Newmarket

2025
Annual Performance Report

Town of Newmarket
Stormwater Management System

Environmental Compliance Approval (ECA) No. 124-S701

Prepared by: Climate, Environment and Sustainability Business Unit

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ECA No.: 124-S701, Issue No. 1

System Owner: Corporation of the Town of Newmarket

System Name: Town of Newmarket Stormwater Management System

Reporting Period: January 1st to December 31st, 2025

Submitted To: Director, Ministry of the Environment, Conservation and Parks (MECP)

Report Date: April 30, 2025

Executive Summary

The Town of Newmarket's municipal stormwater management (SWM) system consists of 241 km of storm sewers, 37 wet ponds, 22 dry ponds, 4 superpipe storage facilities and 19 low impact development (LID) sites. The Town's municipal SWM system controls runoff to reduce flooding and erosion risks, protecting people and property. It also helps safeguard the natural environment by improving water quality before the water flows into nearby streams and rivers.

Newmarket's SWM system is operated in conformance with the Province's Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) program. The CLI-ECA is issued to the Town under the Environmental Protection Act to fulfil requirements in section 53 of the Ontario Water Resources Act. Ontario's CLI-ECA program for stormwater infrastructure provides a consistent set of conditions for all municipalities to alter, operate, and maintain their municipal SWM systems. Participation in the program is mandatory.

The Town of Newmarket's CLI-ECA, issued August 1st, 2023, defines the terms and conditions of operation within Newmarket's municipal SWM system. In accordance with the CLI-ECA agreement, the Town is required to prepare an annual performance report for the period of January 1st to December 31st of the preceding year. The report is to be provided to the Ministry of Environment, Conservation and Parks (MECP) and be made available to the public.

The 2025 Annual Performance Report represents the Town's second Annual Report and summarizes the work undertaken as part of the CLI-ECA program between January 1st to December 31st, 2025. Furthermore, the Annual Report helps to identify and create baseline information to assist with ongoing monitoring, reporting and continual improvement of the system performance.

There were no inspections by the MECP during this reporting period.

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2025 Stormwater Annual Performance Report

In accordance with the CLI-ECA, the Town of Newmarket as Owner of the municipal stormwater management system, shall prepare and submit a performance report to the MECP on an annual basis.

The CLI-ECA requires the Annual Performance Report to contain:

i) Summary of all monitoring data along with an interpretation of the data and an overview of the condition and operational performance of the Authorized System and any Adverse Effects on the Natural Environment.

ii) Summary and interpretation of environmental trends based on all monitoring information and data for the previous 5 years.

iii) Summary of operating problems encountered, and corrective actions taken.

iv) Summary of all inspections, maintenance, and repairs carried out on any major structure, equipment, apparatus, mechanism, or thing forming part of the Authorized System.

v) Summary of calibration and maintenance carried out on all monitoring equipment.

vi) Summary of any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints.

vii) Summary of all Alterations to the Authorized System within the reporting period that are authorized by this Approval including a list of Alterations that pose a Significant Drinking Water Threat.

viii) Summary of all spills or abnormal discharge events.

ix) Summary of actions taken, including timelines, to improve or correct performance of any aspect of the Authorized System.

x) Summary of the status of actions for the previous reporting year.

For the purpose of the Town's CLI-ECA and this report, an Alteration is defined as an extension of the system, a replacement or retirement of part of the system, or a modification of, addition to, or enlargement of the system. It does not include repairs to the system.

Introduction

The Town's municipal stormwater management (SWM) system is a core municipal asset that helps to manage runoff, minimize flood risk and erosion, and protects the natural environment. The Town is committed to providing safe and effective management of stormwater runoff while maintaining, and where possible, improving ecosystem health.

The Town is responsible for managing stormwater infrastructure within municipally owned lands, or where there is an easement, or other instrument in three main ways:

1. The planning, design, and approval of municipal stormwater infrastructure.
2. Routine maintenance over the life of the stormwater infrastructure.
3. Renewal and replacement of infrastructure at life cycle milestones.

This Report is prepared to satisfy the reporting requirements by the Ministry of the Environment, Conservation and Parks (MECP) as related to municipal SWM systems.

The Town's CLI-ECA requires the submission of an annual performance report and documentation of the operation of the municipal SWM system. The CLI-ECA also provides benefits and efficiencies to the Town, such as pre-authorizations for minor modifications, expansions, and alterations to the system. The following report was generated from records maintained by the Town of Newmarket from January 1st to December 31st, 2025.

Description of the SWM System

The municipal SWM system is owned and operated by the Town of Newmarket. The municipal SWM system includes 82 assumed SWM features, including:

- 37 wet ponds
- 22 dry ponds
- 4 superpipe storage facilities; and
- 19 Low Impact Development (LID) sites

The municipal SWM system also contains all other controls and appurtenances that are essential for the operation of the works.

(a) Summary and Interpretation of Monitoring Data

As per the Town's CLI-ECA, the monitoring plan will be in place on or before December 31, 2026, or within 36 months from the date of the publication of the MECP's SWM Monitoring Guidance Document, whichever is later. At the time of this annual report, the MECP has not published their SWM Monitoring Guidance Document.

While there is no formal environmental impact monitoring plan in place yet, the Town operates programs to maintain continued operational performance of the SWM system, such as inspection programs, pond cleanouts, LID maintenance, etc.

In 2025, the Lake Simcoe Region Conservation Authority (LSRCA), delivered Stormwater Inspection and Maintenance Prioritization services for the Town of Newmarket to assist in meeting the requirements of the CLI-ECA.

Through this project, 76 stormwater features were inspected, including one wet pond, one superpipe and three LIDs that were inspected for the first time in 2025. These features were not included in the 2024 inspections due to assumption status and discovery by the Town. There were five ponds that were not inspected in 2025 due to construction.

In addition, this work included CCTV inspection of the Magna Centre LID feature, hydraulic monitoring of 12 facilities, and sediment accumulation surveys of five ponds.

Hydraulic assessments are used to evaluate several key functions of stormwater facilities, including inlet/outlet function and evidence of clogging or leaking, drawdown time after a precipitation event, and normal water level (NWL) (the normal water level is the standard water depth the facility is designed to drain to within 24 to 48 hours of precipitation or snowmelt events).

The hydraulic assessments use pressure sensors to monitor water levels. The recorded data is compared to the original construction details to confirm the facility is functioning as designed. These pressure sensors continue to be rotated in subsequent years with the intent of conducting hydraulic monitoring on each of the wet facilities once every three years. Table 1 and Table 2 summarize the results of the hydraulic monitoring of the 12 facilities, consisting of eight wet ponds and four superpipes.

Table 1. Wet Ponds: Hydraulic Monitoring Results (2025)

No Issue Evident	Not Draining to Design NWL*	Draining Below Design NWL*
One wet pond	Four wet ponds	Three wet ponds

Table 2. Superpipes: Hydraulic Monitoring Results (2025)

No Issue Evident	Not Draining to Design NWL*	Draining Below Design NWL*
Four superpipes	n/a	n/a

* If the drawdown time to NWL was greater than the designed 24 to 48 hours, the hydraulic function rating for the facility was increased one level. (e.g. if the NWL was within 0.1m of design, but the drawdown time was greater than the 24-hour design time, the pond was assigned a minor rating rather than good.

Minor hydraulic issues were identified at three ponds. One pond had a partially clogged outlet. Another pond was observed with a water level approximately 13 cm above the design NWL. Although the pond drains effectively after major storms, it requires approximately 12 hours or less to drain following smaller events. Monitoring data from the third pond suggests the top of the spillway may be about 10 cm lower than its design elevation. This will be verified through a survey in 2026, along with soil hydraulic conductivity testing.

In addition, one pond was found to have moderate hydraulic issue. Inspection of the Hickenbottom outlet structure revealed the lower orifices of the vertical pipe were clogged, and vegetation debris had accumulated around the gravel skirt.

Lastly, there were four ponds that showed notable hydraulic issues. At one pond, inspection confirmed a blockage within the outlet structure. However, elevated water levels appear to be primarily caused by a tailwater effect in the receiving watercourse, both conditions are associated with beaver activity. A second pond also showed evidence of a downstream blockage creating a tailwater effect that is preventing proper drainage, in combination with partial outlet obstructions. The Town has prioritized dam removal at this location. Addressing the beaver activity and clearing the downstream blockage is expected to restore proper pond function.

The third pond was observed to draw down approximately 20 cm below the design NWL at the forebay/aftbay separation berm. A detailed inspection of the outlet structure is planned to determine whether water is exiting the facility through an unintended flow path.

For the fourth pond, drawdown occurred very rapidly, indicating limited stormwater treatment prior to discharge to the receiving watercourse. Rehabilitation of the outlet structure is planned during the 2027 cleanout program to enhance stormwater control and water quality performance.

For all four superpipes, inspections confirmed good inflow, with no signs of blockages or operational concerns. The hydrographs also demonstrated consistent drawdown, indicating that the outlets are functioning properly without evidence of leaks or obstructions. Based on the data collected and analyzed, no adverse effects on the natural environment were identified. Staff remain committed to ongoing monitoring, continuous improvement, and optimization of these systems.

(b) Interpretation of Environmental Trends

As per the Town's CLI-ECA, a summary of interpretation of environmental trends is required based on all monitoring information and data for the previous five years. This section is currently a placeholder for future years once the monitoring program has been initiated.

(c) Operating Problems and Corrective Actions

Table 3 provides a summary of operating problems encountered during the reporting period requiring corrective action for the system to function as designed.

Table 3. Operating Problems and Corrective Actions (2025)

Location	Operating Problem	Corrective Action
Pond 95 – Ford Wilson Wet Pond	Beaver dam restricting flow in SWM Pond	Manual removal of beaver dam material using hand tools to control the release of water.
Pond 98 – Bogartown Curve Wet Pond	Beaver dam restricting flow out of SWM Pond	Staged removal of beaver dam using an excavator with a bucket and integrated thumb.
Pond 228 – Waratah Ave. Dry Pond	Flooding issues in the Wayne Drive and Waratah Avenue area	Project is currently ongoing and involves installing a berm around the Waratah Avenue channel outlet (ditch inlet to storm sewer structure) and construct an improved inlet with trash deflection.
Patterson St. Concrete Outfall Asset ID # IO214	Emergency Outfall Headwall Repair	The existing headwall started to show signs of structural failure and required immediate replacement. The Town hired a consultant to design and oversee the construction for the replacement of the concrete winged headwall to bring the SWM feature back to its intended function.
Lockwood Circle Inlet Asset ID # IO0306	Culvert Drainage Issue	The Town's Water Dept. conducted CCTV inspection and identified a blockage at the inlet. The Town's Roads Dept. subsequently cleared the inlet.
Pond 43 - Main St. N. Wet Pond	Sediment Accumulation in SWMP	Town staff have confirmed that this pond is a priority for cleanout and is scheduled to be addressed in the near future.
Pond 71 - Colter St. Wet Pond	Algae and Leaf Litter Buildup in SWMP	A resident reported concerns about algae growth and leaf litter accumulation in the SWMP. Town staff are monitoring the situation.

Minor deficiencies completed during the reporting period are covered in Section (d). This includes clearing of obstructed stormwater management structures blocked by trash, debris, sediment, overgrown vegetation, etc.

(d) Inspection, Maintenance, and Repairs

In 2024 the Town developed an Operations and Maintenance (O&M) Manual as required by the CLI-ECA. The O&M manual provides a structured framework for the ongoing inspection, maintenance, and repair activities of the Authorized System. It is intended for use by Town staff responsible for completing stormwater O&M activities, including contractors and any third-party service providers.

For this reporting period, all inspections, maintenance, and repairs carried out on any major structure, equipment, apparatus, mechanism, or thing forming part of the Authorized System were performed by trained Town staff or performed on behalf of the Town by a qualified contracted service who exercises due diligence in ensuring the works within the Authorized System are properly operated and maintained.

The implementation of routine inspection programs is critical in identifying damage or concerns within existing stormwater infrastructure, allowing for the timely repair and maintenance prior to the escalation of these problems. Table 4 outlines the general inspection work that takes place throughout the year.

Table 4. Inspection Programs

SWM Feature	Components Inspected	Frequency
SWM Ponds	• Structure condition • Erosion • Visible pollution • Vegetation condition • Graffiti • Algae blooms • Invasive species	Annually
Superpipes	• Structure condition • Sediment depth • Debris accumulation	As needed
Underground Stormwater Detention Facilities	• Structure condition • Erosion • Sediment depth • Debris accumulation	Annually (debris accumulation and outlet erosion) Every 5 years (sediment/condition)
Oil Grit Separators	• Structure condition • Sediment depth • Oil depth • Presence of floatable	Annually
Permeable Pavers	• Surface ponding • Vegetation condition • Sediment buildup	Annually
Rain Gardens	• Structure condition • Planning condition • Weeds/Invasives Plants • Surface ponding	Annually

Bioswales	• Structure condition • Erosion • Surface ponding • Vegetation Condition • Obstructions • Visible pollution	Annually
Catch basins	• Structure condition • Sediment depth • Debris accumulation	4-year rotation and after major rainfall events
Storm Sewers	• Structure condition • Sediment depth • Debris accumulation	As needed
Maintenance Holes	• Structure condition • Sediment depth • Debris accumulation	As needed
Driveway Culverts	• Structure condition • Sediment depth • Debris accumulation	As needed
Outlets	• Structure condition • Debris accumulation	As needed and at certain locations before major rainfall events

In 2025, the LSRCA delivered stormwater inspection services for 76 stormwater features, including one wet pond, one superpipe and three LIDs that were inspected for the first time in 2025. As-well as CCTV inspection of the Magna Centre LID feature.

A prioritized maintenance list based on the inspection findings was developed utilizing LSRCA's Stormwater Maintenance Prioritization Tool. The list considered condition, maintenance needs, and prioritization as a basis for subsequent maintenance phases. Where invasive species were identified, the type of invasive species, and status compared to previous years was recorded to aid in future maintenance activities.

Ongoing maintenance and repair of the Town's existing stormwater system is essential in ensuring these assets are functioning as intended, providing effective water quality and quantity control meeting regulatory requirements, and safeguarding the public. The implementation of a maintenance and repair program helps avoid unexpected repair or replacement costs, allowing for the lifespan of the system to be prolonged and minimizing the number of disruptions to the public.

The need for maintenance and repair of stormwater infrastructure within the Town is identified through inspection results or in response to complaints received by residents. Minor repairs or maintenance is completed by the Water/Wastewater, Operations, Parks, or Forestry Department(s) as applicable, otherwise, substantial repairs are deferred to the Town's Capital Delivery – Infrastructure group. Table 5 summarizes the general maintenance and repair work that takes place throughout the year.

Table 5. Maintenance Programs

SWM Feature	Description of Work
SWM Pond Sediment Cleanout	Dewatering, sediment removal and disposal, regrading, and restoration
SWM Pond Infrastructure Maintenance	Unclogging of inlets/outlets, debris removal, vegetation removal, etc.
Superpipe	Flushing of accumulated sediment/debris and repair of minor cracks
Underground Stormwater Detention Facilities	Sedimental removal in tank and removal of debris and sediment accumulated in sump
Waste Removal from Manufactured Treatment Devices	Vac truck to remove sediment, oil, and debris captured in unit
Permeable Pavers	Removal of debris and sediment along surface, vegetation maintenance, etc.
Rain Gardens	Replacement of dead/dying plants, re-mulching, and removal of weeds/invasive plants
Bioswales	Sediment removal, unclogging of inlets and outlets, etc.
Catch basins	Unclogging of grates, removal of debris and sediment
Storm Sewers	Flushing of sediment and repair of minor cracks
Maintenance Holes	Removal of debris and sediment accumulated in sump, adjustment of collar and lid as needed
Driveway Culverts	Flushing of sediment and debris, and standard replacement of damaged culverts up to 8-metres
Outlets	Removal of accumulated debris
Invasive Species Removal	Removal and management of invasive vegetation, e.g., phragmites
Wildlife Removal and Control	Control of beavers, goldfish, etc.

(e) Calibration and Maintenance of Monitoring Equipment

This section is currently a placeholder for future years.

(f) Complaints

The CLI-ECA requires that the Town maintains a record of all stormwater-related complaints and the remedial actions taken to resolve them. Town staff make every effort to respond to residents in a timely manner.

All public complaints, including those related to stormwater infrastructure, are received and actively managed by the Town's Customer Service Department. All complaints received are entered into the Town's Customer Relationship Management (CRM) software, which generates a ticket to formally document the complaint and assign a priority level (from level 1 to level 4) for addressing the concern.

Depending on the nature of the complaint, the ticket is then assigned to the designated department with sufficient authority and capacity to address the scope of the complaint. The assigned department is responsible for reporting back to the Customer Service Department through the CRM system once the complaint has been addressed. Customer

Service staff are responsible for following up with the resident who initially issued the complaint. All work completed as part of this CRM system is tracked through the tickets and are recorded under various subtypes for analysis and reporting.

In 2025, there were 61 complaints regarding the Town's SWM system. In some instances, there were multiple complaints for the same issue. Table 6 summarizes the complaints received during this reporting period.

Table 6. Summary of Complaints (2025)

Type of Complaint	Description	Corrective Actions	Number of Complaints
SWM Infrastructure Concerns	Issues related to the condition and maintenance, including structural/operational problems, sediment build-up, vegetation overgrowth, and debris buildup of culverts and ditches.	Conduct inspections, perform repairs, remove sediment, manage vegetation, and clear debris. If tasks cannot be handled internally, work (ex. pond cleanout) is contracted out.	4
SWM Pond Concerns	Issues related to the condition and maintenance, including structural/operational problems, sediment build-up, vegetation overgrowth, and debris buildup.	Conduct inspections, perform repairs, remove sediment, manage vegetation, and clear debris. If tasks cannot be handled internally, work (ex. pond cleanout) is contracted out.	8
Catch basin Issues	Concerns about catch basins, including clogging, structural damage, odour, poor drainage, and spills.	Clear blockages, repair/replace damaged catch basins, patch-up sinking/erosion issues, fix drainage problems, and cleanup spills.	46
Wildlife-Related Concerns	Complaints related to wildlife activity, particularly beavers causing obstructions or damming of water flow.	Forestry is notified of the issue. Active beaver sites are regularly monitored, and portions of dams are strategically dismantled to ensure proper water flow.	3

The most common complaints Town staff received related to the SWM system were:

- Clogged catch basins
- Spills in catch basins
- Other catch basin issues (garbage, damage, smell, poor drainage, etc.)

All resident complaints were promptly addressed and investigated by Town staff. Persistent issues are addressed through additional investigation, maintenance or repairs of infrastructure, or operational adjustments. During heavy rain events, the Town may receive calls from residents who have issues with an increase in stormwater from neighbouring properties or basement flooding from lot drainage or sanitary connections.

These issues were not included in this report because they are related to private property and not Town SWM infrastructure.

(g) Alterations to the Authorized System

As part of the CLI-ECA, the Town is responsible for ensuring the conditions and minimum design requirements, as determined by the Province, are met for all Alterations of the Town's SWM system and any Alteration that poses a Significant Drinking Water Threat (SDWT) is properly identified and mitigated. Table 7 provides a summary of all Alterations to the Town's SWM system during the reporting period authorized by the CLI-ECA.

Table 7. Proposed Alterations Assessment (2025)

Project Name	Proposed Alteration	Threat Subcategory	SDWT	Status
Millard/Church/Elm Road Reconstruction	Storm and sanitary sewer installation	Sewage System or Sewage Works	No	Construction ongoing
Mulock Park	Storm and sanitary sewer installation	Storm and sanitary sewer installation	No	Construction ongoing
Ray Twinney Recreation Complex Rain Gardens	Three LIDs (rain gardens)	Sewage System or Sewage Works	No	Construction Completed
Bennington Tennis Courts	Storm and sanitary sewer installation	Storm and sanitary sewer installation	No	Construction ongoing
P3 Parking Lot (170 Doug Duncan)	Storm sewer, sedimentation MTD, enhanced swale, and permeable pavement	Storm and sanitary sewer installation Sewage System or Sewage Works	No	Construction ongoing

As per the above table, no proposed alterations by the Town posed a SDWT for this reporting period.

(h) Spills and Discharges

The SWM system had 9 spill events in 2025. All spills were reported to the Spills Action Centre (SAC) as required either by the responsible party or by Town staff. Table 8 provides a summary of each spill event that occurred in the SWM system during the reporting period including the date of occurrence, location, the cause of spill, and the corrective action.

Table 8. Summary of Spills and Discharge Events (2025)

Date	Spill/Discharge Event	Description	Corrective Action
February 7	Fairy Lake (SWM Pond)	Unknown product spill.	Water/Wastewater Dept. installed booms and pads and Contractor sent crews to clean up. Spill Action Centre notified. Town and Ministry of Natural Resources determining cause.

March 25	Pine Street (Catch basin)	Cement dumped in catch basin during work on property.	Water Dept. inspected and saw no sign of spill.
June 10	Davis Drive (Sanitary and storm cross-connection)	Sanitary line discharging to storm sewer	Cross-connection issue was resolved and no contamination was found.
July 14	Davis Drive (Catch basin)	Dumping in catch basin.	Bylaws inspected and saw no sign of spill.
July 28	Watson Avenue/Lundy's Lane (Catch basin)	Construction wastewater dumped in catch basin.	Engineering Dept. communicated to developer that discharge to Town storm system is not permitted.
July 31	Orsi Drive (Catch basin)	Construction debris dumped in catch basin.	Bylaws attended site and communicated to construction team that discharge to Town storm system is not permitted.
August 14	Beman Drive (Catch basin)	Construction debris dumped in catch basin.	Roads Dept. investigated and did not find debris in catch basin.
October 1	Pickering Crescent (Catch basin)	Potential spill in catch basins.	Bylaws investigated and did not find evidence of spill.
October 15	Alfed Smith Way (Catch Basin)	Water coming out of catch basin.	Water Dept. investigated and found a pool was being emptied.

Notification of spills are typically received through public complaints or discovered by Town staff while in the field. Should notification of a spill be reported to the Customer Service Department, a ticket is generated and sent to the appropriate department to have the incident site investigated immediately.

First response staff are responsible for observing the field conditions of the incident site to validate the information provided in the spill notification. Following confirmation of the spill, the spill is reported to the SAC immediately.

First response staff will report to the Operator-In-Charge (OIC), who will act as a central point of contact for managing all aspects related to the spill response (i.e., assigning tasks, maintain regular communication, on-going progress of clean-up activities, etc.).

(i) System Performance Improvements

Stormwater performance improvements from capital and operating projects for the Town's SWM system during the reporting period are summarized below.

1. LSRCA Inspection, Maintenance, and Prioritization Services

In 2025, the LSRCA delivered Stormwater Inspection and Maintenance Prioritization services for the Town to assist in meeting the requirements of the CLI-ECA.

Through this project, 76 stormwater features were inspected, including CCTV inspection of the Magna Centre LID feature, hydraulic monitoring of 12 facilities, and sediment accumulation surveys on five ponds.

A prioritized maintenance list based on the inspection findings was developed utilizing LSRCA's Stormwater Maintenance Prioritization Tool. The list considered condition, maintenance needs, and prioritization as a basis for subsequent maintenance phases. It also included recommendations for future investigations and testing, maintenance and rehabilitation activities, and specific plans for 2026.

2. Pond Cleanout Prioritization List

A cleanout and repair plan has been developed out until the year 2033 based on the bathymetric survey report (2021) prepared by Wood Environmental Consulting, the dry pond capacity and retrofit study (2024) by Resilient Consulting, and internal sediment accumulation modelling. This plan is being used to prioritize sediment cleanouts and repair work for the Town's wet and dry ponds.

3. Pond 69 and 98 Cleanouts

This capital project included the sediment removal at two wet ponds. Removing the accumulated sediment reduces environmental impacts downstream and restores the treatment efficiency and storage capacity back to their intended design, enhancing their longevity and performance.

4. Ray Twinney LID Phase 2

The project involved completing the second phase of the LID plan for the Ray Twinney Recreation Complex with the intent to address stormwater management quantity and quality concerns. The second phase included the construction of the main entrance rooftop runoff treatment and rain gardens.

5. Routine Maintenance

Routine activities were completed to continue to improve function and performance of the Town's SWM system. Some of these routine maintenance activities include manufactured treatment device sediment and oil removal, outlet maintenance, and wildlife management.

(j) Previous Reporting Year Update

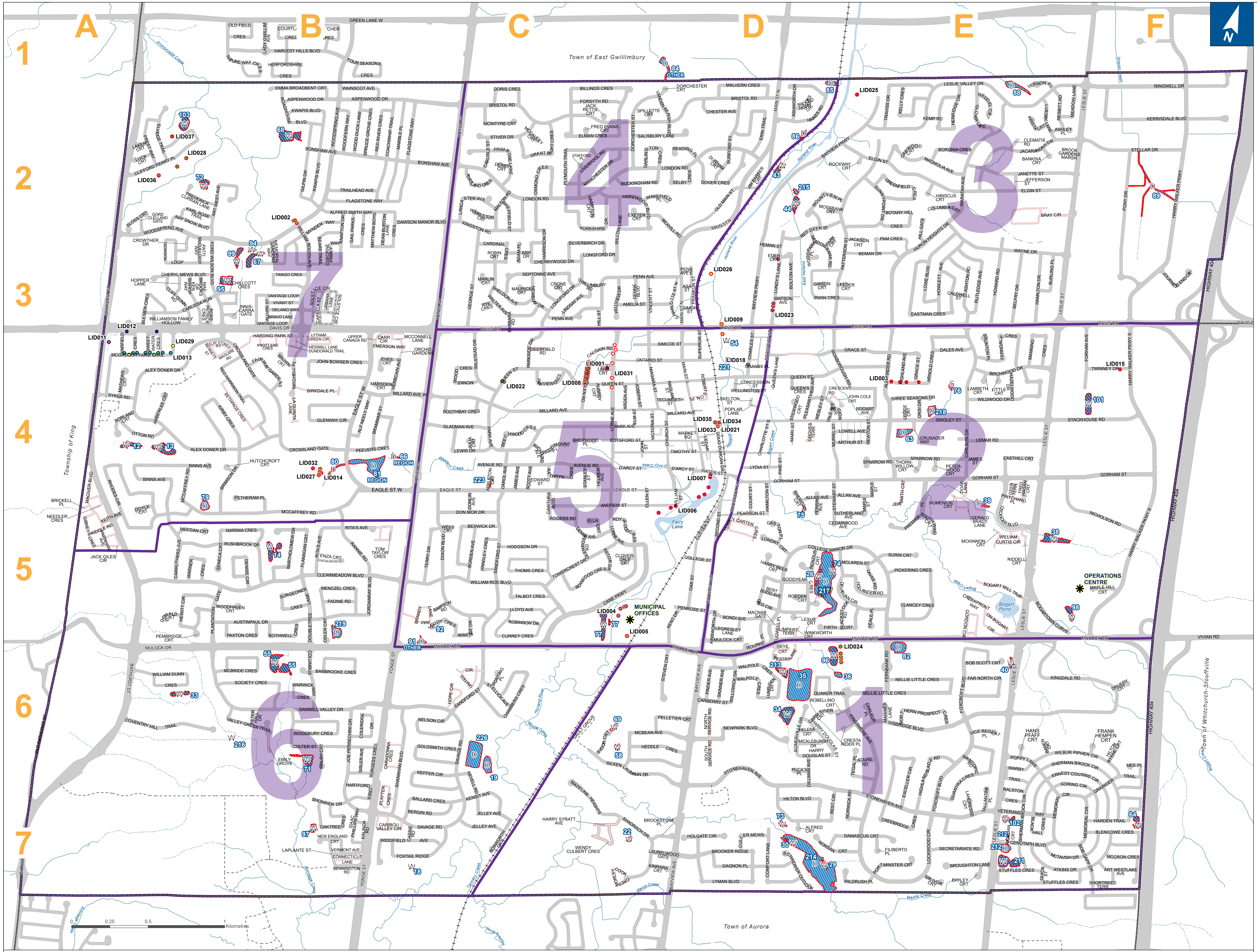
This section provides a summary of the status of action items from the previous reporting year. The 2024 Annual Performance Report identified two minor quality ponds that were affected by elevated water levels in the receiving watercourse. One of these ponds is scheduled for cleanout in 2026, at which time the hydraulic issues for both ponds will be addressed.

In addition, one pond appeared to be influenced by a beaver dam in the receiving watercourse, which caused high water levels and prevented proper drainage. Since then, ongoing manual removal of the beaver dam has been undertaken until a full pond cleanout can be completed in the near future.

Lastly, another pond was observed to drain below its designed Normal Water Level (NWL). Hydraulic monitoring continued through 2025 to further assess this condition. The additional monitoring showed an average drawdown of approximately 20 cm below the design NWL at the forebay/aftbay separation berm. A detailed inspection of the outlet structure is planned to determine whether water is leaving the facility through an unintended flow path.

The 2026 Annual Performance Report will include an update on the status of all action items identified in this report.

Appendix A



LID Location

LID	Street Map Grid
● LID001	C3
● LID002	B2
● LID003	E4
● LID004	C5
● LID005	C5
● LID006	D4
● LID007	D4
● LID008	C3,C4
● LID009	D3
● LID011	A3
● LID012	A3
● LID013	A3
● LID014	B4
● LID015	F3
● LID018	D3
● LID021	D4
● LID022	C4
● LID023	D3
● LID024	D6, E6
● LID025	E1
● LID026	D3
● LID027	B4
● LID028	A2
● LID029	A3
○ LID031	C3
● LID032	B4
● LID033	D4
● LID034	D4
● LID035	D4
● LID036	A2
● LID037	A2

SWMF Location

SWMF ID	Street Map Grid
12	A4
14	B5
18	B7
19	C6
22	C7
26	D5
29	D7
30	D7
33	A6
34	D6
35	D6
36	D6
38	E5
39	E4
40	E6
43	D2
44	D2
54	D3
55	B6
58	C6
63	E4
64	F7
66	B4
67	B3
68	B2
69	C6
71	B6
72	B2
73	D7
74	D5
75	D4
76	E4
77	C5
79	B4
80	B4
81	B4
82	E5
84	D1
85	D1
86	D2
88	E1
89	F2
91	C5
92	C5
94	B3
95	B3
96	D6
97	B7
98	F5
99	B3
101	F4
102	E7
103	A2
211	E7
212	E7
212	E7
213	D6
214	D7
215	D2
216	B6
217	D5
218	E4
219	B5
221	D3
223	C4
226	C6

SWM Facility Maintained by Town

- W Wet Pond - Town Maintained (38)
- D Dry Pond - Town Maintained (23)
- S Superpipe - Town Maintained (4)
- ▨ Other - Town Maintained (2)
- ● Low Impact Development - Maintained By Town (colour based on ID)

Ward Boundary
Municipal Boundary
Road
Private Road
Future Road
Railway

Watercourse
Watercourse - Intermittent
Watercourse - Virtual Segment
Waterbody

Low Impact Development & Stormwater Management Facility Locations
The Town of Newmarket

Designed & produced by Information Technology - DAGS.
Updated: February, 2026.

Sources: Roads, Railway, Municipal Boundaries, Water Features - Data, Analytics & Visualization Services Branch, Corporate Services © The Regional Municipality of York, 2026; All other data - Town of Newmarket, 2026.

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Newmarket

Street Name (P) = Private Street	***Street Map Grid***
A	
Adam Place	C3
Ainsworth Drive	D5
Alex Doner Drive	A3, B3, A4, B4
Alexander Road	E3, E4
Alf Neely Way	B4
Alfred Court	D7
Alfred Smith Way	B2
Allan Avenue	D4, E4
Allure Street	B3
Amberlee Court	A4
Amelia Street	C3,D3
Andrew Street	C4, D4
Appleton Court	C4
Arden Avenue	C4
Armitage Drive	C5
Arnold Crescent	E3, E4
Art West Avenue	B2
Art Westlake Avenue	F7
Arthur Street	D4, E4
Asa Street	D3
Ash Drive	C3
Ashley Place	F2
Ashton Road	E3
Ashworth Drive	D1, D2
Aspenwood Drive	B1, C1
Astor Drive	C5
Ataire Road	E6
Atkins Drive	E7, F7
Aubrey Court	C4
Austinpaul Drive	B5
Avenue Road	C4
B	
Bahen Court	E6
Ballard Crescent	B7, C7
Banbrooke Crescent	B6
Banksia Court	E2
Barbara Road	C3
Bartholomew Drive	B5
Bathurst Street	A1, A2, A3, A4, A5, A6, A7
Bayley Court	E7
Bayview Avenue	D5, D6, D7
Bayview Parkway	E1, E2, D2, D3
Beare Trail	B3, B4
Beechwood Crescent	C4
Belfry Drive	E3
Beman Drive	E3
Bennett Street	B3
Bennington Road	B7
Bergin Road	B7, C7
Bert Budd Avenue	D5
Best Circle	D7
Beswick Drive	C5
Bethpage Crescent	B4
Bexhill Road	D2
Billings Crescent	C1, C2
Binns Avenue	A4
Birchwood Drive	E3
Birkdale Place (P)	B4
Blackhall Crescent	E7
Blackstock Road	E5
Blencowe Crescent	F7
Bob Gapp Drive	F7
Bob Scott Court	E6
Bogart Avenue	E4
Bogartown Curve	E5
Bogart Mill Trail (P)	E5
Bolton Avenue	D3
Bondi Avenue	D5
Bonshaw Avenue	B2, C2
Boothbay Crescent	C4
Borden Avenue	C5
Borland Court	A4
Boronia Crescent	E2
Bosworth Court	C7
Botany Hill Crescent	E2
Bothwell Crescent	B5
Botsford Street	C4, D4
Brammar Street	B4
Brandy Lane Way (P)	B5, C5
Bravo Lane	B3
Bray Circle (P)	E2, F2
Brickell Place (P)	A4
Brimson Drive	B4
Bristol Road	C1, D1, C2, D2
Brook Gardens Marsh	F2
Brooker Ridge	D7
Brooks Howard Court	D1
Brookstone Place	D7
Broughton Lane	E7
Brown Court	B3
Brunton Place	E3
Buckingham Road	C2, D2
Bulmer Crescent	A3
Burford Street	D1, D2
Burgess Crescent	B6
Burling Place	E3
C	
Caldwell Street	E3
Calgain Road (P partial)	C3
Cane Parkway	C5, D5
Capella Street	B3
Caradonna Crescent (P)	B6
Carberry Street	D6
Cardinal Crescent	C3
Caribou Valley Circle (P)	B7, C7
Carlisle Street	C2
Carlissa Run	A3, B3
Carlson Drive	E3, E4
Carm Shier Court	D6
Carol Avenue	C4
Carr Circle (P)	B3
Carruthers Avenue	A5
Cassie Road	B7
Cawthra Boulevard	C4, C5
Cedar Street	D4
Cedarwood Avenue	E5
Cenotaph Boulevard	E7
Chaleur Place	E6
Chambers Crescent	C6
Charles Street	D3
Charlotte Street North	D3
Charlotte Street South	D4
Cherrywood Drive	C3
Cheryl Mews Boulevard	A3, B3
Chester Avenue	D2
Chillcott Crescent	B3
Church Street	D4
Clancey Crescent	E5
Clay Stones Street	B3
Clearmeadow Boulevard	A5, B5
Clematis Road	E2
Cliff Gunn Road	A3
Clifford Perry Place	A2
Cloverdale Court	C5
Coachwhip Trail	B2, C2
Cody Crescent	C5
Coleridge Drive	B6
College Manor Drive	D5, E5
College Street	D5
Colter Street	B6
Columbia Court	E2
Columbus Way	B6
Comfort Lane	D7
Concession Street	D4
Connecticut Lane	B7
Cotter Street	D5
Court Street	D4
Coventry Hill Trail	A6
Creebridge Crescent	E7
Creekfront Way (P)	E5
Crescent Road	D4
Cresta Rider Place	E6
Crone Court	C3
Crossland Gate	B3, B4
Crowder Boulevard	E4, E5
Crowther Drive	A2, A3
Crusader Way	E4
Culler Mews	D7
Currey Crescent	C5
D	
Dales Avenue	E3
Damascus Court	E7
D'Arcy Street	D4
Darlington Crescent	D2
Davis Drive	C3, D3, E3, F3
Davis Drive West	A3, B3, C3
Dawson Manor Boulevard	B2, C2
Dean Burton Lane	B2
Deerfield Road (P)	C3
Delano Way	B3
Denise Circle	B5
Denne Boulevard	D3
Dennie Avenue	C5
Derby Court	C2
Devanjan Circle	E5
Dillman Avenue	D6, D7
Dixon Boulevard	C4, C5
Doak Lane (P)	E4
Don Mor Drive	C5
Donald Court	A5
Donlin Aveune	C4
Dorchester Court	D1
Dorchester Street	D1, D2
Doris Crescent	C1
Doubletree Lane	B5
Doug Duncan Drive	D4
Dover Crescent	D2
Dowson Loop	A2, A3, B3
Doyle Court	A4
Druery Court	F6
Dundonald Trail (P)	B3
Durham Court	D2
Dutch Elliott Court	D5
E	
Eagle Street	C4, D4
Eagle Street West	B3, B4
East Hill Court	E4
Eastman Crescent	E3
Eden Court	D3
Edward Street	C4
Elgin Street	E2, F2
Ella Court	C5
Ellen Street	D4
Elm Street	D4
Elman Crescent	C2
Elvidge Trail	A2
Emerson Way (P)	B3
Emily Grove	B6
Emma Broadbent Court	B1
Enza Court	B5
Erin Trail	D2
Ernest Cousins Circle	E6, E7, F6, F7
Eves Court	B3
Exceller Circle	E6, E7
Exeter Court	D2
F	
Fadine Road	B5
Fairway Gardens	B3, B4
Far North Circle	E6
Fernbank Road	E6
Ferndale Crescent	E3
Filiberto Place	E7
Firth Court	D5, E5
Flagstone Way	B2, C2
Flanagan Court	B5
Ford Wilson Boulevard	B2, B3
Forest Glen Road	C4
Forhan Avenue	F3
Forsyth Road	C1
Foxcroft Boulevard	E6, E7
Foxtail Ridge	B7, C7
Frank Hempen Court	F6
Franklin Street	D3
(F Con'd)	
Fred Evans Court	C2
Fred Hagan Court	E4
Frederick Curran Lane	A2, B2
G	
Gagnon Place	D7
Gail Parks Cresent	B2
Gaston Place	D5
Gault Grove (future)	C6
Geer Terrace (P)	E4
George Street	C3
Gerald Brady Lane (P)	E4
Gibney Crescent (P)	A5
Gibson Court	D3
Gilpin Drive	B2
Gladman Avenue	C4
Glenrose Road	C5
Glenway Circle	B4
Glover Lane	E1, E2
Goldsmith Crescent	C6
Goodyear Crescent	D5
Gord Clelland Gate	A2
Gordon Circle	E5
Gorham Street	D4, E4, F4
Goring Circle	E7, F7
Grace Street	D3, E3
Grainger Crescent	F6, F7
Granby Place	D3
Grant Blight Crescent	C2
Greenfield Crescent	E2
Greig Circle	D5
Groves Terrace (P)	D4
Gwillimbury Road	D3
H	
Haines Road	D1, D2
Hamilton Drive	E3
Hamilton Street	D4
Hampton Court	C2
Handley Crescent	C5
Hans Pfaff Court	E6
Harden Trail	F7
Harding Park Street (P)	B3
Harewood Boulevard	C2, D2
Harrison Drive	C2, C3
Harry Beer Court	D5
Harry Douglas Street	D6
Harry Syratt Avenue (P)	C7
Harry Walker Parkway N	F1, F2, F3, F4
Harry Walker Parkway S	F4, F5
Hartford Cresent	B7
Hazelwood Drive	E4
Heddle Crescent	D6
Helena Court	D6
Helmer Street	C4
Heman Street	D3
Herbcain Avenue	B3, B4
Herridge Circle	E1, E2
Heswall Lane (P)	B3
Hewitt Circle (P)	A5
Hibiscus Court	E2
Highland Avenue	E3
Highland Blade Road	E6, E7
Highway 404	F1, F2, F3, F4, F5, F6, F7
Hill Gate	E2
Hill Street	C3
Hillview Drive	C3
Hilton Boulevard	D7
Hilton Byrne Court	F6
Hodgson Drive	C5
Holgate Circle	D7
Hollander Road	E5
Hope Circle (P)	C6
Hopper Lane	A3
Howard Road	E3
Howlett Avenue	E3
Humeniuk Court (P)	E4
Huron Heights Drive	E2, E3
Hutchcroft Court	B4
I	
Inniscarra Gate	B3
Irwin Crescent	D3
Isaac Phillips Way	B7
Ivsbridge Boulevard	E6, E7
J	
Jacarandah Drive	E2, F2
Jack Giles Circle (P)	A5
Jack Rettie Court	C2
Jackson Court	E2, E3
James Avenue	C4
James Street	E4
Janette Street	E2, F2
Jeff Smith Court (P)	E4
Jefferson Street	E2
Jelley Avenue	C7
Jim Barber Court	D2
Joe Persechini Drive	B6, B7
John Bowser Crescent	B3
John Cole Court (P)	D4
John Street	D4
Jordanray Boulevard	B5
Joseph Street	D4
Journey's End Circle	F3
Julia Court	C4
K	
Kalinda Road	B7
Karl Rose Trail	A2, B2
Kathryn Crescent	C4
Keffer Circle	C6, C7
Keith Avenue	A5
Kelly Crescent	E1, E2
Kemp Road	E2
Ken Bishop Way	A3
Kensit Avenue	C7
Kent Drive	D5
Kerrisdale Boulevard	F1, F2
Kingdale Road	E6, F6
Kingsmere Avenue	E6, E7
Kingston Road	C2
Kinrara Court	D7
Kirby Crescent	B4
Knapton Drive	B2, B3
Knott End Crescent (P)	B3
Krista Court	E2
Kwapis Boulevard	B1, B2
L	
La Quinta Lane	B4
Laker Court	A2
Lambeth Court	E4
Lancaster Avenue	C2
Landresse Court	E7
LaPlante Street	B7
Laurelwood Gate	D7
Lavas Road	E5
Leeder Court	D3, E3
Legge Court	E4
Legion Avenue	D4, E4
Legresley Lane	D5
Lemar Road	E4
Leslie Street	F1, F2, F3, F4, E5, E6, E7
Leslie Valley Drive	E1, E2, F1
Lewis Drive	C4
Lexus Court	D5
Limpert Terrace (P)	D5
Lindsay Avenue	C3
Little Court	E4
Liverpool Road	C2
Lloyd Avenue	C5
Lockwood Circle	E7
London Road	C2, D2
Londry Court	D5
Longford Drive	C3
Lorne Avenue	C3, C4, C5
Lowe Boulevard	E3
Lowell Avenue	E4
Luck Court	A2
Luesby Lane	E2
Lumsden Drive	D6
Lundy's Lane	D3
Lydia Street	D4
Lyman Boulevard	D7
Lytham Green Circle (P)	B3
M	
Macedonia Court	B6
Maciver Boulevard (P)	A4
MacNab Gate (P)	D5
Madeline Heights	C7
Mae Brooks Drive	A3, B3
Magnolia Avenue	E2
Maguire Road	B3
Main Street North	D1, D2, D3
Main Street North Bypass	D2
Main Street South	D3, D4
Malton Road	C2
Malvern Crescent	D1, D2, D3
Manchester Drive	C2
Manning Crescent	E3
Mantopic Road	E6
Maple Street	E4
Maple Hill Court	F5
Marble Place	B2
Mariner Lane	E6
Market Square	D4
Marlin Court	C3
Marsden Court	B4
Mary Street	D4
Matthew Boyd Cresent	B2
Mathews Court	A3, A4
Maurice Court	C3
McBean Avenue	D6
McBride Crescent	B6
McCaffrey Road	A4, B4, B5
McCauley Court	C2
McConnell Lane (P)	B3
McCron Crescent	F7
McGregor Farm Trail	A3
McIntyre Court	C2
McKinnon Court (P)	E5
McLaren Street	E5
McTavish Drive	E7, F7
Meadow Lane	F1, F2
Meadowbank Road	D3
Mee Place	F6, F7
Meegan Court	A5
Memorial Circle	F7
Memorial Gardens Way	B2, B3
Menczel Crescent	B5
Mickleburgh Drive	D6
Millard Avenue	C4, D4
Millard Avenue West	B4
Mitchell Place	B3, B4
Monkswood Crescent	C3, C4
Morley Cook Crescent (P)	C7
Mossbank Court	D2
Mountview Place	D2
Mulock Court	D5, D6
Mulock Drive	A5, B5, C5, D5, E5, F5
Muriel Street	D4
Mynden Way	B2, B3
N	
Narinia Crescent	B5
Needler Crescent (P)	A4
Nellie Little Crescent	E6
Nelson Circle	C6
Nesbitt Road	F1, F2
New England Court	B7
Newbury Drive	C3
Newpark Boulevard	D6
Newton Street	E4
Niagara Street	D3, D4
Nicholson Road	F4, F5
Norsan Court	D7, E7
North Service Road (P)	D6
Northern Prospect Crescent	E6
Norwick Road	E7
O	
Oak Street	D5
(O Con'd)	
Oaktree Cresent	B7
Oakwood Court	E2
Old Bathurst Street	A6, A7
Old Main Street	D2
On Bogart Circle (P)	E5
Ontario Street	D3
Orchid Gardens (P)	B3
Orsi Drive	E4
Osborne Family Way	B2, B3
Osler Court	B5
Osmond Crescent	C2
Otton Road	A4
P	
Pam Crescent	E3
Park Avenue	C4, D4
Park Court	D3
Parkside Drive	C3
Parkview Crescent	C4
Parnham Avenue (P)	A5
Patterson Street	E2, D3
Patti McCulloch Way	A2, A3
Paxton Crescent	B5
Pearson Street	D5
Peevers Crescent	B4
Pelletier Court	D6
Pembridge Court	A5
Penn Avenue	C3, D3
Penn Avenue East	D3
Penrose Street	D5
Perrin Avenue	D4
Peter Hall Drive	B6
Peterwood Court	E4
Petheram Place	B4
Pickering Crescent	E5
Pinder Avenue	D6
Pine Street	D4
Plantation Gate	B5
Playter Crescent	B7
Pleasantview Avenue	D4
Plymouth Trail	C2
Ponting Place	C6
Pony Drive	F2, F3
Poplar Lane	D4
Poppy Lane	E6, E7, F7
Portland Cresent	C2
Portminster Court	E7
Premier Place	E4, E5
Prest Way	A2
Priddle Road	A5
Primrose Lane	C2
Pritchard Place (P)	E4
Prospect Street	D3, D4, D5
Puck's Place	D6
Q	
Quaker Trail	D6
Quantra Crescent	E6, E7
Queen Street	C3, D4, E3
Queen's Crescent	D4
Queen's Lane	D3, D4
Quick Street	E7
R	
Raglan Street	D4
Ralston Crescent	E7
Rannie Road	B5
Ray Snow Boulevard	A2, B2
Reading Place	D2
Red Deer Street	D2
Red River Crescent	B2, B3
Reg Harrison Trail	B3, B4
Renzius Court	D5
Revell Road	C7
Rhodes Circle	A4
Richard Avenue	C4
Riddell Court (P)	E5
Ringwell Drive	F1
Riordan Court	E7
Rita's Avenue	B5
Roadhouse Boulevard	B1, B2
Robellino Court	D6, E6
Robertson Place (P)	D4
Robin Court	C3
Robinson Drive	C5
Rockway Court	E2, D3
Roeder Court	D5
Rogers Road	C5
Ross Patrick Crescent	A3, B3
Rourke Place	D5
Roxborough Road	D3, E4
Roywood Crescent	C5
Rushbrook Drive	A5, B5
Rutledge Avenue	E3
Rye Crescent	C3
S	
Salisbury Lane	D2
Sandford Street	C4, C5, C6
Savage Road	B6, C6, B7, C7
Sawmill Valley Drive	B6
Schaeffer Outlook	D7
Scott Avenue	C4
Second Street	D5
Secretariate Road	E7
Selby Crescent	D2
Seneca Court	B5
Septonne Avenue	C3
Shadrach Drive	C7, D7
Shanahan Boulevard	B6, B7
Sheffield Street	C2
Sheldon Avenue	C3
Sheridan Court	D4
Sherman Brock Circle	E6, E7, F6, F7
Sherwood Place	C4
Shoniker Drive	B7
Shortreed Terrace	F7
Silken Laumann Drive	C6, D6
Silverbirch Drive	C3
Simcoe Street	D3
Simon Street	D3
Simpson Road	C5
Sir Ivor Court	E7
Sisler Avenue	B6
Skelton Street	D4
Skinner Avenue	D6
Skye Court (P)	D6
Sloss Court	A2
Society Crescent	B6
Solstice Circle	B3
Somerville Drive	D6
South Service Road (P)	D6
Southwind Court	E5
Sparrow Road	E4
Spillette Court	D2
Spruce Grove Crescent	B1, B2
Srigley Street	D4, E4
Stackhouse Road	F4
Stafford Place	C2
Stanley Street	C4
Stellar Drive	F2
Stellick Avenue	C6
Steven Court	D6
Stewart Street	D4, D5
Stickwood Court	D4
Stiver Drive	C2
Stonehaven Avenue	D6, D7, E7
Stuffles Cresent	E7, F7
Sunnypoint Drive	E2
Superior Street	D3
Surgeoner Crescent	B5
Surin Court	E5
Sutherland Avenue	E5
Sweetwater Crescent	A3
Sydor Court	C6
Sykes Road	A4
T	
Talbot Crescent	C5
Tallantine Place	E7
Tango Crescent	B3
Tapestry Lane (P)	D6
Tecumseth Street	D4
Tegal Place	E7
Terry Carter Crescent (P)	D5
Terry Drive	C5
Thoms Crescent	C5
Thornwillow Court	E4
Three Seasons Drive	E4
Timothy Street	C4, D4
Tom Taylor Crescent (P)	B5
Towercrest Drive	C5
Trailhead Avenue	B2
Traviss Drive	E1, E2
Tugwell Place (P)	D5
Twinney Drive	F3
U	
United Circle (P)	C6
Upper Canada Road (P)	B3
Urbana Lane	B3
V	
Vale Avenue	D4
Valley Green Trail	B6
Vanden Bergh Boulevard	E1, D2
Vantage Loop	B3
Veale Place	E5
Vermont Avenue	B7
Vernon Place	E1
Veterans Way	E7
Vice Regent Place	E6
Victoria Street	D4
Vincent Street	D3
Vivant Street	B3
W	
Wainscot Avenue	B1
Wakefield Place	D2
Walpole Crescent	D6
Walsh Court	B6
Walter Avenue	C3
Waratah Avenue	E2
Warby Trail	E6
Warner Crescent	A5
Warwick Crescent	B6
Water Street	D4
Watson Avenue	D3
Wayne Drive	E2, E3
Webb Court	C5
Weddel Court	E1, E2
Wellington Street	D4
Wendy Culbert Crescent (P)	C7
Wesley Street	D4
Widdifield Avenue	B7, C7
Wilbur Pipher Circle	E6, F6
Wildrush Place	E7
Wildwood Drive	E3, E4
William Booth Avenue	B2, B3
William Curtis Circle (P)	E5
William Dunn Crescent	A6
William Roe Boulevard	C5
William Street	D4
Williamson Family Hollow	A3
Willow Lane	C2, C3
Willowick Drive	D6
Wilstead Drive	C3, C4
Wimbleton Court	C2
Winkworth Court (P)	D5
Wood Duck Lane	B1, B2
Woodbury Crescent	B6
Woodfern Way	B1, B2
Woodhaven Court	B5
Woodland Court	C3
Woodmount Place	C4
Woodpark Place	D3
Woodspring Avenue	B1, B2
Y	
Yarfield Crescent	A3
Yonge Street	C1, C2, C3, C4, B4, B5, B6, B7
Yorkshire Drive	C2