



BURNSIDE

2022 Storm Water Asset Management Plan

Town of Grand Valley

**R.J. Burnside & Associates Limited
15 Townline
Orangeville ON L9W 3R4 CANADA**

**December 8, 2022
300051749.0000**



Record of Revisions

Revision	Date	Description
-	December 5, 2002	Draft Final Report
1	December 8, 2022	Final Report

R.J. Burnside & Associates Limited

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AK:sm

2022 Storm Water Asset Management Plan
December 8, 2022

Executive Summary

This report contains the Storm Water Asset Management Plan for the Town of Grand Valley. The report has been organized as follows:

- Section 1.0: Introduction
- Section 2.0: State of Local Infrastructure
- Section 3.0: Expected Levels of Service
- Section 4.0: Asset Management Strategy
- Section 5.0: Recommendations

The “State of Local Infrastructure” section provides an overview of the storm water assets owned by the Town. This includes detailed information on storm water asset inventory, including asset attributes, replacement costs, useful life, age, and asset condition. This information provides the foundation for other sections of this asset management plan.

Based on data provided by the Town and discussions with Town Staff, it is believed that the Town’s Storm Water assets are in Good weighted average condition (with the weighting based on asset replacement cost) as outlined in the following assets table. Please note that weighted average conditions do not fully reflect the many assets that need to have capital improvement investments but provide an overall high-level perspective of all the assets found in that asset grouping / network.

Asset Type	Condition (Weighted Average)	Risk (Weighted Average)	Useful Life (UL) - Weighted Average	Remaining Service Life (RSL) - Weighted Average	RSL as a % of UL
Storm Mains	Good	Low	97	71	73%
Catch Basins	Good	Moderate	100	68	68%
Storm Manholes	Good	Low	100	75	75%
Crossroad Culvert	Good	Low	54	32	59%
Storm Ponds	Very Good	Moderate	100	90	90%
Discharge Points	Very Good	Low	100	81	81%

Looking at a weighted average of remaining life as a percentage of useful life can provide a quick estimate of how quickly the Town may be looking to invest in either capital improvements or asset replacement. It is important to view the remaining service life to useful life percentages not as absolutes but as triggers to seek more information about an asset type. This summary table shows that the Town’s storm water assets still

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have much more than 50% of their useful life remaining. The only storm water asset type showing close to 50% remaining life are the crossroad culverts.

The Town has been working diligently at replacing degraded crossroad culverts. This study identifies a small increase of \$2,500 per year in crossroad culvert replacement will ensure a lower asset failure risk tolerance for the Town.

"Expected levels of service" compares the current level of service provided by the Town, and the recommended levels of service that will help extend the life of the above-mentioned asset types as well as help accommodate for growth of the Town. The Town of Grand Valley takes great care in the service levels they offer their constituents and public. This report has made a few additional Levels of Service (LOS) recommendations that can help potentially extend the life of the Town's storm water assets and therefore reduce the total lifecycle costs of these assets.

The "asset management strategy" provides a long-term operating and capital forecast indicating the requirements for maintaining, rehabilitating, replacing / disposing, and expanding the Town's assets, while moving towards the specified expected levels of service identified above. The goal of the storm water asset management strategy is to have the Town moving towards a more sustainable asset management position over the 10-year forecast period. We have also taken into consideration the potential risk of each asset by identifying the asset consequence of failure and probability of failure.

Asset risk was assessed based on the asset's age, condition, consequence of failure, and probability of failure. The following have been identified based on project inspections and Town data as assets that need to be replaced or have major improvements over the next few years:

- Storm Water Mains – There are some old storm mains located in parts of the Town that have exceeded or are coming to exceed their identified useful lives. Our project models have identified approximately \$300,000 in replacement cost for the replacement of these storm water mains. Replacing storm water mains usually only takes place when a road surface needs replacing. A portion of the storm water main segments are part of the current Emma Street reconstruction project. To ensure that appropriate coordination is undertaken, it is our recommendation that the Town complete storm main CCTV scans for these sections of pipe to be able to project a more accurate condition and coordinated replacement year. Cost for an annual CCTV scans is estimated at \$10,000 per year.
- Crossroad Culverts – As noted above, the Town diligently has been replacing crossroad culverts annually. Based on the inspections completed during this project it is recommended that the Town slightly accelerate this activity from \$15,000 to \$17,500 annually to reduce some of the Town's risk. This will also help ensure that the Town's road bases are protected from storm water infiltration / washout.
- Storm Ponds – Most of the Town's Storm Ponds have been constructed within the last 10 years, but were only assumed by the Town in the last few years. Before

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- assuming the storm pond assets, the developer is responsible to have them cleaned out. This means that the Ritchie Drive Pond will need to be cleaned out in 2025 – the approximate cost of which is \$115,000.
- Oil / Grit Separators – Need to be cleaned out every 5-7 years to ensure they work appropriately. These two assets need to be cleaned out in 2025 – the approximate cost of which is \$11,000.
 - Improving the storm sewer network has been an important priority to reduce extraneous flows that have been observed entering the sanitary sewer system. The Storm Water Inflow and Groundwater Infiltration Study Report prepared by Burnside, dated July 2009, is used as a reference to determine the areas where extraneous flows are observed and where storm sewer improvements would be beneficial for the Town's wastewater treatment plant. By making improvements, it ensures groundwater sources from a foundation drainage are directed to a storm sewer system rather than a sanitary sewer, which takes up capacity at the treatment plant. The report identified the Riverhill subdivision as an area where higher extraneous flows were observed. Since 2017, work has focused in this area, and thus far storm sewers / services were added on Baker Court, Crozier Street, and Spruyt Avenue. The next project in this subdivision that is slated for improvements is Luther Road. Pending Council approval, we anticipate construction of this project in 2024. Other areas where higher flows were observed were Main Street and Amaranth Street west of Main Street. Several other streets in Grand Valley have extraneous flows, and any road reconstruction project that is planned takes into consideration the information in the report to determine whether storm sewer work should be included. It is a costly undertaking to complete the work given the complexities with working around existing utilities and infrastructure in place, as well as working on private property to provide the storm sewer connections.
 - There are some roads in Grand Valley that do not have storm sewers and road catch basins. The majority of these roads are located across the Water Street Bridge (Cooper Street, George Street, Parkview Street, Main Street, River Street). As noted in the 2009 report, these roads do not contribute to the extraneous flows in the sanitary sewer system. The Town could consider these roads on a case-by-case basis in coordination with other future road reconstruction work. Scott Street which has no storm sewer has plans to be urbanized. There is an agreement in place with two other developers who are contributing to the storm sewer installation. The work is anticipated to be completed in 2023/2024 pending receiving regulatory approvals, and Council approval of to proceed to construction.
 - There is a shallow storm sewer on Emma Street that is sometimes prone to freezing but can overland if necessary.

The above listed projects summarise the most current storm water assets improvement needs for the Town.

In summary, an annual asset investment of \$118,000 is needed to fund long-term asset management planning needs for storm water infrastructure. This optimal investment

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becomes the funding target over the forecast period. However, this target increases over time as inflation increases this amount annually. Assuming 2% annual inflation, the target annual capital asset investment amount becomes \$125,000 by the year 2032.

Overall, this storm water asset management plan is a tool to be used by the Town for capital decision making. It can be tied to various existing reports (such as budget, official plan, and strategic planning reports) to ensure future asset management plans can be updated to reflect changes in the Town of Grand Valley's priorities.

Please note that this study only focused on the Town's storm water assets.

This report has been formatted to meet the Information and Communications Standards under the Accessibility for Ontarians with Disabilities Act, 2005 (A.O.D.A.). This is a technical report that may include figures, or detailed drawings where additional accommodation is required in order for readers to access the report's information. If additional accommodation is required, please contact Arunas Kalinauskas, R.J. Burnside & Associates Limited.

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Appendix A Municipality Asset Inventory & Asset Management Plan Assumptions

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Disclaimer

In the preparation of the various instruments of service contained herein, R.J. Burnside & Associates Limited was required to use and rely upon various sources of information (including but not limited to: reports, data, drawings, observations) produced by parties other than R.J. Burnside & Associates Limited. For its part R.J. Burnside & Associates Limited has proceeded based on the belief that the third-party / parties in question produced this documentation using accepted industry standards and best practices and that all information was therefore accurate, correct, and free of errors at the time of consultation. As such, the comments, recommendations, and materials presented in this instrument of service reflect our best judgment in light of the information available at the time of preparation. R.J. Burnside & Associates Limited, its employees, affiliates and subcontractors accept no liability for inaccuracies or errors in the instruments of service provided to the client, arising from deficiencies in the aforementioned third-party materials and documents.

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The preparation of this project was carried out with assistance from the Government of Canada and the Federation of Canadian Municipalities. Notwithstanding this support, the views expressed are the personal views of the authors, and the Federation of Canadian Municipalities and the Government of Canada accept no responsibility for them.

1.0 Introduction

1.1 Overview

R.J. Burnside & Associates Limited (Burnside) was retained by the Town of Grand Valley (Town) to prepare a storm water asset management plan. This plan is intended to be a tool for the Town to use during various decision-making processes, including the annual budget process and Provincial / Federal capital grant application processes. This plan will serve as a road map for sustainable storm water infrastructure planning going forward.

Assets included in this storm water asset management plan are the following:

- Storm Water Gravity Mains;
- Catch Basins;
- Storm Water Manholes;
- Crossroad Culverts;
- Storm Ponds;
- Discharge Points; and
- Municipal Drains.

It is recommended that this plan be updated on an annual basis to ensure that it is kept up to date. All assets listed above are tax supported and are discussed more thoroughly in this report.

1.2 Plan Objectives

The Town's goals and objectives with respect to their storm water assets relate to the level of service being provided to the Town's residents and visitors. Services should continue to be provided at expected levels, as defined within this storm water asset management plan. The Town's infrastructure and other capital assets are anticipated to be maintained at condition levels that provide for a safe and functional environment for its residents and visitors. Therefore, the storm water asset management plan and its implementation will be evaluated based on the Town's ability to meet these goals and objectives.

1.3 Plan Development

The development of the Town's storm water asset management plan was based on the steps summarized below:

1. Develop a complete listing of storm water assets to be included in the plan, including attributes such as useful life, age, current replacement valuation. Update the replacement cost of assets to 2022 dollars, and where required, using applicable inflationary indices.
2. Assess current condition of the assets, based on a combination of the following:
 - a) Existing reports;
 - b) Burnside desktop assessments;
 - c) Staff assessments;
 - d) Asset age analysis; and
 - e) Field inspections for Crossroad Culverts Discharge Points, and Catch Basins.
3. Assess the risk of asset failure for each asset, based on determining the probability of each asset failing, as well as the consequence of the asset failing. This risk analysis is one of the components used to identify priority projects for inclusion in the asset management plan, as well as asset risk levels that require mitigation.
4. Determine current levels of service, based on standard practices and discussions with Town staff and discussions with Burnside Engineering staff. Further analysis of the maintenance practices and identification of additional measures that can be applied to the assets to extend their lifecycle and potentially provide a lower asset total lifecycle cost.
5. Prepare a storm water asset management strategy (i.e., operating and capital forecast) based on the asset inventory, identified priorities, and level of service analysis discussed above.
6. Determine an annual cost to support the storm water asset management strategy over the plan period.
7. Prepare a final report, summarizing the process, strategy, and results of the asset management plan.

1.4 Maintaining an Asset Management Plan

An asset management plan should be updated as the capital needs and priorities of the Town change. This can be accomplished in conjunction with the Town's budget process. With the delivery of this project spreadsheet file, the Town will have the tools available to perform updates to their asset management plan when needed.

When updating the asset management plan, note that the state of local infrastructure, expected levels of service, asset management strategy and financing strategy are integrated and impact each other. Looking at these components in reverse order, one can see the financing strategy outlines how the asset management strategy will be funded. The asset management strategy illustrates the costs required to maintain expected levels of service at a sustainable level. The expected levels of service component summarizes and links each service area to specific assets contained in the state of local infrastructure and thus determines how these assets will be used to provide expected service levels.

This report covers a forecast period of 10 years, as the growth of the Town will show significant asset inventory adjustments. It is suggested that more focus and attention be put on the first 5 years of the storm water asset management plan, to ensure accurate capital planning in the short term. It is also recommended that in the future the Town start moving towards 50-year forecasts. This longer-term vision will ensure that future infrastructure investments are not lost in the shorter 10-year forecast window.

1.5 Plan Integration

The municipal environment is continually changing and demanding when it comes to legislation and other responsibilities. Integrating this storm water asset management plan with the Town's asset management and budget process is key to the appropriate management of the Town's assets.

With respect to integrating the Town's budget process with asset management planning, this requires a projection of capital and operating costs over a future period. The budget outlines total operating and capital requirements for the Town, while the asset management plan focuses on specific asset related requirements. With this link to the annual budget, the budget update process can also become an asset management plan update process.

Both asset management and PSAB 3150 require a complete and accurate asset inventory. Using a single asset inventory as developed for the storm water asset management plan, spreadsheets contain current replacement valuation as an effective approach to maintaining the Town's asset data (digital spreadsheets of these assets are provided in Appendix A).

2.0 State of Local Infrastructure

2.1 Scope and Process

This section of the plan provides an opportunity to develop a greater understanding of the storm water assets owned by the Town. The state of local infrastructure analysis includes:

- An asset inventory documenting asset sub-types including quantities, materials, and other similar asset attributes (where available);
- Current replacement cost valuation;
- Asset age distribution analysis and asset age as a proportion of expected useful life;
- Asset condition information (mostly based on report and / or staff assessment, as well as field inspection of crossroad culverts and catch basins); and
- Documentation of assumptions made in creating the asset inventory.

Burnside developed a detailed storm water asset inventory listing for the Town, which was used as a starting point in fulfilling the requirements for this report. This inventory provides attributes such as current replacement cost, useful life, and age. With respect to replacement cost, the Town provided various recent valuations, which were inflated to estimate current 2022 replacement costs. In cases of newly identified assets, we estimated the year that the asset was constructed and / or acquired based on other surrounding assets.

The following data and reports were used to develop the Town's asset inventory during this project:

- Town PSAB 3150 asset inventory;
- Town reports (such as spreadsheets; documents and notes from staff);
- Town 2022 Asset Management Plan;
- Town GIS data;
- Recent purchase information from the Town; and
- Discussions with Town staff.

Some adjustments to asset useful lives have been made but further analysis may reveal that the Town will want to update some useful life values in the Town's tangible capital asset financial reporting so that they better reflect the lifecycle and remaining life of the Town's storm water assets. Burnside engineers have reviewed the useful lives of the storm water assets identified in this project and believe they now better reflect the conditions, maintenance practices, and management of the Town's assets.

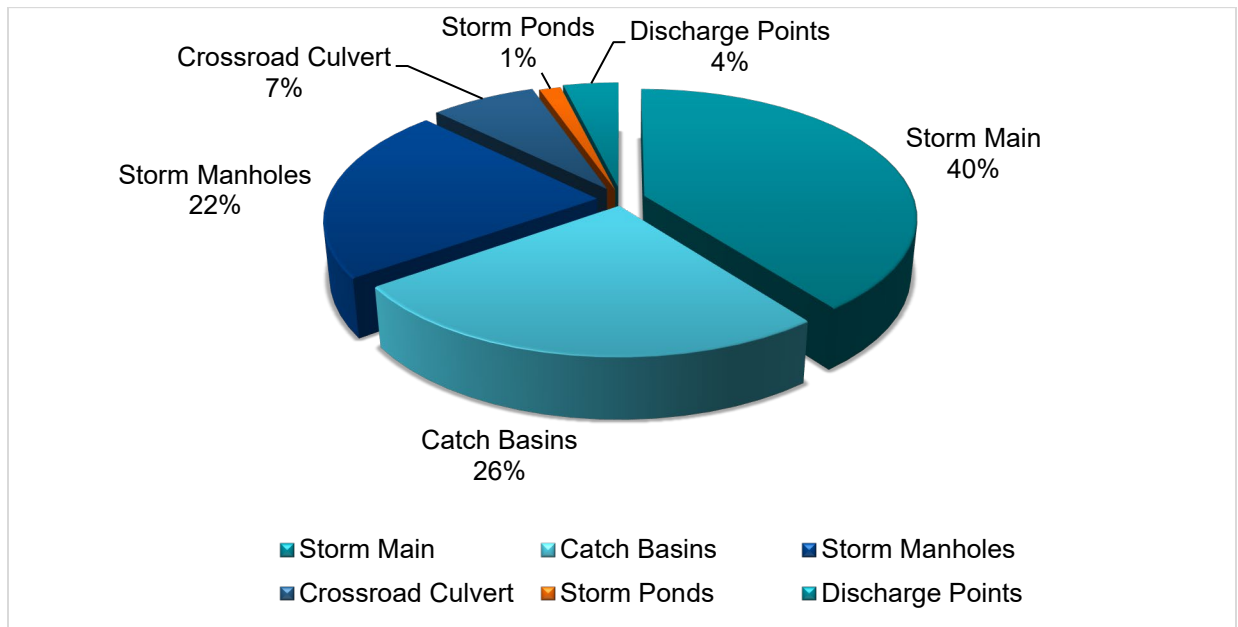
2.2 Capital Asset Overview

The Town presently owns storm water assets with a 2022 replacement value of approximately \$16.7 million, broken out as follows:

- \$6.6 million Storm Water Mains;
- \$4.3 million Catch Basins;
- \$3.7 million Storm Manholes;
- \$1.2 million Crossroad Culverts;
- \$0.3 million Storm Ponds; and
- \$0.6 million Storm Water Discharge Headwalls.

Over the last five years the Town has assumed \$3.6 million worth of storm water assets. This is an increase of approximately 30% of storm water assets, which can show an overall weighted average condition improvement. 40% of all the storm water assets total replacement value is contained in Storm Water Mains, 26% is contained in Catch Basins, 22% in Storm Manholes, 7% in Crossroad Culverts, 4% in Storm Water Discharge Headwalls, and 2% in Storm Ponds. Table 2.1 and Figure 2.1 outline the breakdown of these totals into the Town’s storm water asset categories.

Figure 2.1: Storm Water Asset Distribution Replacement Costs (2022)



The capital asset inventory was organized in a Microsoft Excel spreadsheet and delivered to the Town in digital form shown in Appendix A. Each of the asset types were assessed for their age, condition (where available), and for data accuracy and completeness.

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Table 2.1 and Figure 2.2 show the state of storm water inventory summary by asset sub-type. This table also leads one to understand that the Town's storm water assets are mostly in the first 1/3 of their lifecycle. This is clearly understood as the Town has been experiencing significant growth and expansion of their urban area over the last 10 years. This growth continues to develop in north, west, and southern areas of the current urban part of the Town.

The Storm Water Network Inventory Map (Figure 2.2) was based on drawings and includes locations of storm sewers, maintenance holes, oil / grit separators, pipe locations, and the location of stormwater management facilities. The map is developed from data in the Town's GIS system. We note that the Town's GIS system does include the road catch basins but are not shown on this map due to the scale of the drawing. The newer areas in Grand Valley were imported to GIS from AutoCAD drawings provided by Developer's Engineers, or from AutoCAD drawings Burnside has from their previous projects in the Town.

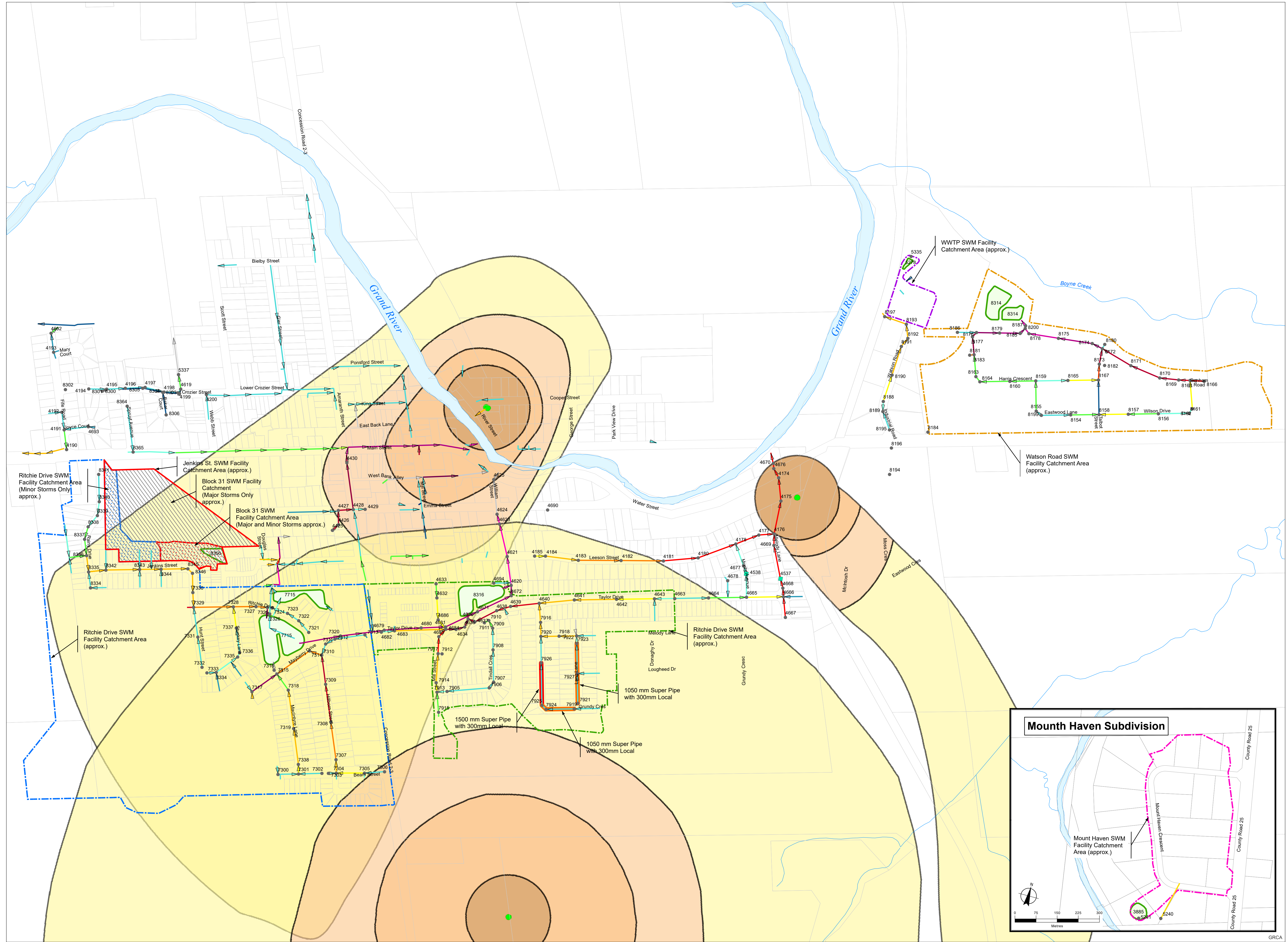
As part of the Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) for municipal stormwater management systems that the Town expects to be issued shortly, there are requirements to update the mapping within 12 months of infrastructure being connected to the system, even if they are developer maintained. In addition, when existing infrastructure is located but not previously included on the map, it is required to be added when applicable. The Town will be required to submit to the Ontario Ministry of the Environment, Conservation and Parks (MECP) Director, notification for the following:

- When existing infrastructure has been located but not previously included on mapping or in the CLI-ECA. Notification is required within 90 days.
- When the Town assumes developer operated facilities. Notification is required within 30 days.
- When authorized infrastructure is connected to the network which will impact the descriptions in Schedule B of the CLI-ECA. This includes any addition of a storm sewer, as that impacts the total lengths included in Schedule B. Notification is required within 30 days.

As a requirement of the CLI-ECA by June 2025, the map will need to be updated to show sewer sheds for the storm sewer network map. For example, there is an outlet to the Grand River at Water / William Street. This outlet services a large catchment area including the subdivision referred to as Mayberry Hill Phase 1, 2, and 3A, among other areas. The map will need to be updated to show the ultimate catchment areas to each ultimate outlet of the storm sewer network system.

Table 2.1: Asset Condition / Needs Assessment Tax Supported Asset Summary

Asset Type	2022 Replacement Cost	Condition (Weighted Average) (Value)	Condition (Weighted Average) (Text)	Useful Life (Years)	Age (Weighted Average)	Remaining Life (Weighted Average)	Risk (Weighted Average) (Value)	Risk (Weighted Average) (Text)
Storm Mains	\$6,630,110	7.0	Good	100, 50	27	71	1	Low
Catch Basins	\$4,271,000	6.9	Good	100	32.2	67.8	2	Moderate
Storm Manholes	\$3,710,000	7.4	Good	100	25.3	74.7	1	Low
Crossroad Culvert	\$1,225,917	7.0	Good	30, 80	22	32	1	Low
Storm Ponds	\$250,000	8.8	Very Good	100	10	90	2	Moderate
Discharge Points	\$645,000	8.0	Very Good	100	19	81	1	Low
Total	\$16,732,027	7	Good		27	69	1	Low



Maintenance Hole Location

- Storm Maintenance Hole

Oil/Grit Separator

- Oil/Grit Separator

Storm Gravity Main

- Unknown Diameter
- 150 mm
- 200 mm
- 250 mm
- 300 mm
- 375 mm
- 400 mm
- 450 mm
- 500 mm
- 625 mm
- 600 mm
- 675 mm
- 700 mm
- 750 mm
- 825 mm
- 900 mm
- 975 mm
- 1000 mm
- 1050 mm
- 1200 mm
- 1350 mm
- 1500 mm

Super Pipes

- 1050 mm
- 1500 mm

Storm Water Catchment Areas

- Jenkins Street SWM Facility Catchment Area
- Ritchie Drive SWM Facility Catchment Area
- Taylor Drive SWM Facility Catchment Area
- WWTP SWM Facility Catchment Area
- Watson Road SWM Facility Catchment Area

Storm Water Management Pond

- Parcels
- Lakes & Rivers
- Streams

SWP WHPA-Wellhead Protection Area (GRCA)

- WHPA-A
- WHPA-B
- WHPA-C
- WHPA-D

Note: Maintenance holes are not appearing on some sections of the storm sewer, but are present. This will be addressed on future mapping revisions.

Source:

- Ministry of Northern Development, Mines, Natural Resources and Forestry, © Queen's Printer for Ontario
- Parcel Data Created with Data Collector from Terrestrial

Disclaimer:

B.J. Burnside & Associates Limited and the above mentioned sources and agencies are not responsible for the accuracy of the spatial, temporal, or other aspects of the data represented on this map. It is recommended that users confirm the accuracy of the information represented.

This map is the product of a Geographic Information System (GIS). As such, the data represented on this map may be subject to updates and future representations may not be identical.

Datum: North American 1983
 Coord. System: NAD 1983 UTM Zone 17N
 Projection: Transverse Mercator
 Central Meridian: 81°10'00"W
 False Easting: 1 False Northing: 0m
 Page Orientation: Scale Factor: 0.9999

BURNSIDE

Client: **TOWN OF GRAND VALLEY**

Map Title: **STORM WATER NETWORK INVENTORY**

Drawn	Checked	Date	Map No.
MD	CED	2022/10/13	1/1
Scale	Project No.		
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2.3 Storm Water Mains

The Town's storm water main assets make up a key service in the urban part of the Town with 12.1 km of pipe. This ensures the movement of storm water through the Town eventually discharging in the Grand River via gravity mains. The Town has completed some CCTV scans in older parts of the Town, looking to assess the condition of the gravity mains.

The inventory of storm water mains was compiled from both the Town's asset management database and GIS. Figure 2.2 shows a map of the Town's storm water gravity main network according to pipe diameter size. Table 2.2 outlines the distribution of storm gravity main pipes via material. This table shows that the greatest length of Town storm main is made of concrete (10.1 km) and approximately 83% of the whole network. Even though the overall weighted condition of storm mains is good, the table outlines that the weighted condition of corrugated steel pipes is very poor. The condition of these pipe assets was estimated via the asset's age. It is recommended that the Town complete CCTV scans of these corrugated steel pipes to assess the real condition that will better define the remaining life of the pipe.

The useful life of a corrugated steel pipe is identified as 50 years. This value may be too conservative an estimate in some locations that have favourable soil and environment conditions for corrugated steel pipes. However, there may be locations that have poor high acidic soil conditions which will degrade steel pipes much faster than 50 years. Therefore, CCTV scans of these corrugated steel pipes in poor soil makeup may provide a more accurate condition and remaining life estimation.

2.4 Storm Water Catchment Devices

Catch Basins (26%) and Storm Manholes (22%) account for close to 50% of the replacement cost of the storm water assets for the Town. The catch basins collect storm water along Town roads to provide access to the storm water gravity mains and clearing away surface runoff water. Figure 2.3 and Figure 2.4 show the Catch Basin and Discharge Point locations across the rural and urban areas, respectively, of the Town.

Field investigations located 71 additional catch basins that were not originally in the Town's asset inventory. Most of these newly identified catch basins are located in the rural areas of the Town, assisting in the capturing and moving of storm water across roadways. The Public Works Manager provided guidance to some locations and others were identified in the Spring before grasses grew surrounding them and making them harder to see from the road.

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Table 2.3 shows a breakdown of numbers of assets and their weighted conditions and risk of failure by the following categories:

- Storm Water Manholes;
- Catch Basins;
- Double Catch Basins;
- Double Ditch Catch Basins;
- Ditch Catch Basins; and
- Yard (Rear Lot) Catch Basins.

These classes of storm water catchment devices help to outline the complexity of the Town's assets between rural and urban settings.

Storm Water Manholes, which are individually the most expensive to replace of storm water assets, are located in the urban area and account for \$3.7 million (46%) of all of the catchment type devices owned by the Town. Catch basins account for \$3 million (38%) replacement cost of the catchment type devices owned by the Town. These assets all have 100-year useful lives and are in good to very good condition.

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Table 2.2: Storm Water Gravity Mains

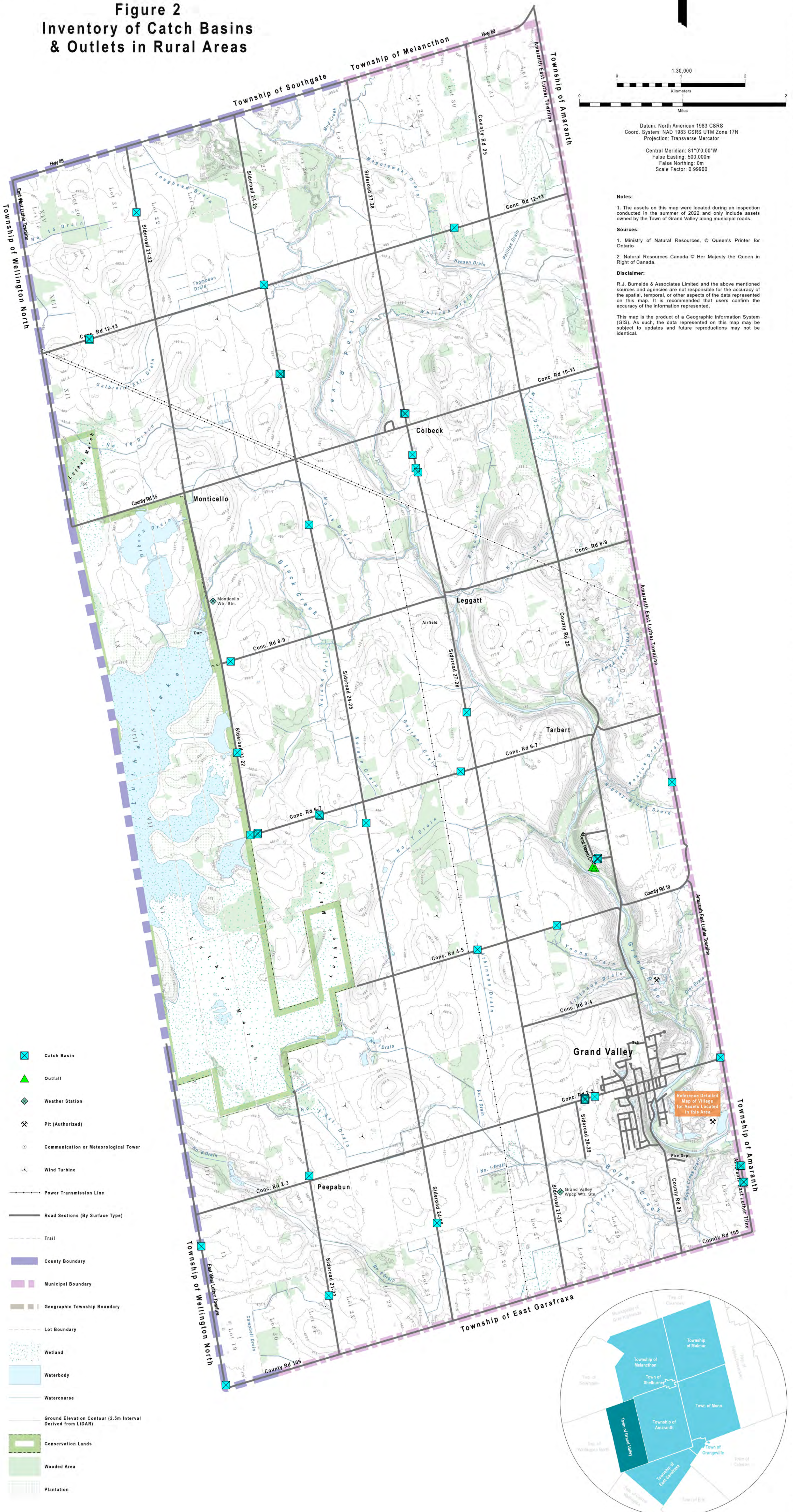
Storm Water Mains (Material)	Length (m)	Condition (Weighted Average)	Condition (Text)	Risk (Weighted Average)	Risk (Text)	Replacement Cost
Concrete	10,136.0	7	Good	1	Low	\$5,840,790
Corrugated Steel	741.2	1	Very Poor	3	High	\$330,590
HDPE	143.6	4	Average	2	Moderate	\$50,260
Poly Vinyl Chloride	1,164.6	9	Very Good	1	Low	\$408,470
Total	12,185.4	7.4	Good	1.4	Low	\$6,630,110

Table 2.3: Storm Water Catchment Devices

Asset Type	Number	Condition (Weighted Average)	Condition (Text)	Risk (Weighted Average)	Risk (Text)	Replacement Cost
Manhole	160	6.4	Good	1.7	Moderate	\$3,710,000
Catch Basin	305	8.2	Very Good	1.2	Low	\$2,963,000
Double Catch Basin	46	8.8	Very Good	1.1	Low	\$532,000
Double Ditch Catch Basin	22	6.6	Good	1.7	Moderate	\$216,000
Ditch Catch Basin	54	8.8	Very Good	1.1	Low	\$388,000
Yard Catch Basin	21	6.9	Good	1.5	Moderate	\$172,000
Total	608	6.9	Good	1.50	Moderate	\$7,981,000

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Figure 2 Inventory of Catch Basins & Outlets in Rural Areas



0 1 2
Kilometers
0 1 2
Miles

Datum: North American 1983 CSRS
 Coord. System: NAD 1983 CSRS UTM Zone 17N
 Projection: Transverse Mercator
 Central Meridian: 81°00.00'W
 False Easting: 500,000m
 False Northing: 0m
 Scale Factor: 0.99960

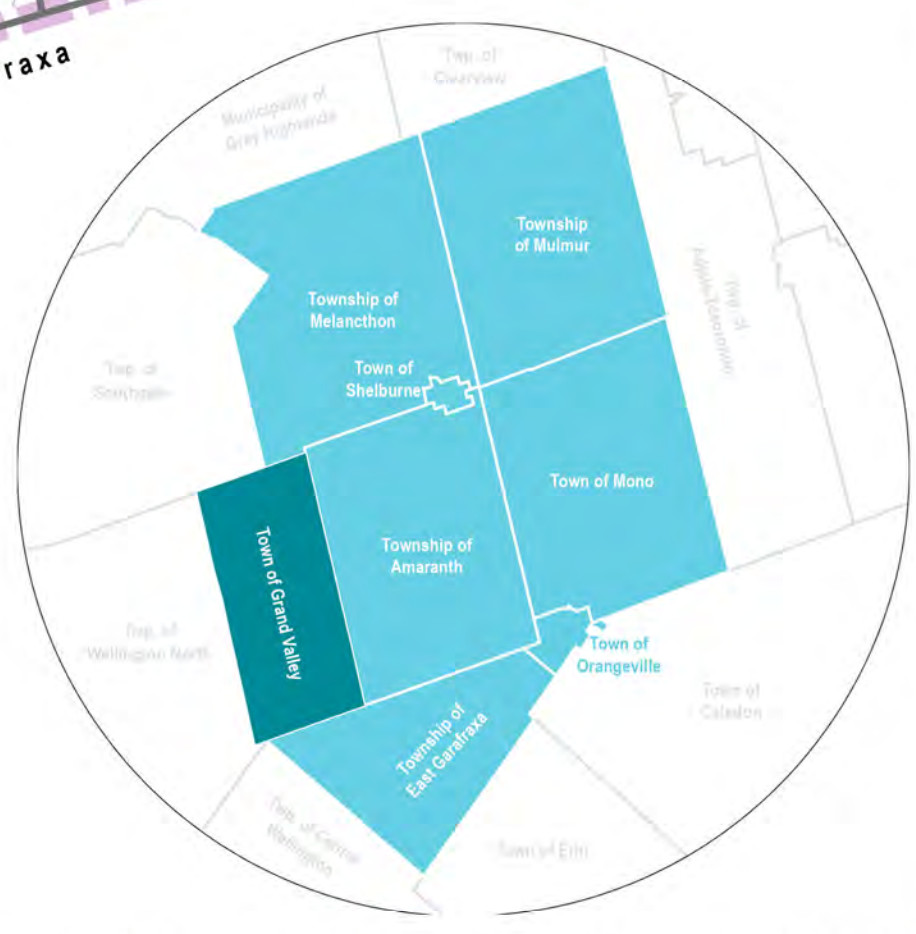
Notes:
 1. The assets on this map were located during an inspection conducted in the summer of 2022 and only include assets owned by the Town of Grand Valley along municipal roads.

Sources:
 1. Ministry of Natural Resources, © Queen's Printer for Ontario
 2. Natural Resources Canada © Her Majesty the Queen in Right of Canada.

Disclaimer:
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This map is the product of a Geographic Information System (GIS). As such, the data represented on this map may be subject to updates and future reproductions may not be identical.

- Catch Basin
- Outfall
- Weather Station
- Pit (Authorized)
- Communication or Meteorological Tower
- Wind Turbine
- Power Transmission Line
- Road Sections (By Surface Type)
- Trail
- County Boundary
- Municipal Boundary
- Geographic Township Boundary
- Lot Boundary
- Wetland
- Waterbody
- Watercourse
- Ground Elevation Contour (2.5m Interval Derived from LIDAR)
- Conservation Lands
- Wooded Area
- Plantation



Storm Water Asset Management Plan

Figure 3 Inventory of Culverts, Catch Basins & Outlets in Urban Area

Culvert Rated by Condition

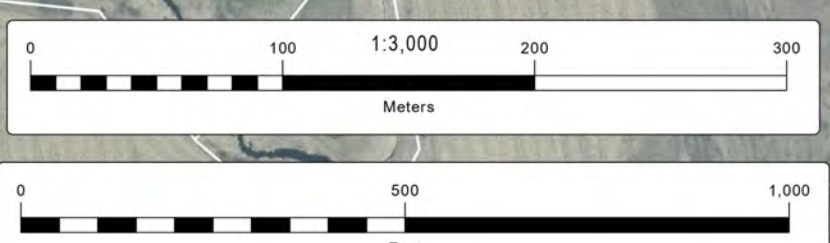
- Very Good Condition
- Good Condition
- Fair Condition
- Poor Condition
- Condition Could Not Be Assessed

Other Storm Water Management Assets

- ✕ Catch Basin
- ▲ Outfall



Datum: North American 1983 CSRS
 Coord. System: NAD 1983 CSRS UTM Zone 17N
 Projection: Transverse Mercator
 Central Meridian: 81°0'0.00"W
 False Easting: 500 000m
 False Northing: 0m
 Scale Factor: 0.99960



Notes:

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2.5 Crossroad Culverts

Crossroad culverts total \$1.2 million and 7.3% in asset replacement cost of storm water assets owned by the Town. Crossroad culverts are key to ensuring that water stays away from the Town's road bases and therefore maintain more solid foundation for the road surface. This is particularly important during extreme weather events which produce large volumes of rain over a short period of time.

The field inspections of Town crossroad culverts were scheduled for the Spring of 2022, before the roadside grasses made it more difficult to locate. Burnside created a data collection form using Fulcrum Inc. tool. Figure 2.5 shows an example of the data collection tool results. This field data app integrates a GIS database and map so that the field teams can quickly locate via tablet / cell phone internal GPS, record the necessary information via simple form and attach photos to the location point. The Town will be provided a copy of the field app with the recorded data (for future use the Town will need to purchase a Fulcrum license – a digital output will be made available for the Town). Figure 2.6 shows the types of reports that can be accessed online. These online reports provide the location and identified condition, as well as photos taken at the site. During these investigations, 69 additional crossroad culverts were recorded that were not initially part of the Town's crossroad culvert inventory. The following information was collected during the field investigations:

- Location;
- Condition (relative Very Good, Good, Fair, Poor, Very Poor);
- Length (m);
- Diameter (m);
- Material; and
- Photo.

Figure 2.5: Example of Fulcrum Field App Data

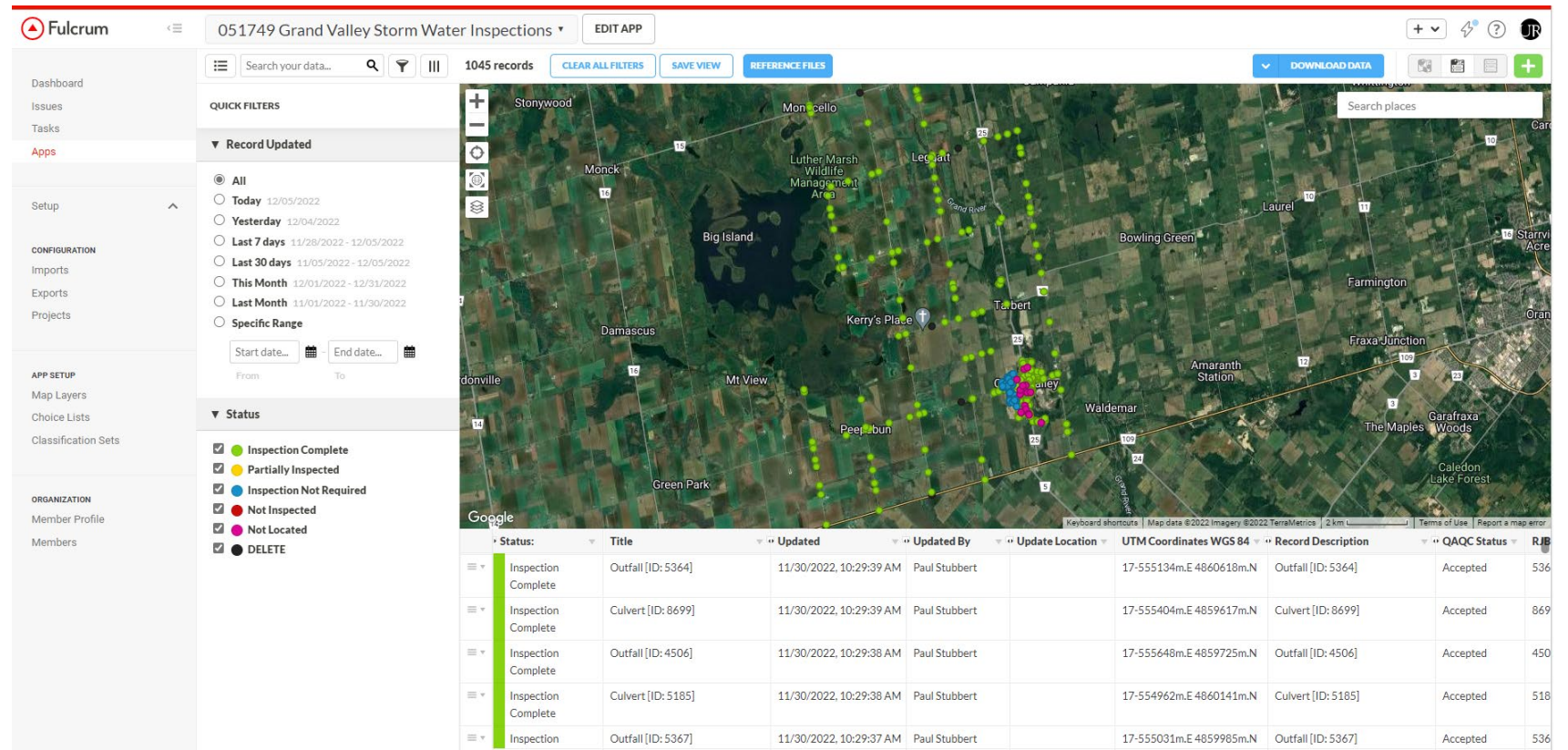


Figure 2.6: Fulcrum Sample Output Report



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Figure 2.7 provides a map showing the locations and identified conditions of the Town's rural crossroad culverts. Crossroad culverts in the Town's urban area are found on Figure 2.3.

Table 2.4 provides the breakdown of material type for the Town's crossroad culverts. As the majority are located in the rural area of the Town, the most cost-effective material has been corrugated steel pipes. The Town is replacing these culverts in some cases with HDPE material to ensure a longer useful life and lower lifecycle cost.

Table 2.4: Crossroad Culvert Material Breakdown

Crossroad Culvert (Material)	Number	Replacement Cost
Corrugated Steel	207	\$1,139,137
HDPE	8	\$39,720
Concrete	8	\$47,060
Total	223	\$1,225,917

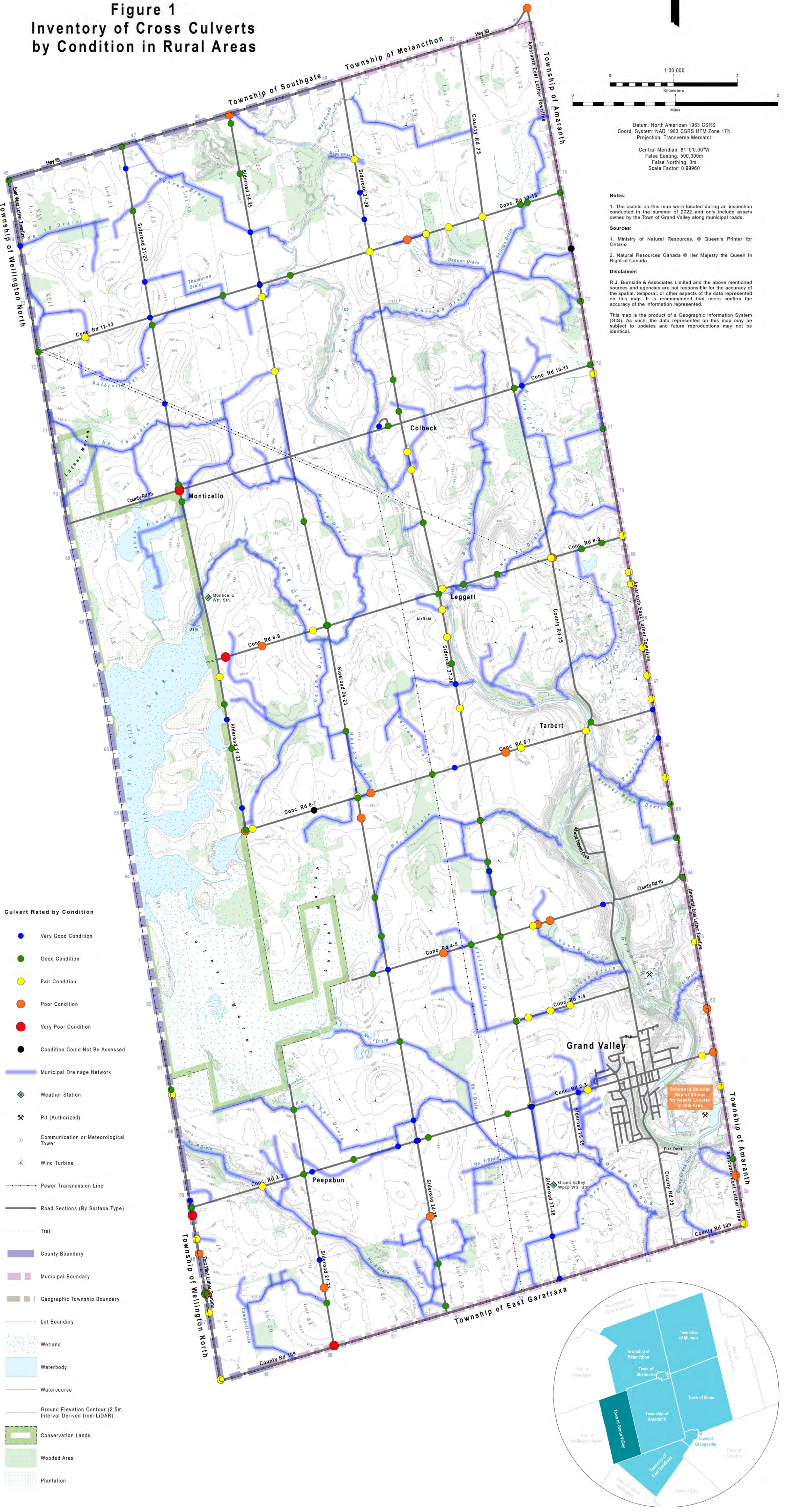
Based on the inspected conditions and replacement costs, a proposed investment breakdown into replacing crossroad culverts is found below in Table 2.5.

Table 2.5: Crossroad Culvert Investment Plan

Replacement Timing	Investment Required
Now	\$20,000
1-5 Years	\$17,500 / Year
6-10 Years	\$17,500 / Year

Storm Water Asset Management Plan

Figure 1
Inventory of Cross Culverts
by Condition in Rural Areas



North Arrow

Scale: 1:30,000

0 1 2 Kilometers

0 1 2 Miles

Datum: North American 1983 CSRS
 Coord. System: NAD 1983 CSRS UTM Zone 17N
 Projection: Transverse Mercator
 Central Meridian: 81°00'00"W
 False Easting: 500,000m
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Sources:

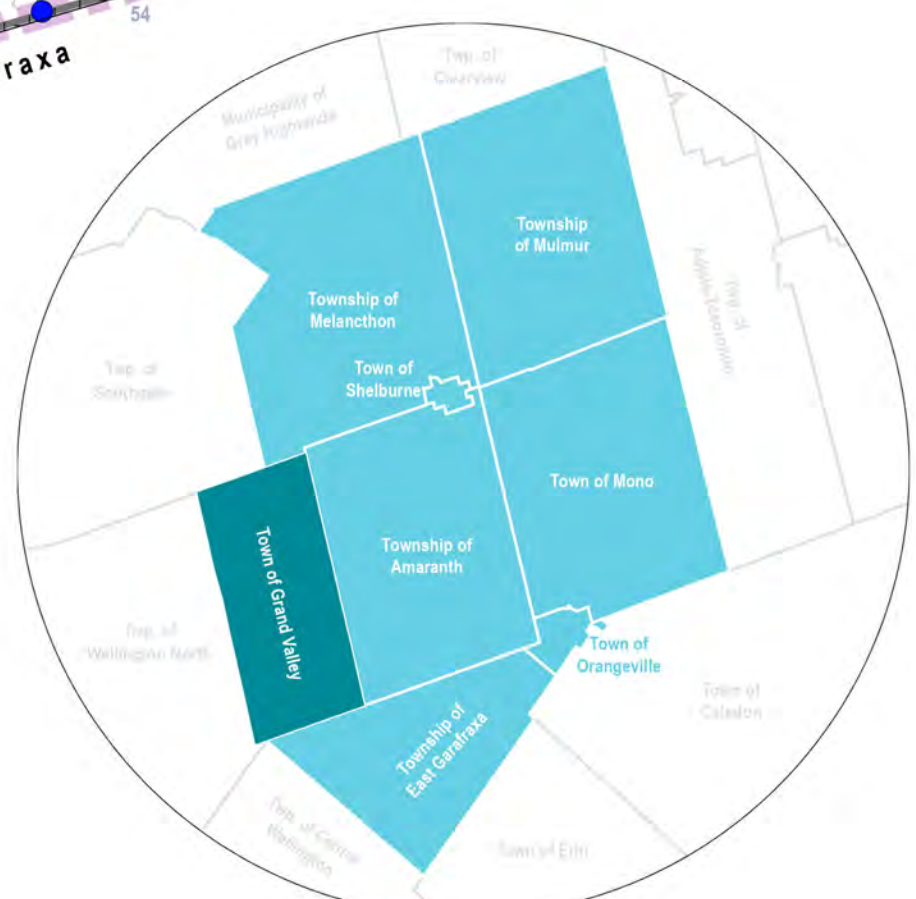
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- Culvert Rated by Condition**
- Very Good Condition
 - Good Condition
 - Fair Condition
 - Poor Condition
 - Very Poor Condition
 - Condition Could Not Be Assessed
- Other Symbols:**
- Municipal Drainage Network
 - Weather Station
 - Pit (Authorized)
 - Communication or Meteorological Tower
 - Wind Turbine
 - Power Transmission Line
 - Road Sections (By Surface Type)
 - Trail
 - County Boundary
 - Municipal Boundary
 - Geographic Township Boundary
 - Lot Boundary
 - Wetland
 - Waterbody
 - Watercourse
 - Ground Elevation Contour (2.5m Interval Derived from LIDAR)
 - Conservation Lands
 - Wooded Area
 - Plantation



2.6 Storm Ponds and Discharge Points

The Town has four Stormwater Management Facilities including two Oil / Grit Separators that the Town owns and maintains. Storm ponds, Oil / Grit Separators, and discharge headwalls only account for \$0.9 million of Town-owned storm water assets, however they are critical to reducing damages caused by extreme weather events in developed areas. Therefore, inspecting and maintaining good functioning storm ponds and discharge points is important. There are other storm pond facilities within the Town that are located within unassumed subdivisions. These unassumed facilities will eventually be maintained by the Town, however, for the purpose of the report we have only included facilities where the Town is responsible for maintenance.

2.6.1 Storm Ponds

A summary of the Town's stormwater management facilities is included in Table 2.6. Estimated cleanout costs are based on annual sediment loadings provided in Table 6.3 in the MECP Stormwater Management (SWM) Planning & Design Manual. As the ponds have not been in place for a long time, there has not been an opportunity to refine frequencies based on actual monitoring of the facilities over time. Annual sediment loadings can vary based on a number of factors such as frequency of catch basin sump cleanouts or the need of sanding the roadway in the wintertime. As the Town maintains these facilities over the years, the cost for cleanouts will decrease slightly as the Town will have practice coordinating the works and have tenders that could be reproduced for future cleanouts.

Table 2.6: Storm Pond Management Facilities Summary

Storm Pond Facility	Maintenance	Additional Notes
Taylor Dr. Wetland SWM Facility - Constructed 2013 - Assumed 2019	Estimated Forebay / Main Pond Cleanout: Expected every 7 years pending annual inspection results. Estimated cost of \$126,000.	Facility was constructed as part of the Mayberry Phase 1 Subdivision. It also accepts stormwater from Mayberry Phase 3A Subdivision currently under development.
Taylor Dr. Wetland SWM Facility - Constructed 2013 - Assumed 2019	SWM facility last cleaned in August 2018 by the Developer. Next cleanout is also required to be completed by the Developer as new development (Mayberry Phase 3A contributes to the Phase 1 pond).	Facility was constructed as part of the Mayberry Phase 1 Subdivision. It also accepts stormwater from Mayberry Phase 3A Subdivision currently under development.

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Storm Pond Facility	Maintenance	Additional Notes
Ritchie Drive Wetland SWM Facility - Constructed 2015 - Assumed 2021	Estimated Forebay Cleanout: Expected to require cleanout every 8 years pending actual inspection results. Estimated cost of \$165,000.	Facility was constructed as part of the Mayberry Hill Phase 2 Subdivision.
Ritchie Drive Wetland SWM Facility - Constructed 2015 - Assumed 2021	Estimated Main Pond Cleanout: Expected to require cleanout every 4 years pending actual inspection results. Estimated cost of \$115,000.	The facility has a backup cell (easterly dry cell) which acts as emergency storage facility should the drainage outlet from the main facility be obstructed.
Asset ID 5278 WWTP Wet Pond SWM Facility Constructed 2012	Estimated Forebay Cleanout: Expected to require cleanout every 9 years pending annual inspection results. Estimated cost of \$48,000.	No cleanouts have been completed.
Asset ID 5278 WWTP Wet Pond SWM Facility Constructed 2012	Estimated Main Pond Cleanout: Expected to require cleanout every 68 years pending annual inspection results. Estimated cost of \$73,000.	No cleanouts have been completed.
Asset ID 3885 Mount Haven Crescent – Wetland SWM Facility - Constructed 2005 - Assumed 2012	Forebay: Expected to require cleanout every 35 years pending annual inspection results. Estimated cost of \$92,000.	No cleanouts have been completed.
Asset ID 3885 Mount Haven Crescent – Wetland SWM Facility - Constructed 2005 - Assumed 2012	Main Pond: The frequency of the main pond cleanout is unknown due to the very low imperviousness of the subdivision. Cleanout of the main pond is expected to be a rare occurrence so long as the forebay cleanouts are maintained.	No cleanouts have been completed.

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Typical storm pond maintenance includes the following:

- **Grass Cutting:** It is generally recommended that grass-cutting be limited or eliminated around stormwater management facilities since allowing the grass to grow tends to enhance water quality. For example, short grass, especially around wet SWM ponds, can attract geese which you want to discourage, thereby keeping the grass longer is advantageous. Grass cutting is recommended along the edges of the maintenance access routes and along the boundary of the property. This would generally be completed 1-2 times a year. If grass cutting is being completed in other areas, it is generally for the perceived aesthetics of the facility. If the municipality chooses to undertake additional grass cutting, they should still maintain a distance away from the permanent pool to direct grass cuttings upland. Some precaution should be taken if significant grass cutting is occurring to ensure grass clippings do not clog structures.
- **Trash Removal:** Trash removal is important as there is a potential track that could block outlet devices which will restrict the appropriate function of the pond. Generally, a 'spring cleanup' occurs at the facilities and an additional check in the fall is recommended prior to the winter season commencing.
- **Weeding:** Weeds are undesirable in stormwater management facilities. If weeding is required to remove an invasive species for example, it should be done by hand to prevent the destruction of surrounding vegetation. Never use herbicides or insecticides near stormwater management facilities. The use of fertilizer is also not recommended and should be minimized if it's use is deemed essential.
- **Sediment Removal:** This is the costliest item associated with maintenance of stormwater management facilities. It involves cleaning out the facilities to remove the build-up of sediment.

Inspections generally occur once per year, unless it has been determined that additional inspections are required. Questions to consider when inspecting the facilities have been copied into Table 2.7 below from Table 6.2 in the MECP Stormwater Management Planning and Design Manual.

Burnside, as part of the Consolidated Linear Infrastructure Environmental Compliance Approval that the Town will be issued shortly, requires detailed Operation and Maintenance Manuals. Burnside intends to provide the Town a consolidated manual with procedures that provide better direction on how to complete the inspections which will be specific to each facility, and stakes / other markers that can be added to facilities to aid in completing the inspections. The manual is intended to provide step-by-step procedures on how to complete the tasks.

Table 2.7: Storm Pond and Oil / Grit Separator Inspection Questions

Wet Ponds and Wetlands	Oil / Grit Separators
<p>1. Is the pond level higher than the normal permanent pool elevation > 24 hours after a storm (or other design detention time)? (This could indicate blockage of the outlet by trash or sediment. Visually inspect the outlet structure for debris or blockage.)</p>	<p>1. Is there sediment in the separator? (The level of sediment should be measured using a graduated pole with a flat plate attached to the bottom. The pole should be graduated such that the true bottom of the separator compared to the cover / grate is marked for comparison.)</p>
<p>2. Is the pond level lower than the normal permanent pool elevation? (This could indicate a blockage of the inlet. Visually inspect the inlet structure for debris or blockage.)</p>	<p>2. Is there oil in the separator? (A visual inspection of the contents should be made from the surface for trash / debris and / or the presence of an oil / industrial spill. An oily sheen, frothing or unusual colouring to the water may indicate the occurrence of an oil or industrial spill. The separator / catch basin should be cleaned in the event of spill contamination.)</p>
<p>3. Is the vegetation around the pond unhealthy or dying? (This could indicate a poor selection of species. If occurs chronically further analysis should be conducted to identify the cause.) Is the pond all open water (no bulrushes or vegetation in the water)? Are there areas around the pond with easy access to open water? (This will indicate a need for replanting the pond)</p>	
<p>4. Is there an oily sheen on the water near the inlet or outlet? Is the water frothy? Is there an unusual colouring to the water? (This may indicate the occurrence of an oil or industrial spill and the need for cleanup.)</p>	
<p>5. Check the sediment depth in pond. (This will indicate the need for sediment removal. The sediment depth can be checked using a graduated pole with a flat plate attached to the bottom. A marker (pole, buoy) should be placed in the pond to indicate the spot(s) where a measurement should be made. A visual inspection on the pond depth can also be made if the pond is shallow and a graduated marker is located in the pond.)</p>	

2.6.2 Discharge Headwalls and Oil / Grit Separators

The field inspectors had some difficulty finding a few previously identified storm water discharge points (from GIS data). Some may have been covered up with soil, rocks, or debris and could not be located. Others may be submersed under water and could not be found. However, the majority were found and reported on. From the notes recorded by the field inspectors, it is recommended that the Town make an annual Spring inspection and cleanout of these discharge points to ensure there is no blockage to storm water flows.

2.7 Grand Valley Municipal Drains

Municipal drains operate under the Ontario Drainage Act and require the municipality to hire a Drainage Superintendent that manages these drains, which are located across the municipality. Grand Valley has 169.4 km of municipal drains. 37.3 km of the drains are identified as closed drains, and 132.1 km are defined as open drains. Figure 2.7 shows the Town's Municipal Drainage Network.

As Municipal drains are owned by the landowners through whose property they flow, the Town has responsibility to manage the drains and pay for maintaining the drains that cross the Town's property, which is mostly along roadways. The Town-owned drainage assets are reported on in this Storm Water Asset Management Report.

2.8 Asset Condition

Each asset was tracked based on estimated total useful life and remaining service life. Using this data, staff information, and age analysis of the Town's assets assisted in identifying potential areas of focus where inspected asset condition was not available. We want to state that asset condition is always best defined via engineering best practices. Engineering based condition assessments can provide more realistic estimates of an asset's remaining service life, which can then be used to establish asset rehabilitation and / or replacement schedules. Age related condition values can be problematic if the asset's useful life is not appropriately defined. For example, if a useful life of an asset is defined shorter than the assets true performance, this will result in a lower / poorer age assessed condition rating. This method of condition approximation was only used when inspected, or when staff commented conditions were not available.

A rating out of 10 was established for all assets and was based on a combination of past reported physical inspections, current inspections, staff assessment, and asset age analysis. This rating was then converted to a condition description of "Very Good" to "Very Poor" as shown in Table 2.8.

Table 2.8: Asset Condition Format for all Assets

Condition (Value 0-10)	Condition
8 – 10	Very Good
6 - 7	Good
4 - 5	Average
2 - 3	Poor
0 - 1	Very Poor

The condition of the assets is an important element of any lifecycle assessment process. This process also identifies maintenance and operating practices that can be applied to ensure appropriate service levels, as well as extending the life of the asset to its maximum service life.

A high-level summary of the average conditions for the Town's storm water assets is shown in Table 2.1. The conditions listed in Table 2.1 were calculated using weighted average conditions. The weighting factor used was the asset replacement costs so that the greater the cost, the greater the weighting of that asset's condition used to determine the average. Using this method provides more emphasis on the more expensive to replace assets. However please note that averages are a composition of many assets in a group. Averages can be misleading with respect to immediate needs, as newly constructed assets offset the older assets requiring urgent replacement.

2.9 Data Accuracy and Completeness

An important element of this storm water asset management plan is ensuring that tools and procedures are in place to maintain accuracy and completeness of the asset data and calculations moving forward. As time passes, assets are used, maintained, improved, disposed of, and replaced. All of these lifecycle events can trigger changes to the asset database used within the asset management plan. Therefore, tools and procedures are essential to ensure the asset data remains accurate and complete.

3.0 Expected Levels of Service

The Town has been offering and maintaining good service levels, during challenging economic times for its residents and visitors. The Province has demanded via Ontario Regulation 588/17 that municipalities complete asset management plans on a regular basis to ensure that appropriate investments are being made in municipal infrastructure. Reviewing past records has shown that large investments were being made into maintaining and replacing the Town's infrastructure. An example of this is the current road and utility infrastructure improvements occurring along the southern part of Emma Street. The last few years have seen much improvement with greater investments in Town infrastructure. It is important to note that the long-term objective of the Town needs to be infrastructure sustainability. In general, the Town is performing maintenance activities when required.

3.1 Scope and Process

A levels of service (LOS) analysis gives the Town an opportunity to document the levels of service that are currently being provided and compare it to the levels of service that will ensure the assets achieve their full lifecycle potential. This can be done through a review of current practices and procedures, an examination of trends or issues facing the Town, and / or through an analysis of performance measures and targets that staff can use to measure performance.

Expected LOS can be impacted by several factors, including:

- Legislative requirements (e.g., minimum maintenance standards for roads, water, wastewater guidelines, etc.);
- Strategic planning goals and objectives;
- Resident expectations;
- Visitor expectations;
- Council expectations; and
- Financial or resource constraints.

The previous task of determining the state of the Town's local infrastructure establishes the asset inventory and condition, as well as asset management policies and principles to guide the refinement and upkeep of asset infrastructure. The LOS analysis utilizes this information and factors in the impact of asset service level targets. It is important to document an expected LOS that is realistic to the community. It is common to strive for the highest LOS; however, these service levels usually come at a cost. It is also helpful to consider the risk associated with a certain LOS. Therefore, expected LOS should be determined in a way that balances both level of investment and associated risk to the Town.

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Burnside received verbal confirmation of maintenance practices that the Town staff perform. We recommend that the Town revisit and update the crossroad culvert inspections every 10 years. This will provide historic condition information as well as information related to any changes to asset maintenance. This will also help better determine the remaining life of the municipality's crossroad culvert assets.

This information will help not only identify the current needs, but also future requirements due to LOS changes. Ensuring that appropriate levels of service are determined and recorded helps during the Town's current rapid growth.

3.2 Current Levels of Service versus Expected Levels of Service

The Town's current LOS has resulted in the current state of infrastructure as discussed in the previous section of the report. The current LOS also relates to the risk assessment discussed in later report sections. The Town is doing well with delivering levels of service, as only \$16,000 per year was identified as additional cost to deliver identified expected levels of service for storm water assets. With the addition of relatively new storm water ponds, additional inspections completed by staff and pond cleanout costs have been identified in the section above.

Table 3.1 outlines broad LOS descriptions (both current and enhanced LOS). This analysis was noted through discussions with the Town's staff and engineering best practices. Based on the information provided there are a few enhanced maintenance related LOS identified.

Table 3.1: Expected Levels of Service

Expected Strategic LOS	Current LOS	Expected LOS	Benchmark (if Applicable)	Current Cost of LOS	Estimated Cost to Move to Expected LOS	Cost Description
Effective Storm Water Management	Investigate and respond based on public complaints/concerns	Proper flows and clear system with little to no inhibitors	No storm water back-up incidents			Municipality delivers this Level of Service well
Cross Road Culverts are Appropriately Sized and Maintained	Cross Road Culverts are replaced when required	Climate Change and/or Extreme Weather events do not cause adverse issues with the Municipal road network		\$15,000	\$17,500	Cross road culverts are replaced when required. It is recommended that further study look into the assessment of the size of the cross road culverts to withstand extreme weather events to ensure Road Bases are secure.
Catch Basins are clear and well Maintained	Catch Basin cleaning every three years	Annual Catch Basin cleaning		\$3,000 every three years	\$5,000 every three years	With the limited number of catch basins and location in the area of the Municipal Office it is considered that this LOS is being completed.
Oil/Grit Separators are clear and well Maintained	Oil / Grit Separators cleaned every 6 years	Oil / Grit Separators are well maintained and cleaned as required			\$11,000 every six years	Municipality is just taking on this new maintenance action and expected for cleaning in 2024 and then in 2030 etc.
Storm Water Outfalls clear and well Maintained	Investigate when issues arise	Regular inspection for condition and no physical obstructions			\$1,500	Recommend annual inspection in the Spring and clean out
Storm Water Mains are clear and well Maintained	No identified issues	Regular inspection for condition and no physical obstructions			\$10,000	Municipality delivers this Level of Service. More CCTV scanning is recommended to ensure aging corrugated steel pipe areas are in good condition with no obstructions.
Storm Ponds are well Maintained	Inspections conducted annually	Storm Ponds are inspected annually and cleaned out as required			\$115,000/4 years and \$165,000/8 years	This Level of Service is new to the Town and will need to be planned for and managed appropriately
Municipal Drains are well Managed and Maintained	Drainage Superintendent responds to Land Owner concerns and follows Ontario Drainage Act	Drainage Superintendent responds to Land Owner concerns and follows Ontario Drainage Act	Follow Ontario Drainage Act	\$15,000	\$15,000	Municipality delivers this Level of Service.

3.3 Town Growth

The Town continues to grow at one of the highest rural rates across the Province. As such, it is important to recognize that as this rapid growth continues that the Town will need to invest in more equipment and staff to maintain appropriate asset service levels. As an example, Table 3.2 outlines the potential growth over the next ten years. Please note that the information is not fully approved, only preliminary, and does not have all the asset types identified.

Table 3.2: Current Identified Potential Growth

Development	Storm Water Gravity Main (m)	Storm Water Manhole	Catch Basin	Storm Ponds
Corseed	1,150	25	14	1
Moco	2,322	46	50	1
Mayberry 3a	1,178	23	37	
Mayberry 3b	1,950	34		1
Rivers Edge	1,100			2
Total	7,700	128	101	5

With such rapid growth, the Town must not forget the older assets that will require improvements / replacement to maintain good levels of service.

4.0 Asset Management Strategy

4.1 Scope and Process

The asset management strategy provides the recommended course of actions required to maintain (or move towards) a sustainable asset position while delivering the levels of service discussed in the previous section. The courses of action, when combined, form a long-term operating and capital forecast that includes:

- **Non-infrastructure solutions:** Reduce costs and / or extend expected useful life estimates;
- **Maintenance activities:** Regularly scheduled activities to maintain existing levels of service levels, or repairs needed due to unplanned events;
- **Renewal / Rehabilitation:** Significant repairs or maintenance planned to maintain the levels of service and increase the remaining life of assets; and
- **Replacement / Disposal:** Complete disposal and replacement of assets when renewal or rehabilitation is no longer an option.

Priority identification becomes a critical process during the development of an asset management strategy. Priorities have been determined based on assessment of the overall risk of asset failure, which is determined by looking at both the probability of an asset failing, as well as the consequences of asset failure. The consequences of the municipality not meeting desired levels of service must also be considered in determining risk. As discussed in Section 3.0, adding enhanced levels of service results in both operating and capital budget impacts over the 10 year forecast period. This has to be taken into consideration, with the overall objective of reaching sustainable levels while mitigating risk.

4.2 Risk Assessment

The risk of an asset failing is defined by the following calculation:

Risk of Asset Failure = Probability of Failure x Consequence of Failure

Probability of failure has been linked to the condition assessment for each asset, if an asset in “very good” condition it has a “rare” probability of failure. The table below outlines the probability factor tied to each condition rating.

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Table 4.1: Probability of Failure Matrix

Condition (Value)	Condition	Probability of Failure
8 – 10	Very Good	Rare
6 – 7	Good	Unlikely
4 – 5	Average	Possible
2 – 3	Poor	Likely
0 – 1	Very Poor	Almost Certain

Consequence of failure has been determined by examining each asset type separately. Consequence refers to the impact on the municipality if a particular asset were to fail.

Types of impacts include the following:

- **Cost Impacts:** The cost of failure to the Town (i.e., capital replacement, rehabilitation, fines and penalties, damages, etc.);
- **Social impacts:** Potential injury or death to residents / public;
- **Environmental impacts:** The impact of the asset failure on the environment; and
- **Service delivery impacts:** The impact of the asset failure on the Town's ability to provide services at desired levels.

Each type of impact was reviewed, and consequence of failure for each asset type was determined by using the information contained in Table 4.2 as a guide to assess the level of impact. Levels of impact were documented as ranging from "significant" to "insignificant".

Table 4.2: Consequence of Failure Matrix

	Cost	Social	Environmental	Service Delivery
Significant	Significant Cost – Difficult to Recover	Death, Serious Injury	Long-term Impact – Permanent	Major Interruptions
Major	Substantial Cost – Multi-year Budget Impacts	Major Injury	Long-term Impact – Fixable	Significant Interruptions
Moderate	Considerable Cost – Requires Revisions to Budget	Moderate Injury	Medium-term Impact – Fixable	Moderate Interruptions
Minor	Small / Minor Cost – within Budget Allocations	Minor Injury	Short-term / Minor Impact – Fixable	Minor Interruptions
Insignificant	Negligible or Insignificant Cost	No Injury	No Impact	No Interruptions

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With both probability of failure and consequence of failure documented, total risk of asset failure was determined using the matrix contained in Table 4.3. Total risk has been classified under the following categories:

- **Extreme Risk (E):** Risk beyond acceptable levels.
- **High Risk (H):** Risk slightly beyond acceptable levels.
- **Medium / Moderate Risk (M):** Risk at acceptable levels, monitoring required to ensure risk does not become high.
- **Low Risk (L):** Very little risk.

Table 4.3: Total Risk of Asset Failure Matrix

Probability of Failure	Consequence of Failure				
	Significant	Major	Moderate	Minor	Insignificant
Almost Certain	Extreme	Extreme	High	High	Moderate
Likely	Extreme	High	High	Moderate	Moderate
Possible	High	High	Moderate	Moderate	Low
Unlikely	High	Moderate	Moderate	Low	Low
Rare	Moderate	Moderate	Low	Low	Low

Risk levels can be reduced or mitigated through planned maintenance, rehabilitation and / or replacement of an asset. An objective of this storm water asset management plan is to identify ways to reduce risk levels where they are deemed to be too high, as well as ensure assets are maintained in a way that keeps risk at acceptable levels.

4.3 Priority Identification

Through a review of the asset risk of failure assessment, the assets / categories listed below were identified as being priorities of the Town for over the next few years. These lists of capital asset improvements / replacements are only for the next few years, and do not limit the needs that the Town requires to become fully sustainable.

- **Storm Water Mains** – There are some old storm mains located in parts of the Town that have exceeded or are coming to exceed their identified useful lives. Our project models have identified approximately \$300,000 in replacement cost for the replacement of these storm water mains. Replacing storm water mains usually only takes place when a road surface needs replacing. A portion of the storm water main segments are part of the current Emma Street reconstruction project. To ensure that appropriate coordination is undertaken, it is our recommendation that the Town complete storm main CCTV scans for these sections of pipe to be able to project a more accurate condition and coordinated replacement year. Cost for an annual CCTV scans is estimated at \$10,000 per year.

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- Crossroad Culverts – As noted above, the Town diligently has been replacing crossroad culverts annually. Based on the inspections completed during this project it is recommended that the Town slightly accelerate this activity from \$15,000 to \$17,500 annually to reduce some of the Town's risk. This will also help ensure that the Town's road bases are protected from storm water infiltration / washout.
- Storm Ponds – Most of the Town's Storm Ponds have been constructed within the last 10 years, but have only been assumed by the Town in the last few years. Before assuming the storm pond assets, the developer is responsible to have them cleaned out. This means that the Ritchie Drive Pond will need to be cleaned out in 2025 – the approximate cost of which \$115,000.
- Oil / Grit Separators – Need to be cleaned out every 5-7 years to ensure they work appropriately. These two assets need to be cleaned out in 2025 – the approximate cost of which is \$11,000.
- Improving the storm sewer network has been an important priority to reduce extraneous flows that have been observed entering the sanitary sewer system. The storm water Inflow and groundwater Infiltration Study Report prepared by Burnside dated July 2009 is used as a reference to determine the areas where extraneous flows are observed and where storm sewer improvements would be beneficial for the Town's wastewater treatment plant. By making improvements, it ensures groundwater sources from foundation drainage are directed to a storm sewer system rather than a sanitary sewer which takes up capacity at the treatment plant. The report identified the Riverhill subdivision as an area where higher extraneous flows were observed. Since 2017, work has focused in this area, and thus far storm sewers / services were added on Baker Court, Crozier Street, and Spruyt Avenue. The next project in this subdivision that is slated for improvements is Luther Road. Pending Council approval, we anticipate construction of this project in 2024. Other areas where higher flows were observed were Main Street and Amaranth Street, west of Main Street. Several other streets in Grand Valley have extraneous flows, and any road reconstruction project that is planned, takes into consideration the information in the report to determine whether storm sewer work should be included. It is a costly undertaking to complete the work given the complexities with working around existing utilities and infrastructure in place, as well as working on private property to provide the storm sewer connections.
- There are some roads in Grand Valley that do not have storm sewers and road catch basins. The majority of these roads are located across the Water Street Bridge (Cooper Street, George Street, Parkview Street, Main Street, River Street). As noted in the 2009 report, these roads do not contribute to the extraneous flows in the sanitary sewer system. The Town could consider these roads on a case-by-case basis in coordination with other future road reconstruction work. Scott Street which has no storm sewer has plans to be urbanized. There is an agreement in place with two other developers who are contributing to the storm sewer installation. The work is anticipated to be completed in 2023/2024 pending receiving regulatory approvals, and Council approval of to proceed to construction.

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- There is a shallow storm sewer on Emma Street that is sometimes prone to freezing, but can overland if necessary.

4.4 Long-term Forecast

For many years, lifecycle costing has been used in the field of engineering to evaluate the advantages of using alternative materials in construction or production design. The method has gained wider acceptance and used recently in the management of capital assets. Lifecycle costs are **all** the costs which are incurred during the lifecycle of a capital asset, from the time it is purchased or constructed, to the time it is taken out of service for disposal / replacement.

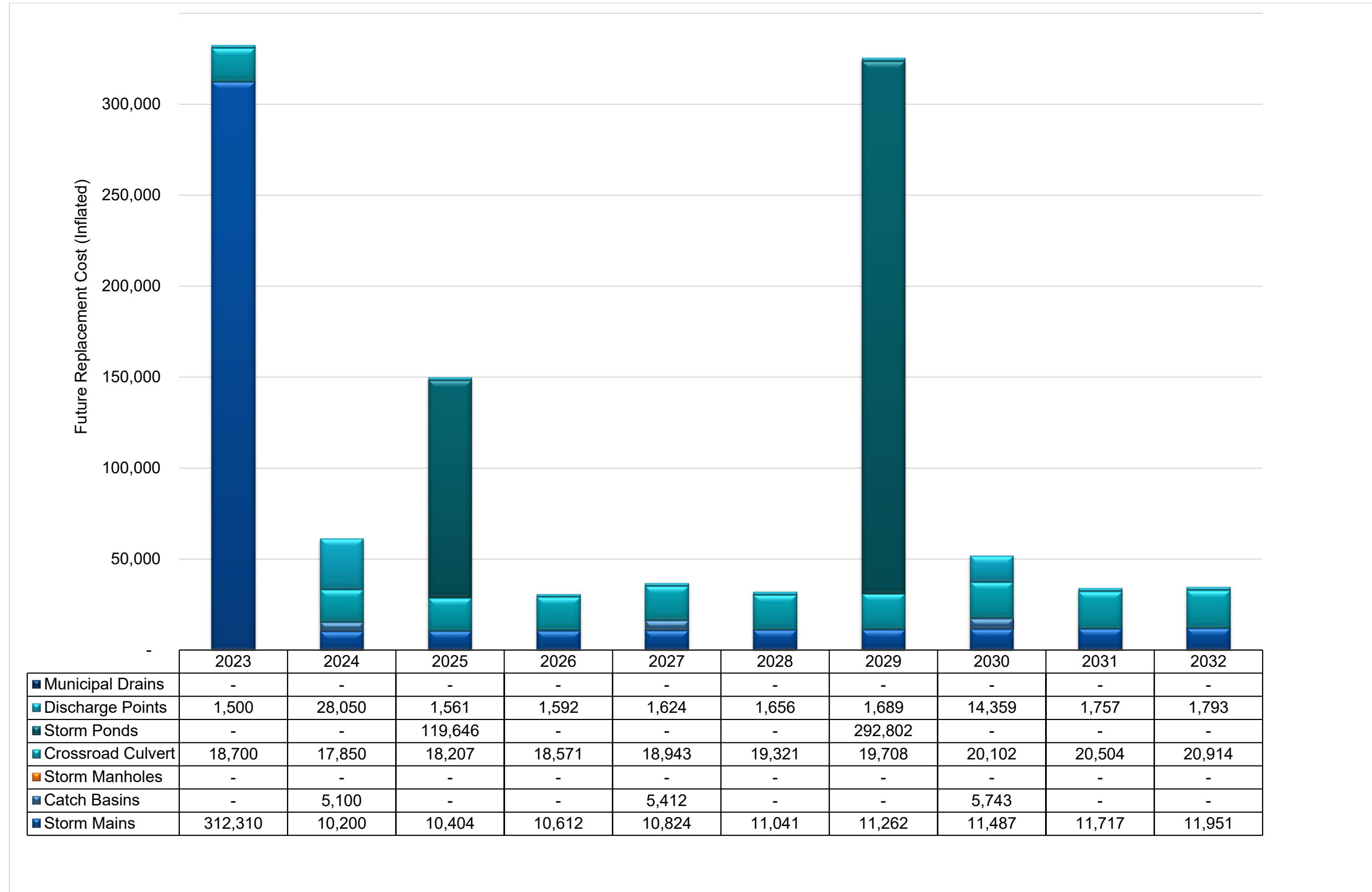
In defining the long-term forecast for the Town's storm water asset management strategy, costs incurred through an asset's lifecycle, the asset's condition, expected LOS, and risk were considered and documented. Storm water asset analysis in forecasting the Town's asset replacement needs is summarized in Figure 4.1, which we are calling Proposed Asset Strategy Based on Expected Levels of Service.

The asset strategy incorporated all the information discussed above in this report and based on the information provided by the Town, past reports, staff input, and understanding of the asset's reaction in their current environment as well as the expected asset maintenance levels, and the current asset condition, which is expected to produce a reduced asset potential risk of failure. The outcome of this approach was to provide appropriate asset service levels, and the assets were expected to meet or exceed their useful life which reduces expected infrastructure deficits. In total (all storm water assets), \$1.09 million in assets (inflated to appropriate year) are shown as maintenance, improvement, rehabilitation and replacement needs over the 10-year forecast. This is the recommended asset strategy for the Town of Grand Valley.

Assets like storm water manholes and catch basins are not expected to be replaced for usually over 75 years. It needs to be stated, to ensure that these assets have reserve funding for their rehabilitation / replacement schedule in the future.

For the recommended asset strategy to be feasible, the expected level of service adjustments discussed in Section 3.0 are needed in conjunction with the current level of service amounts to effectively maintain and rehabilitate the assets as required.

Figure 4.1: Proposed Asset Strategy Based on Expected Levels of Service



5.0 Recommendations

The following recommendations have been provided for the Town of Grand Valley's consideration:

- That this Storm Water Asset Management Plan be received by the Town of Grand Valley Council; and
- That consideration of this Storm Water Asset Management Plan be included as part of the annual budgeting process to ensure sufficient capital funds are available to fund storm water capital requirements over the 10-year period.

The current level of funding for asset replacement and renewal at the Town will not sufficiently fund required capital needs moving forward. As such, it is recommended that the following be considered:

- That the "levels of service" strategies discussed in this report be approved;
- The Town use capital reserves as the primary source of asset investment annually. Funds should flow from the operating budget to these reserves, which are then used to fund capital projects;
- The Town increase storm water asset management funding as outlined in Table 3.1;
- That this Storm Water Asset Management Plan be updated as per the Town's Asset Management Strategy Policy; and
- The Town consider the capital priorities identified within this report when applying for future grants or deciding on how to utilize Gas Tax, OCIF funding, and / or other funding that becomes available.

Key investment in asset capital needs will be required over the 10-year forecast period and beyond. Through the recommendations provided above, proactive steps need to be made to increase capital investment, as well as reduce the annual infrastructure funding gap for the Town's storm water assets. Enhanced maintenance plans will assist in maintaining adequate asset conditions, mitigate asset risk as well as potentially defer capital needs within the forecast period. In addition, the Town of Grand Valley is recommended to pursue all available capital grants wherever possible to further reduce the infrastructure funding gap.

Through the creation of this plan, the Town has been provided with Excel spreadsheets in which amendments and revisions can be made as needed by the Town. The Town has also been provided with access for a 3-month period to Fulcrum app to review the field data and photos. It is anticipated that this plan received by the Town of Grand Valley Council will be monitored and updated frequently as part of the asset management and budget process, with refinements and specific recommendations being provided with respect to the priority of each individual project.



BURNSIDE

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Appendix A

Municipality Asset Inventory & Asset Management Plan Assumptions

Storm/Sanitary - Discharge Point Inventory

Current Levels of Service
Replacement/Improvement Year Based on Current Levels Service

Fixed Asset #	Field ID	Asset Type / SubType	Asset Name	Location Description	Headwall Maerial	Pipe Material	Pipe Size (mm)	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost	Condition Based On Useful Life	Assessed Condition	Condition Used for Analysis	Inspection Condition Notes	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement (due to minimal maintenance practices)	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Year Replacement Applying Risk Score	Subsequent Replacement Year	Revised Remaining Useful Life
									100	81	19	\$645,000			8						1						
3318		DischargePoint - Outfall w/ Headwall	Concrete Headwall - Main Street	106 Main St.	Concrete	Concrete	400	1969	100	47	53	\$15,000	5	2	2	Outfall with headwall. Behind headwall is eroded	Poor	Likely	Moderate	H	3	2059	10	2069	2024	2124	3
3319		DischargePoint - Outfall w/ Headwall	Concrete Headwall - Main Street		Concrete	Concrete	1600	1969	100	47	53	\$15,000	5	7	7	Concrete outfall head wall, 1600mm concrete pipe in great condition.	Good	Unlikely	Moderate	M	2	2059	10	2069	2069	2169	48
3320		DischargePoint - Outfall w/ Headwall	Concrete Headwall - Ponsford Street					1969	100	47	53	\$15,000	5	7	7	Outfall, good condition.	Good	Unlikely	Moderate	M	2	2059	10	2069	2069	2169	48
3322		DischargePoint - Outfall w/ Headwall	Concrete Headwall - Water Street		Par of Retaining Wall	Corrugated Steel	1200	1968	100	46	54	\$30,000	5	7	7	1200mm outlet esp. below stone ret/wall, not sure of length and condition.	Good	Unlikely	Moderate	M	2	2058	10	2068	2068	2168	47
4246		DischargePoint - Outfall w/ Headwall	Concrete Headwall - Main Street South Bridge					1969	100	47	53	\$30,000	5	4	4	Outfall with headwall. Half full of material	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4424	4506	DischargePoint - Outfall w/ Headwall	STORM WATER HEADWALL - New Treatment Plant		Concrete	Concrete	450	2014	100	92	8	\$25,000	9	6	6	Concrete Headwall. Rip rap causing minor obstruction at outlet. Good condition otherwise. Could be 400 mm dia. Cannot get accurate measurement.	Good	Unlikely	Moderate	M	2	2104	10	2114	2114	2214	93
5592		DischargePoint - Outfall w/ Headwall	Thomasfield Outfall - William St.					2019	100	97	3	\$20,000	10	10	10		Very Good	Rare	Moderate	L	1	2109	10	2119	2119	2219	98
7466		DischargePoint - Outfall w/ Headwall	Storm Water Pond - Mayberry Hill Ph. 2 - Headwall (HW.1)					2015	100	93	7	\$10,000	9	10	10		Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7475		DischargePoint - Outfall w/ Headwall	Storm Water Pond - Mayberry Hill Ph. 2 - Headwall (HW.141)					2015	100	93	7	\$10,000	9	10	10		Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7486		DischargePoint - Outfall w/ Headwall	Storm Water Pond - Mayberry Hill Ph. 2 - Headwall (HW.100)					2015	100	93	7	\$30,000	9	10	10		Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7414		DischargePoint - Outfall w/ Headwall	Storm Water Pond - Mayberry Hill Ph. 2 - Headwall (HW.121)					2015	100	93	7	\$25,000	9	10	10		Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7715	8655	DischargePoint - Outfall w/ Headwall	Ritchie Drive Storm Water Headwall	21 Ritchie Dr	Concrete	PVC		2015	100	93	7	\$30,000	9	10	10	Concrete structure pvc pipe inside	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
		Oil/Grit Separator	Oil/Grit Separator - Melody Lane					2011	100	89	11	\$75,000	9		9		Very Good	Rare	Moderate	L	1	2101	10	2111	2111	2211	90
		Oil/Grit Separator	Oil/Grit Separator - Monty Avenue					2011	100	89	11	\$50,000	9		9		Very Good	Rare	Moderate	L	1	2101	10	2111	2111	2211	90
	4501	DischargePoint - Outfall w/ Headwall	Concrete Headwall - Water Street	1-11 Water St.	Concrete	Concrete	1200	2013	100	91	9	\$50,000	9	7	7	Concrete head wall outfall, 1200mm concrete pipe inside, good condition.	Good	Unlikely	Moderate	M	2	2103	11	2114	2114	2215	93
	4502	DischargePoint - Outfall w/ Headwall	Concrete Headwall to Storm Pond - Taylor Drive	53 Taylor Dr.	Concrete	Concrete	1200	2013	100	91	9	\$45,000	9	10	10	Out fall, 1200mm concrete pipe to south, 100 inlet hole north.	Very Good	Rare	Moderate	L	1	2103	12	2115	2115	2217	94
	4503	DischargePoint - Outfall w/ Headwall	Concrete Headwall to Storm Pond - Taylor Drive	71 Taylor Dr.	Concrete	Concrete	1350	2013	100	91	9	\$50,000	9	10	10	Concrete head wall, 1350 concrete pipe out falling to storm pond.	Very Good	Rare	Moderate	L	1	2103	13	2116	2116	2219	95
	4504	DischargePoint - Outfall w/ Headwall	Concrete Headwall - Water Street	173195-173199 Water St.	Concrete	Concrete	800	2013	100	91	9	\$25,000	9	10	10		Very Good	Rare	Moderate	L	1	2103	14	2117	2117	2221	96
	4507	DischargePoint - Outfall w/ Headwall	Concrete Headwall - Mill Street	33 Mill St.	Concrete	Concrete	900	1969	100	47	53	\$25,000	5	4	4	Can't see culvert size or shape , has gate on it, also has 150 concrete headwall around it outfall.	Average	Possible	Moderate	M	2	2059	15	2074	2074	2179	53
	5245	DischargePoint - Outfall w/ Headwall	Concrete Headwall - Mount Haven Cres.	24 Mount Haven Cres.	Concrete	PVC	600	1995	100	73	27	\$25,000	7	7	7	600mm PVC, 300mm concrete headwall.good shape.	Good	Unlikely	Moderate	M	2	2085	16	2101	2101	2207	80
	5246	DischargePoint - Outfall w/ Headwall	Concrete Headwall - Mount Haven Cres.	24 Mount Haven Cres.	Concrete	PVC	900	1995	100	73	27	\$30,000	7	7	7	900 PVC, 300mm concrete headwall. Outfall.	Good	Unlikely	Moderate	M	2	2085	17	2102	2102	2209	81
	8653	DischargePoint - Outfall w/ Headwall	Storm Water Pond WWTP Outfall	Wastewater Treatment Plant Storm Pond	Stone	PVC	300	2011	100	89	11	\$15,000	9	10	10		Very Good	Rare	Moderate	L	1	2101	18	2119	2119	2227	98

Roads - Culvert Inventory

Fixed Asset #	Project ID	Type / Subtype	Asset Name / Description	Latitude	Longitude	utm_coordinates_ugs84	Street Name / Address	From	To	Shape	Height (mm)	Width (mm)	Length (m)	Material	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost	Condition Based On Useful Life	Condition from Town	Condition Used for Analysis	Field Inspection Note	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure
770	770	Crossroad Culvert	Open Ditch Culvert - Sideroad 27-28	44.02846395	-80.37076231	17-550424m.E 4875228m.N	Sideroad 27-28	Concession 12-13	Highway 89	Circular	600	600	15.5	Corrugated Steel	1994	50	22	28	\$2,640	4	6	7		Average	Possible	Minor	M	2
775	775	Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	44.01826358	-80.39123256	17-548792m.E 487496m.N	75420-75688 Sideroad 24-25 Grand Valley Dufferin County ON L9W 3W5 CA			Circular	2000	2000	12	Corrugated Steel	1994	50	22	28	\$6,500	4	9	9	Good condition. Loughed Drain crossing.	Very Good	Rare	Minor	L	1
776	776	Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	44.00911476	-80.3890811	17-548972m.E 4873065m.N	75419 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0H3 CA			Rectangular	2.5	2000	7.5	Pre-Cast Concrete	1994	100	72	28	\$6,500	7	6	6	3m wide 2 m high to soffit.	Average	Possible	Minor	M	2
787	787	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.930142844	-80.30412103	17-555884m.E 4861159m.N	24240 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 5L2 CA			Circular	450	450	17	Corrugated Steel	1994	50	22	28	\$1,500	4	5	5	Good condition.	Average	Possible	Minor	M	2
793	8642	Crossroad Culvert	Open Ditch Culvert - East Luther-Grand Valley - Wellington Townline				8464-8578 E West Luther Time Wellington North Wellington County ON N0G 1A0 CA	Tramway		Circular	400	400	11.5	Corrugated Steel	1994	50	22	28	\$1,500	4	3	3	Both ends full of mud, csp buried can't tell condition.	Poor	Likely	Minor	M	2
795	795	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.88051285	-80.40416599	17-547866m.E 4858773m.N	241002-241010 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 0R7 CA			Circular	400	400	69	Corrugated Steel	1994	50	22	28	\$57,000	4	7	7	Good. CSP.	Good	Unlikely	Minor	L	1
796	796	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.88059773	-80.40420291	17-547863m.E 4858783m.N	8581-8593 East Luther-Wellington North Townline Wellington North Wellington County ON N0G 1A0 CA			Circular	600	600	70.7	Corrugated Steel	1994	50	22	28	\$32,000	4	7	7	Piped west outlet long beyond the residential home.	Good	Unlikely	Minor	L	1
797	797	Crossroad Culvert	Open Ditch Culvert - East Luther-Grand Valley - Wellington Townline	43.88147196	-80.40441454	17-547846m.E 4858879m.N	8581-8593 East Luther-Wellington North Townline Wellington North Wellington County ON N0G 1A0 CA			Circular	1000	1000	12	Corrugated Steel	1994	50	22	28	\$6,500	4	10	10	New culvert.	Very Good	Rare	Minor	L	1
803	803	Crossroad Culvert	Open Ditch Culvert - East Luther-Grand Valley - Wellington Townline	44.02589031	-80.43840439	17-545006m.E 4874901m.N	East Luther-Wellington North Townline Grand Valley Dufferin County ON CA			Circular	650	650	17	Corrugated Steel	1994	50	22	28	\$3,160	4	8	8	Good shape.	Good	Unlikely	Minor	L	1
831	831	Crossroad Culvert	Open Ditch Culvert - Amaranth - East Luther-Grand Valley Townline	43.88449598	-80.29773312	17-556413m.E 4859283m.N	19391-193147 Amaranth-East Luther Townline Amaranth Dufferin County ON L9W 0M3 CA			Circular	500	500	12.5	Corrugated Steel	1994	50	22	28	\$1,500	4	4	4	Both ends half full of dirt, hard to get size and condition.	Poor	Likely	Minor	M	2
832	832	Crossroad Culvert	Open Ditch Culvert - Amaranth - East Luther-Grand Valley Townline	43.93219976	-80.30876284	17-555483m.E 4864574m.N	194001-194011 Amaranth-East Luther Townline Amaranth Dufferin County ON L9W 0L8 CA			Circular	400	400	21	Corrugated Steel	1994	50	22	28	\$4,180	4	7	7	East , wee bit of muck , ok, west end good.	Good	Unlikely	Minor	L	1
835	835	Crossroad Culvert	Open Ditch Culvert - Amaranth - East Luther-Grand Valley Townline	43.94632094	-80.31212071	17-555000m.E 4866140m.N	194147 Amaranth-East Luther Townline Grand Valley Dufferin County ON L0N 1G0 CA			Rectangular	2	4000	8	Pre-Cast Concrete	1994	100	72	28	\$6,500	7		7	Not a culvert, bridge, in great shape.	Good	Unlikely	Minor	L	1
842	842	Crossroad Culvert	Open Ditch Culvert - Sideroad 21-22	43.89421891	-80.38401583	17-549474m.E 4860307m.N	33409-33519 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0G1 CA			Circular	2000	2000	14	Corrugated Steel	1994	50	22	28	\$6,500	4	8	8	No. 2 Ext. Drain.	Good	Unlikely	Minor	L	1
843	843	Crossroad Culvert	Open Ditch Culvert - East Luther-Grand Valley - Wellington Townline	43.85616228	-80.39868776	17-548320m.E 4858072m.N	8380-8382 East Luther-Wellington North Townline Wellington North Wellington County ON N0G 1A0 CA			Circular	750	750	17	Corrugated Steel	1994	50	22	28	\$6,500	4	5	5	East end banged up, west side good.	Average	Possible	Minor	M	2
844	844	Crossroad Culvert	Open Ditch Culvert - East Luther-Grand Valley - Wellington Townline	43.8561494	-80.39867582	17-548327m.E 4856070m.N	8381-8383 East Luther-Wellington North Townline Grand Valley Dufferin County ON N0G 1A0 CA			Arch	750	1250	18.5	Corrugated Steel	1994	50	22	28	\$6,500	4	5	5	750/1250, half filled up with water, no flow east end banged up a bit, west side up as well.	Average	Possible	Minor	M	2
850	850	Crossroad Culvert	Open Ditch Culvert - East Luther-Grand Valley - Wellington Townline	43.86560305	-80.40082038	17-548147m.E 4857119m.N	8451-8463 East Luther-Wellington North Townline Grand Valley Dufferin County ON N0G 1A0 CA			Circular	1200	1200	15	Corrugated Steel	1994	50	22	28	\$6,500	4	6	6	East end plugged up with dirt, west half full of water , needs a bit of cleaning.	Average	Possible	Minor	M	2
858	858	Crossroad Culvert	Open Ditch Culvert - Amaranth - East Luther-Grand Valley Townline	44.04962944	-80.33665838	17-553139m.E 4877598m.N	195715-195729 Amaranth-East Luther Townline Grand Valley Dufferin County ON L9W 2K8 CA	Highway 89		Circular	500	500	14	Corrugated Steel	1994	50	22	28	\$6,500	4	3	3	Pipe is exposed east side, 3/4 buried, can't really get a size, can't find west end, totally buried, just guessed length of culvert.	Poor	Likely	Minor	M	2
863	863	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.89450927	-80.33760924	17-553201m.E 4890368m.N	113280-113328 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0K4 CA			Circular	1000	1000	17.5	Corrugated Steel	1994	50	22	28	\$6,500	4	6	6	Rotted in some spots.	Average	Possible	Minor	M	2
867	867	Crossroad Culvert	Open Ditch Culvert - Sideroad 27-28	43.90646914	-80.34041176	17-552959m.E 4861695m.N	113363-113419 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0K4 CA			Circular	2000	2000	18.3	Corrugated Steel	1994	50	22	28	\$6,500	4	8	8	Minor damage to east end.	Good	Unlikely	Minor	L	1
871	871	Crossroad Culvert	Open Ditch Culvert - Sideroad 27-28	43.92773104	-80.34548903	17-552539m.E 4864053m.N	114000-114124 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0V9 CA			Circular	750	750	18.5	Corrugated Steel	1994	50	22	28	\$1,500	4	7	7		Good	Unlikely	Minor	L	1
873	873	Crossroad Culvert	Open Ditch Culvert - Sideroad 27-28	43.9349175	-80.34715857	17-552500m.E 4864850m.N	114178-114248 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0K5 CA			Circular	2000	2000	15	Corrugated Steel	2007	50	35	15	\$6,500	7	8	8	One of two. Most water goes through other culvert.	Good	Unlikely	Minor	L	1
880	880	Crossroad Culvert	Open Ditch Culvert - Concession Road 27-28	43.97703573	-80.35781917	17-551506m.E 4895222m.N	114747-114843 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0L3 CA			Circular	2000	2000	12	Corrugated Steel	1994	100	72	28	\$6,500	7	8	8	Good condition. 1/3 full of water.	Good	Unlikely	Minor	L	1
888	888	Crossroad Culvert	Open Ditch Culvert - Sideroad 27-28	43.99279031	-80.3624332	17-551123m.E 4871285m.N	115156-115168 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0L4 CA			Circular	1000	1000	15.4	Corrugated Steel	1994	50	22	28	\$6,500	4	7	7	1/4 full of leaves/mud.	Good	Unlikely	Minor	L	1
891	891	Crossroad Culvert	Open Ditch Culvert - Sideroad 27-28	43.99726948	-80.3635068	17-551033m.E 4871765m.N	115170-115216 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0L4 CA			Circular	2000	2000	15.2	Corrugated Steel	1994	50	22	28	\$6,500	4	8	8	Good condition.	Good	Unlikely	Minor	L	1
901	901	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.89671378	-80.32652235	17-554089m.E 4890620m.N	242193-242197 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 7P2 CA			Circular	750	750	16	Corrugated Steel	1994	50	22	28	\$1,500	4	6	6	Mud in north end, 200mm dirt in the south invert.	Average	Possible	Minor	M	2
928	928	Crossroad Culvert	Open Ditch Culvert - Concession Road 6-7	43.94450857	-80.34200361	17-552650m.E 4865919m.N	32226-32258 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0X3 CA			Circular	450	450	15	Corrugated Steel	1994	50	22	28	\$3,300	4	4	4	South end 3/4 plugged north end has been dinged.	Poor	Likely	Minor	M	2
930	930	Crossroad Culvert	Open Ditch Culvert - Concession Road 6-7	43.94512785	-80.33897197	17-553046m.E 4865990m.N	322260-322282 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0X3 CA			Circular	450	450	18	Corrugated Steel	1994	50	22	28	\$1,500	4	5	5	Half plugged up on south end, North ok , has ding on top.	Average	Possible	Minor	M	2
932	932	Crossroad Culvert	Open Ditch Culvert - Concession Road 6-7	43.94746684	-80.32630912	17-554050m.E 4866258m.N	322348-322358 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0X3 CA			Circular	600	600	20	Corrugated Steel	1994	50	22	28	\$6,500	4	5	5	North end plugged.	Average	Possible	Minor	M	2
933	8629	Crossroad Culvert	Open Ditch Culvert - Concession Road 6-7	43.94866602	-80.32531334	17-554139m.E 4866391m.N	322377-322389 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0L8 CA			Circular	900	900	21.5	Corrugated Steel	1994	50	22	28	\$6,500	4	8	8	Good shape , can see a wee bit of bends on top of culvert under road, all and all good shape.	Good	Unlikely	Minor	L	1
940	940	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.89442725	-80.33742694	17-553216m.E 4866359m.N	242181-242185 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 0S1 CA			Circular	1000	1000	19.6	Corrugated Steel	1994	50	22	28	\$6,500	4	10	10	New culvert.	Very Good	Rare	Minor	L	1
941	941	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.89437354	-80.33768504	17-553195m.E 4860354m.N	241400-242178 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 0K4 CA			Circular	1000	1000	20	Corrugated Steel	1994	50	22	28	\$6,500	4	10	10	New culvert.	Very Good	Rare	Minor	L	1
953	953	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.88969031	-80.36004843	17-551400m.E 4898294m.N	241346-241358 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 0J1 CA			Circular	1000	1000	20	Corrugated Steel	1994	50	22	28	\$26,500	4	10	10	New Culvert.	Very Good	Rare	Minor	L	1
954	954	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.888945	-80.36388577	17-551111m.E 4859734m.N	241267-241345 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 0R8 CA			Circular	2000	2000	20	Corrugated Steel	1994	50	22	28	\$6,500	4	9	9	Great shape.	Very Good	Rare	Minor	L	1
956	956	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.88544982	-80.38053285	17-549761m.E 4859335m.N	241181-241265 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 0R8 CA			Circular	800	800	20	Corrugated Steel	1994	50	22	28	\$2,440	4	9	9	Good shape, new looking.	Very Good	Rare	Minor	L	1
957	957	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.8851117	-80.38217629	17-549629m.E 4859298m.N	241158-241178 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 0R7 CA			Circular	600	600	15.3	Corrugated Steel	1994	50	22	28	\$2,600	4	7	7	1/4 full of mud. Could be 500mm dia difficult to measure.	Good	Unlikely	Minor	L	1
962	962	Crossroad Culvert	Open Ditch Culvert - Concession Road 8-9	43.96265508	-80.37667003	17-550006m.E 4867913m.N	362001-362005 Conc. Rd. 8-9 Grand Valley Dufferin County ON L9W 0Y1 CA			Circular	1000	1000	18	Corrugated Steel	1994	50	22	28	\$6,500	4	8	8	Good condition.	Good	Unlikely	Minor	L	1
968	968	Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	43.94766168	-80.37327207	17-550292m.E 4866250m.N	74441 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0J4 CA			Circular	2000	2000	18	Corrugated Steel	1994	50	22	28	\$6,500	4	8	8	Good condition. Nelson Drain road crossing.					

Fixed Asset #	Project ID	Type / Subtype	Asset Name / Description	Latitude	Longitude	utm_coordinates_wgs84	Street Name / Address	From	To	Shape	Height (mm)	Width (mm)	Length (m)	Material	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost	Condition Based On Useful Life	Condition from Town	Condition Used for Analysis	Field Inspection Note	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure
1144	1144	Crossroad Culvert	Open Ditch Culvert - Concession Road 12-13	44.00937608	-80.39670193	17-548361m E 4873090m N	441181-441359 Conc. Rd. 12-13 Grand Valley Dufferin County ON L9W 0H5 CA			Arch	2200	1700	15	Corrugated Steel	1994	50	22	28	\$6,500	4	7	7	2200mm 1700 h (good condition) possible drain crossing.	Good	Unlikely	Minor	L	1
1146	1146	Crossroad Culvert	Open Ditch Culvert - Concession Road 12-13	44.01213136	-80.38347978	17-549419m E 4873404m N	Conc. Rd. 12-13 Grand Valley Dufferin County ON CA			Arch	1500	900	8.7	Corrugated Steel	1994	50	22	28	\$6,500	4	8	8	Good condition (no flow) 1500 900 h.	Good	Unlikely	Minor	L	1
1151	1151	Crossroad Culvert	Open Ditch Culvert - Concession Road 12-13	44.02021031	-80.34581285	17-552433m E 4874325m N	442353-442359 Conc. Rd. 12-13 Grand Valley Dufferin County ON L9W 0M2 CA			Circular	600	600	18	Corrugated Steel	1994	50	22	28	\$6,500	4	6	6	Not bad, south end has a wee bit of muck, Hey mark.	Average	Possible	Minor	M	2
1153	1153	Crossroad Culvert	Open Ditch Culvert - Concession Road 12-13	44.02214649	-80.33693616	17-553141m E 4874545m N	442375-442479 Conc. Rd. 12-13 Grand Valley Dufferin County ON L9W 2K8 CA			Arch	1650	1200	15.5	Corrugated Steel	1994	50	22	28	\$6,500	4	7	7	1200mm h/ 1650 w, pretty good shape. No water flow. Half filled with water.	Good	Unlikely	Minor	L	1
1154	1154	Crossroad Culvert	Open Ditch Culvert - Concession Road 12-13	44.02353292	-80.33046497	17-553658m E 4874703m N	442374-442478 Conc. Rd. 12-13 Grand Valley Dufferin County ON L9W 2K8 CA			Circular	1000	1000	12	Corrugated Steel	1994	50	22	28	\$6,500	4	7	7	Road cross culvert, good shape, North end, top of pipe, has a ding but over all condition good.	Good	Unlikely	Minor	L	1
1155	1155	Crossroad Culvert	Open Ditch Culvert - Main Street	43.89594391	-80.31527431	17-554993m E 4880542m N	2-18 Water St. Grand Valley Dufferin County ON L9W 5Y5 CA			Circular	900	900	13.4	Corrugated Steel	1994	50	22	28	\$1,500	4	5	5	Concrete outlet head wall, 900 csp, half filled with dirt.	Average	Possible	Minor	M	2
1156	1156	Crossroad Culvert	Open Ditch Culvert - Water Street	43.89306674	-80.31548222	17-554979m E 4880223m N	118 Water St. Grand Valley Dufferin County ON L9W 5X5 CA			Circular	1300	1300	15.4	Corrugated Steel	1994	50	22	28	\$1,500	4	5	5	CSP heads east to river and turn S/E to a 1200mm CSP outlet.	Average	Possible	Minor	M	2
1157		Crossroad Culvert	Open Ditch Culvert - Melody Lane				Melody Lane	Water Street		Circular	450	450	16.3	Corrugated Steel	1994	50	22	28	\$1,500	4		4		Poor	Likely	Minor	M	2
1164	8608	Crossroad Culvert	Open Ditch Culvert - Watson Road	43.88787175	-80.31198336	17-555265m E 4895648m N	10 Watson Rd. Grand Valley Dufferin County ON L9W 6N9 CA			Circular	600	600	42.5	Corrugated Steel	1994	50	22	28	\$7,000	4	7	7	Driveway culvert into firehouse, half filled with dirt.	Good	Unlikely	Minor	L	1
1169	1169	Crossroad Culvert	Open Ditch Culvert - Emma Street	43.89608147	-80.31639394	17-554903m E 4880558m N	71 Emma St. Grand Valley Dufferin County ON L9W 6P8 CA			Circular	600	600	13	Corrugated Steel	1994	50	22	28	\$2,320	4	6	6	Due to construction culvert locates and functional. Not certain on diameter.	Average	Possible	Minor	M	2
1175	1175	Crossroad Culvert	Open Ditch Culvert - Emma Street	43.8945017	-80.31604038	17-554933m E 4880382m N	62 Emma St. Grand Valley Dufferin County ON L9W 5X5 CA			Circular	450	450	23.5	Corrugated Steel	1994	50	22	28	\$1,500	4	3	3	Found S/E end and NW buried, couldn't locate.	Poor	Likely	Minor	M	2
1182	1182	Crossroad Culvert	Open Ditch Culvert - Emma Street	43.89330318	-80.31557597	17-554972m E 4880249m N	151-199 Emma St. Grand Valley Dufferin County ON L9W 5P9 CA			Circular	600	600	18.5	Corrugated Steel	1994	50	22	28	\$1,500	4	5	5	South end the top has some damage.	Average	Possible	Minor	M	2
1183	1183	Crossroad Culvert	Open Ditch Culvert - William Street	43.89571747	-80.31621287	17-554918m E 4880518m N	4-6 William St. Grand Valley Dufferin County ON L9W 5Y5 CA			Circular	600	600	11.4	Corrugated Steel	1994	50	22	28	\$4,600	4	4	4	Under construction. Appears existing is a 450 mm pvc in a catch basin with a cb on south side of William street. May change due to construction.	Poor	Likely	Minor	M	2
1189	1189	Crossroad Culvert	Open Ditch Culvert - Amaranth - East Luther-Grand Valley Townline	43.91753226	-80.30531661	17-555773m E 4889111m N	193429-193457 Amaranth-East Luther Townline Grand Valley Dufferin County ON L9W 0N5 CA			Circular	600	600	15	Corrugated Steel	1994	50	22	28	\$2,680	4	5	5	East end, top pushed down a bit, west side ok.	Average	Possible	Minor	M	2
1190	1190	Crossroad Culvert	Open Ditch Culvert - Amaranth - East Luther-Grand Valley Townline	43.94076473	-80.31081672	17-555310m E 4885523m N	194062-194186 Amaranth-East Luther Townline Grand Valley Dufferin County ON LON 1G0 CA			Circular	600	600	15.5	Corrugated Steel	1994	50	22	28	\$2,980	4	6	6	Pretty good.	Average	Possible	Minor	M	2
1191	8621	Crossroad Culvert	Open Ditch Culvert - Amaranth - East Luther-Grand Valley Townline	43.97315363	-80.32688117	17-553991m E 4891111m N	194243 Amaranth-East Luther Townline Grand Valley Dufferin County ON L9W 0E4 CA			Circular	400	400	10.2	Corrugated Steel	1994	50	22	28	\$2,120	4	5	5	East side plugged, beaver, can't see end, west side is exposed but it has been crushed down abit.	Average	Possible	Minor	M	2
1192	1192	Crossroad Culvert	Open Ditch Culvert - Concession Road 8-9	43.96968309	-80.34346724	17-552664m E 4888714m N	362405-362439 Conc. Rd. 8-9 Grand Valley Dufferin County ON L9W 0Y5 CA			Circular	400	400	11	Corrugated Steel	1994	50	22	28	\$25,000	4	7	7	Good shape.	Good	Unlikely	Minor	L	1
1193	1193	Crossroad Culvert	Open Ditch Culvert - Concession Road 8-9				362275-362299 Conc. Rd. 8-9 Grand Valley Dufferin County ON L9W 0Y3 CA			Circular	600	600	15.2	Corrugated Steel	1994	50	22	28	\$2,060	4	8	8	Good shape.	Good	Unlikely	Minor	L	1
1194	1194	Crossroad Culvert	Open Ditch Culvert - Concession Road 8-9	43.96767782	-80.35422363	17-551803m E 4884848m N	362200-362224 Conc. Rd. 8-9 Grand Valley Dufferin County ON L9W 0Y3 CA			Circular	750	750	17.5	Corrugated Steel	1994	50	22	28	\$6,500	4	5	5	Good on north end, plugged up on south end, south end a bit rough.	Average	Possible	Minor	M	2
1195	1195	Crossroad Culvert	Open Ditch Culvert - Concession Road 8-9	43.96193029	-80.37955168	17-549776m E 4887831m N	Conc. Rd. 8-9 Grand Valley Dufferin County ON CA			Arch	650	1000	9.5	Corrugated Steel	1994	50	22	28	\$6,500	4	5	5	650 h/1050, not too bad, south end buried/north en ok.	Average	Possible	Minor	M	2
1196	1196	Crossroad Culvert	Open Ditch Culvert - Concession Road 8-9	43.9597937	-80.38953406	17-548977m E 4887588m N	Conc. Rd. 8-9 Grand Valley Dufferin County ON CA			Circular	600	600	9	Corrugated Steel	1994	50	22	28	\$1,640	4	4	4	Unknown diameter. Completely buried-no flow. Cannot see steel - unknown actual steel condition.	Poor	Likely	Minor	M	2
1197	1179	Crossroad Culvert	Open Ditch Culvert - Concession Road 8-9				Conc. Rd. 8-9 Grand Valley Dufferin County ON CA			Circular	450	450	9	Corrugated Steel	1994	50	22	28	\$6,500	4	2	2	South end poor, half filled in, North side ok.	Very Poor	Almost Certain	Minor	H	3
1198	1198	Crossroad Culvert	Open Ditch Culvert - Sideroad 21-22	43.95159784	-80.39699941	17-548384m E 4886273m N	34351-34399 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0G2 CA			Circular	600	600	13.7	Corrugated Steel	1994	50	22	28	\$2,380	4	7	7	Minor cosmetic on east end of culvert (could be too high).	Good	Unlikely	Minor	L	1
1199	1199	Crossroad Culvert	Open Ditch Culvert - Sideroad 21-22	43.94942249	-80.39652168	17-548425m E 4886431m N	34351-34399 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0G2 CA			Circular	600	600	12	Corrugated Steel	1994	50	22	28	\$2,280	4	10	10	New culvert.	Very Good	Rare	Minor	L	1
1200	1200	Crossroad Culvert	Open Ditch Culvert - Sideroad 21-22	43.94535961	-80.39561355	17-548501m E 4895981m N	34335-34349 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0G2 CA			Circular	600	600	12	Corrugated Steel	1994	50	22	28	\$1,940	4	8	8	Good condition.	Good	Unlikely	Minor	L	1
1201	1201	Crossroad Culvert	Open Ditch Culvert - Sideroad 21-22	43.93691285	-80.39388859	17-548957m E 4885043m N	34301-34325 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0G2 CA			Circular	600	600	13.5	Corrugated Steel	1994	50	22	28	\$2,380	4	9	9		Very Good	Rare	Minor	L	1
1202	1202	Crossroad Culvert	Open Ditch Culvert - Concession Road 6-7	43.9365175	-80.37961509	17-549792m E 4885008m N	321610-321828 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0W9 CA			Circular	600	600	19	Corrugated Steel	1994	50	22	28	\$2,080	4	4	4	Appeared to be a 150, not sure type, connected to other cb.	Poor	Likely	Minor	M	2
1203	1203	Crossroad Culvert	Open Ditch Culvert - Concession Road 6-7	43.94240207	-80.35206334	17-551938m E 4885679m N	322136-322176 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0X1 CA			Circular	600	600	18	Corrugated Steel	1994	50	22	28	\$2,480	4	10	10	New pipe.	Very Good	Rare	Minor	L	1
1204	1204	Crossroad Culvert	Open Ditch Culvert - Concession Road 4-5	43.91996047	-80.33693017	17-553233m E 4883196m N	282267-282296 Conc. Rd. 4-5 Grand Valley Dufferin County ON L9W 0W4 CA			Circular	600	600	17.4	Corrugated Steel	1994	50	22	28	\$3,180	4	6	6	Not to bad, little dirt in both ends.	Average	Possible	Minor	M	2
1205	1205	Crossroad Culvert	Open Ditch Culvert - Concession Road 4-5	43.9162112	-80.35449443	17-551826m E 4882788m N	262073-262105 Conc. Rd. 4-5 Grand Valley Dufferin County ON L9W 0Y9 CA			Circular	600	600	13.2	Corrugated Steel	1994	50	22	28	\$2,500	4	4	4	South end bad, top crashed 1 metre north of end of pipe, north better, the top has been crushed in a bit.	Poor	Likely	Minor	M	2
1206	1206	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.88714766	-80.37237504	17-550415m E 4885929m N	241181-241265 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 0R8 CA			Circular	750	750	20	Corrugated Steel	1994	50	22	28	\$3,080	4	8	8	Good shape.	Good	Unlikely	Minor	L	1
1207	1207	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.89634112	-80.32835832	17-553942m E 4890578m N	242193-242197 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 7P2 CA			Circular	600	600	19.6	HDPE	2020	100	98	2	\$6,500	10	9	9	Great shape.	Very Good	Rare	Minor	L	1
1208	1208	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.89342103	-80.34219252	17-552634m E 4880245m N	241401-242179 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 0K4 CA			Circular	600	600	18	Corrugated Steel	1994	50	22	28	\$25,000	4	8	8	Good condition.	Good	Unlikely	Minor	L	1
1209	1209	Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3	43.89016582	-80.35778641	17-551584m E 4889873m N	241361-241377 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 0R9 CA			Circular	600	600	18	Corrugated Steel	1994	50	22	28	\$25,000	4	7	7	Good condition.300mm of south end damage.	Good	Unlikely	Minor	L	1
1210	1210	Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	43.86632718	-80.35466035	17-551856m E 4887227m N	73013-73079 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0P7 CA			Circular	600	600	15.5	Corrugated Steel	1994	50	22	28	\$2,720	4	7	7	Ends of culvert partially blocked by mud.	Good	Unlikely	Minor	L	1
1211	1211	Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	43.87900943	-80.35752192	17-551615m E 4888634m N	73143-73179 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0J1 CA			Circular	600	600	14.6	Corrugated Steel	1994	50	22	28	\$2,700	4	4	4	Steel ok. 1/2 full of mud.	Poor	Likely	Minor	M	2
1212	1212	Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	43.93537134	-80.37040033	17-550533m E 4888865m N	74182-74278 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0J3 CA			Circular	600	600	15	Corrugated Steel	1994	50	22	28	\$2,860	4	3	3	West is 1/4 plugged up east is 3/4 plugged.	Poor	Likely	Minor	M	2
1213	1213	Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	43.97733415	-80.38119222	17-549631m E 4889540m N	75094 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0J5 CA			Circular	1000	1000	15	Corrugated Steel	1994	50	22	28	\$6,500	4	7	7	Measured 14.8 for length (rounded up).	Good	Unlikely	Minor	L	1
1214	1214	Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	43.99856982	-80.38666127	17-549175m E 4874966m N	75274-75322 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0K2 CA			Circular	600	600	12.5	Corrugated Steel	1994	50	22	28	\$2,100	4	6	6	Decent condition , minor damage on either end (functions well).	Average	Possible	Minor	M	2
1215	1215	Crossroad Culvert	Open Ditch Culvert - Sideroad 21-22	44.02738728	-80.41554376	17-546837m E 4875080m N	35609-35684 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0H5 CA			Circular	1000	1000	15	Corrugated Steel	1994	50	22	28	\$6,500	4	10	10	New Culvert.	Good	Rare	Minor	L	1
1216	1216	Crossroad Culvert	Open Ditch Culvert - Sideroad 21-22	44.02137215	-80.41420034	17-546949m E 4874412m N	35516-35598 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0H5 CA			Circular	1000	1000	11	Corrugated Steel	1994	50	22	28	\$6,500	4	7	7	Minor damage on west end of culvert.	Very Good	Unlikely	Minor	L	1
1217	1217	Crossroad Culvert	Open Ditch Culvert - Sideroad 21-22	44.011194858	-80.41194858	17-547137m E 4873301m N	35458-35514 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0H5 CA																					

Fixed Asset #	Project ID	Type / Subtype	Asset Name / Description	Latitude	Longitude	utm_coordinates_wgs84	Street Name / Address	From	To	Shape	Height (mm)	Width (mm)	Length (m)	Material	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost	Condition Based On Useful Life	Condition from Town	Condition Used for Analysis	Field Inspection Note	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure
																54	32	22	\$1,225,917									1
5182	5182	Crossroad Culvert	400mm Corrugated Steel Open Ditch Culvert - Water Street	43.89116602	-80.31539221	17-554988m.E 4860012m.N	149 Water St. Grand Valley Dufferin County ON L9W 5Y8 CA			Circular	300	300	5	HDPE	2013	50	41	9	\$4,000	8	7	7	Good shape. Outfall without Headwall. Could not locate very dense trees	Good	Unlikely	Minor	L	1
5183	5183	Crossroad Culvert	300mm Corrugated Steel Open Ditch Culvert - Water Street	43.89080097	-80.31508174	17-555014m.E 4859591m.N	155 Water St. Grand Valley Dufferin County ON L9W 5Y8 CA			Circular	600	600	5	Corrugated Steel	2013	50	41	9	\$4,000	8	8	8	Good shape. Outfall without Headwall. Minor erosion below outlet. Csp end. Read slightly over 600mm dia. - could be slightly compressed.	Good	Unlikely	Minor	L	1
5185	5185	Crossroad Culvert	400mm Corrugated Steel Open Ditch Culvert - Water Street	43.89232083	-80.31569818	17-554952m.E 4860141m.N	Water Street			Circular	400	400	15.3	Concrete	2013	100	91	9	\$3,060	9		9	Approximate diameter. Cannot locate outlet	Very Good	Rare	Minor	L	1
5187	5187	Crossroad Culvert	600mm Corrugated Steel Open Ditch Culvert - Watson Road	43.88752864	-80.30923168	17-555487m.E 4859612m.N	61-99 Watson Rd. Grand Valley Dufferin County ON L9W 6N9 CA			Circular	600	600	13.5	Corrugated Steel	2013	50	41	9	\$2,800	8	8	8	Road cross culvert, good, not much dirt in it.	Good	Unlikely	Minor	L	1
5188	5188	Crossroad Culvert	450mm Corrugated Steel Open Ditch Culvert - Concession Road 2-3	43.90053891	-80.30792193	17-555579m.E 4861059m.N	179-187 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 5L2 CA			Circular	400	400	27	Corrugated Steel	1969	50	0	53	\$5,680	0	5	5	Broken up at outfall.	Average	Possible	Minor	M	2
5192	5192	Crossroad Culvert	500mm Corrugated Steel Open Ditch Culvert - Leeson Street	43.89628783	-80.31794213	17-554779m.E 4860579m.N	66 Leeson St. Grand Valley Dufferin County ON L9W 5S5 CA			Circular	450	450	6	Corrugated Steel	1969	50	0	53	\$4,040	0	6	6	CSP at end of ditch flowing into catch basin.	Average	Possible	Minor	M	2
5193		Crossroad Culvert	600mm Corrugated Steel Open Ditch Culvert - Leeson Street				Leeson Street			Circular	600	600	16.3	Corrugated Steel	1969	50	0	53	\$3,260	0		0		Very Poor	Almost Certain	Minor	H	3
5194	5194	Crossroad Culvert	450mm Corrugated Steel Open Ditch Culvert - Watson Road	43.88749389	-80.30907007	17-555500m.E 4859608m.N	18 Watson Rd. Grand Valley Dufferin County ON L9W 6N9 CA			Circular	450	450	12	Corrugated Steel	2013	50	41	9	\$2,100	8	8	8	Road cross culvert, good shape, not much dirt.	Good	Unlikely	Minor	L	1
5226		Crossroad Culvert	600mm Corrugated Steel Open Ditch Culvert - Emma Street Sewage Pumping Station Site				Emma Street	Old Pumping Station		Circular	600	600	10.2	Corrugated Steel	2014	50	42	8	\$2,040	8		8		Good	Unlikely	Minor	L	1
5247		Crossroad Culvert	Culvert - Wastewater Treatment Plant - Watson Road				Watson Road			Circular	300	300	10.6	Corrugated Steel	2013	50	41	9	\$2,120	8		8		Good	Unlikely	Minor	L	1
5526		Crossroad Culvert	Open Ditch Culvert - Concession Road 4/5				Concession 4-5			Circular	600	600	15	Corrugated Steel	2018	50	46	4	\$21,156	9		9		Very Good	Rare	Minor	L	1
5528		Crossroad Culvert	Open Ditch Culvert - Concession Road 8-9				Concession 8-9			Circular	600	600	15	Corrugated Steel	2018	50	46	4	\$14,019	9		9		Very Good	Rare	Minor	L	1
5530		Crossroad Culvert	Open Ditch Culvert - Concession Road 8-9				Concession 8-9			Circular	600	600	20	Corrugated Steel	2018	50	46	4	\$14,019	9		9		Very Good	Rare	Minor	L	1
5531		Crossroad Culvert	Open Ditch Culvert Concession Road 2-3				Concession 2-3			Circular	1200	1200	20	Corrugated Steel	2018	50	46	4	\$12,859	9		9		Very Good	Rare	Minor	L	1
5532		Crossroad Culvert	Open Ditch Culvert Concession Road 2-3				Concession 2-3			Circular	1200	1200	20	Corrugated Steel	2018	50	46	4	\$12,859	9		9		Very Good	Rare	Minor	L	1
5533		Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3				Concession 2-3			Circular	1200	1200	20	Corrugated Steel	2018	50	46	4	\$12,859	9		9		Very Good	Rare	Minor	L	1
5534		Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3				Concession 2-3			Circular	1200	1200	20	Corrugated Steel	2018	50	46	4	\$12,859	9		9		Very Good	Rare	Minor	L	1
5535		Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3				Concession 2-3			Circular	1200	1200	20	Corrugated Steel	2018	50	46	4	\$23,805	9		9		Very Good	Rare	Minor	L	1
5536		Crossroad Culvert	Open Ditch Culvert - Concession Road 2-3				Concession 2-3			Circular	1200	1200	20	Corrugated Steel	2018	50	46	4	\$23,805	9		9		Very Good	Rare	Minor	L	1
5537		Crossroad Culvert	Open Ditch Culvert - Sideroad 27-28				Sideroad 27-28			Circular	1000	1000	18	Corrugated Steel	2018	50	46	4	\$22,938	9		9		Very Good	Rare	Minor	L	1
5648		Crossroad Culvert	Open Ditch Culvert - Concession 6/7				Concession Road 6-7			Circular	1000	1000	13	Corrugated Steel	2020	50	48	2	\$4,000	10		10		Very Good	Rare	Minor	L	1
5649		Crossroad Culvert	Open Ditch Culvert - SR 21/22				Sideroad 21-22			Circular	1000	1000	13	Corrugated Steel	2020	50	48	2	\$1,500	10		10		Very Good	Rare	Minor	L	1
5650		Crossroad Culvert	Open Ditch Culvert - SR 21/22				Sideroad 21-22			Circular	1000	1000	13	Corrugated Steel	2020	50	48	2	\$2,400	10		10		Very Good	Rare	Minor	L	1
5651		Crossroad Culvert	Open Ditch Culvert - SR 21/22				Sideroad 21-22			Circular	1000	1000	13	Corrugated Steel	2020	50	48	2	\$1,000	10		10		Very Good	Rare	Minor	L	1
5652		Crossroad Culvert	Open Ditch Culvert - SR 24/25				Sideroad 24-25			Circular	600	600	12	Corrugated Steel	2020	50	48	2	\$2,000	10		10		Very Good	Rare	Minor	L	1
8420		Crossroad Culvert	Open Ditch Culvert - SR 27/28				Sideroad 27-28			Circular	1000	1000	15	Corrugated Steel	2021	50	49	1	\$40,000	10		10		Very Good	Rare	Minor	L	1
8574		Crossroad Culvert	Open Ditch Culvert - Concession 12-13	44.00360777	-80.42368805	17-546202m.E 4872434m.N	441030-441108 Conc. Rd. 12-13 Grand Valley Dufferin County ON L9W 0Z9 CA			Circular	500	500	12.5	Corrugated Steel	1994	50	22	28	\$2,500	4	6	6	Steel in good shape. 1/3 full of dirt at either end.	Average	Possible	Minor	M	2
8575		Crossroad Culvert	Open Ditch Culvert East Luther - Wellington TL	44.0015604	-80.43287343	17-545436m.E 4872201m.N	441000-441022 East Luther-Wellington North Townline Grand Valley Dufferin County ON L9W 0Z9 CA			Circular	400	400	13	Corrugated Steel	1994	50	22	28	\$2,600	4	8	8	Good condition.	Good	Unlikely	Minor	L	1
8576		Crossroad Culvert	Open Ditch Culvert East Luther - Wellington TL	44.01653575	-80.43628571	17-545183m.E 4873863m.N	East Luther-Wellington North Townline Wellington North Wellington County ON CA			Circular	2000	2000	16	Corrugated Steel	2020	50	48	2	\$3,200	10	9	9	No 15 drain road crossing.	Very Good	Rare	Minor	L	1
8577		Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	44.03488416	-80.39518338	17-544462m.E 4875924m.N	75670-75688 Sideroad 24-25 Grand Valley Dufferin County ON L9W 3W5 CA			Circular	600	600	20	Corrugated Steel	1994	50	22	28	\$4,000	4	4	4	Steel appears to be ok. Cannot tell b/c culvert full of water and east end under dirt (appears to be functioning but poorly).	Poor	Likely	Minor	M	2
8578		Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	44.02655274	-80.39318103	17-548629m.E 4875000m.N	75421-75689 Sideroad 24-25 Grand Valley Dufferin County ON L9W 3W5 CA			Circular	400	400	9.2	Corrugated Steel	1994	50	22	28	\$1,840	4	7	7	Steel appears fine. Culvert too high.	Good	Unlikely	Minor	L	1
8579		Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	44.01092624	-80.38948246	17-548939m.E 4873269m.N	75420-75688 Sideroad 24-25 Grand Valley Dufferin County ON L9W 3W5 CA			Circular	1200	1200	15	Corrugated Steel	2021	50	49	1	\$3,000	10	10	10	Rotted out most of culvert length, cosmetic damage to the west end. REPLACED AFTER ORIGINAL INSPECTION	Very Good	Rare	Minor	L	1
8580		Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	44.01078136	-80.38945605	17-548944m.E 4873251m.N	75310-75418 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0H3 CA			Circular	900	900	15	Corrugated Steel	2021	50	49	1	\$3,000	10	10	10	Partially collapsed (could be circular but more likely arch). REPLACED AFTER INSPECTION	Very Good	Rare	Minor	L	1
8581		Crossroad Culvert	Open Ditch Culvert - Concession 8-9	43.96259605	-80.37692275	17-549986m.E 4867907m.N	Conc. Rd. 8-9 Grand Valley Dufferin County ON CA			Circular	650	650	15	Corrugated Steel	1994	50	22	28	\$3,000	4	8	8	Good condition (could be 600mm dia. Most likely 650).	Good	Unlikely	Minor	L	1
8582		Crossroad Culvert	Open Ditch Culvert - Sideroad 27-28	44.01995779	-80.38891469	17-550590m.E 4874282m.N	115475 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0L5 CA			Circular	1200	1200	12	Corrugated Steel	2021	50	49	1	\$2,400	10	10	10	Good condition (no flow at time of inspection).	Very Good	Rare	Minor	L	1
8583		Crossroad Culvert	Open Ditch Culvert - Sideroad 21-22	43.98265735	-80.40566289	17-547664m.E 4870117m.N	35207 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0Y7 CA			Circular	750	750	18.5	Corrugated Steel	1994	50	22	28	\$3,700	4	8	8		Good	Unlikely	Minor	L	1
8585		Crossroad Culvert	Open Ditch Culvert - Sideroad 21-22	43.95544907	-80.3978774	17-546631m.E 4867100m.N	34351-34398 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0Z2 CA			Circular	400	400	12.4	Corrugated Steel	1994	50	22	28	\$2,480	4	6	6	Full of mud on east end of culvert. Steel in decent shape.	Average	Possible	Minor	M	2
8586		Crossroad Culvert	Open Ditch Culvert - Sideroad 21-24	43.93367241	-80.39305053	17-548716m.E 4864684m.N	Sideroad 21-22 Grand Valley Dufferin County ON CA			Circular	750	750	12	Corrugated Steel	1994	50	22	28	\$2,400	4	4	4	Old culvert. Water going underneath culvert. Will be replaced and lowered summer 2022	Poor	Likely	Minor	M	2
8587		Crossroad Culvert	Open Ditch Culvert - Concession 6-7	43.93396425	-80.39166148	17-548827m.E 4867717m.N	321190-321278 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0W8 CA			Circular	350	350	18.2	Concrete	1994	100	72	28	\$5,000	7	5	5	In catch basins across road.	Average	Possible	Minor	M	2
8588		Crossroad Culvert	Open Ditch Culvert - Concession 6-8	43.93397932	-80.39159346	17-548827m.E 4867717m.N	321190-321278 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0W8 CA			Circular	450	450	15	Corrugated Steel	1994	50	22	28	\$3,000	4		4	Good condition.	Poor	Likely	Minor	M	2
8589		Crossroad Culvert	Open Ditch Culvert - Sideroad 24-25	43.93822029	-80.37104718	17-550478m.E 4895203m.N	74182-74278 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0J3 CA			Circular	1600	1600	16	Corrugated Steel	1994	50	22	28	\$3,200	4	7	7	Good condition.	Good	Unlikely	Minor	L	1
8590		Crossroad Culvert	Open Ditch Culvert - Concession 6-7	43.93890065	-80.36848619	17-550635m.E 4865279m.N	322000-322042 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0X1 CA			Circular	1600	1600	15	Corrugated Steel	1994	50	22	28	\$3,000	4	3	3	Poor shape , partially rotted.	Poor	Likely	Minor	M	2
8591		Crossroad Culvert	Open Ditch Culvert - Concession 6-7	43.94148436	-80.35645099	17-551647m.E 4865572m.N	322094-322134 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0X1 CA			Circular	500	500	15	Corrugated Steel	1994	50	22	28	\$3,000	4	8	8	New pipe, 1/4 full of gravel.	Good	Unlikely	Minor	L	1
8592		Crossroad Culvert	Open Ditch Culvert - Sideroad 27-28	44.01538366	-80.36789559	17-550656m.E 4873775m.N	Sideroad 27-28 Grand Valley Dufferin County ON CA			Circular	450	450	12.2	Corrugated Steel	1994	50	22	28	\$2,440	4	6	6	No sitting water.	Average	Possible	Minor	M	2
8593		Crossroad Culvert	Open Ditch Culvert - Deaken Drive	43.99069923	-80.36633058	17-550812m.E 4871034m.N	1 Deaken Dr. Grand Valley Dufferin County ON L9W 0Z8 CA			Circular	450	450	14	Corrugated Steel	2020	50	48	2	\$2,800	10	9	9	Good condition.	Very Good	Rare	Minor	L	1
8594		Crossroad Culvert	Open Ditch Culvert - Concession 8-9	43.96694678	-80.35490784	17-551749m.E 4869403m.N	362184-362198 Conc. Rd. 8-9 Grand Valley Dufferin County ON L9W 0K6 CA			Circular	500	500	15	Corrugated Steel	1994	50	22	28	\$3,000	4	7	7	Good condition.	Good	Unlikely	Minor	L	1
8595		Crossroad Culvert	Open Ditch Culvert - Sideroad 27-28	43.95710872	-80.35246721	17-551953m.E 4867312m.N	114382-114490 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0K6 CA			Circular	600	600	9	Corrugated Steel	1994	50	22	28	\$1,800	4	7	7	Ends are damaged. Functions fine.	Good	Unlikely	Minor	L	

Fixed Asset #	Project ID	Type / Subtype	Asset Name / Description	Latitude	Longitude	utm_coordinates_ogs84	Street Name / Address	From	To	Shape	Height (mm)	Width (mm)	Length (m)	Material	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost	Condition Based On Useful Life	Condition from Town	Condition Used for Analysis	Field Inspection Note	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure
																54	32	22	\$1,225,917			7						1
8617		Crossroad Culvert	Open Ditch Culvert - East Luther - Amaranth	43.97498065	-80.31884046	17-554634m.E 4869318m.N	194470-194618 Amaranth-East Luther Townline Grand Valley Dufferin County ON L9W 0N7 CA			Circular	400	400	15	Corrugated Steel	1994	50	22	28	\$3,000	4	5	5	Fair, looks like top sinking in a bit, west side has a couple holes on top, and east side has a couple inches of dirt in it.	Average	Possible	Minor	M	2
8618		Crossroad Culvert	Open Ditch Culvert - East Luther - Amaranth	43.96983788	-80.31764788	17-554735m.E 4899748m.N	194350-194396 Amaranth-East Luther Townline Amaranth Dufferin County ON L9W 0N7 CA			Circular	450	450	12	Corrugated Steel	1994	50	22	28	\$2,400	4	6	6	East side binged up, beaver dam. Lots of water.	Average	Possible	Minor	M	2
8619		Crossroad Culvert	Open Ditch Culvert - East Luther - Amaranth	43.96816749	-80.31725861	17-554768m.E 4868563m.N	194350-194396 Amaranth-East Luther Townline Grand Valley Dufferin County ON L9W 0N7 CA			Circular	400	400	12.2	Corrugated Steel	1994	50	22	28	\$2,440	4	6	6	1/4 plugged up.	Average	Possible	Minor	M	2
8620		Crossroad Culvert	Open Ditch Culvert - East Luther - Amaranth	43.9591408	-80.31512908	17-554947m.E 4867562m.N	194235-194309 Amaranth-East Luther Townline Amaranth Dufferin County ON L9W 0N7 CA			Circular	400	400	13	Corrugated Steel	1994	50	22	28	\$2,600	4	5	5	East side good, west side squashed and plugged.	Average	Possible	Minor	M	2
8622		Crossroad Culvert	Open Ditch Culvert - East Luther - Amaranth	43.9518811	-80.31342797	17-555090m.E 4868756m.N	194191-194233 Amaranth-East Luther Townline Grand Valley Dufferin County ON L9W 0X6 CA			Circular	400	400	9	Corrugated Steel	1994	50	22	28	\$1,800	4	5	5	Both ends pushed down, a bit of dirt in them.	Average	Possible	Minor	M	2
8623		Crossroad Culvert	Open Ditch Culvert - East Luther - Amaranth	43.87758455	-80.29615525	17-556546m.E 4858516m.N	193000-193014 Amaranth-East Luther Townline Grand Valley Dufferin County ON L9W 0R1 CA			Circular	600	600	17	Corrugated Steel	1994	50	22	28	\$3,400	4	5	5	Culvert buried east side, west side half full of dirt, hard to tell what kind of condition.	Average	Possible	Minor	M	2
8625		Crossroad Culvert	Open Ditch Culvert - Concession 2-3	43.90189556	-80.30192249	17-556060m.E 4861212m.N	242452-242496 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 5L2 CA			Circular	400	400	15	Corrugated Steel	1969	50	0	53	\$10,000	0	4	4	Just found south invert, North side totally buried, can't give a length, or condition, just heading to a 300mm round catch basin with a 100 plastic tile heading south to culvert some where.	Poor	Likely	Minor	M	2
8626		Crossroad Culvert	Open Ditch Culvert - East Luther - Amaranth	43.90804756	-80.30310393	17-555960m.E 4861895m.N	193311-193373 Amaranth-East Luther Townline Grand Valley Dufferin County ON L0N 1G0 CA			Circular	750	750	13	Corrugated Steel	1994	50	22	28	\$2,600	4	4	4	No flow, east side 3/4 plugged with water, west side is 3/4 plugged up, hard to tell size and condition.	Poor	Likely	Minor	M	2
8627		Crossroad Culvert	Open Ditch Culvert - East Luther - Amaranth	43.92661829	-80.30766029	17-555576m.E 4863954m.N	193545-193549 Amaranth-East Luther Townline Grand Valley Dufferin County ON L9W 0L8 CA			Circular	900	900	19	Corrugated Steel	1994	50	22	28	\$3,800	4	8	8	Good, not much flow west side, a bit of muck in west end.	Good	Unlikely	Minor	L	1
8628		Crossroad Culvert	Open Ditch Culvert - East Luther - Amaranth	43.93699794	-80.30992651	17-555395m.E 4865106m.N	194029-194059 Amaranth-East Luther Townline Amaranth Dufferin County ON L9W 0L8 CA			Circular	1450	1450	16	Corrugated Steel	1994	50	22	28	\$3,200	4	7	7	Clean.	Good	Unlikely	Minor	L	1
8630		Crossroad Culvert	Open Ditch Culvert - Concession 12-13	44.01877742	-80.35243406	17-551902m.E 4874161m.N	442195-442321 Conc. Rd. 12-13 Grand Valley Dufferin County ON L9W 3W1 CA			Circular	750	750	12	Corrugated Steel	1994	50	22	28	\$2,400	4	6	6	North end has a ding on top, flows a bit slow, but water is getting to catch basin.	Average	Possible	Minor	M	2
8631		Crossroad Culvert	Open Ditch Culvert - Concession 12-13	44.01783236	-80.35683594	17-551550m.E 4874054m.N	442194-442320 Conc. Rd. 12-13 Grand Valley Dufferin County ON L9W 3W1 CA			Circular	1400	1400	15.5	Corrugated Steel	1994	50	22	28	\$3,100	4	6	6	South side good, North side, top ding, slow flow, but flowing.	Average	Possible	Minor	M	2
8632		Crossroad Culvert	Open Ditch Culvert - Concession 12-13	44.01703795	-80.36053279	17-551254m.E 4873963m.N	442195-442321 Conc. Rd. 12-13 Grand Valley Dufferin County ON L9W 3W1 CA			Circular	750	750	13.5	Corrugated Steel	1994	50	22	28	\$2,700	4	4	4	Not much flow, south end corroding at invert.	Poor	Likely	Minor	M	2
8633		Crossroad Culvert	Open Ditch Culvert - Concession 8-9	43.96828454	-80.35008244	17-552134m.E 4868554m.N	362227-362245 Conc. Rd. 8-9 Grand Valley Dufferin County ON L9W 0L3 CA			Circular	1800	1800	16.3	Corrugated Steel	1994	50	22	28	\$3,260	4	8	8	Great shape.	Good	Unlikely	Minor	L	1
8634		Crossroad Culvert	Open Ditch Culvert - Concession 8-9	43.97398883	-80.32293182	17-554307m.E 4869206m.N	362441-362477 Conc. Rd. 8-9 Grand Valley Dufferin County ON L9W 0Y5 CA			Circular	400	400	11	Corrugated Steel	1994	50	22	28	\$2,200	4	7	7	Good shape.	Good	Unlikely	Minor	L	1
8635		Crossroad Culvert	Open Ditch Culvert - Concession 3-4	43.9079585	-80.33366626	17-553505m.E 4861895m.N	262229-262285 Conc. Rd. 3-4 Grand Valley Dufferin County ON L9W 0V5 CA			Arch	700	1050	11	Corrugated Steel	1994	50	22	28	\$2,200	4	5	5	700mm x 1050mm, older, needs a bit of attention.	Average	Possible	Minor	M	2
8637		Crossroad Culvert	Open Ditch Culvert East Luther - Wellington TL	43.87942645	-80.40395307	17-547884m.E 4858653m.N	8465-8579 East Luther-Wellington North Townline Grand Valley Dufferin County ON NOG 1A0 CA			Circular	600	600	16	Corrugated Steel	1994	50	22	28	\$3,200	4	2	2	Not sure of size and condition, west end totally buried, east end I can only see top.	Very Poor	Almost Certain	Minor	H	3
8638		Crossroad Culvert	Open Ditch Culvert East Luther - Wellington TL	43.87606594	-80.4031806	17-547949m.E 4859280m.N	8465-8579 East Luther-Wellington North Townline Grand Valley Dufferin County ON NOG 1A0 CA			Circular	900	900	15.5	Corrugated Steel	1994	50	22	28	\$3,100	4	5	5	Dinged up on east side, west side good condition.	Average	Possible	Minor	M	2
8639		Crossroad Culvert	Open Ditch Culvert East Luther - Wellington TL	43.87394932	-80.40271104	17-547999m.E 4858045m.N	8465-8579 East Luther-Wellington North Townline Grand Valley Dufferin County ON NOG 1A0 CA			Circular	400	400	15	Corrugated Steel	1994	50	22	28	\$3,000	4	4	4	East side 1/2 buried, west 1/4 buried.	Poor	Likely	Minor	M	2
8640		Crossroad Culvert	Open Ditch Culvert East Luther - Wellington TL	43.86833311	-80.40153717	17-548087m.E 4857423m.N	8464-8578 East Luther-Wellington North Townline Wellington North Wellington County ON NOG 1A0 CA			Circular	750	750	16	Corrugated Steel	1994	50	22	28	\$3,200	4	4	4	East end is in rough shape, bend in pipe heading west.	Poor	Likely	Minor	M	2
8641		Crossroad Culvert	Open Ditch Culvert East Luther - Wellington TL	43.86833364	-80.40153953	17-548087m.E 4857423m.N	8464-8578 E West Luther-Tiine Wellington North Wellington County ON NOG 1A0 CA			Circular	400	400	15	Corrugated Steel	1994	50	22	28	\$3,000	4	7	7	Only found west end.	Good	Unlikely	Minor	L	1
8643		Crossroad Culvert	Open Ditch Culvert East Luther - Wellington TL	43.86839697	-80.40134968	17-548102m.E 4857429m.N	8465-8579 East Luther-Wellington North Townline Grand Valley Dufferin County ON NOG 1A0 CA			Circular	750	750	16	Corrugated Steel	1994	50	22	28	\$3,200	4	4	4	Both ends at bit rough, slight bend in the middle.	Poor	Likely	Minor	M	2
8644		Crossroad Culvert	Open Ditch Culvert - Concession 2-3	43.88342709	-80.39024303	17-548983m.E 4859105m.N	241109-241157 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 0R7 CA			Circular	1200	1200	20	Corrugated Steel	1994	50	22	28	\$4,000	4	6	6	Not bad flow. Mud at south end of csp.	Average	Possible	Minor	M	2
8645		Crossroad Culvert	Open Ditch Culvert - Sparrow St	43.89803687	-80.32542606	17-554176m.E 4860768m.N	24 Sparrow St. Grand Valley Dufferin County ON L9W 7P2 CA			Circular	600	600	19	HDPE	2020	100	98	2	\$5,000	10	9	9	Great shape.	Very Good	Rare	Minor	L	1
8646		Crossroad Culvert	Open Ditch Culvert - River St	43.89649951	-80.31337233	17-555145m.E 4900606m.N	7 River St. Grand Valley Dufferin County ON L9W 5N5 CA			Circular	400	400	24.3	HDPE	2020	100	98	2	\$6,000	10	9	9		Very Good	Rare	Minor	L	1
8647		Crossroad Culvert	Open Ditch Culvert - Water Street	43.889078	-80.31335679	17-555154m.E 4859781m.N	173162 Water St. Grand Valley Dufferin County ON L9W 0L6 CA			Circular	450	450	8	Corrugated Steel	2010	50	38	12	\$1,600	8	7	7	South end 3/4 filled with dirt, heading north to the catch basin. had 600mm PE south side of catch basin??	Good	Unlikely	Minor	L	1
8648		Crossroad Culvert	Open Ditch Culvert - Luther Road	43.90503564	-80.31633734	17-554900m.E 4861551m.N	12 Luther Rd. Grand Valley Dufferin County ON L9W 5R1 CA			Circular	600	600	27	Corrugated Steel	1972	50	0	50	\$5,400	0	4	4	Outfall 3/4 plugged, 600mm coming from catch basin manhole.	Poor	Likely	Minor	M	2
8649		Crossroad Culvert	Open Ditch Culvert - County Rd 25	43.90585211	-80.31675813	17-554805m.E 4861642m.N	173353 County Rd. 25 Grand Valley Dufferin County ON L0N 1G0 CA			Circular	600	600	27	Corrugated Steel	2011	50	39	11	\$5,400	8	5	5	Outfall 3/4 buried, hard to tell condition, not exposed.	Average	Possible	Minor	M	2
8650		Crossroad Culvert	Open Ditch Culvert - Concession 4-5	43.92288807	-80.32322462	17-554330m.E 4863531m.N	282358 Concession Rd 4-5 Grand Valley Dufferin County ON L9W 0L7 CA			Circular	600	600	29	Corrugated Steel	2021	50	49	1	\$5,800	10	10	10	New culvert installation. Crossed road on an angle. Rip rap washed into pipe	Very Good	Rare	Minor	L	1
8699		Crossroad Culvert	Open Ditch Culvert - Watson Road	43.88756968	-80.31025317	17-555404m.E 4859817m.N	Watson Rd.			Circular	400	400	3	Corrugated Steel	2011	50	39	11	\$600	8	6	6	Slight deviation. Conveys water adequately through boulevard.	Average	Possible	Minor	M	2

Storm Manhole Inventory

**Current Levels of Service
Replacement/Improvement Year Based on Current Levels Service**

Fixed Asset #	Asset Type / SubType	Asset Name	Road Name	Road From	Road To	Access diameter (mm)	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost	Condition Based On Useful Life	Assessed Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement Due To Minimal Maintenance Practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Year Replacement Applying Risk Score	Subsequent Replacement Year	Revised Remaining Useful Life
3162	Storm Manhole	Storm Manhole - Main Street	66 Main St. Grand Valley Dufferin County ON L9W 5S7 CA	Webb Street	Spruty Avenue		1969	100	74.7	25.3	\$ 3,710,000	5		7.4	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3164	Storm Manhole	Storm Manhole - Main Street	91 Main St. Grand Valley Dufferin County ON L9W 5S6 CA	Webb Street	Spruty Avenue		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3165	Storm Manhole	Storm Manhole - Main Street	66 Main St. Grand Valley Dufferin County ON L9W 5S7 CA	Amaranth Street	Webb Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3166	Storm Manhole	Storm Manhole - Main Street	57 Main St. Grand Valley Dufferin County ON L9W 5S6 CA	Amaranth Street	Webb Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3168	Storm Manhole	Storm Manhole - Main Street	27 Main St. Grand Valley Dufferin County ON L9W 5S6 CA	Amaranth Street	Webb Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3169	Storm Manhole	Storm Manhole - Main Street	42 Main St. Grand Valley Dufferin County ON L9W 5S7 CA	Amaranth Street	Webb Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3171	Storm Manhole	Storm Manhole - Main Street	21 Main St. Grand Valley Dufferin County ON L9W 5S6 CA	Amaranth Street	Webb Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3173	Storm Manhole	Storm Manhole - Main Street	15 Main St. Grand Valley Dufferin County ON L9W 5S6 CA	Amaranth Street	Webb Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3175	Storm Manhole	Storm Manhole - Main Street	11 Main St. Grand Valley Dufferin County ON L9W 5S6 CA	Amaranth Street	Webb Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3176	Storm Manhole	Storm Manhole - Main Street	11 Main St. Grand Valley Dufferin County ON L9W 5S6 CA	Amaranth Street	Webb Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3177	Storm Double Manhole	Storm Manhole - Main Street	40-46 Main St. Grand Valley Dufferin County ON L9W 5S8 CA	Mill Street	Amaranth Street		1969	100	47	53	\$40,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3183	Storm Manhole	Storm Manhole - Main Street	9 Mill St. Grand Valley Dufferin County ON L9W 5V8 CA	Water Street	Mill Street		1969	100	47	53	\$24,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3185	Storm Manhole	Storm Manhole - Main Street	55 Main St. Grand Valley Dufferin County ON L9W 5S8 CA	Water Street	Mill Street		1969	100	47	53	\$24,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3206	Storm Manhole	Storm Manhole - Main Street	Main Street From: River Street To: George Street	River Street	George Street	1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3208	Storm Manhole	Storm Manhole - Amaranth Street	50 Amaranth St. Grand Valley Dufferin County ON L9W 5L2 CA	Crozier Street	Pondsford Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3209	Storm Manhole	Storm Manhole - Amaranth Street	50 Amaranth St. Grand Valley Dufferin County ON L9W 5L2 CA	Crozier Street	Pondsford Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3225	Storm Manhole	Storm Manhole - Main Street	95 Main St. Grand Valley Dufferin County ON L9W 5S6 CA	Webb Street	Spruyt Avenue		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3238	Storm Manhole	Storm Manhole - Leeson Street	76 Leeson St. Grand Valley Dufferin County ON L9W 5S5 CA	175m South of Mill Street	Mill Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3239	Storm Manhole	Storm Manhole - Leeson Street	69 Leeson St. Grand Valley Dufferin County ON L9W 5S5 CA	175m South of Mill Street	Mill Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3257	Storm Manhole	Storm Manhole - Mill Street	7-15 Mill St. Grand Valley Dufferin County ON L9W 5V9 CA	Emma Street	Main Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3258	Storm Manhole	Storm Manhole - Mill Street	Mill Street	Main Street	King Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3268	Storm Manhole	Storm Manhole - Lower Crozier Street	Lower Crozier Street From: Gier Street To: End	Gier	To: End	1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3269	Storm Manhole	Storm Manhole - Crozier Street	Crozier Street From: Gier Street To: Webb Street	Gier Street	Webb Street		1200	1969	100	47	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3271	Storm Manhole	Storm Manhole - Crozier Street	Crozier Street From: Amaranth Street To: Gier Street	Amaranth Street	Gier Street		1200	1969	100	47	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
3576	Storm Manhole	Storm Manhole - Main Street	Main Street			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4113	Storm Manhole	Storm Manhole - Main Street	Main Street	Mill Street	Amaranth Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
4126	Storm Manhole	Stom Manhole - King @ Mill Street	18-30 King St. Grand Valley Dufferin County ON L9W 5V8 CA	Main Street	King Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
4127	Storm Manhole	Stom Manhole - King @ Mill Street	32 Mill St. Grand Valley Dufferin County ON L9W 5V8 CA	King Street	Pondsford Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
4129	Storm Manhole	Storm Manhole - Mill Street	2-12 Mill St. Grand Valley Dufferin County ON L9W 5V8 CA	Main Street	King Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
4132	Storm Manhole	Storm Manhole - Mill Street	38 Mill St. Grand Valley Dufferin County ON L9W 5V8 CA	King Street	Pondsford Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
4133	Storm Manhole	Storm Manhole - Mill Street	46 Mill St. Grand Valley Dufferin County ON L9W 5V8 CA	King Street	Pondsford Street		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
4155	Storm Manhole	CatchBasin - Mary Court	22-98 Mary Ct. Grand Valley Dufferin County ON L9W 5V7 CA	Luther Road	End (cul-de-sac)		1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
4170	Storm Manhole	Storm Manhole - Webb Street	14 Webb St. Grand Valley Dufferin County ON L9W 5Y4 CA	Main Street	Crozier Street		1969	100	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
4174	Storm Manhole	Storm Manhole - Melody Lane	Melody Lane			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4175	Storm Manhole	Storm Manhole - Melody Lane	Melody Lane			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4176	Storm Manhole	Storm Manhole - Melody Lane	Melody Lane			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4177	Storm Manhole	Storm Manhole - Leeson Street	Leeson Street			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4178	Storm Manhole	Storm Manhole - Leeson Street	Leeson Street			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4179	Storm Manhole	Storm Manhole - Monty Avenue	Monty Avenue			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4180	Storm Manhole	Storm Manhole - Leeson Street	Leeson Street			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4181	Storm Manhole	Storm Manhole - Leeson Street	Leeson Street			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4182	Storm Manhole	Storm Manhole - Leeson Street	Leeson Street			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4183	Storm Manhole	Storm Manhole - Leeson Street	Leeson Street			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4184	Storm Manhole	Storm Manhole - Leeson Street	Leeson Street			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71

Fixed Asset #	Asset Type / SubType	Asset Name	Road Name	Road From	Road To	Access diameter (mm)	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost	Condition Based On Useful Life	Assessed Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement Due To Minimal Maintenance Practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Year Replacement Applying Risk Score	Subsequent Replacement Year	Revised Remaining Useful Life
								100	74.7	25.3	\$ 3,710,000			7.4					1.4						
4185	Storm Manhole	Storm Manhole - Leeson Street	Leeson Street			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4186	Storm Manhole	Manhole - Emma Street	Emma Street			1500	1969	100	47	53	\$24,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4187	Storm Manhole	Manhole - Mill Street	Mill Street			1500	1969	100	47	53	\$24,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4188	Storm Manhole	Manhole - Amaranth Street	Amaranth Street			1500	1969	100	47	53	\$24,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4189	Storm Manhole	Manhole - Main Street	Main Street			1500	1969	100	47	53	\$24,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4190	Storm Manhole	Manhole - Luther Road	Luther Road			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4191	Storm Manhole	Manhole - Luther Road	Luther Road			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4192	Storm Manhole	Manhole - Luther Road	Luther Road			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4193	Storm Manhole	Manhole - Luther Road	Luther Road			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4194	Storm Manhole	Manhole - Crozier Street	Crozier Street			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4195	Storm Manhole	Manhole - Crozier Street	Crozier Street			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4196	Storm Manhole	Manhole - Crozier Street	Crozier Street			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4197	Storm Manhole	Manhole - Crozier Street	Crozier Street			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4198	Storm Manhole	Manhole - Crozier Street	Crozier Street			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4199	Storm Manhole	Manhole - Crozier Street	Crozier Street			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4200	Storm Manhole	Manhole - Crozier Street	Crozier Street			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4244	Storm Manhole	Manhole - Leeson Street	Leeson Street	Amaranth Street	Douglas Street	1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
4425	Storm Manhole	STORM MANHOLE #1	STORM MANHOLE #1			1800	2014	100	92	8	\$26,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	2114	2214	93
4426	Storm Manhole	STORM MANHOLE #2	STORM MANHOLE #2			1800	2014	100	92	8	\$26,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	2114	2214	93
4427	Storm Manhole	STORM MANHOLE #3	STORM MANHOLE #3			2400	2014	100	92	8	\$30,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	2114	2214	93
4428	Storm Manhole	STORM MANHOLE #4	STORM MANHOLE #4			2400	2014	100	92	8	\$30,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	2114	2214	93
4429	Storm Manhole	STORM MANHOLE #5	STORM MANHOLE #5			1200	2014	100	92	8	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	2114	2214	93
4430	Storm Manhole	STORM MANHOLE #6	STORM MANHOLE #6			1800	2014	100	92	8	\$26,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	2114	2214	93
4512	Storm Manhole	Manhole - Amaranth Street	Amaranth Street	Main Street		1800	1975	100	53	47	\$26,000	5		5	Average	Possible	Moderate	M	2	2065	10	2075	2075	2175	53
4527	Storm Manhole	Storm Manhole - Main Street	173353 Main St N Grand Valley Dufferin County ON L0N 1G0 CA				1996	100	74	26	\$22,000	7		7	Good	Unlikely	Moderate	M	2	2086	10	2096	2096	2196	74
4563	Storm Manhole	Manhole - Amaranth Street	Amaranth Street	Leeson Street	Taylor Drive	1500	2013	100	91	9	\$24,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	91
4565	Storm Manhole	Manhole - Amaranth Street	Amaranth Street	Leeson Street	Taylor Drive	1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	91
4583	Storm Manhole	Manhole - Grundy Street	Grundy Crescent			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	91
4603	Storm Manhole	Manhole - Gier Street	28 Gier St. Grand Valley Dufferin County ON L9W 5R3 CA				1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
4614	Storm Manhole	Manhole - Leeson Street	49 Leeson St. Grand Valley Dufferin County ON L9W 5S4 CA				1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	47
4620	Storm Manhole	Storm Manhole - Taylor at south of Storm Pond on East	Taylor at south of Storm Pond on East			2400	2013	100	91	9	\$30,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4621	Storm Manhole	Storm Manhole - William Street at Lesson	William Street at Lesson			2400	2013	100	91	9	\$30,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4623	Storm Manhole	Storm Manhole - William Street between Lesson and Emma	William Street between Lesson and Emma			2400	2013	100	91	9	\$30,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4624	Storm Manhole	Storm Manhole - William Street at Emma	William Street at Emma			2400	2013	100	91	9	\$30,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4625	Storm Manhole	Storm Manhole - William Street at Water Street	William Street at Water Street			3900 x 2400	2013	100	91	9	\$30,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4632	Storm Manhole	Storm Manhole - Mill Street	Mill Street			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4633	Storm Manhole	Sanitary Manhole - Mill Street	Mill Street			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4634	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4635	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4636	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4637	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4638	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4639	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92

Fixed Asset #	Asset Type / SubType	Asset Name	Road Name	Road From	Road To	Access diameter (mm)	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost	Condition Based On Useful Life	Assessed Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement Due To Minimal Maintenance Practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Year Replacement Applying Risk Score	Subsequent Replacement Year	Revised Remaining Useful Life
								100	74.7	25.3	\$ 3,710,000			7.4					1.4						
4640	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4641	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4642	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4643	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4663	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1500	2013	100	91	9	\$24,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4664	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1500	2013	100	91	9	\$24,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4665	Storm Manhole	Storm Manhole with flow splitter and 200mm concrete weir - Taylor Drive	Taylor Drive			1500	2013	100	91	9	\$24,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4666	Storm Manhole	Storm Manhole - Melody Lane	Melody Lane			1800	2013	100	91	9	\$26,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4667	Storm Manhole	Storm Manhole - Melody Lane	Melody Lane			1500	2013	100	91	9	\$24,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4668	Storm Manhole	Storm Manhole - Melody Lane	Melody Lane			1500	2013	100	91	9	\$24,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4669	Storm Manhole	Storm Manhole - Melody Lane	Melody Lane			1500	2013	100	91	9	\$24,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4670	Storm Manhole	Storm Manhole - Water Street	Water Street			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4671	Storm Manhole	Storm Manhole - Taylor Drive between Mill and William	Taylor Drive between Mill and William			2400	2013	100	91	9	\$30,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4672	Storm Manhole	Storm Manhole - Taylor at south of the Storm Pond	Taylor at south of the Storm Pond			2400	2013	100	91	9	\$30,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4676	Storm Manhole	Storm Manhole - Water Street	Water Street			1500	1992	100	70	30	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2082	10	2092	2092	2192	71
4678	Storm Manhole	Storm Manhole - Monty Avenue	Monty Avenue			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4679	Storm Manhole	Storm Manhole - Taylor Drive south of Amaranth (east side)	Taylor Drive south of Amaranth (east side)			2400	2013	100	91	9	\$30,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4680	Storm Manhole	Storm Manhole - Taylor Drive north of Mill	Taylor Drive north of Mill			2400	2013	100	91	9	\$30,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4681	Storm Manhole	Storm Manhole - Taylor Drive at Mill	Taylor Drive at Mill			2400	2013	100	91	9	\$30,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4682	Storm Manhole	Storm Manhole - Taylor Drive south of Amaranth	Taylor Drive south of Amaranth			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4683	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4684	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4685	Storm Manhole	Storm Manhole - Taylor Drive	Taylor Drive			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4686	Storm Manhole	Storm Manhole - Mill Street	Mill Street			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4690	Storm Manhole	Storm Manhole - Emma Street	Emma Street			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
4692	Storm Manhole	Storm Manhole - Luther Road	Luther Road			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4693	Storm Manhole	Storm Manhole - Joyce Court	Joyce Court			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
4694	Storm Manhole	Storm Manhole - William Street - North Backyard	North Backyard			1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
5240	Storm Manhole	Storm Runoff Manhole - Rear Lot - 26 Mount Haven Crescent	26 Mount Haven Crescent			2400	1995	100	73	27	\$30,000	7		7	Good	Unlikely	Moderate	M	2	2085	10	2095	2095	2195	74
5241	Storm Manhole	Storm Runoff Manhole - Rear Lot - 24 Mount Haven Crescent	24 Mount Haven Crescent			1500	1995	100	73	27	\$24,000	7		7	Good	Unlikely	Moderate	M	2	2085	10	2095	2095	2195	74
5335	Storm Manhole	Storm Runoff Manhole - Wastewater Treatment Plant - Industrial Road	Industrial Road			1500	2013	100	91	9	\$24,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	92
5337	Storm Manhole	Storm Runoff Manhole - Rear Lot, East of Crozier Street	Rear Lot, East of Crozier Street			1200	1969	100	47	53	\$22,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	2069	2169	48
5563	Storm Manhole	Manhole - Amaranth Street	Amaranth Street	Mayberry Drive		1200	2013	100	91	9	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	91
5567	Storm Manhole	Manhole - Meldy Lane	Melody Lane			1500	2013	100	91	9	\$24,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	2113	2213	91
7300	Storm Manhole	Storm Manhole - Beam Street	Beam Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7301	Storm Manhole	Storm Manhole - Beam Street	Beam Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7302	Storm Manhole	Storm Manhole - Beam Street	Beam Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7303	Storm Manhole	Storm Manhole - Beam Street	Beam Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7304	Storm Manhole	Storm Manhole - Beam Street	Beam Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7305	Storm Manhole	Storm Manhole - Beam Street	Beam Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7306	Storm Manhole	Storm Manhole - Beam Street	Beam Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7307	Storm Manhole	Storm Manhole - Hillborn Street	Hillborn Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94

Fixed Asset #	Asset Type / SubType	Asset Name	Road Name	Road From	Road To	Access diameter (mm)	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost	Condition Based On Useful Life	Assessed Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement Due To Minimal Maintenance Practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Year Replacement Applying Risk Score	Subsequent Replacement Year	Revised Remaining Useful Life
								100	74.7	25.3	\$ 3,710,000			7.4					1.4						
7308	Storm Manhole	Storm Manhole - Hillborn Street	Hillborn Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7309	Storm Manhole	Storm Manhole - Hillborn Street	Hillborn Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7310	Storm Manhole	Storm Manhole - Hillborn Street	Hillborn Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7311	Storm Manhole	Storm Manhole - Mayberry Drive	Mayberry Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7312	Storm Manhole	Storm Manhole - Mayberry Drive	Mayberry Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7313	Storm Manhole	Storm Manhole - Mayberry Drive	Mayberry Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7314	Storm Manhole	Storm Manhole - Mayberry Drive	Mayberry Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7315	Storm Manhole	Storm Manhole - MacIntyre Lane	MacIntyre Lane			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7316	Storm Manhole	Storm Manhole - Mayberry Drive	Mayberry Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7317	Storm Manhole	Storm Manhole - Mayberry Drive	Mayberry Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7318	Storm Manhole	Storm Manhole - MacIntyre Lane	MacIntyre Lane			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7319	Storm Manhole	Storm Manhole - MacIntyre Lane	MacIntyre Lane			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7320	Storm Manhole	Storm Manhole - Mayberry Drive	Mayberry Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7321	Storm Manhole	Storm Manhole - Ritchie Drive	Ritchie Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7322	Storm Manhole	Storm Manhole - Ritchie Drive	Ritchie Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7323	Storm Manhole	Storm Manhole - Ritchie Drive	Ritchie Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7324	Storm Manhole	Storm Manhole - Ritchie Drive	Ritchie Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7325	Storm Manhole	Storm Manhole - Ritchie Drive	Ritchie Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7326	Storm Manhole	Storm Manhole - Ritchie Drive	Ritchie Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7327	Storm Manhole	Storm Manhole - Ritchie Drive	Ritchie Drive			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7328	Storm Manhole	Storm Manhole - Stuckey Lane	Stuckey Lane			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7329	Storm Manhole	Storm Manhole - Hunt Street	Hunt Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7330	Storm Manhole	Storm Manhole - Jenkins Street	Jenkins Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7331	Storm Manhole	Storm Manhole - Hunt Street	Hunt Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7332	Storm Manhole	Storm Manhole - Hunt Street	Hunt Street			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7333	Storm Manhole	Storm Manhole - Stuckey Lane	Stuckey Lane			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7334	Storm Manhole	Storm Manhole - Stuckey Lane	Stuckey Lane			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7335	Storm Manhole	Storm Manhole - Stuckey Lane	Stuckey Lane			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7336	Storm Manhole	Storm Manhole - Stuckey Lane	Stuckey Lane			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7337	Storm Manhole	Storm Manhole - Stuckey Lane	Stuckey Lane			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94
7338	Storm Manhole	Storm Manhole - MacIntyre Lane	MacIntyre Lane			1200	2015	100	93	7	\$22,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	94

Storm - Gravity Main Inventory - Tax Funded

Current Levels of Service

Fixed Asset #	Asset Type Sub-Type	Asset Name	Street ID	Street Name	From	To	Diameter (mm)	Length (m)	Material	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost (2022)	Condition Based On Useful Life	Inspection Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Year Replacement Applying Risk Score	Revised Remaining Useful Life
								12,168			97	71	27	6,630,110			7					1					
3272	Storm/Sanitary - Gravity Main	Storm Sewer - King Street		King Street	Mill Street	Amaranth Street	300	17.7	Concrete Pipe	1969	100	47	53	\$6,195	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3273	Storm/Sanitary - Gravity Main	Storm Sewer - King Street		King Street	Mill Street	Amaranth Street	300	19	Concrete Pipe	1969	100	47	53	\$6,650	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3274	Storm/Sanitary - Gravity Main	Storm Sewer - Amaranth Street		Amaranth Street	Crozier Street	Pondsford Street	375	14.6	Concrete Pipe	1969	100	47	53	\$5,110	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3275	Storm/Sanitary - Gravity Main	Storm Sewer - Amaranth Street		Amaranth Street	King Street	Crozier Street	375	36.8	Concrete Pipe	1969	100	47	53	\$12,880	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3276	Storm/Sanitary - Gravity Main	Storm Sewer - Amaranth Street		Amaranth Street			375	9.1	Concrete Pipe	1969	100	47	53	\$3,185	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3277	Storm/Sanitary - Gravity Main	Storm Sewer - Ponsford Road		Ponsford Street	Mill Street	Amaranth Street	450	72.4	Concrete Pipe	1969	100	47	53	\$28,960	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3278	Storm/Sanitary - Gravity Main	Storm Sewer - Ponsford Street		Ponsford Street	Mill Street	Amaranth Street	450	20.2	Concrete Pipe	1969	100	47	53	\$8,080	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3280	Storm/Sanitary - Gravity Main	Storm Sewer - Ponsford Street		Ponsford Street	Mill Street	Amaranth Street	450	72.6	Concrete Pipe	1969	100	47	53	\$29,040	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3283	Storm/Sanitary - Gravity Main	Storm Sewer - Mill Street		Mill Street	Main Street	East Back Lane	250	32.4	Concrete Pipe	1969	100	47	53	\$11,340	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3284	Storm/Sanitary - Gravity Main	Storm Sewer - Mill Street		Mill Street	Main Street	King Street	250	52.2	Concrete Pipe	1969	100	47	53	\$18,270	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3285	Storm/Sanitary - Gravity Main	Storm Sewer - Catch Basin Lead - Mill Street		Mill Street	Main Street	King Street	250	2.7	Concrete Pipe	1969	100	47	53	\$945	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3286	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street	Water Street	Mill Street	1220	22.4	Concrete Pipe	1969	100	47	53	\$28,000	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3287	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street	Water Street	Mill Street	300	10.8	Concrete Pipe	1969	100	47	53	\$3,780	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3288	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street	Water Street	Mill Street	1220	70.2	Concrete Pipe	1969	100	47	53	\$87,750	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3289	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street	Water Street	Mill Street	1220	51.2	Concrete Pipe	1969	100	47	53	\$64,000	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3290	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street			1220	55	Concrete Pipe	1969	100	47	53	\$68,750	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3291	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street			1220	89	Concrete Pipe	1969	100	47	53	\$111,250	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3292	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street	Water Street	Mill Street	1220	20.1	Concrete Pipe	1969	100	47	53	\$25,125	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3293	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street	Mill Street	Amaranth Street	1220	50.4	Concrete Pipe	1969	100	47	53	\$63,000	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3294	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street	Mill Street	Amaranth Street	1220	47.4	Concrete Pipe	1969	100	47	53	\$59,250	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3295	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street	Mill Street	Amaranth Street	1220	49.7	Concrete Pipe	1969	100	47	53	\$62,125	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3298	Storm/Sanitary - Gravity Main	Storm Sewer - Crozier Street		Crozier Street	Amaranth Street	Gier Street	375	51.4	Concrete Pipe	1969	100	47	53	\$17,990	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3299	Storm/Sanitary - Gravity Main	Storm Sewer - Crozier Street		Crozier Street	Amaranth Street	Gier Street	375	12.6	Concrete Pipe	1969	100	47	53	\$4,410	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3300	Storm/Sanitary - Gravity Main	Storm Sewer - Crozier Street		Crozier Street	Gier Street	Webb Street	375	8.7	Concrete Pipe	1969	100	47	53	\$3,045	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3301	Storm/Sanitary - Gravity Main	Storm Sewer - King Street		King Street	East Back Lane	King Street	300	55.2	Concrete Pipe	1969	100	47	53	\$19,320	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3302	Storm/Sanitary - Gravity Main	Storm Sewer Outfall - Main Street		Main Street	Water Street	Mill Street	450	20.5	Concrete Pipe	1969	100	47	53	\$8,200	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3303	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street			300	58	Concrete Pipe	1969	100	47	53	\$20,300	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3304	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street	River Street	George Street	300	8.6	Concrete Pipe	1969	100	47	53	\$3,010	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3305	Storm/Sanitary - Gravity Main	Storm Sewer - Mill Street		Mill Street			300	11	Concrete Pipe	1969	100	47	53	\$3,850	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3306	Storm/Sanitary - Gravity Main	Storm Sewer - Mill Street		Mill Street	Emma Street	West Bank Alley	250	23.2	Concrete Pipe	1969	100	47	53	\$8,120	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3307	Storm/Sanitary - Gravity Main	Storm Sewer - Mill Street		Mill Street	Emma Street	West Bank Alley	300	74.3	Concrete Pipe	1969	100	47	53	\$26,005	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3308	Storm/Sanitary - Gravity Main	Storm Sewer - Mill Street		Mill Street	Leeson Street	Emma Street	200	32.5	Concrete Pipe	1969	100	47	53	\$11,375	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3309	Storm/Sanitary - Gravity Main	Storm Sewer - Mill Street		Mill Street	Leeson Street	Emma Street	250	32.9	Concrete Pipe	1969	100	47	53	\$11,515	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3310	Storm/Sanitary - Gravity Main	Storm Sewer - Amaranth Street		Amaranth Street	Leeson Street	Emma Street	250	51.2	Concrete Pipe	1969	100	47	53	\$17,920	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3311	Storm/Sanitary - Gravity Main	Storm Sewer - Amaranth Street		Amaranth Street	Leeson Street	Emma Street	250	55.1	Concrete Pipe	1969	100	47	53	\$19,285	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3312	Storm/Sanitary - Gravity Main	Storm Sewer - Lesson Street		Leeson Street	Mill Street	Amaranth Street	250	9.8	Concrete Pipe	1969	100	47	53	\$3,430	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3313	Storm/Sanitary - Gravity Main	Storm Sewer - Concession Road 2-3		Concession Road 2-3	Sideroad 28-29	Leeson Street	250	49.8	Concrete Pipe	1969	100	47	53	\$17,430	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3314	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street			1350	11.5	Concrete Pipe	1969	100	47	53	\$15,525	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3315	Storm/Sanitary - Gravity Main	Storm Sewer - Mill Street		Mill Street			1350	10	Concrete Pipe	1969	100	47	53	\$13,500	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3316	Storm/Sanitary - Gravity Main	Storm Sewer - Main Street		Main Street			1350	6	Concrete Pipe	1969	100	47	53	\$8,100	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3317	Storm/Sanitary - Gravity Main	Storm Sewer Outfall - Main Street		Main Street	Water Street	River Street	1350	25.6	Concrete Pipe	1969	100	47	53	\$34,560	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4201	Storm/Sanitary - Gravity Main	Storm Sewer		Melody Lane	Water Street	Leeson Street	750	78.9	Concrete Pipe	1992	100	70	30	\$39,450	7		7	Good	Unlikely	Minor	L	1	2082	10	2092	2092	70
4202	Storm/Sanitary - Gravity Main	Storm Sewer		Monty Avenue	Leeson Street	End	375	55.4	Concrete Pipe	1992	100	70	30	\$19,390	7		5	Average	Possible	Minor	M	2	2082	10	2092	2092	70
4203	Storm/Sanitary - Gravity Main	Storm Sewer		Leeson Street	175m S Of Mill Street	Mill Street	525	25.5	Concrete Pipe	1992	100	70	30	\$12,750	7		5	Average	Possible	Minor	M	2	2082	10	2092	2092	70
4204	Storm/Sanitary - Gravity Main	Storm Sewer		Leeson Street	175m S Of Mill Street	Mill Street	600	78.7	Concrete Pipe	1992	100	70	30	\$39,350	7		5	Average	Possible	Minor	M	2	2082	10	2092	2092	70
4205	Storm/Sanitary - Gravity Main	Storm Sewer		Leeson Street	175m S Of Mill Street	Mill Street	675	100.2	Concrete Pipe	1992	100	70	30	\$50,100	7		5	Average	Possible	Minor	M	2	2082	10	2092	2092	70
4206	Storm/Sanitary - Gravity Main	Storm Sewer		Leeson Street	175m S Of Mill Street	Mill Street	675	100.1	Concrete Pipe	1992	100	70	30	\$50,050	7		5	Average	Possible	Minor	M	2	2082	10	2092	2092	70
4207	Storm/Sanitary - Gravity Main	Storm Sewer		Leeson Street	175m S Of Mill Street	Mill Street	750	82.4	Concrete Pipe	1992	100	70	30	\$41,200	7		5	Average	Possible	Minor	M	2	2082	10	2092	2092	70
4208	Storm/Sanitary - Gravity Main	Storm Sewer		Leeson Street	175m S Of Mill Street	Mill Street	750	95	Concrete Pipe	1992	100	70	30	\$47,500	7		5	Average	Possible	Minor	M	2	2082	10	2092	2092	70
4209	Storm/Sanitary - Gravity Main	Storm Sewer		Leeson Street	Melody Lane	175 M S. Of Mill Street	750	59	Concrete Pipe	1992	100	70	30	\$29,500	7		7	Good	Unlikely	Minor	L	1	2082	10	2092	2092	70
4210	Storm/Sanitary - Gravity Main	Storm Sewer		Leeson Street	Melody Lane	175 M S. Of Mill Street	750	36	Concrete Pipe	1992	100	70	30	\$18,000	7		7	Good	Unlikely	Minor	L	1	2082	10	2092	2092	70
4211	Storm/Sanitary - Gravity Main	Storm Sewer		Melody Lane	Water Street	Leeson Street	750	55.1	Concrete Pipe	1992	100	70	30	\$27,550	7		7	Good	Unlikely	Minor	L	1	2082	10	2092	2092	70

Fixed Asset #	Asset Type Sub-Type	Asset Name	Street ID	Street Name	From	To	Diameter (mm)	Length (m)	Material	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost (2022)	Condition Based On Useful Life	Inspection Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Year Replacement Applying Risk Score	Revised Remaining Useful Life
4248	Storm/Sanitary - Gravity Main	Storm Sewer		Main Street			1200	11	Concrete Pipe	1969	100	47	53	\$13,750	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4249	Storm/Sanitary - Gravity Main	Storm Sewer					900	22	Concrete Pipe	1969	100	47	53	\$13,200	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4413	Storm/Sanitary - Gravity Main	STORM SEWER FR:HEADWALL TO MANHOLE #1		Emma Street - Inland	Amaranth Street	Douglas Street	900	2.4	Concrete Pipe	2014	100	92	8	\$1,440	9		9	Very Good	Rare	Minor	L	1	2104	10	2114	2114	92
4414	Storm/Sanitary - Gravity Main	STORM SEWER FR:MANHOLE #1 TO:MANHOLE #2		Emma Street - Inland	Amaranth Street	Douglas Street	900	20	Concrete Pipe	2014	100	92	8	\$12,000	9		9	Very Good	Rare	Minor	L	1	2104	10	2114	2114	92
4415	Storm/Sanitary - Gravity Main	STORM SEWER FR:MANHOLE #2 TO:MANHOLE #3		Emma Street	Amaranth Street	Douglas Street	900	33.7	Concrete Pipe	2014	100	92	8	\$20,220	9		9	Very Good	Rare	Minor	L	1	2104	10	2114	2114	92
4416	Storm/Sanitary - Gravity Main	STORM SEWER FR:MANHOLE #3 TO:MANHOLE #4		Emma Street	Amaranth Street	Douglas Street	900	37	Concrete Pipe	2014	100	92	8	\$22,200	9		9	Very Good	Rare	Minor	L	1	2104	10	2114	2114	92
4417	Storm/Sanitary - Gravity Main	STORM SEWER - AMARANTH ST FR:MANHOLE #6 TO: MAIN ST CATCH BASIN		Amaranth Street	Emma Street	Main Street	975	18.5	Concrete Pipe	2014	100	92	8	\$11,100	9		9	Very Good	Rare	Minor	L	1	2104	10	2114	2114	92
4419	Storm/Sanitary - Gravity Main	STORM SEWER - AMARANTH ST FR:MANHOLE #4 TO:MANHOLE #6		Amaranth Street	Emma Street	Main Street	975	111.5	Concrete Pipe	2014	100	92	8	\$66,900	9		9	Very Good	Rare	Minor	L	1	2104	10	2114	2114	92
4420	Storm/Sanitary - Gravity Main	STORM SEWER - AMARANTH ST FR:MANHOLE #4 TO:DB CATCH BASIN W OF EM/AM INTERSECTION		Amaranth Street	Leeson Street	Emma Street	375	15	Concrete Pipe	2014	100	92	8	\$5,250	9		9	Very Good	Rare	Minor	L	1	2104	10	2114	2114	92
4421	Storm/Sanitary - Gravity Main	STORM SEWER - EMMA ST FR:MANHOLE #5 TO:MANHOLE #5		Emma Street	Mill Street	Amaranth Street	375	28	Concrete Pipe	2014	100	92	8	\$9,800	9		9	Very Good	Rare	Minor	L	1	2104	10	2114	2114	92
4423	Storm/Sanitary - Gravity Main	STORM SEWER FR:E OF EMMA INLAND CATCH BASIN TO:MANHOLE #7		West Bank Alley	Mill Street	Amaranth Street	450	9	Concrete Pipe	2014	100	92	8	\$3,600	9		9	Very Good	Rare	Minor	L	1	2104	10	2114	2114	92
4697	Storm/Sanitary - Gravity Main	250 mm Concrete Pipe Storm Sewer - Luther Road		Luther Road			250	15.8	Concrete Pipe	1969	100	47	53	\$5,530	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4698	Storm/Sanitary - Gravity Main	250 mm Concrete Pipe Storm Sewer - Luther Road		Luther Road			250	45.7	Concrete Pipe	1969	100	47	53	\$15,995	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4700	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Luther Road		Luther Road			300	32.3	Concrete Pipe	1969	100	47	53	\$11,305	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4701	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Luther Road		Luther Road			300	42.2	Concrete Pipe	1969	100	47	53	\$14,770	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4704	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Amaranth Street		Amaranth Street			300	8.8	Concrete Pipe	1969	100	47	53	\$3,080	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4705	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Concession Road 2-3		Concession Road 2-3			300	36.7	Concrete Pipe	1969	100	47	53	\$12,845	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4706	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Concession Road 2-3		Concession Road 2-3			300	27.5	Concrete Pipe	1969	100	47	53	\$9,625	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4707	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Concession Road 2-3		Concession Road 2-3			300	48.9	Concrete Pipe	1969	100	47	53	\$17,115	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4708	Storm/Sanitary - Gravity Main	250 mm Concrete Pipe Storm Sewer - Mill Street		Mill Street	Emma Street	West Bank Alley	250	18.5	Concrete Pipe	1969	100	47	53	\$6,475	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4709	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Concession Road 2-3		Concession Road 2-3			300	42.5	Concrete Pipe	1969	100	47	53	\$14,875	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4711	Storm/Sanitary - Gravity Main	450 mm Concrete Pipe Storm Sewer - Luther Road		Luther Road			450	47.3	Concrete Pipe	1969	100	47	53	\$18,920	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4712	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Webb Street		Webb Street			300	60.2	Concrete Pipe	1969	100	47	53	\$21,070	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4713	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Douglas Street		Douglas Street			300	35.3	Concrete Pipe	1969	100	47	53	\$12,355	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4714	Storm/Sanitary - Gravity Main	450 mm Concrete Pipe Storm Sewer - Main Street		Main Street	Amaranth Street		450	22.6	Concrete Pipe	1969	100	47	53	\$9,040	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4715	Storm/Sanitary - Gravity Main	500 mm Concrete Pipe Storm Sewer - Main Street		Main Street	Amaranth Street		500	20.4	Concrete Pipe	1969	100	47	53	\$10,200	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4718	Storm/Sanitary - Gravity Main	1000 mm Concrete Pipe Storm Sewer - Mill Street South Backyard		West Bank Alley	Mill Street		1000	37	Concrete Pipe	1969	100	47	53	\$46,250	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4719	Storm/Sanitary - Gravity Main	1500 mm Concrete Pipe Storm Sewer - William Street		William Street			1500	67.2	Concrete Pipe	2013	100	91	9	\$90,720	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4720	Storm/Sanitary - Gravity Main	1500 mm Concrete Pipe Storm Sewer - William Street		William Street			1500	79.9	Concrete Pipe	2013	100	91	9	\$107,865	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4721	Storm/Sanitary - Gravity Main	1500 mm Concrete Pipe Storm Sewer - William Street		William Street			1500	24	Concrete Pipe	2013	100	91	9	\$32,400	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4722	Storm/Sanitary - Gravity Main	Other (See Notes) Concrete Pipe ASTM C 507M HE-1 STORM, Elliptical slm 1220x1920 - William Street		William Street			1920	82.2	Concrete Pipe	2013	100	91	9	\$135,630	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4723	Storm/Sanitary - Gravity Main	Other (See Notes) Concrete Pipe ASTM C 507M HE-1 STORM, Elliptical slm 1220x1920 - 1-11 Water St.		Water Street	William		1920	20.4	Concrete Pipe	2013	100	91	9	\$33,660	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4724	Storm/Sanitary - Gravity Main	1200 mm Concrete Pipe Storm Sewer - William Street		William Street			1200	22	Concrete Pipe	2013	100	91	9	\$27,500	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4730	Storm/Sanitary - Gravity Main	1200 mm Concrete Pipe Storm Sewer - William Street		William Street			1200	6.6	Concrete Pipe	2013	100	91	9	\$8,250	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4735	Storm/Sanitary - Gravity Main	600 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			600	100	Concrete Pipe	2013	100	91	9	\$50,000	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4736	Storm/Sanitary - Gravity Main	525 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			525	88.9	Concrete Pipe	2013	100	91	9	\$44,450	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4737	Storm/Sanitary - Gravity Main	375 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			375	47.9	Concrete Pipe	2013	100	91	9	\$16,765	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4739	Storm/Sanitary - Gravity Main	450 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			450	89.9	Concrete Pipe	2013	100	91	9	\$35,960	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4753	Storm/Sanitary - Gravity Main	1200 mm Concrete Pipe Outlet Storm Sewer - Taylor Drive		Taylor Drive			1200	71.8	Concrete Pipe	2013	100	91	9	\$89,750	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4754	Storm/Sanitary - Gravity Main	1200 mm Concrete Pipe Outlet Storm Sewer - Taylor Drive		Taylor Drive			1200	87.7	Concrete Pipe	2013	100	91	9	\$109,625	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4755	Storm/Sanitary - Gravity Main	1200 mm Concrete Pipe Outlet Storm Sewer - Taylor Drive		Taylor Drive			1200	58.9	Concrete Pipe	2013	100	91	9	\$73,625	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4756	Storm/Sanitary - Gravity Main	1200 mm Concrete Pipe Outlet Storm Sewer - Taylor Drive		Taylor Drive			1200	82.8	Concrete Pipe	2013	100	91	9	\$103,500	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4758	Storm/Sanitary - Gravity Main	525 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			525	87.9	Concrete Pipe	2013	100	91	9	\$43,950	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4760	Storm/Sanitary - Gravity Main	750 mm Concrete Pipe Storm Sewer - Melody Lane		Melody Lane			750	55	Concrete Pipe	2013	100	91	9	\$27,500	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4761	Storm/Sanitary - Gravity Main	750 mm Concrete Pipe Storm Sewer - Melody Lane		Melody Lane			750	21.2	Concrete Pipe	2013	100	91	9	\$10,600	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4762	Storm/Sanitary - Gravity Main	750 mm Concrete Pipe Storm Sewer - Melody Lane		Melody Lane			750	16.5	Concrete Pipe	2013	100	91	9	\$8,250	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4763	Storm/Sanitary - Gravity Main	750 mm Concrete Pipe Storm Sewer - Melody Lane		Melody Lane			750	81	Concrete Pipe	2013	100	91	9	\$40,500	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4764	Storm/Sanitary - Gravity Main	750 mm Concrete Pipe Storm Sewer - Melody Lane		Melody Lane			750	27	Concrete Pipe	2013	100	91	9	\$13,500	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4765	Storm/Sanitary - Gravity Main	750 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			750	25.2</																			

Fixed Asset #	Asset Type Sub-Type	Asset Name	Street ID	Street Name	From	To	Diameter (mm)	Length (m)	Material	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost (2022)	Condition Based On Useful Life	Inspection Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels Replacement Year	Year Replacement Applying Risk Score	Revised Remaining Useful Life
4770	Storm/Sanitary - Gravity Main	750 mm Concrete Pipe Storm Sewer - Mill Street East of Taylor Drive		Mill Street East of Taylor Drive			750	26.3	Concrete Pipe	2013	100	91	9	\$13,150	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4771	Storm/Sanitary - Gravity Main	1200 mm Concrete Pipe Outlet Storm Sewer - Taylor Drive		Taylor Drive			1200	88	Concrete Pipe	2013	100	91	9	\$110,000	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4772	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Taylor Drive East Backyard		Taylor Drive East Backyard			300	11.6	Concrete Pipe	2013	100	91	9	\$4,060	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4773	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Taylor Drive East Backyard		Taylor Drive East Backyard			300	40.3	Concrete Pipe	2013	100	91	9	\$14,105	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4774	Storm/Sanitary - Gravity Main	1200 mm Concrete Pipe Storm Sewer - William Street		William Street			1200	17.9	Concrete Pipe	2013	100	91	9	\$22,375	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4777	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Road Allowance for future development (off Taylor Dr. west)		Road Allowance for future development			300	53.9	Concrete Pipe	2013	100	91	9	\$18,865	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4778	Storm/Sanitary - Gravity Main	600 mm Concrete Pipe Storm Sewer - Road Allowance next to Taylor Dr Park		Road Allowance next to the Park for future development			600	51.2	Concrete Pipe	2013	100	91	9	\$25,600	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4782	Storm/Sanitary - Gravity Main	250 mm Concrete Pipe Storm Sewer - Concession Rd 2-3		Concession Rd 2-3			250	25.8	Concrete Pipe	2013	100	91	9	\$9,030	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4784	Storm/Sanitary - Gravity Main	250 mm Concrete Pipe Rearlot Catchbasin Lead - Concession Rd 2-3		Concession Rd 2-3			250	25.4	Concrete Pipe	2013	100	91	9	\$8,890	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4786	Storm/Sanitary - Gravity Main	250 mm Concrete Pipe Storm Sewer - Concession Rd 2-3		Concession Rd 2-3			250	34.5	Concrete Pipe	2013	100	91	9	\$12,075	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4787	Storm/Sanitary - Gravity Main	250 mm Concrete Pipe Storm Sewer - Concession Rd 2-3		Concession Rd 2-3			250	40.2	Concrete Pipe	2013	100	91	9	\$14,070	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4788	Storm/Sanitary - Gravity Main	375 mm Concrete Pipe Rearlot Catchbasin Lead - Mill Street		Mill Street			375	16.6	Concrete Pipe	2013	100	91	9	\$5,810	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4789	Storm/Sanitary - Gravity Main	375 mm Concrete Pipe Rearlot Catchbasin Lead - Mill Street		Mill Street			375	15.9	Concrete Pipe	2013	100	91	9	\$5,565	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4791	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			300	11.8	Concrete Pipe	2013	100	91	9	\$4,130	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4793	Storm/Sanitary - Gravity Main	750 mm Concrete Pipe Storm Sewer - Water Street		Water Street			750	15.3	Concrete Pipe	1992	100	70	30	\$7,650	7		7	Good	Unlikely	Minor	L	1	2082	10	2092	2092	70
4794	Storm/Sanitary - Gravity Main	750 mm Concrete Pipe Storm Sewer - Water Street		Water Street			750	26.2	Concrete Pipe	1992	100	70	30	\$13,100	7		7	Good	Unlikely	Minor	L	1	2082	10	2092	2092	70
4795	Storm/Sanitary - Gravity Main	600 mm Concrete Pipe Storm Sewer - River Street		River Street			600	30	Concrete Pipe	1996	100	74	26	\$15,000	7		7	Good	Unlikely	Minor	L	1	2086	10	2096	2096	74
4801	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Joyce Court		Joyce Court			300	58	Concrete Pipe	1969	100	47	53	\$20,300	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4802	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	42.3	Concrete Pipe	1969	100	47	53	\$14,805	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4803	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	44.1	Concrete Pipe	1969	100	47	53	\$15,435	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4804	Storm/Sanitary - Gravity Main	250 mm Concrete Pipe Storm Sewer - Mary Court		Mary Court			250	13.4	Concrete Pipe	1969	100	47	53	\$4,690	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4805	Storm/Sanitary - Gravity Main	250 mm Concrete Pipe Storm Sewer - William Street		William Street			250	40.6	Concrete Pipe	2013	100	91	9	\$14,210	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4807	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Main Street		Main Street	Water Street		300	15.3	Concrete Pipe	1975	100	53	47	\$5,355	5		5	Average	Possible	Minor	M	2	2065	10	2075	2075	53
4810	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Water Street		Water Street			300	30.9	Concrete Pipe	1975	100	53	47	\$10,815	5		5	Average	Possible	Minor	M	2	2065	10	2075	2075	53
4811	Storm/Sanitary - Gravity Main	375 mm Concrete Pipe Storm Sewer - Main Street		Main Street	Spruyt Avenue	Webb Street	375	113.4	Concrete Pipe	1975	100	53	47	\$39,690	5		5	Average	Possible	Minor	M	2	2065	10	2075	2075	53
4812	Storm/Sanitary - Gravity Main	450 mm Concrete Pipe Storm Sewer - Main Street		Main Street	Spruyt Avenue	Webb Street	450	76	Concrete Pipe	1975	100	53	47	\$30,400	5		5	Average	Possible	Minor	M	2	2065	10	2075	2075	53
4813	Storm/Sanitary - Gravity Main	450 mm Concrete Pipe Storm Sewer - Main Street		Main Street	Webb Street	Amaranth Street	450	81.2	Concrete Pipe	1975	100	53	47	\$32,480	5		5	Average	Possible	Minor	M	2	2065	10	2075	2075	53
4814	Storm/Sanitary - Gravity Main	450 mm Concrete Pipe Storm Sewer - Main Street		Main Street	Webb Street	Amaranth Street	450	60.2	Concrete Pipe	1975	100	53	47	\$24,080	5		5	Average	Possible	Minor	M	2	2065	10	2075	2075	53
4815	Storm/Sanitary - Gravity Main	450 mm Concrete Pipe Storm Sewer - Main Street		Main Street	Webb Street	Amaranth Street	450	52.6	Concrete Pipe	1975	100	53	47	\$21,040	5		5	Average	Possible	Minor	M	2	2065	10	2075	2075	53
4816	Storm/Sanitary - Gravity Main	450 mm Concrete Pipe Storm Sewer - Main Street		Main Street	Webb Street	Amaranth Street	450	42.5	Concrete Pipe	1975	100	53	47	\$17,000	5		5	Average	Possible	Minor	M	2	2065	10	2075	2075	53
4817	Storm/Sanitary - Gravity Main	450 mm Concrete Pipe Storm Sewer - Main Street		Main Street	Webb Street	Amaranth Street	450	52.7	Concrete Pipe	1975	100	53	47	\$21,080	5		5	Average	Possible	Minor	M	2	2065	10	2075	2075	53
4818	Storm/Sanitary - Gravity Main	1200 mm Concrete Pipe Storm Sewer - Amaranth Street		Amaranth Street	Main Street West side	Main Street East Side	1200	18.2	Concrete Pipe	1975	100	53	47	\$22,750	5		5	Average	Possible	Minor	M	2	2065	10	2075	2075	53
4819	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Mill Street		Mill Street			300	46.9	Concrete Pipe	1969	100	47	53	\$16,415	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4820	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Mill Street		Mill Street			300	20.3	Concrete Pipe	1969	100	47	53	\$7,105	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4824	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Bielby Street		Bielby Street			300	45.7	Concrete Pipe	1969	100	47	53	\$15,995	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4825	Storm/Sanitary - Gravity Main	300mm Concrete Pipe Storm Sewer - Bielby Street		Bielby Street			300	8.5	Concrete Pipe	1969	100	47	53	\$2,975	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4826	Storm/Sanitary - Gravity Main	300mm Concrete Pipe Storm Sewer - Gier Street		Gier Street			300	8.7	Concrete Pipe	1969	100	47	53	\$3,045	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4827	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Gier Street		Gier Street			300	62.9	Concrete Pipe	1969	100	47	53	\$22,015	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4828	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Gier Street		Gier Street			300	54.7	Concrete Pipe	1969	100	47	53	\$19,145	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4829	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	12.3	Concrete Pipe	1969	100	47	53	\$4,305	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4830	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	45	Concrete Pipe	1969	100	47	53	\$15,750	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4831	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	50.4	Concrete Pipe	1969	100	47	53	\$17,640	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4832	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	69.7	Concrete Pipe	1969	100	47	53	\$24,395	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4833	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	52.5	Concrete Pipe	1969	100	47	53	\$18,375	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4835	Storm/Sanitary - Gravity Main	375 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			375	32.8	Concrete Pipe	1969	100	47	53	\$11,480	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4836	Storm/Sanitary - Gravity Main	375 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			375	10.6	Concrete Pipe	1969	100	47	53	\$3,710	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4845	Storm/Sanitary - Gravity Main	600 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			600	122	Concrete Pipe	2013	100	91	9	\$61,000	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4846	Storm/Sanitary - Gravity Main	975 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			975	24.3	Concrete Pipe	2013	100	91	9	\$14,580	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4847	Storm/Sanitary - Gravity Main	975 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			975	21.2	Concrete Pipe	2013	100	91	9	\$12,720	9		9	Very Good	Rare								

Fixed Asset #	Asset Type Sub-Type	Asset Name	Street ID	Street Name	From	To	Diameter (mm)	Length (m)	Material	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost (2022)	Condition Based On Useful Life	Inspection Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels of Service Replacement Year	Year Replacement Applying Risk Score	Revised Remaining Useful Life
4852	Storm/Sanitary - Gravity Main	825 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			825	69.3	Concrete Pipe	2013	100	91	9	\$41,580	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4853	Storm/Sanitary - Gravity Main	825 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			825	33.5	Concrete Pipe	2013	100	91	9	\$20,100	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4854	Storm/Sanitary - Gravity Main	900 mm Concrete Pipe Storm Sewer - Taylor Drive		Taylor Drive			900	57.6	Concrete Pipe	2013	100	91	9	\$34,560	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4864	Storm/Sanitary - Gravity Main	250 mm Concrete Pipe Storm Sewer - Joyce Court		Joyce Court			250	16	Concrete Pipe	1969	100	47	53	\$5,600	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4865	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	5.9	Concrete Pipe	1969	100	47	53	\$2,065	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4866	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	6.5	Concrete Pipe	1969	100	47	53	\$2,275	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4867	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	4.1	Concrete Pipe	1969	100	47	53	\$1,435	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4868	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	61.5	Concrete Pipe	1969	100	47	53	\$21,525	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4872	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	46.9	Concrete Pipe	1969	100	47	53	\$16,415	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4873	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Crozier Street		Crozier Street			300	46.2	Concrete Pipe	1969	100	47	53	\$16,170	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4874	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Main Street		Main Street	Park View Street		300	16.8	Concrete Pipe	1969	100	47	53	\$5,880	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4875	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer Outfall - Main Street		Main Street	Park View Street		300	26.7	Concrete Pipe	1969	100	47	53	\$9,345	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4876	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Main Street		Main Street	River Street	George Street	300	28.2	Concrete Pipe	1969	100	47	53	\$9,870	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4877	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Main Street		Main Street	River Street	George Street	300	25.5	Concrete Pipe	1969	100	47	53	\$8,925	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4878	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer Outfall - 106 Main St.		Main Street	River Street	George Street	300	37.2	Concrete Pipe	1969	100	47	53	\$13,020	5	7	7	Good	Unlikely	Minor	L	1	2059	10	2069	2069	47
4879	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Main Street		Main Street	River Street	George Street	300	9.4	Concrete Pipe	1969	100	47	53	\$3,290	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4880	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Cooper Street		Cooper Street			300	53	Concrete Pipe	1969	100	47	53	\$18,550	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4881	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer - Cooper Street		Cooper Street			300	12.8	Concrete Pipe	1969	100	47	53	\$4,480	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4883	Storm/Sanitary - Gravity Main	400 mm HDPE Pipe Storm Sewer and outfall - 7 River Street		River Street			400	28.5	Concrete Pipe	2022	100	100	0	\$9,975	10	10	10	Very Good	Rare	Minor	L	1	2112	10	2122	2122	100
4884	Storm/Sanitary - Gravity Main	300 mm Concrete Pipe Storm Sewer Outfall - 23 River Street		River Street			150	42.7	Concrete Pipe	1969	100	47	53	\$14,945	5	7	7	Good	Unlikely	Minor	L	1	2059	10	2069	2069	47
5229	Storm/Sanitary - Gravity Main	- Storm Sewer - Rear Lot 10 Main Street		Main Street	West Bank Alley		1000	51.8	Concrete Pipe	1969	100	47	53	\$64,750	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
5230	Storm/Sanitary - Gravity Main	- Storm Sewer - Rear Lot 50 Leeson Street		Leeson Street			1500	15.7	Concrete Pipe	1969	100	47	53	\$22,765	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
5231	Storm/Sanitary - Gravity Main	- Storm Sewer - Rear Lot 50 Leeson Street		Leeson Street			1500	48.5	Concrete Pipe	1969	100	47	53	\$70,325	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
5232	Storm/Sanitary - Gravity Main	Two 750mm - Storm Sewer pipes - road crossing flow from Rear Lot 52		Leeson Street	Road Crossing		1500	17.2	Concrete Pipe	1969	100	47	53	\$24,940	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
5233	Storm/Sanitary - Gravity Main	- Storm Sewer - West Bank Alley		West Bank Alley			450	83.9	Concrete Pipe	1969	100	47	53	\$33,560	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
5234	Storm/Sanitary - Gravity Main	- Storm Sewer - Mill Street		Mill Street	West Bank Alley		1000	6.8	Concrete Pipe	1969	100	47	53	\$8,500	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
5235	Storm/Sanitary - Gravity Main	- Storm Sewer - Rear Lot - 41 Lesson Street		Leeson Street			900	28.5	Concrete Pipe	1969	100	47	53	\$17,100	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
5239	Storm/Sanitary - Gravity Main	900 mm - Storm Sewer Outfall - Rear Lot 26 Mount Haven Crescent		Mount Haven Crescent			900	144.5	Concrete Pipe	1995	100	73	27	\$86,700	7		7	Good	Unlikely	Minor	L	1	2085	10	2095	2095	73
5242	Storm/Sanitary - Gravity Main	825 mm - Storm Sewer Outfall - Rear Lot 26 Mount Haven Crescent		Mount Haven Crescent			825	14	Concrete Pipe	1995	100	73	27	\$8,400	7	7	7	Good	Unlikely	Minor	L	1	2085	10	2095	2095	73
5243	Storm/Sanitary - Gravity Main	600 mm - Storm Sewer Outfall - Rear Lot 26 Mount Haven Crescent		Mount Haven Crescent			600	50	Concrete Pipe	1995	100	73	27	\$25,000	7	7	7	Good	Unlikely	Minor	L	1	2085	10	2095	2095	73
5244	Storm/Sanitary - Gravity Main	250 mm - Storm Sewer Outfall - Rear Lot 26 Mount Haven Crescent		Mount Haven Crescent			250	14.4	Concrete Pipe	1995	100	73	27	\$5,040	7	7	7	Good	Unlikely	Minor	L	1	2085	10	2095	2095	73
5291	Storm/Sanitary - Gravity Main	Storm Sewer Outlet Ditching - Rear Lot, East of Crozier Street		Crozier Street			450	10.4	Concrete Pipe	1969	100	47	53	\$4,160	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
5303	Storm/Sanitary - Gravity Main	Storm Sewer - Rear Lot, East of Crozier Street		Crozier Street			450	88.6	Concrete Pipe	1969	100	47	53	\$35,440	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
5355	Storm/Sanitary - Gravity Main	300mm Concrete Pipe Storm Sewer - Gier Street		Gier Street			300	130.7	Concrete Pipe	1969	100	47	53	\$45,745	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
7339	Storm/Sanitary - Gravity Main	Beam Street - 300 mm CP Storm		Beam Street			300	48.9	Concrete Pipe	2015	100	93	7	\$17,115	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7340	Storm/Sanitary - Gravity Main	Beam Street - 375 mm CP Storm		Beam Street			375	11.3	Concrete Pipe	2015	100	93	7	\$3,955	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7341	Storm/Sanitary - Gravity Main	Beam Street - 525 mm CP Storm		Beam Street			525	66.7	Concrete Pipe	2015	100	93	7	\$33,350	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7342	Storm/Sanitary - Gravity Main	Hillborn Street - 300 mm CP Storm		Hillborn Street			300	11.6	Concrete Pipe	2015	100	93	7	\$4,060	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7343	Storm/Sanitary - Gravity Main	Beam Street - 300 mm CP Storm		Beam Street			300	18.7	Concrete Pipe	2015	100	93	7	\$6,545	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7344	Storm/Sanitary - Gravity Main	Hillborn Street - 600 mm CP Storm		Hillborn Street			600	31.8	Concrete Pipe	2015	100	93	7	\$15,900	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7345	Storm/Sanitary - Gravity Main	Hillborn Street - 675 mm CP Storm		Hillborn Street			675	90	Concrete Pipe	2015	100	93	7	\$45,000	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7346	Storm/Sanitary - Gravity Main	Hillborn Street - 825 mm CP Storm		Hillborn Street			825	90	Concrete Pipe	2015	100	93	7	\$54,000	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7347	Storm/Sanitary - Gravity Main	Hillborn Street - 900 mm CP Storm		Hillborn Street			900	69.7	Concrete Pipe	2015	100	93	7	\$41,820	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7348	Storm/Sanitary - Gravity Main	Hillborn Street - 300 mm CP Storm		Hillborn Street			300	27.9	Concrete Pipe	2015	100	93	7	\$9,765	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7349	Storm/Sanitary - Gravity Main	Mayberry Drive - 300 mm CP Storm		Mayberry Drive			300	24.8	Concrete Pipe	2015	100	93	7	\$8,680	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7350	Storm/Sanitary - Gravity Main	Mayberry Drive - 300 mm CP Storm		Mayberry Drive			300	71.8	Concrete Pipe	2015	100	93	7	\$25,130	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7352	Storm/Sanitary - Gravity Main	Mayberry Drive - 675 mm CP Storm		Mayberry Drive			675	30.5	Concrete Pipe	2015	100	93	7	\$15,250	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7353	Storm/Sanitary - Gravity Main	Mayberry Drive - 675 mm CP Storm		Mayberry Drive			675	94.4	Concrete Pipe	2015	100	93	7	\$47,200	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7354	Storm/Sanitary - Gravity Main	Mayberry Drive - 600 mm CP Storm		Mayberry Drive			600	16.2	Concrete Pipe	2015	100	93	7	\$8,100	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7355	Storm/Sanitary - Gravity Main	Mayberry Drive - 300 mm CP Storm		Mayberry Drive			300	28.7	Concrete Pipe	2015	100	93	7	\$10,045	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7356	Storm/Sanitary - Gravity Main	Mayberry Drive - 1050 mm CP Storm		Mayberry Drive			1050	72.4	Concrete Pipe	2015	100	93	7	\$90,500	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7357	Storm/Sanitary - Gravity Main	Mayberry Drive - 1095 mm CP Storm		Mayberry Drive			1095	11.1	Concrete Pipe	2015	100	93	7	\$13,875	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7358	Storm/Sanitary - Gravity Main	Mayberry Drive - 1095 mm CP Storm		Mayberry Drive			1095	20.9	Concrete Pipe	2015	100	93	7	\$26,125	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93

Fixed Asset #	Asset Type Sub-Type	Asset Name	Street ID	Street Name	From	To	Diameter (mm)	Length (m)	Material	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost (2022)	Condition Based On Useful Life	Inspection Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Year Replacement Applying Risk Score	Revised Remaining Useful Life
7359	Storm/Sanitary - Gravity Main	Beam Street - 300 mm CP Storm		Beam Street			300	20.1	Concrete Pipe	2015	100	93	7	\$7,035	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7361	Storm/Sanitary - Gravity Main	Beam Street - 300 mm CP Storm		Beam Street			300	48.6	Concrete Pipe	2015	100	93	7	\$17,010	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7362	Storm/Sanitary - Gravity Main	MacIntyre Lane - 525 mm CP Storm		MacIntyre Lane			525	22.9	Concrete Pipe	2015	100	93	7	\$11,450	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7363	Storm/Sanitary - Gravity Main	Beam Street - 300 mm CP Storm		Beam Street			300	55.1	Concrete Pipe	2015	100	93	7	\$19,285	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7364	Storm/Sanitary - Gravity Main	MacIntyre Lane - 600 mm CP Storm		MacIntyre Lane			600	85.4	Concrete Pipe	2015	100	93	7	\$42,700	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7365	Storm/Sanitary - Gravity Main	MacIntyre Lane - 600 mm CP Storm		MacIntyre Lane			600	91.6	Concrete Pipe	2015	100	93	7	\$45,800	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7366	Storm/Sanitary - Gravity Main	MacIntyre Lane - 450 mm CP Storm		MacIntyre Lane			450	46.7	Concrete Pipe	2015	100	93	7	\$18,680	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7367	Storm/Sanitary - Gravity Main	Ritchie Drive - 300 mm CP Storm		Ritchie Drive			300	48.2	Concrete Pipe	2015	100	93	7	\$16,870	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7368	Storm/Sanitary - Gravity Main	Ritchie Drive - 300 mm CP Storm		Ritchie Drive			300	31.8	Concrete Pipe	2015	100	93	7	\$11,130	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7369	Storm/Sanitary - Gravity Main	Ritchie Drive - 375 mm CP Storm		Ritchie Drive			375	38.4	Concrete Pipe	2015	100	93	7	\$13,440	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7370	Storm/Sanitary - Gravity Main	Ritchie Drive - 375 mm CP Storm		Ritchie Drive			375	11	Concrete Pipe	2015	100	93	7	\$3,850	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7371	Storm/Sanitary - Gravity Main	Ritchie Drive - 1050 mm CP Storm		Ritchie Drive			1050	25.5	Concrete Pipe	2015	100	93	7	\$31,875	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7372	Storm/Sanitary - Gravity Main	Ritchie Drive - 675 mm CP Storm		Ritchie Drive			675	27.3	Concrete Pipe	2015	100	93	7	\$13,650	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7373	Storm/Sanitary - Gravity Main	Ritchie Drive - 675 mm CP Storm		Ritchie Drive			675	53.6	Concrete Pipe	2015	100	93	7	\$26,800	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7374	Storm/Sanitary - Gravity Main	Jenkins Street - 600 mm CP Storm		Jenkins Street			600	35.3	Concrete Pipe	2015	100	93	7	\$17,650	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7375	Storm/Sanitary - Gravity Main	Ritchie Drive - 825 mm CP Storm		Ritchie Drive			825	15.7	Concrete Pipe	2015	100	93	7	\$9,420	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7376	Storm/Sanitary - Gravity Main	Ritchie Drive - 675 mm CP Storm		Ritchie Drive			675	93.8	Concrete Pipe	2015	100	93	7	\$46,900	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7377	Storm/Sanitary - Gravity Main	Hunt Street - 300 mm CP Storm		Hunt Street			300	72.3	Concrete Pipe	2015	100	93	7	\$25,305	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7378	Storm/Sanitary - Gravity Main	Hunt Street - 300 mm CP Storm		Hunt Street			300	71.1	Concrete Pipe	2015	100	93	7	\$24,885	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7379	Storm/Sanitary - Gravity Main	Stuckey Lane - 300 mm CP Storm		Stuckey Lane			300	22.1	Concrete Pipe	2015	100	93	7	\$7,735	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7380	Storm/Sanitary - Gravity Main	Stuckey Lane - 250 mm PVC Storm		Stuckey Lane			250	43.9	Concrete Pipe	2015	100	93	7	\$15,365	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7381	Storm/Sanitary - Gravity Main	Stuckey Lane - 375 mm CP Storm		Stuckey Lane			375	62.6	Concrete Pipe	2015	100	93	7	\$21,910	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7382	Storm/Sanitary - Gravity Main	Stuckey Lane - 250 mm PVC Storm		Stuckey Lane			250	41.5	Concrete Pipe	2015	100	93	7	\$14,525	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7383	Storm/Sanitary - Gravity Main	Stuckey Lane - 375 mm CP Storm		Stuckey Lane			375	11.7	Concrete Pipe	2015	100	93	7	\$4,095	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7384	Storm/Sanitary - Gravity Main	Stuckey Lane - 300 mm CP Storm		Stuckey Lane			300	57.9	Concrete Pipe	2015	100	93	7	\$20,265	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7385	Storm/Sanitary - Gravity Main	Stuckey Lane - 525 mm CP Storm		Stuckey Lane			525	51.2	Concrete Pipe	2015	100	93	7	\$25,600	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7470	Storm/Sanitary - Gravity Main	- 1200 mm CP Storm					1200	93.1	Concrete Pipe	2015	100	93	7	\$116,375	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7471	Storm/Sanitary - Gravity Main	Mayberry Drive - 1200 mm CP Storm		Mayberry Drive			1200	32.3	Concrete Pipe	2015	100	93	7	\$40,375	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7472	Storm/Sanitary - Gravity Main	- 1200 mm CP Storm					1200	61	Concrete Pipe	2015	100	93	7	\$76,250	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7474	Storm/Sanitary - Gravity Main	Ritchie Drive - 375 mm CP Storm		Ritchie Drive			375	48.5	Concrete Pipe	2015	100	93	7	\$16,975	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7485	Storm/Sanitary - Gravity Main	- 450 mm CP Storm					450	24.7	Concrete Pipe	2015	100	93	7	\$9,880	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
3279	Storm/Sanitary - Gravity Main	Storm Sewer wih Oufall - Ponsford Street at 33 Mill St		Ponsford Street	Mill Street	Amaranth Street	600	20.5	Corrugated Steel Pipe	1969	100	47	53	\$8,200	5	7	7	Good	Unlikely	Minor	L	1	2059	10	2069	2069	47
3296	Storm/Sanitary - Gravity Main	Storm Sewer - Gier Street		Gier Street	Crozier Street	Bielby Street	375	49.7	Corrugated Steel Pipe	1969	50	0	53	\$17,395	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
3297	Storm/Sanitary - Gravity Main	Storm Sewer - Gier Street		Gier Street	Crozier Street	Bielby Street	375	8.4	Corrugated Steel Pipe	1969	50	0	53	\$2,940	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4699	Storm/Sanitary - Gravity Main	450 mm Corrugated Steel Pipe Storm Sewer - Luther Road		Luther Road			450	22.2	Corrugated Steel Pipe	1969	50	0	53	\$7,770	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4821	Storm/Sanitary - Gravity Main	900 mm Corrugated Steel Pipe Storm Sewer Outfall - Mill Street		Mill Street			900	30.7	Corrugated Steel Pipe	1969	50	0	53	\$18,420	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4823	Storm/Sanitary - Gravity Main	400 mm Corrugated Steel Pipe Storm Sewer - Bielby Street		Bielby Street			400	32.7	Corrugated Steel Pipe	1969	50	0	53	\$13,080	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4834	Storm/Sanitary - Gravity Main	1200 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			1200	44.5	Corrugated Steel Pipe	1969	50	0	53	\$55,625	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4837	Storm/Sanitary - Gravity Main	450 mm Corrugated Steel Pipe Storm Sewer - Crozier Street		Crozier Street			450	34.7	Corrugated Steel Pipe	1969	50	0	53	\$13,880	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4869	Storm/Sanitary - Gravity Main	300 mm Corrugated Steel Pipe Storm Sewer - Emma Street		Emma Street			300	18.7	Corrugated Steel Pipe	1969	50	0	53	\$6,545	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4870	Storm/Sanitary - Gravity Main	150 mm Corrugated Steel Pipe Storm Sewer - Emma Street		Emma Street	Mill Street		150	7.6	Corrugated Steel Pipe	1969	50	0	53	\$2,660	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4871	Storm/Sanitary - Gravity Main	300 mm Corrugated Steel Pipe Storm Sewer - Emma Street		Emma Street			300	47.8	Corrugated Steel Pipe	1969	50	0	53	\$16,730	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4885	Storm/Sanitary - Gravity Main	300 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			300	14.9	Corrugated Steel Pipe	1969	50	0	53	\$5,215	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4886	Storm/Sanitary - Gravity Main	300 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			300	11.3	Corrugated Steel Pipe	1969	50	0	53	\$3,955	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4887	Storm/Sanitary - Gravity Main	450 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			450	8.1	Corrugated Steel Pipe	1969	50	0	53	\$3,240	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4888	Storm/Sanitary - Gravity Main	450 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			450	38.5	Corrugated Steel Pipe	1969	50	0	53	\$15,400	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4889	Storm/Sanitary - Gravity Main	450 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			450	51.3	Corrugated Steel Pipe	1969	50	0	53	\$20,520	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4890	Storm/Sanitary - Gravity Main	450 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			450	8	Corrugated Steel Pipe	1969	50	0	53	\$3,200	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4891	Storm/Sanitary - Gravity Main	300 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			300	55.7	Corrugated Steel Pipe	1969	50	0	53	\$19,495	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4892	Storm/Sanitary - Gravity Main	300 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			300	57	Corrugated Steel Pipe	1969	50	0	53	\$19,950	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4893	Storm/Sanitary - Gravity Main	300 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			300	12	Corrugated Steel Pipe	1969	50	0	53	\$4,200	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4894	Storm/Sanitary - Gravity Main	300 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			300	19	Corrugated Steel Pipe	1969	50	0	53	\$6,650	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4895	Storm/Sanitary - Gravity Main	300 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			300	23	Corrugated Steel Pipe	1969	50	0	53	\$8,050	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0

Fixed Asset #	Asset Type Sub-Type	Asset Name	Street ID	Street Name	From	To	Diameter (mm)	Length (m)	Material	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost (2022)	Condition Based On Useful Life	Inspection Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Year Replacement Applying Risk Score	Revised Remaining Useful Life
4897	Storm/Sanitary - Gravity Main	600 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			600	18.7	Corrugated Steel Pipe	1969	50	0	53	\$9,350	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4898	Storm/Sanitary - Gravity Main	450 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			450	9.5	Corrugated Steel Pipe	1969	50	0	53	\$3,800	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4899	Storm/Sanitary - Gravity Main	450 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			450	15.1	Corrugated Steel Pipe	1969	50	0	53	\$6,040	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
4900	Storm/Sanitary - Gravity Main	450 mm Corrugated Steel Pipe Storm Sewer - Leeson Street		Leeson Street			450	25.2	Corrugated Steel Pipe	1969	50	0	53	\$10,080	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
5301	Storm/Sanitary - Gravity Main	600 mm - Storm Sewer - Main Street		Main Street	Luther Road		600	27.6	Corrugated Steel Pipe	1993	50	21	29	\$13,800	4		4	Poor	Likely	Minor	M	2	2038	10	2043	2043	21
5313	Storm/Sanitary - Gravity Main	600 mm - Storm Sewer - Main Street		Main Street	Luther Road		600	28.8	Corrugated Steel Pipe	1993	50	21	29	\$14,400	4		4	Poor	Likely	Minor	M	2	2038	10	2043	2043	21
4838	Storm/Sanitary - Gravity Main	300 mm HDPE Storm Sewer - Emma Street		Emma Street	Amaranth Street	Douglas Street	300	17.3	HDPE	1969	100	47	53	\$6,055	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4839	Storm/Sanitary - Gravity Main	300 mm HDPE Storm Sewer - Emma Street		Emma Street	Amaranth Street	Douglas Street	300	4	HDPE	1969	100	47	53	\$1,400	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4840	Storm/Sanitary - Gravity Main	250 mm HDPE Storm Sewer - Emma Street		Emma Street	Amaranth Street	Douglas Street	250	99.1	HDPE	1969	100	47	53	\$34,685	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4882	Storm/Sanitary - Gravity Main	300 mm Corrugated Steel Pipe Storm Sewer Outfall - River Street		River Street			300	23.2	HDPE	1969	50	0	53	\$8,120	0		0	Very Poor	Almost Certain	Minor	H	3	2014	10	2019	2022	0
3039	Storm/Sanitary - Gravity Main	Storm Sewer - 128 Water St		Water Street	Emma Street		400	17	Poly Vinyl Chloride	1969	99	46	53	\$6,880	5		5	Average	Possible	Minor	M	2	2058	9	2067	2067	45
3281	Storm/Sanitary - Gravity Main	Storm Sewer - King Street		King Street	Mill Street	Amaranth Street	300	48.7	Poly Vinyl Chloride	1969	100	47	53	\$17,045	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
3282	Storm/Sanitary - Gravity Main	Storm Sewer - King Street		King Street	Mill Street	Amaranth Street	300	52	Poly Vinyl Chloride	1969	100	47	53	\$18,200	5		5	Average	Possible	Minor	M	2	2059	10	2069	2069	47
4710	Storm/Sanitary - Gravity Main	200 mm Poly Vinyl Chloride Storm Overflow/Floor Drain Pipe - From Water Tower to Main Street		From Water Tower to Main Street			200	37.8	Poly Vinyl Chloride	1996	100	74	26	\$13,230	7		7	Good	Unlikely	Minor	L	1	2086	10	2096	2096	74
4738	Storm/Sanitary - Gravity Main	300 mm Poly Vinyl Chloride Storm Sewer - Taylor Drive		Taylor Drive			300	79.5	Poly Vinyl Chloride	2013	100	91	9	\$27,825	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4757	Storm/Sanitary - Gravity Main	375 mm Poly Vinyl Chloride Storm Sewer - Taylor Drive		Taylor Drive			375	32.4	Poly Vinyl Chloride	2013	100	91	9	\$11,340	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4759	Storm/Sanitary - Gravity Main	250 mm Poly Vinyl Chloride Storm Sewer - Melody Lane		Melody Lane			250	45.9	Poly Vinyl Chloride	2013	100	91	9	\$16,065	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4775	Storm/Sanitary - Gravity Main	375 mm Poly Vinyl Chloride Storm Sewer - Monty Avenue		Monty Avenue			375	51.4	Poly Vinyl Chloride	2013	100	91	9	\$17,990	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4776	Storm/Sanitary - Gravity Main	375 mm Poly Vinyl Chloride Storm Sewer - Monty Avenue		Monty Avenue			375	20	Poly Vinyl Chloride	2013	100	91	9	\$7,000	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4779	Storm/Sanitary - Gravity Main	250 mm Poly Vinyl Chloride Rearlot Catchbasin Lead - Mill Street East of Taylor Drive		Mill Street East of Taylor Drive			250	18.3	Poly Vinyl Chloride	2013	100	91	9	\$6,405	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4780	Storm/Sanitary - Gravity Main	250 mm Poly Vinyl Chloride Rearlot Catchbasin Lead - Melody Lane		Melody Lane			250	12.8	Poly Vinyl Chloride	2013	100	91	9	\$4,480	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4781	Storm/Sanitary - Gravity Main	250 mm Poly Vinyl Chloride Rearlot Catchbasin Lead - Melody Lane		Melody Lane			250	59.7	Poly Vinyl Chloride	2013	100	91	9	\$20,895	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4783	Storm/Sanitary - Gravity Main	250 mm Poly Vinyl Chloride Rearlot Catchbasin Lead - Concession Rd 2-3		Concession Rd 2-3			250	9.8	Poly Vinyl Chloride	2013	100	91	9	\$3,430	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4785	Storm/Sanitary - Gravity Main	250 mm Poly Vinyl Chloride Rearlot Catchbasin Lead - Concession Rd 2-3		Concession Rd 2-3			250	15.8	Poly Vinyl Chloride	2013	100	91	9	\$5,530	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
4790	Storm/Sanitary - Gravity Main	250 mm Poly Vinyl Chloride Rearlot Catchbasin Lead - behind Road Allowance coming off Taylor Dr.		Taylor Drive			250	15.5	Poly Vinyl Chloride	2013	100	91	9	\$5,425	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
5295	Storm/Sanitary - Gravity Main	300 mm - Storm Sewer - Wastewater Treatment Plant - Watson Road		Watson Road			300	13.8	Poly Vinyl Chloride	2013	100	91	9	\$4,830	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
5297	Storm/Sanitary - Gravity Main	300 mm - Storm Sewer Overflow - Wastewater Treatment Plant - Watson Road		Watson Road			300	3.8	Poly Vinyl Chloride	2013	100	91	9	\$1,330	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
5299	Storm/Sanitary - Gravity Main	200 mm - Storm Sewer - Wastewater Treatment Plant - Watson Road		Watson Road			200	17.4	Poly Vinyl Chloride	2013	50	41	9	\$6,090	8		8	Good	Unlikely	Minor	L	1	2058	10	2063	2063	41
5309	Storm/Sanitary - Gravity Main	300 mm - Storm Sewer Overflow - Wastewater Treatment Plant - Watson Road		Watson Road			300	9.8	Poly Vinyl Chloride	2013	100	91	9	\$3,430	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
5321	Storm/Sanitary - Gravity Main	200 mm - Storm Sewer Overflow - Wastewater Treatment Plant - Watson Road		Watson Road			200	14.6	Poly Vinyl Chloride	2013	100	91	9	\$5,110	9		9	Very Good	Rare	Minor	L	1	2103	10	2113	2113	91
5626	Storm/Sanitary - Gravity Main	2018 Foundation Drain COLLECTOR PROJECT - Crozier St		Crozier Street	Spruyt	Luther	200	134.9	Poly Vinyl Chloride	2019	100	97	3	\$47,215	10		10	Very Good	Rare	Minor	L	1	2109	10	2119	2119	97
5627	Storm/Sanitary - Gravity Main	2018 Foundation Drain COLLECTOR PROJECT - Crozier St		Crozier Street	Baker	Spruyt	200	96.8	Poly Vinyl Chloride	2019	100	97	3	\$33,880	10		10	Very Good	Rare	Minor	L	1	2109	10	2119	2119	97
5628	Storm/Sanitary - Gravity Main	2018 Foundation Drain COLLECTOR PROJECT - Crozier St		Crozier Street	Webb Street	Baker	200	50.6	Poly Vinyl Chloride	2019	100	97	3	\$17,710	10		10	Very Good	Rare	Minor	L	1	2109	10	2119	2119	97
5629	Storm/Sanitary - Gravity Main	2018 Foundation Drain COLLECTOR PROJECT - Baker Court		Baker Court			200	54.4	Poly Vinyl Chloride	2019	100	97	3	\$19,040	10		10	Very Good	Rare	Minor	L	1	2109	10	2119	2119	97
7351	Storm/Sanitary - Gravity Main	Mayberry Drive - 250 mm PVC Storm		Mayberry Drive			250	8.8	Poly Vinyl Chloride	2015	100	93	7	\$3,080	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7360	Storm/Sanitary - Gravity Main	Beam Street - 300 mm PVC Storm		Beam Street			300	12.1	Poly Vinyl Chloride	2015	100	93	7	\$4,235	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7473	Storm/Sanitary - Gravity Main	Ritchie Drive - 300 mm PVC Storm		Ritchie Drive			300	21.3	Poly Vinyl Chloride	2015	100	93	7	\$7,455	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7480	Storm/Sanitary - Gravity Main	Ritchie Drive - 300 mm PVC Storm		Ritchie Drive			300	64.3	Poly Vinyl Chloride	2015	100	93	7	\$22,505	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7481	Storm/Sanitary - Gravity Main	Ritchie Drive - 300 mm PVC Storm		Ritchie Drive			300	64.3	Poly Vinyl Chloride	2015	100	93	7	\$22,505	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7482	Storm/Sanitary - Gravity Main	Ritchie Drive - 300 mm PVC Storm		Ritchie Drive			300	59.9	Poly Vinyl Chloride	2015	100	93	7	\$20,965	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7483	Storm/Sanitary - Gravity Main	Ritchie Drive - 300 mm PVC Storm		Ritchie Drive			300	10.5	Poly Vinyl Chloride	2015	100	93	7	\$3,675	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93
7484	Storm/Sanitary - Gravity Main	Ritchie Drive - 300 mm PVC Storm		Ritchie Drive			300	10.5	Poly Vinyl Chloride	2015	100	93	7	\$3,675	9		9	Very Good	Rare	Minor	L	1	2105	10	2115	2115	93

Grand Valley
Storm Pond

Current Levels of Service
Replacement/Improvement Year Based on Current Levels Service

Fixed Asset #	Type / Subtype	Asset Name	Road Section GIS ID	Road Name	Address	Volume Capacity (m3)	Water Type	Install Year	Useful Life	Remaining Useful Life	Age	Replacement Cost	Condition Based On Useful Life	Assessed Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Year Replacement Applying Risk Score	Subsequent Replacement Year	Revised Remaining Useful Life
3885	Detention Pond	Stormwater Pond - Mount Haven Crescent					Storm Water	1995	100	73	27	\$25,000	7		7	Good	Unlikely	Minor	L	1	2085	10	2095	2095	2195	73
5278	Detention Pond	Storm Water Pond - New Treatment Plant					Storm Water	2013	100	91	9	\$75,000	9		9	Very Good	Rare	Major	M	2	2103	10	2113	2113	2213	91
7468	Detention Pond	Storm Water Pond - Mayberry Hill Ph. 2 - Box Unit 2					Storm Water	2015	100	93	7	\$25,000	9		9	Very Good	Rare	Major	M	2	2105	10	2115	2115	2215	93
7469	Detention Pond	Storm Water Pond - Mayberry Hill Ph. 2 - Box Unit 1					Storm Water	2015	100	93	7	\$50,000	9		9	Very Good	Rare	Major	M	2	2105	10	2115	2115	2215	93
7477	Detention Pond	Storm Water Pond - Mayberry Hill Ph. 2 - Box Unit 3					Storm Water	2015	100	93	7	\$25,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	2115	2215	93
8316	Detention Pond	Storm Water Pond - Taylor Drive					Storm Water	2013	100	91	9	\$50,000	9		9	Very Good	Rare	Major	M	2	2103	10	2113	2113	2213	91

Storm/Sanitary - Catch Basin Inventory

Current Levels of Service Replacement/Improvement Year Based on Current Levels Service

Table with 23 columns: Fixed Asset #, Field ID, Asset Type / Sub-Type, Asset Name, Road Name / Address, Road Name, Road From, Road To, Install Year, Useful Life, Remaining Useful Life, Age, 2022 Replacement Cost, Condition Based On Useful Life, Assessed Condition, Condition Used for Analysis, Asset Condition (As per Priority Rating), Probability of Failure (Based on Condition or Expected Condition), Consequence of Failure, Risk of Failure, Numerical Value of Risk of Failure, Year Replacement due to minimal maintenance practices, Current Levels of Service % benefit, Revised Levels Service Replacement Year, Revised Remaining Useful Life.

Fixed Asset #	Field ID	Asset Type / Sub-Type	Asset Name	Road Name / Address	Road Name	Road From	Road To	Install Year	Useful Life	Remaining Useful Life	Age	2022 Replacement Cost	Condition Based On Useful Life	Assessed Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Revised Remaining Useful Life
4142	4142	Catch Basin	CatchBasin - Bielby Street	57 Bielby St. Grand Valley Dufferin County ON L9W 5M3 CA	Bielby Street From: Gier Street To: Scott Street	Gier Street	Scott Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4143	4143	Catch Basin	CatchBasin - 58 Bielby Street	50 Bielby St. Grand Valley Dufferin County ON L9W 5M3 CA	Bielby Street From: Gier Street To: Scott Street	Gier Street	Scott Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4144	4144	Catch Basin	CatchBasin - Main Street	66 Main St. Grand Valley Dufferin County ON L9W 5S7 CA	Main Street From: Amaranth Street To: Webb Street	Amaranth Street	Webb Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4145	4145	Catch Basin	CatchBasin - Luther Road	12 Luther Rd. Grand Valley Dufferin County ON L9W 5R1 CA	Luther Road From: Main Street To: Joyce Court	Main Street	Joyce Court	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4146	4146	Catch Basin	CatchBasin - Luther Road	1-15 Luther Rd. Grand Valley Dufferin County ON L9W 5R1 CA	Luther Road From: Main Street To: Joyce Court	Main Street	Joyce Court	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4147	4148	Catch Basin	CatchBasin - Joyce Court	20-98 Joyce Ct. Grand Valley Dufferin County ON L9W 5R5 CA	Joyce Court From: Luther Road To: End (cul-de-sac)	Luther Road	End (cul-de-sac)	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4149	4149	Catch Basin	CatchBasin - Joyce Court	20-98 Joyce Ct. Grand Valley Dufferin County ON L9W 5R5 CA	Joyce Court From: Luther Road To: End (cul-de-sac)	Luther Road	End (cul-de-sac)	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4150	4150	Catch Basin	CatchBasin - Luther Road	17 Luther Rd. Grand Valley Dufferin County ON L9W 5R1 CA	Luther Road From: Joyce Court To: Crozier Street	Joyce Court	Crozier Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4151	4151	Catch Basin	CatchBasin - Luther Road	26 Luther Rd. Grand Valley Dufferin County ON L9W 5R1 CA	Luther Road From: Joyce Court To: Crozier Street	Joyce Court	Crozier Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4152	4152	Catch Basin	CatchBasin - Luther Road	55 Luther Rd. Grand Valley Dufferin County ON L9W 5R1 CA	Luther Road From: Crozier Street To: Mary Court	Crozier Street	Mary Court	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4153	4153	Catch Basin	CatchBasin - Luther Road	69 Luther Rd. Grand Valley Dufferin County ON L9W 5R1 CA	Luther Road From: Mary Court To: End (cul-de-sac)	Mary Court	End (cul-de-sac)	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4154	4154	Catch Basin	CatchBasin - Mary Court	2-20 Mary Ct. Grand Valley Dufferin County ON L9W 5V7 CA	Mary Court From: Luther Road To: End (cul-de-sac)	Luther Road	End (cul-de-sac)	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4156	4156	Catch Basin	CatchBasin - Crozier Street	152 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street From: Spruyt Avenue To: Luther Road	Spruyt Avenue	Luther Road	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4157	4157	Catch Basin	CatchBasin -149 Crozier Street	147 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street From: Spruyt Avenue To: Luther Road	Spruyt Avenue	Luther Road	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4158	4158	Catch Basin	CatchBasin - Crozier Street	124-198 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street From: Spruyt Avenue To: Luther Road	Spruyt Avenue	Luther Road	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4159	4159	Catch Basin	CatchBasin - Crozier Street	131 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street From: Spruyt Avenue To: Luther Road	Spruyt Avenue	Luther Road	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4160	4160	Catch Basin	CatchBasin - Crozier Street	Spruyt Ave.	Crozier Street From: Baker Court To: Spruyt Avenue	Baker Court	Spruyt Avenue	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4161	4161	Catch Basin	CatchBasin - 101 Crozier Street	101 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street From: Webb Street To: Baker Court	Webb Street	Baker Court	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4162	4162	Catch Basin	CatchBasin - Crozier Street	108-122 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street From: Baker Court To: Spruyt Avenue	Baker Court	Spruyt Avenue	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4163	4162	Catch Basin	CatchBasin - Baker Court	108-122 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Baker Court From: Crozier Street To: End	Crozier Street	End	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4164	4163	Catch Basin	CatchBasin - Baker Court	2 Baker Ct. Grand Valley Dufferin County ON L9W 5L6 CA	Baker Court From: Crozier Street To: End	Crozier Street	End	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4165	4164	Catch Basin	CatchBasin - Baker Court	16-98 Baker Ct. Grand Valley Dufferin County ON L9W 5L6 CA	Baker Court From: Crozier Street To: End	Crozier Street	End	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4166	4166	Catch Basin	CatchBasin - Crozier Street	98 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street From: Webb Street To: Baker Court	Webb Street	Baker Court	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4167	4167	Catch Basin	CatchBasin - Crozier Street	98 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street From: Webb Street To: Baker Court	Webb Street	Baker Court	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4168	4168	Catch Basin	CatchBasin - Crozier Street	74 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street From: Webb Street To: Baker Court	Webb Street	Baker Court	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4169	4169	Catch Basin	CatchBasin - Crozier Street	20-22 Webb St. Grand Valley Dufferin County ON L9W 5Y4 CA	Crozier Street From: Webb Street To: Baker Court	Webb Street	Baker Court	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4171	4171	Catch Basin	CatchBasin - Webb Street	18 Webb St. Grand Valley Dufferin County ON L9W 5Y4 CA	Webb Street From: Main Street To: Crozier Street	Main Street	Crozier Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4172	4172	Catch Basin	CatchBasin - Crozier Street	50 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street From: Gier Street To: Webb Street	Gier Street	Webb Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4238	4238	Catch Basin	CatchBasin - Leeson Street	50 Leeson St N Grand Valley Dufferin County ON L9W 5S4 CA	Leeson Street From: Amaranth Street To: Douglas Street	Amaranth Street	Douglas Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4239		Catch Basin	CatchBasin - Leeson Street		Leeson Street From: Amaranth Street To: Douglas Street	Amaranth Street	Douglas Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4240	4240	Catch Basin	CatchBasin - Leeson Street	41 Leeson St N Grand Valley Dufferin County ON L9W 5S4 CA	Leeson Street From: Amaranth Street To: Douglas Street	Amaranth Street	Douglas Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4241	4241	Catch Basin	CatchBasin - Emma Street	11 Emma St. Grand Valley Dufferin County ON L9W 5P9 CA	Emma Street from Mill St to Amaranth St	Mill Street	Amaranth Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4242	4242	Catch Basin	CatchBasin - West Bank Alley	28 West Bank Alley Grand Valley Dufferin County ON L9W 5V4 CA	West Bank Alley From: Mill Street To: Amaranth Street	Mill Street	Amaranth Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4243	4243	Catch Basin	CatchBasin - West Bank Alley	28 West Bank Alley Grand Valley Dufferin County ON L9W 5V4 CA	West Bank Alley From: Mill Street To: Amaranth Street	Mill Street	Amaranth Street	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4438	4438	Catch Basin	CATCH BASIN - AMARANTH STREET	15-25 Amaranth St. Grand Valley Dufferin County ON L9W 5M4 CA	Emma Street From: Mill Street To: Amaranth Street	Mill Street	Amaranth Street	2014	100.00	92	8	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	92
4508	4508	Catch Basin	Catch Basin - West Bank Alley	11 West Bank Alley Grand Valley Dufferin County ON L9W 5P9 CA	West Bank Alley	Mill Street	Amaranth Street	2014	100.00	92	8	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	92
4522	4522	Catch Basin	Catch Basin - Mill Street	19 Mill St. Grand Valley Dufferin County ON L9W 5V9 CA	Mill Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4524		Catch Basin	Catch Basin - Leeson Street		Leeson Street			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4525	4525	Catch Basin	Catch Basin - Cooper Street	11 Cooper St. Grand Valley Dufferin County ON L9W 5N5 CA	Cooper Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4529	4529	Catch Basin	Catch Basin - Main Street	187 Main St. Grand Valley Dufferin County ON L9W 5V3 CA	Main Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4530	4530	Catch Basin	Catch Basin - William Street	4-6 William St. Grand Valley Dufferin County ON L9W 5Y5 CA	William Street			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4535	4535	Catch Basin	Catch Basin - Taylor Drive	1-3 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4536	4536	Catch Basin	Catch Basin - Taylor Drive	10 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive	Mill Street		2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4547	4547	Catch Basin	Catch Basin - Taylor Drive	55 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4548	4548	Catch Basin	Catch Basin - Taylor Drive	32-54 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4549	4549	Catch Basin	Catch Basin - Taylor Drive	55 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4550	4550	Catch Basin	Catch Basin - Taylor Drive	56-64 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4551	4551	Catch Basin	Catch Basin - Taylor Drive	56-64 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4552		Catch Basin	Catch Basin - Taylor Drive	56-64 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4553		Catch Basin	Catch Basin - Taylor Drive	56-64 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4554	4554	Catch Basin	Ditch Inlet Catch Basin - William Street - Backyard		William Street - Backyard			2013	100.00	91	9	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4556	4556	Catch Basin	Double Catch Basin - Taylor Drive	81 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4559		Catch Basin	Catch Basin - Melody Lane	15 Melody Ln. Grand Valley Dufferin County ON L9W 6P1 CA	Melody Lane			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4560	4560	Catch Basin	Double Catch Basin - Melody Lane		Melody Lane			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4567	4567	Catch Basin	Catch Basin - Taylor Drive	81 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4568	4568	Catch Basin	Catch Basin - Taylor Drive	93 Taylor Dr. Grand Valley Dufferin County ON L9W 6P2 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91

Fixed Asset #	Field ID	Asset Type / Sub-Type	Asset Name	Road Name / Address	Road Name	Road From	Road To	Install Year	Useful Life	Remaining Useful Life	Age	2022 Replacement Cost	Condition Based On Useful Life	Assessed Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Revised Remaining Useful Life
									100.00	67.80	32.20	\$4,271,000			6.9					1.5				
4574	4574	Catch Basin	Catch Basin - Taylor Drive	132 Taylor Dr. Grand Valley Dufferin County ON L9W 6P1 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4575	4575	Catch Basin	Catch Basin - Taylor Drive	105-131 Taylor Dr. Grand Valley Dufferin County ON L9W 6P2 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4576	4576	Catch Basin	Catch Basin - Taylor Drive	140 Taylor Dr. Grand Valley Dufferin County ON L9W 6P1 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4577	4577	Catch Basin	Double Catch Basin - Monty Ave	9 Monty Ave. Grand Valley Dufferin County ON L9W 6P1 CA	Monty Ave			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4589		Catch Basin	Catch Basin - Melody Lane	21 Melody Ln. Grand Valley Dufferin County ON L9W 6P1 CA	Melody Lane			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4590	4590	Catch Basin	Rearlot Catch Basin - Melody Lane - Backyard	15 Melody Ln. Grand Valley Dufferin County ON L9W 6P1 CA	Melody Lane - Backyard			2013	100.00	91	9	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4592	4592	Catch Basin	Catch Basin - Cooper Street	7 Cooper St. Grand Valley Dufferin County ON L9W 5N5 CA	Cooper Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4593	4593	Catch Basin	Catch Basin - Cooper Street	7 River St. Grand Valley Dufferin County ON L9W 5N5 CA	Cooper Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4594	4594	Catch Basin	Ditch Inlet Catch Basin - Monty Avenue	4 Monty Ave. Grand Valley Dufferin County ON L9W 6P1 CA	Monty Avenue			2013	100.00	91	9	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4596	4596	Catch Basin	Ditch Inlet Catch Basin - Water Street	122 Water St. Grand Valley Dufferin County ON L9W 5X5 CA	Water Street			2013	100.00	91	9	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4604	4604	Catch Basin	Catch Basin - Crozier Street	54 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4605	4605	Catch Basin	Catch Basin - Crozier Street	15 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4606	4606	Catch Basin	Catch Basin - Crozier Street	2-30 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4607	4607	Catch Basin	Catch Basin - Crozier Street	2-30 Crozier St. Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4608	4608	Catch Basin	Catch Basin - Mill Street	28 Mill St. Grand Valley Dufferin County ON L9W 5V9 CA	Mill Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4609	4609	Catch Basin	Catch Basin - River Street	7 River St. Grand Valley Dufferin County ON L9W 5N5 CA	River Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4610	4610	Catch Basin	Catch basin - Leeson Street	Leeson St.	Leeson Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4611	4611	Catch Basin	Catch Basin - Leeson Street	40 Leeson St. Grand Valley Dufferin County ON L9W 5S4 CA	Leeson Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4613	4613	Catch Basin	Catch Basin - Leeson Street	52 Leeson St. Grand Valley Dufferin County ON L9W 5S4 CA	Leeson Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4615	4615	Catch Basin	Catch Basin - Leeson Street	Leeson St.	Leeson Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4616	4616	Catch Basin	Catch Basin - Leeson Street	49 Leeson St. Grand Valley Dufferin County ON L9W 5S4 CA	Leeson Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
5228	5228	Catch Basin	CatchBasin - Rear Lot - 10 Main Street	54 Water St. Grand Valley Dufferin County ON L9W 5V4 CA	Rear Lot - 10 Main Street			1969	100.00	47	53	\$7,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
5282	5282	Catch Basin	RearlotCatchbasin - Rear Lot, East of Crozier Street	107 Crozier St Grand Valley Dufferin County ON L9W 5N6 CA	Crozier Street			1969	100.00	47	53	\$7,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
5284	5284	Catch Basin	CatchBasin - East Back Lane	11 East Back Ln. Grand Valley Dufferin County ON L9W 5S8 CA	East Back Lane			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5285	5285	Catch Basin	CatchBasin - Wastewater Treatment Plant - Industrial Road	18 Watson Rd. Grand Valley Dufferin County ON L9W 6N9 CA	Wastewater Treatment Plant - Industrial Road			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5286	5286	Catch Basin	RearlotCatchbasin - Rear Lot, 52 Leeson Street	50 Leeson St N Grand Valley Dufferin County ON L9W 5S4 CA	Rear Lot, 52 Leeson Street			2013	100.00	91	9	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5352	5352	Catch Basin	DoubleCatchBasin - Stub Street Off Taylor Drive	Tindall Cres.	Taylor Drive			2016	100.00	94	6	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2106	10	2116	94
5379		Catch Basin	Ditch Inlet Catch Basin - Cooper Street		Cooper Street			1996	100.00	74	26	\$6,000	7		7	Good	Unlikely	Moderate	M	2	2086	10	2096	74
5381		Catch Basin	Catch Basin - Main Street		Main Street			1996	100.00	74	26	\$10,000	7		7	Good	Unlikely	Moderate	M	2	2086	10	2096	74
5382		Catch Basin	Ditch Inlet Catch Basin - Main Street		Main Street	Water Tower		1996	100.00	74	26	\$6,000	7		7	Good	Unlikely	Moderate	M	2	2086	10	2096	74
5384		Catch Basin	Catch Basin - Main Street		Main Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
5550		Catch Basin	Double Ditch Inlet Catch Basin - Taylor at south of Storm Pond on East		Taylor Street at south of Storm Pond on East			2013	100.00	91	9	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5560		Catch Basin	Catch Basin - William Street		William Street			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5561		Catch Basin	Ditch Inlet Catch Basin - Concession Rd 2-3		Concession Rd 2-3			2013	100.00	91	9	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5565		Catch Basin	Catch Basin - Taylor Drive		Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5566		Catch Basin	Double Catch Basin - Mill Street		Mill Street			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5642		Catch Basin	CATCH BASIN - MILL ST @ EMMA ST		Mill Street	Emma Street		2020	100.00	98	2	\$10,000	10		10	Very Good	Rare	Moderate	L	1	2110	10	2120	98
7399	7399	Catch Basin	Double Ditch Catch Basin - Mayberry Drive	Mayberry Dr.	Mayberry Drive			2015	100.00	93	7	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7401	7401	Catch Basin	Catch Basin - Ritchie Drive	Ritchie Dr.	Ritchie Drive			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7402	7402	Catch Basin	Catch Basin - Stuckey Lane	Stuckey Ln.	Stuckey Lane			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7403	7403	Catch Basin	Catch Basin - Stuckey Lane	Stuckey Ln.	Stuckey Lane			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7404	7404	Catch Basin	Catch Basin - Stuckey Lane	Stuckey Ln.	Stuckey Lane			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7405	7405	Catch Basin	Catch Basin - Stuckey Lane	Stuckey Ln.	Stuckey Lane			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7406	7406	Catch Basin	Catch Basin - Stuckey Lane	Stuckey Ln.	Stuckey Lane			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7407	7407	Catch Basin	Catch Basin - Stuckey Lane	Stuckey Ln.	Stuckey Lane			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7408	7408	Catch Basin	Catch Basin - Hunt Street	Hunt St.	Hunt Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7409	7409	Catch Basin	Catch Basin - Hunt Street	Hunt St.	Hunt Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7410	7410	Catch Basin	Catch Basin - Hunt Street	Hunt St.	Hunt Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7411	7411	Catch Basin	Catch Basin - Hunt Street	Hunt St.	Hunt Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7412	7412	Catch Basin	Catch Basin - Jenkins Street	Jenkins St.	Jenkins Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7413	7413	Catch Basin	Catch Basin - Jenkins Street	Jenkins St.	Jenkins Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7414	7414	Catch Basin	Catch Basin - Ritchie Drive	Ritchie Dr.	Ritchie Drive			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7415	7415	Catch Basin	Catch Basin - Ritchie Drive	Ritchie Dr.	Ritchie Drive			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7416	7416	Catch Basin	Double Catch Basin - Beam Street	Beam St.	Beam Street			2015	100.00	93	7													

Fixed Asset #	Field ID	Asset Type / Sub-Type	Asset Name	Road Name / Address	Road Name	Road From	Road To	Install Year	Useful Life	Remaining Useful Life	Age	2022 Replacement Cost	Condition Based On Useful Life	Assessed Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Revised Remaining Useful Life
7428	7428	Catch Basin	Catch Basin - MacIntyre Lane	McIntyre Ln.	MacIntyre Lane			2015	100.00	67.80	32.20	\$4,271,000	9		6.9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7429	7429	Catch Basin	Catch Basin - MacIntyre Lane	McIntyre Ln.	MacIntyre Lane			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7430	7430	Catch Basin	Catch Basin - Mayberry Drive	Mayberry Dr.	Mayberry Drive			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7431	7431	Catch Basin	Catch Basin - Mayberry Drive	Mayberry Dr.	Mayberry Drive			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7432	7432	Catch Basin	Catch Basin - Beam Street	Beam St.	Beam Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7433	7433	Catch Basin	Catch Basin - Beam Street	Beam St.	Beam Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7434	7434	Catch Basin	Double Ditch Cach Basin - Beam Street	Beam St.	Beam Street			2015	100.00	93	7	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7441	7441	Catch Basin	Catch Basin - Hilborn Street	Hilborn St.	Hilborn Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7442	7442	Catch Basin	Catch Basin - Hilborn Street	Hilborn St.	Hilborn Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7443	7443	Catch Basin	Catch Basin - Hilborn Street	Hilborn St.	Hilborn Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7444	7444	Catch Basin	Catch Basin - Hilborn Street	Hilborn St.	Hilborn Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7445	7445	Catch Basin	Catch Basin - Hilborn Street	Hilborn St.	Hilborn Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7446	7446	Catch Basin	Double Catch basin - Hilborn Street	Round About (Mayberry Dr. - Richie Drive - Hilborn St.)	Hilborn Street			2015	100.00	93	7	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7450	7450	Catch Basin	Catch Basin - Mayberry Drive	Mayberry Dr.	Mayberry Drive			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7451	7451	Catch Basin	Double Catch Basin - Mayberry Drive	Round About (Mayberry Dr. - Richie Drive - Hilborn St.)	Mayberry Drive			2015	100.00	93	7	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7453	7453	Catch Basin	Catch Basin - Ritchie Drive	Round About (Mayberry Dr. - Richie Drive - Hilborn St.)	Ritchie Drive			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7454	7454	Catch Basin	Catch Basin - Ritchie Drive	Ritchie Dr.	Ritchie Drive			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7455	7455	Catch Basin	Catch Basin - Ritchie Drive	Ritchie Dr.	Ritchie Drive			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7456	7456	Catch Basin	Double Catch Basin - Ritchie Drive	Ritchie Dr.	Ritchie Drive			2015	100.00	93	7	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
8500	8500	Catch Basin	Catch Basin - Sideroad 21-22	35516-35598 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0H5 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8509	8509	Catch Basin	Catch Basin - Concession 6-7	321191-321279 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0W8 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8510	8510	Catch Basin	Catch Basin - Concession 6-7	321190-321278 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0W8 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8511	8511	Catch Basin	Catch Basin - Concession 6-7	321610-321828 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0W8 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8514	8514	Catch Basin	Catch Basin - Concession 27-28	115156-115168 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0L4 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8515	8515	Catch Basin	Catch Basin - Concession 27-28	115148 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0L4 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8516	8516	Catch Basin	Catch Basin - Concession 27-28	114932-115106 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0L3 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8517	8517	Catch Basin	Catch Basin - Concession 27-28	114932-115106 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0L3 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8519	8519	Catch Basin	Catch Basin - Concession 27-28	114291-114381 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0X1 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8521	8521	Catch Basin	Catch Basin - Sideroad 21-22	33082-33102 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0E9 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8522	8522	Catch Basin	Catch Basin - Sideroad 21-22	33281-33407 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0G1 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8523	8523	Catch Basin	Catch Basin - Amaranth East Luther TL	193091-193147 Amaranth-East Luther Townline Amaranth Dufferin County ON L9W 0M3 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8524	8524	Catch Basin	Catch Basin - Amaranth East Luther TL	193090-193146 Amaranth-East Luther Townline Grand Valley Dufferin County ON L9W 0M3 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8526	8526	Catch Basin	Catch Basin - Amaranth East Luther TL	193090-193146 Amaranth-East Luther Townline Grand Valley Dufferin County ON L9W 0M3 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8528	8528	Catch Basin	Catch Basin - Amaranth East Luther TL	194062-194186 Amaranth-East Luther Townline Grand Valley Dufferin County ON L0N 1G0 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8529	8529	Catch Basin	Catch Basin - Concession 12-13	442195-442321 Conc. Rd. 12-13 Grand Valley Dufferin County ON L9W 3W1 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8530	8530	Catch Basin	Catch Basin - Concession 8-9	Conc. Rd. 8-9 Grand Valley Dufferin County ON CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8531	8531	Catch Basin	Catch Basin - Concession 4-5	282297-282305 Conc. Rd. 4-5 Grand Valley Dufferin County ON L9W 0W4 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8532	8532	Catch Basin	Catch Basin - Concession 4-5	282073-282105 Conc. Rd. 4-5 Grand Valley Dufferin County ON L9W 0V8 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8534	8534	Catch Basin	Catch Basin - East Luther Wellington TL	8464-8578 East Luther-Wellington North Townline Wellington North Wellington County ON N0G 1A0 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8535	8535	Catch Basin	Catch Basin - East Luther Wellington TL	8385-8417 East Luther-Wellington North Townline Grand Valley Dufferin County ON N0G 1A0 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8536	8536	Catch Basin	Catch Basin - Concession 2-3	242193-242197 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 7P2 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8542	8542	Catch Basin	Catch Basin - Melody Lane	Melody Ln. Grand Valley Dufferin County ON CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8543	8543	Catch Basin	Catch Basin - Melody Lane	173162 Melody Ln. Grand Valley Dufferin County ON L9W 0L6 CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8544	8544	Catch Basin	Catch Basin - Water St	173162 Water St. Grand Valley Dufferin County ON L9W 0L6 CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8545	8545	Catch Basin	Catch Basin - Water St	173162 Water St. Grand Valley Dufferin County ON L9W 0L6 CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8546	8546	Catch Basin	Catch Basin - Taylor Drive	131 Taylor Dr. Grand Valley Dufferin County ON L9W 6P2 CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8547	8547	Catch Basin	Catch Basin - Taylor Drive	65 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8548	8548	Catch Basin	Catch Basin - Taylor Drive	68 Taylor Dr. Grand Valley Dufferin County ON L9W 6P3 CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8549	8549	Catch Basin	Catch Basin - Mill St	61 Mill St. Grand Valley Dufferin County ON L9W 6P3 CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8550	8550	Catch Basin	Catch Basin - Mill St	Round About (Taylor Dr. - Mill St.) Grand Valley Dufferin County ON CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8554	8554	Catch Basin	Catch Basin - Emma St	42 Emma St. Grand Valley Dufferin County ON L9W 5N8 CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8555	8555	Catch Basin	Catch Basin - Leeson Street	84 Leeson St. Grand Valley Dufferin County ON L9W 5S5 CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8558	8558	Catch Basin	Catch Basin - Leeson Street	26 Leeson St. Grand Valley Dufferin County ON L9W 5S5 CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8559	8559	Catch Basin	Catch Basin - Leeson Street	24 Leeson St. Grand Valley Dufferin County ON L9W 5S4 CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8560	8560	Catch Basin	Catch Basin	65 Grand Valley Dufferin County ON L9W 5X3 CA				2011	100.00	89	11	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
8562	8562	Catch Basin	Catch Basin - Spruyt Ave	17 Spruyt Ave. Grand Valley Dufferin County ON L9W 5X4 CA				1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8563	8563	Catch Basin	Catch Basin - Main Street	28 Main St. Grand Valley Dufferin County ON N0G 2P0 CA				1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8567	8567	Catch Basin	Catch Basin - Ritchie Drive	27 Ritchie Dr. Grand Valley Dufferin County ON L9W 6W4 CA				2020	100.00	98	2	\$10,000	10		10	Very Good	Rare	Moderate	L	1	2110	10	2120	98
8568	8568	Catch Basin	Catch Basin - Leeson Street	74 Leeson St N Grand Valley Dufferin County ON CA				1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059			

Fixed Asset #	Field ID	Asset Type / Sub-Type	Asset Name	Road Name / Address	Road Name	Road From	Road To	Install Year	Useful Life	Remaining Useful Life	Age	2022 Replacement Cost	Condition Based On Useful Life	Assessed Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Revised Remaining Useful Life
	8572	Catch Basin	Catch Basin - Emma St	42 Emma St. Grand Valley Dufferin County ON L9W 5N8 CA				1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4566	4566	Catch Basin	Catch Basin - Taylor Drive	6 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 7P1 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
2908		Ditch Catch Basin	Catch Basin - Cooper Street at Pumping Station		Cooper Street at Pumping Station			1993	100.00	71	29	\$6,000	7		7	Good	Unlikely	Moderate	M	2	2083	10	2093	71
3245	3245	Ditch Catch Basin	DitchInletCatchBasin - Concession Road 2-3	10 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 5S5 CA	Concession Road 2-3	Sideroad 28-29	Leeson Street	1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4520	4520	Ditch Catch Basin	Ditch Inlet Catch Basin - Cooper Street	11 Cooper St. Grand Valley Dufferin County ON L9W 5N5 CA	Cooper Street			1996	100.00	74	26	\$6,000	7		7	Good	Unlikely	Moderate	M	2	2086	10	2096	74
4521	4521	Ditch Catch Basin	Ditch Inlet Catch Basin - Cooper Street	11 River St. Grand Valley Dufferin County ON L9W 5N5 CA	Cooper Street			1996	100.00	74	26	\$6,000	7		7	Good	Unlikely	Moderate	M	2	2086	10	2096	74
4528	4528	Ditch Catch Basin	Catch Basin - Main Street	191 Main St. Grand Valley Dufferin County ON L9W 5V3 CA	Main Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4597	4597	Ditch Catch Basin	Ditch Inlet Catch Basin - Water Street	122 Water St. Grand Valley Dufferin County ON L9W 5X5 CA	Water Street			2013	100.00	91	9	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4598	4598	Ditch Catch Basin	Ditch Inlet Catch Basin - Water Street	149 Water St. Grand Valley Dufferin County ON L9W 5Y8 CA	Water Street			2013	100.00	91	9	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4599	4599	Ditch Catch Basin	Ditch Inlet Catch Basin - Water Street	150-198 Water St. Grand Valley Dufferin County ON L9W 5Y8 CA	Water Street			2013	100.00	91	9	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4600	4600	Ditch Catch Basin	Ditch Inlet Catch Basin - Water Street	173162 Water St. Grand Valley Dufferin County ON L9W 0L6 CA	Water Street			2013	100.00	91	9	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4601	4601	Ditch Catch Basin	Ditch Inlet Catch Basin - Water Street		Water Street			2013	100.00	91	9	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5378		Ditch Catch Basin	Catch Basin - Main Street		Main Street			1975	100.00	53	47	\$10,000	5		5	Average	Possible	Moderate	M	2	2065	10	2075	53
5380		Ditch Catch Basin	Catch Basin - Mill Street		Mill Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
5383		Ditch Catch Basin	Catch Basin - Main Street		Main Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
5562		Ditch Catch Basin	Ditch Inlet Catch Basin - Concession Rd 2-3		Concession Rd 2-3			2013	100.00	91	9	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5564		Ditch Catch Basin	Catch Basin - Taylor Drive		Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
3161	3161	Ditch Inlet Catch Basin	CatchBasin - Main Street	95 Main St. Grand Valley Dufferin County ON L9W 5S6 CA	Main Street From: Webb Street To: Spruyt Avenue	Webb Street	Spruyt Avenue	1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
3222	3222	Ditch Inlet Catch Basin	CatchBasin - Main Street	120 Main St. Grand Valley Dufferin County ON L9W 5S7 CA	Main Street From: Spruyt Avenue To: Luther Road	Spruyt Avenue	Luther Road	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4517	4517	Ditch Inlet Catch Basin	Double Ditch Inlet Catch Basin - William Street		William Street			2013	100.00	91	9	\$8,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4518	4518	Ditch Inlet Catch Basin	Double Ditch Inlet Catch Basin - William Street		William Street			2013	100.00	91	9	\$8,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4519	4519	Ditch Inlet Catch Basin	Double Ditch Inlet Catch Basin - William Street		William Street			2013	100.00	91	9	\$8,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4523	4523	Ditch Inlet Catch Basin	Double Ditch Inlet Catch Basin - William Street	71 William St. Grand Valley Dufferin County ON L9W 6P8 CA	William Street			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4526	4526	Ditch Inlet Catch Basin	Catch Basin - Main Street	173353 County Rd. 25 Grand Valley Dufferin County ON L0N 1G0 CA	Main Street			1996	100.00	74	26	\$10,000	7		7	Good	Unlikely	Moderate	M	2	2086	10	2096	74
4531	4531	Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Concession Rd 2-3	2 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 6V1 CA	Concession Rd 2-3			2020	100.00	98	2	\$6,000	10		10	Very Good	Rare	Moderate	L	1	2110	10	2120	98
4533	4533	Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Concession Rd 2-3	242358-242398 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 6P4 CA	Concession Rd 2-3			2013	100.00	91	9	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2103	11	2114	92
4595	4595	Ditch Inlet Catch Basin	Catch Basin - Joyce Court	34 Joyce Ct. Grand Valley Dufferin County ON L9W 5R5 CA	Joyce Court			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4602	4602	Ditch Inlet Catch Basin	Catch Basin - Amaranth Street	32 Amaranth St. Grand Valley Dufferin County ON L9W 5L2 CA	Amaranth Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4612	4612	Ditch Inlet Catch Basin	Catch Basin - Leeson Street	44 Leeson St. Grand Valley Dufferin County ON L9W 5S4 CA	Leeson Street			1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
5237	5237	Ditch Inlet Catch Basin	DitchInletCatchBasin - Mount Haven Cres	24 Mount Haven Cres. Grand Valley Dufferin County ON L9W 5Y9 CA	Mount Haven Crescent			1995	100.00	73	27	\$6,000	7		7	Good	Unlikely	Moderate	M	2	2085	10	2095	73
5238	5238	Ditch Inlet Catch Basin	DitchInletCatchBasin - Mount Haven Cres	24 Mount Haven Cres. Grand Valley Dufferin County ON L9W 5Y9 CA	Mount Haven Crescent			1995	100.00	73	27	\$6,000	7		7	Good	Unlikely	Moderate	M	2	2085	10	2095	73
5281	5281	Ditch Inlet Catch Basin	CatchBasin - Wastewater Treatment Plant - Industrial Road	18 Wastown Rd. Grand Valley Dufferin County ON L9W 6N9 CA	Wastewater Treatment Plant - Industrial Road			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5377		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Water Street		Water Street			1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
7440	7440	Ditch Inlet Catch Basin	Catch Basin - Hillborn Street	Hilborn St.	Hilborn Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7459	7459	Ditch Inlet Catch Basin	Ditch Catch Basin - Ritchie Drive	Ritchie Dr.	Ritchie Drive			2015	100.00	93	7	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7460	7460	Ditch Inlet Catch Basin	Yard Catch Basin - Hillborn Street	Hilborn St.	Hilborn Street			2015	100.00	93	7	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
8501		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Concession 12-13	441030-441108 Conc. Rd. 12-13 Grand Valley Dufferin County ON L9W 029 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8502		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Concession 12-13	441031-441109 Conc. Rd. 12-13 Grand Valley Dufferin County ON L9W 029 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8503		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Sideroad 24-25	75420-75668 Sideroad 24-25 Grand Valley Dufferin County ON L9W 3W5 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8504		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Sideroad 24-25	75094 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0J5 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8505		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Sideroad 24-25	75274-75322 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0K2 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8506		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Sideroad 24-25	75275-75323 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0K2 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8507		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Sideroad 21-22	34335-34349 Sideroad 21-22 Grand Valley Dufferin County ON L9W 0G2 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8508		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Sideroad 21-22	Sideroad 21-22 Grand Valley Dufferin County ON CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8512		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Concession 6-7	321611-321829 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0W8 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8513		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Concession 6-7	322137-322179 Conc. Rd. 6-7 Grand Valley Dufferin County ON L9W 0X1 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8518		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Concession 27-28	114933-115107 Sideroad 27-28 Grand Valley Dufferin County ON L9W 0L3 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8520		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Sideroad 24-25	73143-73179 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0J1 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8525		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Amaranth East Luther TL	193091-193147 Amaranth-East Luther Townline Amaranth Dufferin County ON L9W 0M3 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8533		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Sideroad 24-25	74182-74278 Sideroad 24-25 Grand Valley Dufferin County ON L9W 0J3 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8537		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Concession 2-3	242192-242196 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 7P2 CA				1969	100.00	47	53	\$6,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8538		Ditch Inlet Catch Basin	Ditch Inlet Catch Basin - Concession 2-3	242192-242196 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 7P2 CA				1																

Fixed Asset #	Field ID	Asset Type / Sub-Type	Asset Name	Road Name / Address	Road Name	Road From	Road To	Install Year	Useful Life	Remaining Useful Life	Age	2022 Replacement Cost	Condition Based On Useful Life	Assessed Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Revised Remaining Useful Life
4112	4112	Double Catch Basin	CatchBasin - Main Street	29 Main St. Grand Valley Dufferin County ON L9W 5S8 CA	Main Street From: Mill Street To: Amaranth Street	Mill Street	Amaranth Street	1969	100.00	67.80	32.20	\$4,271,000	5		6.9	Average	Possible	Moderate	M	1.5	2059	10	2069	47
4148	4148	Double Catch Basin	CatchBasin - Joyce Court	22 Joyce Ct. Grand Valley Dufferin County ON L9W 5R5 CA	Joyce Court From: Luther Road To: End (cul-de-sac)	Luther Road	End (cul-de-sac)	1969	100.00	47	53	\$10,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4173	4173	Double Catch Basin	Double CatchBasin - Luther Road	70 Luther Rd. Grand Valley Dufferin County ON L9W 5R1 CA	Luther Road From: Mary Court To: End (cul-de-sac)	Mary Court	End (cul-de-sac)	1969	100.00	47	53	\$13,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4431	4431	Double Catch Basin	DOUBLE CATCH BASIN - EMMA STREET	15 Emma St. Grand Valley Dufferin County ON L9W 5N8 CA	Emma Street From: Amaranth Street To: Douglas Street	Amaranth Street	Douglas Street	2014	100.00	92	8	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	92
4433	4433	Double Catch Basin	DOUBLE CATCH BASIN - AMARANTH STREET	30-48 Amaranth St. Grand Valley Dufferin County ON L9W 5M5 CA	Amaranth Street From: Leeson Street To: Emma Street	Leeson Street	Emma Street	2014	100.00	92	8	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	92
4434	4434	Double Catch Basin	DOUBLE CATCH BASIN - AMARANTH STREET	27-45 Amaranth St. Grand Valley Dufferin County ON L9W 5M5 CA	Amaranth Street From: Leeson Street To: Emma Street	Leeson Street	Emma Street	2014	100.00	92	8	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	92
4435	4435	Double Catch Basin	DOUBLE CATCH BASIN - EMMA STREET	5 Emma St. Grand Valley Dufferin County ON L9W 5P9 CA	Emma Street From: Mill Street To: Amaranth Street	Mill Street	Amaranth Street	2014	100.00	92	8	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	92
4437	4437	Double Catch Basin	DOUBLE CATCH BASIN - EMMA STREET	5 Emma St. Grand Valley Dufferin County ON L9W 5P9 CA	Emma Street From: Mill Street To: Amaranth Street	Mill Street	Amaranth Street	2014	100.00	92	8	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2104	10	2114	92
4539	4539	Double Catch Basin	Double Catch Basin - Mill Street	17 Round About (Taylor Dr. - Mill St.) Grand Valley Dufferin County ON L9W 7P1 CA	Mill Street			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4540	4540	Double Catch Basin	Double Catch Basin - Mill Street	28 Round About (Taylor Dr. - Mill St.) Grand Valley Dufferin County ON L9W 6P4 CA	Mill Street			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4541	4541	Double Catch Basin	Double Catch Basin - Mill Street	71 Round About (Taylor Dr. - Mill St.) Grand Valley Dufferin County ON L9W 6P3 CA	Mill Street			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4542	4542	Double Catch Basin	Double Catch Basin - Mill Street	Round About (Taylor Dr. - Mill St.) Grand Valley Dufferin County ON CA	Mill Street			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4543	4543	Double Catch Basin	Double Catch Basin - Mill Street	Round About (Taylor Dr. - Mill St.) Grand Valley Dufferin County ON CA	Mill Street			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4545	4545	Double Catch Basin	Double Catch Basin - Taylor Drive	Round About (Taylor Dr. - Mill St.) Grand Valley Dufferin County ON CA	Taylor Drive			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4546	4546	Double Catch Basin	Catch Basin - Taylor Drive	71 Taylor Dr. Grand Valley Dufferin County ON L9W 6P3 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4557	4557	Double Catch Basin	Double Catch Basin - Taylor Drive	133-199 Taylor Dr. Grand Valley Dufferin County ON L9W 6P1 CA	Taylor Drive			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4558	4558	Double Catch Basin	Catch Basin - Melody Lane	152 Taylor Dr. Grand Valley Dufferin County ON L9W 6P1 CA	Melody Lane			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4561	4561	Double Catch Basin	Double Catch Basin - Melody Lane	11 Melody Ln. Grand Valley Dufferin County ON L9W 6P1 CA	Melody Lane			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4562	4562	Double Catch Basin	Rearlot Catch Basin - Concession Rd 2-3	12 Melody Ln. Grand Valley Dufferin County ON L9W 6P1 CA	Concession Rd 2-3			2013	100.00	91	9	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4578	4578	Double Catch Basin	Double Catch Basin - Monty Ave	6 Monty Ave Grand Valley Dufferin County ON L9W 6P1 CA	Monty Ave			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4579		Double Catch Basin	Rearlot Catch Basin - Mill Street	19 Mill St. Grand Valley Dufferin County ON L9W 7P1 CA	Mill Street			2013	100.00	91	9	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4582	4582	Double Catch Basin	Double Catch Basin - Mill Street	104 Grand Valley Dufferin County ON L9W 6P2 CA	Mill Street			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4584	4584	Double Catch Basin	Rearlot Catch Basin - Taylor Drive		Taylor Drive - Backyard			2013	100.00	91	9	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5568		Double Catch Basin	STC 2000 - Monty Ave		Monty Ave			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
7417	7417	Double Catch Basin	Double Catch Basin - Beam Street	Beam St.	Beam Street			2015	100.00	93	7	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7418	7418	Double Catch Basin	Catch Basin - Beam Street	Beam St.	Beam Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7421	7421	Double Catch Basin	Double Catch Basin - Beam Street	Beam St.	Beam Street			2015	100.00	93	7	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7422	7422	Double Catch Basin	Catch Basin - Beam Street	Beam St.	Beam Street			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7447	7447	Double Catch Basin	Double Catch basin - Hilborn Street	Round About (Mayberry Dr. - Ritchie Drive - Hilborn St.)	Hilborn Street			2015	100.00	93	7	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7448	7448	Double Catch Basin	Yard Catch basin - Hilborn Street	Round About (Mayberry Dr. - Ritchie Drive - Hilborn St.)	Hilborn Street			2015	100.00	93	7	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7452	7452	Double Catch Basin	Catch Basin - Ritchie Drive	Round About (Mayberry Dr. - Ritchie Drive - Hilborn St.)	Ritchie Drive			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7457	7457	Double Catch Basin	Double Catch Basin - Ritchie Drive	Ritchie Dr.	Ritchie Drive			2015	100.00	93	7	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7458	7458	Double Catch Basin	Ditch Catch Basin - Ritchie Drive	Ritchie Dr.	Ritchie Drive			2015	100.00	93	7	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7464	7464	Double Catch Basin	Double Catch Basin - Mayberry Drive	Round About (Mayberry Dr. - Ritchie Drive - Hilborn St.)	Mayberry Drive			2015	100.00	93	7	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7465	7465	Double Catch Basin	Double Ditch Catch Basin - Mayberry Drive	Mayberry Dr.	Mayberry Drive			2015	100.00	93	7	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
8551		Double Catch Basin	Double Catch Basin - Tindall Cres	32-54 Tindall Cres. Grand Valley Dufferin County ON L9W 6P4 CA				2020	100.00	98	2	\$13,000	10		10	Very Good	Rare	Moderate	L	1	2110	10	2120	98
8552		Double Catch Basin	Double Catch Basin - Tindall Cres	32-54 Tindall Cres. Grand Valley Dufferin County ON L9W 6P4 CA				2020	100.00	98	2	\$13,000	10		10	Very Good	Rare	Moderate	L	1	2110	10	2120	98
8553		Double Catch Basin	Double Catch Basin - Mill Street	45 Mill St. Grand Valley Dufferin County ON L9W 5V9 CA				2020	100.00	98	2	\$13,000	10		10	Very Good	Rare	Moderate	L	1	2110	10	2120	98
8564		Double Catch Basin	Double Catch Basin - Main St	111 Main St. Grand Valley Dufferin County ON L9W 5S6 CA				1969	100.00	47	53	\$13,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
8569		Double Catch Basin	Double Catch Basin Amaranth St	50 Amaranth St W Grand Valley Dufferin County ON L9W 5M5 CA				1969	100.00	47	53	\$13,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
7463	7463	Double Catch Basin	Double Catch Basin - Mayberry Drive	Mayberry Dr.	Mayberry Drive			2015	100.00	93	7	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
5551		Double Ditch Catch Basin	Double Ditch Inlet Catch Basin - Taylor at south of Storm Pond on East		Taylor Street at south of Storm Pond on East			2013	100.00	91	9	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5552		Double Ditch Catch Basin	Double Ditch Inlet Catch Basin - Leeson Street		Leeson Street			2013	100.00	91	9	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5553		Double Ditch Catch Basin	Double Ditch Inlet Catch Basin - Leeson Street		Leeson Street			2013	100.00	91	9	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5554		Double Ditch Catch Basin	Double Ditch Inlet Catch Basin - Leeson Street		Leeson Street			2013	100.00	91	9	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5555		Double Ditch Catch Basin	Double Ditch Inlet Catch Basin - William Street		William Street			2013	100.00	91	9	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5556		Double Ditch Catch Basin	Double Ditch Inlet Catch Basin - William Street		William Street			2013	100.00	91	9	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5557		Double Ditch Catch Basin	Double Ditch Inlet Catch Basin - William Street		William Street			2013	100.00	91	9	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5558		Double Ditch Catch Basin	Double Ditch Inlet Catch Basin - William Street		William Street			2013	100.00	91	9	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5559		Double Ditch Catch Basin	Catch Basin - Leeson Street		Leeson Street			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
7400	7400	Double Ditch Catch Basin	Catch Basin - Ritchie Drive	Ritchie Dr.	Ritchie Drive			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7435	7435	Double Ditch Catch Basin	Double Ditch Cach Basin - Beam Street	Beam St.	Beam Street			2015	100.00	93	7	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7436	7436	Double Ditch Catch Basin	Yard Catch Basin - Stuckey Lane	Mayberry Dr.	Stuckey Lane			2015	100.00	93	7	\$7,000	9		9	Very Good	Rare	Moderate	L	1	21			

Fixed Asset #	Field ID	Asset Type / Sub-Type	Asset Name	Road Name / Address	Road Name	Road From	Road To	Install Year	Useful Life	Remaining Useful Life	Age	2022 Replacement Cost	Condition Based On Useful Life	Assessed Condition	Condition Used for Analysis	Asset Condition (As per Priority Rating)	Probability of Failure (Based on Condition or Expected Condition)	Consequence of Failure	Risk of Failure	Numerical Value of Risk of Failure	Year Replacement due to minimal maintenance practices	Current Levels of Service % benefit	Revised Levels Service Replacement Year	Revised Remaining Useful Life
	8556	Double Ditch Inlet Catch Basin	Double Ditch Inlet Catch Basin - Leeson Street	84 Leeson St. Grand Valley Dufferin County ON L9W 5S5 CA				2011	100.00	67.80	32.20	\$4,271,000	9		6.9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
	8557	Double Ditch Inlet Catch Basin	Double Ditch Inlet Catch Basin - Leeson Street	33 Leeson St. Grand Valley Dufferin County ON L9W 5S5 CA				2011	100.00	89	11	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2101	10	2111	89
4586	4586	Yard Catch Basin	Rearlot Catch Basin - Mill Street		Mill Street			2013	100.00	91	9	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
	8561	Yard Catch Basin	Rear Lot Catch Basin - Spruyt Ave	18 Spruyt Ave. Grand Valley Dufferin County ON L9W 5X4 CA				1969	100.00	47	53	\$7,000	5		5	Average	Possible	Moderate	M	2	2059	10	2069	47
4555	4555	Yard Catch Basin	Catch Basin - Taylor Drive	53 Taylor Dr. Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4564	4564	Yard Catch Basin	Ditch Inlet Catch Basin - Concession Rd 2-3	11 Conc. Rd. 2-3 Grand Valley Dufferin County ON L9W 7P1 CA	Concession Rd 2-3			2013	100.00	91	9	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4580	4580	Yard Catch Basin	Rearlot Catch Basin - Mill Street	58-98 Mill St. Grand Valley Dufferin County ON L9W 6P3 CA	Mill Street			2013	100.00	91	9	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4581	4581	Yard Catch Basin	Double Catch Basin - Mill Street	58-98 Mill St. Grand Valley Dufferin County ON L9W 6P3 CA	Mill Street			2013	100.00	91	9	\$13,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4585	4585	Yard Catch Basin	Double Rearlot Catch Basin - Taylor Rd - Backyard	30 Round About (Taylor Dr. - Mill St.) Grand Valley Dufferin County ON L9W 6P4 CA	Taylor Drive - Backyard			2013	100.00	91	9	\$11,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4587	4587	Yard Catch Basin	Rearlot Catch Basin - Melody Lane	152 Melody Ln. Grand Valley Dufferin County ON L9W 6P1 CA	Melody Lane			2013	100.00	91	9	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4588	4588	Yard Catch Basin	Catch Basin - Melody Lane	152 Melody Ln. Grand Valley Dufferin County ON L9W 6P1 CA	Melody Lane			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
4591	4591	Yard Catch Basin	Catch Basin - William Street		William Street			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5236	5236	Yard Catch Basin	DitchInletCatchBasin - Mount Haven Crescent	21 Mount Haven Cres. Grand Valley Dufferin County ON L9W 5Y9 CA	Mount Haven Crescent			1995	100.00	73	27	\$6,000	7		7	Good	Unlikely	Moderate	M	2	2085	10	2095	73
5283	5283	Yard Catch Basin	CatchBasin - Wastewater Treatment Plant - Watson Road	18 Watson Rd. Grand Valley Dufferin County ON L9W 6N9 CA	Wastewater Treatment Plant - Industrial Road			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
5287	5287	Yard Catch Basin	CatchBasin - Wastewater Treatment Plant - Watson Road	Watson Rd.	Wastewater Treatment Plant - Industrial Road			2013	100.00	91	9	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2103	10	2113	91
7437	7437	Yard Catch Basin	Yard Catch Basin - Stuckey Lane	Stuckey Ln.	Stuckey Lane			2015	100.00	93	7	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7438	7438	Yard Catch Basin	Yard Catch Basin - Beam Street	Beam St.	Beam Street			2015	100.00	93	7	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7439		Yard Catch Basin	Ditch Catch Basin - Beam Street		Beam Street			2015	100.00	93	7	\$6,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7449	7449	Yard Catch Basin	Catch Basin - Mayberry Drive	Mayberry Dr.	Mayberry Drive			2015	100.00	93	7	\$10,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7461	7461	Yard Catch Basin	Yard Catch Basin - Hilborn Street	Hilborn St.	Hilborn Street			2015	100.00	93	7	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7462	7462	Yard Catch Basin	Yard Catch Basin - Mayberry Drive	Mayberry Dr.	Mayberry Drive			2015	100.00	93	7	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
7711	7711	Yard Catch Basin	Yard Catch Basin - Hilborn Street	Hilborn St.	Hilborn Street			2015	100.00	93	7	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93
	8362	Yard Catch Basin	Yard Catch Basin - Douglas St	24 Douglas St Grand Valley Dufferin County ON L9W 6W4 CA				2015	100.00	93	7	\$7,000	9		9	Very Good	Rare	Moderate	L	1	2105	10	2115	93