6	74	\$ 144,800	\$ 110,600	\$ 255,400	\$ 3,200	\$ 3,460	\$ 1,105,691	\$ 6,642
2906	Intersection Rd	PVC	DistMain	SS028	150	2.8	2016	80	6	74	\$ 1,500	\$ -	\$ 1,500	\$ 20	\$ 30	\$ 6,494	\$ 39
2907	Intersection Rd	PVC	DistMain	SS028	150	11.7	2016	80	6	74	\$ 5,900	\$ -	\$ 5,900	\$ 80	\$ 80	\$ 25,543	\$ 153
2908	St Anne St	PVC	DistMain	SS056	150	3.1	2016	80	6	74	\$ 1,600	\$ -	\$ 1,600	\$ 20	\$ 30	\$ 6,927	\$ 42
2909	St Anne St	PVC	DistMain	SS029	150	5.1	2016	80	6	74	\$ 2,600	\$ -	\$ 2,600	\$ 40	\$ 40	\$ 11,256	\$ 68
2910	Intersection Rd	PVC	DistMain	SS028	200	89.5	2016	80	6	74	\$ 52,800	\$ 6,000	\$ 58,800	\$ 740	\$ 800	\$ 254,560	\$ 1,529
2912	St Anne St	PVC	DistMain	SS029	200	7.0	2016	80	6	74	\$ 4,200	\$ -	\$ 4,200	\$ 60	\$ 60	\$ 18,183	\$ 109
2913	Intersection Rd	PVC	DistMain	SS028	200	99.5	2016	80	6	74	\$ 58,600	\$ 15,000	\$ 73,600	\$ 920	\$ 1,000	\$ 318,633	\$ 1,914
2914	St Pierre St	CI	DistMain	T129	150	122.8	1978	80	6	74	\$ 61,100	\$ 41,900	\$ 103,000	\$ 1,290	\$ 1,400	\$ 445,913	\$ 2,679
2915	Roscon Industrial Dr	PE	DistMain	SS283	150	60.2	1999	60	6	54	\$ 29,900	\$ -	\$ 29,900	\$ 380	\$ 560	\$ 87,112	\$ 911
2916	Roscon Industrial Dr	PVC	DistMain	SS283	150	182.7	2019	80	6	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2917	Alden Cres	PVC	DistMain	SC051	150	49.6	2019	80	6	74	\$ 24,700	\$ -	\$ 24,700	\$ 310	\$ 340	\$ 106,932	\$ 642
2918	Alden Cres	PVC	DistMain	SC051	150	1.0	2019	80	6	74	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 2,165	\$ 13

**Appendix G-2
Watermain Inventory**

GIS Database											2021 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				
2919	Alden Cres	PVC	DistMain	SC051	150	1.0	2019	80	6	74	\$ 600	\$ -	\$ 600	\$ 10	\$ 10	\$ 2,598	\$ 16
2920	Alden Cres	PVC	DistMain	SC051	100	31.7	2019	80	6	74	\$ 13,900	\$ 9,000	\$ 22,900	\$ 290	\$ 310	\$ 99,140	\$ 596
2921	Alden Cres	PVC	DistMain	SC052	100	25.1	2019	80	6	74	\$ 11,000	\$ 9,000	\$ 20,000	\$ 250	\$ 280	\$ 86,585	\$ 520
2922	Lacasse Blvd	PVC	DistMain	T157	150	140.3	2018	80	6	74	\$ 69,800	\$ 6,000	\$ 75,800	\$ 950	\$ 1,030	\$ 328,157	\$ 1,971
2924	Lacasse Blvd	PVC	DistMain	T157	150	110.8	2018	80	6	74	\$ 55,100	\$ 3,000	\$ 58,100	\$ 730	\$ 790	\$ 251,529	\$ 1,511
2926	Shields Rd	PVC	DistMain	SS126	150	10.6	2009	80	6	74	\$ 5,300	\$ 3,000	\$ 8,300	\$ 110	\$ 120	\$ 35,933	\$ 216
2927	Hayes Ave	PVC	DistMain	SC046	150	61.5	2019	80	6	74	\$ 30,600	\$ -	\$ 30,600	\$ 390	\$ 420	\$ 132,475	\$ 796
2928	Mack Crt	PVC	DistMain	SC047	100	30.2	2019	80	6	74	\$ 13,200	\$ 6,000	\$ 19,200	\$ 240	\$ 260	\$ 83,122	\$ 499
2929	Mack Crt	PVC	DistMain	SC047	100	31.8	2019	80	6	74	\$ 13,900	\$ 9,000	\$ 22,900	\$ 290	\$ 310	\$ 99,140	\$ 596
2930	Hayes Ave	PVC	DistMain	SC048	150	82.5	2019	80	6	74	\$ 41,000	\$ -	\$ 41,000	\$ 520	\$ 560	\$ 177,499	\$ 1,066
2931	Arlington Blvd	PVC	DistMain	SC066	150	0.9	2019	80	6	74	\$ 500	\$ -	\$ 500	\$ 10	\$ 10	\$ 2,165	\$ 13
2932	Arlington Blvd	PVC	DistMain	SC067	150	0.5	2019	80	6	74	\$ 300	\$ -	\$ 300	\$ 10	\$ 10	\$ 1,299	\$ 8
2934	Tecumseh Rd	PVC	DistMain	SC068	250	2.2	2018	80	6	74	\$ 1,400	\$ -	\$ 1,400	\$ 20	\$ 20	\$ 6,061	\$ 36
2935	Tecumseh Rd	PVC	DistMain	SC083	150	23.6	2019	80	6	74	\$ 11,800	\$ -	\$ 11,800	\$ 150	\$ 160	\$ 51,085	\$ 307
2936	Tecumseh Rd	PVC	DistMain	SC083	150	3.9	2019	80	6	74	\$ 2,000	\$ -	\$ 2,000	\$ 30	\$ 30	\$ 8,659	\$ 52
2937	Arlington Blvd	PVC	DistMain	SC085	250	7.8	2019	80	6	74	\$ 4,900	\$ -	\$ 4,900	\$ 70	\$ 70	\$ 21,213	\$ 127
2938	Arlington Blvd	PVC	DistMain	SC085	150	5.2	2019	80	6	74	\$ 2,600	\$ -	\$ 2,600	\$ 40	\$ 40	\$ 11,256	\$ 68
2941	Lacasse Blvd	PVC	DistMain	T157	150	34.6	2019	80	6	74	\$ 17,300	\$ -	\$ 17,300	\$ 220	\$ 240	\$ 74,896	\$ 450
2942	Brenda Cres	PVC	DistMain	T162	150	7.4	2019	80	6	74	\$ 3,700	\$ -	\$ 3,700	\$ 50	\$ 50	\$ 16,018	\$ 96
2950	Howard Ave	PVC	DistMain	SS326	250	180.6	2012	80	6	74	\$ 111,800	\$ -	\$ 111,800	\$ 1,400	\$ 1,520	\$ 484,010	\$ 2,908
2955	South Talbot Rd	PVC	DistMain	SS329	200	1.5	2020	80	6	74	\$ 900	\$ -	\$ 900	\$ 20	\$ 20	\$ 3,896	\$ 23
2957	Walker Rd	PVC	DistMain	SS359	200	3.0	2020	80	6	74	\$ 1,800	\$ -	\$ 1,800	\$ 30	\$ 30	\$ 7,793	\$ 47
2959	Shields Rd	PVC	DistMain	SS126	300	13.9	2009	80	6	74	\$ 9,400	\$ -	\$ 9,400	\$ 120	\$ 130	\$ 40,695	\$ 244
2964	Highway 2	PVC	DistMain	T_SS00	400	0.9	1989	80	6	74	\$ 1,000	\$ -	\$ 1,000	\$ 20	\$ 20	\$ 4,329	\$ 26
2965	Walker Rd	PVC	DistMain	SS331	200	3.1	2020	80	6	74	\$ 1,900	\$ -	\$ 1,900	\$ 30	\$ 30	\$ 8,226	\$ 49
2966	Howard Ave	PVC	DistMain	SS324	400	35.9	2012	80	6	74	\$ 36,400	\$ -	\$ 36,400	\$ 460	\$ 500	\$ 157,585	\$ 947
2967	Howard Ave	PVC	DistMain	SS324	200	10.6	2012	80	6	74	\$ 6,300	\$ -	\$ 6,300	\$ 80	\$ 90	\$ 27,274	\$ 164
Totals											\$ 130,095,100	\$ 22,662,100	\$ 152,757,200	\$ 1,917,780	\$ 4,136,760	\$ 416,042,993	\$ 5,895,114

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 Structure	Gauthier Drive	1972	50	51	0	\$ 1,800,000	\$ 36,000	\$ 36,000	\$ 4,844,858	\$ 57,282
Pump Station	Cedarwood Pump Station Mechanical/Electrical	Gauthier Drive	1986	20	37	0	\$ 990,000	\$ 49,500	\$ 49,500	\$ 1,471,088	\$ 60,545
Pump Station	Cedarwood Pump Station SCADA	Gauthier Drive	2010	10	13	0	\$ 210,000	\$ 21,000	\$ 21,000	\$ 255,989	\$ 23,379
Pump Station	Lakewood Pump Station Structure	Lakewood Park South	2015	50	8	42	\$ 800,000	\$ 16,000	\$ 19,048	\$ 1,837,796	\$ 28,334
Pump Station	Lakewood Pump Station Mechanical/Electrical	Lakewood Park South	2015	20	8	12	\$ 1,014,000	\$ 50,700	\$ 84,500	\$ 1,285,997	\$ 95,883
Pump Station	Lakewood Pump Station SCADA	Lakewood Park South	2015	10	8	2	\$ 186,000	\$ 18,600	\$ 93,000	\$ 193,514	\$ 95,799
Pump Station	St. Alphonse Pump Station Structure	St. Alphonse/CR 42	1973	50	50	0	\$ 325,000	\$ 6,500	\$ 6,500	\$ 874,766	\$ 10,343
Pump Station	St. Alphonse Pump Station Mechanical/Electrical	St. Alphonse/CR 42	2011	20	12	8	\$ 375,000	\$ 18,750	\$ 46,875	\$ 439,372	\$ 51,191
Pump Station	Sylvestre Pump Station Mechanical/Electrical	Sylvestre Drive	1996	50	27	23	\$ 280,000	\$ 5,600	\$ 12,174	\$ 441,532	\$ 15,307
Pump Station	Sylvestre Pump Station Mechanical/Electrical	Sylvestre Drive	1996	20	27	0	\$ 320,000	\$ 16,000	\$ 16,000	\$ 475,503	\$ 19,570
Metering Station	Cedarwood Metering Station	Access off Rendezvous Drive	1972	50	51	0	\$ 75,000	\$ 1,500	\$ 1,500	\$ 201,869	\$ 2,387
Flume (Relief Sewer Meter)	County Road 22 Flume Structure	County Road 22	2010	50	13	37	\$ 75,000	\$ 1,500	\$ 2,027	\$ 156,051	\$ 2,888
Flume (Relief Sewer Meter)	County Road 22 Flume SCADA Equipment	County Road 22	2010	10	13	0	\$ 81,000	\$ 8,100	\$ 8,100	\$ 98,739	\$ 9,017
Flume (Relief Sewer Meter)	North Talbot Rd Flume Structure	North Talbot Rd	2012	50	11	39	\$ 75,000	\$ 1,500	\$ 1,923	\$ 162,356	\$ 2,788
Flume (Relief Sewer Meter)	North Talbot Rd Flume SCADA Equipment	North Talbot Rd	2012	10	11	0	\$ 81,000	\$ 8,100	\$ 8,100	\$ 98,739	\$ 9,017
Flume (Relief Sewer Meter)	8th Concession Rd Flume Structure	8th Concession Rd	2013	50	10	40	\$ 110,000	\$ 2,200	\$ 2,750	\$ 242,884	\$ 4,021
Flume (Relief Sewer Meter)	8th Concession Rd Flume SCADA Equipment	8th Concession Rd	2013	10	10	0	\$ 120,000	\$ 12,000	\$ 12,000	\$ 146,279	\$ 13,359
Environmental Building ³	Equipment Garage Structure	1189 Lacasse Blvd.	1985	50	38	12	\$ 213,050	\$ 4,261	\$ 17,754	\$ 270,199	\$ 20,146
Environmental Building ³	Equipment Garage Roof	1189 Lacasse Blvd.	1985	20	38	0	\$ 92,750	\$ 4,638	\$ 4,638	\$ 137,822	\$ 5,672
Environmental Building ³	Equipment Garage HVAC	1189 Lacasse Blvd.	2007	20	16	4	\$ 6,800	\$ 340	\$ 1,700	\$ 7,361	\$ 1,786
Environmental Building ³	Office Structure	1189 Lacasse Blvd.	1996	50	27	23	\$ 379,950	\$ 7,599	\$ 16,520	\$ 599,143	\$ 20,771
Environmental Building ³	Office Roof	1189 Lacasse Blvd.	1996	20	27	0	\$ 51,450	\$ 2,573	\$ 2,573	\$ 76,452	\$ 3,147
Environmental Building ³	Office HVAC	1189 Lacasse Blvd.	1996	20	27	0	\$ 20,300	\$ 1,015	\$ 1,015	\$ 30,165	\$ 1,241
Environmental Building ³	Office HVAC 10 Ton Unit	1189 Lacasse Blvd.	2011	20	12	8	\$ 6,300	\$ 315	\$ 788	\$ 7,381	\$ 860
Environmental Building ³	Office Windows	1189 Lacasse Blvd.	2018	25	5	20	\$ 3,300	\$ 132	\$ 165	\$ 4,904	\$ 202
Environmental Building ³	Garage Exhaust System	1189 Lacasse Blvd.	2020	20	3	17	\$ 10,850	\$ 543	\$ 638	\$ 15,193	\$ 759
Totals							\$ 7,701,750	\$ 294,965	\$ 466,786	\$ 14,375,951	\$ 555,695

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											2021 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				
1	Cedarwood Dr	CONC	Gravity	T105	1050	100.8	1974	65	49	16	\$ 239,900	\$ 23,700	\$ 78,200	\$ 341,800	\$ 5,258	\$ 21,363	\$ 469,218	\$ 25,174
2	Gauthier Dr	CONC	Gravity	T104	900	25.1	1974	65	49	16	\$ 38,100	\$ 11,900	\$ -	\$ 50,000	\$ 769	\$ 3,125	\$ 68,639	\$ 3,683
3	Gauthier Dr	CONC	Gravity	T104	900	13.5	1974	65	49	16	\$ 20,500	\$ 11,900	\$ -	\$ 32,400	\$ 498	\$ 2,025	\$ 44,478	\$ 2,386
4	Gauthier Dr	CONC	Gravity	T104	900	13.8	1974	65	49	16	\$ 21,000	\$ 11,900	\$ -	\$ 32,900	\$ 506	\$ 2,056	\$ 45,165	\$ 2,423
5	Gauthier Dr	CONC	Gravity	T104	1050	16.8	1974	65	49	16	\$ 30,100	\$ 11,900	\$ -	\$ 42,000	\$ 646	\$ 2,625	\$ 57,657	\$ 3,093
6	Gauthier Dr	CONC	Gravity	T104	1050	36.5	1974	65	49	16	\$ 86,900	\$ 23,700	\$ -	\$ 110,600	\$ 1,702	\$ 6,913	\$ 151,830	\$ 8,146
7	Cedarwood Dr	CONC	Gravity	T105	1050	98.0	1974	65	49	16	\$ 233,100	\$ 23,700	\$ 85,300	\$ 342,100	\$ 5,263	\$ 21,381	\$ 469,630	\$ 25,196
8	Cedarwood Dr	CONC	Gravity	T105	1050	96.8	1974	65	49	16	\$ 230,400	\$ 23,700	\$ 42,700	\$ 296,800	\$ 4,566	\$ 18,550	\$ 407,443	\$ 21,859
9	Lesperance Rd	CONC	Gravity	T106	900	32.3	1974	65	49	16	\$ 65,000	\$ 23,700	\$ 14,200	\$ 102,900	\$ 1,583	\$ 6,431	\$ 141,260	\$ 7,579
10	Wood St	CONC	Gravity	T058	900	60.8	1974	65	49	16	\$ 122,500	\$ 23,700	\$ 7,100	\$ 153,300	\$ 2,358	\$ 9,581	\$ 210,448	\$ 11,291
11	Wood St	CONC	Gravity	T058	900	59.1	1974	65	49	16	\$ 119,100	\$ 23,700	\$ -	\$ 142,800	\$ 2,197	\$ 8,925	\$ 196,034	\$ 10,517
12	St Pierre St	CONC	Force	T059	900	77.2	1974	65	49	16	\$ 155,600	\$ 23,700	\$ 42,500	\$ 221,800	\$ 3,412	\$ 13,863	\$ 304,484	\$ 16,336
13	Little River Blvd	CONC	Gravity	T061	900	61.7	1974	65	49	16	\$ 124,300	\$ 23,700	\$ 7,100	\$ 155,100	\$ 2,386	\$ 9,694	\$ 212,919	\$ 11,423
14	Little River Blvd	CONC	Gravity	T061	900	114.6	1974	65	49	16	\$ 230,800	\$ 27,600	\$ 42,500	\$ 300,900	\$ 4,629	\$ 18,806	\$ 413,071	\$ 22,161
15	Little River Blvd	CONC	Gravity	T079	900	76.8	1974	65	49	16	\$ 154,700	\$ 27,600	\$ 35,500	\$ 217,800	\$ 3,351	\$ 13,613	\$ 298,993	\$ 16,041
16	Little River Blvd	CONC	Gravity	T079	900	79.7	1974	65	49	16	\$ 160,600	\$ 27,600	\$ 42,500	\$ 230,700	\$ 3,549	\$ 14,419	\$ 316,702	\$ 16,991
17	Little River Blvd	CONC	Gravity	T079	900	76.7	1974	65	49	16	\$ 130,700	\$ 25,200	\$ 27,100	\$ 183,000	\$ 2,815	\$ 11,438	\$ 251,220	\$ 13,478
18	Little River Blvd	CONC	Gravity	T080	750	77.2	1974	65	49	16	\$ 107,100	\$ 25,200	\$ 26,900	\$ 159,200	\$ 2,449	\$ 9,950	\$ 218,547	\$ 11,725
19	Little River Blvd	CONC	Gravity	T081	750	74.4	1974	65	49	16	\$ 103,100	\$ 25,200	\$ 33,700	\$ 162,000	\$ 2,492	\$ 10,125	\$ 222,391	\$ 11,931
20	Little River Blvd	CONC	Gravity	T083	750	49.9	1974	65	49	16	\$ 69,200	\$ 25,200	\$ 20,200	\$ 114,600	\$ 1,763	\$ 7,163	\$ 157,321	\$ 8,440
21	Dillon Dr	AC	Gravity	T025	250	111.6	1974	65	49	16	\$ 69,000	\$ 8,700	\$ 35,500	\$ 113,200	\$ 1,742	\$ 7,075	\$ 155,399	\$ 8,337
22	Dillon Dr	AC	Gravity	T026	250	107.1	1974	65	49	16	\$ 66,200	\$ 8,700	\$ 41,500	\$ 116,400	\$ 1,791	\$ 7,275	\$ 159,792	\$ 8,573
23	Dillon Dr	AC	Gravity	T028	300	78.9	1974	65	49	16	\$ 50,900	\$ 8,700	\$ 11,900	\$ 71,500	\$ 1,100	\$ 4,469	\$ 98,154	\$ 5,266
24	Dillon Dr	AC	Gravity	T028	300	51.1	1974	65	49	16	\$ 35,900	\$ 11,900	\$ 18,800	\$ 66,600	\$ 1,025	\$ 4,163	\$ 91,428	\$ 4,905
25	Dillon Dr	AC	Gravity	T028	300	20.7	1974	65	49	16	\$ 14,500	\$ 11,900	\$ -	\$ 26,400	\$ 406	\$ 1,650	\$ 36,242	\$ 1,944
26	Dillon Dr	AC	Gravity	T030	300	30.3	1974	65	49	16	\$ 21,300	\$ 11,900	\$ 12,500	\$ 45,700	\$ 703	\$ 2,856	\$ 62,736	\$ 3,366
27	Dillon Dr	AC	Gravity	T030	300	76.0	1974	65	49	16	\$ 53,200	\$ 11,900	\$ 31,300	\$ 96,400	\$ 1,483	\$ 6,025	\$ 132,337	\$ 7,100
28	Dillon Dr	AC	Gravity	T031	300	89.4	1974	65	49	16	\$ 62,600	\$ 11,900	\$ 37,500	\$ 112,000	\$ 1,723	\$ 7,000	\$ 153,752	\$ 8,249
29	Dillon Dr	AC	Gravity	T031	300	85.4	1974	65	49	16	\$ 59,800	\$ 11,900	\$ 56,200	\$ 127,900	\$ 1,968	\$ 7,994	\$ 175,579	\$ 9,420
30	Dillon Dr	AC	Gravity	T032	300	42.7	1974	65	49	16	\$ 30,000	\$ 11,900	\$ -	\$ 41,900	\$ 645	\$ 2,619	\$ 57,520	\$ 3,086
31	Coronado Dr	AC	Gravity	T067	250	58.7	1974	65	49	16	\$ 39,400	\$ 11,900	\$ 12,500	\$ 63,800	\$ 982	\$ 3,988	\$ 87,584	\$ 4,699
32	Coronado Dr	AC	Gravity	T067	250	58.2	1974	65	49	16	\$ 39,000	\$ 11,900	\$ 31,100	\$ 82,000	\$ 1,262	\$ 5,125	\$ 112,568	\$ 6,039
33	Coronado Dr	AC	Gravity	T068	250	83.5	1974	65	49	16	\$ 51,700	\$ 8,700	\$ 35,500	\$ 95,900	\$ 1,475	\$ 5,994	\$ 131,650	\$ 7,063
34	Coronado Dr	AC	Gravity	T073	250	57.3	1974	65	49	16	\$ 35,400	\$ 8,700	\$ 29,600	\$ 73,700	\$ 1,134	\$ 4,606	\$ 101,174	\$ 5,428
35	Coronado Dr	AC	Gravity	T073	250	49.7	1974	65	49	16	\$ 30,800	\$ 8,700	\$ 11,900	\$ 51,400	\$ 791	\$ 3,213	\$ 70,561	\$ 3,786
36	Coronado Dr	AC	Gravity	T078	250	47.1	1974	65	49	16	\$ 29,200	\$ 8,700	\$ 17,800	\$ 55,700	\$ 857	\$ 3,481	\$ 76,464	\$ 4,102
37	Coronado Dr	AC	Gravity	T078	250	57.5	1974	65	49	16	\$ 43,000	\$ 25,200	\$ -	\$ 68,200	\$ 1,049	\$ 4,263	\$ 93,624	\$ 5,023
38	Burdick Cres	AC	Gravity	T070	250	59.1	1974	65	49	16	\$ 36,500	\$ 8,700	\$ 11,900	\$ 57,100	\$ 878	\$ 3,569	\$ 78,386	\$ 4,205
39	William St	AC	Gravity	T153	300	100.3	1974	65	49	16	\$ 64,800	\$ 8,700	\$ 53,600	\$ 127,100	\$ 1,955	\$ 7,944	\$ 174,481	\$ 9,361
40	William St	AC	Gravity	T199	300	95.8	1974	65	49	16	\$ 61,900	\$ 8,700	\$ 71,400	\$ 142,000	\$ 2,185	\$ 8,875	\$ 194,936	\$ 10,458
41	William St	AC	Gravity	T199	300	97.0	1974	65	49	16	\$ 62,600	\$ 8,700	\$ 65,500	\$ 136,800	\$ 2,105	\$ 8,550	\$ 187,797	\$ 10,075
42	William St	AC	Gravity	T199	300	91.8	1974	65	49	16	\$ 59,300	\$ 8,700	\$ 59,500	\$ 127,500	\$ 1,962	\$ 7,969	\$ 175,030	\$ 9,390
43	William St	AC	Gravity	T216	300	92.0	1974	65	49	16	\$ 59,400	\$ 8,700	\$ 71,400	\$ 139,500	\$ 2,146	\$ 8,719	\$ 191,504	\$ 10,274
44	William St	AC	Gravity	T216	300	98.4	1974	65	49	16	\$ 63,500	\$ 8,700	\$ 83,300	\$ 155,500	\$ 2,392	\$ 9,719	\$ 213,468	\$ 11,453
45	William St	AC	Gravity	T216	300	57.8	1974	65	49	16	\$ 37,300	\$ 8,700	\$ 35,700	\$ 81,700	\$ 1,257	\$ 5,106	\$ 112,157	\$ 6,017
46	McNorton St	AC	Gravity	T200	250	79.6	1974	65	49	16	\$ 49,200	\$ 8,700	\$ 35,500	\$ 93,400	\$ 1,437	\$ 5,838	\$ 128,218	\$ 6,879
47	McNorton St	AC	Gravity	T200	250	74.3	1974	65	49	16	\$ 46,000	\$ 8,700	\$ 17,800	\$ 72,500	\$ 1,115	\$ 4,531	\$ 99,527	\$ 5,340
48	Labute St	AC	Gravity	T155	250	72.4	1974	65	49	16	\$ 48,600	\$ 11,900	\$ 37,300	\$ 97,800	\$ 1,505	\$ 6,113	\$ 134,258	\$ 7,203
49	Labute St	AC	Gravity	T155	250	66.6	1974	65	49	16	\$ 44,700	\$ 11,900	\$ 49,700	\$ 106,300	\$ 1,635	\$ 6,644	\$ 145,927	\$ 7,829
50	Labute St	AC	Gravity	T155	250	85.8	1974	65	49	16	\$ 53,100	\$ 8,700	\$ 59,200	\$ 121,000	\$ 1,862	\$ 7,563	\$ 166,107	\$ 8,912

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
51	St Thomas St	AC	Gravity	T158	300	85.0	1974	65	49	16	\$ 59,600	\$ 11,900	\$ 12,500	\$ 84,000	\$ 1,292	\$ 5,250	\$ 115,314	\$ 6,187
52	St Thomas St	AC	Gravity	T158	300	88.0	1974	65	49	16	\$ 61,700	\$ 11,900	\$ 50,000	\$ 123,600	\$ 1,902	\$ 7,725	\$ 169,676	\$ 9,103
53	St Thomas St	AC	Trunk	T158	300	104.6	1974	65	49	16	\$ 67,500	\$ 8,700	\$ 53,600	\$ 129,800	\$ 1,997	\$ 8,113	\$ 178,188	\$ 9,560
54	St Thomas St	AC	Trunk	T159	300	89.6	1974	65	49	16	\$ 57,800	\$ 8,700	\$ 65,500	\$ 132,000	\$ 2,031	\$ 8,250	\$ 181,208	\$ 9,722
55	Ballard St	AC	Gravity	T205	300	108.8	1974	65	49	16	\$ 76,200	\$ 11,900	\$ 31,300	\$ 119,400	\$ 1,837	\$ 7,463	\$ 163,911	\$ 8,794
56	Ballard St	AC	Gravity	T205	300	112.7	1974	65	49	16	\$ 78,900	\$ 11,900	\$ 43,800	\$ 134,600	\$ 2,071	\$ 8,413	\$ 184,777	\$ 9,913
57	Clarice Ave	AC	Gravity	T202	300	88.6	1974	65	49	16	\$ 62,100	\$ 11,900	\$ 37,500	\$ 111,500	\$ 1,715	\$ 6,969	\$ 153,066	\$ 8,212
58	Clarice Ave	AC	Gravity	T202	300	88.8	1974	65	49	16	\$ 62,200	\$ 11,900	\$ 43,800	\$ 117,900	\$ 1,814	\$ 7,369	\$ 161,851	\$ 8,683
59	Clarice Ave	AC	Gravity	T202	300	107.6	1974	65	49	16	\$ 75,300	\$ 11,900	\$ 43,800	\$ 131,000	\$ 2,015	\$ 8,188	\$ 179,835	\$ 9,648
60	Clarice Ave	AC	Gravity	T202	300	84.3	1974	65	49	16	\$ 54,400	\$ 8,700	\$ 35,700	\$ 98,800	\$ 1,520	\$ 6,175	\$ 135,631	\$ 7,277
61	St Denis St	AC	Gravity	T213	250	66.3	1974	65	49	16	\$ 41,000	\$ 8,700	\$ 35,500	\$ 85,200	\$ 1,311	\$ 5,325	\$ 116,961	\$ 6,275
62	St Denis St	AC	Gravity	T215	250	57.2	1974	65	49	16	\$ 35,400	\$ 8,700	\$ 35,500	\$ 79,600	\$ 1,225	\$ 4,975	\$ 109,274	\$ 5,863
63	St Denis St	AC	Gravity	T217	250	76.0	1974	65	49	16	\$ 51,000	\$ 11,900	\$ 12,500	\$ 75,400	\$ 1,160	\$ 4,713	\$ 103,508	\$ 5,553
64	St Denis St	AC	Gravity	T217	250	71.8	1974	65	49	16	\$ 48,200	\$ 11,900	\$ 24,900	\$ 85,000	\$ 1,308	\$ 5,313	\$ 116,687	\$ 6,260
65	Lachance Crt	AC	Gravity	T246	250	60.8	1974	65	49	16	\$ 40,800	\$ 11,900	\$ 18,700	\$ 71,400	\$ 1,098	\$ 4,463	\$ 98,017	\$ 5,259
66	Lachance Crt	AC	Gravity	T246	250	73.3	1974	65	49	16	\$ 49,200	\$ 11,900	\$ 93,200	\$ 154,300	\$ 2,374	\$ 9,644	\$ 211,821	\$ 11,364
67	St Jacques St	AC	Relief	T210	250	101.9	1974	65	49	16	\$ 63,000	\$ 8,700	\$ 82,900	\$ 154,600	\$ 2,378	\$ 9,663	\$ 212,233	\$ 11,386
68	St Jacques St	AC	Relief	T210	250	99.4	1974	65	49	16	\$ 61,500	\$ 8,700	\$ 53,300	\$ 123,500	\$ 1,900	\$ 7,719	\$ 169,539	\$ 9,096
69	Tecumseh Rd	AC	Gravity	T261	250	95.4	1974	65	49	16	\$ 59,000	\$ 8,700	\$ 35,500	\$ 103,200	\$ 1,588	\$ 6,450	\$ 141,671	\$ 7,601
79	Little River Blvd	CONC	Gravity	T091	750	107.4	1974	65	49	16	\$ 148,900	\$ 25,200	\$ 47,100	\$ 221,200	\$ 3,403	\$ 13,825	\$ 303,660	\$ 16,291
80	Little River Blvd	CONC	Gravity	T094	750	67.7	1974	65	49	16	\$ 93,800	\$ 25,200	\$ 33,700	\$ 152,700	\$ 2,349	\$ 9,544	\$ 209,624	\$ 11,246
81	Little River Blvd	CONC	Gravity	T095	750	87.8	1974	65	49	16	\$ 121,700	\$ 25,200	\$ 13,500	\$ 160,400	\$ 2,468	\$ 10,025	\$ 220,195	\$ 11,813
82	Little River Blvd	CONC	Gravity	T097	675	90.8	1974	65	49	16	\$ 110,300	\$ 25,200	\$ 6,800	\$ 142,300	\$ 2,189	\$ 8,894	\$ 195,347	\$ 10,480
83	Little River Blvd	CONC	Gravity	T098	675	91.3	1974	65	49	16	\$ 99,000	\$ 22,900	\$ 25,700	\$ 147,600	\$ 2,271	\$ 9,225	\$ 202,623	\$ 10,871
84	Little River Blvd	CONC	Gravity	T100	600	73.4	1974	65	49	16	\$ 70,300	\$ 22,900	\$ 12,900	\$ 106,100	\$ 1,632	\$ 6,631	\$ 145,653	\$ 7,814
85	Little River Blvd	CONC	Gravity	T103	600	96.1	1974	65	49	16	\$ 92,000	\$ 22,900	\$ 12,900	\$ 127,800	\$ 1,966	\$ 7,988	\$ 175,442	\$ 9,412
86	Manning Rd	AC	Gravity	T_SC001	300	81.4	1974	65	49	16	\$ 57,100	\$ 11,900	\$ 12,500	\$ 81,500	\$ 1,254	\$ 5,094	\$ 111,882	\$ 6,002
87	Manning Rd	AC	Gravity	T_SC001	300	81.4	1974	65	49	16	\$ 57,100	\$ 11,900	\$ 25,000	\$ 94,000	\$ 1,446	\$ 5,875	\$ 129,042	\$ 6,923
88	Manning Rd	AC	Gravity	T_SC001	300	79.7	1974	65	49	16	\$ 55,800	\$ 11,900	\$ 18,800	\$ 86,500	\$ 1,331	\$ 5,406	\$ 118,746	\$ 6,371
89	Manning Rd	AC	Gravity	T_SC001	300	93.8	1974	65	49	16	\$ 60,500	\$ 8,700	\$ 29,800	\$ 99,000	\$ 1,523	\$ 6,188	\$ 135,906	\$ 7,291
90	Manning Rd	AC	Gravity	T_SC001	300	101.5	1974	65	49	16	\$ 65,500	\$ 8,700	\$ 23,800	\$ 98,000	\$ 1,508	\$ 6,125	\$ 134,533	\$ 7,218
91	Manning Rd	AC	Gravity	T_SC002	300	107.8	1974	65	49	16	\$ 75,500	\$ 11,900	\$ 25,000	\$ 112,400	\$ 1,729	\$ 7,025	\$ 154,301	\$ 8,278
92	Manning Rd	AC	Gravity	T_SC002	300	58.1	1974	65	49	16	\$ 40,700	\$ 11,900	\$ 6,300	\$ 58,900	\$ 906	\$ 3,681	\$ 80,857	\$ 4,338
93	Manning Rd	AC	Gravity	T_SC002	300	79.8	1974	65	49	16	\$ 51,500	\$ 8,700	\$ 29,800	\$ 90,000	\$ 1,385	\$ 5,625	\$ 123,551	\$ 6,629
94	Riverside Dr E	AC	Gravity	T010	250	91.5	1974	65	49	16	\$ 56,600	\$ 8,700	\$ 59,200	\$ 124,500	\$ 1,915	\$ 7,781	\$ 170,912	\$ 9,169
97	Tecumseh Rd	AC	Gravity	T267	250	118.5	1974	65	49	16	\$ 79,500	\$ 11,900	\$ 37,300	\$ 128,700	\$ 1,980	\$ 8,044	\$ 176,678	\$ 9,479
98	Tecumseh Rd	AC	Gravity	T267	250	20.2	1974	65	49	16	\$ 13,600	\$ 11,900	\$ 6,300	\$ 31,800	\$ 489	\$ 1,988	\$ 43,655	\$ 2,342
99	Roxbury Cres	PVC	Gravity	T111	200	89.0	1987	65	36	29	\$ 58,600	\$ 11,900	\$ 37,300	\$ 107,800	\$ 1,658	\$ 3,717	\$ 191,436	\$ 4,935
100	Tecumseh Rd	AC	Gravity	T267	250	97.9	1974	65	49	16	\$ 65,600	\$ 11,900	\$ 31,100	\$ 108,600	\$ 1,671	\$ 6,788	\$ 149,085	\$ 7,998
101	Tecumseh Rd	AC	Gravity	T314	250	16.9	1974	65	49	16	\$ 11,400	\$ 11,900	\$ -	\$ 23,300	\$ 358	\$ 1,456	\$ 31,986	\$ 1,716
102	Shawnee Rd	AC	Gravity	T287	250	45.7	1974	65	49	16	\$ 30,700	\$ 11,900	\$ 6,300	\$ 48,900	\$ 752	\$ 3,056	\$ 67,129	\$ 3,601
103	Shawnee Rd	AC	Gravity	T287	250	93.9	1974	65	49	16	\$ 63,000	\$ 11,900	\$ 43,500	\$ 118,400	\$ 1,822	\$ 7,400	\$ 162,538	\$ 8,720
104	Shawnee Rd	AC	Gravity	T287	250	94.5	1974	65	49	16	\$ 58,400	\$ 8,700	\$ 71,000	\$ 138,100	\$ 2,125	\$ 8,631	\$ 189,582	\$ 10,171
105	Shawnee Rd	AC	Gravity	T287	250	87.6	1974	65	49	16	\$ 58,700	\$ 11,900	\$ 49,700	\$ 120,300	\$ 1,851	\$ 7,519	\$ 165,146	\$ 8,860
106	Shawnee Rd	AC	Gravity	T284	250	95.9	1974	65	49	16	\$ 59,300	\$ 8,700	\$ 53,300	\$ 121,300	\$ 1,866	\$ 7,581	\$ 166,519	\$ 8,934
107	Shawnee Rd	AC	Gravity	T283	250	86.8	1974	65	49	16	\$ 53,700	\$ 8,700	\$ 47,400	\$ 109,800	\$ 1,689	\$ 6,863	\$ 150,732	\$ 8,087
108	Arbour St	AC	Gravity	T285	250	74.9	1974	65	49	16	\$ 46,300	\$ 8,700	\$ 53,300	\$ 108,300	\$ 1,666	\$ 6,769	\$ 148,673	\$ 7,976
109	Arbour St	AC	Gravity	T285	250	81.7	1974	65	49	16	\$ 54,800	\$ 11,900	\$ 12,500	\$ 79,200	\$ 1,218	\$ 4,950	\$ 108,725	\$ 5,833
111	Grace Rd	AC	Gravity	T101	300	100.2	1974	65	49	16	\$ 70,200	\$ 11,900	\$ 56,200	\$ 138,300	\$ 2,128	\$ 8,644	\$ 189,856	\$ 10,186
112	Grace Rd	AC	Gravity	T101	300	98.0	1974	65	49	16	\$ 68,700	\$ 11,900	\$ 43,800	\$ 124,400	\$ 1,914	\$ 7,775	\$ 170,775	\$ 9,162

**Appendix H-2
Wastewater Sewer Inventory**

GIS Database											2021 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				
113	Grace Rd	AC	Gravity	T101	300	97.1	1974	65	49	16	\$ 68,000	\$ 11,900	\$ 37,500	\$ 117,400	\$ 1,806	\$ 7,338	\$ 161,165	\$ 8,647
114	Grace Rd	AC	Gravity	T101	300	79.1	1974	65	49	16	\$ 55,400	\$ 22,900	\$ 18,800	\$ 97,100	\$ 1,494	\$ 6,069	\$ 133,297	\$ 7,151
115	Grace Rd	AC	Gravity	T101	300	79.7	1974	65	49	16	\$ 55,900	\$ 11,900	\$ 68,700	\$ 136,500	\$ 2,100	\$ 8,531	\$ 187,385	\$ 10,053
116	Grace Rd	AC	Gravity	T101	300	79.8	1974	65	49	16	\$ 55,900	\$ 11,900	\$ 37,500	\$ 105,300	\$ 1,620	\$ 6,581	\$ 144,554	\$ 7,755
117	Grace Rd	AC	Gravity	T101	300	23.9	1974	65	49	16	\$ 16,800	\$ 11,900	\$ 12,500	\$ 41,200	\$ 634	\$ 2,575	\$ 56,559	\$ 3,034
118	Grace Rd	AC	Gravity	T181	300	83.2	1974	65	49	16	\$ 58,300	\$ 22,900	\$ 37,500	\$ 118,700	\$ 1,826	\$ 7,419	\$ 162,950	\$ 8,742
119	Arbour St	PVC	Gravity	T286	250	101.0	1992	65	31	34	\$ 67,700	\$ 11,900	\$ 18,700	\$ 98,300	\$ 1,512	\$ 2,891	\$ 192,734	\$ 4,012
120	Grace Rd	AC	Gravity	T181	300	81.4	1974	65	49	16	\$ 57,000	\$ 11,900	\$ 50,000	\$ 118,900	\$ 1,829	\$ 7,431	\$ 163,224	\$ 8,757
121	Grace Rd	AC	Gravity	T181	300	85.1	1974	65	49	16	\$ 59,600	\$ 11,900	\$ 68,700	\$ 140,200	\$ 2,157	\$ 8,763	\$ 192,465	\$ 10,326
122	Riverside Dr E	AC	Gravity	T005	250	60.0	1974	65	49	16	\$ 40,200	\$ 11,900	\$ 37,300	\$ 89,400	\$ 1,375	\$ 5,588	\$ 122,727	\$ 6,584
123	Riverside Dr E	AC	Gravity	T008	250	94.9	1974	65	49	16	\$ 58,700	\$ 8,700	\$ 41,500	\$ 108,900	\$ 1,675	\$ 6,806	\$ 149,496	\$ 8,020
124	Riverside Dr E	AC	Gravity	T007	250	57.4	1974	65	49	16	\$ 35,500	\$ 8,700	\$ 35,500	\$ 79,700	\$ 1,226	\$ 4,981	\$ 109,411	\$ 5,870
125	Riverside Dr E	AC	Gravity	T007	250	64.9	1974	65	49	16	\$ 40,200	\$ 8,700	\$ 29,600	\$ 78,500	\$ 1,208	\$ 4,906	\$ 107,764	\$ 5,782
126	Riverside Dr E	AC	Gravity	T007	250	19.5	1974	65	49	16	\$ 12,100	\$ 8,700	-	\$ 20,800	\$ 320	\$ 1,300	\$ 28,554	\$ 1,532
127	Riverside Dr E	AC	Gravity	T006	250	56.6	1974	65	49	16	\$ 35,000	\$ 8,700	\$ 17,800	\$ 61,500	\$ 946	\$ 3,844	\$ 84,426	\$ 4,529
128	Riverside Dr E	AC	Gravity	T006	250	59.2	1974	65	49	16	\$ 39,700	\$ 11,900	\$ 31,100	\$ 82,700	\$ 1,272	\$ 5,169	\$ 113,529	\$ 6,091
129	Riverside Dr E	AC	Gravity	T010	250	88.3	1974	65	49	16	\$ 54,600	\$ 8,700	\$ 29,600	\$ 92,900	\$ 1,429	\$ 5,806	\$ 127,532	\$ 6,842
130	Riverside Dr E	AC	Gravity	T011	250	102.5	1974	65	49	16	\$ 63,400	\$ 8,700	\$ 35,500	\$ 107,600	\$ 1,655	\$ 6,725	\$ 147,712	\$ 7,925
131	Riverside Dr E	AC	Gravity	T012	250	100.8	1974	65	49	16	\$ 67,600	\$ 11,900	\$ 49,700	\$ 129,200	\$ 1,988	\$ 8,075	\$ 177,364	\$ 9,516
132	Dillon Dr	PVC	Gravity	T017	200	76.5	1987	65	36	29	\$ 46,400	\$ 8,700	\$ 35,500	\$ 90,600	\$ 1,394	\$ 3,124	\$ 160,892	\$ 4,148
133	Burdick Cres	AC	Gravity	T070	250	94.5	1974	65	49	16	\$ 58,500	\$ 8,700	\$ 23,700	\$ 90,900	\$ 1,398	\$ 5,681	\$ 124,786	\$ 6,695
134	Burdick Cres	AC	Gravity	T075	250	52.1	1974	65	49	16	\$ 32,200	\$ 8,700	\$ 6,000	\$ 46,900	\$ 722	\$ 2,931	\$ 64,384	\$ 3,454
135	Burdick Cres	AC	Gravity	T075	250	42.7	1974	65	49	16	\$ 26,500	\$ 8,700	\$ 23,700	\$ 58,900	\$ 906	\$ 3,681	\$ 80,857	\$ 4,338
136	Burdick Cres	AC	Gravity	T075	250	50.2	1974	65	49	16	\$ 31,100	\$ 8,700	\$ 29,600	\$ 69,400	\$ 1,068	\$ 4,338	\$ 95,271	\$ 5,111
137	Burdick Cres	AC	Gravity	T075	250	52.9	1974	65	49	16	\$ 32,800	\$ 8,700	\$ 17,800	\$ 59,300	\$ 912	\$ 3,706	\$ 81,406	\$ 4,367
138	Barry Ave	AC	Gravity	T033	300	86.1	1974	65	49	16	\$ 60,300	\$ 11,900	\$ 18,800	\$ 91,000	\$ 1,400	\$ 5,688	\$ 124,923	\$ 6,702
139	Barry Ave	AC	Gravity	T077	250	98.9	1974	65	49	16	\$ 61,200	\$ 8,700	\$ 23,700	\$ 93,600	\$ 1,440	\$ 5,850	\$ 128,493	\$ 6,894
140	Barry Ave	AC	Gravity	T077	250	93.7	1974	65	49	16	\$ 57,900	\$ 8,700	\$ 47,400	\$ 114,000	\$ 1,754	\$ 7,125	\$ 156,498	\$ 8,396
141	Barry Ave	AC	Gravity	T077	250	75.6	1974	65	49	16	\$ 46,800	\$ 8,700	\$ 29,600	\$ 85,100	\$ 1,309	\$ 5,319	\$ 116,824	\$ 6,268
142	Barry Ave	AC	Gravity	T082	250	56.7	1974	65	49	16	\$ 35,100	\$ 8,700	\$ 23,700	\$ 67,500	\$ 1,038	\$ 4,219	\$ 92,663	\$ 4,971
143	Barry Ave	AC	Gravity	T082	250	58.4	1974	65	49	16	\$ 43,700	\$ 25,200	\$ 13,100	\$ 82,000	\$ 1,262	\$ 5,125	\$ 112,568	\$ 6,039
144	Mason Pl	AC	Gravity	T074	250	81.6	1974	65	49	16	\$ 50,500	\$ 8,700	\$ 29,600	\$ 88,800	\$ 1,366	\$ 5,550	\$ 121,903	\$ 6,540
145	Mason Pl	AC	Gravity	T076	250	104.6	1974	65	49	16	\$ 64,700	\$ 8,700	\$ 35,500	\$ 108,900	\$ 1,675	\$ 6,806	\$ 149,496	\$ 8,020
146	Keith Ave	AC	Gravity	T071	250	78.0	1974	65	49	16	\$ 48,200	\$ 8,700	\$ 23,700	\$ 80,600	\$ 1,240	\$ 5,038	\$ 110,647	\$ 5,936
147	Percy Pl	AC	Gravity	T066	250	94.6	1974	65	49	16	\$ 70,800	\$ 19,700	\$ 32,600	\$ 123,100	\$ 1,894	\$ 7,694	\$ 168,990	\$ 9,066
148	Lesperance Rd	AC	Gravity	T022	250	41.4	1974	65	49	16	\$ 25,600	\$ 8,700	\$ 6,000	\$ 40,300	\$ 620	\$ 2,519	\$ 55,323	\$ 2,968
149	Lesperance Rd	AC	Gravity	T022	250	17.2	1974	65	49	16	\$ 11,600	\$ 11,900	\$ 6,300	\$ 29,800	\$ 458	\$ 1,863	\$ 40,909	\$ 2,195
150	Lesperance Rd	AC	Gravity	T022	250	86.6	1974	65	49	16	\$ 58,100	\$ 11,900	\$ 43,500	\$ 113,500	\$ 1,746	\$ 7,094	\$ 155,811	\$ 8,359
151	Lesperance Rd	AC	Gravity	T022	250	87.9	1974	65	49	16	\$ 58,900	\$ 11,900	\$ 43,500	\$ 114,300	\$ 1,758	\$ 7,144	\$ 156,909	\$ 8,418
152	Lesperance Rd	AC	Gravity	T022	250	86.2	1974	65	49	16	\$ 57,800	\$ 11,900	\$ 31,100	\$ 100,800	\$ 1,551	\$ 6,300	\$ 138,377	\$ 7,424
153	Lesperance Rd	AC	Gravity	T056	250	84.8	1974	65	49	16	\$ 63,500	\$ 19,700	\$ 39,100	\$ 122,300	\$ 1,882	\$ 7,644	\$ 167,892	\$ 9,007
154	Lesperance Rd	AC	Gravity	T056	250	83.1	1974	65	49	16	\$ 62,200	\$ 19,700	\$ 45,600	\$ 127,500	\$ 1,962	\$ 7,969	\$ 175,030	\$ 9,390
155	Lesperance Rd	AC	Gravity	T056	250	76.1	1974	65	49	16	\$ 57,000	\$ 19,700	\$ 26,100	\$ 102,800	\$ 1,582	\$ 6,425	\$ 141,122	\$ 7,571
156	Lesperance Rd	AC	Gravity	T057	250	86.1	1974	65	49	16	\$ 75,700	\$ 23,700	\$ 34,100	\$ 133,500	\$ 2,054	\$ 8,344	\$ 183,267	\$ 9,832
157	Lesperance Rd	CONC	Gravity	T109	750	107.2	1974	65	49	16	\$ 175,500	\$ 23,700	\$ 42,200	\$ 241,400	\$ 3,714	\$ 15,088	\$ 331,390	\$ 17,779
158	Lesperance Rd	CONC	Gravity	T118	750	108.8	1974	65	49	16	\$ 150,800	\$ 25,200	\$ 60,600	\$ 236,600	\$ 3,640	\$ 14,788	\$ 324,801	\$ 17,426
159	Lesperance Rd	CONC	Gravity	T121	750	78.6	1974	65	49	16	\$ 109,100	\$ 25,200	\$ 40,400	\$ 174,700	\$ 2,688	\$ 10,919	\$ 239,826	\$ 12,867
160	Lesperance Rd	CONC	Gravity	T121	750	78.3	1974	65	49	16	\$ 108,600	\$ 25,200	\$ 40,400	\$ 174,200	\$ 2,680	\$ 10,888	\$ 239,139	\$ 12,830
161	Lesperance Rd	CONC	Gravity	T126	675	108.0	1974	65	49	16	\$ 131,100	\$ 25,200	\$ 47,100	\$ 203,400	\$ 3,129	\$ 12,713	\$ 279,225	\$ 14,980
162	Lesperance Rd	CONC	Gravity	T123	675	104.9	1974	65	49	16	\$ 127,400	\$ 25,200	\$ 40,300	\$ 192,900	\$ 2,968	\$ 12,056	\$ 264,810	\$ 14,207

**Appendix H-2
Wastewater Sewer Inventory**

GIS Database											2021 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				
163	Lesperance Rd	CONC	Gravity	T149	675	107.0	1974	65	49	16	\$ 130,000	\$ 25,200	\$ 47,100	\$ 202,300	\$ 3,112	\$ 12,644	\$ 277,715	\$ 14,899
164	Lesperance Rd	CONC	Gravity	T187	675	98.3	1974	65	49	16	\$ 119,400	\$ 25,200	\$ 40,300	\$ 184,900	\$ 2,845	\$ 11,556	\$ 253,828	\$ 13,618
165	Lesperance Rd	CONC	Gravity	T211	675	84.4	1974	65	49	16	\$ 91,500	\$ 22,900	\$ 38,500	\$ 152,900	\$ 2,352	\$ 9,556	\$ 209,899	\$ 11,261
166	Lesperance Rd	CONC	Gravity	T211	675	102.9	1974	65	49	16	\$ 111,600	\$ 22,900	\$ 44,900	\$ 179,400	\$ 2,760	\$ 11,213	\$ 246,278	\$ 13,213
167	Lesperance Rd	CONC	Gravity	T211	675	111.9	1974	65	49	16	\$ 121,400	\$ 22,900	\$ 77,000	\$ 221,300	\$ 3,405	\$ 13,831	\$ 303,797	\$ 16,299
168	Lesperance Rd	CONC	Gravity	T212	600	63.6	1974	65	49	16	\$ 60,900	\$ 22,900	\$ 25,700	\$ 109,500	\$ 1,685	\$ 6,844	\$ 150,320	\$ 8,065
169	Lesperance Rd	CONC	Gravity	T247	600	45.3	1974	65	49	16	\$ 43,400	\$ 11,900	\$ 12,900	\$ 68,200	\$ 1,049	\$ 4,263	\$ 93,624	\$ 5,023
170	Lesperance Rd	CONC	Gravity	T245	600	72.2	1974	65	49	16	\$ 69,200	\$ 11,900	\$ -	\$ 81,100	\$ 1,248	\$ 5,069	\$ 111,333	\$ 5,973
171	Riverside Dr E	AC	Gravity	T012	250	99.0	1974	65	49	16	\$ 61,200	\$ 8,700	\$ 65,100	\$ 135,000	\$ 2,077	\$ 8,438	\$ 185,326	\$ 9,943
172	Riverside Dr E	AC	Gravity	T012	250	102.4	1974	65	49	16	\$ 63,300	\$ 8,700	\$ 76,900	\$ 148,900	\$ 2,291	\$ 9,306	\$ 204,408	\$ 10,967
173	Riverside Dr E	AC	Gravity	T012	250	91.5	1974	65	49	16	\$ 56,600	\$ 8,700	\$ 47,400	\$ 112,700	\$ 1,734	\$ 7,044	\$ 154,713	\$ 8,300
174	Riverside Dr E	AC	Gravity	T013	300	66.6	1974	65	49	16	\$ 43,000	\$ 8,700	\$ 29,800	\$ 81,500	\$ 1,254	\$ 5,094	\$ 111,882	\$ 6,002
175	Riverside Dr E	AC	Gravity	T013	300	79.9	1974	65	49	16	\$ 51,600	\$ 8,700	\$ 59,500	\$ 119,800	\$ 1,843	\$ 7,488	\$ 164,460	\$ 8,823
176	Riverside Dr E	AC	Gravity	T013	300	94.0	1974	65	49	16	\$ 60,700	\$ 8,700	\$ 41,700	\$ 111,100	\$ 1,709	\$ 6,944	\$ 152,516	\$ 8,183
177	Riverside Dr E	AC	Gravity	T013	300	94.4	1974	65	49	16	\$ 60,900	\$ 8,700	\$ 29,800	\$ 99,400	\$ 1,529	\$ 6,213	\$ 136,455	\$ 7,321
178	Riverside Dr E	AC	Gravity	T013	250	88.9	1974	65	49	16	\$ 55,000	\$ 8,700	\$ 35,500	\$ 99,200	\$ 1,526	\$ 6,200	\$ 136,180	\$ 7,306
179	Riverside Dr E	AC	Gravity	T013	250	83.7	1974	65	49	16	\$ 51,800	\$ 8,700	\$ 47,400	\$ 107,900	\$ 1,660	\$ 6,744	\$ 148,124	\$ 7,947
180	Riverside Dr E	AC	Gravity	T014	250	75.3	1974	65	49	16	\$ 50,500	\$ 11,900	\$ 31,100	\$ 93,500	\$ 1,438	\$ 5,844	\$ 128,355	\$ 6,886
181	Riverside Dr E	AC	Gravity	T014	250	81.1	1974	65	49	16	\$ 50,200	\$ 8,700	\$ 35,500	\$ 94,400	\$ 1,452	\$ 5,900	\$ 129,591	\$ 6,953
182	Riverside Dr E	AC	Gravity	T014	250	93.8	1974	65	49	16	\$ 58,000	\$ 8,700	\$ 59,200	\$ 125,900	\$ 1,937	\$ 7,869	\$ 172,834	\$ 9,273
183	Riverside Dr E	AC	Gravity	T014	300	105.9	1974	65	49	16	\$ 68,300	\$ 8,700	\$ 47,600	\$ 124,600	\$ 1,917	\$ 7,788	\$ 171,049	\$ 9,177
184	Riverside Dr E	AC	Gravity	T014	300	103.8	1974	65	49	16	\$ 67,000	\$ 8,700	\$ 53,600	\$ 129,300	\$ 1,989	\$ 8,081	\$ 177,501	\$ 9,523
185	Riverside Dr E	AC	Gravity	T015	250	66.8	1974	65	49	16	\$ 41,300	\$ 8,700	\$ 17,800	\$ 67,800	\$ 1,043	\$ 4,238	\$ 93,075	\$ 4,993
186	Riverside Dr E	AC	Gravity	T015	250	59.1	1974	65	49	16	\$ 36,600	\$ 8,700	\$ 35,500	\$ 80,800	\$ 1,243	\$ 5,050	\$ 110,921	\$ 5,951
188	Poisson St	AC	Gravity	T297	250	91.6	1974	65	49	16	\$ 56,700	\$ 8,700	\$ 41,500	\$ 106,900	\$ 1,645	\$ 6,681	\$ 146,751	\$ 7,873
189	St Anne Blvd	AC	Gravity	T298	250	96.0	1974	65	49	16	\$ 59,400	\$ 8,700	\$ 53,300	\$ 121,400	\$ 1,868	\$ 7,588	\$ 166,656	\$ 8,941
190	St Anne Blvd	AC	Gravity	T295	250	71.8	1974	65	49	16	\$ 44,400	\$ 8,700	\$ 23,700	\$ 76,800	\$ 1,182	\$ 4,800	\$ 105,430	\$ 5,656
191	St Anne Blvd	AC	Gravity	T290	250	12.9	1974	65	49	16	\$ 8,000	\$ 8,700	\$ 11,900	\$ 28,600	\$ 440	\$ 1,788	\$ 39,262	\$ 2,106
192	St Anne Blvd	AC	Gravity	T290	250	75.0	1974	65	49	16	\$ 46,400	\$ 8,700	\$ 53,300	\$ 108,400	\$ 1,668	\$ 6,775	\$ 148,810	\$ 7,984
193	St Anne Blvd	AC	Gravity	T288	250	91.3	1974	65	49	16	\$ 56,500	\$ 8,700	\$ 41,500	\$ 106,700	\$ 1,642	\$ 6,669	\$ 146,476	\$ 7,858
194	St Anne Blvd	AC	Gravity	T288	250	82.8	1974	65	49	16	\$ 51,200	\$ 8,700	\$ 29,600	\$ 89,500	\$ 1,377	\$ 5,594	\$ 122,864	\$ 6,592
195	Bedell St	AC	Gravity	T314	250	70.8	1974	65	49	16	\$ 47,500	\$ 11,900	\$ 18,700	\$ 78,100	\$ 1,202	\$ 4,881	\$ 107,215	\$ 5,752
196	Bedell St	AC	Gravity	T314	250	33.0	1974	65	49	16	\$ 22,200	\$ 11,900	\$ -	\$ 34,100	\$ 525	\$ 2,131	\$ 46,812	\$ 2,511
197	Bedell St	AC	Gravity	T309	250	62.0	1974	65	49	16	\$ 41,600	\$ 11,900	\$ 31,100	\$ 84,600	\$ 1,302	\$ 5,288	\$ 116,138	\$ 6,231
198	Bedell St	AC	Gravity	T309	250	50.3	1974	65	49	16	\$ 33,800	\$ 11,900	\$ 31,100	\$ 76,800	\$ 1,182	\$ 4,800	\$ 105,430	\$ 5,656
199	Bedell St	AC	Gravity	T306	250	112.9	1974	65	49	16	\$ 75,700	\$ 11,900	\$ 62,200	\$ 149,800	\$ 2,305	\$ 9,363	\$ 205,643	\$ 11,033
200	Lanoue St	AC	Gravity	T313	250	87.4	1974	65	49	16	\$ 54,100	\$ 8,700	\$ 65,100	\$ 127,900	\$ 1,968	\$ 7,994	\$ 175,579	\$ 9,420
201	Lanoue St	AC	Gravity	T313	250	86.1	1974	65	49	16	\$ 57,700	\$ 11,900	\$ 31,100	\$ 100,700	\$ 1,549	\$ 6,294	\$ 138,240	\$ 7,417
202	Lanoue St	AC	Gravity	T315	250	79.7	1974	65	49	16	\$ 53,500	\$ 11,900	\$ 37,300	\$ 102,700	\$ 1,580	\$ 6,419	\$ 140,985	\$ 7,564
203	Lanoue St	AC	Gravity	T315	250	66.9	1974	65	49	16	\$ 44,900	\$ 11,900	\$ 49,700	\$ 106,500	\$ 1,638	\$ 6,656	\$ 146,202	\$ 7,844
204	Winclare Dr	PVC	Gravity	T002	200	107.7	1993	65	30	35	\$ 65,300	\$ 8,700	\$ 71,000	\$ 145,000	\$ 2,231	\$ 4,143	\$ 289,984	\$ 5,800
205	Riverside Dr E	AC	Gravity	T001	250	36.6	1974	65	49	16	\$ 22,700	\$ 8,700	\$ 17,800	\$ 49,200	\$ 757	\$ 3,075	\$ 67,541	\$ 3,624
206	Riverside Dr E	AC	Gravity	T003	250	63.3	1974	65	49	16	\$ 39,200	\$ 8,700	\$ 17,800	\$ 65,700	\$ 1,011	\$ 4,106	\$ 90,192	\$ 4,839
207	Tecumseh Rd	PVC	Force	T265	300	119.7	1981	65	42	23	\$ 83,900	\$ 11,900	\$ 12,500	\$ 108,300	\$ 1,666	\$ 4,709	\$ 170,778	\$ 5,921
208	Lesperance Rd	PVC	Gravity	T312	300	10.2	1981	65	42	23	\$ 7,200	\$ 11,900	\$ -	\$ 19,100	\$ 294	\$ 830	\$ 30,119	\$ 1,044
209	Southfield Dr	PVC	Gravity	T270	200	100.3	1996	65	27	38	\$ 66,100	\$ 11,900	\$ 167,700	\$ 245,700	\$ 3,780	\$ 6,466	\$ 521,449	\$ 9,293
210	Lesperance Rd	CONC	Gravity	T266	600	48.8	1974	65	49	16	\$ 46,700	\$ 11,900	\$ 25,700	\$ 84,300	\$ 1,297	\$ 5,269	\$ 115,726	\$ 6,209
211	Lesperance Rd	CONC	Gravity	T312	600	82.1	1974	65	49	16	\$ 78,700	\$ 11,900	\$ 19,300	\$ 109,900	\$ 1,691	\$ 6,869	\$ 150,869	\$ 8,094
212	Lesperance Rd	CONC	Gravity	T311	600	63.7	1974	65	49	16	\$ 61,100	\$ 11,900	\$ 25,700	\$ 98,700	\$ 1,518	\$ 6,169	\$ 135,494	\$ 7,269
213	Lesperance Rd	CONC	Gravity	T311	600	13.8	1974	65	49	16	\$ 13,300	\$ 11,900	\$ -	\$ 25,200	\$ 388	\$ 1,575	\$ 34,594	\$ 1,856

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
214	Lesperance Rd	CONC	Gravity	T307	600	110.0	1974	65	49	16	\$ 105,300	\$ 11,900	\$ 64,100	\$ 181,300	\$ 2,789	\$ 11,331	\$ 248,886	\$ 13,353
215	Lesperance Rd	AC	Gravity	T299	250	12.4	1974	65	49	16	\$ 8,400	\$ 11,900	\$ -	\$ 20,300	\$ 312	\$ 1,269	\$ 27,868	\$ 1,495
216	Lesperance Rd	AC	Gravity	T299	250	78.3	1974	65	49	16	\$ 48,500	\$ 8,700	\$ 23,700	\$ 80,900	\$ 1,245	\$ 5,056	\$ 111,058	\$ 5,958
217	Brenda Cres	PVC	Gravity	T162	200	119.0	1989	65	34	31	\$ 72,200	\$ 8,700	\$ 65,100	\$ 146,000	\$ 2,246	\$ 4,710	\$ 269,748	\$ 6,365
218	Lesperance Rd	AC	Gravity	T299	250	71.1	1974	65	49	16	\$ 44,000	\$ 8,700	\$ 29,600	\$ 82,300	\$ 1,266	\$ 5,144	\$ 112,980	\$ 6,061
219	St Pierre St	AC	Force	T024	250	107.2	1974	65	49	16	\$ 66,300	\$ 8,700	\$ 35,500	\$ 110,500	\$ 1,700	\$ 6,906	\$ 151,693	\$ 8,138
220	St Pierre St	AC	Force	T024	250	105.5	1974	65	49	16	\$ 65,300	\$ 8,700	\$ 65,100	\$ 139,100	\$ 2,140	\$ 8,694	\$ 190,954	\$ 10,245
221	St Pierre St	AC	Force	T060	250	91.7	1974	65	49	16	\$ 61,500	\$ 11,900	\$ 55,900	\$ 129,300	\$ 1,989	\$ 8,081	\$ 177,501	\$ 9,523
222	St Pierre St	AC	Force	T060	250	24.9	1974	65	49	16	\$ 16,700	\$ 11,900	\$ 24,900	\$ 53,500	\$ 823	\$ 3,344	\$ 73,444	\$ 3,940
223	St Pierre St	AC	Force	T060	250	93.1	1974	65	49	16	\$ 81,800	\$ 23,700	\$ 47,700	\$ 153,200	\$ 2,357	\$ 9,575	\$ 210,311	\$ 11,283
224	St Pierre St	AC	Force	T129	450	104.4	1974	65	49	16	\$ 103,200	\$ 23,700	\$ 55,900	\$ 182,800	\$ 2,812	\$ 11,425	\$ 250,945	\$ 13,463
225	St Pierre St	AC	Force	T129	450	92.4	1974	65	49	16	\$ 91,400	\$ 23,700	\$ 55,900	\$ 171,000	\$ 2,631	\$ 10,688	\$ 234,746	\$ 12,594
226	St Pierre St	AC	Gravity	T129	450	97.5	1974	65	49	16	\$ 82,100	\$ 19,700	\$ 86,900	\$ 188,700	\$ 2,903	\$ 11,794	\$ 259,045	\$ 13,898
227	St Pierre St	AC	Gravity	T129	450	99.2	1974	65	49	16	\$ 83,500	\$ 19,700	\$ 86,900	\$ 190,100	\$ 2,925	\$ 11,881	\$ 260,967	\$ 14,001
228	St Pierre St	AC	Trunk	T129	450	98.0	1974	65	49	16	\$ 82,500	\$ 19,700	\$ 60,200	\$ 162,400	\$ 2,498	\$ 10,150	\$ 222,940	\$ 11,961
229	St Pierre St	AC	Trunk	T129	450	97.0	1974	65	49	16	\$ 81,700	\$ 19,700	\$ 60,200	\$ 161,600	\$ 2,486	\$ 10,100	\$ 221,842	\$ 11,902
230	St Pierre St	AC	Trunk	T151	300	18.0	1974	65	49	16	\$ 12,600	\$ 11,900	\$ -	\$ 24,500	\$ 377	\$ 1,531	\$ 33,633	\$ 1,804
231	St Pierre St	AC	Trunk	T151	300	72.8	1974	65	49	16	\$ 51,000	\$ 11,900	\$ 50,000	\$ 112,900	\$ 1,737	\$ 7,056	\$ 154,988	\$ 8,315
232	St Pierre St	AC	Trunk	T151	300	73.8	1974	65	49	16	\$ 51,700	\$ 11,900	\$ 50,000	\$ 113,600	\$ 1,748	\$ 7,100	\$ 155,948	\$ 8,367
233	St Pierre St	AC	Trunk	T151	300	74.2	1974	65	49	16	\$ 52,000	\$ 11,900	\$ 50,000	\$ 113,900	\$ 1,752	\$ 7,119	\$ 156,360	\$ 8,389
234	St Pierre St	AC	Trunk	T197	300	66.9	1974	65	49	16	\$ 46,900	\$ 11,900	\$ 31,300	\$ 90,100	\$ 1,386	\$ 5,631	\$ 123,688	\$ 6,636
235	St Pierre St	AC	Trunk	T197	300	102.2	1974	65	49	16	\$ 71,600	\$ 11,900	\$ 87,500	\$ 171,000	\$ 2,631	\$ 10,688	\$ 234,746	\$ 12,594
236	St Pierre St	AC	Trunk	T197	300	96.3	1974	65	49	16	\$ 67,500	\$ 11,900	\$ 75,000	\$ 154,400	\$ 2,375	\$ 9,650	\$ 211,958	\$ 11,372
237	Dillon Dr	PVC	Gravity	T034	200	37.3	1987	65	36	29	\$ 24,600	\$ 11,900	\$ 49,700	\$ 86,200	\$ 1,326	\$ 2,972	\$ 153,078	\$ 3,946
238	Dillon Dr	PVC	Gravity	T034	200	82.3	1979	65	44	21	\$ 54,200	\$ 11,900	\$ 31,100	\$ 97,200	\$ 1,495	\$ 4,629	\$ 147,323	\$ 5,714
239	Dillon Dr	PVC	Gravity	T035	200	87.5	1979	65	44	21	\$ 57,600	\$ 11,900	\$ 55,900	\$ 125,400	\$ 1,929	\$ 5,971	\$ 190,065	\$ 7,372
240	Dillon Dr	PVC	Gravity	T035	200	91.1	1992	65	31	34	\$ 55,300	\$ 8,700	\$ 65,100	\$ 129,100	\$ 1,986	\$ 3,797	\$ 253,123	\$ 5,270
241	Dillon Dr	PVC	Gravity	T035	200	31.5	1992	65	31	34	\$ 19,100	\$ 8,700	\$ 11,900	\$ 39,700	\$ 611	\$ 1,168	\$ 77,839	\$ 1,621
242	St Thomas St	PVC	Trunk	T165	300	13.3	1988	65	35	30	\$ 9,400	\$ 11,900	\$ -	\$ 21,300	\$ 328	\$ 710	\$ 38,582	\$ 951
243	St Thomas St	PVC	Trunk	T165	300	100.5	1993	65	30	35	\$ 70,400	\$ 11,900	\$ 12,500	\$ 94,800	\$ 1,458	\$ 2,709	\$ 189,590	\$ 3,792
244	Lacasse Blvd	AC	Gravity	T157	350	79.9	1974	65	49	16	\$ 58,500	\$ 11,900	\$ 12,600	\$ 83,000	\$ 1,277	\$ 5,188	\$ 113,941	\$ 6,113
245	Lacasse Blvd	AC	Gravity	T157	350	79.8	1974	65	49	16	\$ 58,400	\$ 11,900	\$ 37,700	\$ 108,000	\$ 1,662	\$ 6,750	\$ 148,261	\$ 7,954
246	Lacasse Blvd	AC	Gravity	T157	350	82.0	1974	65	49	16	\$ 60,100	\$ 11,900	\$ 25,200	\$ 97,200	\$ 1,495	\$ 6,075	\$ 133,435	\$ 7,159
247	Lacasse Blvd	AC	Gravity	T207	350	101.2	1974	65	49	16	\$ 74,100	\$ 11,900	\$ 56,500	\$ 142,500	\$ 2,192	\$ 8,906	\$ 195,622	\$ 10,495
248	Lacasse Blvd	AC	Gravity	T204	350	67.6	1974	65	49	16	\$ 49,500	\$ 11,900	\$ 25,200	\$ 86,600	\$ 1,332	\$ 5,413	\$ 118,883	\$ 6,378
249	Lacasse Blvd	AC	Gravity	T201	350	86.4	1974	65	49	16	\$ 63,300	\$ 11,900	\$ 37,700	\$ 112,900	\$ 1,737	\$ 7,056	\$ 154,988	\$ 8,315
250	Lacasse Blvd	AC	Gravity	T201	350	85.7	1974	65	49	16	\$ 57,900	\$ 8,700	\$ 18,000	\$ 84,600	\$ 1,302	\$ 5,288	\$ 116,138	\$ 6,231
251	Lacasse Blvd	AC	Gravity	T219	350	94.8	1974	65	49	16	\$ 64,100	\$ 8,700	\$ 53,800	\$ 126,600	\$ 1,948	\$ 7,913	\$ 173,795	\$ 9,324
252	Lacasse Blvd	AC	Gravity	T219	350	93.7	1974	65	49	16	\$ 68,700	\$ 11,900	\$ 37,700	\$ 118,300	\$ 1,820	\$ 7,394	\$ 162,401	\$ 8,713
253	Lacasse Blvd	AC	Gravity	T218	350	95.3	1974	65	49	16	\$ 69,800	\$ 11,900	\$ 56,500	\$ 138,200	\$ 2,126	\$ 8,638	\$ 189,719	\$ 10,178
254	Lacasse Blvd	AC	Gravity	T252	300	102.1	1974	65	49	16	\$ 71,500	\$ 11,900	\$ 12,500	\$ 95,900	\$ 1,475	\$ 5,994	\$ 131,650	\$ 7,063
255	Lacasse Blvd	AC	Gravity	T252	300	87.3	1974	65	49	16	\$ 56,300	\$ 8,700	\$ 11,900	\$ 76,900	\$ 1,183	\$ 4,806	\$ 105,567	\$ 5,664
256	Evergreen Dr	AC	Gravity	T120	250	88.7	1974	65	49	16	\$ 54,900	\$ 8,700	\$ 29,600	\$ 93,200	\$ 1,434	\$ 5,825	\$ 127,944	\$ 6,864
257	Evergreen Dr	AC	Gravity	T120	250	83.0	1974	65	49	16	\$ 51,300	\$ 8,700	\$ 41,500	\$ 101,500	\$ 1,562	\$ 6,344	\$ 139,338	\$ 7,475
258	Evergreen Dr	AC	Gravity	T120	250	86.6	1974	65	49	16	\$ 64,900	\$ 25,200	\$ 19,600	\$ 109,700	\$ 1,688	\$ 6,856	\$ 150,595	\$ 8,079
259	Clapp St	AC	Gravity	T128	350	103.1	1974	65	49	16	\$ 75,500	\$ 11,900	\$ 31,400	\$ 118,800	\$ 1,828	\$ 7,425	\$ 163,087	\$ 8,750
260	Clapp St	AC	Gravity	T130	350	82.7	1974	65	49	16	\$ 60,600	\$ 11,900	\$ 37,700	\$ 110,200	\$ 1,695	\$ 6,888	\$ 151,281	\$ 8,116
261	Clapp St	AC	Gravity	T132	350	85.5	1974	65	49	16	\$ 62,700	\$ 11,900	\$ 25,200	\$ 99,800	\$ 1,535	\$ 6,238	\$ 137,004	\$ 7,350
262	William St	AC	Gravity	T153	300	100.7	1974	65	49	16	\$ 70,600	\$ 11,900	\$ 62,500	\$ 145,000	\$ 2,231	\$ 9,063	\$ 199,054	\$ 10,679
263	William St	AC	Gravity	T153	300	93.7	1974	65	49	16	\$ 60,500	\$ 8,700	\$ 77,300	\$ 146,500	\$ 2,254	\$ 9,156	\$ 201,113	\$ 10,790

**Appendix H-2
Wastewater Sewer Inventory**

GIS Database											2021 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				
264	Papineau Crt	AC	Gravity	T124	200	101.4	1977	65	46	19	\$ 61,500	\$ 8,700	\$ 82,900	\$ 153,100	\$ 2,355	\$ 8,058	\$ 223,038	\$ 9,765
265	Papineau Crt	AC	Gravity	T124	200	96.5	1977	65	46	19	\$ 58,500	\$ 8,700	\$ 59,200	\$ 126,400	\$ 1,945	\$ 6,653	\$ 184,141	\$ 8,062
266	Papineau Crt	AC	Gravity	T124	200	26.7	1977	65	46	19	\$ 19,600	\$ 25,200	\$ -	\$ 44,800	\$ 689	\$ 2,358	\$ 65,265	\$ 2,857
267	Meander Cres	PVC	Gravity	T131	200	22.5	1990	65	33	32	\$ 13,700	\$ 8,700	\$ 23,700	\$ 46,100	\$ 709	\$ 1,441	\$ 86,877	\$ 1,964
268	Meander Cres	PVC	Gravity	T131	200	68.0	1989	65	34	31	\$ 41,300	\$ 8,700	\$ 47,400	\$ 97,400	\$ 1,498	\$ 3,142	\$ 179,955	\$ 4,246
269	Meander Cres	PVC	Gravity	T131	250	100.7	1989	65	34	31	\$ 62,300	\$ 8,700	\$ 41,500	\$ 112,500	\$ 1,731	\$ 3,629	\$ 207,854	\$ 4,905
270	Meander Cres	PVC	Gravity	T131	250	76.0	1989	65	34	31	\$ 50,900	\$ 11,900	\$ 62,200	\$ 125,000	\$ 1,923	\$ 4,032	\$ 230,949	\$ 5,450
271	Meander Cres	PVC	Gravity	T131	250	78.3	1989	65	34	31	\$ 52,500	\$ 11,900	\$ 24,900	\$ 89,300	\$ 1,374	\$ 2,881	\$ 164,990	\$ 3,893
272	Lacasse Blvd	PVC	Gravity	T133	200	131.2	1989	65	34	31	\$ 86,400	\$ 11,900	\$ 37,300	\$ 135,600	\$ 2,086	\$ 4,374	\$ 250,533	\$ 5,912
273	Lacasse Blvd	PVC	Gravity	T134	250	85.3	1988	65	35	30	\$ 57,200	\$ 11,900	\$ 43,500	\$ 112,600	\$ 1,732	\$ 3,753	\$ 203,959	\$ 5,028
274	Lacasse Blvd	PVC	Gravity	T135	250	106.4	1988	65	35	30	\$ 71,400	\$ 11,900	\$ 62,200	\$ 145,500	\$ 2,238	\$ 4,850	\$ 263,553	\$ 6,497
275	Lacasse Blvd	PVC	Gravity	T135	250	87.8	1988	65	35	30	\$ 65,800	\$ 19,700	\$ 45,600	\$ 131,100	\$ 2,017	\$ 4,370	\$ 237,470	\$ 5,854
276	Oakpark Dr	PVC	Gravity	T136	200	97.4	1989	65	34	31	\$ 59,100	\$ 8,700	\$ 35,500	\$ 103,300	\$ 1,589	\$ 3,332	\$ 190,856	\$ 4,504
277	Oakpark Dr	PVC	Gravity	T138	250	96.5	1989	65	34	31	\$ 59,700	\$ 8,700	\$ 35,500	\$ 103,900	\$ 1,598	\$ 3,352	\$ 191,964	\$ 4,530
278	Oakpark Dr	PVC	Gravity	T139	200	111.3	1989	65	34	31	\$ 67,500	\$ 8,700	\$ 53,300	\$ 129,500	\$ 1,992	\$ 4,177	\$ 239,263	\$ 5,646
279	Oakpark Dr	PVC	Gravity	T139	200	36.2	1989	65	34	31	\$ 23,900	\$ 11,900	\$ 55,900	\$ 91,700	\$ 1,411	\$ 2,958	\$ 169,424	\$ 3,998
280	Regal Crt	PVC	Gravity	T137	200	72.9	1989	65	34	31	\$ 44,200	\$ 8,700	\$ 53,300	\$ 106,200	\$ 1,634	\$ 3,426	\$ 196,214	\$ 4,630
281	Dube Dr	PVC	Gravity	T140	250	79.8	1989	65	34	31	\$ 49,400	\$ 8,700	\$ 35,500	\$ 93,600	\$ 1,440	\$ 3,019	\$ 172,934	\$ 4,081
282	Baillargeon Dr	PVC	Gravity	T189	200	99.4	1979	65	44	21	\$ 65,500	\$ 11,900	\$ 31,100	\$ 108,500	\$ 1,669	\$ 5,167	\$ 164,450	\$ 6,378
283	Baillargeon Dr	PVC	Gravity	T189	200	98.7	1979	65	44	21	\$ 65,000	\$ 11,900	\$ 43,500	\$ 120,400	\$ 1,852	\$ 5,733	\$ 182,486	\$ 7,078
284	Baillargeon Dr	PVC	Gravity	T189	200	106.3	1979	65	44	21	\$ 70,000	\$ 11,900	\$ 37,300	\$ 119,200	\$ 1,834	\$ 5,676	\$ 180,667	\$ 7,007
285	McNorton St	PVC	Gravity	T193	200	90.4	1979	65	44	21	\$ 59,500	\$ 11,900	\$ 18,700	\$ 90,100	\$ 1,386	\$ 4,290	\$ 136,562	\$ 5,297
286	McNorton St	PVC	Gravity	T194	200	81.0	1979	65	44	21	\$ 53,300	\$ 11,900	\$ 18,700	\$ 83,900	\$ 1,291	\$ 3,995	\$ 127,164	\$ 4,932
287	McNorton St	PVC	Gravity	T194	200	88.6	1979	65	44	21	\$ 58,300	\$ 22,900	\$ 12,500	\$ 93,700	\$ 1,442	\$ 4,462	\$ 142,018	\$ 5,508
288	Horwood Cres	PVC	Gravity	T221	200	88.8	1993	65	30	35	\$ 58,500	\$ 11,900	\$ 93,200	\$ 163,600	\$ 2,517	\$ 4,674	\$ 327,182	\$ 6,544
289	Harbourne Cres	PVC	Gravity	T221	250	89.0	1993	65	30	35	\$ 59,700	\$ 11,900	\$ 118,100	\$ 189,700	\$ 2,918	\$ 5,420	\$ 379,379	\$ 7,588
290	Horwood Cres	PVC	Gravity	T221	250	87.4	1993	65	30	35	\$ 58,600	\$ 11,900	\$ 74,600	\$ 145,100	\$ 2,232	\$ 4,146	\$ 290,184	\$ 5,804
291	Horwood Cres	PVC	Gravity	T221	250	111.9	1992	65	31	34	\$ 75,000	\$ 11,900	\$ 130,500	\$ 217,400	\$ 3,345	\$ 6,394	\$ 426,251	\$ 8,874
292	Horwood Cres	PVC	Gravity	T222	200	111.5	1993	65	30	35	\$ 67,600	\$ 8,700	\$ 130,200	\$ 206,500	\$ 3,177	\$ 5,900	\$ 412,977	\$ 8,260
293	Horwood Cres	PVC	Gravity	T222	300	88.7	1992	65	31	34	\$ 57,200	\$ 8,700	\$ 95,200	\$ 161,100	\$ 2,478	\$ 4,738	\$ 315,865	\$ 6,576
294	Horwood Cres	PVC	Gravity	T222	300	86.6	1992	65	31	34	\$ 60,600	\$ 11,900	\$ 112,400	\$ 184,900	\$ 2,845	\$ 5,438	\$ 362,529	\$ 7,547
295	Horwood Cres	PVC	Gravity	T222	300	88.8	1992	65	31	34	\$ 62,200	\$ 11,900	\$ 81,200	\$ 155,300	\$ 2,389	\$ 4,568	\$ 304,493	\$ 6,339
296	St Gregorys Rd	PVC	Gravity	T223	300	43.8	1992	65	31	34	\$ 30,700	\$ 11,900	\$ 18,800	\$ 61,400	\$ 945	\$ 1,806	\$ 120,386	\$ 2,506
297	Kimberly Dr	AC	Gravity	T146	250	70.6	1979	65	44	21	\$ 47,400	\$ 11,900	\$ 55,900	\$ 115,200	\$ 1,772	\$ 5,486	\$ 174,605	\$ 6,772
298	Kimberly Dr	AC	Gravity	T146	250	110.8	1979	65	44	21	\$ 74,300	\$ 11,900	\$ 62,200	\$ 148,400	\$ 2,283	\$ 7,067	\$ 224,925	\$ 8,724
299	Kimberly Dr	AC	Gravity	T146	250	49.7	1979	65	44	21	\$ 33,300	\$ 11,900	\$ 18,700	\$ 63,900	\$ 983	\$ 3,043	\$ 96,851	\$ 3,756
300	St Thomas St	AC	Trunk	T150	250	39.7	1974	65	49	16	\$ 26,600	\$ 11,900	\$ 6,300	\$ 44,800	\$ 689	\$ 2,800	\$ 61,501	\$ 3,300
301	Brenda Cres	PVC	Gravity	T162	200	18.2	1989	65	34	31	\$ 11,100	\$ 8,700	\$ 11,900	\$ 31,700	\$ 488	\$ 1,023	\$ 58,569	\$ 1,382
302	Brenda Cres	PVC	Gravity	T162	200	74.7	1989	65	34	31	\$ 45,300	\$ 8,700	\$ 29,600	\$ 83,600	\$ 1,286	\$ 2,697	\$ 154,458	\$ 3,645
303	Brenda Cres	PVC	Gravity	T160	200	85.2	1989	65	34	31	\$ 51,700	\$ 8,700	\$ 23,700	\$ 84,100	\$ 1,294	\$ 2,713	\$ 155,382	\$ 3,666
304	Brenda Cres	PVC	Gravity	T161	200	129.3	1989	65	34	31	\$ 78,400	\$ 8,700	\$ 47,400	\$ 134,500	\$ 2,069	\$ 4,339	\$ 248,501	\$ 5,864
305	St Thomas St	PVC	Trunk	T163	300	85.0	1989	65	34	31	\$ 59,500	\$ 11,900	\$ -	\$ 71,400	\$ 1,098	\$ 2,303	\$ 131,918	\$ 3,113
306	Michael Dr	PVC	Gravity	T164	300	90.9	1988	65	35	30	\$ 63,600	\$ 11,900	\$ 62,500	\$ 138,000	\$ 2,123	\$ 4,600	\$ 249,968	\$ 6,162
307	Michael Dr	PVC	Gravity	T164	300	15.9	1988	65	35	30	\$ 12,500	\$ 19,700	\$ 6,600	\$ 38,800	\$ 597	\$ 1,293	\$ 70,281	\$ 1,732
308	Michael Dr	PVC	Gravity	T164	300	128.7	1988	65	35	30	\$ 100,600	\$ 19,700	\$ 104,700	\$ 225,000	\$ 3,462	\$ 7,500	\$ 407,556	\$ 10,046
309	Michael Dr	PVC	Gravity	T164	300	125.1	1988	65	35	30	\$ 97,700	\$ 19,700	\$ 104,700	\$ 222,100	\$ 3,417	\$ 7,403	\$ 402,303	\$ 9,917
310	Michael Dr	PVC	Gravity	T164	300	76.3	1988	65	35	30	\$ 59,600	\$ 19,700	\$ 52,400	\$ 131,700	\$ 2,026	\$ 4,390	\$ 238,556	\$ 5,880
311	Michael Dr	PVC	Gravity	T164	300	16.9	1988	65	35	30	\$ 13,200	\$ 19,700	\$ -	\$ 32,900	\$ 506	\$ 1,097	\$ 59,594	\$ 1,469
312	Michael Dr	PVC	Gravity	T164	300	74.5	1988	65	35	30	\$ 58,200	\$ 19,700	\$ 72,000	\$ 149,900	\$ 2,306	\$ 4,997	\$ 271,523	\$ 6,693
313	Michael Dr	PVC	Gravity	T164	300	53.0	1988	65	35	30	\$ 41,400	\$ 25,200	\$ 6,600	\$ 73,200	\$ 1,126	\$ 2,440	\$ 132,592	\$ 3,268

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
314	St Gregorys Rd	PVC	Gravity	T232	250	81.4	1987	65	36	29	\$ 50,300	\$ 8,700	\$ 71,000	\$ 130,000	\$ 2,000	\$ 4,483	\$ 230,860	\$ 5,951
315	St Gregorys Rd	PVC	Gravity	T232	250	103.1	1987	65	36	29	\$ 63,700	\$ 8,700	\$ 76,900	\$ 149,300	\$ 2,297	\$ 5,148	\$ 265,134	\$ 6,835
316	St Gregorys Rd	PVC	Gravity	T232	250	38.4	1987	65	36	29	\$ 23,800	\$ 8,700	\$ 17,800	\$ 50,300	\$ 774	\$ 1,734	\$ 89,325	\$ 2,303
317	St Gregorys Rd	PVC	Gravity	T232	250	93.2	1987	65	36	29	\$ 57,600	\$ 8,700	\$ 59,200	\$ 125,500	\$ 1,931	\$ 4,328	\$ 222,869	\$ 5,745
318	Green Valley Dr	CONC	Gravity	T258	450	72.2	1987	65	36	29	\$ 54,600	\$ 11,900	\$ 25,600	\$ 92,100	\$ 1,417	\$ 3,176	\$ 163,555	\$ 4,216
319	Green Valley Dr	CONC	Gravity	T259	450	79.0	1987	65	36	29	\$ 59,700	\$ 11,900	\$ 25,600	\$ 97,200	\$ 1,495	\$ 3,352	\$ 172,612	\$ 4,450
320	Green Valley Dr	CONC	Gravity	T233	450	132.4	1986	65	37	28	\$ 100,000	\$ 11,900	\$ 63,800	\$ 175,700	\$ 2,703	\$ 6,275	\$ 305,898	\$ 8,256
321	Green Valley Dr	CONC	Gravity	T234	450	41.7	1986	65	37	28	\$ 31,500	\$ 11,900	\$ 12,800	\$ 56,200	\$ 865	\$ 2,007	\$ 97,846	\$ 2,641
322	Green Valley Dr	CONC	Gravity	T234	450	111.5	1986	65	37	28	\$ 84,200	\$ 11,900	\$ 76,600	\$ 172,700	\$ 2,657	\$ 6,168	\$ 300,675	\$ 8,115
323	Green Valley Dr	CONC	Gravity	T234	450	73.8	1986	65	37	28	\$ 55,800	\$ 11,900	\$ 51,100	\$ 118,800	\$ 1,828	\$ 4,243	\$ 206,834	\$ 5,582
324	Brunelle Cres	PVC	Gravity	T235	200	90.2	1987	65	36	29	\$ 59,400	\$ 11,900	\$ 74,600	\$ 145,900	\$ 2,245	\$ 5,031	\$ 259,096	\$ 6,679
325	Brunelle Cres	PVC	Gravity	T235	200	52.3	1987	65	36	29	\$ 34,500	\$ 11,900	\$ 43,500	\$ 89,900	\$ 1,383	\$ 3,100	\$ 159,648	\$ 4,115
326	Brunelle Cres	PVC	Gravity	T235	200	70.5	1987	65	36	29	\$ 46,400	\$ 11,900	\$ 18,700	\$ 77,000	\$ 1,185	\$ 2,655	\$ 136,740	\$ 3,525
327	Brunelle Cres	PVC	Gravity	T235	250	88.6	1987	65	36	29	\$ 59,400	\$ 11,900	\$ 24,900	\$ 96,200	\$ 1,480	\$ 3,317	\$ 170,836	\$ 4,404
328	Brunelle Cres	PVC	Gravity	T235	200	57.2	1987	65	36	29	\$ 37,700	\$ 11,900	\$ 55,900	\$ 105,500	\$ 1,623	\$ 3,638	\$ 187,352	\$ 4,830
329	Brunelle Cres	PVC	Gravity	T235	200	117.5	1987	65	36	29	\$ 77,300	\$ 11,900	\$ 80,800	\$ 170,000	\$ 2,615	\$ 5,862	\$ 301,894	\$ 7,782
330	St Gregorys Rd	PVC	Gravity	T239	300	91.2	1986	65	37	28	\$ 63,900	\$ 11,900	\$ 18,800	\$ 94,600	\$ 1,455	\$ 3,379	\$ 164,701	\$ 4,445
331	St Gregorys Rd	PVC	Gravity	T241	250	101.1	1986	65	37	28	\$ 67,800	\$ 11,900	\$ 62,200	\$ 141,900	\$ 2,183	\$ 5,068	\$ 247,051	\$ 6,668
332	St Gregorys Rd	PVC	Gravity	T243	200	43.6	1986	65	37	28	\$ 26,500	\$ 8,700	\$ 35,500	\$ 70,700	\$ 1,088	\$ 2,525	\$ 123,090	\$ 3,322
333	St Gregorys Rd	PVC	Gravity	T223	300	7.2	1992	65	31	34	\$ 5,100	\$ 11,900	\$ -	\$ 17,000	\$ 262	\$ 500	\$ 33,331	\$ 694
334	St Gregorys Rd	PVC	Gravity	T223	300	63.8	1992	65	31	34	\$ 44,700	\$ 11,900	\$ 18,800	\$ 75,400	\$ 1,160	\$ 2,218	\$ 147,835	\$ 3,078
335	St Gregorys Rd	PVC	Gravity	T223	250	41.7	1997	65	26	39	\$ 28,000	\$ 11,900	\$ 24,900	\$ 64,800	\$ 997	\$ 1,662	\$ 140,275	\$ 2,409
336	St Gregorys Rd	PVC	Gravity	T225	250	50.5	1997	65	26	39	\$ 31,300	\$ 8,700	\$ 82,900	\$ 122,900	\$ 1,891	\$ 3,151	\$ 266,047	\$ 4,568
337	Michael Dr	PVC	Gravity	T224	250	35.7	1997	65	26	39	\$ 24,000	\$ 11,900	\$ 49,700	\$ 85,600	\$ 1,317	\$ 2,195	\$ 185,302	\$ 3,182
338	Michael Dr	PVC	Gravity	T224	300	77.7	1997	65	26	39	\$ 54,500	\$ 11,900	\$ 81,200	\$ 147,600	\$ 2,271	\$ 3,785	\$ 319,516	\$ 5,486
339	Michael Dr	PVC	Gravity	T224	300	77.6	1997	65	26	39	\$ 54,400	\$ 11,900	\$ 68,700	\$ 135,000	\$ 2,077	\$ 3,462	\$ 292,241	\$ 5,018
340	Michael Dr	PVC	Gravity	T224	300	66.9	1997	65	26	39	\$ 46,900	\$ 11,900	\$ 106,200	\$ 165,000	\$ 2,538	\$ 4,231	\$ 357,183	\$ 6,133
341	Michael Dr	PVC	Gravity	T224	300	124.3	1996	65	27	38	\$ 87,100	\$ 11,900	\$ 181,100	\$ 280,100	\$ 4,309	\$ 7,371	\$ 594,456	\$ 10,594
342	Michael Dr	PVC	Gravity	T224	300	126.4	1996	65	27	38	\$ 88,500	\$ 11,900	\$ 131,200	\$ 231,600	\$ 3,563	\$ 6,095	\$ 491,524	\$ 8,759
343	Revland Dr	PVC	Gravity	T226	250	35.0	1998	65	25	40	\$ 23,500	\$ 11,900	\$ 24,900	\$ 60,300	\$ 928	\$ 1,508	\$ 133,145	\$ 2,204
344	Revland Dr	PVC	Gravity	T227	250	135.1	1998	65	25	40	\$ 90,600	\$ 11,900	\$ 87,000	\$ 189,500	\$ 2,915	\$ 4,738	\$ 418,424	\$ 6,927
345	Revland Dr	PVC	Gravity	T228	250	128.9	1999	65	24	41	\$ 86,400	\$ 11,900	\$ 99,400	\$ 197,700	\$ 3,042	\$ 4,822	\$ 445,260	\$ 7,112
346	Revland Dr	PVC	Gravity	T228	250	132.2	1996	65	27	38	\$ 88,600	\$ 11,900	\$ 118,100	\$ 218,600	\$ 3,363	\$ 5,753	\$ 463,935	\$ 8,268
347	Woodridge Dr	PVC	Gravity	T230	300	70.5	1993	65	30	35	\$ 49,400	\$ 11,900	\$ 31,300	\$ 92,600	\$ 1,425	\$ 2,646	\$ 185,190	\$ 3,704
348	Woodridge Dr	PVC	Gravity	T230	300	120.9	1993	65	30	35	\$ 84,700	\$ 11,900	\$ 87,500	\$ 184,100	\$ 2,832	\$ 5,260	\$ 368,180	\$ 7,364
349	Woodridge Dr	PVC	Gravity	T230	300	122.1	1993	65	30	35	\$ 85,500	\$ 11,900	\$ 93,700	\$ 191,100	\$ 2,940	\$ 5,460	\$ 382,179	\$ 7,644
350	Revland Dr	PVC	Gravity	T228	250	111.4	1998	65	25	40	\$ 68,900	\$ 8,700	\$ 88,800	\$ 166,400	\$ 2,560	\$ 4,160	\$ 367,418	\$ 6,083
351	Revland Dr	PVC	Gravity	T228	250	9.6	1998	65	25	40	\$ 6,500	\$ 11,900	\$ -	\$ 18,400	\$ 283	\$ 460	\$ 40,628	\$ 673
352	Woodridge Dr	PVC	Gravity	T230	300	121.6	1993	65	30	35	\$ 85,200	\$ 11,900	\$ 81,200	\$ 178,300	\$ 2,743	\$ 5,094	\$ 356,580	\$ 7,132
353	Dillon Dr	AC	Gravity	T035	200	41.0	1974	65	49	16	\$ 24,900	\$ 8,700	\$ 35,500	\$ 69,100	\$ 1,063	\$ 4,319	\$ 94,859	\$ 5,089
354	Dillon Dr	AC	Gravity	T035	200	58.2	1974	65	49	16	\$ 35,300	\$ 8,700	\$ 29,600	\$ 73,600	\$ 1,132	\$ 4,600	\$ 101,037	\$ 5,421
355	Dillon Dr	AC	Gravity	T036	200	49.5	1974	65	49	16	\$ 32,600	\$ 11,900	\$ 6,300	\$ 50,800	\$ 782	\$ 3,175	\$ 69,738	\$ 3,741
356	Centennial Dr	AC	Gravity	T170	300	80.8	1974	65	49	16	\$ 56,600	\$ 11,900	\$ 50,000	\$ 118,500	\$ 1,823	\$ 7,406	\$ 162,675	\$ 8,728
357	Centennial Dr	AC	Gravity	T170	300	81.6	1974	65	49	16	\$ 57,200	\$ 11,900	\$ 56,200	\$ 125,300	\$ 1,928	\$ 7,831	\$ 172,010	\$ 9,228
358	Centennial Dr	AC	Gravity	T170	300	80.1	1974	65	49	16	\$ 56,100	\$ 11,900	\$ 56,200	\$ 124,200	\$ 1,911	\$ 7,763	\$ 170,500	\$ 9,147
359	Centennial Dr	AC	Gravity	T037	300	94.9	1974	65	49	16	\$ 66,500	\$ 11,900	\$ 31,300	\$ 109,700	\$ 1,688	\$ 6,856	\$ 150,595	\$ 8,079
360	Centennial Dr	AC	Gravity	T037	300	91.7	1974	65	49	16	\$ 64,200	\$ 11,900	\$ 62,500	\$ 138,600	\$ 2,132	\$ 8,663	\$ 190,268	\$ 10,208
361	Centennial Dr	AC	Gravity	T037	300	91.4	1974	65	49	16	\$ 64,100	\$ 11,900	\$ 31,300	\$ 107,300	\$ 1,651	\$ 6,706	\$ 147,300	\$ 7,903
362	Centennial Dr	AC	Gravity	T096	300	91.9	1974	65	49	16	\$ 64,400	\$ 11,900	\$ 31,300	\$ 107,600	\$ 1,655	\$ 6,725	\$ 147,712	\$ 7,925
363	Centennial Dr	AC	Gravity	T096	300	90.4	1974	65	49	16	\$ 63,300	\$ 11,900	\$ 62,500	\$ 137,700	\$ 2,118	\$ 8,606	\$ 189,033	\$ 10,142

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
364	Centennial Dr	AC	Gravity	T096	300	100.1	1974	65	49	16	\$ 78,200	\$ 25,200	\$ 45,800	\$ 149,200	\$ 2,295	\$ 9,325	\$ 204,820	\$ 10,989
365	Amanda Crt	PVC	Gravity	T041	250	38.6	1986	65	37	28	\$ 23,900	\$ 8,700	\$ 35,500	\$ 68,100	\$ 1,048	\$ 2,432	\$ 118,564	\$ 3,200
366	Amanda Crt	PVC	Gravity	T041	250	67.9	1986	65	37	28	\$ 42,000	\$ 8,700	\$ 47,400	\$ 98,100	\$ 1,509	\$ 3,504	\$ 170,794	\$ 4,610
367	Amanda Crt	PVC	Gravity	T041	250	63.0	1986	65	37	28	\$ 39,000	\$ 8,700	\$ 11,900	\$ 59,600	\$ 917	\$ 2,129	\$ 103,765	\$ 2,801
368	Gauthier Dr	PVC	Gravity	T049	200	126.5	1988	65	35	30	\$ 76,700	\$ 8,700	\$ 41,500	\$ 126,900	\$ 1,952	\$ 4,230	\$ 229,862	\$ 5,666
369	Gauthier Dr	PVC	Gravity	T049	200	118.9	1987	65	36	29	\$ 72,100	\$ 8,700	\$ 76,900	\$ 157,700	\$ 2,426	\$ 5,438	\$ 280,051	\$ 7,219
370	James Cres	PVC	Gravity	T086	200	31.0	1996	65	27	38	\$ 18,800	\$ 8,700	\$ 29,600	\$ 57,100	\$ 878	\$ 1,503	\$ 121,183	\$ 2,160
371	Little River Blvd	AC	Gravity	T097	450	90.3	1979	65	44	21	\$ 68,200	\$ 11,900	\$ -	\$ 80,100	\$ 1,232	\$ 3,814	\$ 121,405	\$ 4,709
372	St Pierre St	AC	Trunk	T197	300	102.2	1974	65	49	16	\$ 66,000	\$ 8,700	\$ 59,500	\$ 134,200	\$ 2,065	\$ 8,388	\$ 184,228	\$ 9,884
373	St Pierre St	AC	Trunk	T214	300	100.2	1974	65	49	16	\$ 64,700	\$ 8,700	\$ 77,300	\$ 150,700	\$ 2,318	\$ 9,419	\$ 206,879	\$ 11,099
374	St Pierre St	AC	Gravity	T214	300	103.5	1974	65	49	16	\$ 66,800	\$ 8,700	\$ 95,200	\$ 170,700	\$ 2,626	\$ 10,669	\$ 234,335	\$ 12,572
375	St Pierre St	AC	Gravity	T214	300	99.6	1974	65	49	16	\$ 64,300	\$ 8,700	\$ 41,700	\$ 114,700	\$ 1,765	\$ 7,169	\$ 157,459	\$ 8,448
376	Lacasse Blvd	AC	Gravity	T027	250	89.8	1974	65	49	16	\$ 55,500	\$ 8,700	\$ 17,800	\$ 82,000	\$ 1,262	\$ 5,125	\$ 112,568	\$ 6,039
377	Lacasse Blvd	AC	Gravity	T027	250	90.2	1974	65	49	16	\$ 55,800	\$ 8,700	\$ 17,800	\$ 82,300	\$ 1,266	\$ 5,144	\$ 112,980	\$ 6,061
378	Lacasse Blvd	AC	Gravity	T065	300	80.4	1974	65	49	16	\$ 51,900	\$ 8,700	\$ 23,800	\$ 84,400	\$ 1,298	\$ 5,275	\$ 115,863	\$ 6,216
379	Lacasse Blvd	AC	Gravity	T064	300	84.7	1974	65	49	16	\$ 66,200	\$ 19,700	\$ 45,800	\$ 131,700	\$ 2,026	\$ 8,231	\$ 180,796	\$ 9,700
380	Lacasse Blvd	AC	Gravity	T064	300	88.3	1974	65	49	16	\$ 81,100	\$ 27,600	\$ 27,400	\$ 136,100	\$ 2,094	\$ 8,506	\$ 186,836	\$ 10,024
381	Arbour St	AC	Gravity	T308	250	88.0	1974	65	49	16	\$ 54,400	\$ 8,700	\$ 71,000	\$ 134,100	\$ 2,063	\$ 8,381	\$ 184,091	\$ 9,876
382	Arbour St	AC	Gravity	T308	250	105.3	1974	65	49	16	\$ 65,100	\$ 8,700	\$ 29,600	\$ 103,400	\$ 1,591	\$ 6,463	\$ 141,946	\$ 7,615
383	Arbour St	AC	Gravity	T310	250	69.7	1974	65	49	16	\$ 43,100	\$ 8,700	\$ 11,900	\$ 63,700	\$ 980	\$ 3,981	\$ 87,446	\$ 4,692
384	Arbour St	AC	Gravity	T310	250	73.5	1974	65	49	16	\$ 45,500	\$ 8,700	\$ 53,300	\$ 107,500	\$ 1,654	\$ 6,719	\$ 147,574	\$ 7,917
385	Renaud St	AC	Gravity	T300	250	108.9	1974	65	49	16	\$ 67,300	\$ 8,700	\$ 76,900	\$ 152,900	\$ 2,352	\$ 9,556	\$ 209,899	\$ 11,261
386	Renaud St	AC	Gravity	T305	250	59.7	1974	65	49	16	\$ 40,100	\$ 11,900	\$ 12,500	\$ 64,500	\$ 992	\$ 4,031	\$ 88,545	\$ 4,750
387	Brenda Cres	AC	Gravity	T203	200	42.7	1990	65	33	32	\$ 25,900	\$ 8,700	\$ -	\$ 34,600	\$ 532	\$ 1,081	\$ 65,205	\$ 1,474
388	Clapp St	AC	Gravity	T127	250	48.1	1974	65	49	16	\$ 32,300	\$ 11,900	\$ 6,300	\$ 50,500	\$ 777	\$ 3,156	\$ 69,326	\$ 3,719
389	First St	AC	Gravity	T248	250	37.7	1974	65	49	16	\$ 23,300	\$ 8,700	\$ 6,000	\$ 38,000	\$ 585	\$ 2,375	\$ 52,166	\$ 2,799
390	First St	AC	Gravity	T248	250	23.5	1974	65	49	16	\$ 15,800	\$ 22,900	\$ -	\$ 38,700	\$ 595	\$ 2,419	\$ 53,127	\$ 2,850
391	Arbour St	AC	Gravity	T294	250	56.4	1974	65	49	16	\$ 37,800	\$ 11,900	\$ 18,700	\$ 68,400	\$ 1,052	\$ 4,275	\$ 93,899	\$ 5,038
392	Tecumseh Rd	AC	Gravity	T268	250	48.1	1974	65	49	16	\$ 32,300	\$ 11,900	\$ 24,900	\$ 69,100	\$ 1,063	\$ 4,319	\$ 94,859	\$ 5,089
393	Dillon Dr	AC	Gravity	T034	250	48.2	1974	65	49	16	\$ 29,800	\$ 8,700	\$ 17,800	\$ 56,300	\$ 866	\$ 3,519	\$ 77,288	\$ 4,147
394	Coronado Dr	AC	Gravity	T029	250	49.6	1974	65	49	16	\$ 30,700	\$ 8,700	\$ 6,000	\$ 45,400	\$ 698	\$ 2,838	\$ 62,324	\$ 3,344
395	Coronado Dr	AC	Gravity	T029	250	24.2	1974	65	49	16	\$ 16,300	\$ 11,900	\$ -	\$ 28,200	\$ 434	\$ 1,763	\$ 38,713	\$ 2,077
396	St Thomas St	AC	Trunk	T156	250	105.9	1974	65	49	16	\$ 65,500	\$ 8,700	\$ 35,500	\$ 109,700	\$ 1,688	\$ 6,856	\$ 150,595	\$ 8,079
397	St Thomas St	AC	Trunk	T156	250	14.8	1974	65	49	16	\$ 10,000	\$ 11,900	\$ -	\$ 21,900	\$ 337	\$ 1,369	\$ 30,064	\$ 1,613
398	Chene St	AC	Gravity	T020	250	80.3	1974	65	49	16	\$ 53,900	\$ 11,900	\$ 18,700	\$ 84,500	\$ 1,300	\$ 5,281	\$ 116,000	\$ 6,223
399	Chene St	AC	Gravity	T020	250	95.8	1974	65	49	16	\$ 64,300	\$ 11,900	\$ 62,200	\$ 138,400	\$ 2,129	\$ 8,650	\$ 189,994	\$ 10,193
400	Chene St	AC	Gravity	T020	250	93.1	1974	65	49	16	\$ 57,600	\$ 8,700	\$ 59,200	\$ 125,500	\$ 1,931	\$ 7,844	\$ 172,285	\$ 9,243
401	Catalina Cove	PVC	Gravity	T004	200	101.2	1992	65	31	34	\$ 61,400	\$ 8,700	\$ 71,000	\$ 141,100	\$ 2,171	\$ 4,150	\$ 276,651	\$ 5,760
402	Riverside Dr E	AC	Gravity	T003	250	26.6	1974	65	49	16	\$ 16,500	\$ 8,700	\$ 6,000	\$ 31,200	\$ 480	\$ 1,950	\$ 42,831	\$ 2,298
403	Riverside Dr E	AC	Gravity	T003	250	62.6	1974	65	49	16	\$ 42,000	\$ 11,900	\$ 18,700	\$ 72,600	\$ 1,117	\$ 4,538	\$ 99,664	\$ 5,347
404	Pinewood Cres	PVC	Gravity	T009	200	122.5	1990	65	33	32	\$ 74,300	\$ 8,700	\$ 47,400	\$ 130,400	\$ 2,006	\$ 4,075	\$ 245,744	\$ 5,556
405	Pinewood Cres	PVC	Gravity	T009	200	25.2	1990	65	33	32	\$ 15,300	\$ 8,700	\$ -	\$ 24,000	\$ 369	\$ 750	\$ 45,229	\$ 1,023
406	Kenney Crt	PVC	Gravity	T018	200	100.7	1987	65	36	29	\$ 61,100	\$ 8,700	\$ 82,900	\$ 152,700	\$ 2,349	\$ 5,266	\$ 271,171	\$ 6,990
407	Kenney Crt	PVC	Gravity	T018	200	111.1	1987	65	36	29	\$ 67,400	\$ 8,700	\$ 41,500	\$ 117,600	\$ 1,809	\$ 4,055	\$ 208,839	\$ 5,384
408	Somerville St	PVC	Gravity	T051	250	47.9	1987	65	36	29	\$ 29,600	\$ 8,700	\$ 17,800	\$ 56,100	\$ 863	\$ 1,934	\$ 99,625	\$ 2,568
409	Somerville St	PVC	Gravity	T051	250	123.1	1987	65	36	29	\$ 82,600	\$ 11,900	\$ 87,000	\$ 181,500	\$ 2,792	\$ 6,259	\$ 322,316	\$ 8,309
410	Dillon Dr	AC	Gravity	T019	200	46.1	1979	65	44	21	\$ 28,000	\$ 8,700	\$ 11,900	\$ 48,600	\$ 748	\$ 2,314	\$ 73,661	\$ 2,857
411	Dillon Dr	AC	Gravity	T021	200	48.9	1979	65	44	21	\$ 29,700	\$ 8,700	\$ 29,600	\$ 68,000	\$ 1,046	\$ 3,238	\$ 103,065	\$ 3,997
412	Southfield Dr	PVC	Gravity	T277	450	60.7	1990	65	33	32	\$ 42,300	\$ 8,700	\$ -	\$ 51,000	\$ 785	\$ 1,594	\$ 96,112	\$ 2,173
413	Southfield Dr	PVC	Gravity	T277	200	6.3	1990	65	33	32	\$ 3,900	\$ 8,700	\$ -	\$ 12,600	\$ 194	\$ 394	\$ 23,745	\$ 537

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
414	Woodridge Dr	AC	Gravity	T168	200	101.7	1974	65	49	16	\$ 61,700	\$ 8,700	\$ 59,200	\$ 129,600	\$ 1,994	\$ 8,100	\$ 177,913	\$ 9,545
415	Woodridge Dr	AC	Gravity	T168	200	93.3	1974	65	49	16	\$ 56,600	\$ 8,700	\$ 59,200	\$ 124,500	\$ 1,915	\$ 7,781	\$ 170,912	\$ 9,169
416	Woodridge Dr	AC	Gravity	T168	200	108.7	1974	65	49	16	\$ 65,900	\$ 8,700	\$ 71,000	\$ 145,600	\$ 2,240	\$ 9,100	\$ 199,878	\$ 10,723
417	Woodridge Dr	AC	Gravity	T168	200	59.9	1974	65	49	16	\$ 44,000	\$ 25,200	\$ 13,100	\$ 82,300	\$ 1,266	\$ 5,144	\$ 112,980	\$ 6,061
418	St Thomas St	PVC	Gravity	T167	300	98.9	1993	65	30	35	\$ 69,300	\$ 11,900	\$ 6,300	\$ 87,500	\$ 1,346	\$ 2,500	\$ 174,990	\$ 3,500
419	St Thomas Cres	PVC	Gravity	T148	250	112.1	1979	65	44	21	\$ 69,300	\$ 8,700	\$ 47,400	\$ 125,400	\$ 1,929	\$ 5,971	\$ 190,065	\$ 7,372
420	St Thomas Cres	PVC	Gravity	T148	250	106.4	1979	65	44	21	\$ 65,800	\$ 8,700	\$ 41,500	\$ 116,000	\$ 1,785	\$ 5,524	\$ 175,817	\$ 6,819
421	St Thomas Cres	PVC	Gravity	T148	250	47.5	1979	65	44	21	\$ 31,900	\$ 11,900	\$ 12,500	\$ 56,300	\$ 866	\$ 2,681	\$ 85,332	\$ 3,310
422	St Thomas Cres	PVC	Gravity	T148	250	44.4	1979	65	44	21	\$ 33,300	\$ 25,200	\$ 13,100	\$ 71,600	\$ 1,102	\$ 3,410	\$ 108,522	\$ 4,209
423	St Thomas Cres	PVC	Gravity	T148	250	88.0	1979	65	44	21	\$ 54,500	\$ 8,700	\$ 35,500	\$ 98,700	\$ 1,518	\$ 4,700	\$ 149,596	\$ 5,802
424	St Thomas Cres	PVC	Gravity	T184	200	64.0	1979	65	44	21	\$ 42,200	\$ 11,900	\$ 24,900	\$ 79,000	\$ 1,215	\$ 3,762	\$ 119,738	\$ 4,644
425	St Thomas Cres	PVC	Gravity	T188	200	61.7	1979	65	44	21	\$ 40,600	\$ 11,900	\$ 31,100	\$ 83,600	\$ 1,286	\$ 3,981	\$ 126,710	\$ 4,914
426	St Thomas Cres	PVC	Gravity	T191	200	41.1	1979	65	44	21	\$ 27,100	\$ 11,900	\$ 18,700	\$ 57,700	\$ 888	\$ 2,748	\$ 87,454	\$ 3,392
427	Appletree Cres	PVC	Gravity	T183	250	88.6	1979	65	44	21	\$ 54,800	\$ 8,700	\$ 35,500	\$ 99,000	\$ 1,523	\$ 4,714	\$ 150,051	\$ 5,820
428	Appletree Cres	PVC	Gravity	T183	250	77.5	1979	65	44	21	\$ 48,000	\$ 8,700	\$ 35,500	\$ 92,200	\$ 1,418	\$ 4,390	\$ 139,744	\$ 5,420
429	Appletree Cres	PVC	Gravity	T183	250	90.2	1979	65	44	21	\$ 60,500	\$ 11,900	\$ 18,700	\$ 91,100	\$ 1,402	\$ 4,338	\$ 138,077	\$ 5,355
430	Orchard Dr	PVC	Gravity	T185	200	109.6	1979	65	44	21	\$ 72,200	\$ 11,900	\$ 37,300	\$ 121,400	\$ 1,868	\$ 5,781	\$ 184,002	\$ 7,136
431	Orchard Dr	PVC	Gravity	T185	200	93.3	1979	65	44	21	\$ 61,400	\$ 11,900	\$ 31,100	\$ 104,400	\$ 1,606	\$ 4,971	\$ 158,236	\$ 6,137
432	Orchard Dr	PVC	Gravity	T186	250	101.8	1979	65	44	21	\$ 68,300	\$ 11,900	\$ 43,500	\$ 123,700	\$ 1,903	\$ 5,890	\$ 187,488	\$ 7,272
433	Lesperance Rd	CONC	Gravity	T190	675	58.5	1974	65	49	16	\$ 63,500	\$ 11,900	\$ 19,300	\$ 94,700	\$ 1,457	\$ 5,919	\$ 130,003	\$ 6,975
434	Lesperance Rd	CONC	Gravity	T187	675	55.1	1974	65	49	16	\$ 66,900	\$ 25,200	\$ 40,300	\$ 132,400	\$ 2,037	\$ 8,275	\$ 181,757	\$ 9,751
435	Lesperance Rd	CONC	Gravity	T195	675	79.0	1974	65	49	16	\$ 85,700	\$ 22,900	\$ 32,100	\$ 140,700	\$ 2,165	\$ 8,794	\$ 193,151	\$ 10,363
436	Lesperance Rd	CONC	Gravity	T190	675	34.0	1974	65	49	16	\$ 36,900	\$ 11,900	\$ 12,900	\$ 61,700	\$ 949	\$ 3,856	\$ 84,701	\$ 4,544
437	Fieldcrest Lane	PVC	Gravity	T279	200	61.6	1998	65	25	40	\$ 40,600	\$ 11,900	\$ 136,700	\$ 189,200	\$ 2,911	\$ 4,730	\$ 417,761	\$ 6,916
438	Fieldcrest Lane	PVC	Gravity	T279	200	47.1	1998	65	25	40	\$ 31,100	\$ 11,900	\$ 80,800	\$ 123,800	\$ 1,905	\$ 3,095	\$ 273,355	\$ 4,526
439	Fieldcrest Lane	PVC	Gravity	T279	200	48.1	1998	65	25	40	\$ 29,200	\$ 8,700	\$ 41,500	\$ 79,400	\$ 1,222	\$ 1,985	\$ 175,318	\$ 2,903
440	Brouillette Crt	PVC	Gravity	T280	200	20.8	1998	65	25	40	\$ 13,700	\$ 11,900	\$ 18,700	\$ 44,300	\$ 682	\$ 1,108	\$ 97,816	\$ 1,619
441	Brouillette Crt	PVC	Gravity	T280	200	95.5	2003	65	20	45	\$ 57,900	\$ 8,700	\$ 59,200	\$ 125,800	\$ 1,935	\$ 2,796	\$ 306,682	\$ 4,266
442	Brouillette Crt	PVC	Gravity	T280	200	27.9	2003	65	20	45	\$ 17,000	\$ 8,700	\$ 11,900	\$ 37,600	\$ 578	\$ 836	\$ 91,663	\$ 1,275
443	Poisson St	PVC	Gravity	T292	250	122.6	2000	65	23	42	\$ 75,800	\$ 8,700	\$ 147,900	\$ 232,400	\$ 3,575	\$ 5,533	\$ 533,880	\$ 8,231
444	Poisson St	PVC	Gravity	T292	250	122.3	2000	65	23	42	\$ 75,700	\$ 8,700	\$ 47,400	\$ 131,800	\$ 2,028	\$ 3,138	\$ 302,777	\$ 4,668
445	Renaud St	AC	Gravity	T300	250	35.1	1974	65	49	16	\$ 21,700	\$ 8,700	\$ 17,800	\$ 48,200	\$ 742	\$ 3,013	\$ 66,168	\$ 3,550
446	Renaud St	AC	Gravity	T304	250	61.6	1974	65	49	16	\$ 41,300	\$ 11,900	\$ 12,500	\$ 65,700	\$ 1,011	\$ 4,106	\$ 90,192	\$ 4,839
447	Demarse Crt	PVC	Gravity	T301	250	47.8	1995	65	28	37	\$ 32,100	\$ 11,900	\$ -	\$ 44,000	\$ 677	\$ 1,189	\$ 91,550	\$ 1,694
448	Demarse Crt	PVC	Gravity	T301	250	27.0	1995	65	28	37	\$ 18,100	\$ 11,900	\$ -	\$ 30,000	\$ 462	\$ 811	\$ 62,421	\$ 1,155
449	Demarse Crt	PVC	Gravity	T301	250	45.2	1995	65	28	37	\$ 28,000	\$ 8,700	\$ -	\$ 36,700	\$ 565	\$ 992	\$ 76,361	\$ 1,413
450	James Cres	PVC	Gravity	T085	200	80.4	1996	65	27	38	\$ 53,000	\$ 11,900	\$ 43,500	\$ 108,400	\$ 1,668	\$ 2,853	\$ 230,057	\$ 4,100
451	Simard Cres	AC	Gravity	T088	200	79.4	1979	65	44	21	\$ 52,300	\$ 11,900	\$ 55,900	\$ 120,100	\$ 1,848	\$ 5,719	\$ 182,032	\$ 7,060
452	Revland Dr	PVC	Gravity	T166	250	122.7	1990	65	33	32	\$ 82,300	\$ 11,900	\$ 87,000	\$ 181,200	\$ 2,788	\$ 5,663	\$ 341,479	\$ 7,721
453	Revland Dr	PVC	Gravity	T166	250	121.3	1990	65	33	32	\$ 81,300	\$ 11,900	\$ 74,600	\$ 167,800	\$ 2,582	\$ 5,244	\$ 316,226	\$ 7,150
454	Revland Dr	PVC	Gravity	T166	250	4.0	1990	65	33	32	\$ 2,700	\$ 11,900	\$ -	\$ 14,600	\$ 225	\$ 456	\$ 27,514	\$ 622
455	Little River Blvd	CONC	Gravity	T092	750	79.6	1974	65	49	16	\$ 110,400	\$ 25,200	\$ 26,900	\$ 162,500	\$ 2,500	\$ 10,156	\$ 223,078	\$ 11,968
456	Little River Blvd	CONC	Gravity	T091	750	29.4	1974	65	49	16	\$ 40,800	\$ 25,200	\$ 13,500	\$ 79,500	\$ 1,223	\$ 4,969	\$ 109,136	\$ 5,855
457	Revland Dr	PVC	Gravity	T166	250	66.9	1997	65	26	39	\$ 41,400	\$ 8,700	\$ 47,400	\$ 97,500	\$ 1,500	\$ 2,500	\$ 211,063	\$ 3,624
458	Revland Dr	PVC	Gravity	T166	250	117.7	1992	65	31	34	\$ 78,900	\$ 11,900	\$ 93,200	\$ 184,000	\$ 2,831	\$ 5,412	\$ 360,764	\$ 7,511
459	Woodridge Dr	AC	Gravity	T093	200	32.8	1974	65	49	16	\$ 21,600	\$ 11,900	\$ -	\$ 33,500	\$ 515	\$ 2,094	\$ 45,988	\$ 2,467
460	Woodridge Dr	AC	Gravity	T093	200	112.5	1975	65	48	17	\$ 74,100	\$ 11,900	\$ 43,500	\$ 129,500	\$ 1,992	\$ 7,618	\$ 181,331	\$ 9,061
461	Woodridge Dr	AC	Gravity	T093	200	108.4	1975	65	48	17	\$ 71,400	\$ 11,900	\$ 62,200	\$ 145,500	\$ 2,238	\$ 8,559	\$ 203,735	\$ 10,181
462	Woodridge Dr	AC	Gravity	T093	200	51.4	1975	65	48	17	\$ 37,700	\$ 25,200	\$ -	\$ 62,900	\$ 968	\$ 3,700	\$ 88,075	\$ 4,401
463	Little River Blvd	CONC	Gravity	T098	675	21.1	1974	65	49	16	\$ 23,000	\$ 22,900	\$ 6,500	\$ 52,400	\$ 806	\$ 3,275	\$ 71,934	\$ 3,859

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
464	Little River Blvd	CONC	Gravity	T097	675	70.6	1974	65	49	16	\$ 85,800	\$ 25,200	\$ -	\$ 111,000	\$ 1,708	\$ 6,938	\$ 152,379	\$ 8,175
465	Dube Dr	PVC	Gravity	T140	250	74.9	1989	65	34	31	\$ 56,100	\$ 19,700	\$ 13,100	\$ 88,900	\$ 1,368	\$ 2,868	\$ 164,251	\$ 3,876
466	Lacasse Blvd	PVC	Gravity	T141	250	107.7	1988	65	35	30	\$ 80,600	\$ 19,700	\$ -	\$ 100,300	\$ 1,543	\$ 3,343	\$ 181,680	\$ 4,478
467	Lacasse Blvd	PVC	Gravity	T141	250	2.7	1988	65	35	30	\$ 2,100	\$ 19,700	\$ -	\$ 21,800	\$ 335	\$ 727	\$ 39,488	\$ 973
468	Little River Blvd	CONC	Gravity	T063	900	9.4	1974	65	49	16	\$ 19,100	\$ 27,600	\$ -	\$ 46,700	\$ 718	\$ 2,919	\$ 64,109	\$ 3,439
469	Little River Blvd	CONC	Gravity	T063	900	105.6	1974	65	49	16	\$ 179,800	\$ 25,200	\$ 27,100	\$ 232,100	\$ 3,571	\$ 14,506	\$ 318,624	\$ 17,094
470	Jelso Pl	PVC	Gravity	T148	200	53.7	1987	65	36	29	\$ 32,600	\$ 8,700	\$ 41,500	\$ 82,800	\$ 1,274	\$ 2,855	\$ 147,040	\$ 3,790
471	Jelso Pl	PVC	Gravity	T143	200	25.4	1987	65	36	29	\$ 15,400	\$ 8,700	\$ 23,700	\$ 47,800	\$ 735	\$ 1,648	\$ 84,885	\$ 2,188
472	Jelso Pl	PVC	Gravity	T148	200	28.9	1987	65	36	29	\$ 19,000	\$ 11,900	\$ 12,500	\$ 43,400	\$ 668	\$ 1,497	\$ 77,072	\$ 1,987
473	Jelso Pl	PVC	Gravity	T148	250	71.1	1987	65	36	29	\$ 47,700	\$ 11,900	\$ 18,700	\$ 78,300	\$ 1,205	\$ 2,700	\$ 139,049	\$ 3,584
474	Kimberly Dr	PVC	Gravity	T142	250	35.2	1987	65	36	29	\$ 23,600	\$ 11,900	\$ 18,700	\$ 54,200	\$ 834	\$ 1,869	\$ 96,251	\$ 2,481
475	Kimberly Dr	PVC	Gravity	T142	250	77.3	1987	65	36	29	\$ 57,900	\$ 19,700	\$ 39,100	\$ 116,700	\$ 1,795	\$ 4,024	\$ 207,241	\$ 5,342
476	Kimberly Dr	PVC	Gravity	T144	200	31.0	1987	65	36	29	\$ 20,500	\$ 11,900	\$ 31,100	\$ 63,500	\$ 977	\$ 2,190	\$ 112,766	\$ 2,907
477	Kimberly Dr	PVC	Gravity	T144	200	111.7	1987	65	36	29	\$ 73,500	\$ 11,900	\$ 49,700	\$ 135,100	\$ 2,078	\$ 4,659	\$ 239,917	\$ 6,185
478	Kimberly Dr	AC	Gravity	T144	250	39.1	1979	65	44	21	\$ 26,200	\$ 11,900	\$ 18,700	\$ 56,800	\$ 874	\$ 2,705	\$ 86,090	\$ 3,339
479	Kimberly Dr	AC	Gravity	T144	250	121.2	1979	65	44	21	\$ 81,300	\$ 11,900	\$ 62,200	\$ 155,400	\$ 2,391	\$ 7,400	\$ 235,535	\$ 9,135
480	Kimberly Dr	AC	Gravity	T146	250	71.3	1979	65	44	21	\$ 47,800	\$ 11,900	\$ 37,300	\$ 97,000	\$ 1,492	\$ 4,619	\$ 147,020	\$ 5,702
481	Kimberly Dr	AC	Gravity	T146	250	69.9	1979	65	44	21	\$ 46,900	\$ 11,900	\$ 37,300	\$ 96,100	\$ 1,478	\$ 4,576	\$ 145,656	\$ 5,649
482	Shawn Ave	AC	Gravity	T145	250	110.2	1979	65	44	21	\$ 73,900	\$ 11,900	\$ 49,700	\$ 135,500	\$ 2,085	\$ 6,452	\$ 205,373	\$ 7,965
483	Shawn Ave	AC	Gravity	T147	250	99.4	1979	65	44	21	\$ 66,600	\$ 11,900	\$ 31,100	\$ 109,600	\$ 1,686	\$ 5,219	\$ 166,117	\$ 6,443
484	Little River Blvd	CONC	Gravity	T081	750	57.7	1974	65	49	16	\$ 80,000	\$ 25,200	\$ 6,800	\$ 112,000	\$ 1,723	\$ 7,000	\$ 153,752	\$ 8,249
485	Little River Blvd	CONC	Gravity	T080	750	17.8	1974	65	49	16	\$ 24,700	\$ 25,200	\$ -	\$ 49,900	\$ 768	\$ 3,119	\$ 68,502	\$ 3,675
486	Gauthier Dr	PVC	Gravity	T049	200	118.9	1986	65	37	28	\$ 78,300	\$ 11,900	\$ 87,000	\$ 177,200	\$ 2,726	\$ 6,329	\$ 308,509	\$ 8,327
487	Gauthier Dr	PVC	Gravity	T048	200	23.3	1986	65	37	28	\$ 15,400	\$ 11,900	\$ -	\$ 27,300	\$ 420	\$ 975	\$ 47,530	\$ 1,283
488	Gauthier Dr	PVC	Gravity	T104	250	123.4	1986	65	37	28	\$ 108,400	\$ 23,700	\$ 54,500	\$ 186,600	\$ 2,871	\$ 6,664	\$ 324,875	\$ 8,768
489	Chene St	AC	Gravity	T053	250	100.5	1979	65	44	21	\$ 62,200	\$ 8,700	\$ 41,500	\$ 112,400	\$ 1,729	\$ 5,352	\$ 170,361	\$ 6,607
490	Chene St	AC	Gravity	T053	250	92.7	1979	65	44	21	\$ 62,200	\$ 11,900	\$ 74,600	\$ 148,700	\$ 2,288	\$ 7,081	\$ 225,380	\$ 8,741
491	Chene St	AC	Gravity	T053	250	77.0	1979	65	44	21	\$ 51,600	\$ 11,900	\$ 18,700	\$ 82,200	\$ 1,265	\$ 3,914	\$ 124,588	\$ 4,832
492	Chene Crt	AC	Gravity	T054	200	34.2	1979	65	44	21	\$ 22,500	\$ 11,900	\$ 43,500	\$ 77,900	\$ 1,198	\$ 3,710	\$ 118,070	\$ 4,579
493	Little River Blvd	AC	Gravity	T055	250	66.3	1979	65	44	21	\$ 44,500	\$ 11,900	\$ 31,100	\$ 87,500	\$ 1,346	\$ 4,167	\$ 132,621	\$ 5,144
494	Little River Blvd	AC	Gravity	T055	250	56.3	1979	65	44	21	\$ 42,200	\$ 19,700	\$ -	\$ 61,900	\$ 952	\$ 2,948	\$ 93,820	\$ 3,639
495	Keith Crt	PVC	Gravity	T072	200	41.0	1984	65	39	26	\$ 27,100	\$ 11,900	\$ 12,500	\$ 51,500	\$ 792	\$ 1,981	\$ 86,181	\$ 2,560
496	Keith Crt	PVC	Gravity	T072	200	62.9	1984	65	39	26	\$ 41,400	\$ 11,900	\$ 24,900	\$ 78,200	\$ 1,203	\$ 3,008	\$ 130,861	\$ 3,886
497	Keith Crt	PVC	Gravity	T072	200	71.3	1984	65	39	26	\$ 46,900	\$ 11,900	\$ 18,700	\$ 77,500	\$ 1,192	\$ 2,981	\$ 129,690	\$ 3,852
498	Lacasse Blvd	AC	Gravity	T064	300	53.2	1974	65	49	16	\$ 41,600	\$ 19,700	\$ 32,800	\$ 94,100	\$ 1,448	\$ 5,881	\$ 129,179	\$ 6,930
499	Lacasse Blvd	AC	Gravity	T064	300	27.7	1974	65	49	16	\$ 25,400	\$ 27,600	\$ 6,900	\$ 59,900	\$ 922	\$ 3,744	\$ 82,230	\$ 4,412
500	Little River Blvd	CONC	Gravity	T090	750	78.8	1974	65	49	16	\$ 109,300	\$ 25,200	\$ 33,700	\$ 168,200	\$ 2,588	\$ 10,513	\$ 230,903	\$ 12,388
501	Little River Blvd	CONC	Gravity	T083	750	13.3	1974	65	49	16	\$ 18,500	\$ 25,200	\$ 13,500	\$ 57,200	\$ 880	\$ 3,575	\$ 78,523	\$ 4,213
502	Michael Dr	AC	Gravity	T089	250	105.2	1979	65	44	21	\$ 70,500	\$ 11,900	\$ 43,500	\$ 125,900	\$ 1,937	\$ 5,995	\$ 190,822	\$ 7,401
503	Michael Dr	AC	Gravity	T087	250	95.6	1979	65	44	21	\$ 64,100	\$ 11,900	\$ 43,500	\$ 119,500	\$ 1,838	\$ 5,690	\$ 181,122	\$ 7,025
504	Michael Dr	AC	Gravity	T084	250	48.9	1979	65	44	21	\$ 32,800	\$ 11,900	\$ 12,500	\$ 57,200	\$ 880	\$ 2,724	\$ 86,696	\$ 3,362
505	Michael Dr	AC	Gravity	T084	250	54.0	1979	65	44	21	\$ 40,400	\$ 25,200	\$ 13,100	\$ 78,700	\$ 1,211	\$ 3,748	\$ 119,283	\$ 4,626
506	James Cres	PVC	Gravity	T086	200	84.6	1996	65	27	38	\$ 51,300	\$ 8,700	\$ 65,100	\$ 125,100	\$ 1,925	\$ 3,292	\$ 265,500	\$ 4,731
507	Champ Cres	PVC	Gravity	T276	200	43.5	2003	65	20	45	\$ 26,400	\$ 8,700	\$ 94,700	\$ 129,800	\$ 1,997	\$ 2,884	\$ 316,433	\$ 4,401
508	Champ Cres	PVC	Gravity	T278	200	58.1	2003	65	20	45	\$ 35,300	\$ 8,700	\$ 65,100	\$ 109,100	\$ 1,678	\$ 2,424	\$ 265,970	\$ 3,700
509	Champ Cres	PVC	Gravity	T278	200	20.9	2003	65	20	45	\$ 12,700	\$ 8,700	\$ 6,000	\$ 27,400	\$ 422	\$ 609	\$ 66,797	\$ 929
522	Southfield Dr	PVC	Gravity	T277	200	55.3	1990	65	33	32	\$ 40,600	\$ 19,700	\$ -	\$ 60,300	\$ 928	\$ 1,884	\$ 113,638	\$ 2,569
523	Southfield Dr	PVC	Gravity	T277	200	61.2	1990	65	33	32	\$ 37,100	\$ 8,700	\$ -	\$ 45,800	\$ 705	\$ 1,431	\$ 86,312	\$ 1,952
524	Southfield Dr	PVC	Gravity	T277	200	63.2	1990	65	33	32	\$ 38,400	\$ 8,700	\$ -	\$ 47,100	\$ 725	\$ 1,472	\$ 88,762	\$ 2,007
525	Southfield Dr	PVC	Gravity	T277	450	60.8	1990	65	33	32	\$ 42,400	\$ 8,700	\$ -	\$ 51,100	\$ 786	\$ 1,597	\$ 96,300	\$ 2,177

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
526	Demarse Crt	PVC	Gravity	T302	200	17.8	1995	65	28	37	\$ 10,800	\$ 8,700	\$ 35,500	\$ 55,000	\$ 846	\$ 1,486	\$ 114,438	\$ 2,118
527	Demarse Crt	PVC	Gravity	T302	250	88.8	1995	65	28	37	\$ 59,500	\$ 11,900	\$ 62,200	\$ 133,600	\$ 2,055	\$ 3,611	\$ 277,980	\$ 5,145
528	Demarse Crt	PVC	Gravity	T303	200	28.3	1995	65	28	37	\$ 17,200	\$ 8,700	\$ 47,400	\$ 73,300	\$ 1,128	\$ 1,981	\$ 152,514	\$ 2,823
529	Demarse Crt	PVC	Gravity	T303	250	54.3	1995	65	28	37	\$ 36,400	\$ 11,900	\$ 49,700	\$ 98,000	\$ 1,508	\$ 2,649	\$ 203,907	\$ 3,774
530	Gauthier Dr	AC	Gravity	T107	250	63.9	1974	65	49	16	\$ 56,200	\$ 23,700	\$ 6,900	\$ 86,800	\$ 1,335	\$ 5,425	\$ 119,158	\$ 6,393
531	Gauthier Dr	AC	Gravity	T107	200	40.6	1979	65	44	21	\$ 24,600	\$ 8,700	\$ 17,800	\$ 51,100	\$ 786	\$ 2,433	\$ 77,451	\$ 3,004
532	Gauthier Dr	AC	Gravity	T110	200	45.7	1979	65	44	21	\$ 27,700	\$ 8,700	\$ 17,800	\$ 54,200	\$ 834	\$ 2,581	\$ 82,149	\$ 3,186
533	Oliver Dr	AC	Gravity	T108	200	60.7	1979	65	44	21	\$ 36,800	\$ 8,700	\$ 6,000	\$ 51,500	\$ 792	\$ 2,452	\$ 78,057	\$ 3,027
534	Oliver Dr	AC	Gravity	T108	200	80.0	1979	65	44	21	\$ 52,700	\$ 11,900	\$ 31,100	\$ 95,700	\$ 1,472	\$ 4,557	\$ 145,049	\$ 5,626
535	Oliver Dr	AC	Gravity	T108	200	80.8	1979	65	44	21	\$ 53,200	\$ 11,900	\$ 37,300	\$ 102,400	\$ 1,575	\$ 4,876	\$ 155,204	\$ 6,020
536	Oliver Dr	AC	Gravity	T108	200	71.4	1979	65	44	21	\$ 47,000	\$ 11,900	\$ 12,500	\$ 71,400	\$ 1,098	\$ 3,400	\$ 108,219	\$ 4,197
537	Oliver Dr	AC	Gravity	T108	200	19.9	1979	65	44	21	\$ 14,700	\$ 25,200	\$ 6,600	\$ 46,500	\$ 715	\$ 2,214	\$ 70,478	\$ 2,733
538	Gauthier Dr	PVC	Gravity	T110	200	45.2	1987	65	36	29	\$ 29,800	\$ 11,900	\$ 18,700	\$ 60,400	\$ 929	\$ 2,083	\$ 107,261	\$ 2,765
539	Gauthier Dr	PVC	Gravity	T112	200	40.2	1987	65	36	29	\$ 26,500	\$ 11,900	\$ 12,500	\$ 50,900	\$ 783	\$ 1,755	\$ 90,390	\$ 2,330
540	Gauthier Dr	PVC	Gravity	T112	200	33.7	1980	65	43	22	\$ 20,500	\$ 8,700	\$ 11,900	\$ 41,100	\$ 632	\$ 1,868	\$ 63,540	\$ 2,328
541	Gauthier Dr	PVC	Gravity	T119	200	46.6	1980	65	43	22	\$ 28,300	\$ 8,700	\$ 17,800	\$ 54,800	\$ 843	\$ 2,491	\$ 84,720	\$ 3,103
542	Gauthier Dr	PVC	Gravity	T119	250	73.0	1979	65	44	21	\$ 45,200	\$ 8,700	\$ 35,500	\$ 89,400	\$ 1,375	\$ 4,257	\$ 135,501	\$ 5,255
543	Gauthier Dr	PVC	Gravity	T122	250	91.5	1979	65	44	21	\$ 56,600	\$ 8,700	\$ 35,500	\$ 100,800	\$ 1,551	\$ 4,800	\$ 152,779	\$ 5,926
544	Evergreen Dr	PVC	Gravity	T120	250	57.3	1979	65	44	21	\$ 35,500	\$ 8,700	\$ 6,000	\$ 50,200	\$ 772	\$ 2,390	\$ 76,086	\$ 2,951
545	Gauthier Dr	PVC	Gravity	T122	250	94.2	1979	65	44	21	\$ 58,200	\$ 8,700	\$ 41,500	\$ 108,400	\$ 1,668	\$ 5,162	\$ 164,298	\$ 6,372
546	Gauthier Dr	PVC	Gravity	T122	250	104.5	1979	65	44	21	\$ 64,700	\$ 8,700	\$ 47,400	\$ 120,800	\$ 1,858	\$ 5,752	\$ 183,092	\$ 7,101
547	Gauthier Dr	PVC	Gravity	T122	250	96.7	1979	65	44	21	\$ 64,800	\$ 11,900	\$ 43,500	\$ 120,200	\$ 1,849	\$ 5,724	\$ 182,183	\$ 7,066
548	Gauthier Dr	PVC	Gravity	T122	250	99.4	1979	65	44	21	\$ 66,700	\$ 11,900	\$ 37,300	\$ 115,900	\$ 1,783	\$ 5,519	\$ 175,666	\$ 6,813
549	Gauthier Dr	PVC	Gravity	T122	250	17.1	1979	65	44	21	\$ 12,800	\$ 25,200	\$ -	\$ 38,000	\$ 585	\$ 1,810	\$ 57,595	\$ 2,234
550	Primrose Pl	PVC	Gravity	T240	250	104.4	1986	65	37	28	\$ 70,000	\$ 11,900	\$ 105,600	\$ 187,500	\$ 2,885	\$ 6,696	\$ 326,442	\$ 8,811
551	Primrose Pl	PVC	Gravity	T240	250	44.5	1986	65	37	28	\$ 29,900	\$ 11,900	\$ -	\$ 41,800	\$ 643	\$ 1,493	\$ 72,775	\$ 1,964
552	Juniper Crt	PVC	Gravity	T242	250	35.8	1986	65	37	28	\$ 22,200	\$ 8,700	\$ 6,000	\$ 36,900	\$ 568	\$ 1,318	\$ 64,244	\$ 1,734
553	Juniper Crt	PVC	Gravity	T242	250	71.6	1986	65	37	28	\$ 44,300	\$ 8,700	\$ 71,000	\$ 124,000	\$ 1,908	\$ 4,429	\$ 215,887	\$ 5,827
554	Juniper Crt	PVC	Gravity	T242	250	63.0	1986	65	37	28	\$ 39,000	\$ 8,700	\$ 17,800	\$ 65,500	\$ 1,008	\$ 2,339	\$ 114,037	\$ 3,078
555	Meadowland Cres	PVC	Gravity	T257	250	105.9	1987	65	36	29	\$ 71,000	\$ 11,900	\$ 74,600	\$ 157,500	\$ 2,423	\$ 5,431	\$ 279,696	\$ 7,210
556	Meadowland Cres	PVC	Gravity	T257	250	105.6	1987	65	36	29	\$ 70,800	\$ 11,900	\$ 80,800	\$ 163,500	\$ 2,515	\$ 5,638	\$ 290,351	\$ 7,485
557	Poisson St	AC	Gravity	T297	250	85.6	1974	65	49	16	\$ 57,400	\$ 11,900	\$ 24,900	\$ 94,200	\$ 1,449	\$ 5,888	\$ 129,316	\$ 6,938
559	Tecumseh Rd	PVC	Gravity	T264	250	114.1	1981	65	42	23	\$ 76,500	\$ 11,900	\$ 12,500	\$ 100,900	\$ 1,552	\$ 4,387	\$ 159,109	\$ 5,516
560	St Anne Blvd	AC	Gravity	T298	250	88.4	1974	65	49	16	\$ 54,700	\$ 8,700	\$ 35,500	\$ 98,900	\$ 1,522	\$ 6,181	\$ 135,769	\$ 7,284
562	Border Cres	PVC	Gravity	T271	200	70.7	1996	65	27	38	\$ 42,900	\$ 8,700	\$ 153,800	\$ 205,400	\$ 3,160	\$ 5,405	\$ 435,920	\$ 7,768
563	Border Cres	PVC	Gravity	T271	200	35.2	1996	65	27	38	\$ 21,400	\$ 8,700	\$ 71,000	\$ 101,100	\$ 1,555	\$ 2,661	\$ 214,564	\$ 3,824
564	Border Cres	PVC	Gravity	T271	200	38.1	1996	65	27	38	\$ 25,100	\$ 11,900	\$ 55,900	\$ 92,900	\$ 1,429	\$ 2,445	\$ 197,162	\$ 3,514
565	Mickaila Cres	PVC	Gravity	T274	200	91.7	1996	65	27	38	\$ 55,600	\$ 8,700	\$ 165,700	\$ 230,000	\$ 3,538	\$ 6,053	\$ 488,129	\$ 8,699
566	Renaud St	AC	Gravity	T305	250	51.1	1974	65	49	16	\$ 31,600	\$ 8,700	\$ 29,600	\$ 69,900	\$ 1,075	\$ 4,369	\$ 95,958	\$ 5,148
567	Renaud St	AC	Gravity	T305	250	35.6	1974	65	49	16	\$ 23,900	\$ 11,900	\$ 24,900	\$ 60,700	\$ 934	\$ 3,794	\$ 83,328	\$ 4,471
568	Lesperance Rd	CONC	Gravity	T312	600	104.0	1974	65	49	16	\$ 99,600	\$ 11,900	\$ 32,100	\$ 143,600	\$ 2,209	\$ 8,975	\$ 197,132	\$ 10,576
569	Lanoue St	PVC	Gravity	T315	200	52.1	1991	65	32	33	\$ 31,600	\$ 8,700	\$ 29,600	\$ 69,900	\$ 1,075	\$ 2,118	\$ 134,364	\$ 2,914
570	Lanoue St	PVC	Gravity	T316	200	72.6	1991	65	32	33	\$ 44,000	\$ 8,700	\$ 53,300	\$ 106,000	\$ 1,631	\$ 3,212	\$ 203,757	\$ 4,419
571	Arbour St	PVC	Gravity	T310	200	60.8	1991	65	32	33	\$ 36,900	\$ 8,700	\$ 6,000	\$ 51,600	\$ 794	\$ 1,564	\$ 99,187	\$ 2,151
572	Lanoue St	PVC	Gravity	T317	200	119.3	1991	65	32	33	\$ 72,300	\$ 8,700	\$ 94,700	\$ 175,700	\$ 2,703	\$ 5,324	\$ 337,736	\$ 7,324
573	Lanoue St	PVC	Gravity	T317	200	43.2	1992	65	31	34	\$ 26,200	\$ 8,700	\$ 29,600	\$ 64,500	\$ 992	\$ 1,897	\$ 126,464	\$ 2,633
574	Lanoue St	PVC	Gravity	T317	200	75.8	1992	65	31	34	\$ 46,000	\$ 8,700	\$ 59,200	\$ 113,900	\$ 1,752	\$ 3,350	\$ 223,321	\$ 4,649
575	Lanoue St	PVC	Gravity	T317	200	114.5	1992	65	31	34	\$ 69,400	\$ 8,700	\$ 59,200	\$ 137,300	\$ 2,112	\$ 4,038	\$ 269,201	\$ 5,604
583	Lanoue St	PVC	Gravity	T317	200	94.8	1995	65	28	37	\$ 57,500	\$ 8,700	\$ 94,700	\$ 160,900	\$ 2,475	\$ 4,349	\$ 334,782	\$ 6,196
584	Lanoue St	PVC	Gravity	T317	200	90.2	1995	65	28	37	\$ 54,700	\$ 8,700	\$ 71,000	\$ 134,400	\$ 2,068	\$ 3,632	\$ 279,644	\$ 5,175

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
585	Lanoue St	PVC	Gravity	T317	200	93.8	1995	65	28	37	\$ 61,800	\$ 11,900	\$ 68,400	\$ 142,100	\$ 2,186	\$ 3,841	\$ 295,665	\$ 5,472
586	Lanoue St	PVC	Gravity	T317	250	121.0	1994	65	29	36	\$ 74,800	\$ 8,700	\$ 82,900	\$ 166,400	\$ 2,560	\$ 4,622	\$ 339,437	\$ 6,528
587	Northfield Way	PVC	Gravity	T324	200	39.5	1994	65	29	36	\$ 24,000	\$ 8,700	\$ -	\$ 32,700	\$ 503	\$ 908	\$ 66,704	\$ 1,283
588	Northfield Way	PVC	Gravity	T324	200	97.3	1994	65	29	36	\$ 59,000	\$ 8,700	\$ 65,100	\$ 132,800	\$ 2,043	\$ 3,689	\$ 270,897	\$ 5,210
589	Northfield Way	PVC	Gravity	T324	200	97.5	1994	65	29	36	\$ 59,200	\$ 8,700	\$ 71,000	\$ 138,900	\$ 2,137	\$ 3,858	\$ 283,340	\$ 5,449
590	Shelley Crt	PVC	Gravity	T323	200	98.9	1994	65	29	36	\$ 60,000	\$ 8,700	\$ 82,900	\$ 151,600	\$ 2,332	\$ 4,211	\$ 309,247	\$ 5,948
591	Shelley Crt	PVC	Gravity	T323	200	47.0	1994	65	29	36	\$ 28,500	\$ 8,700	\$ 11,900	\$ 49,100	\$ 755	\$ 1,364	\$ 100,158	\$ 1,926
592	Northfield Way	PVC	Gravity	T324	200	83.4	1994	65	29	36	\$ 50,600	\$ 8,700	\$ 65,100	\$ 124,400	\$ 1,914	\$ 3,456	\$ 253,762	\$ 4,881
593	Northfield Way	PVC	Gravity	T322	250	93.8	1994	65	29	36	\$ 58,000	\$ 8,700	\$ 59,200	\$ 125,900	\$ 1,937	\$ 3,497	\$ 256,822	\$ 4,939
594	Jacie Crt	PVC	Gravity	T321	200	122.4	1994	65	29	36	\$ 74,200	\$ 8,700	\$ 100,600	\$ 183,500	\$ 2,823	\$ 5,097	\$ 374,319	\$ 7,199
595	Jacie Crt	PVC	Gravity	T321	200	43.9	1994	65	29	36	\$ 26,700	\$ 8,700	\$ -	\$ 35,400	\$ 545	\$ 983	\$ 72,212	\$ 1,389
596	Northfield Way	PVC	Gravity	T320	250	67.7	1993	65	30	35	\$ 41,900	\$ 8,700	\$ 53,300	\$ 103,900	\$ 1,598	\$ 2,969	\$ 207,789	\$ 4,156
597	Northfield Way	PVC	Gravity	T320	250	50.5	1993	65	30	35	\$ 31,300	\$ 8,700	\$ 23,700	\$ 63,700	\$ 980	\$ 1,820	\$ 127,393	\$ 2,548
598	Lanoue St	PVC	Gravity	T318	200	51.3	1993	65	30	35	\$ 31,200	\$ 8,700	\$ 23,700	\$ 63,600	\$ 978	\$ 1,817	\$ 127,193	\$ 2,544
599	Lemire St	PVC	Gravity	T319	250	119.2	1993	65	30	35	\$ 73,700	\$ 8,700	\$ 71,000	\$ 153,400	\$ 2,360	\$ 4,383	\$ 306,783	\$ 6,136
600	Lemire St	PVC	Gravity	T319	250	82.8	1993	65	30	35	\$ 51,200	\$ 8,700	\$ 71,000	\$ 130,900	\$ 2,014	\$ 3,740	\$ 261,786	\$ 5,236
601	Lemire St	PVC	Gravity	T319	250	61.9	1993	65	30	35	\$ 41,500	\$ 11,900	\$ 24,900	\$ 78,300	\$ 1,205	\$ 2,237	\$ 156,591	\$ 3,132
602	Lanoue St	PVC	Gravity	T325	250	129.0	1994	65	29	36	\$ 79,800	\$ 8,700	\$ 88,800	\$ 177,300	\$ 2,728	\$ 4,925	\$ 361,672	\$ 6,956
603	Lemire St	PVC	Gravity	T319	300	123.3	1993	65	30	35	\$ 79,600	\$ 8,700	\$ 77,300	\$ 165,600	\$ 2,548	\$ 4,731	\$ 331,182	\$ 6,624
604	Lemire St	PVC	Gravity	T319	300	37.1	1993	65	30	35	\$ 26,000	\$ 11,900	\$ 18,800	\$ 56,700	\$ 872	\$ 1,620	\$ 113,394	\$ 2,268
605	Lemire St	PVC	Gravity	T319	300	70.0	1993	65	30	35	\$ 49,000	\$ 11,900	\$ 18,800	\$ 79,700	\$ 1,226	\$ 2,277	\$ 159,391	\$ 3,188
606	Lemire St	PVC	Gravity	T319	375	49.7	1993	65	30	35	\$ 36,500	\$ 11,900	\$ -	\$ 48,400	\$ 745	\$ 1,383	\$ 96,795	\$ 1,936
607	Lanoue St	PVC	Gravity	T326	300	60.5	1995	65	28	37	\$ 39,100	\$ 8,700	\$ 6,000	\$ 53,800	\$ 828	\$ 1,454	\$ 111,941	\$ 2,072
608	Heatherglen Cres	PVC	Gravity	T327	300	97.1	1998	65	25	40	\$ 62,600	\$ 8,700	\$ 83,300	\$ 154,600	\$ 2,378	\$ 3,865	\$ 341,363	\$ 5,652
609	Heatherglen Cres	PVC	Gravity	T327	300	76.9	1998	65	25	40	\$ 49,700	\$ 8,700	\$ 35,700	\$ 94,100	\$ 1,448	\$ 2,353	\$ 207,777	\$ 3,440
610	Heatherglen Cres	PVC	Gravity	T327	300	57.9	1998	65	25	40	\$ 37,400	\$ 8,700	\$ 47,600	\$ 93,700	\$ 1,442	\$ 2,343	\$ 206,893	\$ 3,425
611	Heatherglen Cres	PVC	Gravity	T327	300	97.4	1998	65	25	40	\$ 62,900	\$ 8,700	\$ 71,400	\$ 143,000	\$ 2,200	\$ 3,575	\$ 315,750	\$ 5,227
612	Heatherglen Cres	PVC	Gravity	T331	300	90.2	1996	65	27	38	\$ 58,200	\$ 8,700	\$ 83,300	\$ 150,200	\$ 2,311	\$ 3,953	\$ 318,769	\$ 5,681
613	Heatherglen Cres	PVC	Gravity	T327	300	90.4	1996	65	27	38	\$ 58,300	\$ 8,700	\$ 119,000	\$ 186,000	\$ 2,862	\$ 4,895	\$ 394,748	\$ 7,035
614	Heatherglen Cres	PVC	Gravity	T331	300	87.1	1996	65	27	38	\$ 56,200	\$ 8,700	\$ 83,300	\$ 148,200	\$ 2,280	\$ 3,900	\$ 314,525	\$ 5,605
615	Cortina Cres	PVC	Gravity	T330	300	91.2	1996	65	27	38	\$ 58,900	\$ 8,700	\$ 53,600	\$ 121,200	\$ 1,865	\$ 3,189	\$ 257,223	\$ 4,584
616	Cortina Cres	PVC	Gravity	T330	300	81.7	1996	65	27	38	\$ 52,700	\$ 8,700	\$ 47,600	\$ 109,000	\$ 1,677	\$ 2,868	\$ 231,331	\$ 4,122
617	Cortina Cres	PVC	Gravity	T330	300	76.4	1996	65	27	38	\$ 49,400	\$ 8,700	\$ 47,600	\$ 105,700	\$ 1,626	\$ 2,782	\$ 224,327	\$ 3,998
618	Cortina Cres	PVC	Gravity	T330	300	73.0	1996	65	27	38	\$ 47,200	\$ 8,700	\$ 41,700	\$ 97,600	\$ 1,502	\$ 2,568	\$ 207,136	\$ 3,691
619	Lanoue St	PVC	Gravity	T329	300	107.3	1996	65	27	38	\$ 69,300	\$ 8,700	\$ -	\$ 78,000	\$ 1,200	\$ 2,053	\$ 165,539	\$ 2,950
620	Lanoue St	PVC	Gravity	T332	300	42.4	1996	65	27	38	\$ 27,400	\$ 8,700	\$ -	\$ 36,100	\$ 555	\$ 950	\$ 76,615	\$ 1,365
621	Lesperance Rd	CONC	Gravity	T118	750	84.2	1974	65	49	16	\$ 116,800	\$ 25,200	\$ 40,400	\$ 182,400	\$ 2,806	\$ 11,400	\$ 250,396	\$ 13,434
622	Lesperance Rd	CONC	Gravity	T116	750	21.4	1974	65	49	16	\$ 29,800	\$ 19,700	\$ 20,200	\$ 69,700	\$ 1,072	\$ 4,356	\$ 95,683	\$ 5,133
623	St Pierre St	AC	Gravity	T024	250	54.3	1974	65	49	16	\$ 36,400	\$ 11,900	\$ 24,900	\$ 73,200	\$ 1,126	\$ 4,575	\$ 100,488	\$ 5,391
624	St Pierre St	AC	Gravity	T025	250	52.4	1974	65	49	16	\$ 35,200	\$ 11,900	\$ 18,700	\$ 65,800	\$ 1,012	\$ 4,113	\$ 90,329	\$ 4,846
625	Dillon Dr	PVC	Gravity	T023	200	73.4	1991	65	32	33	\$ 48,300	\$ 11,900	\$ 24,900	\$ 85,100	\$ 1,309	\$ 2,579	\$ 163,582	\$ 3,548
626	Dillon Dr	AC	Gravity	T038	200	79.5	1979	65	44	21	\$ 48,200	\$ 8,700	\$ 29,600	\$ 86,500	\$ 1,331	\$ 4,119	\$ 131,105	\$ 5,085
627	Dillon Dr	AC	Gravity	T043	300	40.5	1979	65	44	21	\$ 28,400	\$ 11,900	\$ -	\$ 40,300	\$ 620	\$ 1,919	\$ 61,081	\$ 2,369
628	Dillon Dr	AC	Gravity	T043	300	39.9	1979	65	44	21	\$ 28,000	\$ 11,900	\$ 18,800	\$ 58,700	\$ 903	\$ 2,795	\$ 88,970	\$ 3,451
629	Dillon Dr	AC	Gravity	T043	300	39.0	1979	65	44	21	\$ 25,200	\$ 8,700	\$ 11,900	\$ 45,800	\$ 705	\$ 2,181	\$ 69,418	\$ 2,692
630	Dillon Dr	AC	Gravity	T045	300	77.4	1979	65	44	21	\$ 54,200	\$ 11,900	\$ 18,800	\$ 84,900	\$ 1,306	\$ 4,043	\$ 128,680	\$ 4,991
631	Dillon Dr	AC	Gravity	T047	350	93.6	1979	65	44	21	\$ 68,600	\$ 11,900	\$ 44,000	\$ 124,500	\$ 1,915	\$ 5,929	\$ 188,700	\$ 7,319
632	Dillon Dr	AC	Gravity	T047	350	70.6	1979	65	44	21	\$ 51,700	\$ 22,900	\$ 31,400	\$ 106,000	\$ 1,631	\$ 5,048	\$ 160,661	\$ 6,231
633	Tecumseh Rd	CONC	Gravity	T265	600	3.9	1974	65	49	16	\$ 3,800	\$ 11,900	\$ -	\$ 15,700	\$ 242	\$ 981	\$ 21,553	\$ 1,156
634	Jasper Pl	AC	Gravity	T046	200	97.8	1979	65	44	21	\$ 64,400	\$ 11,900	\$ 74,600	\$ 150,900	\$ 2,322	\$ 7,186	\$ 228,714	\$ 8,871

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
635	St Thomas St	AC	Trunk	T174	450	84.8	1979	65	44	21	\$ 64,000	\$ 11,900	\$ 38,300	\$ 114,200	\$ 1,757	\$ 5,438	\$ 173,089	\$ 6,713
636	Dillon Dr	AC	Gravity	T174	450	71.7	1979	65	44	21	\$ 54,200	\$ 11,900	\$ 25,600	\$ 91,700	\$ 1,411	\$ 4,367	\$ 138,987	\$ 5,391
637	Centennial Dr	AC	Gravity	T170	300	53.5	1974	65	49	16	\$ 37,500	\$ 11,900	\$ 18,800	\$ 68,200	\$ 1,049	\$ 4,263	\$ 93,624	\$ 5,023
638	Centennial Dr	AC	Gravity	T170	450	1.8	1979	65	44	21	\$ 1,600	\$ 25,200	\$ -	\$ 26,800	\$ 412	\$ 1,276	\$ 40,620	\$ 1,575
639	Little River Blvd	AC	Gravity	T097	450	69.0	1979	65	44	21	\$ 52,200	\$ 11,900	\$ -	\$ 64,100	\$ 986	\$ 3,052	\$ 97,154	\$ 3,768
640	Veronica Crt	AC	Gravity	T173	200	109.1	1979	65	44	21	\$ 71,800	\$ 11,900	\$ 87,000	\$ 170,700	\$ 2,626	\$ 8,129	\$ 258,724	\$ 10,035
641	Rideau Pl	AC	Gravity	T176	200	63.6	1979	65	44	21	\$ 41,900	\$ 11,900	\$ 49,700	\$ 103,500	\$ 1,592	\$ 4,929	\$ 156,871	\$ 6,084
642	Paisley Cir	AC	Gravity	T178	200	73.8	1979	65	44	21	\$ 48,600	\$ 11,900	\$ 68,400	\$ 128,900	\$ 1,983	\$ 6,138	\$ 195,369	\$ 7,577
643	Brenda Cres	PVC	Gravity	T203	300	53.6	1990	65	33	32	\$ 37,600	\$ 11,900	\$ -	\$ 49,500	\$ 762	\$ 1,547	\$ 93,285	\$ 2,109
644	Brenda Cres	PVC	Gravity	T203	300	124.0	1990	65	33	32	\$ 86,800	\$ 11,900	\$ -	\$ 98,700	\$ 1,518	\$ 3,084	\$ 186,004	\$ 4,206
645	Brenda Cres	PVC	Gravity	T203	300	47.0	1990	65	33	32	\$ 33,000	\$ 11,900	\$ -	\$ 44,900	\$ 691	\$ 1,403	\$ 84,616	\$ 1,913
646	Brenda Cres	PVC	Gravity	T203	300	76.9	1990	65	33	32	\$ 53,900	\$ 11,900	\$ -	\$ 65,800	\$ 1,012	\$ 2,056	\$ 124,003	\$ 2,804
647	Brenda Cres	PVC	Gravity	T203	300	120.2	1990	65	33	32	\$ 84,200	\$ 11,900	\$ 31,300	\$ 127,400	\$ 1,960	\$ 3,981	\$ 240,090	\$ 5,429
648	Brenda Cres	PVC	Gravity	T203	300	20.2	1990	65	33	32	\$ 14,200	\$ 11,900	\$ -	\$ 26,100	\$ 402	\$ 816	\$ 49,187	\$ 1,112
649	Parkland Cres	PVC	Gravity	T231	200	51.9	1993	65	30	35	\$ 31,500	\$ 8,700	\$ 53,300	\$ 93,500	\$ 1,438	\$ 2,671	\$ 186,990	\$ 3,740
650	Parkland Cres	PVC	Gravity	T231	250	98.1	1993	65	30	35	\$ 65,800	\$ 11,900	\$ 43,500	\$ 121,200	\$ 1,865	\$ 3,463	\$ 242,387	\$ 4,848
651	Parkland Cres	PVC	Gravity	T229	200	43.1	1993	65	30	35	\$ 28,400	\$ 11,900	\$ 18,700	\$ 59,000	\$ 908	\$ 1,686	\$ 117,993	\$ 2,360
652	Green Valley Dr	CONC	Gravity	T254	450	16.9	1991	65	32	33	\$ 12,800	\$ 11,900	\$ -	\$ 24,700	\$ 380	\$ 748	\$ 47,479	\$ 1,030
653	Tecumseh Rd	PVC	Gravity	T253	375	3.9	1991	65	32	33	\$ 2,900	\$ 11,900	\$ -	\$ 14,800	\$ 228	\$ 448	\$ 28,449	\$ 617
654	Tecumseh Rd	PVC	Gravity	T253	375	130.5	1991	65	32	33	\$ 95,600	\$ 11,900	\$ 12,600	\$ 120,100	\$ 1,848	\$ 3,639	\$ 230,860	\$ 5,007
655	Tecumseh Rd	PVC	Gravity	T253	200	99.5	1991	65	32	33	\$ 65,500	\$ 11,900	\$ 24,900	\$ 102,300	\$ 1,574	\$ 3,100	\$ 196,644	\$ 4,265
656	Lemire St	PVC	Gravity	T319	375	60.4	1993	65	30	35	\$ 44,300	\$ 11,900	\$ 6,300	\$ 62,500	\$ 962	\$ 1,786	\$ 124,993	\$ 2,500
657	Tecumseh Rd	PVC	Gravity	T253	200	91.7	1991	65	32	33	\$ 60,400	\$ 11,900	\$ 6,300	\$ 78,600	\$ 1,209	\$ 2,382	\$ 151,087	\$ 3,277
658	Tecumseh Rd	PVC	Gravity	T253	200	99.5	1991	65	32	33	\$ 60,300	\$ 8,700	\$ 6,000	\$ 75,000	\$ 1,154	\$ 2,273	\$ 144,167	\$ 3,126
659	Lanoue St	PVC	Gravity	T332	300	5.8	1996	65	27	38	\$ 3,800	\$ 8,700	\$ -	\$ 12,500	\$ 192	\$ 329	\$ 26,529	\$ 473
660	Lanoue St	PVC	Gravity	T332	300	15.5	1996	65	27	38	\$ 10,000	\$ 8,700	\$ -	\$ 18,700	\$ 288	\$ 492	\$ 39,687	\$ 707
661	Lanoue St	PVC	Gravity	T332	300	83.5	1998	65	25	40	\$ 53,900	\$ 8,700	\$ -	\$ 62,600	\$ 963	\$ 1,565	\$ 138,223	\$ 2,288
662	Brouillette Crt	AC	Gravity	T281	250	37.2	1970	65	53	12	\$ 23,000	\$ 8,700	\$ -	\$ 31,700	\$ 488	\$ 2,642	\$ 40,203	\$ 2,998
663	Brouillette Crt	AC	Gravity	T282	250	98.9	1970	65	53	12	\$ 61,100	\$ 8,700	\$ 65,100	\$ 134,900	\$ 2,075	\$ 11,242	\$ 171,086	\$ 12,756
664	Brouillette Crt	AC	Gravity	T282	250	17.6	1970	65	53	12	\$ 10,900	\$ 8,700	\$ 6,000	\$ 25,600	\$ 394	\$ 2,133	\$ 32,467	\$ 2,421
665	Shawnee Rd	AC	Gravity	T284	250	87.4	1974	65	49	16	\$ 58,600	\$ 11,900	\$ 43,500	\$ 114,000	\$ 1,754	\$ 7,125	\$ 156,498	\$ 8,396
666	Shawnee Rd	AC	Gravity	T284	250	1.9	1974	65	49	16	\$ 1,300	\$ 11,900	\$ -	\$ 13,200	\$ 203	\$ 825	\$ 18,121	\$ 972
667	Poisson St	AC	Gravity	T293	250	10.0	1974	65	49	16	\$ 6,200	\$ 8,700	\$ -	\$ 14,900	\$ 229	\$ 931	\$ 20,455	\$ 1,097
668	Poisson St	AC	Gravity	T293	250	97.0	1974	65	49	16	\$ 60,000	\$ 8,700	\$ 59,200	\$ 127,900	\$ 1,968	\$ 7,994	\$ 175,579	\$ 9,420
669	Arbour St	PVC	Gravity	T291	250	86.6	1992	65	31	34	\$ 53,500	\$ 8,700	\$ 6,000	\$ 68,200	\$ 1,049	\$ 2,006	\$ 133,718	\$ 2,784
671	Revland Dr	PVC	Gravity	T228	250	11.3	1998	65	25	40	\$ 7,600	\$ 11,900	\$ -	\$ 19,500	\$ 300	\$ 488	\$ 43,057	\$ 713
672	Tecumseh Rd	PVC	Gravity	T260	200	113.7	1991	65	32	33	\$ 69,000	\$ 8,700	\$ 35,500	\$ 113,200	\$ 1,742	\$ 3,430	\$ 217,597	\$ 4,719
673	Tecumseh Rd	PVC	Gravity	T260	250	107.4	1991	65	32	33	\$ 66,400	\$ 8,700	\$ 23,700	\$ 98,800	\$ 1,520	\$ 2,994	\$ 189,916	\$ 4,119
674	Tecumseh Rd	PVC	Gravity	T260	250	102.4	1991	65	32	33	\$ 68,600	\$ 11,900	\$ 37,300	\$ 117,800	\$ 1,812	\$ 3,570	\$ 226,439	\$ 4,911
675	Salich Crt	AC	Gravity	T044	200	51.8	1979	65	44	21	\$ 34,100	\$ 11,900	\$ 62,200	\$ 108,200	\$ 1,665	\$ 5,152	\$ 163,995	\$ 6,361
676	Salich Crt	AC	Gravity	T044	200	52.5	1979	65	44	21	\$ 34,600	\$ 11,900	\$ 18,700	\$ 65,200	\$ 1,003	\$ 3,105	\$ 98,821	\$ 3,833
677	Shannon Pl	AC	Gravity	T040	200	63.3	1979	65	44	21	\$ 38,400	\$ 8,700	\$ 47,400	\$ 94,500	\$ 1,454	\$ 4,500	\$ 143,230	\$ 5,555
678	Shannon Pl	AC	Gravity	T040	250	48.3	1979	65	44	21	\$ 29,900	\$ 8,700	\$ 29,600	\$ 68,200	\$ 1,049	\$ 3,248	\$ 103,368	\$ 4,009
679	Shannon Pl	AC	Gravity	T039	250	26.8	1979	65	44	21	\$ 16,600	\$ 8,700	\$ -	\$ 25,300	\$ 389	\$ 1,205	\$ 38,346	\$ 1,487
680	Shannon Pl	AC	Gravity	T039	250	36.4	1979	65	44	21	\$ 24,500	\$ 11,900	\$ 18,700	\$ 55,100	\$ 848	\$ 2,624	\$ 83,513	\$ 3,239
681	Wedgewood Lane	AC	Trunk	T042	300	111.5	1979	65	44	21	\$ 78,100	\$ 11,900	\$ 93,700	\$ 183,700	\$ 2,826	\$ 8,748	\$ 278,428	\$ 10,799
682	Wedgewood Lane	AC	Trunk	T042	300	78.3	1979	65	44	21	\$ 54,800	\$ 11,900	\$ 50,000	\$ 116,700	\$ 1,795	\$ 5,557	\$ 176,878	\$ 6,860
683	Little River Blvd	PVC	Gravity	T050	250	90.0	1987	65	36	29	\$ 67,400	\$ 19,700	\$ -	\$ 87,100	\$ 1,340	\$ 3,003	\$ 154,676	\$ 3,987
684	Somerville St	PVC	Gravity	T051	250	118.8	1987	65	36	29	\$ 79,700	\$ 11,900	\$ 62,200	\$ 153,800	\$ 2,366	\$ 5,303	\$ 273,125	\$ 7,041
685	Little River Blvd	CONC	Gravity	T100	675	75.4	1974	65	49	16	\$ 81,700	\$ 22,900	\$ 25,700	\$ 130,300	\$ 2,005	\$ 8,144	\$ 178,874	\$ 9,597

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
686	Little River Blvd	CONC	Gravity	T098	675	16.7	1974	65	49	16	\$ 18,200	\$ 22,900	\$ 12,900	\$ 54,000	\$ 831	\$ 3,375	\$ 74,130	\$ 3,977
687	Donalda Crt	AC	Gravity	T099	200	95.5	1979	65	44	21	\$ 57,900	\$ 8,700	\$ 88,800	\$ 155,400	\$ 2,391	\$ 7,400	\$ 235,535	\$ 9,135
688	Donalda Crt	AC	Gravity	T099	200	55.9	1979	65	44	21	\$ 36,800	\$ 22,900	\$ 24,900	\$ 84,600	\$ 1,302	\$ 4,029	\$ 128,225	\$ 4,973
689	Roxbury Cres	PVC	Gravity	T111	200	88.7	1987	65	36	29	\$ 58,400	\$ 11,900	\$ 74,600	\$ 144,900	\$ 2,229	\$ 4,997	\$ 257,320	\$ 6,633
690	Roxbury Cres	PVC	Gravity	T111	200	36.5	1987	65	36	29	\$ 24,000	\$ 11,900	\$ 37,300	\$ 73,200	\$ 1,126	\$ 2,524	\$ 129,992	\$ 3,351
691	Roxbury Cres	PVC	Gravity	T111	200	100.9	1987	65	36	29	\$ 74,100	\$ 25,200	\$ 26,100	\$ 125,400	\$ 1,929	\$ 4,324	\$ 222,691	\$ 5,741
692	St Thomas St	AC	DistMair	T169	200	14.0	1979	65	44	21	\$ 9,300	\$ 11,900	\$ 6,300	\$ 27,500	\$ 423	\$ 1,310	\$ 41,681	\$ 1,617
693	St Thomas St	AC	Trunk	T171	200	27.0	1979	65	44	21	\$ 17,800	\$ 11,900	\$ 6,300	\$ 36,000	\$ 554	\$ 1,714	\$ 54,564	\$ 2,116
694	Green Valley Dr	CONC	Gravity	T254	450	96.8	1989	65	34	31	\$ 73,100	\$ 11,900	\$ 63,800	\$ 148,800	\$ 2,289	\$ 4,800	\$ 274,921	\$ 6,487
695	Green Valley Dr	CONC	Gravity	T254	450	39.8	1989	65	34	31	\$ 30,100	\$ 11,900	\$ 12,800	\$ 54,800	\$ 843	\$ 1,768	\$ 101,248	\$ 2,389
696	Green Valley Dr	CONC	Gravity	T256	450	76.4	1989	65	34	31	\$ 57,700	\$ 11,900	\$ 51,100	\$ 120,700	\$ 1,857	\$ 3,894	\$ 223,004	\$ 5,262
697	Green Valley Dr	CONC	Gravity	T256	450	40.1	1988	65	35	30	\$ 30,300	\$ 11,900	\$ 31,900	\$ 74,100	\$ 1,140	\$ 2,470	\$ 134,222	\$ 3,309
698	Green Valley Dr	CONC	Gravity	T256	450	43.2	1988	65	35	30	\$ 32,700	\$ 11,900	\$ 31,900	\$ 76,500	\$ 1,177	\$ 2,550	\$ 138,569	\$ 3,416
699	Harvest Lane	PVC	Gravity	T255	250	115.9	1989	65	34	31	\$ 71,700	\$ 8,700	\$ 88,800	\$ 169,200	\$ 2,603	\$ 5,458	\$ 312,612	\$ 7,377
700	Harvest Lane	PVC	Gravity	T255	250	80.6	1989	65	34	31	\$ 49,900	\$ 8,700	\$ 71,000	\$ 129,600	\$ 1,994	\$ 4,181	\$ 239,448	\$ 5,650
701	Harvest Lane	PVC	Gravity	T255	250	25.9	1989	65	34	31	\$ 17,400	\$ 11,900	\$ -	\$ 29,300	\$ 451	\$ 945	\$ 54,134	\$ 1,277
702	Mickaila Cres	PVC	Gravity	T274	200	74.8	1996	65	27	38	\$ 45,400	\$ 8,700	\$ 124,300	\$ 178,400	\$ 2,745	\$ 4,695	\$ 378,618	\$ 6,747
703	Meadowland Cres	PVC	Gravity	T257	250	29.9	1988	65	35	30	\$ 20,100	\$ 11,900	\$ 12,500	\$ 44,500	\$ 685	\$ 1,483	\$ 80,606	\$ 1,987
704	Meadowland Cres	PVC	Gravity	T257	250	68.3	1988	65	35	30	\$ 45,800	\$ 11,900	\$ 31,100	\$ 88,800	\$ 1,366	\$ 2,960	\$ 160,849	\$ 3,965
705	Meadowland Cres	PVC	Gravity	T257	250	101.5	1988	65	35	30	\$ 68,100	\$ 11,900	\$ 87,000	\$ 167,000	\$ 2,569	\$ 5,567	\$ 302,497	\$ 7,457
706	Meadowland Cres	PVC	Gravity	T257	250	87.0	1988	65	35	30	\$ 58,300	\$ 11,900	\$ 99,400	\$ 169,600	\$ 2,609	\$ 5,653	\$ 307,207	\$ 7,573
707	Lanoue St	PVC	Gravity	T328	300	27.6	1996	65	27	38	\$ 17,900	\$ 8,700	\$ -	\$ 26,600	\$ 409	\$ 700	\$ 56,453	\$ 1,006
708	Lanoue St	PVC	Gravity	T328	300	80.7	1995	65	28	37	\$ 52,100	\$ 8,700	\$ 41,700	\$ 102,500	\$ 1,577	\$ 2,770	\$ 213,270	\$ 3,947
709	Lanoue St	PVC	Gravity	T326	300	36.8	1995	65	28	37	\$ 25,800	\$ 11,900	\$ 31,300	\$ 69,000	\$ 1,062	\$ 1,865	\$ 143,567	\$ 2,657
710	Heatherglen Cres	PVC	Gravity	T327	300	120.7	1996	65	27	38	\$ 84,500	\$ 11,900	\$ 56,200	\$ 152,600	\$ 2,348	\$ 4,016	\$ 323,863	\$ 5,771
711	Heatherglen Cres	PVC	Gravity	T327	300	112.6	1998	65	25	40	\$ 72,700	\$ 8,700	\$ 89,200	\$ 170,600	\$ 2,625	\$ 4,265	\$ 376,692	\$ 6,236
712	St Thomas St	AC	Trunk	T177	450	90.1	1979	65	44	21	\$ 68,100	\$ 11,900	\$ 6,400	\$ 86,400	\$ 1,329	\$ 4,114	\$ 130,954	\$ 5,079
713	St Thomas St	AC	Trunk	T179	450	37.5	1979	65	44	21	\$ 28,400	\$ 11,900	\$ 6,400	\$ 46,700	\$ 718	\$ 2,224	\$ 70,782	\$ 2,745
714	St Thomas St	AC	Gravity	T179	450	57.0	1979	65	44	21	\$ 43,100	\$ 11,900	\$ 12,800	\$ 67,800	\$ 1,043	\$ 3,229	\$ 102,762	\$ 3,986
715	St Thomas St	AC	Gravity	T175	450	60.1	1979	65	44	21	\$ 45,500	\$ 11,900	\$ 38,300	\$ 95,700	\$ 1,472	\$ 4,557	\$ 145,049	\$ 5,626
716	St Thomas St	AC	Trunk	T175	450	32.7	1979	65	44	21	\$ 24,700	\$ 11,900	\$ 19,200	\$ 55,800	\$ 858	\$ 2,657	\$ 84,574	\$ 3,280
717	St Thomas St	AC	Trunk	T182	200	92.5	1979	65	44	21	\$ 60,900	\$ 11,900	\$ 43,500	\$ 116,300	\$ 1,789	\$ 5,538	\$ 176,272	\$ 6,837
718	St Thomas St	AC	Relief	T180	200	68.5	1979	65	44	21	\$ 45,100	\$ 11,900	\$ 18,700	\$ 75,700	\$ 1,165	\$ 3,605	\$ 114,736	\$ 4,450
719	Green Valley Dr	AC	Gravity	T236	450	60.1	1980	65	43	22	\$ 45,400	\$ 11,900	\$ 12,800	\$ 70,100	\$ 1,078	\$ 3,186	\$ 108,373	\$ 3,970
720	Green Valley Dr	AC	Gravity	T238	450	45.6	1980	65	43	22	\$ 34,500	\$ 11,900	\$ 25,600	\$ 72,000	\$ 1,108	\$ 3,273	\$ 111,311	\$ 4,077
721	Amberly Cres	AC	Gravity	T237	200	57.2	1980	65	43	22	\$ 37,700	\$ 11,900	\$ 43,500	\$ 93,100	\$ 1,432	\$ 4,232	\$ 143,931	\$ 5,272
722	Amberly Cres	AC	Gravity	T237	200	74.0	1980	65	43	22	\$ 48,700	\$ 11,900	\$ 49,700	\$ 110,300	\$ 1,697	\$ 5,014	\$ 170,522	\$ 6,246
723	Amberly Cres	AC	Gravity	T237	200	70.9	1980	65	43	22	\$ 46,700	\$ 11,900	\$ 18,700	\$ 77,300	\$ 1,189	\$ 3,514	\$ 119,504	\$ 4,378
724	Amberly Cres	AC	Gravity	T237	200	40.8	1980	65	43	22	\$ 24,800	\$ 8,700	\$ 17,800	\$ 51,300	\$ 789	\$ 2,332	\$ 79,309	\$ 2,905
725	Amberly Cres	AC	Gravity	T237	250	91.2	1980	65	43	22	\$ 56,400	\$ 8,700	\$ 65,100	\$ 130,200	\$ 2,003	\$ 5,918	\$ 201,287	\$ 7,373
726	Amberly Cres	AC	Gravity	T237	250	106.3	1980	65	43	22	\$ 65,800	\$ 8,700	\$ 82,900	\$ 157,400	\$ 2,422	\$ 7,155	\$ 243,337	\$ 8,914
727	Amberly Cres	AC	Gravity	T237	250	49.2	1980	65	43	22	\$ 33,000	\$ 11,900	\$ 31,100	\$ 76,000	\$ 1,169	\$ 3,455	\$ 117,494	\$ 4,304
728	Amberly Cres	AC	Gravity	T237	250	68.3	1980	65	43	22	\$ 45,800	\$ 11,900	\$ 55,900	\$ 113,600	\$ 1,748	\$ 5,164	\$ 175,623	\$ 6,433
729	Dillon Dr	AC	Gravity	T172	450	27.8	1979	65	44	21	\$ 21,000	\$ 11,900	\$ -	\$ 32,900	\$ 506	\$ 1,567	\$ 49,865	\$ 1,934
730	Dillon Dr	AC	Gravity	T172	450	33.3	1979	65	44	21	\$ 25,200	\$ 11,900	\$ 12,800	\$ 49,900	\$ 768	\$ 2,376	\$ 75,632	\$ 2,933
731	McNorton St	PVC	Gravity	T194	200	38.0	1994	65	29	36	\$ 32,800	\$ 23,700	\$ -	\$ 56,500	\$ 869	\$ 1,569	\$ 115,254	\$ 2,217
732	McNorton St	PVC	Gravity	T194	200	56.6	1994	65	29	36	\$ 48,800	\$ 23,700	\$ -	\$ 72,500	\$ 1,115	\$ 2,014	\$ 147,892	\$ 2,844
733	McNorton St	PVC	Gravity	T194	200	51.5	1994	65	29	36	\$ 34,000	\$ 11,900	\$ -	\$ 45,900	\$ 706	\$ 1,275	\$ 93,631	\$ 1,801
734	Aloha Dr	AC	Gravity	SC123	200	107.1	1974	65	49	16	\$ 70,500	\$ 11,900	\$ 18,700	\$ 101,100	\$ 1,555	\$ 6,319	\$ 138,789	\$ 7,446
735	Aloha Dr	AC	Gravity	SC123	200	114.9	1974	65	49	16	\$ 75,600	\$ 11,900	\$ 68,400	\$ 155,900	\$ 2,398	\$ 9,744	\$ 214,017	\$ 11,482

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
736	Aloha Dr	AC	Gravity	SC123	200	18.1	1974	65	49	16	\$ 12,000	\$ 11,900	\$ 18,700	\$ 42,600	\$ 655	\$ 2,663	\$ 58,481	\$ 3,137
737	Arlington Blvd	AC	Gravity	SC066	400	16.1	1974	65	49	16	\$ 13,600	\$ 19,700	\$ 6,700	\$ 40,000	\$ 615	\$ 2,500	\$ 54,911	\$ 2,946
738	Arlington Blvd	AC	Gravity	SC066	400	76.2	1974	65	49	16	\$ 64,300	\$ 19,700	\$ 20,100	\$ 104,100	\$ 1,602	\$ 6,506	\$ 142,907	\$ 7,667
739	Arlington Blvd	AC	Gravity	SC066	400	89.3	1974	65	49	16	\$ 75,200	\$ 19,700	\$ 40,100	\$ 135,000	\$ 2,077	\$ 8,438	\$ 185,326	\$ 9,943
740	Arlington Blvd	AC	Gravity	SC066	400	89.8	1974	65	49	16	\$ 75,700	\$ 19,700	\$ 40,100	\$ 135,500	\$ 2,085	\$ 8,469	\$ 186,012	\$ 9,980
741	Arlington Blvd	AC	Gravity	SC066	400	78.9	1974	65	49	16	\$ 78,000	\$ 23,700	\$ 48,900	\$ 150,600	\$ 2,317	\$ 9,413	\$ 206,742	\$ 11,092
742	Arlington Blvd	AC	Gravity	SC065	350	115.2	1974	65	49	16	\$ 110,600	\$ 23,700	\$ 75,700	\$ 210,000	\$ 3,231	\$ 13,125	\$ 288,285	\$ 15,467
743	Arlington Blvd	AC	Gravity	SC085	350	121.0	1974	65	49	16	\$ 116,100	\$ 23,700	\$ 96,300	\$ 236,100	\$ 3,632	\$ 14,756	\$ 324,115	\$ 17,389
744	Arlington Blvd	AC	Gravity	SC065	350	71.7	1974	65	49	16	\$ 58,600	\$ 19,700	\$ 39,500	\$ 117,800	\$ 1,812	\$ 7,363	\$ 161,714	\$ 8,676
744	Arlington Blvd	AC	Gravity	SC065	350	36.7	1974	65	49	16	\$ 30,000	\$ 19,700	\$ 13,200	\$ 62,900	\$ 968	\$ 3,931	\$ 86,348	\$ 4,633
745	Arlington Blvd	AC	Gravity	SC056	350	115.4	1974	65	49	16	\$ 94,400	\$ 19,700	\$ 46,100	\$ 160,200	\$ 2,465	\$ 10,013	\$ 219,920	\$ 11,799
746	Arlington Blvd	AC	Gravity	SC085	300	95.6	1974	65	49	16	\$ 74,800	\$ 19,700	\$ 19,700	\$ 114,200	\$ 1,757	\$ 7,138	\$ 156,772	\$ 8,411
747	Arlington Blvd	AC	Gravity	SC085	300	87.6	1974	65	49	16	\$ 68,500	\$ 19,700	\$ 13,100	\$ 101,300	\$ 1,558	\$ 6,331	\$ 139,063	\$ 7,461
748	Arlington Blvd	AC	Gravity	SC085	300	76.5	1974	65	49	16	\$ 59,800	\$ 19,700	\$ 19,700	\$ 99,200	\$ 1,526	\$ 6,200	\$ 136,180	\$ 7,306
748	Arlington Blvd	AC	Gravity	SC085	300	20.3	1974	65	49	16	\$ 15,900	\$ 19,700	\$ 6,600	\$ 42,200	\$ 649	\$ 2,638	\$ 57,932	\$ 3,108
749	Arlington Blvd	AC	Gravity	SC085	300	93.9	1974	65	49	16	\$ 73,400	\$ 19,700	\$ 19,700	\$ 112,800	\$ 1,735	\$ 7,050	\$ 154,850	\$ 8,308
750	Brighton Rd	AC	Gravity	SC128	300	91.7	1974	65	49	16	\$ 64,300	\$ 11,900	\$ 31,300	\$ 107,500	\$ 1,654	\$ 6,719	\$ 147,574	\$ 7,917
751	Brighton Rd	AC	Gravity	SC124	300	74.1	1974	65	49	16	\$ 51,900	\$ 11,900	\$ 31,300	\$ 95,100	\$ 1,463	\$ 5,944	\$ 130,552	\$ 7,004
752	Brighton Rd	AC	Gravity	SC124	300	72.3	1974	65	49	16	\$ 50,700	\$ 11,900	\$ 12,500	\$ 75,100	\$ 1,155	\$ 4,694	\$ 103,096	\$ 5,531
753	Brighton Rd	AC	Gravity	SC122	300	85.5	1974	65	49	16	\$ 59,900	\$ 11,900	\$ 43,800	\$ 115,600	\$ 1,778	\$ 7,225	\$ 158,694	\$ 8,514
754	Brighton Rd	AC	Gravity	SC112	300	85.7	1974	65	49	16	\$ 60,100	\$ 11,900	\$ 12,500	\$ 84,500	\$ 1,300	\$ 5,281	\$ 116,000	\$ 6,223
755	Brighton Rd	AC	Gravity	SC113	300	78.7	1974	65	49	16	\$ 55,200	\$ 11,900	\$ -	\$ 67,100	\$ 1,032	\$ 4,194	\$ 92,114	\$ 4,942
756	Brighton Rd	AC	Gravity	SC109	300	90.1	1974	65	49	16	\$ 58,200	\$ 8,700	\$ 41,700	\$ 108,600	\$ 1,671	\$ 6,788	\$ 149,085	\$ 7,998
757	Brighton Rd	AC	Gravity	SC109	300	50.3	1974	65	49	16	\$ 32,500	\$ 8,700	\$ 23,800	\$ 65,000	\$ 1,000	\$ 4,063	\$ 89,231	\$ 4,787
758	Brighton Rd	AC	Gravity	SC109	300	110.4	1974	65	49	16	\$ 71,300	\$ 8,700	\$ 23,800	\$ 103,800	\$ 1,597	\$ 6,488	\$ 142,495	\$ 7,645
759	Brighton Rd	AC	Gravity	SC109	300	70.4	1974	65	49	16	\$ 49,300	\$ 11,900	\$ 18,800	\$ 80,000	\$ 1,231	\$ 5,000	\$ 109,823	\$ 5,892
760	Burlington Rd	AC	Gravity	SC057	250	84.4	1974	65	49	16	\$ 56,600	\$ 11,900	\$ 18,700	\$ 87,200	\$ 1,342	\$ 5,450	\$ 119,707	\$ 6,422
761	Burlington Rd	AC	Gravity	SC059	250	97.9	1974	65	49	16	\$ 65,700	\$ 11,900	\$ 49,700	\$ 127,300	\$ 1,958	\$ 7,956	\$ 174,756	\$ 9,376
762	Burlington Rd	AC	Gravity	SC059	250	25.2	1974	65	49	16	\$ 15,600	\$ 8,700	\$ 17,800	\$ 42,100	\$ 648	\$ 2,631	\$ 57,794	\$ 3,101
763	Burlington Rd	AC	Gravity	SC059	250	41.3	1974	65	49	16	\$ 25,600	\$ 8,700	\$ 23,700	\$ 58,000	\$ 892	\$ 3,625	\$ 79,622	\$ 4,272
764	Cedar Cres	AC	Gravity	SC042	200	57.8	1974	65	49	16	\$ 35,100	\$ 8,700	\$ 6,000	\$ 49,800	\$ 766	\$ 3,113	\$ 68,365	\$ 3,668
765	Cedar Cres	AC	Gravity	SC042	200	26.6	1974	65	49	16	\$ 16,200	\$ 8,700	\$ 23,700	\$ 48,600	\$ 748	\$ 3,038	\$ 66,717	\$ 3,579
766	Cedar Cres	AC	Gravity	SC042	200	18.3	1974	65	49	16	\$ 11,100	\$ 8,700	\$ 17,800	\$ 37,600	\$ 578	\$ 2,350	\$ 51,617	\$ 2,769
767	Willow Crt	AC	Gravity	SC044	200	56.3	1974	65	49	16	\$ 34,100	\$ 8,700	\$ -	\$ 42,800	\$ 658	\$ 2,675	\$ 58,755	\$ 3,152
768	Willow Crt	AC	Gravity	SC044	200	31.2	1974	65	49	16	\$ 20,600	\$ 11,900	\$ 18,700	\$ 51,200	\$ 788	\$ 3,200	\$ 70,287	\$ 3,771
769	Willow Crt	AC	Gravity	SC044	200	18.3	1974	65	49	16	\$ 12,100	\$ 11,900	\$ 18,700	\$ 42,700	\$ 657	\$ 2,669	\$ 58,618	\$ 3,145
770	Clovelly Rd	AC	Gravity	SC064	250	14.5	1974	65	49	16	\$ 10,900	\$ 19,700	\$ 6,600	\$ 37,200	\$ 572	\$ 2,325	\$ 51,068	\$ 2,740
771	Clovelly Rd	AC	Gravity	SC064	250	64.5	1974	65	49	16	\$ 43,300	\$ 11,900	\$ 18,700	\$ 73,900	\$ 1,137	\$ 4,619	\$ 101,449	\$ 5,443
771	Clovelly Rd	AC	Gravity	SC064	250	24.2	1974	65	49	16	\$ 18,200	\$ 19,700	\$ 13,100	\$ 51,000	\$ 785	\$ 3,188	\$ 70,012	\$ 3,756
772	Clovelly Rd	AC	Gravity	SC064	250	70.4	1974	65	49	16	\$ 47,200	\$ 11,900	\$ 31,100	\$ 90,200	\$ 1,388	\$ 5,638	\$ 123,825	\$ 6,643
773	Clovelly Rd	AC	Gravity	SC064	250	53.0	1974	65	49	16	\$ 35,500	\$ 11,900	\$ 6,300	\$ 53,700	\$ 826	\$ 3,356	\$ 73,719	\$ 3,955
774	Clovelly Rd	AC	Gravity	SC062	250	51.2	1974	65	49	16	\$ 34,300	\$ 11,900	\$ 6,300	\$ 52,500	\$ 808	\$ 3,281	\$ 72,071	\$ 3,867
774	Clovelly Rd	AC	Gravity	SC062	250	21.7	1974	65	49	16	\$ 14,600	\$ 11,900	\$ -	\$ 26,500	\$ 408	\$ 1,656	\$ 36,379	\$ 1,952
775	Clovelly Rd	AC	Gravity	SC062	250	88.8	1974	65	49	16	\$ 59,600	\$ 11,900	\$ 37,300	\$ 108,800	\$ 1,674	\$ 6,800	\$ 149,359	\$ 8,013
776	Riverside Dr E	AC	Gravity	SC008	400	107.9	1974	65	49	16	\$ 90,900	\$ 19,700	\$ 13,400	\$ 124,000	\$ 1,908	\$ 7,750	\$ 170,225	\$ 9,133
777	Riverside Dr E	AC	Gravity	SC008	400	99.6	1974	65	49	16	\$ 83,900	\$ 19,700	\$ 20,100	\$ 123,700	\$ 1,903	\$ 7,731	\$ 169,814	\$ 9,111
778	Riverside Dr E	AC	Gravity	SC008	400	92.2	1974	65	49	16	\$ 77,700	\$ 19,700	\$ 13,400	\$ 110,800	\$ 1,705	\$ 6,925	\$ 152,105	\$ 8,160
779	Riverside Dr E	AC	Gravity	SC008	400	91.9	1974	65	49	16	\$ 77,500	\$ 19,700	\$ 26,800	\$ 124,000	\$ 1,908	\$ 7,750	\$ 170,225	\$ 9,133
780	Riverside Dr E	AC	Gravity	SC009	300	56.9	1974	65	49	16	\$ 39,900	\$ 11,900	\$ 18,800	\$ 70,600	\$ 1,086	\$ 4,413	\$ 96,919	\$ 5,200
781	Riverside Dr E	AC	Gravity	SC009	300	63.6	1974	65	49	16	\$ 44,600	\$ 11,900	\$ 31,300	\$ 87,800	\$ 1,351	\$ 5,488	\$ 120,531	\$ 6,466

**Appendix H-2
Wastewater Sewer Inventory**

GIS Database											2021 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				
782	Rutland Rd	AC	Gravity	SC063	250	39.7	1974	65	49	16	\$ 26,600	\$ 11,900	\$ 12,500	\$ 51,000	\$ 785	\$ 3,188	\$ 70,012	\$ 3,756
783	Rutland Rd	AC	Gravity	SC063	250	37.1	1974	65	49	16	\$ 24,900	\$ 11,900	\$ 31,100	\$ 67,900	\$ 1,045	\$ 4,244	\$ 93,212	\$ 5,001
784	Rutland Rd	AC	Gravity	SC063	250	46.1	1974	65	49	16	\$ 30,900	\$ 11,900	\$ 18,700	\$ 61,500	\$ 946	\$ 3,844	\$ 84,426	\$ 4,529
785	Rutland Rd	AC	Gravity	SC063	250	60.9	1974	65	49	16	\$ 40,900	\$ 11,900	\$ 6,300	\$ 59,100	\$ 909	\$ 3,694	\$ 81,132	\$ 4,353
786	Essex Rd	AC	Gravity	SC061	250	31.1	1974	65	49	16	\$ 20,900	\$ 11,900	\$ 6,300	\$ 39,100	\$ 602	\$ 2,444	\$ 53,676	\$ 2,880
787	Rutland Rd	AC	Gravity	SC061	250	60.7	1974	65	49	16	\$ 40,700	\$ 11,900	\$ 6,300	\$ 58,900	\$ 906	\$ 3,681	\$ 80,857	\$ 4,338
788	St Gregorys Rd	AC	Gravity	SC053	250	78.3	1974	65	49	16	\$ 48,500	\$ 8,700	\$ 35,500	\$ 92,700	\$ 1,426	\$ 5,794	\$ 127,257	\$ 6,827
789	St Marks Rd	AC	Relief	SC052	250	97.1	1974	65	49	16	\$ 60,100	\$ 8,700	\$ 29,600	\$ 98,400	\$ 1,514	\$ 6,150	\$ 135,082	\$ 7,247
790	St Marks Rd	AC	Relief	SC052	250	76.1	1974	65	49	16	\$ 47,100	\$ 8,700	\$ 17,800	\$ 73,600	\$ 1,132	\$ 4,600	\$ 101,037	\$ 5,421
791	St Marks Rd	AC	Relief	SC052	250	79.7	1974	65	49	16	\$ 49,300	\$ 8,700	\$ 35,500	\$ 93,500	\$ 1,438	\$ 5,844	\$ 128,355	\$ 6,886
792	St Marks Rd	AC	Relief	SC050	250	60.9	1974	65	49	16	\$ 37,700	\$ 8,700	\$ 11,900	\$ 58,300	\$ 897	\$ 3,644	\$ 80,033	\$ 4,294
793	St Marks Rd	CONC	Relief	SC049	525	89.5	1974	65	49	16	\$ 100,600	\$ 23,700	\$ 35,000	\$ 159,300	\$ 2,451	\$ 9,956	\$ 218,685	\$ 11,732
794	St Marks Rd	AC	Gravity	SC045	250	73.3	1974	65	49	16	\$ 64,400	\$ 23,700	\$ 40,900	\$ 129,000	\$ 1,985	\$ 8,063	\$ 177,089	\$ 9,501
795	St Marks Rd	AC	Gravity	SC045	250	82.1	1974	65	49	16	\$ 72,100	\$ 23,700	\$ 47,700	\$ 143,500	\$ 2,208	\$ 8,969	\$ 196,995	\$ 10,569
796	St Marks Rd	AC	Gravity	SC043	250	81.4	1974	65	49	16	\$ 50,400	\$ 8,700	\$ 41,500	\$ 100,600	\$ 1,548	\$ 6,288	\$ 138,102	\$ 7,409
797	St Marks Rd	AC	Gravity	SC043	250	97.7	1974	65	49	16	\$ 60,400	\$ 8,700	\$ 53,300	\$ 122,400	\$ 1,883	\$ 7,650	\$ 168,029	\$ 9,015
798	St Marks Rd	AC	Gravity	SC041	250	68.2	1974	65	49	16	\$ 42,200	\$ 8,700	\$ 29,600	\$ 80,500	\$ 1,238	\$ 5,031	\$ 110,509	\$ 5,929
799	St Marks Rd	AC	Gravity	SC041	250	59.2	1974	65	49	16	\$ 36,600	\$ 8,700	\$ 23,700	\$ 69,000	\$ 1,062	\$ 4,313	\$ 94,722	\$ 5,082
800	Tecumseh Rd	AC	Gravity	SC095	300	67.3	1974	65	49	16	\$ 47,200	\$ 11,900	\$ 31,300	\$ 90,400	\$ 1,391	\$ 5,650	\$ 124,100	\$ 6,658
801	Tecumseh Rd	AC	Gravity	SC095	300	57.3	1974	65	49	16	\$ 40,200	\$ 11,900	\$ 12,500	\$ 64,600	\$ 994	\$ 4,038	\$ 88,682	\$ 4,758
802	Tecumseh Rd	AC	Gravity	SC108	250	68.0	1974	65	49	16	\$ 45,600	\$ 11,900	\$ 18,700	\$ 76,200	\$ 1,172	\$ 4,763	\$ 104,606	\$ 5,612
803	Tecumseh Rd	AC	Gravity	SC114	250	86.1	1974	65	49	16	\$ 53,300	\$ 8,700	\$ 17,800	\$ 79,800	\$ 1,228	\$ 4,988	\$ 109,548	\$ 5,877
804	Tecumseh Rd	AC	Gravity	SC114	250	69.0	1974	65	49	16	\$ 42,700	\$ 8,700	\$ 6,000	\$ 57,400	\$ 883	\$ 3,588	\$ 78,798	\$ 4,228
805	Warwick Rd	AC	Gravity	SC058	250	107.9	1974	65	49	16	\$ 72,300	\$ 11,900	\$ 43,500	\$ 127,700	\$ 1,965	\$ 7,981	\$ 175,305	\$ 9,405
806	Warwick Rd	AC	Trunk	SC058	250	103.8	1974	65	49	16	\$ 69,600	\$ 11,900	\$ 49,700	\$ 131,200	\$ 2,018	\$ 8,200	\$ 180,109	\$ 9,663
807	Warwick Rd	AC	Trunk	SC058	250	84.9	1974	65	49	16	\$ 56,900	\$ 11,900	\$ 31,100	\$ 99,900	\$ 1,537	\$ 6,244	\$ 137,141	\$ 7,358
808	Hayes Ave	CONC	Gravity	SC026	600	38.3	1974	65	49	16	\$ 48,300	\$ 23,700	\$ 21,100	\$ 93,100	\$ 1,432	\$ 5,819	\$ 127,806	\$ 6,857
809	Hayes Ave	CONC	Gravity	SC026	600	101.7	1974	65	49	16	\$ 128,100	\$ 23,700	\$ 56,200	\$ 208,000	\$ 3,200	\$ 13,000	\$ 285,539	\$ 15,319
810	Hayes Ave	CONC	Gravity	SC026	600	96.2	1974	65	49	16	\$ 121,200	\$ 23,700	\$ 49,200	\$ 194,100	\$ 2,986	\$ 12,131	\$ 266,458	\$ 14,295
811	Hayes Ave	CONC	Gravity	SC037	600	115.4	1974	65	49	16	\$ 145,400	\$ 23,700	\$ 28,100	\$ 197,200	\$ 3,034	\$ 12,325	\$ 270,713	\$ 14,524
814	Edgewater Blvd	AC	Gravity	SC039	300	123.7	1974	65	49	16	\$ 86,700	\$ 11,900	\$ 37,500	\$ 136,100	\$ 2,094	\$ 8,506	\$ 186,836	\$ 10,024
815	Edgewater Blvd	AC	Gravity	SC039	300	117.7	1974	65	49	16	\$ 82,500	\$ 11,900	\$ 75,000	\$ 169,400	\$ 2,606	\$ 10,588	\$ 232,550	\$ 12,476
816	Edgewater Blvd	AC	Gravity	SC039	300	118.4	1974	65	49	16	\$ 108,600	\$ 23,700	\$ 68,400	\$ 200,700	\$ 3,088	\$ 12,544	\$ 275,518	\$ 14,782
817	Edgewater Blvd	AC	Gravity	SC036	250	110.9	1974	65	49	16	\$ 97,400	\$ 23,700	\$ 74,900	\$ 196,000	\$ 3,015	\$ 12,250	\$ 269,066	\$ 14,435
818	Edgewater Blvd	AC	Gravity	SC036	250	109.8	1974	65	49	16	\$ 73,600	\$ 11,900	\$ 55,900	\$ 141,400	\$ 2,175	\$ 8,838	\$ 194,112	\$ 10,414
819	Edgewater Blvd	AC	Gravity	SC036	250	110.4	1974	65	49	16	\$ 74,000	\$ 11,900	\$ 62,200	\$ 148,100	\$ 2,278	\$ 9,256	\$ 203,310	\$ 10,908
820	Edgewater Blvd	AC	Gravity	SC035	250	111.3	1974	65	49	16	\$ 74,600	\$ 11,900	\$ 55,900	\$ 142,400	\$ 2,191	\$ 8,900	\$ 195,485	\$ 10,488
821	Edgewater Blvd	AC	Gravity	SC035	250	110.8	1974	65	49	16	\$ 74,300	\$ 11,900	\$ 55,900	\$ 142,100	\$ 2,186	\$ 8,881	\$ 195,073	\$ 10,466
822	Essex Rd	AC	Gravity	SC061	250	53.9	1974	65	49	16	\$ 33,400	\$ 8,700	\$ 6,000	\$ 48,100	\$ 740	\$ 3,006	\$ 66,031	\$ 3,543
823	Essex Rd	AC	Gravity	SC061	250	48.6	1974	65	49	16	\$ 30,100	\$ 8,700	\$ 23,700	\$ 62,500	\$ 962	\$ 3,906	\$ 85,799	\$ 4,603
824	Essex Rd	AC	Gravity	SC061	250	49.6	1974	65	49	16	\$ 30,700	\$ 8,700	\$ 23,700	\$ 63,100	\$ 971	\$ 3,944	\$ 86,623	\$ 4,647
825	Essex Rd	AC	Gravity	SC061	250	51.9	1974	65	49	16	\$ 32,100	\$ 8,700	\$ 17,800	\$ 58,600	\$ 902	\$ 3,663	\$ 80,445	\$ 4,316
826	Essex Rd	AC	Gravity	SC061	250	17.2	1974	65	49	16	\$ 11,600	\$ 11,900	\$ -	\$ 23,500	\$ 362	\$ 1,469	\$ 32,260	\$ 1,731
827	Kensington Blvd	AC	Gravity	SC055	250	68.8	1974	65	49	16	\$ 51,500	\$ 19,700	\$ 6,600	\$ 77,800	\$ 1,197	\$ 4,863	\$ 106,803	\$ 5,730
828	Kensington Blvd	AC	Gravity	SC055	250	95.4	1974	65	49	16	\$ 64,000	\$ 11,900	\$ 18,700	\$ 94,600	\$ 1,455	\$ 5,913	\$ 129,866	\$ 6,967
829	Kensington Blvd	AC	Gravity	SC055	250	87.0	1974	65	49	16	\$ 58,300	\$ 11,900	\$ 24,900	\$ 95,100	\$ 1,463	\$ 5,944	\$ 130,552	\$ 7,004
830	Kensington Blvd	AC	Gravity	SC055	250	64.9	1974	65	49	16	\$ 43,600	\$ 11,900	\$ 18,700	\$ 74,200	\$ 1,142	\$ 4,638	\$ 101,861	\$ 5,465
830	Kensington Blvd	AC	Gravity	SC055	250	23.9	1974	65	49	16	\$ 16,100	\$ 11,900	\$ 12,500	\$ 40,500	\$ 623	\$ 2,531	\$ 55,598	\$ 2,983
831	Kensington Blvd	AC	Gravity	SC054	250	60.1	1974	65	49	16	\$ 40,300	\$ 11,900	\$ 18,700	\$ 70,900	\$ 1,091	\$ 4,431	\$ 97,331	\$ 5,222
835	Manning Rd	CONC	Gravity	T_SC1	600	34.5	1974	65	49	16	\$ 33,100	\$ 11,900	\$ -	\$ 45,000	\$ 692	\$ 2,813	\$ 61,775	\$ 3,314

**Appendix H-2
Wastewater Sewer Inventory**

GIS Database											2021 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				
836	Tecumseh Rd	AC	Gravity	SC068	250	116.6	1974	65	49	16	\$ 78,200	\$ 11,900	\$ 24,900	\$ 115,000	\$ 1,769	\$ 7,188	\$ 157,870	\$ 8,470
837	Tecumseh Rd	AC	Gravity	SC083	250	116.4	1974	65	49	16	\$ 78,000	\$ 11,900	\$ 12,500	\$ 102,400	\$ 1,575	\$ 6,400	\$ 140,573	\$ 7,542
838	Tecumseh Rd	AC	Gravity	SC083	250	93.8	1974	65	49	16	\$ 62,900	\$ 11,900	\$ 6,300	\$ 81,100	\$ 1,248	\$ 5,069	\$ 111,333	\$ 5,973
839	Tecumseh Rd	AC	Gravity	SC084	250	69.3	1974	65	49	16	\$ 46,500	\$ 11,900	\$ 6,300	\$ 64,700	\$ 995	\$ 4,044	\$ 88,819	\$ 4,765
840	Tecumseh Rd	AC	Gravity	SC084	250	101.9	1974	65	49	16	\$ 76,300	\$ 19,700	\$ 19,600	\$ 115,600	\$ 1,778	\$ 7,225	\$ 158,694	\$ 8,514
841	Christy Lane	PVC	Gravity	SC002	200	80.9	1993	65	30	35	\$ 49,100	\$ 8,700	\$ 53,300	\$ 111,100	\$ 1,709	\$ 3,174	\$ 222,188	\$ 4,444
842	Christy Lane	PVC	Gravity	SC002	200	75.6	1993	65	30	35	\$ 45,900	\$ 8,700	\$ 41,500	\$ 96,100	\$ 1,478	\$ 2,746	\$ 192,189	\$ 3,844
843	Christy Lane	PVC	Gravity	SC002	200	91.1	1993	65	30	35	\$ 60,000	\$ 11,900	\$ 31,100	\$ 103,000	\$ 1,585	\$ 2,943	\$ 205,989	\$ 4,120
844	Christy Lane	PVC	Gravity	SC002	200	14.5	1993	65	30	35	\$ 9,600	\$ 11,900	\$ -	\$ 21,500	\$ 331	\$ 614	\$ 42,998	\$ 860
845	Brighton Rd	PVC	Gravity	SC010	250	4.0	1985	65	38	27	\$ 2,700	\$ 11,900	\$ -	\$ 14,600	\$ 225	\$ 541	\$ 24,921	\$ 705
853	Kensington Blvd	AC	Gravity	SC054	250	90.3	1974	65	49	16	\$ 60,500	\$ 11,900	\$ 18,700	\$ 91,100	\$ 1,402	\$ 5,694	\$ 125,061	\$ 6,710
854	Kensington Blvd	AC	Gravity	SC054	250	61.6	1974	65	49	16	\$ 41,300	\$ 11,900	\$ 18,700	\$ 71,900	\$ 1,106	\$ 4,494	\$ 98,703	\$ 5,295
855	Kensington Blvd	AC	Gravity	SC054	250	92.1	1974	65	49	16	\$ 61,800	\$ 11,900	\$ 18,700	\$ 92,400	\$ 1,422	\$ 5,775	\$ 126,845	\$ 6,805
856	Kensington Blvd	AC	Gravity	SC054	250	94.0	1974	65	49	16	\$ 63,000	\$ 11,900	\$ 6,300	\$ 81,200	\$ 1,249	\$ 5,075	\$ 111,470	\$ 5,980
857	Kensington Blvd	AC	Gravity	SC054	250	11.9	1974	65	49	16	\$ 8,000	\$ 11,900	\$ -	\$ 19,900	\$ 306	\$ 1,244	\$ 27,318	\$ 1,466
858	Alden Cres	AC	Gravity	SC051	200	56.9	1974	65	49	16	\$ 34,500	\$ 8,700	\$ -	\$ 43,200	\$ 665	\$ 2,700	\$ 59,304	\$ 3,182
859	Alden Cres	AC	Gravity	SC051	200	26.9	1974	65	49	16	\$ 16,300	\$ 8,700	\$ 23,700	\$ 48,700	\$ 749	\$ 3,044	\$ 66,855	\$ 3,587
860	Alden Cres	AC	Gravity	SC051	200	32.0	1974	65	49	16	\$ 19,500	\$ 8,700	\$ 23,700	\$ 51,900	\$ 798	\$ 3,244	\$ 71,248	\$ 3,822
861	Mack Crt	CONC	Gravity	SC046	525	61.7	1974	65	49	16	\$ 69,400	\$ 23,700	\$ 7,000	\$ 100,100	\$ 1,540	\$ 6,256	\$ 137,416	\$ 7,372
862	Mack Crt	AC	Gravity	SC047	200	34.4	1974	65	49	16	\$ 29,700	\$ 23,700	\$ 20,500	\$ 73,900	\$ 1,137	\$ 4,619	\$ 101,449	\$ 5,443
863	Mack Crt	AC	Gravity	SC047	200	21.3	1974	65	49	16	\$ 18,400	\$ 23,700	\$ 6,900	\$ 49,000	\$ 754	\$ 3,063	\$ 67,266	\$ 3,609
864	Mack Crt	CONC	Gravity	SC048	525	94.8	1974	65	49	16	\$ 106,500	\$ 23,700	\$ 21,000	\$ 151,200	\$ 2,326	\$ 9,450	\$ 207,565	\$ 11,136
865	Hayes Ave	CONC	Gravity	SC038	525	110.3	1974	65	49	16	\$ 123,900	\$ 23,700	\$ 14,000	\$ 161,600	\$ 2,486	\$ 10,100	\$ 221,842	\$ 11,902
866	Pentilly Rd	AC	Gravity	SC121	300	62.4	1974	65	49	16	\$ 48,800	\$ 19,700	\$ -	\$ 68,500	\$ 1,054	\$ 4,281	\$ 94,036	\$ 5,045
867	Pentilly Rd	AC	Gravity	SC121	300	78.6	1974	65	49	16	\$ 61,500	\$ 19,700	\$ 13,100	\$ 94,300	\$ 1,451	\$ 5,894	\$ 129,454	\$ 6,945
868	Pentilly Rd	AC	Gravity	SC121	300	99.0	1974	65	49	16	\$ 77,400	\$ 19,700	\$ 19,700	\$ 116,800	\$ 1,797	\$ 7,300	\$ 160,341	\$ 8,602
869	Pentilly Rd	AC	Gravity	SC121	300	88.6	1974	65	49	16	\$ 69,300	\$ 19,700	\$ 26,200	\$ 115,200	\$ 1,772	\$ 7,200	\$ 158,145	\$ 8,484
870	Pentilly Rd	AC	Gravity	SC121	300	115.2	1974	65	49	16	\$ 90,000	\$ 19,700	\$ 19,700	\$ 129,400	\$ 1,991	\$ 8,088	\$ 177,638	\$ 9,530
871	Pentilly Rd	AC	Gravity	SC121	300	108.0	1974	65	49	16	\$ 75,700	\$ 11,900	\$ 31,300	\$ 118,900	\$ 1,829	\$ 7,431	\$ 163,224	\$ 8,757
872	Derby Rd	AC	Gravity	SC107	300	101.4	1974	65	49	16	\$ 71,100	\$ 11,900	\$ 12,500	\$ 95,500	\$ 1,469	\$ 5,969	\$ 131,101	\$ 7,034
873	Derby Rd	AC	Gravity	SC107	300	81.7	1974	65	49	16	\$ 57,200	\$ 11,900	\$ 50,000	\$ 119,100	\$ 1,832	\$ 7,444	\$ 163,499	\$ 8,772
874	Derby Rd	AC	Gravity	SC107	300	94.2	1974	65	49	16	\$ 66,000	\$ 11,900	\$ 18,800	\$ 96,700	\$ 1,488	\$ 6,044	\$ 132,748	\$ 7,122
875	Riverside Dr E	AC	Gravity	SC001	300	107.0	1974	65	49	16	\$ 75,000	\$ 11,900	\$ 12,500	\$ 99,400	\$ 1,529	\$ 6,213	\$ 136,455	\$ 7,321
876	Riverside Dr E	AC	Gravity	SC001	300	91.9	1974	65	49	16	\$ 64,400	\$ 11,900	\$ 31,300	\$ 107,600	\$ 1,655	\$ 6,725	\$ 147,712	\$ 7,925
877	Riverside Dr E	AC	Gravity	SC003	300	98.0	1974	65	49	16	\$ 68,700	\$ 11,900	\$ 25,000	\$ 105,600	\$ 1,625	\$ 6,600	\$ 144,966	\$ 7,777
878	Riverside Dr E	AC	Gravity	SC003	300	98.6	1974	65	49	16	\$ 69,100	\$ 11,900	\$ 75,000	\$ 156,000	\$ 2,400	\$ 9,750	\$ 214,155	\$ 11,489
879	Riverside Dr E	AC	Gravity	SC003	300	105.3	1974	65	49	16	\$ 73,700	\$ 11,900	\$ 37,500	\$ 123,100	\$ 1,894	\$ 7,694	\$ 168,990	\$ 9,066
880	Riverside Dr E	AC	Gravity	SC003	300	106.2	1974	65	49	16	\$ 74,400	\$ 11,900	\$ 68,700	\$ 155,000	\$ 2,385	\$ 9,688	\$ 212,782	\$ 11,416
881	Riverside Dr E	AC	Gravity	SC004	300	74.0	1974	65	49	16	\$ 51,900	\$ 11,900	\$ 37,500	\$ 101,300	\$ 1,558	\$ 6,331	\$ 139,063	\$ 7,461
882	Riverside Dr E	AC	Gravity	SC004	300	69.3	1974	65	49	16	\$ 48,500	\$ 11,900	\$ 25,000	\$ 85,400	\$ 1,314	\$ 5,338	\$ 117,236	\$ 6,290
883	Riverside Dr E	AC	Gravity	SC005	250	86.0	1974	65	49	16	\$ 57,600	\$ 11,900	\$ 68,400	\$ 137,900	\$ 2,122	\$ 8,619	\$ 189,307	\$ 10,156
884	Riverside Dr E	AC	Gravity	SC005	250	39.5	1974	65	49	16	\$ 24,500	\$ 8,700	\$ 29,600	\$ 62,800	\$ 966	\$ 3,925	\$ 86,211	\$ 4,625
885	Riverside Dr E	AC	Gravity	SC006	250	97.2	1974	65	49	16	\$ 60,100	\$ 8,700	\$ 53,300	\$ 122,100	\$ 1,878	\$ 7,631	\$ 167,617	\$ 8,993
886	Riverside Dr E	AC	Gravity	SC007	400	93.5	1974	65	49	16	\$ 78,800	\$ 19,700	\$ 53,500	\$ 152,000	\$ 2,338	\$ 9,500	\$ 208,663	\$ 11,195
887	Riverside Dr E	AC	Gravity	SC007	400	105.7	1974	65	49	16	\$ 89,100	\$ 19,700	\$ 66,800	\$ 175,600	\$ 2,702	\$ 10,975	\$ 241,061	\$ 12,933
888	Riverside Dr E	AC	Gravity	SC007	400	113.9	1974	65	49	16	\$ 95,900	\$ 19,700	\$ 66,800	\$ 182,400	\$ 2,806	\$ 11,400	\$ 250,396	\$ 13,434
889	Riverside Dr E	AC	Gravity	SC007	400	96.8	1974	65	49	16	\$ 81,600	\$ 19,700	\$ 46,800	\$ 148,100	\$ 2,278	\$ 9,256	\$ 203,310	\$ 10,908
893	Cove Dr	PVC	Gravity	SC010	250	66.2	1985	65	38	27	\$ 44,400	\$ 11,900	\$ -	\$ 56,300	\$ 866	\$ 2,085	\$ 96,098	\$ 2,719
899	Manning Rd	PVC	Gravity	T_SC2	250	20.4	2001	65	22	43	\$ 12,700	\$ 8,700	\$ -	\$ 21,400	\$ 329	\$ 498	\$ 50,144	\$ 747
904	St Gregorys Rd	AC	Gravity	SC014	250	121.6	1978	65	45	20	\$ 81,500	\$ 11,900	\$ -	\$ 93,400	\$ 1,437	\$ 4,670	\$ 138,787	\$ 5,712

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
905	St Gregorys Rd	AC	Gravity	SC014	200	18.9	1978	65	45	20	\$ 11,500	\$ 8,700	\$ -	\$ 20,200	\$ 311	\$ 1,010	\$ 30,016	\$ 1,235
906	St Gregorys Rd	AC	Gravity	SC016	250	123.1	1978	65	45	20	\$ 82,500	\$ 11,900	\$ 24,900	\$ 119,300	\$ 1,835	\$ 5,965	\$ 177,274	\$ 7,296
907	St Gregorys Rd	AC	Outlet	SC017	250	103.9	1978	65	45	20	\$ 69,700	\$ 11,900	\$ 18,700	\$ 100,300	\$ 1,543	\$ 5,015	\$ 149,041	\$ 6,134
908	St Gregorys Rd	AC	Outlet	SC017	250	17.8	1978	65	45	20	\$ 12,000	\$ 11,900	\$ -	\$ 23,900	\$ 368	\$ 1,195	\$ 35,514	\$ 1,462
909	Caritas Crt	PVC	Gravity	SC116	200	37.2	1995	65	28	37	\$ 22,600	\$ 8,700	\$ 23,700	\$ 55,000	\$ 846	\$ 1,486	\$ 114,438	\$ 2,118
910	Caritas Crt	PVC	Gravity	SC116	200	30.8	1995	65	28	37	\$ 20,300	\$ 11,900	\$ 24,900	\$ 57,100	\$ 878	\$ 1,543	\$ 118,807	\$ 2,199
911	Brighton Rd	AC	Gravity	SC115	300	41.7	1974	65	49	16	\$ 29,200	\$ 11,900	\$ 6,300	\$ 47,400	\$ 729	\$ 2,963	\$ 65,070	\$ 3,491
912	Brighton Rd	AC	Gravity	SC117	300	57.8	1974	65	49	16	\$ 40,500	\$ 11,900	\$ 18,800	\$ 71,200	\$ 1,095	\$ 4,450	\$ 97,742	\$ 5,244
913	Starwood Lane	PVC	Trunk	SC126	200	122.4	1995	65	28	37	\$ 80,600	\$ 11,900	\$ 55,900	\$ 148,400	\$ 2,283	\$ 4,011	\$ 308,774	\$ 5,714
914	Southwind Cres	PVC	Gravity	SC127	200	20.1	1995	65	28	37	\$ 13,300	\$ 11,900	\$ 12,500	\$ 37,700	\$ 580	\$ 1,019	\$ 78,442	\$ 1,452
915	Southwind Cres	PVC	Gravity	SC127	200	38.2	1995	65	28	37	\$ 25,200	\$ 11,900	\$ 6,300	\$ 43,400	\$ 668	\$ 1,173	\$ 90,302	\$ 1,671
916	Starwood Lane	PVC	Trunk	SC126	200	119.8	1995	65	28	37	\$ 78,900	\$ 11,900	\$ 55,900	\$ 146,700	\$ 2,257	\$ 3,965	\$ 305,237	\$ 5,649
917	Southwind Cres	PVC	Gravity	SC127	200	21.7	1995	65	28	37	\$ 14,300	\$ 11,900	\$ 18,700	\$ 44,900	\$ 691	\$ 1,214	\$ 93,423	\$ 1,729
918	Southwind Cres	PVC	Gravity	SC127	200	115.0	1995	65	28	37	\$ 75,700	\$ 11,900	\$ 62,200	\$ 149,800	\$ 2,305	\$ 4,049	\$ 311,687	\$ 5,768
919	Southwind Cres	PVC	Gravity	SC127	200	116.1	1995	65	28	37	\$ 76,500	\$ 11,900	\$ 43,500	\$ 131,900	\$ 2,029	\$ 3,565	\$ 274,442	\$ 5,079
920	Brighton Rd	AC	Gravity	SC125	300	78.6	1974	65	49	16	\$ 55,100	\$ 11,900	\$ 31,300	\$ 98,300	\$ 1,512	\$ 6,144	\$ 134,945	\$ 7,240
921	Brighton Rd	AC	Gravity	SC128	300	28.9	1974	65	49	16	\$ 20,300	\$ 11,900	\$ 12,500	\$ 44,700	\$ 688	\$ 2,794	\$ 61,364	\$ 3,292
922	Brighton Rd	AC	Gravity	SC128	300	117.8	1974	65	49	16	\$ 82,500	\$ 11,900	\$ 18,800	\$ 113,200	\$ 1,742	\$ 7,075	\$ 155,399	\$ 8,337
928	Pentilly Rd	PVC	Gravity	SC120	250	52.7	1987	65	36	29	\$ 35,400	\$ 11,900	\$ 49,700	\$ 97,000	\$ 1,492	\$ 3,345	\$ 172,257	\$ 4,441
929	Pentilly Rd	PVC	Gravity	SC120	250	87.5	1987	65	36	29	\$ 58,700	\$ 11,900	\$ 31,100	\$ 101,700	\$ 1,565	\$ 3,507	\$ 180,603	\$ 4,656
930	St Gregorys Rd	AC	Outlet	SC017	250	9.3	1978	65	45	20	\$ 6,300	\$ 11,900	\$ -	\$ 18,200	\$ 280	\$ 910	\$ 27,044	\$ 1,113
931	St Gregorys Rd	AC	Outlet	SC017	250	85.5	1974	65	49	16	\$ 57,300	\$ 11,900	\$ 24,900	\$ 94,100	\$ 1,448	\$ 5,881	\$ 129,179	\$ 6,930
932	St Gregorys Rd	AC	Gravity	SC017	250	95.8	1974	65	49	16	\$ 64,200	\$ 11,900	\$ 31,100	\$ 107,200	\$ 1,649	\$ 6,700	\$ 147,163	\$ 7,895
933	Cada Cres	AC	Gravity	SC018	250	79.9	1974	65	49	16	\$ 53,600	\$ 11,900	\$ 24,900	\$ 90,400	\$ 1,391	\$ 5,650	\$ 124,100	\$ 6,658
934	Cada Cres	AC	Gravity	SC019	250	87.0	1974	65	49	16	\$ 58,400	\$ 11,900	\$ 37,300	\$ 107,600	\$ 1,655	\$ 6,725	\$ 147,712	\$ 7,925
935	Cada Cres	AC	Gravity	SC019	250	92.0	1974	65	49	16	\$ 61,700	\$ 11,900	\$ 43,500	\$ 117,100	\$ 1,802	\$ 7,319	\$ 160,753	\$ 8,624
936	Cada Cres	AC	Gravity	SC021	250	90.9	1974	65	49	16	\$ 68,100	\$ 19,700	\$ 45,600	\$ 133,400	\$ 2,052	\$ 8,338	\$ 183,130	\$ 9,825
937	Cada Cres	AC	Gravity	SC021	250	95.2	1974	65	49	16	\$ 71,300	\$ 19,700	\$ 65,100	\$ 156,100	\$ 2,402	\$ 9,756	\$ 214,292	\$ 11,497
938	Cada Cres	AC	Gravity	SC021	250	90.4	1974	65	49	16	\$ 67,700	\$ 19,700	\$ 45,600	\$ 133,000	\$ 2,046	\$ 8,313	\$ 182,580	\$ 9,795
939	Cada Cres	AC	Gravity	SC130	250	95.8	1974	65	49	16	\$ 71,700	\$ 19,700	\$ 32,600	\$ 124,000	\$ 1,908	\$ 7,750	\$ 170,225	\$ 9,133
940	Fairway Cres	AC	Gravity	SC024	250	95.3	1974	65	49	16	\$ 58,900	\$ 8,700	\$ 41,500	\$ 109,100	\$ 1,678	\$ 6,819	\$ 149,771	\$ 8,035
941	Fairway Cres	AC	Gravity	SC022	250	92.8	1974	65	49	16	\$ 62,200	\$ 11,900	\$ 31,100	\$ 105,200	\$ 1,618	\$ 6,575	\$ 144,417	\$ 7,748
942	Gordon Ave	AC	Gravity	SC023	250	94.7	1974	65	49	16	\$ 58,600	\$ 8,700	\$ 35,500	\$ 102,800	\$ 1,582	\$ 6,425	\$ 141,122	\$ 7,571
943	Gordon Ave	AC	Gravity	SC023	250	121.9	1974	65	49	16	\$ 75,400	\$ 8,700	\$ 76,900	\$ 161,000	\$ 2,477	\$ 10,063	\$ 221,018	\$ 11,858
944	Gordon Ave	AC	Gravity	SC023	250	119.6	1974	65	49	16	\$ 89,500	\$ 19,700	\$ 52,100	\$ 161,300	\$ 2,482	\$ 10,081	\$ 221,430	\$ 11,880
945	Fairway Cres	AC	Gravity	SC024	250	115.8	1974	65	49	16	\$ 71,600	\$ 8,700	\$ 53,300	\$ 133,600	\$ 2,055	\$ 8,350	\$ 183,404	\$ 9,840
946	Fairway Cres	AC	Gravity	SC024	250	111.2	1974	65	49	16	\$ 68,800	\$ 8,700	\$ 47,400	\$ 124,900	\$ 1,922	\$ 7,806	\$ 171,461	\$ 9,199
947	Fairway Cres	AC	Gravity	SC024	250	109.9	1974	65	49	16	\$ 82,300	\$ 19,700	\$ 52,100	\$ 154,100	\$ 2,371	\$ 9,631	\$ 211,546	\$ 11,349
948	Fairway Cres	AC	Gravity	SC025	250	105.6	1974	65	49	16	\$ 92,800	\$ 23,700	\$ 20,500	\$ 137,000	\$ 2,108	\$ 8,563	\$ 188,072	\$ 10,090
949	David Cres	AC	Gravity	SC031	250	92.9	1974	65	49	16	\$ 62,300	\$ 11,900	\$ 62,200	\$ 136,400	\$ 2,098	\$ 8,525	\$ 187,248	\$ 10,046
950	David Cres	AC	Gravity	SC031	250	98.4	1974	65	49	16	\$ 66,000	\$ 11,900	\$ 55,900	\$ 133,800	\$ 2,058	\$ 8,363	\$ 183,679	\$ 9,854
951	David Cres	AC	Gravity	SC031	250	97.4	1974	65	49	16	\$ 65,300	\$ 11,900	\$ 43,500	\$ 120,700	\$ 1,857	\$ 7,544	\$ 165,695	\$ 8,890
952	David Cres	AC	Gravity	SC031	250	92.9	1974	65	49	16	\$ 62,300	\$ 11,900	\$ 37,300	\$ 111,500	\$ 1,715	\$ 6,969	\$ 153,066	\$ 8,212
953	David Cres	AC	Gravity	SC029	250	106.8	1974	65	49	16	\$ 71,600	\$ 11,900	\$ 37,300	\$ 120,800	\$ 1,858	\$ 7,550	\$ 165,833	\$ 8,897
954	Jeffrey Pl	AC	Gravity	SC030	250	70.5	1974	65	49	16	\$ 43,600	\$ 8,700	\$ 59,200	\$ 111,500	\$ 1,715	\$ 6,969	\$ 153,066	\$ 8,212
955	Jeffrey Pl	AC	Gravity	SC030	250	59.5	1974	65	49	16	\$ 39,900	\$ 11,900	\$ 6,300	\$ 58,100	\$ 894	\$ 3,631	\$ 79,759	\$ 4,279
956	David Cres	AC	Gravity	SC032	250	113.2	1974	65	49	16	\$ 75,900	\$ 11,900	\$ 55,900	\$ 143,700	\$ 2,211	\$ 8,981	\$ 197,269	\$ 10,584
957	Grant Ave	AC	Gravity	SC028	250	110.7	1974	65	49	16	\$ 74,200	\$ 11,900	\$ 62,200	\$ 148,300	\$ 2,282	\$ 9,269	\$ 203,584	\$ 10,922
958	Grant Ave	AC	Gravity	SC033	250	107.4	1974	65	49	16	\$ 72,000	\$ 11,900	\$ 18,700	\$ 102,600	\$ 1,578	\$ 6,413	\$ 140,848	\$ 7,557
959	Grant Ave	AC	Gravity	SC033	250	13.8	1974	65	49	16	\$ 9,300	\$ 11,900	\$ -	\$ 21,200	\$ 326	\$ 1,325	\$ 29,103	\$ 1,561

**Appendix H-2
Wastewater Sewer Inventory**

GIS Database											2021 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				
960	Grant Ave	AC	Gravity	SC028	250	51.1	1974	65	49	16	\$ 34,300	\$ 11,900	\$ 24,900	\$ 71,100	\$ 1,094	\$ 4,444	\$ 97,605	\$ 5,237
961	Grant Ave	AC	Gravity	SC027	250	81.8	1974	65	49	16	\$ 71,900	\$ 23,700	\$ 27,300	\$ 122,900	\$ 1,891	\$ 7,681	\$ 168,715	\$ 9,052
962	Burlington Rd	AC	Gravity	SC057	250	82.0	1974	65	49	16	\$ 61,400	\$ 19,700	\$ 19,600	\$ 100,700	\$ 1,549	\$ 6,294	\$ 138,240	\$ 7,417
963	Tecumseh Rd	PVC	Gravity	SC067	200	38.5	1985	65	38	27	\$ 23,400	\$ 8,700	\$ -	\$ 32,100	\$ 494	\$ 1,189	\$ 54,791	\$ 1,550
964	Dresden Pl	PVC	Gravity	SC068	200	98.3	1985	65	38	27	\$ 59,600	\$ 8,700	\$ 41,500	\$ 109,800	\$ 1,689	\$ 4,067	\$ 187,416	\$ 5,303
965	Oakfield Crt	PVC	Gravity	SC070	200	77.1	1985	65	38	27	\$ 50,800	\$ 11,900	\$ 43,500	\$ 106,200	\$ 1,634	\$ 3,933	\$ 181,271	\$ 5,129
966	Cambridge Crt	PVC	Gravity	SC072	200	82.6	1985	65	38	27	\$ 54,400	\$ 11,900	\$ 43,500	\$ 109,800	\$ 1,689	\$ 4,067	\$ 187,416	\$ 5,303
967	Cumberland Crt	PVC	Gravity	SC074	200	89.2	1985	65	38	27	\$ 58,800	\$ 11,900	\$ 43,500	\$ 114,200	\$ 1,757	\$ 4,230	\$ 194,926	\$ 5,515
968	Birkdale Crt	PVC	Gravity	SC076	200	95.4	1985	65	38	27	\$ 62,800	\$ 11,900	\$ 37,300	\$ 112,000	\$ 1,723	\$ 4,148	\$ 191,171	\$ 5,409
969	Rostrevor Crt	PVC	Gravity	SC078	200	106.7	1984	65	39	26	\$ 64,700	\$ 8,700	\$ 41,500	\$ 114,900	\$ 1,768	\$ 4,419	\$ 192,276	\$ 5,710
970	Dresden Pl	PVC	Gravity	SC069	200	87.9	1985	65	38	27	\$ 53,300	\$ 8,700	\$ 29,600	\$ 91,600	\$ 1,409	\$ 3,393	\$ 156,351	\$ 4,424
971	Dresden Pl	PVC	Gravity	SC071	300	93.0	1985	65	38	27	\$ 65,100	\$ 11,900	\$ 25,000	\$ 102,000	\$ 1,569	\$ 3,778	\$ 174,102	\$ 4,926
972	Estate Park	AC	Gravity	SC102	300	98.1	1978	65	45	20	\$ 63,300	\$ 8,700	\$ 47,600	\$ 119,600	\$ 1,840	\$ 5,980	\$ 177,719	\$ 7,314
973	Estate Park	AC	Gravity	SC102	300	79.2	1978	65	45	20	\$ 51,100	\$ 8,700	\$ 35,700	\$ 95,500	\$ 1,469	\$ 4,775	\$ 141,908	\$ 5,840
974	Estate Park	AC	Gravity	SC102	300	44.3	1978	65	45	20	\$ 28,600	\$ 8,700	\$ 17,900	\$ 55,200	\$ 849	\$ 2,760	\$ 82,024	\$ 3,376
975	Talthorpe Pl	AC	Gravity	SC105	300	68.7	1978	65	45	20	\$ 44,400	\$ 8,700	\$ 11,900	\$ 65,000	\$ 1,000	\$ 3,250	\$ 96,587	\$ 3,975
976	Estate Park	AC	Gravity	SC108	300	74.4	1978	65	45	20	\$ 52,200	\$ 11,900	\$ 18,800	\$ 82,900	\$ 1,275	\$ 4,145	\$ 123,185	\$ 5,070
977	Estate Park	AC	Gravity	SC097	300	83.9	1978	65	45	20	\$ 54,200	\$ 8,700	\$ 35,700	\$ 98,600	\$ 1,517	\$ 4,930	\$ 146,514	\$ 6,030
978	Estate Park	AC	Gravity	SC097	300	74.7	1978	65	45	20	\$ 48,200	\$ 8,700	\$ 35,700	\$ 92,600	\$ 1,425	\$ 4,630	\$ 137,599	\$ 5,663
979	Estate Park	AC	Gravity	SC097	300	100.3	1978	65	45	20	\$ 64,700	\$ 8,700	\$ 35,700	\$ 109,100	\$ 1,678	\$ 5,455	\$ 162,117	\$ 6,672
980	Lexham Gdn	AC	Gravity	SC098	300	122.3	1978	65	45	20	\$ 78,900	\$ 8,700	\$ 59,500	\$ 147,100	\$ 2,263	\$ 7,355	\$ 218,583	\$ 8,996
981	Lexham Gdn	AC	Gravity	SC096	300	30.8	1978	65	45	20	\$ 19,900	\$ 8,700	\$ 17,900	\$ 46,500	\$ 715	\$ 2,325	\$ 69,097	\$ 2,844
982	Estate Park	AC	Gravity	SC099	300	71.1	1978	65	45	20	\$ 45,900	\$ 8,700	\$ 11,900	\$ 66,500	\$ 1,023	\$ 3,325	\$ 98,816	\$ 4,067
983	Estate Park	AC	Gravity	SC101	300	94.5	1978	65	45	20	\$ 61,000	\$ 8,700	\$ 35,700	\$ 105,400	\$ 1,622	\$ 5,270	\$ 156,619	\$ 6,446
984	Estate Park	AC	Gravity	SC102	300	115.8	1978	65	45	20	\$ 74,700	\$ 8,700	\$ 71,400	\$ 154,800	\$ 2,382	\$ 7,740	\$ 230,025	\$ 9,467
985	Canterberry Crt	AC	Gravity	SC100	300	78.3	1978	65	45	20	\$ 50,500	\$ 8,700	\$ 47,600	\$ 106,800	\$ 1,643	\$ 5,340	\$ 158,699	\$ 6,532
986	Wellwood Crt	AC	Trunk	SC104	300	93.6	1978	65	45	20	\$ 60,400	\$ 8,700	\$ 53,600	\$ 122,700	\$ 1,888	\$ 6,135	\$ 182,326	\$ 7,504
987	Talthorpe Pl	AC	Gravity	SC103	300	93.2	1978	65	45	20	\$ 60,200	\$ 8,700	\$ 35,700	\$ 104,600	\$ 1,609	\$ 5,230	\$ 155,430	\$ 6,397
988	Talthorpe Pl	AC	Gravity	SC103	300	72.8	1978	65	45	20	\$ 47,000	\$ 8,700	\$ 11,900	\$ 67,600	\$ 1,040	\$ 3,380	\$ 100,450	\$ 4,134
989	Brighton Rd	AC	Gravity	SC110	300	80.9	1974	65	49	16	\$ 52,200	\$ 8,700	\$ 11,900	\$ 72,800	\$ 1,120	\$ 4,550	\$ 99,939	\$ 5,362
990	Brighton Rd	AC	Gravity	SC112	300	10.6	1974	65	49	16	\$ 7,500	\$ 11,900	\$ -	\$ 19,400	\$ 298	\$ 1,213	\$ 26,632	\$ 1,429
991	Caritas Crt	PVC	Gravity	SC116	200	53.2	1995	65	28	37	\$ 32,300	\$ 8,700	\$ 71,000	\$ 112,000	\$ 1,723	\$ 3,027	\$ 233,037	\$ 4,313
992	Pentilly Rd	PVC	Gravity	SC120	250	22.9	1987	65	36	29	\$ 15,400	\$ 11,900	\$ -	\$ 27,300	\$ 420	\$ 941	\$ 48,481	\$ 1,250
993	Pentilly Rd	PVC	Gravity	SC121	250	28.1	1987	65	36	29	\$ 18,900	\$ 11,900	\$ -	\$ 30,800	\$ 474	\$ 1,062	\$ 54,696	\$ 1,410
994	Beach Grove Rd	PVC	Gravity	SC119	200	90.3	1987	65	36	29	\$ 59,400	\$ 11,900	\$ 18,700	\$ 90,000	\$ 1,385	\$ 3,103	\$ 159,826	\$ 4,120
995	Beach Grove Rd	PVC	Gravity	SC118	200	84.2	1987	65	36	29	\$ 55,500	\$ 11,900	\$ 24,900	\$ 92,300	\$ 1,420	\$ 3,183	\$ 163,910	\$ 4,225
996	Mei-Lin Cres	PVC	Gravity	SC111	200	76.2	1993	65	30	35	\$ 50,200	\$ 11,900	\$ 49,700	\$ 111,800	\$ 1,720	\$ 3,194	\$ 223,588	\$ 4,472
1012	Dresden Pl	PVC	Gravity	SC073	300	87.2	1985	65	38	27	\$ 61,100	\$ 11,900	\$ 12,500	\$ 85,500	\$ 1,315	\$ 3,167	\$ 145,939	\$ 4,129
1013	Dresden Pl	PVC	Gravity	SC075	300	83.6	1985	65	38	27	\$ 58,600	\$ 11,900	\$ -	\$ 70,500	\$ 1,085	\$ 2,611	\$ 120,335	\$ 3,405
1014	Dresden Pl	PVC	Gravity	SC077	300	88.4	1985	65	38	27	\$ 61,900	\$ 11,900	\$ 43,800	\$ 117,600	\$ 1,809	\$ 4,356	\$ 200,730	\$ 5,679
1015	Regent Rd	PVC	Gravity	SC080	200	37.7	1984	65	39	26	\$ 24,900	\$ 11,900	\$ 12,500	\$ 49,300	\$ 758	\$ 1,896	\$ 82,500	\$ 2,450
1016	Regent Rd	PVC	Gravity	SC082	200	9.9	1984	65	39	26	\$ 6,500	\$ 11,900	\$ 6,300	\$ 24,700	\$ 380	\$ 950	\$ 41,333	\$ 1,228
1017	Dresden Pl	PVC	Gravity	SC079	300	94.3	1984	65	39	26	\$ 60,900	\$ 8,700	\$ 29,800	\$ 99,400	\$ 1,529	\$ 3,823	\$ 166,338	\$ 4,940
1018	Dresden Pl	PVC	Gravity	SC081	300	108.6	1984	65	39	26	\$ 76,100	\$ 11,900	\$ 50,000	\$ 138,000	\$ 2,123	\$ 5,308	\$ 230,932	\$ 6,858
1019	Dresden Pl	PVC	Gravity	SC081	300	107.0	1984	65	39	26	\$ 74,900	\$ 11,900	\$ 31,300	\$ 118,100	\$ 1,817	\$ 4,542	\$ 197,631	\$ 5,869
1020	Dresden Pl	PVC	Gravity	SC081	200	112.2	1984	65	39	26	\$ 73,900	\$ 11,900	\$ 49,700	\$ 135,500	\$ 2,085	\$ 5,212	\$ 226,748	\$ 6,734
1021	Dorset Park	AC	Gravity	SC087	300	76.9	1978	65	45	20	\$ 53,900	\$ 11,900	\$ -	\$ 65,800	\$ 1,012	\$ 3,290	\$ 97,775	\$ 4,024
1022	Harbourne Cres	AC	Gravity	SC088	300	92.8	1978	65	45	20	\$ 65,000	\$ 11,900	\$ 6,300	\$ 83,200	\$ 1,280	\$ 4,160	\$ 123,631	\$ 5,088
1023	Harbourne Cres	AC	Gravity	SC088	300	90.2	1978	65	45	20	\$ 70,500	\$ 19,700	\$ 19,700	\$ 109,900	\$ 1,691	\$ 5,495	\$ 163,306	\$ 6,721
1024	Harbourne Cres	AC	Gravity	SC088	300	93.5	1978	65	45	20	\$ 73,100	\$ 19,700	\$ 13,100	\$ 105,900	\$ 1,629	\$ 5,295	\$ 157,362	\$ 6,476

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
1025	Dorset Park	AC	Gravity	SC087	200	29.9	1978	65	45	20	\$ 19,700	\$ 11,900	\$ 24,900	\$ 56,500	\$ 869	\$ 2,825	\$ 83,956	\$ 3,455
1026	Dorset Park	AC	Gravity	SC087	200	115.9	1979	65	44	21	\$ 76,300	\$ 11,900	\$ 62,200	\$ 150,400	\$ 2,314	\$ 7,162	\$ 227,956	\$ 8,841
1027	Dorset Park	AC	Gravity	SC087	250	93.4	1979	65	44	21	\$ 57,800	\$ 8,700	\$ 29,600	\$ 96,100	\$ 1,478	\$ 4,576	\$ 145,656	\$ 5,649
1028	Dorset Park	AC	Gravity	SC089	250	78.1	1979	65	44	21	\$ 52,400	\$ 11,900	\$ 31,100	\$ 95,400	\$ 1,468	\$ 4,543	\$ 144,595	\$ 5,608
1029	Dorset Park	AC	Gravity	SC093	250	86.3	1979	65	44	21	\$ 57,900	\$ 11,900	\$ 43,500	\$ 113,300	\$ 1,743	\$ 5,395	\$ 171,725	\$ 6,660
1030	Harbourne Cres	AC	Gravity	SC088	250	124.8	1979	65	44	21	\$ 93,400	\$ 19,700	\$ 52,100	\$ 165,200	\$ 2,542	\$ 7,867	\$ 250,388	\$ 9,711
1031	Harbourne Cres	AC	Gravity	SC088	200	82.6	1978	65	45	20	\$ 60,700	\$ 19,700	\$ 45,600	\$ 126,000	\$ 1,938	\$ 6,300	\$ 187,229	\$ 7,706
1032	Harbourne Cres	AC	Gravity	SC088	300	38.9	1978	65	45	20	\$ 30,500	\$ 19,700	\$ 13,100	\$ 63,300	\$ 974	\$ 3,165	\$ 94,060	\$ 3,871
1033	Tecumseh Rd	AC	Gravity	SC084	300	31.1	1978	65	45	20	\$ 24,300	\$ 19,700	\$ -	\$ 44,000	\$ 677	\$ 2,200	\$ 65,382	\$ 2,691
1034	Talthorpe Pl	AC	Gravity	SC105	300	84.4	1978	65	45	20	\$ 54,500	\$ 8,700	\$ 6,000	\$ 69,200	\$ 1,065	\$ 3,460	\$ 102,828	\$ 4,232
1035	Collier Cres	AC	Gravity	SC091	300	114.6	1978	65	45	20	\$ 80,300	\$ 11,900	\$ 62,500	\$ 154,700	\$ 2,380	\$ 7,735	\$ 229,876	\$ 9,461
1036	Collier Cres	AC	Gravity	SC091	300	50.9	1979	65	44	21	\$ 35,600	\$ 11,900	\$ -	\$ 47,500	\$ 731	\$ 2,262	\$ 71,994	\$ 2,792
1037	Collier Cres	AC	Gravity	SC091	250	38.6	1979	65	44	21	\$ 25,900	\$ 11,900	\$ -	\$ 37,800	\$ 582	\$ 1,800	\$ 57,292	\$ 2,222
1038	Collier Cres	AC	Gravity	SC091	200	39.1	1978	65	45	20	\$ 25,800	\$ 11,900	\$ 12,500	\$ 50,200	\$ 772	\$ 2,510	\$ 74,595	\$ 3,070
1039	Collier Cres	AC	Gravity	SC091	200	68.9	1978	65	45	20	\$ 50,600	\$ 19,700	\$ 32,600	\$ 102,900	\$ 1,583	\$ 5,145	\$ 152,904	\$ 6,293
1040	Collier Cres	AC	Gravity	SC091	200	76.8	1978	65	45	20	\$ 50,600	\$ 11,900	\$ 37,300	\$ 99,800	\$ 1,535	\$ 4,990	\$ 148,298	\$ 6,103
1041	Dorset Park	AC	Gravity	SC093	250	71.1	1979	65	44	21	\$ 47,700	\$ 11,900	\$ 43,500	\$ 103,100	\$ 1,586	\$ 4,910	\$ 156,265	\$ 6,061
1042	Dorset Park	AC	Gravity	SC093	250	90.0	1979	65	44	21	\$ 60,300	\$ 11,900	\$ 37,300	\$ 109,500	\$ 1,685	\$ 5,214	\$ 165,965	\$ 6,437
1043	Dorset Park	AC	Gravity	SC093	250	66.7	1979	65	44	21	\$ 44,700	\$ 11,900	\$ 24,900	\$ 81,500	\$ 1,254	\$ 3,881	\$ 123,527	\$ 4,791
1044	Dorset Park	AC	Gravity	SC093	200	33.8	1978	65	45	20	\$ 22,300	\$ 11,900	\$ 24,900	\$ 59,100	\$ 909	\$ 2,955	\$ 87,819	\$ 3,614
1045	Estate Park	AC	Gravity	SC097	300	93.0	1978	65	45	20	\$ 60,100	\$ 8,700	\$ 29,800	\$ 98,600	\$ 1,517	\$ 4,930	\$ 146,514	\$ 6,030
1046	Talthorpe Pl	AC	Gravity	SC105	300	87.0	1978	65	45	20	\$ 56,200	\$ 8,700	\$ 11,900	\$ 76,800	\$ 1,182	\$ 3,840	\$ 114,121	\$ 4,697
1047	Talthorpe Pl	AC	Gravity	SC105	300	70.4	1978	65	45	20	\$ 45,500	\$ 8,700	\$ 17,900	\$ 72,100	\$ 1,109	\$ 3,605	\$ 107,137	\$ 4,409
1048	County Rd 42	AC	Gravity	SS115	200	96.4	1976	65	47	18	\$ 63,500	\$ 11,900	\$ 49,700	\$ 125,100	\$ 1,925	\$ 6,950	\$ 178,674	\$ 8,344
1049	County Rd 42	AC	Gravity	SS115	200	92.0	1976	65	47	18	\$ 60,600	\$ 11,900	\$ 37,300	\$ 109,800	\$ 1,689	\$ 6,100	\$ 156,821	\$ 7,324
1050	Banwell Rd	AC	Gravity	SS116	200	117.9	1976	65	47	18	\$ 77,600	\$ 11,900	\$ 24,900	\$ 114,400	\$ 1,760	\$ 6,356	\$ 163,391	\$ 7,631
1051	County Rd 42	AC	Gravity	SS117	250	91.1	1976	65	47	18	\$ 61,100	\$ 11,900	\$ 24,900	\$ 97,900	\$ 1,506	\$ 5,439	\$ 139,825	\$ 6,530
1052	County Rd 42	AC	Gravity	SS117	250	90.9	1976	65	47	18	\$ 60,900	\$ 11,900	\$ 12,500	\$ 85,300	\$ 1,312	\$ 4,739	\$ 121,829	\$ 5,690
1053	County Rd 42	AC	Gravity	SS117	250	91.4	1976	65	47	18	\$ 61,300	\$ 11,900	\$ 18,700	\$ 91,900	\$ 1,414	\$ 5,106	\$ 131,256	\$ 6,130
1054	County Rd 42	AC	Gravity	SS117	250	92.1	1976	65	47	18	\$ 61,700	\$ 11,900	\$ 18,700	\$ 92,300	\$ 1,420	\$ 5,128	\$ 131,827	\$ 6,157
1055	County Rd 42	AC	Gravity	SS117	250	96.4	1976	65	47	18	\$ 64,600	\$ 11,900	\$ -	\$ 76,500	\$ 1,177	\$ 4,250	\$ 109,261	\$ 5,103
1056	County Rd 42	AC	Gravity	SS117	250	92.0	1976	65	47	18	\$ 61,700	\$ 11,900	\$ 24,900	\$ 98,500	\$ 1,515	\$ 5,472	\$ 140,682	\$ 6,570
1057	County Rd 42	AC	Gravity	SS119	250	91.9	1976	65	47	18	\$ 68,800	\$ 19,700	\$ 13,100	\$ 101,600	\$ 1,563	\$ 5,644	\$ 145,110	\$ 6,777
1058	County Rd 42	AC	Gravity	SS119	250	91.2	1976	65	47	18	\$ 68,200	\$ 19,700	\$ 6,600	\$ 94,500	\$ 1,454	\$ 5,250	\$ 134,969	\$ 6,303
1059	County Rd 42	AC	Gravity	SS120	250	90.6	1976	65	47	18	\$ 67,800	\$ 19,700	\$ 6,600	\$ 94,100	\$ 1,448	\$ 5,228	\$ 134,398	\$ 6,277
1060	County Rd 42	AC	Gravity	SS122	250	92.5	1976	65	47	18	\$ 69,200	\$ 19,700	\$ 6,600	\$ 95,500	\$ 1,469	\$ 5,306	\$ 136,398	\$ 6,370
1061	County Rd 42	AC	Gravity	SS133	250	107.4	1976	65	47	18	\$ 80,400	\$ 19,700	\$ 26,100	\$ 126,200	\$ 1,942	\$ 7,011	\$ 180,245	\$ 8,418
1062	County Rd 42	AC	Gravity	SS133	250	95.8	1976	65	47	18	\$ 84,200	\$ 23,700	\$ 27,300	\$ 135,200	\$ 2,080	\$ 7,511	\$ 193,099	\$ 9,018
1063	County Rd 42	AC	Gravity	SS145	250	42.1	1976	65	47	18	\$ 31,500	\$ 19,700	\$ -	\$ 51,200	\$ 788	\$ 2,844	\$ 73,126	\$ 3,415
1064	County Rd 42	AC	Gravity	SS145	250	105.2	1976	65	47	18	\$ 78,800	\$ 19,700	\$ 19,600	\$ 118,100	\$ 1,817	\$ 6,561	\$ 168,676	\$ 7,878
1065	County Rd 42	AC	Gravity	SS145	250	109.0	1976	65	47	18	\$ 81,500	\$ 19,700	\$ 32,600	\$ 133,800	\$ 2,058	\$ 7,433	\$ 191,099	\$ 8,925
1066	County Rd 42	AC	Gravity	SS153	250	69.9	1976	65	47	18	\$ 46,900	\$ 11,900	\$ 31,100	\$ 89,900	\$ 1,383	\$ 4,994	\$ 128,399	\$ 5,997
1067	County Rd 42	AC	Gravity	SS153	200	91.1	1976	65	47	18	\$ 60,000	\$ 11,900	\$ 18,700	\$ 90,600	\$ 1,394	\$ 5,033	\$ 129,399	\$ 6,043
1068	Maisonneuve St	AC	Gravity	SS35	250	69.6	1974	65	49	16	\$ 52,100	\$ 19,700	\$ 19,600	\$ 91,400	\$ 1,406	\$ 5,713	\$ 125,473	\$ 6,732
1069	Maisonneuve St	AC	Gravity	SS08	250	100.5	1974	65	49	16	\$ 67,400	\$ 11,900	\$ 12,500	\$ 91,800	\$ 1,412	\$ 5,738	\$ 126,022	\$ 6,761
1070	Maisonneuve St	AC	Gravity	SS22	300	104.8	1974	65	49	16	\$ 73,400	\$ 11,900	\$ 18,800	\$ 104,100	\$ 1,602	\$ 6,506	\$ 142,907	\$ 7,667
1071	Shawnee Rd	AC	Gravity	SS11	200	89.5	1976	65	47	18	\$ 59,000	\$ 11,900	\$ 24,900	\$ 95,800	\$ 1,474	\$ 5,322	\$ 136,826	\$ 6,390
1072	Shawnee Rd	AC	Gravity	SS11	200	74.7	1976	65	47	18	\$ 49,200	\$ 11,900	\$ 24,900	\$ 86,000	\$ 1,323	\$ 4,778	\$ 122,829	\$ 5,736
1073	Shawnee Rd	AC	Gravity	SS011	200	95.2	1976	65	47	18	\$ 62,700	\$ 11,900	\$ 49,700	\$ 124,300	\$ 1,912	\$ 6,906	\$ 177,531	\$ 8,291
1074	Shawnee Rd	AC	Gravity	SS11	200	66.7	1976	65	47	18	\$ 40,400	\$ 8,700	\$ 17,800	\$ 66,900	\$ 1,029	\$ 3,717	\$ 95,550	\$ 4,462

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
1075	Gouin St	AC	Gravity	SS24	300	105.5	1975	65	48	17	\$ 73,900	\$ 11,900	\$ 18,800	\$ 104,600	\$ 1,609	\$ 6,153	\$ 146,465	\$ 7,319
1076	Gouin St	AC	Gravity	SS32	300	107.5	1975	65	48	17	\$ 75,300	\$ 11,900	\$ 12,500	\$ 99,700	\$ 1,534	\$ 5,865	\$ 139,604	\$ 6,976
1077	Gouin St	AC	Gravity	SS32	300	107.7	1975	65	48	17	\$ 84,100	\$ 19,700	\$ 32,800	\$ 136,600	\$ 2,102	\$ 8,035	\$ 191,273	\$ 9,558
1078	Gouin St	AC	Gravity	SS12	250	80.3	1976	65	47	18	\$ 53,900	\$ 11,900	\$ 18,700	\$ 84,500	\$ 1,300	\$ 4,694	\$ 120,687	\$ 5,636
1079	Shawnee Rd	AC	Gravity	SS13	250	93.1	1976	65	47	18	\$ 62,400	\$ 11,900	\$ 55,900	\$ 130,200	\$ 2,003	\$ 7,233	\$ 185,958	\$ 8,685
1080	Shawnee Rd	AC	Gravity	SS13	200	97.3	1976	65	47	18	\$ 64,100	\$ 11,900	\$ 68,400	\$ 144,400	\$ 2,222	\$ 8,022	\$ 206,239	\$ 9,632
1081	Shawnee Rd	AC	Gravity	SS18	200	91.9	1976	65	47	18	\$ 60,500	\$ 11,900	\$ 43,500	\$ 115,900	\$ 1,783	\$ 6,439	\$ 165,534	\$ 7,731
1082	Shawn Ave	AC	Gravity	SS18	200	88.3	1976	65	47	18	\$ 58,200	\$ 11,900	\$ 43,500	\$ 113,600	\$ 1,748	\$ 6,311	\$ 162,249	\$ 7,577
1083	Shawnee Rd	AC	Gravity	SS18	200	92.0	1976	65	47	18	\$ 60,600	\$ 11,900	\$ 43,500	\$ 116,000	\$ 1,785	\$ 6,444	\$ 165,677	\$ 7,737
1084	Shawnee Rd	AC	Gravity	SS18	200	98.9	1976	65	47	18	\$ 65,100	\$ 11,900	\$ 49,700	\$ 126,700	\$ 1,949	\$ 7,039	\$ 180,959	\$ 8,451
1085	Shawnee Rd	AC	Gravity	SS19	200	86.7	1976	65	47	18	\$ 57,100	\$ 11,900	\$ 43,500	\$ 112,500	\$ 1,731	\$ 6,250	\$ 160,678	\$ 7,504
1086	Shawnee Rd	AC	Gravity	SS19	200	96.6	1976	65	47	18	\$ 63,600	\$ 11,900	\$ 55,900	\$ 131,400	\$ 2,022	\$ 7,300	\$ 187,672	\$ 8,765
1087	County Rd 42	AC	Gravity	SS153	200	91.4	1976	65	47	18	\$ 60,200	\$ 11,900	\$ 12,500	\$ 84,600	\$ 1,302	\$ 4,700	\$ 120,830	\$ 5,643
1088	12th Con Rd	AC	Gravity	SS181	200	93.5	1976	65	47	18	\$ 61,600	\$ 11,900	\$ 43,500	\$ 117,000	\$ 1,800	\$ 6,500	\$ 167,105	\$ 7,804
1089	12th Con Rd	AC	Gravity	SS181	200	94.8	1976	65	47	18	\$ 62,400	\$ 11,900	\$ 37,300	\$ 111,600	\$ 1,717	\$ 6,200	\$ 159,392	\$ 7,444
1090	12th Con Rd	AC	Gravity	SS181	200	84.7	1976	65	47	18	\$ 62,200	\$ 19,700	\$ 13,100	\$ 95,000	\$ 1,462	\$ 5,278	\$ 135,683	\$ 6,337
1091	Lesperance Rd	AC	Gravity	SS134	250	94.6	1976	65	47	18	\$ 63,400	\$ 11,900	\$ 18,700	\$ 94,000	\$ 1,446	\$ 5,222	\$ 134,255	\$ 6,270
1092	Lesperance Rd	AC	Gravity	SS134	250	95.9	1976	65	47	18	\$ 64,300	\$ 11,900	\$ 43,500	\$ 119,700	\$ 1,842	\$ 6,650	\$ 170,961	\$ 7,984
1093	Lesperance Rd	AC	Gravity	SS134	250	106.7	1976	65	47	18	\$ 71,500	\$ 11,900	\$ 37,300	\$ 120,700	\$ 1,857	\$ 6,706	\$ 172,389	\$ 8,051
1094	Lesperance Rd	AC	Gravity	SS135	250	106.7	1976	65	47	18	\$ 71,500	\$ 11,900	\$ 49,700	\$ 133,100	\$ 2,048	\$ 7,394	\$ 190,100	\$ 8,878
1095	Lesperance Rd	AC	Gravity	SS141	250	92.7	1976	65	47	18	\$ 62,100	\$ 11,900	\$ 37,300	\$ 111,300	\$ 1,712	\$ 6,183	\$ 158,964	\$ 7,424
1096	Lesperance Rd	AC	Gravity	SS141	200	100.9	1976	65	47	18	\$ 66,400	\$ 11,900	\$ 49,700	\$ 128,000	\$ 1,969	\$ 7,111	\$ 182,816	\$ 8,538
1097	Lesperance Rd	AC	Gravity	SS141	200	80.9	1976	65	47	18	\$ 53,300	\$ 11,900	\$ 49,700	\$ 114,900	\$ 1,768	\$ 6,383	\$ 164,105	\$ 7,664
1098	Lesperance Rd	AC	Gravity	SS141	200	60.5	1976	65	47	18	\$ 39,800	\$ 11,900	\$ 37,300	\$ 89,000	\$ 1,369	\$ 4,944	\$ 127,114	\$ 5,936
1099	Lesperance Rd	AC	Gravity	SS142	200	73.9	1976	65	47	18	\$ 48,700	\$ 11,900	\$ -	\$ 60,600	\$ 932	\$ 3,367	\$ 86,552	\$ 4,042
1100	Lesperance Rd	AC	Gravity	SS142	250	80.6	1976	65	47	18	\$ 54,100	\$ 11,900	\$ -	\$ 66,000	\$ 1,015	\$ 3,667	\$ 94,264	\$ 4,402
1101	Lesperance Rd	AC	Gravity	SS142	250	75.6	1976	65	47	18	\$ 50,700	\$ 11,900	\$ 6,300	\$ 68,900	\$ 1,060	\$ 3,828	\$ 98,406	\$ 4,596
1102	Lesperance Rd	AC	Gravity	SS144	250	14.1	1976	65	47	18	\$ 9,500	\$ 11,900	\$ -	\$ 21,400	\$ 329	\$ 1,189	\$ 30,564	\$ 1,427
1103	South Pacific Ave	AC	Gravity	SS143	250	82.6	1976	65	47	18	\$ 55,400	\$ 11,900	\$ -	\$ 67,300	\$ 1,035	\$ 3,739	\$ 96,121	\$ 4,489
1104	South Pacific Ave	AC	Gravity	SS143	250	104.2	1976	65	47	18	\$ 69,900	\$ 11,900	\$ 6,300	\$ 88,100	\$ 1,355	\$ 4,894	\$ 125,828	\$ 5,876
1105	Lesperance Rd	AC	Gravity	SS62	200	100.3	1976	65	47	18	\$ 66,100	\$ 11,900	\$ 43,500	\$ 121,500	\$ 1,869	\$ 6,750	\$ 173,532	\$ 8,104
1106	Lesperance Rd	AC	Gravity	SS76	300	105.8	1976	65	47	18	\$ 74,100	\$ 11,900	\$ 56,200	\$ 142,200	\$ 2,188	\$ 7,900	\$ 203,097	\$ 9,485
1107	Lesperance Rd	AC	Gravity	SS76	300	103.6	1976	65	47	18	\$ 72,500	\$ 11,900	\$ 50,000	\$ 134,400	\$ 2,068	\$ 7,467	\$ 191,956	\$ 8,965
1108	Lesperance Rd	AC	Gravity	SS76	300	103.4	1976	65	47	18	\$ 72,400	\$ 11,900	\$ 43,800	\$ 128,100	\$ 1,971	\$ 7,117	\$ 182,958	\$ 8,545
1109	St Alphonse St	AC	Gravity	SS123	450	13.8	1976	65	47	18	\$ 9,700	\$ 8,700	\$ -	\$ 18,400	\$ 283	\$ 1,022	\$ 26,280	\$ 1,227
1110	St Alphonse St	AC	Gravity	SS123	450	10.8	1976	65	47	18	\$ 7,500	\$ 8,700	\$ -	\$ 16,200	\$ 249	\$ 900	\$ 23,138	\$ 1,081
1111	St Alphonse St	AC	Gravity	SS123	450	73.5	1976	65	47	18	\$ 51,200	\$ 8,700	\$ 36,500	\$ 96,400	\$ 1,483	\$ 5,356	\$ 137,683	\$ 6,430
1112	St Alphonse St	AC	Gravity	SS123	450	28.8	1976	65	47	18	\$ 20,100	\$ 8,700	\$ 6,100	\$ 34,900	\$ 537	\$ 1,939	\$ 49,846	\$ 2,328
1113	St Alphonse St	AC	Gravity	SS125	450	102.1	1976	65	47	18	\$ 77,100	\$ 11,900	\$ 12,800	\$ 101,800	\$ 1,566	\$ 5,656	\$ 145,395	\$ 6,790
1114	St Alphonse St	AC	Gravity	SS125	450	112.8	1976	65	47	18	\$ 85,200	\$ 11,900	\$ 38,300	\$ 135,400	\$ 2,083	\$ 7,522	\$ 193,385	\$ 9,031
1115	St Alphonse St	AC	Gravity	SS128	450	80.0	1976	65	47	18	\$ 60,500	\$ 11,900	\$ 31,900	\$ 104,300	\$ 1,605	\$ 5,794	\$ 148,966	\$ 6,957
1116	St Alphonse St	AC	Gravity	SS128	450	89.7	1976	65	47	18	\$ 67,800	\$ 11,900	\$ 25,600	\$ 105,300	\$ 1,620	\$ 5,850	\$ 150,394	\$ 7,024
1117	St Alphonse St	AC	Gravity	SS128	450	88.0	1976	65	47	18	\$ 66,500	\$ 11,900	\$ 19,200	\$ 97,600	\$ 1,502	\$ 5,422	\$ 139,397	\$ 6,510
1118	St Alphonse St	AC	Gravity	SS131	450	88.5	1976	65	47	18	\$ 66,900	\$ 11,900	\$ 44,700	\$ 123,500	\$ 1,900	\$ 6,861	\$ 176,388	\$ 8,238
1119	St Alphonse St	AC	Gravity	SS131	450	79.6	1976	65	47	18	\$ 60,100	\$ 11,900	\$ 44,700	\$ 116,700	\$ 1,795	\$ 6,483	\$ 166,676	\$ 7,784
1120	St Alphonse St	AC	Gravity	SS131	450	87.6	1976	65	47	18	\$ 73,800	\$ 19,700	\$ 26,800	\$ 120,300	\$ 1,851	\$ 6,683	\$ 171,818	\$ 8,024
1121	South Pacific Ave	AC	Gravity	SS143	450	43.9	1976	65	47	18	\$ 33,200	\$ 11,900	\$ -	\$ 45,100	\$ 694	\$ 2,506	\$ 64,414	\$ 3,008
1122	South Pacific Ave	AC	Gravity	SS143	450	46.3	1976	65	47	18	\$ 35,000	\$ 11,900	\$ -	\$ 46,900	\$ 722	\$ 2,606	\$ 66,985	\$ 3,128
1123	St Anne St	AC	Gravity	SS56	450	51.1	1976	65	47	18	\$ 38,600	\$ 11,900	\$ -	\$ 50,500	\$ 777	\$ 2,806	\$ 72,126	\$ 3,368
1124	St Anne St	AC	Gravity	SS56	450	99.6	1976	65	47	18	\$ 83,900	\$ 19,700	\$ 46,800	\$ 150,400	\$ 2,314	\$ 8,356	\$ 214,808	\$ 10,032

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
1125	St Anne St	AC	Gravity	SS56	450	103.2	1976	65	47	18	\$ 86,900	\$ 19,700	\$ 60,200	\$ 166,800	\$ 2,566	\$ 9,267	\$ 238,231	\$ 11,126
1126	St Anne St	AC	Gravity	SS56	450	94.7	1976	65	47	18	\$ 79,800	\$ 19,700	\$ 46,800	\$ 146,300	\$ 2,251	\$ 8,128	\$ 208,952	\$ 9,759
1127	West Lake Dr	AC	Relief	SS26	250	94.5	1976	65	47	18	\$ 63,300	\$ 11,900	\$ 6,300	\$ 81,500	\$ 1,254	\$ 4,528	\$ 116,402	\$ 5,436
1128	West Lake Dr	AC	Trunk	SS46	300	69.1	1976	65	47	18	\$ 48,400	\$ 11,900	\$ -	\$ 60,300	\$ 928	\$ 3,350	\$ 86,123	\$ 4,022
1129	West Lake Dr	AC	Trunk	SS45	300	63.4	1977	65	46	19	\$ 44,500	\$ 11,900	\$ 6,300	\$ 62,700	\$ 965	\$ 3,300	\$ 91,342	\$ 3,999
1130	West Lake Dr	AC	Trunk	SS45	300	78.6	1977	65	46	19	\$ 55,000	\$ 11,900	\$ 43,800	\$ 110,700	\$ 1,703	\$ 5,826	\$ 161,269	\$ 7,061
1131	West Lake Dr	AC	Trunk	SS45	300	92.2	1977	65	46	19	\$ 64,600	\$ 11,900	\$ 18,800	\$ 95,300	\$ 1,466	\$ 5,016	\$ 138,834	\$ 6,078
1132	Intersection Rd	AC	Gravity	SS28	250	100.0	1975	65	48	17	\$ 74,800	\$ 19,700	\$ 52,100	\$ 146,600	\$ 2,255	\$ 8,624	\$ 205,275	\$ 10,258
1133	West Lake Dr	AC	Trunk	SS26	300	50.6	1975	65	48	17	\$ 35,500	\$ 11,900	\$ -	\$ 47,400	\$ 729	\$ 2,788	\$ 66,371	\$ 3,317
1134	West Lake Dr	AC	Trunk	SS46	300	30.6	1975	65	48	17	\$ 21,500	\$ 11,900	\$ -	\$ 33,400	\$ 514	\$ 1,965	\$ 46,768	\$ 2,337
1135	Lesperance Rd	AC	Gravity	SS62	250	77.2	1975	65	48	17	\$ 51,700	\$ 11,900	\$ 18,700	\$ 82,300	\$ 1,266	\$ 4,841	\$ 115,240	\$ 5,759
1136	Lesperance Rd	AC	Gravity	SS76	250	31.2	1975	65	48	17	\$ 21,000	\$ 11,900	\$ 6,300	\$ 39,200	\$ 603	\$ 2,306	\$ 54,889	\$ 2,743
1137	Lesperance Rd	AC	Gravity	SS76	300	23.5	1975	65	48	17	\$ 18,400	\$ 19,700	\$ 13,100	\$ 51,200	\$ 788	\$ 3,012	\$ 71,692	\$ 3,582
1138	Lesperance Rd	AC	Gravity	SS077	300	74.0	1975	65	48	17	\$ 51,800	\$ 11,900	\$ 18,800	\$ 82,500	\$ 1,269	\$ 4,853	\$ 115,520	\$ 5,773
1139	County Rd 42	AC	Gravity	SS117	250	42.2	1975	65	48	17	\$ 28,300	\$ 11,900	\$ -	\$ 40,200	\$ 618	\$ 2,365	\$ 56,290	\$ 2,813
1140	County Rd 42	AC	Gravity	SS119	250	54.0	1975	65	48	17	\$ 40,400	\$ 19,700	\$ -	\$ 60,100	\$ 925	\$ 3,535	\$ 84,155	\$ 4,205
1141	St Alphonse St	AC	Gravity	SS123	450	11.7	1975	65	48	17	\$ 8,200	\$ 8,700	\$ 6,100	\$ 23,000	\$ 354	\$ 1,353	\$ 32,206	\$ 1,609
1142	St Alphonse St	AC	Gravity	SS123	450	65.3	1975	65	48	17	\$ 45,500	\$ 8,700	\$ 18,300	\$ 72,500	\$ 1,115	\$ 4,265	\$ 101,518	\$ 5,073
1143	St Alphonse St	AC	Gravity	SS125	450	34.2	1975	65	48	17	\$ 25,800	\$ 11,900	\$ 12,800	\$ 50,500	\$ 777	\$ 2,971	\$ 70,712	\$ 3,533
1144	Maisonneuve St	PVC	Gravity	SS08	250	49.0	1999	65	24	41	\$ 32,900	\$ 11,900	\$ 6,300	\$ 51,100	\$ 786	\$ 1,246	\$ 115,087	\$ 1,838
1145	Corbi Lane	PVC	Gravity	SS09	250	75.0	1999	65	24	41	\$ 46,400	\$ 8,700	\$ 65,100	\$ 120,200	\$ 1,849	\$ 2,932	\$ 270,714	\$ 4,324
1146	Corbi Lane	PVC	Gravity	SS09	250	48.7	1999	65	24	41	\$ 30,200	\$ 8,700	\$ 23,700	\$ 62,600	\$ 963	\$ 1,527	\$ 140,988	\$ 2,252
1147	Corbi Lane	PVC	Gravity	SS09	250	81.0	1999	65	24	41	\$ 50,100	\$ 8,700	\$ 47,400	\$ 106,200	\$ 1,634	\$ 2,590	\$ 239,184	\$ 3,820
1148	Corbi Lane	PVC	Gravity	SS09	250	48.7	1999	65	24	41	\$ 32,700	\$ 11,900	\$ 12,500	\$ 57,100	\$ 878	\$ 1,393	\$ 128,601	\$ 2,054
1149	Corbi Lane	PVC	Gravity	SS10	250	61.4	1997	65	26	39	\$ 38,000	\$ 8,700	\$ 35,500	\$ 82,200	\$ 1,265	\$ 2,108	\$ 177,942	\$ 3,055
1150	Corbi Lane	PVC	Gravity	SS10	250	63.8	1997	65	26	39	\$ 39,400	\$ 8,700	\$ 35,500	\$ 83,600	\$ 1,286	\$ 2,144	\$ 180,973	\$ 3,108
1151	Corbi Lane	PVC	Gravity	SS10	250	86.1	1997	65	26	39	\$ 53,300	\$ 8,700	\$ 47,400	\$ 109,400	\$ 1,683	\$ 2,805	\$ 236,823	\$ 4,067
1152	Corbi Lane	PVC	Gravity	SS10	250	82.6	1997	65	26	39	\$ 55,400	\$ 11,900	\$ 49,700	\$ 117,000	\$ 1,800	\$ 3,000	\$ 253,275	\$ 4,349
1153	Gouin St	PVC	Gravity	SS12	250	46.0	1997	65	26	39	\$ 30,800	\$ 11,900	\$ 18,700	\$ 61,400	\$ 945	\$ 1,574	\$ 132,915	\$ 2,282
1154	Gouin St	PVC	Gravity	SS12	250	23.7	1997	65	26	39	\$ 15,900	\$ 11,900	\$ -	\$ 27,800	\$ 428	\$ 713	\$ 60,180	\$ 1,033
1155	Hebert St	PVC	Gravity	SS21	200	85.6	1988	65	35	30	\$ 56,400	\$ 11,900	\$ 49,700	\$ 118,000	\$ 1,815	\$ 3,933	\$ 213,741	\$ 5,269
1156	Hebert St	PVC	Gravity	SS21	250	98.9	1988	65	35	30	\$ 66,300	\$ 11,900	\$ 55,900	\$ 134,100	\$ 2,063	\$ 4,470	\$ 242,904	\$ 5,988
1157	Hebert St	PVC	Gravity	SS21	250	110.0	1988	65	35	30	\$ 73,700	\$ 11,900	\$ 49,700	\$ 135,300	\$ 2,082	\$ 4,510	\$ 245,077	\$ 6,041
1158	Maisonneuve St	AC	Gravity	SS22	300	37.2	1975	65	48	17	\$ 26,100	\$ 11,900	\$ 6,300	\$ 44,300	\$ 682	\$ 2,606	\$ 62,031	\$ 3,100
1159	Maisonneuve St	AC	Gravity	SS30	300	70.4	1975	65	48	17	\$ 49,300	\$ 11,900	\$ 12,500	\$ 73,700	\$ 1,134	\$ 4,335	\$ 103,198	\$ 5,157
1160	Hebert St	PVC	Gravity	SS23	200	82.6	1988	65	35	30	\$ 50,100	\$ 8,700	\$ 47,400	\$ 106,200	\$ 1,634	\$ 3,540	\$ 192,367	\$ 4,742
1161	Hebert St	PVC	Gravity	SS23	250	87.9	1988	65	35	30	\$ 54,300	\$ 8,700	\$ 53,300	\$ 116,300	\$ 1,789	\$ 3,877	\$ 210,661	\$ 5,193
1162	Hebert St	PVC	Gravity	SS23	250	114.1	1988	65	35	30	\$ 76,500	\$ 11,900	\$ 49,700	\$ 138,100	\$ 2,125	\$ 4,603	\$ 250,149	\$ 6,166
1163	Hebert St	PVC	Gravity	SS25	250	104.7	1986	65	37	28	\$ 64,800	\$ 8,700	\$ 41,500	\$ 115,000	\$ 1,769	\$ 4,107	\$ 200,218	\$ 5,404
1164	Hebert St	PVC	Gravity	SS25	300	90.0	1986	65	37	28	\$ 58,100	\$ 8,700	\$ 47,600	\$ 114,400	\$ 1,760	\$ 4,086	\$ 199,173	\$ 5,376
1165	Hebert St	PVC	Gravity	SS25	300	89.7	1986	65	37	28	\$ 62,800	\$ 11,900	\$ 50,000	\$ 124,700	\$ 1,918	\$ 4,454	\$ 217,106	\$ 5,860
1166	Hebert St	PVC	Gravity	SS25	300	53.1	1986	65	37	28	\$ 37,300	\$ 11,900	\$ 31,300	\$ 80,500	\$ 1,238	\$ 2,875	\$ 140,152	\$ 3,783
1167	Strawberry Dr	PVC	Trunk	SS147	200	121.1	1992	65	31	34	\$ 79,700	\$ 11,900	\$ 80,800	\$ 172,400	\$ 2,652	\$ 5,071	\$ 338,021	\$ 7,037
1168	Strawberry Dr	PVC	Relief	SS147	200	27.3	1992	65	31	34	\$ 18,000	\$ 11,900	\$ 18,700	\$ 48,600	\$ 748	\$ 1,429	\$ 95,289	\$ 1,984
1169	Strawberry Dr	PVC	Trunk	SS147	200	38.9	1993	65	30	35	\$ 25,600	\$ 11,900	\$ 18,700	\$ 56,200	\$ 865	\$ 1,606	\$ 112,394	\$ 2,248
1170	Wildberry Cres	PVC	Gravity	SS148	200	78.0	1993	65	30	35	\$ 51,400	\$ 11,900	\$ 37,300	\$ 100,600	\$ 1,548	\$ 2,874	\$ 201,189	\$ 4,024
1171	Strawberry Dr	PVC	Trunk	SS146	200	70.4	1992	65	31	34	\$ 46,400	\$ 11,900	\$ 37,300	\$ 95,600	\$ 1,471	\$ 2,812	\$ 187,441	\$ 3,902
1172	Strawberry Dr	PVC	Gravity	SS146	200	68.1	1992	65	31	34	\$ 44,900	\$ 11,900	\$ 31,100	\$ 87,900	\$ 1,352	\$ 2,585	\$ 172,343	\$ 3,588
1173	Wildberry Cres	PVC	Gravity	SS148	200	90.3	1993	65	30	35	\$ 59,500	\$ 11,900	\$ 55,900	\$ 127,300	\$ 1,958	\$ 3,637	\$ 254,586	\$ 5,092
1174	Wildberry Cres	PVC	Gravity	SS148	200	88.6	1993	65	30	35	\$ 58,300	\$ 11,900	\$ 74,600	\$ 144,800	\$ 2,228	\$ 4,137	\$ 289,584	\$ 5,792

Appendix H-2
Wastewater Sewer Inventory

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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				
1175	Wildberry Cres	PVC	Gravity	SS148	200	51.3	1993	65	30	35	\$ 31,100	\$ 8,700	\$ 47,400	\$ 87,200	\$ 1,342	\$ 2,491	\$ 174,390	\$ 3,488
1176	Wildberry Cres	PVC	Gravity	SS148	200	52.5	1992	65	31	34	\$ 31,900	\$ 8,700	\$ 17,800	\$ 58,400	\$ 898	\$ 1,718	\$ 114,503	\$ 2,384
1177	Strawberry Dr	PVC	Gravity	SS149	200	111.3	1992	65	31	34	\$ 67,500	\$ 8,700	\$ 71,000	\$ 147,200	\$ 2,265	\$ 4,329	\$ 288,612	\$ 6,009
1178	Strawberry Dr	PVC	Gravity	SS149	200	77.2	1992	65	31	34	\$ 46,800	\$ 8,700	\$ 71,000	\$ 126,500	\$ 1,946	\$ 3,721	\$ 248,026	\$ 5,164
1179	Strawberry Dr	PVC	Gravity	SS149	200	41.3	1992	65	31	34	\$ 25,100	\$ 8,700	\$ 11,900	\$ 45,700	\$ 703	\$ 1,344	\$ 89,603	\$ 1,865
1180	Wildberry Cres	PVC	Gravity	SS152	200	47.0	1993	65	30	35	\$ 31,000	\$ 11,900	\$ 12,500	\$ 55,400	\$ 852	\$ 1,583	\$ 110,794	\$ 2,216
1181	Wildberry Cres	PVC	Gravity	SS150	200	97.9	1993	65	30	35	\$ 59,400	\$ 8,700	\$ 11,900	\$ 80,000	\$ 1,231	\$ 2,286	\$ 159,991	\$ 3,200
1182	Blueberry Crt	PVC	Gravity	SS151	200	81.7	1993	65	30	35	\$ 53,800	\$ 11,900	\$ 24,900	\$ 90,600	\$ 1,394	\$ 2,589	\$ 181,190	\$ 3,624
1183	12th Con Rd	AC	Gravity	SS168	200	7.2	1975	65	48	17	\$ 4,400	\$ 8,700	\$ -	\$ 13,100	\$ 202	\$ 771	\$ 18,343	\$ 917
1184	12th Con Rd	AC	Gravity	SS168	200	45.1	1975	65	48	17	\$ 27,400	\$ 8,700	\$ 17,800	\$ 53,900	\$ 829	\$ 3,171	\$ 75,473	\$ 3,771
1185	Hebert St	PVC	Gravity	SS25	300	119.9	1986	65	37	28	\$ 84,000	\$ 11,900	\$ 50,000	\$ 145,900	\$ 2,245	\$ 5,211	\$ 254,015	\$ 6,856
1186	Hebert St	PVC	Gravity	SS27	200	122.3	1986	65	37	28	\$ 80,500	\$ 11,900	\$ 80,800	\$ 173,200	\$ 2,665	\$ 6,186	\$ 301,545	\$ 8,139
1187	Hebert St	PVC	Gravity	SS27	200	26.0	1986	65	37	28	\$ 17,200	\$ 11,900	\$ 18,700	\$ 47,800	\$ 735	\$ 1,707	\$ 83,221	\$ 2,246
1188	Lesperance Rd	CONC	Gravity	SS38	600	24.1	1975	65	48	17	\$ 30,400	\$ 23,700	\$ 14,100	\$ 68,200	\$ 1,049	\$ 4,012	\$ 95,496	\$ 4,772
1189	Lesperance Rd	CONC	Gravity	SS38	600	80.4	1975	65	48	17	\$ 86,100	\$ 19,700	\$ 40,300	\$ 146,100	\$ 2,248	\$ 8,594	\$ 204,575	\$ 10,223
1190	Lesperance Rd	CONC	Gravity	SS38	600	16.2	1975	65	48	17	\$ 17,400	\$ 19,700	\$ 6,800	\$ 43,900	\$ 675	\$ 2,582	\$ 61,471	\$ 3,072
1191	Lesperance Rd	CONC	Gravity	SS42	600	88.1	1975	65	48	17	\$ 94,300	\$ 19,700	\$ 40,300	\$ 154,300	\$ 2,374	\$ 9,076	\$ 216,057	\$ 10,796
1192	Lesperance Rd	CONC	Gravity	SS42	600	59.4	1975	65	48	17	\$ 63,600	\$ 19,700	\$ 26,900	\$ 110,200	\$ 1,695	\$ 6,482	\$ 154,307	\$ 7,711
1193	Lesperance Rd	CONC	Gravity	SS44	600	42.8	1975	65	48	17	\$ 45,800	\$ 19,700	\$ 20,200	\$ 85,700	\$ 1,318	\$ 5,041	\$ 120,001	\$ 5,996
1194	Lesperance Rd	CONC	Gravity	SS44	600	106.7	1975	65	48	17	\$ 114,300	\$ 19,700	\$ 47,000	\$ 181,000	\$ 2,785	\$ 10,647	\$ 253,444	\$ 12,665
1195	Lesperance Rd	CONC	Gravity	SS48	600	80.0	1975	65	48	17	\$ 85,600	\$ 19,700	\$ 6,800	\$ 112,100	\$ 1,725	\$ 6,594	\$ 156,967	\$ 7,844
1196	Lesperance Rd	CONC	Gravity	SS48	600	29.3	1975	65	48	17	\$ 31,500	\$ 19,700	\$ 6,800	\$ 58,000	\$ 892	\$ 3,412	\$ 81,214	\$ 4,058
1197	Calvary Crt	PVC	Gravity	SS40	200	68.6	1993	65	30	35	\$ 45,200	\$ 11,900	\$ 49,700	\$ 106,800	\$ 1,643	\$ 3,051	\$ 213,588	\$ 4,272
1198	Calvary Crt	PVC	Gravity	SS39	200	134.8	1993	65	30	35	\$ 99,000	\$ 19,700	\$ -	\$ 118,700	\$ 1,826	\$ 3,391	\$ 237,387	\$ 4,748
1199	Calvary Crt	PVC	Gravity	SS40	200	114.5	1999	65	24	41	\$ 75,400	\$ 11,900	\$ 37,300	\$ 124,600	\$ 1,917	\$ 3,039	\$ 280,624	\$ 4,482
1200	Calvary Crt	PVC	Gravity	SS429	250	64.5	1997	65	26	39	\$ 39,900	\$ 8,700	\$ 53,300	\$ 101,900	\$ 1,568	\$ 2,613	\$ 220,587	\$ 3,788
1201	Calvary Crt	PVC	Gravity	SS429	250	126.5	1997	65	26	39	\$ 111,100	\$ 23,700	\$ 20,500	\$ 155,300	\$ 2,389	\$ 3,982	\$ 336,185	\$ 5,773
1202	Chornoby Cres	PVC	Gravity	SS41	250	131.5	1996	65	27	38	\$ 88,100	\$ 11,900	\$ 80,800	\$ 180,800	\$ 2,782	\$ 4,758	\$ 383,712	\$ 6,838
1203	St Martin Cres	PVC	Force	SS070	250	85.3	1979	65	44	21	\$ 52,800	\$ 8,700	\$ 23,700	\$ 85,200	\$ 1,311	\$ 4,057	\$ 129,135	\$ 5,008
1204	St Martin Cres	PVC	Force	SS70	250	74.4	1979	65	44	21	\$ 46,000	\$ 8,700	\$ 35,500	\$ 90,200	\$ 1,388	\$ 4,295	\$ 136,713	\$ 5,302
1205	St Martin Cres	PVC	Force	SS70	250	74.5	1979	65	44	21	\$ 46,100	\$ 8,700	\$ 35,500	\$ 90,300	\$ 1,389	\$ 4,300	\$ 136,865	\$ 5,308
1206	St Martin Cres	PVC	Force	SS70	250	87.2	1979	65	44	21	\$ 53,900	\$ 8,700	\$ 35,500	\$ 98,100	\$ 1,509	\$ 4,671	\$ 148,687	\$ 5,767
1207	Meconi Dr	AC	Gravity	SS071	250	72.6	1992	65	31	34	\$ 44,900	\$ 8,700	\$ 29,600	\$ 83,200	\$ 1,280	\$ 2,447	\$ 163,128	\$ 3,396
1208	Meconi Dr	AC	Gravity	SS071	250	80.4	1992	65	31	34	\$ 49,700	\$ 8,700	\$ 29,600	\$ 88,000	\$ 1,354	\$ 2,588	\$ 172,539	\$ 3,592
1209	Charlene Lane	PVC	Gravity	SS72	250	85.7	1992	65	31	34	\$ 53,000	\$ 8,700	\$ 29,600	\$ 91,300	\$ 1,405	\$ 2,685	\$ 179,010	\$ 3,727
1210	Charlene Lane	PVC	Gravity	SS73	250	93.3	1992	65	31	34	\$ 57,700	\$ 8,700	\$ 35,500	\$ 101,900	\$ 1,568	\$ 2,997	\$ 199,793	\$ 4,159
1211	Charlene Lane	PVC	Gravity	SS73	250	87.7	1992	65	31	34	\$ 54,200	\$ 8,700	\$ 35,500	\$ 98,400	\$ 1,514	\$ 2,894	\$ 192,931	\$ 4,017
1212	Charlene Lane	PVC	Gravity	SS75	250	75.4	1992	65	31	34	\$ 46,600	\$ 8,700	\$ 23,700	\$ 79,000	\$ 1,215	\$ 2,324	\$ 154,893	\$ 3,225
1213	Eugeni St	PVC	Gravity	SS74	250	80.1	1992	65	31	34	\$ 49,500	\$ 8,700	\$ 17,800	\$ 76,000	\$ 1,169	\$ 2,235	\$ 149,011	\$ 3,102
1214	Eugeni St	PVC	Gravity	SS74	250	80.7	1992	65	31	34	\$ 49,900	\$ 8,700	\$ 17,800	\$ 76,400	\$ 1,175	\$ 2,247	\$ 149,796	\$ 3,119
1215	Eugeni St	PVC	Gravity	SS74	250	93.8	1992	65	31	34	\$ 58,000	\$ 8,700	\$ 35,500	\$ 102,200	\$ 1,572	\$ 3,006	\$ 200,381	\$ 4,172
1216	Eugeni St	PVC	Gravity	SS74	250	84.0	1992	65	31	34	\$ 52,000	\$ 8,700	\$ 41,500	\$ 102,200	\$ 1,572	\$ 3,006	\$ 200,381	\$ 4,172
1217	Charlene Lane	PVC	Gravity	SS75	250	113.0	1990	65	33	32	\$ 69,900	\$ 8,700	\$ 47,400	\$ 126,000	\$ 1,938	\$ 3,938	\$ 237,452	\$ 5,369
1218	Charlene Lane	PVC	Gravity	SS75	250	56.1	1990	65	33	32	\$ 34,700	\$ 8,700	\$ 35,500	\$ 78,900	\$ 1,214	\$ 2,466	\$ 148,690	\$ 3,362
1219	Charlene Lane	PVC	Gravity	SS75	250	85.4	1979	65	44	21	\$ 52,900	\$ 8,700	\$ 6,000	\$ 67,600	\$ 1,040	\$ 3,219	\$ 102,459	\$ 3,974
1220	St Agnes Dr	AC	Gravity	SS079	250	51.3	1979	65	44	21	\$ 31,800	\$ 8,700	\$ -	\$ 40,500	\$ 623	\$ 1,929	\$ 61,384	\$ 2,381
1221	Le Boeuf Ave	PVC	Gravity	SS121	200	120.7	1999	65	24	41	\$ 79,400	\$ 11,900	\$ 74,600	\$ 165,900	\$ 2,552	\$ 4,046	\$ 373,640	\$ 5,968
1222	Le Boeuf Ave	PVC	Gravity	SS121	200	62.4	1999	65	24	41	\$ 45,900	\$ 19,700	\$ 26,100	\$ 91,700	\$ 1,411	\$ 2,237	\$ 206,527	\$ 3,299
1223	Jillian Rd	PVC	Gravity	SS380	200	70.5	2001	65	22	43	\$ 42,800	\$ 8,700	\$ 41,500	\$ 93,000	\$ 1,431	\$ 2,163	\$ 217,917	\$ 3,245
1224	Docherty Dr	PVC	Gravity	SS138	250	60.6	1989	65	34	31	\$ 37,500	\$ 8,700	\$ 23,700	\$ 69,900	\$ 1,075	\$ 2,255	\$ 129,146	\$ 3,047

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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				
1225	Docherty Dr	PVC	Gravity	SS138	250	59.6	1989	65	34	31	\$ 36,900	\$ 8,700	\$ 41,500	\$ 87,100	\$ 1,340	\$ 2,810	\$ 160,925	\$ 3,797
1226	Docherty Dr	PVC	Gravity	SS138	250	121.2	1989	65	34	31	\$ 74,900	\$ 8,700	\$ 59,200	\$ 142,800	\$ 2,197	\$ 4,606	\$ 263,836	\$ 6,226
1227	Docherty Dr	PVC	Gravity	SS138	250	65.2	1989	65	34	31	\$ 40,400	\$ 8,700	\$ 41,500	\$ 90,600	\$ 1,394	\$ 2,923	\$ 167,392	\$ 3,950
1228	Docherty Dr	PVC	Gravity	SS140	250	68.7	1989	65	34	31	\$ 46,100	\$ 11,900	\$ 12,500	\$ 70,500	\$ 1,085	\$ 2,274	\$ 130,255	\$ 3,074
1229	Holmes Crt	PVC	Gravity	SS139	250	53.3	1989	65	34	31	\$ 33,000	\$ 8,700	\$ 41,500	\$ 83,200	\$ 1,280	\$ 2,684	\$ 153,719	\$ 3,627
1230	Holmes Crt	PVC	Gravity	SS139	250	38.3	1989	65	34	31	\$ 23,700	\$ 8,700	\$ 23,700	\$ 56,100	\$ 863	\$ 1,810	\$ 103,650	\$ 2,446
1231	Holmes Crt	PVC	Gravity	SS139	250	61.0	1989	65	34	31	\$ 37,700	\$ 8,700	\$ 35,500	\$ 81,900	\$ 1,260	\$ 2,642	\$ 151,318	\$ 3,571
1232	Shields Rd	PVC	Gravity	SS137	250	111.8	1989	65	34	31	\$ 74,900	\$ 11,900	\$ 31,100	\$ 117,900	\$ 1,814	\$ 3,803	\$ 217,831	\$ 5,140
1233	County Rd 42	AC	Gravity	SS153	250	50.9	1975	65	48	17	\$ 34,100	\$ 11,900	\$ 6,300	\$ 52,300	\$ 805	\$ 3,076	\$ 73,233	\$ 3,659
1234	County Rd 42	AC	Gravity	SS145	250	40.5	1975	65	48	17	\$ 27,200	\$ 11,900	\$ 6,300	\$ 45,400	\$ 698	\$ 2,671	\$ 63,571	\$ 3,177
1235	Strawberry Dr	PVC	Gravity	SS147	200	44.6	1992	65	31	34	\$ 29,400	\$ 11,900	\$ 12,500	\$ 53,800	\$ 828	\$ 1,582	\$ 105,484	\$ 2,196
1236	St Anne St	AC	Gravity	SS56	450	93.5	1976	65	47	18	\$ 78,800	\$ 19,700	\$ 60,200	\$ 158,700	\$ 2,442	\$ 8,817	\$ 226,663	\$ 10,586
1237	St Anne St	AC	Gravity	SS56	450	89.1	1976	65	47	18	\$ 75,100	\$ 19,700	\$ 26,800	\$ 121,600	\$ 1,871	\$ 6,756	\$ 173,675	\$ 8,111
1238	Intersection Rd	CONC	Gravity	SS28	600	38.1	1976	65	47	18	\$ 40,800	\$ 19,700	-	\$ 60,500	\$ 931	\$ 3,361	\$ 86,409	\$ 4,035
1239	St Anne St	CONC	Gravity	SS29	600	92.4	1976	65	47	18	\$ 98,900	\$ 19,700	\$ 33,600	\$ 152,200	\$ 2,342	\$ 8,456	\$ 217,379	\$ 10,152
1240	St Anne St	CONC	Gravity	SS29	600	73.4	1976	65	47	18	\$ 78,600	\$ 19,700	\$ 33,600	\$ 131,900	\$ 2,029	\$ 7,328	\$ 188,386	\$ 8,798
1241	St Anne St	CONC	Gravity	SS29	600	89.9	1976	65	47	18	\$ 96,300	\$ 19,700	\$ 60,500	\$ 176,500	\$ 2,715	\$ 9,806	\$ 252,085	\$ 11,773
1242	St Anne St	CONC	Gravity	SS29	600	97.1	1976	65	47	18	\$ 103,900	\$ 19,700	\$ 33,600	\$ 157,200	\$ 2,418	\$ 8,733	\$ 224,520	\$ 10,486
1243	St Anne St	CONC	Gravity	SS31	600	103.4	1976	65	47	18	\$ 110,700	\$ 19,700	\$ 53,800	\$ 184,200	\$ 2,834	\$ 10,233	\$ 263,083	\$ 12,287
1244	St Anne St	CONC	Gravity	SS31	600	108.4	1976	65	47	18	\$ 116,000	\$ 19,700	\$ 67,200	\$ 202,900	\$ 3,122	\$ 11,272	\$ 289,791	\$ 13,534
1245	St Anne St	CONC	Gravity	SS31	600	112.0	1976	65	47	18	\$ 119,900	\$ 19,700	\$ 26,900	\$ 166,500	\$ 2,562	\$ 9,250	\$ 237,803	\$ 11,106
1246	Gouin St	CONC	Gravity	SS37	600	72.9	1976	65	47	18	\$ 78,100	\$ 19,700	\$ 33,600	\$ 131,400	\$ 2,022	\$ 7,300	\$ 187,672	\$ 8,765
1247	Gouin St	CONC	Gravity	SS37	600	73.1	1976	65	47	18	\$ 92,000	\$ 23,700	\$ 14,100	\$ 129,800	\$ 1,997	\$ 7,211	\$ 185,386	\$ 8,658
1248	Lesperance Rd	AC	Gravity	SS34	200	89.7	1976	65	47	18	\$ 59,100	\$ 11,900	\$ 31,100	\$ 102,100	\$ 1,571	\$ 5,672	\$ 145,824	\$ 6,810
1249	Lesperance Rd	AC	Gravity	SS34	200	89.8	1976	65	47	18	\$ 59,200	\$ 11,900	\$ 43,500	\$ 114,600	\$ 1,763	\$ 6,367	\$ 163,677	\$ 7,644
1250	Lesperance Rd	AC	Gravity	SS34	200	76.6	1976	65	47	18	\$ 50,400	\$ 11,900	\$ 37,300	\$ 99,600	\$ 1,532	\$ 5,533	\$ 142,253	\$ 6,644
1251	Lesperance Rd	AC	Gravity	SS34	200	88.4	1976	65	47	18	\$ 58,200	\$ 11,900	\$ 37,300	\$ 107,400	\$ 1,652	\$ 5,967	\$ 153,394	\$ 7,164
1252	Lesperance Rd	AC	Gravity	SS36	200	74.5	1976	65	47	18	\$ 49,100	\$ 11,900	\$ 24,900	\$ 85,900	\$ 1,322	\$ 4,772	\$ 122,686	\$ 5,730
1253	Chornoby Cres	PVC	Gravity	SS41	250	60.7	1996	65	27	38	\$ 40,800	\$ 11,900	\$ 43,500	\$ 96,200	\$ 1,480	\$ 2,532	\$ 204,165	\$ 3,638
1254	Chornoby Cres	PVC	Gravity	SS41	250	121.8	1996	65	27	38	\$ 81,700	\$ 11,900	\$ 62,200	\$ 155,800	\$ 2,397	\$ 4,100	\$ 330,654	\$ 5,892
1255	Chornoby Cres	PVC	Gravity	SS41	250	44.1	1996	65	27	38	\$ 29,600	\$ 11,900	\$ 6,300	\$ 47,800	\$ 735	\$ 1,258	\$ 101,446	\$ 1,808
1256	Chornoby Cres	PVC	Gravity	SS47	200	41.0	1996	65	27	38	\$ 27,000	\$ 11,900	\$ 24,900	\$ 63,800	\$ 982	\$ 1,679	\$ 135,403	\$ 2,413
1257	Chornoby Cres	PVC	Gravity	SS47	200	100.7	1996	65	27	38	\$ 66,300	\$ 11,900	\$ 31,100	\$ 109,300	\$ 1,682	\$ 2,876	\$ 231,967	\$ 4,134
1258	Lessard St	PVC	Gravity	SS43	200	68.1	1987	65	36	29	\$ 41,300	\$ 8,700	\$ 41,500	\$ 91,500	\$ 1,408	\$ 3,155	\$ 162,490	\$ 4,189
1259	Lessard St	PVC	Gravity	SS43	200	28.7	1987	65	36	29	\$ 17,400	\$ 8,700	\$ 11,900	\$ 38,000	\$ 585	\$ 1,310	\$ 67,482	\$ 1,740
1260	Lessard St	PVC	Gravity	SS43	200	68.9	1987	65	36	29	\$ 50,600	\$ 19,700	\$ 13,100	\$ 83,400	\$ 1,283	\$ 2,876	\$ 148,105	\$ 3,818
1261	St Anne St	AC	Gravity	SS56	450	31.7	1975	65	48	17	\$ 24,000	\$ 11,900	\$ 12,800	\$ 48,700	\$ 749	\$ 2,865	\$ 68,192	\$ 3,408
1262	St Denis St	AC	Gravity	SS56	450	54.7	1975	65	48	17	\$ 46,100	\$ 19,700	\$ 20,100	\$ 85,900	\$ 1,322	\$ 5,053	\$ 120,281	\$ 6,010
1263	North Pacific Ave	PVC	Gravity	SS57	200	40.1	1990	65	33	32	\$ 26,500	\$ 11,900	\$ 31,100	\$ 69,500	\$ 1,069	\$ 2,172	\$ 130,976	\$ 2,961
1264	Murray Cres	PVC	Gravity	SS58	250	104.5	1988	65	35	30	\$ 64,700	\$ 8,700	\$ 59,200	\$ 132,600	\$ 2,040	\$ 4,420	\$ 240,187	\$ 5,921
1265	Murray Cres	PVC	Gravity	SS58	250	107.4	1988	65	35	30	\$ 66,400	\$ 8,700	\$ 53,300	\$ 128,400	\$ 1,975	\$ 4,280	\$ 232,579	\$ 5,733
1266	Murray Cres	PVC	Gravity	SS58	250	108.5	1988	65	35	30	\$ 67,100	\$ 8,700	\$ 59,200	\$ 135,000	\$ 2,077	\$ 4,500	\$ 244,534	\$ 6,028
1267	Murray Cres	PVC	Gravity	SS58	250	90.9	1988	65	35	30	\$ 60,900	\$ 11,900	\$ 24,900	\$ 97,700	\$ 1,503	\$ 3,257	\$ 176,970	\$ 4,362
1268	Shawnee Rd	PVC	Gravity	SS60	250	105.1	1989	65	34	31	\$ 70,500	\$ 11,900	\$ 62,200	\$ 144,600	\$ 2,225	\$ 4,665	\$ 267,161	\$ 6,304
1269	Shawnee Rd	PVC	Gravity	SS60	250	111.2	1989	65	34	31	\$ 74,500	\$ 11,900	\$ 49,700	\$ 136,100	\$ 2,094	\$ 4,390	\$ 251,457	\$ 5,933
1270	Shawnee Rd	PVC	Gravity	SS60	250	111.2	1989	65	34	31	\$ 74,600	\$ 11,900	\$ 62,200	\$ 148,700	\$ 2,288	\$ 4,797	\$ 274,736	\$ 6,483
1271	Shawnee Rd	PVC	Gravity	SS61	250	102.0	1988	65	35	30	\$ 68,400	\$ 11,900	\$ 37,300	\$ 117,600	\$ 1,809	\$ 3,920	\$ 213,016	\$ 5,251
1272	Desro Dr	PVC	Gravity	SS100	200	45.1	1988	65	35	30	\$ 27,400	\$ 8,700	-	\$ 36,100	\$ 555	\$ 1,203	\$ 65,390	\$ 1,612
1273	Desro Dr	PVC	Gravity	SS100	200	44.5	1988	65	35	30	\$ 27,000	\$ 8,700	-	\$ 35,700	\$ 549	\$ 1,190	\$ 64,666	\$ 1,594
1274	Desro Dr	PVC	Gravity	SS100	200	104.4	1988	65	35	30	\$ 63,300	\$ 8,700	-	\$ 72,000	\$ 1,108	\$ 2,400	\$ 130,418	\$ 3,215

**Appendix H-2
Wastewater Sewer Inventory**

GIS Database											2021 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				
1275	Desro Dr	PVC	Gravity	SS100	200	120.9	1988	65	35	30	\$ 73,300	\$ 8,700	\$ 6,000	\$ 88,000	\$ 1,354	\$ 2,933	\$ 159,400	\$ 3,929
1276	Verdant Crt	PVC	Gravity	SS80	250	40.0	1990	65	33	32	\$ 24,800	\$ 8,700	\$ 35,500	\$ 69,000	\$ 1,062	\$ 2,156	\$ 130,033	\$ 2,940
1277	St Agnes Dr	PVC	Gravity	SS79	250	47.6	1990	65	33	32	\$ 29,500	\$ 8,700	\$ -	\$ 38,200	\$ 588	\$ 1,194	\$ 71,989	\$ 1,628
1278	North Pacific Ave	PVC	Gravity	SS57	200	41.9	1989	65	34	31	\$ 25,400	\$ 8,700	\$ 17,800	\$ 51,900	\$ 798	\$ 1,674	\$ 95,890	\$ 2,263
1279	North Pacific Ave	PVC	Gravity	SS59	250	97.0	1989	65	34	31	\$ 65,000	\$ 11,900	\$ 24,900	\$ 101,800	\$ 1,566	\$ 3,284	\$ 188,085	\$ 4,438
1280	North Pacific Ave	PVC	Gravity	SS57	250	121.2	1990	65	33	32	\$ 81,200	\$ 11,900	\$ 37,300	\$ 130,400	\$ 2,006	\$ 4,075	\$ 245,744	\$ 5,556
1281	Mayrand Cres	PVC	Gravity	SS15	200	121.8	1989	65	34	31	\$ 80,200	\$ 11,900	\$ 49,700	\$ 141,800	\$ 2,182	\$ 4,574	\$ 261,988	\$ 6,182
1282	Mayrand Cres	PVC	Gravity	SS15	250	27.0	1989	65	34	31	\$ 18,100	\$ 11,900	\$ -	\$ 30,000	\$ 462	\$ 968	\$ 55,428	\$ 1,308
1283	Mayrand Cres	PVC	Gravity	SS15	250	46.9	1989	65	34	31	\$ 31,500	\$ 11,900	\$ 18,700	\$ 62,100	\$ 955	\$ 2,003	\$ 114,735	\$ 2,707
1284	Mayrand Cres	PVC	Gravity	SS15	250	74.7	1989	65	34	31	\$ 46,200	\$ 8,700	\$ 35,500	\$ 90,400	\$ 1,391	\$ 2,916	\$ 167,022	\$ 3,941
1285	Kavanagh Dr	PVC	Gravity	SS16	200	115.9	1989	65	34	31	\$ 70,300	\$ 8,700	\$ 53,300	\$ 132,300	\$ 2,035	\$ 4,268	\$ 244,436	\$ 5,768
1286	Mayrand Cres	PVC	Gravity	SS15	250	130.0	1989	65	34	31	\$ 87,100	\$ 11,900	\$ 12,500	\$ 111,500	\$ 1,715	\$ 3,597	\$ 206,006	\$ 4,861
1287	Gouin St	PVC	Gravity	SS12	250	32.3	1989	65	34	31	\$ 21,700	\$ 11,900	\$ 6,300	\$ 39,900	\$ 614	\$ 1,287	\$ 73,719	\$ 1,739
1288	Lesperance Rd	AC	Gravity	SS36	200	77.0	1976	65	47	18	\$ 50,700	\$ 11,900	\$ 37,300	\$ 99,900	\$ 1,537	\$ 5,550	\$ 142,682	\$ 6,664
1289	Lesperance Rd	AC	Gravity	SS36	200	81.0	1976	65	47	18	\$ 53,400	\$ 11,900	\$ 49,700	\$ 115,000	\$ 1,769	\$ 6,389	\$ 164,248	\$ 7,671
1290	Lesperance Rd	AC	Gravity	SS36	200	90.0	1976	65	47	18	\$ 77,600	\$ 23,700	\$ 40,900	\$ 142,200	\$ 2,188	\$ 7,900	\$ 203,097	\$ 9,485
1291	Lesperance Rd	CONC	Gravity	SS38	600	105.4	1976	65	47	18	\$ 132,800	\$ 23,700	\$ 49,200	\$ 205,700	\$ 3,165	\$ 11,428	\$ 293,790	\$ 13,721
1292	Lesperance Rd	CONC	Gravity	SS38	600	107.0	1976	65	47	18	\$ 114,500	\$ 19,700	\$ 33,600	\$ 167,800	\$ 2,582	\$ 9,322	\$ 239,660	\$ 11,193
1293	Lesperance Rd	CONC	Gravity	SS48	600	62.0	1976	65	47	18	\$ 66,400	\$ 19,700	\$ -	\$ 86,100	\$ 1,325	\$ 4,783	\$ 122,972	\$ 5,743
1294	Lesperance Rd	CONC	Gravity	T299	600	82.1	1976	65	47	18	\$ 87,900	\$ 19,700	\$ -	\$ 107,600	\$ 1,655	\$ 5,978	\$ 153,679	\$ 7,177
1295	Lesperance Rd	CONC	Gravity	T299	600	88.2	1976	65	47	18	\$ 94,400	\$ 19,700	\$ -	\$ 114,100	\$ 1,755	\$ 6,339	\$ 162,963	\$ 7,611
1296	Intersection Rd	AC	Gravity	SS28	250	95.9	1976	65	47	18	\$ 71,800	\$ 19,700	\$ 58,600	\$ 150,100	\$ 2,309	\$ 8,339	\$ 214,380	\$ 10,012
1297	Intersection Rd	AC	Gravity	SS33	300	61.7	1976	65	47	18	\$ 48,200	\$ 19,700	\$ 26,200	\$ 94,100	\$ 1,448	\$ 5,228	\$ 134,398	\$ 6,277
1298	Intersection Rd	AC	Gravity	SS33	300	83.8	1976	65	47	18	\$ 58,700	\$ 11,900	\$ 31,300	\$ 101,900	\$ 1,568	\$ 5,661	\$ 145,538	\$ 6,797
1299	Intersection Rd	AC	Gravity	SS06	200	61.0	1976	65	47	18	\$ 40,200	\$ 11,900	\$ 24,900	\$ 77,000	\$ 1,185	\$ 4,278	\$ 109,975	\$ 5,136
1300	Intersection Rd	AC	Gravity	SS20	250	87.3	1976	65	47	18	\$ 65,400	\$ 19,700	\$ 32,600	\$ 117,700	\$ 1,811	\$ 6,539	\$ 168,105	\$ 7,851
1301	Shawnee Rd	AC	Gravity	SS07	200	99.4	1976	65	47	18	\$ 73,000	\$ 19,700	\$ 32,600	\$ 125,300	\$ 1,928	\$ 6,961	\$ 178,959	\$ 8,358
1302	Shawnee Rd	AC	Gravity	SS07	200	103.7	1976	65	47	18	\$ 68,300	\$ 11,900	\$ 37,300	\$ 117,500	\$ 1,808	\$ 6,528	\$ 167,819	\$ 7,837
1303	Shawnee Rd	AC	Gravity	SS07	200	75.1	1976	65	47	18	\$ 45,500	\$ 8,700	\$ 41,500	\$ 95,700	\$ 1,472	\$ 5,317	\$ 136,683	\$ 6,383
1304	Shawnee Rd	AC	Gravity	SS07	200	90.2	1976	65	47	18	\$ 59,400	\$ 11,900	\$ 37,300	\$ 108,600	\$ 1,671	\$ 6,033	\$ 155,108	\$ 7,244
1305	Maisonneuve St	AC	Gravity	SS30	300	108.8	1974	65	49	16	\$ 85,000	\$ 19,700	\$ 26,200	\$ 130,900	\$ 2,014	\$ 8,181	\$ 179,698	\$ 9,641
1306	Maisonneuve St	AC	Gravity	SS35	250	75.7	1974	65	49	16	\$ 56,700	\$ 19,700	\$ 6,600	\$ 83,000	\$ 1,277	\$ 5,188	\$ 113,941	\$ 6,113
1307	Charlene Lane	PVC	Gravity	SS78	250	112.0	1979	65	44	21	\$ 69,300	\$ 8,700	\$ 23,700	\$ 101,700	\$ 1,565	\$ 4,843	\$ 154,143	\$ 5,978
1308	Charlene Lane	PVC	Gravity	SS75	250	67.1	1979	65	44	21	\$ 41,500	\$ 8,700	\$ 29,600	\$ 79,800	\$ 1,228	\$ 3,800	\$ 120,950	\$ 4,691
1309	Deslippe Dr	PVC	Gravity	SS88	250	57.4	1997	65	26	39	\$ 38,500	\$ 11,900	\$ 18,700	\$ 69,100	\$ 1,063	\$ 1,772	\$ 149,584	\$ 2,569
1310	Deslippe Dr	PVC	Gravity	SS88	250	85.9	1997	65	26	39	\$ 57,600	\$ 11,900	\$ 43,500	\$ 113,000	\$ 1,738	\$ 2,897	\$ 244,616	\$ 4,200
1311	Deslippe Dr	PVC	Gravity	SS88	250	83.9	1997	65	26	39	\$ 56,300	\$ 11,900	\$ 49,700	\$ 117,900	\$ 1,814	\$ 3,023	\$ 255,223	\$ 4,382
1312	Deslippe Dr	PVC	Gravity	SS88	250	83.4	1997	65	26	39	\$ 55,900	\$ 11,900	\$ 31,100	\$ 98,900	\$ 1,522	\$ 2,536	\$ 214,093	\$ 3,676
1313	Deslippe Dr	PVC	Gravity	SS90	250	87.1	1997	65	26	39	\$ 58,400	\$ 11,900	\$ 37,300	\$ 107,600	\$ 1,655	\$ 2,759	\$ 232,927	\$ 4,000
1314	Gouin St	PVC	Gravity	SS89	375	19.0	1997	65	26	39	\$ 13,900	\$ 11,900	\$ 6,300	\$ 32,100	\$ 494	\$ 823	\$ 69,488	\$ 1,193
1315	Gouin St	PVC	Gravity	SS89	375	112.3	1997	65	26	39	\$ 107,700	\$ 23,700	\$ 6,900	\$ 138,300	\$ 2,128	\$ 3,546	\$ 299,384	\$ 5,141
1316	Sylvestre Dr	PVC	Gravity	SS95	250	87.8	1995	65	28	37	\$ 58,900	\$ 11,900	\$ 6,300	\$ 77,100	\$ 1,186	\$ 2,084	\$ 160,421	\$ 2,969
1317	Sylvestre Dr	PVC	Gravity	SS95	250	122.2	1995	65	28	37	\$ 81,900	\$ 11,900	\$ 18,700	\$ 112,500	\$ 1,731	\$ 3,041	\$ 234,077	\$ 4,332
1318	Sylvestre Dr	PVC	Gravity	SS95	250	121.9	1995	65	28	37	\$ 81,700	\$ 11,900	\$ 12,500	\$ 106,100	\$ 1,632	\$ 2,868	\$ 220,761	\$ 4,086
1319	Sylvestre Dr	PVC	Gravity	SS95	250	120.5	1995	65	28	37	\$ 80,800	\$ 11,900	\$ 12,500	\$ 105,200	\$ 1,618	\$ 2,843	\$ 218,888	\$ 4,051
1320	Jamsyl Dr	PVC	Gravity	SS97	200	122.5	1995	65	28	37	\$ 74,300	\$ 8,700	\$ 23,700	\$ 106,700	\$ 1,642	\$ 2,884	\$ 222,009	\$ 4,109
1321	Jamsyl Dr	PVC	Gravity	SS97	200	121.7	1995	65	28	37	\$ 73,800	\$ 8,700	\$ 11,900	\$ 94,400	\$ 1,452	\$ 2,551	\$ 196,417	\$ 3,635
1322	Jamsyl Dr	PVC	Gravity	SS97	200	122.1	1995	65	28	37	\$ 80,400	\$ 11,900	\$ 31,100	\$ 123,400	\$ 1,898	\$ 3,335	\$ 256,757	\$ 4,752
1323	Jamsyl Dr	PVC	Gravity	SS97	200	67.3	1995	65	28	37	\$ 44,300	\$ 11,900	\$ -	\$ 56,200	\$ 865	\$ 1,519	\$ 116,935	\$ 2,164
1324	Sylvestre Dr	PVC	Gravity	SS98	300	116.9	1995	65	28	37	\$ 81,900	\$ 11,900	\$ 25,000	\$ 118,800	\$ 1,828	\$ 3,211	\$ 247,185	\$ 4,575

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
1325	Sylvestre Dr	PVC	Gravity	SS98	300	117.3	1995	65	28	37	\$ 107,600	\$ 23,700	\$ 41,100	\$ 172,400	\$ 2,652	\$ 4,659	\$ 358,710	\$ 6,639
1326	Sylvestre Dr	PVC	Gravity	SS98	300	91.0	1995	65	28	37	\$ 83,500	\$ 23,700	\$ -	\$ 107,200	\$ 1,649	\$ 2,897	\$ 223,049	\$ 4,128
1327	Sylvestre Dr	PVC	Gravity	SS98	200	18.0	1995	65	28	37	\$ 10,900	\$ 8,700	\$ -	\$ 19,600	\$ 302	\$ 530	\$ 40,781	\$ 755
1328	Sylvestre Dr	PVC	Gravity	SS98	200	114.6	1995	65	28	37	\$ 75,500	\$ 11,900	\$ -	\$ 87,400	\$ 1,345	\$ 2,362	\$ 181,852	\$ 3,365
1329	Sylvestre Dr	PVC	Gravity	SS98	300	112.2	1994	65	29	36	\$ 102,900	\$ 23,700	\$ 13,700	\$ 140,300	\$ 2,158	\$ 3,897	\$ 286,196	\$ 5,504
1330	Sylvestre Dr	PVC	Gravity	SS78	300	43.2	1995	65	28	37	\$ 39,700	\$ 23,700	\$ -	\$ 63,400	\$ 975	\$ 1,714	\$ 131,915	\$ 2,441
1331	12th Con Rd	AC	Gravity	SS181	200	50.2	1975	65	48	17	\$ 33,100	\$ 11,900	\$ 18,700	\$ 63,700	\$ 980	\$ 3,747	\$ 89,195	\$ 4,457
1332	Dimu Dr	PVC	Gravity	SS171	250	131.8	1996	65	27	38	\$ 81,500	\$ 8,700	\$ 82,900	\$ 173,100	\$ 2,663	\$ 4,555	\$ 367,370	\$ 6,547
1333	Dimu Dr	PVC	Gravity	SS170	250	56.2	1996	65	27	38	\$ 34,800	\$ 8,700	\$ 17,800	\$ 61,300	\$ 943	\$ 1,613	\$ 130,097	\$ 2,318
1334	Dimu Dr	PVC	Gravity	SS170	250	59.3	1996	65	27	38	\$ 36,700	\$ 8,700	\$ 17,800	\$ 63,200	\$ 972	\$ 1,663	\$ 134,129	\$ 2,390
1335	Emma Maria Cres	PVC	Gravity	SS172	250	63.5	1998	65	25	40	\$ 39,300	\$ 8,700	\$ 23,700	\$ 71,700	\$ 1,103	\$ 1,793	\$ 158,316	\$ 2,621
1336	Emma Maria Cres	PVC	Gravity	SS172	250	37.6	1998	65	25	40	\$ 23,300	\$ 8,700	\$ 23,700	\$ 55,700	\$ 857	\$ 1,393	\$ 122,988	\$ 2,036
1337	Emma Maria Cres	PVC	Gravity	SS172	250	129.9	1998	65	25	40	\$ 80,300	\$ 8,700	\$ 53,300	\$ 142,300	\$ 2,189	\$ 3,558	\$ 314,204	\$ 5,202
1338	Emma Maria Cres	PVC	Gravity	SS173	250	85.4	1998	65	25	40	\$ 52,800	\$ 8,700	\$ 29,600	\$ 91,100	\$ 1,402	\$ 2,278	\$ 201,152	\$ 3,330
1339	Emma Maria Cres	PVC	Gravity	SS173	250	58.1	1998	65	25	40	\$ 39,000	\$ 11,900	\$ -	\$ 50,900	\$ 783	\$ 1,273	\$ 112,389	\$ 1,861
1340	Cranbrook Cres	PVC	Gravity	SS174	200	70.5	1994	65	29	36	\$ 46,500	\$ 11,900	\$ 68,400	\$ 126,800	\$ 1,951	\$ 3,522	\$ 258,658	\$ 4,975
1341	Cranbrook Cres	PVC	Gravity	SS174	200	74.3	1994	65	29	36	\$ 48,900	\$ 11,900	\$ 43,500	\$ 104,300	\$ 1,605	\$ 2,897	\$ 212,760	\$ 4,092
1342	Cranbrook Cres	PVC	Gravity	SS175	250	37.2	1994	65	29	36	\$ 24,900	\$ 11,900	\$ 24,900	\$ 61,700	\$ 949	\$ 1,714	\$ 125,861	\$ 2,421
1343	Cranbrook Cres	PVC	Gravity	SS175	250	68.5	1994	65	29	36	\$ 46,000	\$ 11,900	\$ 12,500	\$ 70,400	\$ 1,083	\$ 1,956	\$ 143,608	\$ 2,762
1344	Cranbrook Cres	PVC	Gravity	SS174	200	121.5	1994	65	29	36	\$ 80,000	\$ 11,900	\$ 87,000	\$ 178,900	\$ 2,752	\$ 4,969	\$ 364,936	\$ 7,019
1345	Cranbrook Cres	PVC	Gravity	SS174	200	46.5	1994	65	29	36	\$ 30,600	\$ 11,900	\$ 24,900	\$ 67,400	\$ 1,037	\$ 1,872	\$ 137,488	\$ 2,644
1346	Cranbrook Cres	PVC	Gravity	SS174	200	102.5	1994	65	29	36	\$ 67,500	\$ 11,900	\$ 49,700	\$ 129,100	\$ 1,986	\$ 3,586	\$ 263,349	\$ 5,065
1347	Shiff Dr	PVC	Gravity	SS178	200	89.6	1996	65	27	38	\$ 59,000	\$ 11,900	\$ 93,200	\$ 164,100	\$ 2,525	\$ 4,318	\$ 348,269	\$ 6,206
1348	Green Crt	PVC	Gravity	SS177	200	57.7	1996	65	27	38	\$ 38,000	\$ 11,900	\$ 62,200	\$ 112,100	\$ 1,725	\$ 2,950	\$ 237,910	\$ 4,240
1349	Intersection Rd	AC	Gravity	SS06	200	62.9	1975	65	48	17	\$ 41,500	\$ 11,900	\$ 18,700	\$ 72,100	\$ 1,109	\$ 4,241	\$ 100,957	\$ 5,045
1350	Intersection Rd	PVC	Gravity	SS06	250	43.2	1975	65	48	17	\$ 29,000	\$ 11,900	\$ 6,300	\$ 47,200	\$ 726	\$ 2,776	\$ 66,091	\$ 3,303
1351	Intersection Rd	AC	Gravity	SS06	250	47.6	1975	65	48	17	\$ 31,900	\$ 11,900	\$ 6,300	\$ 50,100	\$ 771	\$ 2,947	\$ 70,152	\$ 3,505
1352	Meconi Dr	PVC	Gravity	SS063	250	95.5	1979	65	44	21	\$ 59,100	\$ 8,700	\$ 35,500	\$ 103,300	\$ 1,589	\$ 4,919	\$ 156,568	\$ 6,072
1353	Meconi Dr	PVC	Gravity	SS063	250	102.1	1979	65	44	21	\$ 68,500	\$ 11,900	\$ 37,300	\$ 117,700	\$ 1,811	\$ 5,605	\$ 178,394	\$ 6,919
1354	Funaro Cres	PVC	Gravity	SS64	250	77.7	1989	65	34	31	\$ 48,100	\$ 8,700	\$ -	\$ 56,800	\$ 874	\$ 1,832	\$ 104,943	\$ 2,476
1355	Funaro Cres	PVC	Gravity	SS66	250	69.7	1989	65	34	31	\$ 43,100	\$ 8,700	\$ -	\$ 51,800	\$ 797	\$ 1,671	\$ 95,705	\$ 2,258
1356	Funaro Cres	PVC	Gravity	SS64	250	23.5	1989	65	34	31	\$ 14,500	\$ 8,700	\$ -	\$ 23,200	\$ 357	\$ 748	\$ 42,864	\$ 1,011
1357	Funaro Cres	PVC	Gravity	SS065	250	83.2	1992	65	31	34	\$ 51,500	\$ 8,700	\$ 41,500	\$ 101,700	\$ 1,565	\$ 2,991	\$ 199,401	\$ 4,151
1358	Funaro Cres	PVC	Gravity	SS065	250	80.0	1992	65	31	34	\$ 49,500	\$ 8,700	\$ 29,600	\$ 87,800	\$ 1,351	\$ 2,582	\$ 172,147	\$ 3,584
1359	Funaro Cres	PVC	Gravity	SS427	250	72.2	1989	65	34	31	\$ 44,600	\$ 8,700	\$ 47,400	\$ 100,700	\$ 1,549	\$ 3,248	\$ 186,052	\$ 4,390
1360	Funaro Cres	PVC	Gravity	SS066	250	74.4	1989	65	34	31	\$ 46,000	\$ 8,700	\$ 47,400	\$ 102,100	\$ 1,571	\$ 3,294	\$ 188,639	\$ 4,451
1361	Funaro Cres	PVC	Gravity	SS426	250	64.9	1992	65	31	34	\$ 40,200	\$ 8,700	\$ 29,600	\$ 78,500	\$ 1,208	\$ 2,309	\$ 153,913	\$ 3,204
1362	Funaro Cres	PVC	Gravity	SS066	250	72.5	1992	65	31	34	\$ 44,900	\$ 8,700	\$ 47,400	\$ 101,000	\$ 1,554	\$ 2,971	\$ 198,028	\$ 4,123
1363	Funaro Cres	PVC	Gravity	SS066	250	81.7	1992	65	31	34	\$ 50,500	\$ 8,700	\$ 41,500	\$ 100,700	\$ 1,549	\$ 2,962	\$ 197,440	\$ 4,110
1364	Funaro Cres	PVC	Gravity	SS067	250	51.0	1992	65	31	34	\$ 31,600	\$ 8,700	\$ 11,900	\$ 52,200	\$ 803	\$ 1,535	\$ 102,347	\$ 2,131
1365	Roxanne Cres	PVC	Gravity	SS068	250	59.1	1979	65	44	21	\$ 36,600	\$ 8,700	\$ 17,800	\$ 63,100	\$ 971	\$ 3,005	\$ 95,639	\$ 3,709
1366	Roxanne Cres	PVC	Gravity	SS069	250	76.0	1979	65	44	21	\$ 47,000	\$ 8,700	\$ 17,800	\$ 73,500	\$ 1,131	\$ 3,500	\$ 111,401	\$ 4,321
1367	Roxanne Cres	PVC	Gravity	SS69	250	75.9	1979	65	44	21	\$ 47,000	\$ 8,700	\$ 35,500	\$ 91,200	\$ 1,403	\$ 4,343	\$ 138,229	\$ 5,361
1368	St Martin Cres	PVC	Force	SS70	250	17.8	1979	65	44	21	\$ 11,100	\$ 8,700	\$ 6,000	\$ 25,800	\$ 397	\$ 1,229	\$ 39,104	\$ 1,517
1369	Green Crt	PVC	Gravity	SS177	200	87.3	1996	65	27	38	\$ 57,500	\$ 11,900	\$ 62,200	\$ 131,600	\$ 2,025	\$ 3,463	\$ 279,295	\$ 4,977
1370	Shiff Dr	PVC	Gravity	SS178	250	90.4	1996	65	27	38	\$ 60,600	\$ 11,900	\$ 43,500	\$ 116,000	\$ 1,785	\$ 3,053	\$ 246,187	\$ 4,387
1371	Shiff Dr	PVC	Gravity	SS176	250	10.4	1996	65	27	38	\$ 7,800	\$ 19,700	\$ -	\$ 27,500	\$ 423	\$ 724	\$ 58,363	\$ 1,040
1372	Shiff Dr	PVC	Gravity	SS176	250	45.9	1996	65	27	38	\$ 30,800	\$ 11,900	\$ 18,700	\$ 61,400	\$ 945	\$ 1,616	\$ 130,309	\$ 2,322
1373	Shiff Dr	PVC	Gravity	SS179	250	67.9	1994	65	29	36	\$ 45,500	\$ 11,900	\$ 18,700	\$ 76,100	\$ 1,171	\$ 2,114	\$ 155,235	\$ 2,986
1374	Shiff Dr	PVC	Gravity	SS180	250	75.8	1994	65	29	36	\$ 56,700	\$ 19,700	\$ -	\$ 76,400	\$ 1,175	\$ 2,122	\$ 155,847	\$ 2,997

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
1375	11th Con Rd	PVC	Gravity	SS165	200	95.3	1991	65	32	33	\$ 57,800.00	\$ 8,700.00	\$ 29,600.00	\$ 96,100	\$ 1,478	\$ 2,912	\$ 184,726	\$ 4,006
1376	11th Con Rd	PVC	Gravity	SS165	200	30.8	1991	65	32	33	\$ 18,700	\$ 8,700	\$ -	\$ 27,400	\$ 422	\$ 830	\$ 52,669	\$ 1,142
1377	Odessa Dr	PVC	Gravity	SS118	300	100.2	1991	65	32	33	\$ 70,200	\$ 11,900	\$ -	\$ 82,100	\$ 1,263	\$ 2,488	\$ 157,815	\$ 3,422
1378	Sylvestre Dr	PVC	Gravity	SS98	200	163.1	2002	65	21	44	\$ 140,700	\$ 23,700	\$ 13,700	\$ 178,100	\$ 2,740	\$ 4,048	\$ 425,668	\$ 6,124
1379	Sylvestre Dr	PVC	Gravity	SS98	200	17.2	2002	65	21	44	\$ 14,900	\$ 23,700	\$ -	\$ 38,600	\$ 594	\$ 877	\$ 92,256	\$ 1,327
1380	Lesperance Rd	PVC	Gravity	SS48	250	5.1	1994	65	29	36	\$ 3,200	\$ 13,400	\$ 6,000	\$ 22,600	\$ 348	\$ 628	\$ 46,101	\$ 887
1381	Candlewood Dr	PVC	Gravity	SS88	250	72.7	1990	65	33	32	\$ 45,000	\$ 8,700	\$ 29,600	\$ 83,300	\$ 1,282	\$ 2,603	\$ 156,982	\$ 3,549
1382	Candlewood Dr	PVC	Gravity	SS85	250	111.5	1990	65	33	32	\$ 69,000	\$ 8,700	\$ 17,800	\$ 95,500	\$ 1,469	\$ 2,984	\$ 179,974	\$ 4,069
1383	Vickery Lane	PVC	Gravity	SS84	250	88.8	1990	65	33	32	\$ 54,900	\$ 8,700	\$ 29,600	\$ 93,200	\$ 1,434	\$ 2,913	\$ 175,639	\$ 3,971
1384	Vickery Lane	PVC	Gravity	SS84	250	72.4	1990	65	33	32	\$ 48,500	\$ 11,900	\$ 49,700	\$ 110,100	\$ 1,694	\$ 3,441	\$ 207,488	\$ 4,691
1385	St Agnes Dr	PVC	Gravity	SS81	250	46.0	1990	65	33	32	\$ 28,500	\$ 8,700	\$ 11,900	\$ 49,100	\$ 755	\$ 1,534	\$ 92,531	\$ 2,092
1386	St Agnes Dr	AC	Gravity	SS079	250	94.0	1979	65	44	21	\$ 58,100	\$ 8,700	\$ 65,100	\$ 131,900	\$ 2,029	\$ 6,281	\$ 199,916	\$ 7,754
1387	Brouillette Crt	PVC	Gravity	T278	200	73.9	1998	65	25	40	\$ 48,700	\$ 11,900	\$ 105,600	\$ 166,200	\$ 2,557	\$ 4,155	\$ 366,976	\$ 6,076
1388	Candlewood Dr	PVC	Gravity	SS087	200	57.2	2006	65	17	48	\$ 37,700	\$ 11,900	\$ 37,300	\$ 86,900	\$ 1,337	\$ 1,810	\$ 224,816	\$ 2,833
1389	Candlewood Dr	PVC	Gravity	SS087	200	90.2	2006	65	17	48	\$ 59,400	\$ 11,900	\$ 31,100	\$ 102,400	\$ 1,575	\$ 2,133	\$ 264,916	\$ 3,338
1390	Candlewood Dr	PVC	Gravity	SS083	200	88.3	2006	65	17	48	\$ 58,200	\$ 11,900	\$ 31,100	\$ 101,200	\$ 1,557	\$ 2,108	\$ 261,812	\$ 3,299
1391	Candlewood Dr	PVC	Gravity	SS082	200	51.2	2006	65	17	48	\$ 33,700	\$ 11,900	\$ 24,900	\$ 70,500	\$ 1,085	\$ 1,469	\$ 182,388	\$ 2,298
1392	St Agnes Dr	PVC	Gravity	SS081	250	39.8	2006	65	17	48	\$ 26,700	\$ 11,900	\$ 18,700	\$ 57,300	\$ 882	\$ 1,194	\$ 148,239	\$ 1,868
1393	Vickery Lane	PVC	Gravity	SS084	250	23.7	2006	65	17	48	\$ 14,700	\$ 8,700	\$ 11,900	\$ 35,300	\$ 543	\$ 735	\$ 91,324	\$ 1,151
1394	Candlewood Dr	PVC	Gravity	SS082	200	66.4	2006	65	17	48	\$ 40,300	\$ 8,700	\$ 53,300	\$ 102,300	\$ 1,574	\$ 2,131	\$ 264,657	\$ 3,335
1395	Deslippe Dr	PVC	Gravity	SS088	200	82.9	2006	65	17	48	\$ 54,600	\$ 11,900	\$ 6,300	\$ 72,800	\$ 1,120	\$ 1,517	\$ 188,339	\$ 2,373
1396	Deslippe Dr	PVC	Gravity	SS088	200	19.6	2006	65	17	48	\$ 12,900	\$ 11,900	\$ -	\$ 24,800	\$ 382	\$ 517	\$ 64,159	\$ 809
1397	Valente Crt	PVC	Gravity	T113	200	59.7	1977	65	46	19	\$ 36,200	\$ 8,700	\$ 6,000	\$ 50,900	\$ 783	\$ 2,679	\$ 74,152	\$ 3,246
1398	Valente Crt	AC	Gravity	T113	200	53.8	1977	65	46	19	\$ 32,700	\$ 8,700	\$ 11,900	\$ 53,300	\$ 820	\$ 2,805	\$ 77,648	\$ 3,400
1398	Valente Crt	AC	Gravity	T115	200	109.1	1977	65	46	19	\$ 66,200	\$ 8,700	\$ 35,500	\$ 110,400	\$ 1,698	\$ 5,811	\$ 160,832	\$ 7,042
1400	Valente Crt	AC	Gravity	T117	200	44.9	1977	65	46	19	\$ 29,600	\$ 11,900	\$ 12,500	\$ 54,000	\$ 831	\$ 2,842	\$ 78,668	\$ 3,444
1401	Valente Crt	AC	Gravity	T117	200	52.6	1977	65	46	19	\$ 38,600	\$ 25,200	\$ -	\$ 63,800	\$ 982	\$ 3,358	\$ 92,945	\$ 4,069
1402	Valente Crt	AC	Gravity	T114	200	77.0	1977	65	46	19	\$ 46,700	\$ 8,700	\$ 59,200	\$ 114,600	\$ 1,763	\$ 6,032	\$ 166,951	\$ 7,309
1403	Valente Crt	AC	Gravity	T116	200	76.3	1977	65	46	19	\$ 50,300	\$ 11,900	\$ 62,200	\$ 124,400	\$ 1,914	\$ 6,547	\$ 181,227	\$ 7,934
1404	McCord Ln	PVC	Gravity	SS290	250	114.6	1997	65	26	39	\$ 76,800	\$ 11,900	\$ 12,500	\$ 101,200	\$ 1,557	\$ 2,595	\$ 219,072	\$ 3,762
1406	Di Cocco Crt	PVC	Gravity	SS291	250	22.0	1997	65	26	39	\$ 14,800	\$ 11,900	\$ -	\$ 26,700	\$ 411	\$ 685	\$ 57,799	\$ 992
1408	McCord Ln	PVC	Gravity	SS290	200	122.9	1997	65	26	39	\$ 80,900	\$ 11,900	\$ 6,300	\$ 99,100	\$ 1,525	\$ 2,541	\$ 214,526	\$ 3,684
1412	Di Cocco Crt	PVC	Gravity	SS291	200	30.1	1997	65	26	39	\$ 19,800	\$ 11,900	\$ 6,300	\$ 38,000	\$ 585	\$ 974	\$ 82,260	\$ 1,413
1414	Di Cocco Crt	PVC	Gravity	SS291	200	89.9	1997	65	26	39	\$ 54,500	\$ 8,700	\$ 17,800	\$ 81,000	\$ 1,246	\$ 2,077	\$ 175,344	\$ 3,011
1415	Di Cocco Crt	PVC	Gravity	SS291	200	110.3	1997	65	26	39	\$ 66,900	\$ 8,700	\$ 29,600	\$ 105,200	\$ 1,618	\$ 2,697	\$ 227,731	\$ 3,910
1416	McCord Ln	PVC	Gravity	SS292	250	16.3	1997	65	26	39	\$ 11,000	\$ 11,900	\$ -	\$ 22,900	\$ 352	\$ 587	\$ 49,573	\$ 851
1417	McCord Ln	PVC	Gravity	SS292	250	76.9	1997	65	26	39	\$ 51,600	\$ 11,900	\$ -	\$ 63,500	\$ 977	\$ 1,628	\$ 137,461	\$ 2,360
1418	McCord Ln	PVC	Gravity	SS292	250	4.3	1997	65	26	39	\$ 2,900	\$ 11,900	\$ -	\$ 14,800	\$ 228	\$ 379	\$ 32,038	\$ 550
1419	Unknown	PVC	Gravity	SS298	250	86.9	1997	65	26	39	\$ 58,300	\$ 11,900	\$ -	\$ 70,200	\$ 1,080	\$ 1,800	\$ 151,965	\$ 2,609
1420	Unknown	PVC	Gravity	SS298	250	33.8	1997	65	26	39	\$ 22,700	\$ 11,900	\$ -	\$ 34,600	\$ 532	\$ 887	\$ 74,900	\$ 1,286
1421	Piccadilly Ave	PVC	Gravity	SS302	250	61.7	1997	65	26	39	\$ 38,200	\$ 8,700	\$ 17,800	\$ 64,700	\$ 995	\$ 1,659	\$ 140,059	\$ 2,405
1422	Piccadilly Ave	PVC	Gravity	SS302	250	104.4	1997	65	26	39	\$ 64,600	\$ 8,700	\$ 29,600	\$ 102,900	\$ 1,583	\$ 2,638	\$ 222,752	\$ 3,825
1423	Piccadilly Ave	PVC	Gravity	SS301	200	43.4	1997	65	26	39	\$ 26,300	\$ 8,700	\$ 11,900	\$ 46,900	\$ 722	\$ 1,203	\$ 101,527	\$ 1,743
1424	Piccadilly Ave	PVC	Gravity	SS301	150	7.6	1997	65	26	39	\$ 5,100	\$ 11,900	\$ -	\$ 17,000	\$ 262	\$ 436	\$ 36,801	\$ 632
1425	Piccadilly Ave	PVC	Gravity	SS301	150	16.3	1997	65	26	39	\$ 10,800	\$ 11,900	\$ -	\$ 22,700	\$ 349	\$ 582	\$ 49,140	\$ 844
1426	Trafalgar Crt	PVC	Gravity	SS303	250	78.2	1997	65	26	39	\$ 48,400	\$ 8,700	\$ -	\$ 57,100	\$ 878	\$ 1,464	\$ 123,607	\$ 2,122
1427	Trafalgar Crt	PVC	Gravity	SS303	250	33.2	1997	65	26	39	\$ 22,300	\$ 11,900	\$ 12,500	\$ 46,700	\$ 718	\$ 1,197	\$ 101,094	\$ 1,736
1428	Trafalgar Crt	PVC	Gravity	SS303	250	76.4	1997	65	26	39	\$ 47,300	\$ 8,700	\$ 29,600	\$ 85,600	\$ 1,317	\$ 2,195	\$ 185,302	\$ 3,182
1429	Trafalgar Crt	PVC	Gravity	SS303	200	77.7	1997	65	26	39	\$ 47,100	\$ 8,700	\$ 41,500	\$ 97,300	\$ 1,497	\$ 2,495	\$ 210,630	\$ 3,617
1431	Manning Rd	PVC	Gravity	T_SC003	250	43.4	2002	65	21	44	\$ 26,800	\$ 8,700	\$ 11,900	\$ 47,400	\$ 729	\$ 1,077	\$ 113,289	\$ 1,630

**Appendix H-2
Wastewater Sewer Inventory**

GIS Database											2021 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				
1432	Manning Rd	PVC	Gravity	T_SC003	250	74.6	2002	65	21	44	\$ 46,200	\$ 8,700	\$ 11,900	\$ 66,800	\$ 1,028	\$ 1,518	\$ 159,656	\$ 2,297
1433	Southfield Dr	PVC	Gravity	T272	200	30.1	1996	65	27	38	\$ 19,800	\$ 11,900	\$ 24,900	\$ 56,600	\$ 871	\$ 1,489	\$ 120,122	\$ 2,141
1434	Southfield Dr	PVC	Gravity	T272	200	41.7	1996	65	27	38	\$ 27,500	\$ 11,900	\$ 31,100	\$ 70,500	\$ 1,085	\$ 1,855	\$ 149,622	\$ 2,666
1435	Brouillette Crt	PVC	Gravity	T278	200	22.2	1994	65	29	36	\$ 14,700	\$ 11,900	\$ -	\$ 26,600	\$ 409	\$ 739	\$ 54,261	\$ 1,044
1436	Southfield Dr	PVC	Gravity	T273	200	64.5	1994	65	29	36	\$ 39,100	\$ 8,700	\$ 53,300	\$ 101,100	\$ 1,555	\$ 2,808	\$ 206,233	\$ 3,966
1437	Southfield Dr	PVC	Gravity	T273	200	18.0	1994	65	29	36	\$ 11,000	\$ 8,700	\$ 17,800	\$ 37,500	\$ 577	\$ 1,042	\$ 76,496	\$ 1,471
1438	Southfield Dr	PVC	Gravity	T273	200	52.0	1994	65	29	36	\$ 31,600	\$ 8,700	\$ 17,800	\$ 58,100	\$ 894	\$ 1,614	\$ 118,517	\$ 2,279
1439	Southfield Dr	PVC	Gravity	T275	200	25.1	1994	65	29	36	\$ 15,300	\$ 8,700	\$ 11,900	\$ 35,900	\$ 552	\$ 997	\$ 73,232	\$ 1,408
1440	Southfield Dr	PVC	Gravity	T277	200	97.9	1994	65	29	36	\$ 71,900	\$ 19,700	\$ -	\$ 91,600	\$ 1,409	\$ 2,544	\$ 186,854	\$ 3,594
1443	Lacasse Blvd	CONC	Gravity	T252	200	16.0	2008	65	15	50	\$ 9,700	\$ 8,700	\$ 6,000	\$ 24,400	\$ 375	\$ 488	\$ 65,675	\$ 776
1444	Lanoue St	PVC	Gravity	T332	300	53.7	2006	65	17	48	\$ 34,700	\$ 8,700	\$ -	\$ 43,400	\$ 668	\$ 904	\$ 112,279	\$ 1,415
1445	Lanoue St	PVC	Gravity	T332	300	91.2	2006	65	17	48	\$ 58,900	\$ 8,700	\$ -	\$ 67,600	\$ 1,040	\$ 1,408	\$ 174,886	\$ 2,204
1446	Lanoue St	PVC	Gravity	T332	300	91.3	2006	65	17	48	\$ 58,900	\$ 8,700	\$ -	\$ 67,600	\$ 1,040	\$ 1,408	\$ 174,886	\$ 2,204
1447	West Lake Dr	PVC	Trunk	SS388	450	4.8	2003	65	20	45	\$ 4,100	\$ 19,700	\$ -	\$ 23,800	\$ 366	\$ 529	\$ 58,021	\$ 807
1448	West Lake Dr	PVC	Trunk	SS388	450	90.6	2003	65	20	45	\$ 63,100	\$ 8,700	\$ 18,800	\$ 90,100	\$ 1,386	\$ 2,002	\$ 219,651	\$ 3,055
1449	West Lake Dr	PVC	Trunk	SS388	450	76.5	2003	65	20	45	\$ 53,300	\$ 8,700	\$ 6,100	\$ 68,100	\$ 1,048	\$ 1,513	\$ 166,018	\$ 2,309
1450	Oldcastle Rd	PVC	Gravity	SS300	200	96.1	2005	65	18	47	\$ 58,300	\$ 8,700	\$ 23,700	\$ 90,700	\$ 1,395	\$ 1,930	\$ 230,046	\$ 2,995
1451	Oldcastle Rd	PVC	Gravity	SS304	200	38.0	2005	65	18	47	\$ 23,100	\$ 8,700	\$ -	\$ 31,800	\$ 489	\$ 677	\$ 80,656	\$ 1,050
1452	Piccadilly Ave	PVC	Gravity	SS301	200	59.9	2005	65	18	47	\$ 39,400	\$ 11,900	\$ -	\$ 51,300	\$ 789	\$ 1,091	\$ 130,114	\$ 1,694
1453	Oldcastle Rd	PVC	Gravity	SS300	200	6.0	2005	65	18	47	\$ 3,700	\$ 8,700	\$ -	\$ 12,400	\$ 191	\$ 264	\$ 31,451	\$ 409
1454	County Rd 22	CONC	Gravity	T_SS002	1200	10.5	2008	65	15	50	\$ 32,200	\$ 37,800	\$ -	\$ 70,000	\$ 1,077	\$ 1,400	\$ 188,411	\$ 2,228
1455	County Rd 22	CONC	Gravity	T_SS002	1200	248.2	2008	65	15	50	\$ 760,300	\$ 37,800	\$ -	\$ 798,100	\$ 12,278	\$ 15,962	\$ 2,148,156	\$ 25,398
1456	County Rd 22	CONC	Gravity	T_SS002	1200	252.8	2008	65	15	50	\$ 774,400	\$ 37,800	\$ -	\$ 812,200	\$ 12,495	\$ 16,244	\$ 2,186,108	\$ 25,847
1457	County Rd 22	CONC	Gravity	T_SS002	1200	80.8	2008	65	15	50	\$ 247,600	\$ 37,800	\$ -	\$ 285,400	\$ 4,391	\$ 5,708	\$ 768,179	\$ 9,082
1458	County Rd 22	CONC	Gravity	T_SS002	1200	16.2	2008	65	15	50	\$ 49,500	\$ 37,800	\$ -	\$ 87,300	\$ 1,343	\$ 1,746	\$ 234,976	\$ 2,778
1459	County Rd 22	CONC	Gravity	T_SS002	600	74.9	2008	65	15	50	\$ 94,300	\$ 37,800	\$ -	\$ 132,100	\$ 2,032	\$ 2,642	\$ 355,559	\$ 4,204
1460	County Rd 22	CONC	Gravity	T_SS002	600	115.0	2008	65	15	50	\$ 144,800	\$ 45,700	\$ -	\$ 190,500	\$ 2,931	\$ 3,810	\$ 512,748	\$ 6,062
1461	County Rd 22	CONC	Gravity	T_SS002	600	73.8	2008	65	15	50	\$ 93,000	\$ 27,600	\$ -	\$ 120,600	\$ 1,855	\$ 2,412	\$ 324,606	\$ 3,838
1462	County Rd 22	CONC	Gravity	T_SS002	600	39.2	2008	65	15	50	\$ 49,300	\$ 27,600	\$ -	\$ 76,900	\$ 1,183	\$ 1,538	\$ 206,983	\$ 2,447
1463	County Rd 22	CONC	Gravity	T_SS002	600	144.8	2008	65	15	50	\$ 182,400	\$ 27,600	\$ -	\$ 210,000	\$ 3,231	\$ 4,200	\$ 565,233	\$ 6,683
1464	County Rd 22	CONC	Gravity	T_SS002	600	145.0	2008	65	15	50	\$ 127,800	\$ 19,700	\$ -	\$ 147,500	\$ 2,269	\$ 2,950	\$ 397,009	\$ 4,694
1465	County Rd 22	CONC	Gravity	T_SS002	600	137.7	2008	65	15	50	\$ 147,300	\$ 19,700	\$ -	\$ 167,000	\$ 2,569	\$ 3,340	\$ 449,495	\$ 5,314
1466	County Rd 42	PVC	Gravity	SS117	200	119.6	2008	65	15	50	\$ 78,800	\$ 11,900	\$ -	\$ 90,700	\$ 1,395	\$ 1,814	\$ 244,127	\$ 2,886
1467	Shields Rd	PVC	Gravity	SS422	200	115.4	2008	65	15	50	\$ 70,000	\$ 19,700	\$ -	\$ 89,700	\$ 1,380	\$ 1,794	\$ 241,435	\$ 2,855
1468	Shields Rd	PVC	Gravity	SS422	200	71.7	2008	65	15	50	\$ 43,500	\$ 19,700	\$ -	\$ 63,200	\$ 972	\$ 1,264	\$ 170,108	\$ 2,011
1469	Shields Rd	PVC	Gravity	SS422	200	119.5	2008	65	15	50	\$ 72,500	\$ 19,700	\$ -	\$ 92,200	\$ 1,418	\$ 1,844	\$ 248,164	\$ 2,934
1470	Shields Rd	PVC	Gravity	SS422	200	72.0	2008	65	15	50	\$ 43,700	\$ 19,700	\$ -	\$ 63,400	\$ 975	\$ 1,268	\$ 170,647	\$ 2,018
1471	Shields Rd	PVC	Gravity	SS422	200	21.0	2008	65	15	50	\$ 12,800	\$ 19,700	\$ -	\$ 32,500	\$ 500	\$ 650	\$ 87,477	\$ 1,034
1472	St Alphonse St	CONC	Gravity	SS123	200	1.6	1975	65	48	17	\$ 1,500	\$ 23,700	\$ -	\$ 25,200	\$ 388	\$ 1,482	\$ 35,286	\$ 1,763
1473	County Rd 22	PVC	Gravity	T_SS003	150	384.3	1994	65	29	36	\$ 233,000	\$ 8,700	\$ -	\$ 241,700	\$ 3,718	\$ 6,714	\$ 493,041	\$ 9,483
1474	Sylvestre Dr	PVC	Gravity	SS380	150	6.4	1994	65	29	36	\$ 3,900	\$ 8,700	\$ -	\$ 12,600	\$ 194	\$ 350	\$ 25,703	\$ 494
1475	County Rd 22	PVC	Gravity	T_SS003	150	17.3	1994	65	29	36	\$ 10,500	\$ 8,700	\$ -	\$ 19,200	\$ 295	\$ 533	\$ 39,166	\$ 753
1476	Lesperance Rd	PVC	Gravity	SS048	150	48.3	1994	65	29	36	\$ 29,300	\$ 8,700	\$ 17,800	\$ 55,800	\$ 858	\$ 1,550	\$ 113,826	\$ 2,189
1477	St Alphonse St	CONC	Gravity	SS123	200	1.7	1975	65	48	17	\$ 1,100	\$ 8,700	\$ -	\$ 9,800	\$ 151	\$ 576	\$ 13,722	\$ 686
1479	Sylvestre Dr	PVC	Gravity	SS098	150	151.3	1994	65	29	36	\$ 130,500	\$ 23,700	\$ 13,700	\$ 167,900	\$ 2,583	\$ 4,664	\$ 342,497	\$ 6,587
1480	St Alphonse St	CONC	Gravity	SS123	200	1.8	1975	65	48	17	\$ 1,600	\$ 23,700	\$ -	\$ 25,300	\$ 389	\$ 1,488	\$ 35,426	\$ 1,770
1481	St Alphonse St	CONC	Gravity	SS123	200	0.4	1975	65	48	17	\$ 300	\$ 8,700	\$ -	\$ 9,000	\$ 138	\$ 529	\$ 12,602	\$ 630
1482	St Alphonse St	CONC	Gravity	SS123	200	2.3	1975	65	48	17	\$ 2,100	\$ 23,700	\$ -	\$ 25,800	\$ 397	\$ 1,518	\$ 36,126	\$ 1,805
1483	St Alphonse St	CONC	Gravity	SS133	250	13.1	1975	65	48	17	\$ 8,200	\$ 8,700	\$ -	\$ 16,900	\$ 260	\$ 994	\$ 23,664	\$ 1,182
1484	Sylvestre Dr	PVC	Gravity	SS098	150	2.8	1994	65	29	36	\$ 2,500	\$ 23,700	\$ -	\$ 26,200	\$ 403	\$ 728	\$ 53,445	\$ 1,028

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
1485	Sylvestre Dr	PVC	Gravity	SS380	150	178.5	1994	65	29	36	\$ 108,300	\$ 8,700	\$ -	\$ 117,000	\$ 1,800	\$ 3,250	\$ 238,667	\$ 4,590
1486	North Pacific Ave	PVC	Gravity	SS055	200	95.1	2012	65	11	54	\$ 57,700	\$ 8,700	\$ 41,500	\$ 107,900	\$ 1,660	\$ 1,998	\$ 314,362	\$ 3,286
1487	Renaud St	PVC	Gravity	T289	200	12.8	2006	65	17	48	\$ 7,800	\$ 8,700	\$ -	\$ 16,500	\$ 254	\$ 344	\$ 42,687	\$ 538
1488	N Talbot Rd	CONC	Gravity	SS242	600	149.5	2010	65	13	52	\$ 131,800	\$ 13,400	\$ 18,400	\$ 163,600	\$ 2,517	\$ 3,146	\$ 458,134	\$ 5,089
1489	N Talbot Rd	CONC	Gravity	SS242	600	137.9	2010	65	13	52	\$ 121,600	\$ 13,400	\$ 24,500	\$ 159,500	\$ 2,454	\$ 3,067	\$ 446,652	\$ 4,962
1490	N Talbot Rd	CONC	Gravity	SS246	600	144.9	2010	65	13	52	\$ 127,700	\$ 13,400	\$ 24,500	\$ 165,600	\$ 2,548	\$ 3,185	\$ 463,734	\$ 5,152
1491	N Talbot Rd	CONC	Gravity	SS246	600	151.1	2010	65	13	52	\$ 133,200	\$ 13,400	\$ 18,400	\$ 165,000	\$ 2,538	\$ 3,173	\$ 462,054	\$ 5,133
1492	N Talbot Rd	CONC	Gravity	SS250	600	120.6	2010	65	13	52	\$ 106,300	\$ 13,400	\$ 18,400	\$ 138,100	\$ 2,125	\$ 2,656	\$ 386,725	\$ 4,296
1493	N Talbot Rd	CONC	Gravity	SS250	600	135.0	2010	65	13	52	\$ 119,000	\$ 13,400	\$ 24,500	\$ 156,900	\$ 2,414	\$ 3,017	\$ 439,371	\$ 4,881
1494	N Talbot Rd	CONC	Gravity	SS254	600	118.1	2010	65	13	52	\$ 104,100	\$ 13,400	\$ 6,200	\$ 123,700	\$ 1,903	\$ 2,379	\$ 346,401	\$ 3,848
1495	N Talbot Rd	CONC	Gravity	SS254	600	120.4	2010	65	13	52	\$ 106,100	\$ 13,400	\$ 18,400	\$ 137,900	\$ 2,122	\$ 2,652	\$ 386,165	\$ 4,290
1496	N Talbot Rd	CONC	Gravity	SS239	600	137.7	2010	65	13	52	\$ 121,400	\$ 13,400	\$ 18,400	\$ 153,200	\$ 2,357	\$ 2,946	\$ 429,010	\$ 4,766
1497	N Talbot Rd	CONC	Gravity	SS239	600	98.2	2010	65	13	52	\$ 86,500	\$ 13,400	\$ 12,300	\$ 112,200	\$ 1,726	\$ 2,158	\$ 314,197	\$ 3,490
1498	N Talbot Rd	CONC	Gravity	SS237	600	63.3	2010	65	13	52	\$ 55,800	\$ 13,400	\$ 6,200	\$ 75,400	\$ 1,160	\$ 1,450	\$ 211,145	\$ 2,346
1499	Walker Rd	CONC	Gravity	SS377	375	40.2	2010	65	13	52	\$ 27,200	\$ 13,400	\$ 6,000	\$ 46,600	\$ 717	\$ 896	\$ 130,495	\$ 1,450
1500	Walker Rd	CONC	Gravity	SS238	250	15.9	2010	65	13	52	\$ 9,900	\$ 13,400	\$ 6,000	\$ 29,300	\$ 451	\$ 563	\$ 82,050	\$ 911
1501	Manning Rd	PVC	Gravity	T_SC3	100	182.6	2002	65	21	44	\$ 110,700	\$ 8,700	\$ -	\$ 119,400	\$ 1,837	\$ 2,714	\$ 285,372	\$ 4,106
1502	Manning Rd	PVC	Gravity	T_SC3	200	60.1	2002	65	21	44	\$ 36,500	\$ 8,700	\$ -	\$ 45,200	\$ 695	\$ 1,027	\$ 108,030	\$ 1,554
1504	North Pacific Ave	PVC	Gravity	SS055	200	44.2	2007	65	16	49	\$ 29,100	\$ 11,900	\$ 12,500	\$ 53,500	\$ 823	\$ 1,092	\$ 141,176	\$ 1,723
1505	Renaud St	PVC	Gravity	T289	200	59.7	2006	65	17	48	\$ 36,200	\$ 8,700	\$ 11,900	\$ 56,800	\$ 874	\$ 1,183	\$ 146,946	\$ 1,852
1506	Lesperance Rd	CONC	Gravity	SS48	600	121.3	2011	65	12	53	\$ 129,800	\$ 19,700	\$ 6,800	\$ 156,300	\$ 2,405	\$ 2,949	\$ 446,445	\$ 4,810
1507	Halford Rd	PVC	Gravity	SS235	250	119.1	2011	65	12	53	\$ 73,600	\$ 8,700	\$ 47,400	\$ 129,700	\$ 1,995	\$ 2,447	\$ 370,467	\$ 3,991
1508	Halford Rd	PVC	Gravity	SS235	250	120.0	2011	65	12	53	\$ 74,200	\$ 8,700	\$ 11,900	\$ 94,800	\$ 1,458	\$ 1,789	\$ 270,781	\$ 2,917
1509	Halford Rd	PVC	Gravity	SS235	250	99.6	2011	65	12	53	\$ 61,600	\$ 8,700	\$ 23,700	\$ 94,000	\$ 1,446	\$ 1,774	\$ 268,495	\$ 2,893
1510	Halford Rd	PVC	Gravity	SS235	250	96.6	2011	65	12	53	\$ 59,700	\$ 8,700	\$ 29,600	\$ 98,000	\$ 1,508	\$ 1,849	\$ 279,921	\$ 3,016
1511	Halford Rd	PVC	Gravity	SS235	250	103.2	2011	65	12	53	\$ 63,800	\$ 8,700	\$ 17,800	\$ 90,300	\$ 1,389	\$ 1,704	\$ 257,927	\$ 2,779
1512	Lesperance Rd	CONC	Gravity	SS048	600	18.1	1975	65	48	17	\$ 19,400	\$ 19,700	\$ -	\$ 39,100	\$ 602	\$ 2,300	\$ 54,749	\$ 2,736
1513	Lesperance Rd	CONC	Gravity	SS048	600	7.2	2011	65	12	53	\$ 7,800	\$ 19,700	\$ -	\$ 27,500	\$ 423	\$ 519	\$ 78,549	\$ 846
1514	N Talbot Rd	CONC	Gravity	SS237	600	99.2	2010	65	13	52	\$ 87,500	\$ 13,400	\$ 12,300	\$ 113,200	\$ 1,742	\$ 2,177	\$ 316,997	\$ 3,522
1515	N Talbot Rd	CONC	Gravity	SS236	600	78.6	2010	65	13	52	\$ 69,300	\$ 13,400	\$ 6,200	\$ 88,900	\$ 1,368	\$ 1,710	\$ 248,949	\$ 2,766
1516	N Talbot Rd	CONC	Gravity	SS234	600	136.9	2010	65	13	52	\$ 172,400	\$ 23,700	\$ 35,100	\$ 231,200	\$ 3,557	\$ 4,446	\$ 647,436	\$ 7,192
1517	N Talbot Rd	CONC	Gravity	SS234	600	122.4	2010	65	13	52	\$ 154,100	\$ 23,700	\$ 21,100	\$ 198,900	\$ 3,060	\$ 3,825	\$ 556,985	\$ 6,188
1518	N Talbot Rd	CONC	Gravity	SS233	600	115.6	2010	65	13	52	\$ 145,600	\$ 23,700	\$ 28,100	\$ 197,400	\$ 3,037	\$ 3,796	\$ 552,785	\$ 6,141
1519	N Talbot Rd	CONC	Gravity	SS233	600	46.3	2010	65	13	52	\$ 58,300	\$ 23,700	\$ 21,100	\$ 103,100	\$ 1,586	\$ 1,983	\$ 288,714	\$ 3,207
1520	N Talbot Rd	CONC	Gravity	SS231	600	40.5	2010	65	13	52	\$ 51,000	\$ 23,700	\$ 7,100	\$ 81,800	\$ 1,258	\$ 1,573	\$ 229,067	\$ 2,545
1521	N Talbot Rd	CONC	Gravity	SS231	600	16.1	2010	65	13	52	\$ 20,400	\$ 25,200	\$ -	\$ 45,600	\$ 702	\$ 877	\$ 127,695	\$ 1,419
1522	Pulleyblank Dr	CONC	Gravity	SS281	250	21.1	2010	65	13	52	\$ 18,600	\$ 25,200	\$ -	\$ 43,800	\$ 674	\$ 842	\$ 122,654	\$ 1,363
1523	N Talbot Rd	CONC	Gravity	SS231	600	79.5	2010	65	13	52	\$ 100,100	\$ 25,200	\$ 7,100	\$ 132,400	\$ 2,037	\$ 2,546	\$ 370,763	\$ 4,119
1524	N Talbot Rd	CONC	Gravity	SS231	250	11.8	2010	65	13	52	\$ 10,400	\$ 25,200	\$ -	\$ 35,600	\$ 548	\$ 685	\$ 99,692	\$ 1,107
1525	N Talbot Rd	CONC	Gravity	SS231	600	12.4	2010	65	13	52	\$ 15,700	\$ 27,600	\$ -	\$ 43,300	\$ 666	\$ 833	\$ 121,254	\$ 1,347
1526	N Talbot Rd	CONC	Gravity	SS231	600	115.5	2010	65	13	52	\$ 145,500	\$ 27,600	\$ -	\$ 173,100	\$ 2,663	\$ 3,329	\$ 484,737	\$ 5,385
1527	N Talbot Rd	CONC	Gravity	SS231	600	120.0	2010	65	13	52	\$ 151,100	\$ 27,600	\$ 7,100	\$ 185,800	\$ 2,858	\$ 3,573	\$ 520,301	\$ 5,780
1528	Brendan Ln	PVC	Gravity	SS293	250	17.5	2010	65	13	52	\$ 10,900	\$ 13,400	\$ -	\$ 24,300	\$ 374	\$ 467	\$ 68,048	\$ 756
1529	N Talbot Rd	CONC	Gravity	SS234	250	27.6	2010	65	13	52	\$ 17,100	\$ 8,700	\$ -	\$ 25,800	\$ 397	\$ 496	\$ 72,248	\$ 803
1530	8th Con Rd	CONC	Gravity	SS204	900	81.4	2012	65	11	54	\$ 164,000	\$ 27,600	\$ 7,100	\$ 198,700	\$ 3,057	\$ 3,680	\$ 578,905	\$ 6,051
1531	8th Con Rd	CONC	Gravity	SS204	900	129.5	2012	65	11	54	\$ 260,900	\$ 27,600	\$ -	\$ 288,500	\$ 4,438	\$ 5,343	\$ 840,534	\$ 8,785
1532	8th Con Rd	PVC	Gravity	SS204	200	22.0	2012	65	11	54	\$ 13,400	\$ 26,800	\$ -	\$ 40,200	\$ 618	\$ 744	\$ 117,121	\$ 1,224
1533	8th Con Rd	CONC	Gravity	SS204	900	148.4	2012	65	11	54	\$ 206,600	\$ 26,800	\$ -	\$ 233,400	\$ 3,591	\$ 4,322	\$ 680,002	\$ 7,108
1534	8th Con Rd	CONC	Gravity	SS204	900	154.7	2012	65	11	54	\$ 215,300	\$ 26,800	\$ -	\$ 242,100	\$ 3,725	\$ 4,483	\$ 705,349	\$ 7,372
1535	8th Con Rd	CONC	Gravity	SS204	900	16.9	2012	65	11	54	\$ 23,600	\$ 26,800	\$ -	\$ 50,400	\$ 775	\$ 933	\$ 146,838	\$ 1,535

**Appendix H-2
Wastewater Sewer Inventory**

GIS Database											2021 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				
1536	8th Con Rd	PVC	Gravity	SS204	200	7.4	2012	65	11	54	\$ 4,600	\$ 8,700	\$ -	\$ 13,300	\$ 205	\$ 246	\$ 38,749	\$ 405
1537	8th Con Rd	CONC	Gravity	SS204	900	56.5	2012	65	11	54	\$ 78,600	\$ 26,800	\$ -	\$ 105,400	\$ 1,622	\$ 1,952	\$ 307,079	\$ 3,210
1538	8th Con Rd	CONC	Gravity	SS204	1200	104.6	2012	65	11	54	\$ 219,600	\$ 26,800	\$ -	\$ 246,400	\$ 3,791	\$ 4,563	\$ 717,877	\$ 7,503
1542	Oakpark Dr	PVC	Gravity	T136	200	75.5	1988	65	35	30	\$ 45,800	\$ 8,700	\$ 53,300	\$ 107,800	\$ 1,658	\$ 3,593	\$ 195,265	\$ 4,813
1543	Oakpark Dr	PVC	Gravity	T136	200	78.7	1988	65	35	30	\$ 51,900	\$ 11,900	\$ 31,100	\$ 94,900	\$ 1,460	\$ 3,163	\$ 171,898	\$ 4,237
1544	11th Con Rd	PVC	Gravity	SS165	200	87.5	2014	65	9	56	\$ 53,000	\$ 8,700	\$ 6,000	\$ 67,700	\$ 1,042	\$ 1,209	\$ 205,210	\$ 2,021
1545	Argent St	AC	Gravity	T206	375	28.6	1989	65	34	31	\$ 19,300	\$ 8,700	\$ 18,000	\$ 46,000	\$ 708	\$ 1,484	\$ 84,989	\$ 2,005
1546	Kavanagh Dr	PVC	Gravity	SS014	200	18.6	1994	65	29	36	\$ 12,300	\$ 11,900	\$ 18,700	\$ 42,900	\$ 660	\$ 1,192	\$ 87,511	\$ 1,683
1548	Arbour St	PVC	Gravity	T291	200	7.3	2014	65	9	56	\$ 4,500	\$ 8,700	\$ -	\$ 13,200	\$ 203	\$ 236	\$ 40,011	\$ 394
1549	Arbour St	PVC	Gravity	T291	200	17.7	2014	65	9	56	\$ 10,800	\$ 8,700	\$ -	\$ 19,500	\$ 300	\$ 348	\$ 59,108	\$ 582
1550	Elderberry Crt	PVC	Gravity	SS432	200	95.5	2014	65	9	56	\$ 62,900	\$ 11,900	\$ 18,700	\$ 93,500	\$ 1,438	\$ 1,670	\$ 283,414	\$ 2,791
1551	Elderberry Crt	PVC	Gravity	SS433	200	47.6	2014	65	9	56	\$ 28,900	\$ 8,700	\$ 35,500	\$ 73,100	\$ 1,125	\$ 1,305	\$ 221,578	\$ 2,182
1552	Elderberry Crt	PVC	Gravity	SS432	200	119.7	2014	65	9	56	\$ 72,600	\$ 8,700	\$ 71,000	\$ 152,300	\$ 2,343	\$ 2,720	\$ 461,646	\$ 4,546
1553	Brendan Ln	PVC	Gravity	SS293	250	86.9	2014	65	9	56	\$ 53,700	\$ 13,400	\$ 6,000	\$ 73,100	\$ 1,125	\$ 1,305	\$ 221,578	\$ 2,182
1554	Brendan Ln	PVC	Gravity	SS293	250	97.6	2014	65	9	56	\$ 60,400	\$ 8,700	\$ 23,700	\$ 92,800	\$ 1,428	\$ 1,657	\$ 281,292	\$ 2,770
1555	Brendan Ln	PVC	Gravity	SS295	250	54.1	2014	65	9	56	\$ 33,500	\$ 8,700	\$ 11,900	\$ 54,100	\$ 832	\$ 966	\$ 163,986	\$ 1,615
1556	Brendan Ln	PVC	Gravity	SS295	250	103.3	2014	65	9	56	\$ 63,900	\$ 8,700	\$ 47,400	\$ 120,000	\$ 1,846	\$ 2,143	\$ 363,740	\$ 3,582
1557	Brendan Ln	PVC	Gravity	SS295	250	63.9	2014	65	9	56	\$ 39,500	\$ 8,700	\$ 29,600	\$ 77,800	\$ 1,197	\$ 1,389	\$ 235,825	\$ 2,322
1558	Brendan Ln	PVC	Gravity	SS295	250	93.8	2014	65	9	56	\$ 58,000	\$ 8,700	\$ 11,900	\$ 78,600	\$ 1,209	\$ 1,404	\$ 238,250	\$ 2,346
1559	Binder Cres	PVC	Gravity	SS294	250	84.4	2014	65	9	56	\$ 52,200	\$ 8,700	\$ 29,600	\$ 90,500	\$ 1,392	\$ 1,616	\$ 274,320	\$ 2,701
1560	Brendan Ln	PVC	Gravity	SS295	250	75.1	2014	65	9	56	\$ 46,400	\$ 8,700	\$ 23,700	\$ 78,800	\$ 1,212	\$ 1,407	\$ 238,856	\$ 2,352
1561	Brendan Ln	PVC	Gravity	SS295	250	62.1	2014	65	9	56	\$ 38,400	\$ 8,700	\$ 17,800	\$ 64,900	\$ 998	\$ 1,159	\$ 196,723	\$ 1,937
1562	Di Cocco Crt	PVC	Gravity	SS291	250	100.2	2014	65	9	56	\$ 62,000	\$ 8,700	\$ 23,700	\$ 94,400	\$ 1,452	\$ 1,686	\$ 286,142	\$ 2,818
1563	Di Cocco Crt	PVC	Gravity	SS291	250	81.1	2014	65	9	56	\$ 54,400	\$ 11,900	\$ 18,700	\$ 85,000	\$ 1,308	\$ 1,518	\$ 257,649	\$ 2,537
1564	Di Cocco Crt	PVC	Gravity	SS291	250	10.7	2014	65	9	56	\$ 7,200	\$ 11,900	\$ -	\$ 19,100	\$ 294	\$ 341	\$ 57,895	\$ 570
1808	Brendan Ln	PVC	Gravity	SS295	250	52.3	2014	65	9	56	\$ 32,400	\$ 8,700	\$ 23,700	\$ 64,800	\$ 997	\$ 1,157	\$ 196,420	\$ 1,934
1809	Di Cocco Crt	PVC	Gravity	SS291	250	25.6	2014	65	9	56	\$ 15,900	\$ 8,700	\$ 6,000	\$ 30,600	\$ 471	\$ 546	\$ 92,754	\$ 913
1810	Di Cocco Crt	PVC	Gravity	SS291	250	24.0	2014	65	9	56	\$ 14,900	\$ 8,700	\$ 6,000	\$ 29,600	\$ 455	\$ 529	\$ 89,722	\$ 883
1816	Simard Cres	AC	Gravity	T088	200	19.7	1979	65	44	21	\$ 13,000	\$ 11,900	\$ 24,900	\$ 49,800	\$ 766	\$ 2,371	\$ 75,480	\$ 2,927
1825	James Cres	PVC	Gravity	T085	200	76.8	1996	65	27	38	\$ 46,600	\$ 8,700	\$ 17,800	\$ 73,100	\$ 1,125	\$ 1,924	\$ 155,140	\$ 2,765
1884	Arbour St	PVC	Gravity	T291	250	30.4	1992	65	31	34	\$ 18,900	\$ 8,700	\$ -	\$ 27,600	\$ 425	\$ 812	\$ 54,115	\$ 1,127
1885	William St	AC	Gravity	T216	300	34.0	1974	65	49	16	\$ 22,000	\$ 8,700	\$ 23,800	\$ 54,500	\$ 838	\$ 3,406	\$ 74,817	\$ 4,014
1886	Kensington Blvd	AC	Gravity	SC054	250	30.7	1974	65	49	16	\$ 20,600	\$ 11,900	\$ 6,300	\$ 38,800	\$ 597	\$ 2,425	\$ 53,264	\$ 2,858
1887	Hebert St	PVC	Gravity	SS25	300	47.7	1986	65	37	28	\$ 33,400	\$ 11,900	\$ 25,000	\$ 70,300	\$ 1,082	\$ 2,511	\$ 122,394	\$ 3,303
1888	Chornoby Cres	PVC	Gravity	SS41	250	60.8	1996	65	27	38	\$ 40,800	\$ 11,900	\$ 24,900	\$ 77,600	\$ 1,194	\$ 2,042	\$ 164,690	\$ 2,935
1889	Pulleyblank Dr	CONC	Gravity	SS281	250	88.5	2011	65	12	53	\$ 77,800	\$ 23,700	\$ 13,700	\$ 115,200	\$ 1,772	\$ 2,174	\$ 329,050	\$ 3,545
1890	County Rd 42	CONC	Gravity	SS153	150	9.9	1976	65	47	18	\$ 6,600	\$ 11,900	\$ 6,300	\$ 24,800	\$ 382	\$ 1,378	\$ 35,421	\$ 1,654
1893	Hayes Ave	CONC	Gravity	SC138	600	16.1	2014	65	9	56	\$ 20,300	\$ 23,700	\$ -	\$ 44,000	\$ 677	\$ 786	\$ 133,371	\$ 1,313
1894	Hayes Ave	CONC	Gravity	SC138	600	30.1	2014	65	9	56	\$ 37,900	\$ 25,200	\$ -	\$ 63,100	\$ 971	\$ 1,127	\$ 191,267	\$ 1,883
1895	Hayes Ave	CONC	Gravity	SC140	600	2.7	2014	65	9	56	\$ 3,500	\$ 23,700	\$ -	\$ 27,200	\$ 418	\$ 486	\$ 82,448	\$ 812
1896	Hayes Ave	CONC	Gravity	SC140	2250	76.0	2014	65	9	56	\$ 499,800	\$ 25,200	\$ -	\$ 525,000	\$ 8,077	\$ 9,375	\$ 1,591,362	\$ 15,669
1897	Hayes Ave	CONC	Gravity	SC140	2250	88.5	2014	65	9	56	\$ 582,200	\$ 25,200	\$ -	\$ 607,400	\$ 9,345	\$ 10,846	\$ 1,841,130	\$ 18,129
1898	Hayes Ave	CONC	Gravity	SC140	2250	147.2	2014	65	9	56	\$ 968,400	\$ 23,700	\$ -	\$ 992,100	\$ 15,263	\$ 17,716	\$ 3,007,219	\$ 29,611
1899	Hayes Ave	CONC	Gravity	SC140	600	7.1	2014	65	9	56	\$ 9,000	\$ 23,700	\$ -	\$ 32,700	\$ 503	\$ 584	\$ 99,119	\$ 976
1900	Hayes Ave	CONC	Gravity	SC140	600	10.8	2014	65	9	56	\$ 10,400	\$ 11,900	\$ -	\$ 22,300	\$ 343	\$ 398	\$ 67,595	\$ 666
1901	Hayes Ave	CONC	Gravity	SC140	600	3.3	2014	65	9	56	\$ 4,200	\$ 23,700	\$ -	\$ 27,900	\$ 429	\$ 498	\$ 84,570	\$ 833
1902	Hayes Ave	CONC	Gravity	SC140	2250	93.4	2014	65	9	56	\$ 614,300	\$ 23,700	\$ -	\$ 638,000	\$ 9,815	\$ 11,393	\$ 1,933,883	\$ 19,042
1903	Hayes Ave	PVC	Gravity	SC140	350	25.8	2014	65	9	56	\$ 18,900	\$ 11,900	\$ -	\$ 30,800	\$ 474	\$ 550	\$ 93,360	\$ 919
1904	Hayes Ave	PVC	Gravity	SC140	250	33.8	2015	65	8	57	\$ 21,000	\$ 8,700	\$ -	\$ 29,700	\$ 457	\$ 521	\$ 91,826	\$ 878
1905	Hayes Ave	PVC	Gravity	SC140	250	30.1	2015	65	8	57	\$ 18,700	\$ 8,700	\$ -	\$ 27,400	\$ 422	\$ 481	\$ 84,715	\$ 810

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
1906	Hayes Ave	PVC	Gravity	SC140	250	73.6	2015	65	8	57	\$ 45,500	\$ 8,700	\$ -	\$ 54,200	\$ 834	\$ 951	\$ 167,575	\$ 1,602
1907	Hayes Ave	PVC	Gravity	SC140	250	38.4	2015	65	8	57	\$ 23,800	\$ 8,700	\$ 6,000	\$ 38,500	\$ 592	\$ 675	\$ 119,034	\$ 1,138
1908	Hayes Ave	PVC	Gravity	SC140	250	36.3	2015	65	8	57	\$ 22,500	\$ 8,700	\$ 11,900	\$ 43,100	\$ 663	\$ 756	\$ 133,256	\$ 1,274
1909	Hayes Ave	PVC	Gravity	SC140	250	23.7	2015	65	8	57	\$ 14,700	\$ 8,700	\$ 17,800	\$ 41,200	\$ 634	\$ 723	\$ 127,382	\$ 1,218
1910	Hayes Ave	PVC	Gravity	SC140	250	43.2	2015	65	8	57	\$ 26,700	\$ 8,700	\$ 29,600	\$ 65,000	\$ 1,000	\$ 1,140	\$ 200,966	\$ 1,921
1911	Hayes Ave	PVC	Gravity	SC140	250	26.6	2015	65	8	57	\$ 16,500	\$ 8,700	\$ 11,900	\$ 37,100	\$ 571	\$ 651	\$ 114,705	\$ 1,097
1912	Hayes Ave	PVC	Gravity	SC140	250	34.0	2015	65	8	57	\$ 21,100	\$ 8,700	\$ 23,700	\$ 53,500	\$ 823	\$ 939	\$ 165,411	\$ 1,582
1913	Hayes Ave	PVC	Gravity	SC139	250	119.6	2015	65	8	57	\$ 74,000	\$ 8,700	\$ 65,100	\$ 147,800	\$ 2,274	\$ 2,593	\$ 456,966	\$ 4,369
1914	Lakewood Cres	PVC	Gravity	SC141	300	129.0	2015	65	8	57	\$ 83,300	\$ 8,700	\$ 77,300	\$ 169,300	\$ 2,605	\$ 2,970	\$ 523,440	\$ 5,005
1915	Hayes Ave	PVC	Gravity	SC138	300	113.4	2015	65	8	57	\$ 73,200	\$ 8,700	\$ 53,600	\$ 135,500	\$ 2,085	\$ 2,377	\$ 418,937	\$ 4,006
1916	Hayes Ave	PVC	Gravity	SC138	300	106.0	2015	65	8	57	\$ 68,400	\$ 8,700	\$ 65,500	\$ 142,600	\$ 2,194	\$ 2,502	\$ 440,889	\$ 4,215
1917	Hayes Ave	PVC	Gravity	SC138	375	21.7	2015	65	8	57	\$ 20,900	\$ 23,700	\$ -	\$ 44,600	\$ 686	\$ 782	\$ 137,894	\$ 1,318
1918	Lakewood Cres	PVC	Gravity	SC141	300	60.0	2015	65	8	57	\$ 38,800	\$ 8,700	\$ 23,800	\$ 71,300	\$ 1,097	\$ 1,251	\$ 220,445	\$ 2,108
1919	Lakewood Cres	PVC	Gravity	SC141	200	11.1	2015	65	8	57	\$ 6,800	\$ 8,700	\$ 11,900	\$ 27,400	\$ 422	\$ 481	\$ 84,715	\$ 810
1920	Lakewood Cres	PVC	Gravity	SC141	200	109.1	2015	65	8	57	\$ 66,100	\$ 8,700	\$ 82,900	\$ 157,700	\$ 2,426	\$ 2,767	\$ 487,575	\$ 4,662
1921	Lakewood Cres	PVC	Gravity	SC141	200	100.9	2015	65	8	57	\$ 61,200	\$ 8,700	\$ 71,000	\$ 140,900	\$ 2,168	\$ 2,472	\$ 435,633	\$ 4,165
1922	Lakewood Cres	PVC	Gravity	SC141	200	34.6	2015	65	8	57	\$ 21,000	\$ 8,700	\$ 29,600	\$ 59,300	\$ 912	\$ 1,040	\$ 183,343	\$ 1,753
1923	Lakewood Cres	PVC	Gravity	SC141	200	49.6	2015	65	8	57	\$ 30,100	\$ 8,700	\$ -	\$ 38,800	\$ 597	\$ 681	\$ 119,961	\$ 1,147
1924	Carmelita Crt	PVC	Gravity	T409	200	119.8	2015	65	8	57	\$ 72,600	\$ 8,700	\$ 153,800	\$ 235,100	\$ 3,617	\$ 4,125	\$ 726,879	\$ 6,950
1925	Carmelita Crt	PVC	Gravity	T409	200	112.4	2015	65	8	57	\$ 68,200	\$ 13,400	\$ 136,100	\$ 217,700	\$ 3,349	\$ 3,819	\$ 673,082	\$ 6,435
1926	Amberly Cres	AC	Gravity	T237	200	33.1	1980	65	43	22	\$ 21,800	\$ 11,900	\$ 31,100	\$ 64,800	\$ 997	\$ 2,945	\$ 100,179	\$ 3,670
1929	Outer Dr	PVC	Gravity	SS266	250	31.3	2015	65	8	57	\$ 21,000	\$ 11,900	\$ -	\$ 32,900	\$ 506	\$ 577	\$ 101,720	\$ 973
1930	Outer Dr	PVC	Gravity	SS266	250	87.1	2015	65	8	57	\$ 58,400	\$ 11,900	\$ 12,500	\$ 82,800	\$ 1,274	\$ 1,453	\$ 256,000	\$ 2,448
1931	Outer Dr	PVC	Gravity	SS266	250	83.0	2015	65	8	57	\$ 55,700	\$ 11,900	\$ 6,300	\$ 73,900	\$ 1,137	\$ 1,296	\$ 228,483	\$ 2,185
1932	Outer Dr	PVC	Gravity	SS266	250	84.9	2015	65	8	57	\$ 63,600	\$ 19,700	\$ 13,100	\$ 96,400	\$ 1,483	\$ 1,691	\$ 298,048	\$ 2,850
1933	Outer Dr	PVC	Gravity	SS266	250	99.7	2015	65	8	57	\$ 87,600	\$ 23,700	\$ 20,500	\$ 131,800	\$ 2,028	\$ 2,312	\$ 407,498	\$ 3,896
1934	Burke Dr	PVC	Gravity	SS278	300	118.5	2015	65	8	57	\$ 76,500	\$ 8,700	\$ 11,900	\$ 97,100	\$ 1,494	\$ 1,704	\$ 300,213	\$ 2,870
1935	Burke Dr	PVC	Gravity	SS278	300	121.3	2015	65	8	57	\$ 78,300	\$ 8,700	\$ 35,700	\$ 122,700	\$ 1,888	\$ 2,153	\$ 379,362	\$ 3,627
1936	Burke Dr	PVC	Gravity	SS278	300	121.1	2015	65	8	57	\$ 111,100	\$ 23,700	\$ 34,200	\$ 169,000	\$ 2,600	\$ 2,965	\$ 522,512	\$ 4,996
1937	Moro Dr	PVC	Gravity	SS276	200	44.7	2015	65	8	57	\$ 27,200	\$ 8,700	\$ 11,900	\$ 47,800	\$ 735	\$ 839	\$ 147,787	\$ 1,413
1938	Moro Dr	PVC	Gravity	SS277	300	95.7	2015	65	8	57	\$ 61,700	\$ 8,700	\$ 17,900	\$ 88,300	\$ 1,358	\$ 1,549	\$ 273,005	\$ 2,610
1939	Moro Dr	PVC	Gravity	SS277	300	91.3	2015	65	8	57	\$ 58,900	\$ 8,700	\$ 23,800	\$ 91,400	\$ 1,406	\$ 1,604	\$ 282,589	\$ 2,702
1940	Burke Dr	PVC	Gravity	SS278	300	17.1	2010	65	13	52	\$ 15,700	\$ 23,700	\$ -	\$ 39,400	\$ 606	\$ 758	\$ 110,333	\$ 1,226
1941	Lakewood Cres	PVC	Gravity	SC141	300	57.4	2015	65	8	57	\$ 44,900	\$ 19,700	\$ -	\$ 64,600	\$ 994	\$ 1,133	\$ 199,730	\$ 1,910
2133	Arbour St	PVC	Gravity	T291	250	56.8	2016	65	7	58	\$ 35,200	\$ 8,700	\$ 6,000	\$ 49,900	\$ 768	\$ 860	\$ 157,366	\$ 1,461
2134	Dumouchelle St	CONC	Gravity	SS232	200	29.9	2010	65	13	52	\$ 25,800	\$ 23,700	\$ -	\$ 49,500	\$ 762	\$ 952	\$ 138,616	\$ 1,540
2138	Arbour St	PVC	Gravity	T291	250	57.5	2016	65	7	58	\$ 35,600	\$ 8,700	\$ -	\$ 44,300	\$ 682	\$ 764	\$ 139,706	\$ 1,297
2140	St Anne Blvd	AC	Gravity	T290	250	16.8	1974	65	49	16	\$ 10,400	\$ 8,700	\$ 6,000	\$ 25,100	\$ 386	\$ 1,569	\$ 34,457	\$ 1,849
2141	Arbour St	PVC	Gravity	T294	250	106.8	2016	65	7	58	\$ 71,600	\$ 11,900	\$ 6,300	\$ 89,800	\$ 1,382	\$ 1,548	\$ 283,195	\$ 2,630
2142	Lesperance Rd	CONC	Gravity	T311	600	3.1	1974	65	49	16	\$ 3,100	\$ 19,700	\$ -	\$ 22,800	\$ 351	\$ 1,425	\$ 31,300	\$ 1,679
2143	Arbour St	PVC	Gravity	T294	250	11.6	2016	65	7	58	\$ 7,800	\$ 11,900	\$ -	\$ 19,700	\$ 303	\$ 340	\$ 62,126	\$ 577
2156	Dumouchelle St	PVC	Gravity	SS232	200	78.5	2016	65	7	58	\$ 51,700	\$ 11,900	\$ 31,100	\$ 94,700	\$ 1,457	\$ 1,633	\$ 298,648	\$ 2,773
2157	Dumouchelle St	PVC	Gravity	SS232	200	90.2	2016	65	7	58	\$ 59,400	\$ 11,900	\$ 12,500	\$ 83,800	\$ 1,289	\$ 1,445	\$ 264,274	\$ 2,454
2166	Outer Dr	PVC	Gravity	SS266	200	91.5	2016	65	7	58	\$ 56,600	\$ 8,700	\$ 29,600	\$ 94,900	\$ 1,460	\$ 1,636	\$ 299,279	\$ 2,779
2172	Outer Dr	PVC	Gravity	SS266	250	120.5	2016	65	7	58	\$ 80,800	\$ 11,900	\$ 43,500	\$ 136,200	\$ 2,095	\$ 2,348	\$ 429,524	\$ 3,989
2185	Outer Dr	PVC	Gravity	SS266	250	85.1	2016	65	7	58	\$ 57,000	\$ 11,900	\$ 24,900	\$ 93,800	\$ 1,443	\$ 1,617	\$ 295,810	\$ 2,747
2186	West Lake Dr	PVC	Trunk	SS388	450	9.3	2003	65	20	45	\$ 6,600	\$ 8,700	\$ -	\$ 15,300	\$ 235	\$ 340	\$ 37,299	\$ 519
2190	8th Con Rd	CONC	Gravity	SS204	900	21.7	2017	65	6	59	\$ 43,800	\$ 37,800	\$ -	\$ 81,600	\$ 1,255	\$ 1,383	\$ 262,482	\$ 2,368
2191	County Rd 46	CONC	Gravity	SS203	300	33.5	2017	65	6	59	\$ 30,700	\$ 37,800	\$ -	\$ 68,500	\$ 1,054	\$ 1,161	\$ 220,344	\$ 1,988
2192	County Rd 46	CONC	Gravity	SS205	600	33.7	2017	65	6	59	\$ 42,500	\$ 37,800	\$ -	\$ 80,300	\$ 1,235	\$ 1,361	\$ 258,301	\$ 2,331

**Appendix H-2
Wastewater Sewer Inventory**

GIS Database											2021 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				
2193	8th Con Rd	CONC	Gravity	SS223	900	66.3	2017	65	6	59	\$ 133,600	\$ 37,800	\$ -	\$ 171,400	\$ 2,637	\$ 2,905	\$ 551,342	\$ 4,974
2194	8th Con Rd	CONC	Gravity	SS223	900	64.1	2017	65	6	59	\$ 129,100	\$ 27,600	\$ -	\$ 156,700	\$ 2,411	\$ 2,656	\$ 504,056	\$ 4,548
2195	8th Con Rd	CONC	Gravity	SS256	900	107.0	2017	65	6	59	\$ 215,500	\$ 27,600	\$ 7,100	\$ 250,200	\$ 3,849	\$ 4,241	\$ 804,818	\$ 7,261
2197	8th Con Rd	CONC	Gravity	SS223	900	19.9	2017	65	6	59	\$ 40,200	\$ 27,600	\$ -	\$ 67,800	\$ 1,043	\$ 1,149	\$ 218,092	\$ 1,968
2198	8th Con Rd	CONC	Gravity	SS256	900	140.7	2017	65	6	59	\$ 283,300	\$ 27,600	\$ 21,300	\$ 332,200	\$ 5,111	\$ 5,631	\$ 1,068,587	\$ 9,641
2199	8th Con Rd	PVC	Gravity	SS256	150	19.7	2017	65	6	59	\$ 14,500	\$ -	\$ -	\$ 14,500	\$ 223	\$ 246	\$ 46,642	\$ 421
2204	8th Con Rd	CONC	Gravity	SS256	900	27.2	2017	65	6	59	\$ 54,800	\$ 27,600	\$ -	\$ 82,400	\$ 1,268	\$ 1,397	\$ 265,056	\$ 2,391
2205	8th Con Rd	CONC	Gravity	SS256	900	23.2	2017	65	6	59	\$ 46,700	\$ 27,600	\$ 14,200	\$ 88,500	\$ 1,362	\$ 1,500	\$ 284,678	\$ 2,568
2206	8th Con Rd	CONC	Gravity	SS256	900	121.0	2017	65	6	59	\$ 243,800	\$ 27,600	\$ 28,400	\$ 299,800	\$ 4,612	\$ 5,081	\$ 964,366	\$ 8,701
2209	8th Con Rd	CONC	Gravity	SS256	250	13.1	2017	65	6	59	\$ 11,500	\$ -	\$ -	\$ 11,500	\$ 177	\$ 195	\$ 36,992	\$ 334
2213	8th Con Rd	CONC	Gravity	SS256	900	69.0	2017	65	6	59	\$ 138,900	\$ 27,600	\$ 14,200	\$ 180,700	\$ 2,780	\$ 3,063	\$ 581,257	\$ 5,244
2214	8th Con Rd	CONC	Gravity	SS256	900	77.6	2017	65	6	59	\$ 156,200	\$ 37,800	\$ 7,100	\$ 201,100	\$ 3,094	\$ 3,408	\$ 646,878	\$ 5,836
2215	8th Con Rd	CONC	Gravity	SS256	450	3.6	2017	65	6	59	\$ 3,600	\$ 23,700	\$ -	\$ 27,300	\$ 420	\$ 463	\$ 87,816	\$ 792
2216	8th Con Rd	CONC	Gravity	SS256	750	4.1	2017	65	6	59	\$ 6,800	\$ 27,600	\$ -	\$ 34,400	\$ 529	\$ 583	\$ 110,654	\$ 998
2217	N Talbot Rd	CONC	Gravity	SS255	750	17.4	2017	65	6	59	\$ 28,500	\$ 23,700	\$ -	\$ 52,200	\$ 803	\$ 885	\$ 167,912	\$ 1,515
2218	N Talbot Rd	CONC	Gravity	SS257	450	18.3	2017	65	6	59	\$ 18,100	\$ 23,700	\$ -	\$ 41,800	\$ 643	\$ 708	\$ 134,458	\$ 1,213
2221	Pulleyblank Dr	PVC	Gravity	SS275	250	96.8	2017	65	6	59	\$ 72,400	\$ 19,700	\$ 26,100	\$ 118,200	\$ 1,818	\$ 2,003	\$ 380,214	\$ 3,430
2225	Pulleyblank Dr	PVC	Gravity	SS275	250	87.7	2017	65	6	59	\$ 65,700	\$ 19,700	\$ 13,100	\$ 98,500	\$ 1,515	\$ 1,669	\$ 316,845	\$ 2,859
2228	Pulleyblank Dr	PVC	Gravity	SS279	250	105.1	2017	65	6	59	\$ 78,700	\$ 22,100	\$ 19,600	\$ 120,400	\$ 1,852	\$ 2,041	\$ 387,290	\$ 3,494
2232	Pulleyblank Dr	PVC	Gravity	SS281	250	79.7	2017	65	6	59	\$ 59,700	\$ 22,100	\$ 19,600	\$ 101,400	\$ 1,560	\$ 1,719	\$ 326,173	\$ 2,943
2233	Pulleyblank Dr	PVC	Gravity	SS281	250	84.2	2017	65	6	59	\$ 63,000	\$ 19,700	\$ 6,600	\$ 89,300	\$ 1,374	\$ 1,514	\$ 287,251	\$ 2,592
2239	Moro Dr	PVC	Gravity	SS276	200	83.6	2017	65	6	59	\$ 55,100	\$ 11,900	\$ 24,900	\$ 91,900	\$ 1,414	\$ 1,558	\$ 295,614	\$ 2,667
2245	Moro Dr	PVC	Gravity	SS276	200	85.8	2017	65	6	59	\$ 56,500	\$ 11,900	\$ 18,700	\$ 87,100	\$ 1,340	\$ 1,476	\$ 280,174	\$ 2,528
2246	Moro Dr	PVC	Gravity	SS276	200	89.6	2017	65	6	59	\$ 59,000	\$ 11,900	\$ 6,300	\$ 77,200	\$ 1,188	\$ 1,308	\$ 248,329	\$ 2,241
2250	Crowder Crt	PVC	Gravity	SS280	200	100.5	2017	65	6	59	\$ 61,000	\$ 8,700	\$ 29,600	\$ 99,300	\$ 1,528	\$ 1,683	\$ 319,418	\$ 2,882
2256	Crowder Crt	PVC	Gravity	SS280	200	80.5	2017	65	6	59	\$ 53,000	\$ 11,900	\$ -	\$ 64,900	\$ 998	\$ 1,100	\$ 208,764	\$ 1,884
2257	Rossi Dr	PVC	Gravity	SS274	250	36.1	2017	65	6	59	\$ 24,300	\$ 11,900	\$ 6,300	\$ 42,500	\$ 654	\$ 720	\$ 136,710	\$ 1,233
2281	Rossi Dr	PVC	Gravity	SS274	250	83.0	2018	65	5	60	\$ 55,700	\$ 11,900	\$ 24,900	\$ 92,500	\$ 1,423	\$ 1,542	\$ 303,495	\$ 2,661
2282	Rossi Dr	PVC	Gravity	SS274	250	100.0	2018	65	5	60	\$ 67,000	\$ 11,900	\$ 31,100	\$ 110,000	\$ 1,692	\$ 1,833	\$ 360,913	\$ 3,164
2288	Rossi Dr	PVC	Gravity	SS274	250	99.9	2018	65	5	60	\$ 67,000	\$ 11,900	\$ 24,900	\$ 103,800	\$ 1,597	\$ 1,730	\$ 340,571	\$ 2,986
2289	Rossi Dr	PVC	Gravity	SS274	250	100.3	2018	65	5	60	\$ 67,300	\$ 11,900	\$ 24,900	\$ 104,100	\$ 1,602	\$ 1,735	\$ 341,555	\$ 2,995
2290	Rossi Dr	PVC	Gravity	SS274	250	64.4	2018	65	5	60	\$ 43,200	\$ 11,900	\$ -	\$ 55,100	\$ 848	\$ 918	\$ 180,785	\$ 1,585
2299	Walker Rd	PVC	Gravity	SS238	250	109.0	2020	65	3	62	\$ 95,800	\$ 23,700	\$ 27,300	\$ 146,800	\$ 2,258	\$ 2,368	\$ 501,114	\$ 4,152
2300	Walker Rd	PVC	Gravity	SS238	250	25.6	2020	65	3	62	\$ 19,200	\$ 19,700	\$ 6,600	\$ 45,500	\$ 700	\$ 734	\$ 155,318	\$ 1,287
2301	Walker Rd	PVC	Gravity	SS238	250	10.6	2020	65	3	62	\$ 8,000	\$ 19,700	\$ -	\$ 27,700	\$ 426	\$ 447	\$ 94,556	\$ 784
2302	Walker Rd	PVC	Gravity	SS238	250	99.3	2020	65	3	62	\$ 74,300	\$ 19,700	\$ 26,100	\$ 120,100	\$ 1,848	\$ 1,937	\$ 409,971	\$ 3,397
2303	Walker Rd	PVC	Gravity	SS238	250	105.0	2020	65	3	62	\$ 78,600	\$ 19,700	\$ -	\$ 98,300	\$ 1,512	\$ 1,585	\$ 335,555	\$ 2,781
2304	Walker Rd	PVC	Gravity	SS238	250	111.0	2020	65	3	62	\$ 83,100	\$ 19,700	\$ 32,600	\$ 135,400	\$ 2,083	\$ 2,184	\$ 462,199	\$ 3,830
2305	Walker Rd	PVC	Trunk	SS238	250	120.8	2020	65	3	62	\$ 81,000	\$ 11,900	\$ 37,300	\$ 130,200	\$ 2,003	\$ 2,100	\$ 444,449	\$ 3,683
2306	Walker Rd	PVC	Gravity	SS238	250	101.2	2020	65	3	62	\$ 67,900	\$ 11,900	\$ 24,900	\$ 104,700	\$ 1,611	\$ 1,689	\$ 357,402	\$ 2,962
2307	Tecumseh Rd	PVC	Gravity	T262	300	62.4	2020	65	3	62	\$ 40,300	\$ 8,700	\$ 23,800	\$ 72,800	\$ 1,120	\$ 1,174	\$ 248,509	\$ 2,059
2308	Tecumseh Rd	PVC	Gravity	T262	300	41.7	2020	65	3	62	\$ 26,900	\$ 8,700	\$ 11,900	\$ 47,500	\$ 731	\$ 766	\$ 162,145	\$ 1,344
2309	Tecumseh Rd	PVC	Gravity	T262	300	29.8	2020	65	3	62	\$ 20,900	\$ 11,900	\$ 12,500	\$ 45,300	\$ 697	\$ 731	\$ 154,635	\$ 1,281
2310	Tecumseh Rd	PVC	Gravity	T262	375	21.9	2020	65	3	62	\$ 16,100	\$ 11,900	\$ 6,300	\$ 34,300	\$ 528	\$ 553	\$ 117,086	\$ 970
2311	Tecumseh Rd	PVC	Gravity	T262	375	110.8	2020	65	3	62	\$ 81,200	\$ 11,900	\$ 31,400	\$ 124,500	\$ 1,915	\$ 2,008	\$ 424,991	\$ 3,522
2312	Tecumseh Rd	PVC	Gravity	T262	375	92.2	2020	65	3	62	\$ 67,500	\$ 11,900	\$ 56,500	\$ 135,900	\$ 2,091	\$ 2,192	\$ 463,906	\$ 3,844
2313	Tecumseh Rd	PVC	Gravity	T263	450	118.8	2020	65	3	62	\$ 79,600	\$ 11,900	\$ 49,700	\$ 141,200	\$ 2,172	\$ 2,277	\$ 481,998	\$ 3,994
2314	Tecumseh Rd	PVC	Gravity	T263	450	103.4	2020	65	3	62	\$ 69,300	\$ 11,900	\$ 68,400	\$ 149,600	\$ 2,302	\$ 2,413	\$ 510,672	\$ 4,232
2315	Tecumseh Rd	PVC	Gravity	T264	450	56.7	2020	65	3	62	\$ 42,800	\$ 11,900	\$ 19,200	\$ 73,900	\$ 1,137	\$ 1,192	\$ 252,264	\$ 2,090
2316	Tecumseh Rd	PVC	Gravity	T264	450	57.3	2020	65	3	62	\$ 43,300	\$ 11,900	\$ 31,900	\$ 87,100	\$ 1,340	\$ 1,405	\$ 297,323	\$ 2,464

Appendix H-2
Wastewater Sewer Inventory

GIS Database											2021 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				
2317	Tecumseh Rd	PVC	Gravity	T265	450	57.3	2020	65	3	62	\$ 43,300	\$ 11,900	\$ 44,700	\$ 99,900	\$ 1,537	\$ 1,611	\$ 341,017	\$ 2,826
2318	Tecumseh Rd	PVC	Gravity	T265	450	59.0	2020	65	3	62	\$ 49,800	\$ 19,700	\$ 13,400	\$ 82,900	\$ 1,275	\$ 1,337	\$ 282,986	\$ 2,345
Totals											\$ 91,541,200	\$ 20,963,600	\$ 48,111,300	\$ 160,616,100	\$ 2,471,017	\$ 6,969,899	\$ 293,151,092	\$ 8,794,162

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