

CITY OF WELLAND
2025 ANNUAL PERFORMANCE REPORT
Stormwater Management System - CLI-ECA #076-S701

April 2, 2026



Agile
INFRASTRUCTURE

Submission Details and Version Control

City of Welland
2025 Annual Performance Report
Stormwater Management System - CLI-ECA #076-S701

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1 INTRODUCTION

This report summarizes the performance of the City of Welland's (City) stormwater management system from January 1 to December 31, 2025, in accordance with Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) #076-S701, Schedule E, Section 5.2, issued June 23, 2023.

This report is submitted to the Ministry of the Environment, Conservation and Parks (MECP) and will be posted on the City's website by June 1, 2026.

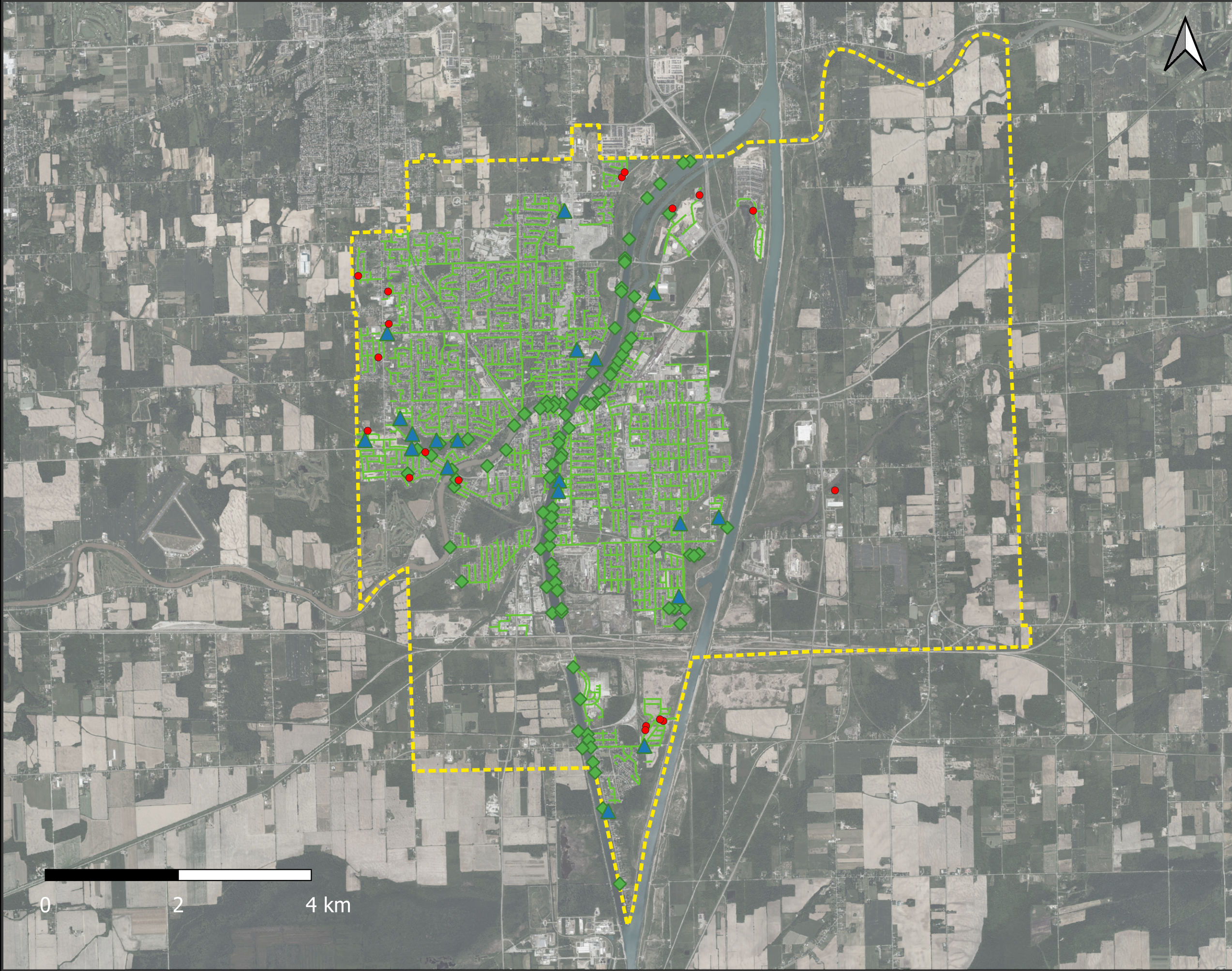
2 STORMWATER MANAGEMENT SYSTEM DESCRIPTION

The City's stormwater management system included the following infrastructure as of 31 December 2025:

- 184.2 km of storm sewers;
- 3,175 maintenance holes;
- 7,246 catchbasins;
- 112 outfalls;
- 16 stormwater management ponds;
- 19 oil and grit separators;
- 2,025 culverts.

Refer to Figure 2-1 (page 3) for a map of stormwater management system infrastructure.

The City is continually adding new infrastructure assets to the stormwater management system as new subdivisions are assumed and as existing infrastructure is replaced; therefore, the asset counts presented above will not explicitly match those listed in CLI-ECA #076-S701.



City of Welland

Stormwater Management System
Annual Performance Report

Legend

- Storm Sewers —
- Storm Sewer Outfalls ◆
- Oil Grit Separators ▲
- Stormwater Ponds ●
- Municipal Boundary - - -



Figure 2-1
Selected Elements of the Stormwater Management System



3 SYSTEM MONITORING

At present, the City does not have any water quality monitoring programs in place for its stormwater management system.

As per CLI-ECA #076-S701, Schedule E, Section 4.1, the City will eventually be required to develop and implement a monitoring plan for the stormwater management system that aligns with MECP guidance; as of March 2026, the MECP has not yet released any relevant guidance documents. Once such documents are published, the City will apply the MECP's guidance to develop a monitoring plan for the stormwater management system.

The City reports sewer overflows as part of the Annual Performance Report for the City's Sewage Collection System (CLI-ECA #076-W601).

4 SYSTEM ACTIVITY TRACKING

City staff use a work order (activity tracking) software application to record selected activities that are completed to maintain the stormwater management system. Work order reports include details of the completed activity and the date, time, and location of the work.

Figure 4-1 (page 6) provides a summary of work orders by general activity type and Table 4-1 (page 7) provides the number of work orders completed each month by activity description. There was a marked increase in work orders in May 2025 to address cleaning and maintenance work required after the change of season and spring thaw.

4.1 Operating Problems

No noteworthy operating problems were encountered in 2025.

4.2 Inspection, Maintenance and Repairs

There were 66 inspection, maintenance or repair work orders for the stormwater management system in 2025, including:

- 32 clearing, cleaning or flushing activities to remove debris from catchbasins, storm sewers, maintenance holes or laterals;
- 6 inspection activities to investigate potential system deficiencies;
- 28 repair activities to ensure infrastructure assets are fit for purpose.

In addition to these work-order-based activities, the City also flushed and inspected approximately 25km of storm sewers in 2025 as part of the annual sewer inspection program. Inspection results are used to inform asset rehabilitation and repair programs.

4.3 Equipment Calibration

The City does not own any stormwater management system assets that require calibration. Flow monitors are used for system monitoring as required; however, these are installed, calibrated, monitored, and maintained by a third-party contractor.

4.4 Community Complaints

No community complaints were received in 2025.

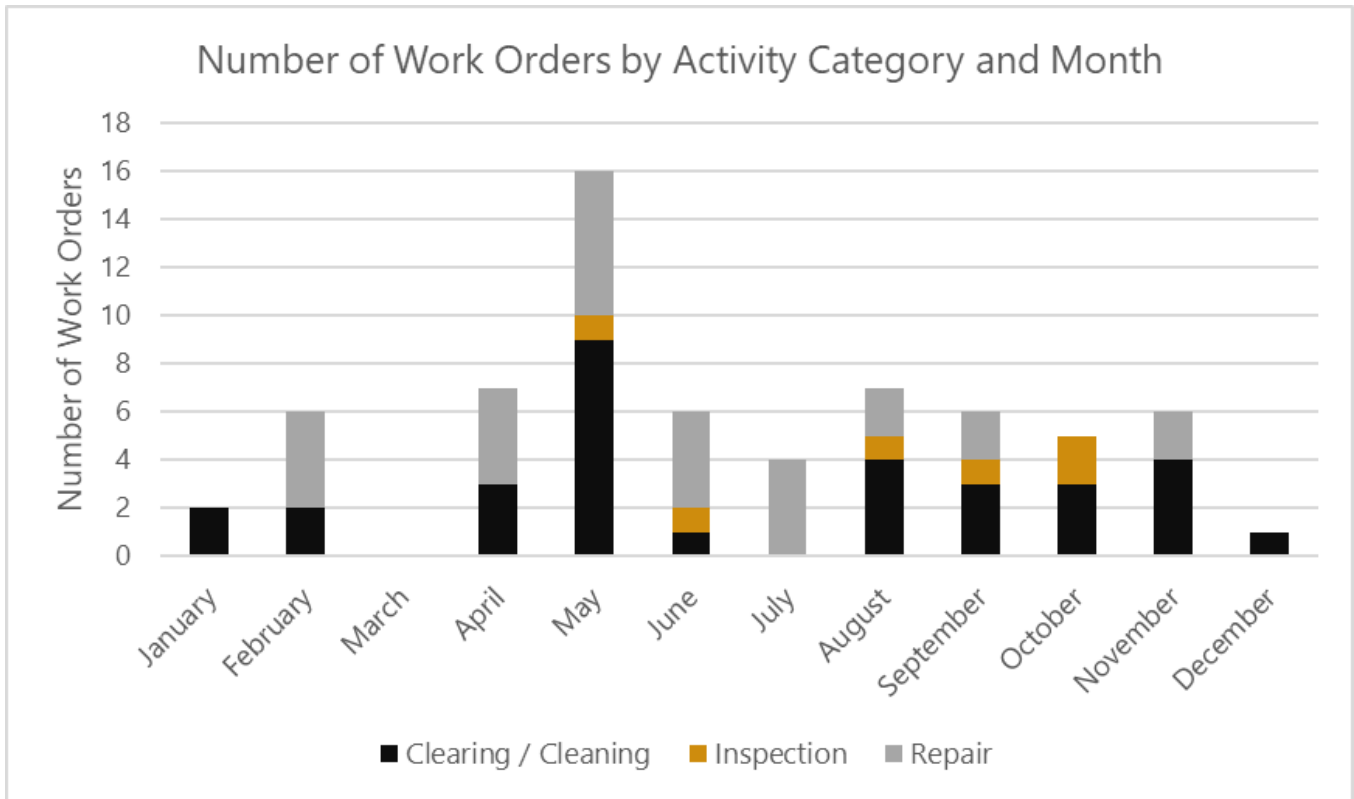


Figure 4-1: Stormwater Management System – 2025 Work Order Summary

Table 4-1: Stormwater Management System – 2025 Work Order Count

Activity Category	Clearing / Cleaning	Clearing / Cleaning	Clearing / Cleaning	Clearing / Cleaning	Clearing / Cleaning	Clearing / Cleaning	Clearing / Cleaning	Inspection	Inspection	Inspection	Repair	Repair	Repair	Repair	Repair	Total
Activity Description	Road Storm Catchbasin Flood Control / Clearing	Storm Catchbasin Cleaning/ Clearing	Storm Catchbasin Rear Yard Cleaning/ Clearing	Storm Lateral Cleaning/ Clearing	Storm Maintenance Hole Cleaning	Storm Lateral Flushing	Storm Main Flushing	Storm Catchbasin Inspection	Storm Lateral CCTV Inspection	Storm Maintenance Hole Inspection	Storm Catchbasin Repair	Storm Lateral Clean Out Repair	Storm Lateral Repair/ Replace	Storm Main Repair	Storm Maintenance Hole Repair/ Replace	Total
January					2											2
February	1			1							1				3	6
March																0
April		3									3			1		7
May		9						1			5			1		16
June			1							1	1	1		1	1	6
July											1		1	1	1	4
August		4						1			2					7
September		3						1					2			6
October	1	2						1	1							5
November		2				1	1				1		1			6
December		1		1												1
Total	2	24	1	1	2	1	1	4	1	1	14	1	4	4	5	66

4.5 System Alterations

Table 4-2 summarizes alterations made to the stormwater management system in 2025.

Each proposed alteration to the system is reviewed to identify whether the changes will create any significant drinking water threats. City staff follow Procedure OM-ALL-WWW-P-042, "Drinking Water Source Protection", when reviewing potential risks to drinking water. Risk mitigation strategies are then developed as appropriate.

Table 4-2: Stormwater Collection System Alterations – Completed in 2025

Project Name	Project Description	File Year
Capital - ENG2022-303 First Street, Phases I & II	<p>Phase I Infrastructure renewal of the existing sanitary sewer and installation of new storm sewer on First Street, between Plymouth Road and Dover Road.</p> <p>Phase II Infrastructure renewal of the existing sanitary sewer on First Street, between King Street and Plymouth Road.</p>	2025

4.6 Spills or Abnormal Discharges

There were no spills into the stormwater management system in 2025.

5 ACTIVITIES TO IMPROVE OR CORRECT PERFORMANCE

The City completes a variety of activities to improve or correct the performance of the stormwater management system. These are funded through both the operating and capital budgets.

5.1 Operating Budget

The City's Stormwater Operating Budget funds routine maintenance of the stormwater management system, including catchbasin cleaning and inspection, storm line flushing, and minor infrastructure repairs.

5.2 Capital Budget

Activities funded through the capital budget are listed in Table 5-1. The City is planning to spend approximately \$4.1M in 2026 on projects to improve or correct the performance of the stormwater management system.

Table 5-1: Planned Capital Projects

Project Description	2026 Capital Budget (stormwater funding)
Ontario Road Trunk Sanitary Sewer Phase II - Construction	\$377,315
Storm Sewer Model Update	\$25,000
CCTV Program – Stormwater Gravity Sewers	\$300,000
Rice Road Urbanization	\$500,000
Sanitary & Storm Sewer Lining and Spot Repairs	\$500,000
Lyons Avenue Infrastructure Renewals	\$383,900
Elizabeth Street Infrastructure Renewals	\$76,000
2026 Road Reconstruction	\$654,000
2026 Infrastructure Renewals 1	\$278,900
2026 Infrastructure Renewals 2	\$387,000
2026 Road Resurfacing	\$90,000
Ditch Maintenance and Culvert Replacement	\$500,000
Total	\$4,072,115

6 2026 STORMWATER MANAGEMENT SYSTEM PRIORITIES

In 2026, the City's stormwater management priorities will include:

- Updating and renewal of the Stormwater Management System CLI-ECA #076-S701;
- Continued implementation and improvement of Stormwater Operations & Maintenance procedures;
- Installation of public signage at stormwater management facilities;
- Development of a storm sewershed inventory, including classification of the level of treatment received prior to discharge;
- Implementation of stormwater system priorities as outlined in the 2026 Capital Budget.