



Municipality of
Leamington
live | play | work



Municipal Sewage Collection System 033-W601 2025 Annual Report

Submitted to:
Ontario Ministry of the Environment, Conservation and Parks
March 2026

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1.0 System Description

This report was prepared to summarize The Corporation of the Municipality of Leamington Municipal Sewage System operations. This report is being submitted to the Ontario Ministry of the Environment, Conservation and Parks (MECP) to satisfy the requirements of the Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) 033-W601, Issue Number 2, dated July 19, 2024.

The Municipality of Leamington Sewage Collection System consists of a series of local combined sewers, separated sanitary sewers, forcemains, and pump stations for the collection and transmission of sewage to the Leamington Pollution Control Centre (LPCC). The sanitary collection system is divided into two main sewer sheds that are serviced by two trunk sewers: Peter and Pickwick trunk sewers. These trunk sewers service residential, commercial, industrial and institutional properties in the urban area of the Municipality. Treated effluent from LPCC is discharged to Lake Erie.

Table 1 provides a summary of the sewage collection system infrastructure:

Table 1: Sewage Works Infrastructure

Infrastructure Type	Quantity
Combined Sewers	36.38 km
Combined Sewer Overflows	7
Sanitary Sewers	72.77 km
Sanitary Forcemains	6.87 km
Sanitary Pump Stations	15
Sanitary Sewer Overflows	5

2.0 Monitoring Data

2.1 Combined Sewer Overflows

Leamington maintains 36.38 km of combined sewers with seven (7) overflow structures that discharge directly to the environment. Two of the overflow structures located at Oak Street East and Whitwam Avenue are near each other and are being monitored with the same flow monitor.

In 2025, a total of 142,903 m³ of combined sewage overflowed from the municipal system. Combined sewer overflow events are reported online via the Ministry's reporting portal and annual overflow volumes are reported through the Effluent Regulatory Reporting Information System. Combined sewer overflow data is also available online to the public through the municipality's website. 2025 reported data is provided in **Appendix A**. Combined sewer system overflows were not sampled during the 2025 reporting period as the MECP sampling and monitoring guidance for sewage collection systems has not been released yet.

2.2 Pump Station Overflows

The sewage system includes fifteen (15) sanitary pump stations as shown in Figure 2. Depending on service area and design flows, sanitary pump stations are equipped with either two pumps (1 duty and 1 standby) or three pumps (2 duty and 1 standby). All pump stations have a local control panel equipped with a PLC and communicate to the LPCC via a cellular network. Pump station remote monitoring includes pump status, wet well levels, flows (where available) and alarms.

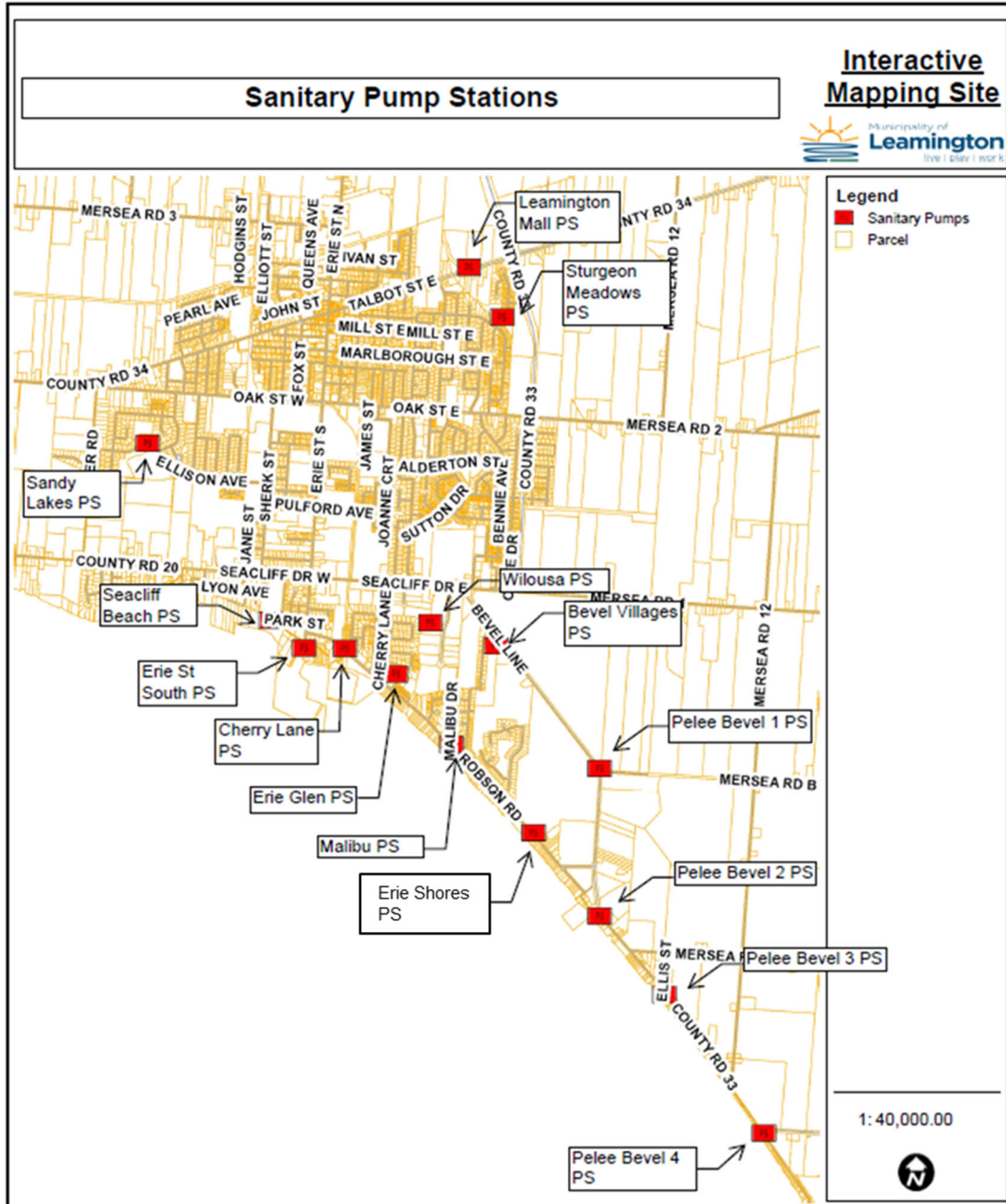


Figure 2: Sanitary Pump Station Locations

Five of the fifteen pump stations have an engineered overflow. There were no pump station overflow events recorded in 2025. Pump station overflow data is provided in **Appendix B**.

2.3 Spills

There were no spills of sewage to the natural environment beyond the overflows noted in section 2.1 and 2.2 of this report.

3.0 Operating Problems & Corrective Actions

There were no major operating problems in 2025. Repairs and corrective actions taken are highlighted in **Appendix F**.

4.0 Calibration, Maintenance and Repair Summary

Calibration

The flow monitors and level sensors installed to monitor combined sewer overflow events are verified during each maintenance site visit. Pump station flow meters are calibrated annually. 2025 calibration reports are included in **Appendix C**.

Maintenance

Routine maintenance is performed on the combined sewer overflow monitors by an external third party. Maintenance records are included with the calibration records in **Appendix C**.

Pump stations are inspected at regular intervals including weekly, monthly, quarterly, semi-annual and annual. The *Allmax Antero* computerized maintenance program is used to track maintenance work orders for the pump stations. Table 3 outlines the activities performed at the pump stations on a routine basis. Example work orders and pump station clean out dates are provided in **Appendix D**.

The Municipality completes a sanitary and combined sewer flushing and CCTV inspection program annually. The sewer system is divided into five sewer maintenance areas which are cleaned on a yearly rotational schedule. This program also includes flushing of areas of concern on a quarterly, semi-annual and annual basis. Additional flushing is completed, as required and identified by infrastructure services inspectors. **Appendix E** includes a list and mapping to show the areas flushed and videoed in 2025.

Table 3: Pump Station Inspection Activities

Inspection Type	Activities Performed
Weekly	<ul style="list-style-type: none"> • Visual inspection of above ground equipment, hatches, control panel, conduit, concrete, access, landscaping, etc. • Inspect, clean and operate float balls • Inspect wet well and metering chamber (where equipped) • Rotate duty pumps, if required • Test run each pump • Record pump hours and other data or observations • Check alarm log or operation history, where equipped on local HMI • Test all station alarms • For stations with generators, inspect all consumables (fuel, oil, lubricant), inspect filters, exhaust louvres/vents, batteries and charging equipment, engine, control panel and security
Monthly	<p>For stations with generators:</p> <ul style="list-style-type: none"> • Test run standby generator • Inspect radiator level, oil level, fuel level, battery charger voltage, oil pressure, water temperature, battery information and fire extinguisher. • Perform lamp test (Wilousa only) • Test emergency lighting • Record all observed data, including run hours • For stations without a standby generator, the portable generator is taken to a different station every 2 weeks to test operations
Quarterly	<p>Leamington Mall pumping station only</p> <ul style="list-style-type: none"> • Complete an entry to inspect dry well and all equipment, check pump operation, pump coupling, oil level and motor. Grease valves and couplings as required. Operate valving and test run each pump.
Annual	<ul style="list-style-type: none"> • Generator inspection, consumable checks and load bank testing • Control panel inspection by external contractor • Wet well clean out by external contractor

Repairs

In addition to routine preventative maintenance, various repairs were completed on the linear infrastructure and pump stations in 2025. A summary of all repairs is provided in **Appendix F**.

5.0 Complaints

Complaints received online or through customer service representatives are entered and tracked through the municipal database. In 2025, Leamington transitioned from using CityWorks to using CityWide. Additional complaints received by the Infrastructure Services Inspectors are tracked separately in a Sewer Log. A copy of all 2025 complaints, including follow up actions, is provided in **Appendix G**.

6.0 Notice of Modifications to Sewage Works

No modifications were made to the sewage works in 2025. A sewage works map showing all linear infrastructure is provided in **Appendix H**.

7.0 Procedure F-5-5

The Municipality of Leamington is continuing to plan and complete sewer separation in accordance with the Status of Leamington's Combined Sewer System and Overflows Report dated June 2005. No sewer separation projects were completed in 2025; however, two major sewer separation projects were initiated in 2025 and are expected to be complete in 2026, including Audrey Street, Margaret Street, Jane Street, Claire Street and Sherk Street in the southwest quadrant of Leamington and Queens Avenue, John Street, Albert Street, Baird Avenue, and Elliot Street in the northwest quadrant of Leamington.

8.0 Significant Drinking Water Threat Assessment Report for Proposed Alterations – Sewage Collection System

In 2025 the Municipality of Leamington prepared a Significant Drinking Water Threat Assessment Report for each ongoing or completed alteration to the Authorized System as per Schedule E, Section 7.0 of the CLI-ECA #033-W601. There were no significant drinking water threats identified and therefore no design considerations or mitigation measures were necessary. A copy of the Significant Drinking Water Threat Report is provided in **Appendix I**.

Appendix A
2025 Combined Sewer Overflow Data



CSO-1 Overflow Totals

Receiving Water Body

Selkirk Drain

Start Date	Start Time	End Date	End Time	Volume (m ³)	Duration (h:min)	Cause
31-Jan-25	12:20	31-Jan-25	13:45	17.982	1:25	wet weather
January Total				17.982		
25-Feb-25	10:10	25-Feb-25	10:15	0.850	0:05	wet weather
February Total				0.850		
5-Mar-25	2:00	5-Mar-25	3:45	46.808	1:45	wet weather
16-Mar-25	9:55	16-Mar-25	10:10	30.845	0:15	wet weather
30-Mar-25	19:45	30-Mar-25	20:30	392.766	0:45	wet weather
March Total				470.419		
2-Apr-25	10:15	3-Apr-25	5:10	5101.803	16:55	wet weather
April Total				5101.803		
6-May-25	14:10	6-May-25	14:25	1190.645	0:15	wet weather
21-May-25	13:15	21-May-25	13:55	5552.550	0:40	wet weather
May Total				6743.195		
4-Jun-25	19:55	4-Jun-25	20:05	31.752	0:10	wet weather
18-Jun-25	20:05	18-Jun-25	20:50	624.967	0:45	wet weather
19-Jun-25	20:50	19-Jun-25	21:40	928.516	0:50	wet weather
June Total				1585.235		
16-Jul-25	11:55	16-Jul-25	15:30	8000.798	3:35	wet weather
19-Jul-25	22:00	20-Jul-25	1:15	1293.942	3:15	wet weather
27-Jul-25	2:55	27-Jul-25	3:20	69.843	0:25	wet weather
28-Jul-25	17:05	28-Jul-25	19:50	5631.478	2:45	wet weather
30-Jul-25	14:10	30-Jul-25	18:05	3967.461	3:55	wet weather
31-Jul-25	0:55	31-Jul-25	13:25	6894.172	12:30	wet weather
July Total				25857.694		
12-Aug-25	23:30	13-Aug-25	0:30	256.717	1:00	wet weather
19-Aug-25	14:00	19-Aug-25	14:35	246.538	0:35	wet weather
August Total				503.255		
4-Sep-25	2:10	4-Sep-25	3:10	338.397	1:00	wet weather
24-Sep-25	10:55	24-Sep-25	14:05	904.140	3:10	wet weather
September Total				1242.537		
26-Dec-25	13:25	26-Dec-25	13:45	21.136	0:20	wet weather
December Total				21.136		
Annual Total				41544.106		

CSO-2/3 Overflow Totals
Receiving Water Body

Selkirk Drain

Start Date	Start Time	End Date	End Time	Volume (m ³)	Duration (h:min)	Cause
18-Jan-25	4:15	18-Jan-25	12:30	0.827	8:15	wet weather
31-Jan-25	3:05	31-Jan-25	21:35	102.840	18:30	wet weather
January Total				103.667		
6-Feb-25	12:20	6-Feb-25	12:25	0.009	0:05	wet weather
13-Feb-25	13:30	13-Feb-25	13:35	0.002	0:05	wet weather
15-Feb-25	11:20	15-Feb-25	15:40	1.063	4:20	wet weather
21-Feb-25	14:45	21-Feb-25	15:25	0.042	0:40	wet weather
25-Feb-25	9:45	25-Feb-25	11:40	35.768	1:55	wet weather
26-Feb-25	12:35	26-Feb-25	19:35	1.441	7:00	wet weather
February Total				38.325		
4-Mar-25	22:45	5-Mar-25	20:35	238.786	9:10	wet weather
14-Mar-25	5:30	15-Mar-25	10:35	150.235	29:05	wet weather
20-Mar-25	13:05	20-Mar-25	13:15	0.026	0:10	wet weather
23-Mar-25	19:10	23-Mar-25	22:00	0.051	2:50	wet weather
28-Mar-25	11:35	28-Mar-25	12:05	0.308	0:30	wet weather
30-Mar-25	1:20	30-Mar-25	21:20	549.610	20:00	wet weather
March Total				939.016		
2-Apr-25	9:35	3-Apr-25	4:15	4,874.637	18:40	wet weather
19-Apr-25	7:55	19-Apr-25	8:10	0.870	0:15	wet weather
21-Apr-25	11:00	21-Apr-25	11:05	0.206	0:05	wet weather
25-Apr-25	17:25	25-Apr-25	20:45	23.469	3:20	wet weather
April Total				4,899.182		
1-May-25	13:30	1-May-25	15:00	2,712.528	1:30	wet weather
4-May-25	17:05	4-May-25	21:55	991.568	4:50	wet weather
5-May-25	21:00	6-May-25	2:35	2,492.313	5:35	wet weather
13-May-25	2:05	13-May-25	6:30	0.368	4:25	wet weather
16-May-25	1:20	16-May-25	2:10	1.162	0:50	wet weather
20-May-25	21:35	20-May-25	22:30	29.430	0:55	wet weather
21-May-25	13:20	21-May-25	15:35	68.060	2:15	wet weather
May Total				6,295.429		
4-Jun-25	19:30	4-Jun-25	20:20	138.613	0:50	wet weather
5-Jun-25	4:00	5-Jun-25	4:40	22.260	0:40	wet weather
18-Jun-25	8:10	18-Jun-25	21:15	1,039.587	13:05	wet weather
19-Jun-25	20:40	19-Jun-25	22:05	958.526	1:25	wet weather
30-Jun-25	6:15	30-Jun-25	6:50	13.082	0:35	wet weather
June Total				2,172.068		
11-Jul-25	13:30	11-Jul-25	14:05	2.177	0:35	wet weather
12-Jul-25	14:10	12-Jul-25	14:40	17.064	0:30	wet weather
16-Jul-25	12:00	16-Jul-25	14:55	15,164.211	2:55	wet weather
19-Jul-25	21:35	20-Jul-25	1:35	2,063.762	4:00	wet weather
25-Jul-25	17:20	25-Jul-25	18:10	274.902	0:50	wet weather
27-Jul-25	0:10	27-Jul-25	3:50	172.636	3:40	wet weather
28-Jul-25	16:45	28-Jul-25	19:35	10,224.411	2:50	wet weather
30-Jul-25	13:55	30-Jul-25	17:15	7,486.988	3:20	wet weather
31-Jul-25	0:50	31-Jul-25	12:50	5,898.699	12:00	wet weather
July Total				41,304.850		
12-Aug-25	22:05	13-Aug-25	0:50	847.924	2:45	wet weather
19-Aug-25	10:10	19-Aug-25	15:20	998.862	5:10	wet weather
August Total				1,846.786		
24-Sep-25	10:05	24-Sep-25	14:30	2,681.404	4:25	wet weather
September Total				2,681.404		
19-Oct-25	5:45	19-Oct-25	6:40	41.750	0:55	wet weather
29-Oct-25	23:30	29-Oct-25	23:40	3.328	0:10	wet weather
October Total				45.078		
9-Nov-25	12:05	9-Nov-25	12:10	0.416	0:05	wet weather
25-Nov-25	8:40	25-Nov-25	12:00	57.876	3:20	wet weather
November Total				58.292		
10-Dec-25	5:35	10-Dec-25	9:25	56.255	3:50	wet weather
18-Dec-25	22:30	19-Dec-25	1:30	5.316	3:00	wet weather
26-Dec-25	12:55	26-Dec-25	14:10	163.515	1:15	wet weather
28-Dec-25	7:25	28-Dec-25	18:15	34.727	10:50	wet weather
December Total				259.813		
Annual Total				60,643.910		

CSO-4 Overflow Totals

Receiving Water Body

Selkirk Drain

Start Date	Start Time	End Date	End Time	Volume (m ³)	Duration (h:min)	Cause
31-Jan-25	12:15	31-Jan-25	15:23	1,036.397	3:08	wet weather
January Total				1,036.397		
25-Feb-25	10:48	25-Feb-25	13:49	342.829	3:01	wet weather
February Total				342.829		
5-Mar-25	2:29	5-Mar-25	5:14	1,759.055	2:45	wet weather
16-Mar-25	10:40	16-Mar-25	11:35	643.272	0:55	wet weather
30-Mar-25	20:43	30-Mar-25	22:18	1,836.867	1:35	wet weather
March Total				4,239.194		
2-Apr-25	11:04	3-Apr-25	3:32	5,992.773	16:28	wet weather
25-Apr-25	21:22	25-Apr-25	21:47	59.482	0:25	wet weather
April Total				6,052.255		
1-May-25	14:40	1-May-25	14:59	610.013	0:19	wet weather
5-May-25	22:35	5-May-25	22:39	131.264	0:04	wet weather
13-May-25	14:41	13-May-25	14:45	151.027	0:04	wet weather
20-May-25	23:18	20-May-25	23:38	45.080	0:20	wet weather
21-May-25	14:05	21-May-25	15:30	797.880	1:25	wet weather
May Total				1,735.264		
4-Jun-25	19:50	4-Jun-25	20:30	553.977	0:40	wet weather
5-Jun-25	4:30	5-Jun-25	4:40	21.348	0:10	wet weather
18-Jun-25	13:45	18-Jun-25	21:20	2,384.515	7:35	wet weather
19-Jun-25	20:55	19-Jun-25	22:10	2,640.607	1:15	wet weather
June Total				5,600.447		
16-Jul-25	11:50	16-Jul-25	11:55	127.142	0:05	wet weather
31-Jul-25	1:40	31-Jul-25	1:45	392.293	0:05	wet weather
July Total				519.435		
12-Aug-25	23:30	13-Aug-25	0:50	2,189.830	1:20	wet weather
19-Aug-25	10:35	19-Aug-25	15:15	2,512.587	4:40	wet weather
August Total				4,702.417		
4-Sep-25	2:10	4-Sep-25	3:45	2,254.128	1:35	wet weather
24-Sep-25	10:30	24-Sep-25	14:35	7,373.126	4:05	wet weather
September Total				9,627.254		
19-Oct-25	6:25	19-Oct-25	6:35	38.230	0:10	wet weather
October Total				38.230		
25-Nov-25	11:20	25-Nov-25	12:00	200.146	0:40	wet weather
November Total				200.146		
10-Dec-25	8:00	10-Dec-25	9:25	435.482	1:25	wet weather
26-Dec-25	13:25	26-Dec-25	14:10	650.180	0:45	wet weather
28-Dec-25	8:40	28-Dec-25	18:20	326.624	9:50	wet weather
December Total				1,412.286		
Annual Total				35,506.154		

CSO-5 Overflow Totals

Receiving Water Body

Selkirk Drain

Start Date	Start Time	End Date	End Time	Volume (m ³)	Duration (h:min)	Cause
12-Feb-25	3:05	12-Feb-25	3:10	0.002	0:05	wet weather
February Total				0.002		
20-Mar-25	1:50	20-Mar-25	16:35	0.015	14:45	wet weather
23-Mar-25	19:05	23-Mar-25	22:20	0.030	3:15	wet weather
March Total				0.045		
2-Apr-25	23:40	3-Apr-25	0:10	9.948	0:30	wet weather
25-Apr-25	13:25	25-Apr-25	13:30	0.019	0:05	wet weather
April Total				9.967		
1-May-25	13:35	1-May-25	13:50	28.668	0:15	wet weather
5-May-25	5:10	5-May-25	21:15	0.287	16:05	wet weather
20-May-25	14:15	20-May-25	14:20	0.005	0:05	wet weather
May Total				28.960		
18-Jun-25	20:00	18-Jun-25	20:05	6.056	0:05	wet weather
30-Jun-25	7:05	30-Jun-25	10:55	0.034	3:50	wet weather
June Total				6.090		
6-Jul-25	22:59	6-Jul-25	23:05	2.685	0:06	wet weather
9-Jul-25	9:25	9-Jul-25	9:40	5.662	0:15	wet weather
11-Jul-25	13:32	11-Jul-25	13:40	3.632	0:08	wet weather
12-Jul-25	13:57	12-Jul-25	14:21	2.928	0:24	wet weather
16-Jul-25	11:45	16-Jul-25	12:40	129.151	0:55	wet weather
28-Jul-25	16:55	28-Jul-25	17:35	130.563	0:40	wet weather
30-Jul-25	14:15	30-Jul-25	14:30	8.897	0:15	wet weather
31-Jul-25	1:20	31-Jul-25	1:35	27.751	0:15	wet weather
July Total				311.269		
Annual Total				356.333		

CSO-6 Overflow Totals

Receiving Water Body

Selkirk Drain

Start Date	Start Time	End Date	End Time	Volume (m ³)	Duration (h:min)	Cause
20-Mar-25	1:30	20-Mar-25	16:35	0.012	15:05	wet weather
23-Mar-25	18:55	23-Mar-25	22:20	0.168	3:25	wet weather
28-Mar-25	11:35	28-Mar-25	12:25	0.041	0:50	wet weather
29-Mar-25	14:55	29-Mar-25	22:35	0.333	7:40	wet weather
30-Mar-25	1:00	30-Mar-25	22:45	0.933	21:45	wet weather
March Total				1.487		
1-May-25	13:30	1-May-25	13:35	1.909	0:05	wet weather
20-May-25	15:55	20-May-25	16:00	0.005	0:05	wet weather
May Total				1.914		
18-Jun-25	12:45	18-Jun-25	12:50	0.001	0:05	wet weather
June Total				0.001		
16-Jul-25	11:45	16-Jul-25	12:05	39.526	0:20	wet weather
28-Jul-25	17:00	28-Jul-25	17:20	12.049	0:20	wet weather
July Total				51.575		
Annual Total				54.977		

CSO-7 Overflow Totals

Receiving Water Body

Selkirk Drain

Start Date	Start Time	End Date	End Time	Volume (m ³)	Duration (h:min)	Cause
2-Apr-25	22:40	2-Apr-25	23:16	803.549	0:36	wet weather
April Total				803.549		
1-May-25	10:05	1-May-25	12:55	3319.713	2:50	wet weather
5-May-25	20:10	5-May-25	20:20	351.082	0:10	wet weather
May Total				3,670.795		
16-Jul-25	10:45	16-Jul-25	10:47	323.362	0:02	wet weather
July Total				323.362		
Annual Total				4,797.706		

Appendix B
2025 Pump Station Overflow Data



No pump station overflows were reported in 2025.



Appendix C
2025 Calibration Reports



SIEMENS
 MAGFLO
 RESULT PASS

CLIENT DETAIL

CUSTOMER Municipality of Leamington
 CONTACT Jason Charles, Supervisor
 Pollution Control Centre
 111 Erie St. N.
 Leamington, ON N8H 2Z9
 T: 519-326-5761 x4202
 E: jcharles@leamington.ca

EQUIPMENT DETAIL

PLANT ID Pelee Bevel 1
 METER ID Pelee Bevel 1
 FIT ID N/A
 CLIENT TAG N/A
 OTHER N/A
 GPS COORDINATES N41°59.656 W082°33.358

VER. BY - FM Charles Francisco

Quality Management Standards Information -
 Reference equipment and instrumentation used to
 conduct this verification test is found in our AC-
 QMS document at the time this test was
 conducted.

VERIFICATION DATE April 14th 2025
 CAL. FREQUENCY Annual
 CAL. DUE DATE April 2026

MAGFLO IDENTIFICATION

TAG No./NAME 0
 SENSOR CODE No. 7ME658
 SENSOR SERIAL NUMBER PBD-J2130005
 TRANSMITTER CODE No. 7ME69102CA101AA0
 TRANSMITTER SERIAL NUMBER N1HN240029
 FUSE LOCATION N/A

SENSOR DETAIL

SIZE DN [mm] 200
 CAL. FACTOR 32.62755966
 CORRECTION FACTOR 1
 EXCITATION FREQ. [Hz] 3.75
 SERIAL NUMBER N1B4070001
 DEVICE NUMBER 206005
 SOFTWARE VERSION 1.4
 PC SOFTWARE VERSION 5.01

TRANSMITTER SETTINGS

BASIC		
Qmax	lps	75
FLOW DIR.		Positive
L.FLOW CUTOFF	%	1.50%
EMPTY PIPE		ON
OUTPUT		
CURRENT O/P	4-20	ON
TIME CONS.	secs.	5
RELAY O/P		Error Level
DIGITAL O/P		OFF
FREQ. RANGE		N/A
TIME CONS.		N/A
VOL/PULSE	USG/pulse	0
PULSE WIDTH	secs	0.066
POLARITY		Positive

QUALITY MANAGEMENT STANDARDS INFO.

[QMS] INFORMATION	IDENT.	ID #
[REFERENCE] FTS	VERIFICATOR	1
PROCESS METER	PM	0
ANALOG METER	AM	N/A
STOP WATCH	SW	N/A

TOTALIZERS

TOT.1 value before test	m3	17417.83203
TOT.1 value after test	m3	17417.85156
TOT.1 difference	m3	0.01953125
TOT.2 value before test	m3	29.00078392
TOT.2 value after test	m3	29.00225067
TOT.2 difference	m3	0.00146675
OPERATING TIME	DAYS	2357

RESULTS

VELOCITY	CURRENT OUTPUT			FREQUENCY OUTPUT		
	THEORETICAL	THEORETICAL	ACTUAL	DEVIATION	THEORETICAL	ACTUAL
m/s	mA	mA	%	kHz	kHz	%
0.500	4.800	4.801	0.090	0.500	0.500	-0.050
1.000	5.600	5.599	-0.090	1.000	0.999	-0.080
3.000	8.800	8.796	-0.090	3.000	3.000	-0.010

C1-C2 (ohms)	101.6	TRANSMITTER	PASSED
C1-SCRN	OPEN	SENSOR - INSTALLATION	PASSED
C2-SCRN	OPEN	SENSOR - MAGNETIC CIRCUIT	PASSED

COMMENTS

The information found in this report is reflective based on the use of the manufacturers MAGFLO Vericator conforming to their suggested operational practices. The vericator interrogates the transmitter, insulation and flow tube magnetism circuit. These tests verify that the flow meter is functional within 2% deviation of the original manufactured test results.

SIEMENS
MAGFLO
RESULT PASS

CLIENT DETAIL

CUSTOMER Municipality of Leamington
 CONTACT Jason Charles, Supervisor
 Pollution Control Centre
 111 Erie St. N.
 Leamington, ON N8H 2Z9
 T: 519-326-5761 x4202
 E: jcharles@leamington.ca

EQUIPMENT DETAIL

PLANT ID Pelee Bevel 2
 METER ID Pelee Bevel 2
 FIT ID N/A
 CLIENT TAG N/A
 OTHER N/A
 GPS COORDINATES N42°00.248 W082°33.948

VER. BY - FM Charles Francisco

Quality Management Standards Information -
 Reference equipment and instrumentation used to
 conduct this verification test is found in our AC-
 QMS document at the time this test was
 conducted.

VERIFICATION DATE April 14th 2025
 CAL. FREQUENCY Annual
 CAL. DUE DATE April 2026

MAGFLO IDENTIFICATION

TAG No./NAME 0
 SENSOR CODE No. 7ME658
 SENSOR SERIAL NUMBER PBD-J2130004
 TRANSMITTER CODE No. 7ME69102CA101AA0
 TRANSMITTER SERIAL NUMBER N1HN240004
 FUSE LOCATION N/A

SENSOR DETAIL

SIZE DN [mm] 150
 CAL. FACTOR 32.62755966
 CORRECTION FACTOR 1
 EXCITATION FREQ. [Hz] 7.5
 SERIAL NUMBER N1B4070001
 DEVICE NUMBER 206005
 SOFTWARE VERSION 1.4
 PC SOFTWARE VERSION 5.01

TRANSMITTER SETTINGS

BASIC		
Qmax	lps	50
FLOW DIR.		Positive
L.FLOW CUTOFF	%	1.50%
EMPTY PIPE		ON
OUTPUT		
CURRENT O/P	4-20	ON
TIME CONS.	secs.	5
RELAY O/P		Error Level
DIGITAL O/P		OFF
FREQ. RANGE		N/A
TIME CONS.		N/A
VOL/PULSE	USG/pulse	0
PULSE WIDTH	secs	0.066
POLARITY		Positive

QUALITY MANAGEMENT STANDARDS INFO.

[QMS] INFORMATION	IDENT.	ID #
[REFERENCE] FTS	VERIFICATOR	1
PROCESS METER	PM	0
ANALOG METER	AM	N/A
STOP WATCH	SW	N/A

TOTALIZERS

TOT.1 value before test	m3	353316.53125
TOT.1 value after test	m3	353316.56250
TOT.1 difference	m3	0.03125
TOT.2 value before test	m3	447.9685669
TOT.2 value after test	m3	447.9685669
TOT.2 difference	m3	0
OPERATING TIME	DAYS	2809

RESULTS

VELOCITY	CURRENT OUTPUT			FREQUENCY OUTPUT		
	THEORETICAL	THEORETICAL	ACTUAL	DEVIATION	THEORETICAL	ACTUAL
m/s	mA	mA	%	kHz	kHz	%
0.500	4.800	4.802	0.260	0.500	0.501	0.200
1.000	5.600	5.600	0.030	1.000	1.000	0.050
3.000	8.800	8.799	-0.020	3.000	3.002	0.060

C1-C2 (ohms) 96.5
 C1-SCRN OPEN
 C2-SCRN OPEN

TRANSMITTER PASSED
 SENSOR - INSTALLATION PASSED
 SENSOR - MAGNETIC CIRCUIT PASSED

COMMENTS

The information found in this report is reflective based on the use of the manufacturers MAGFLO Vericator conforming to their suggested operational practices. The vericator interrogates the transmitter, insulation and flow tube magnetism circuit. These tests verify that the flow meter is functional within 2% deviation of the original manufactured test results.

SIEMENS
 MAGFLO
 RESULT PASS

CLIENT DETAIL

CUSTOMER Municipality of Leamington
 CONTACT Jason Charles, Supervisor
 Pollution Control Centre
 111 Erie St. N.
 Leamington, ON N8H 2Z9
 T: 519-326-5761 x4202
 E: jcharles@leamington.ca

EQUIPMENT DETAIL

PLANT ID Pelee Bevel 3
 METER ID Pelee Bevel 3
 FIT ID N/A
 CLIENT TAG N/A
 OTHER N/A
 GPS COORDINATES N42°00.595 W082°34.346

VER. BY - FM Charles Francisco

Quality Management Standards Information -
 Reference equipment and instrumentation used to
 conduct this verification test is found in our AC-
 QMS document at the time this test was
 conducted.

VERIFICATION DATE April 14th 2025
 CAL. FREQUENCY Annual
 CAL. DUE DATE April 2026

MAGFLO IDENTIFICATION

TAG No./NAME 0
 SENSOR CODE No. 7ME652
 SENSOR SERIAL NUMBER 324902H118
 TRANSMITTER CODE No. 7ME69102CA101AA0
 TRANSMITTER SERIAL NUMBER N1JN230427
 FUSE LOCATION N/A

SENSOR DETAIL

SIZE DN [mm] 150
 CAL. FACTOR 14.28053188
 CORRECTION FACTOR 1
 EXCITATION FREQ. [Hz] 7.5
 SERIAL NUMBER N1B4070001
 DEVICE NUMBER 206005
 SOFTWARE VERSION 1.4
 PC SOFTWARE VERSION 5.01

TRANSMITTER SETTINGS

BASIC		
Qmax	lps	30
FLOW DIR.		Positive
L.FLOW CUTOFF	%	1.50%
EMPTY PIPE		ON
OUTPUT		
CURRENT O/P	4-20	ON
TIME CONS.	secs.	5
RELAY O/P		Error Level
DIGITAL O/P		OFF
FREQ. RANGE		N/A
TIME CONS.		N/A
VOL/PULSE	USG/pulse	1
PULSE WIDTH	secs	0.066
POLARITY		Positive

QUALITY MANAGEMENT STANDARDS INFO.

[QMS] INFORMATION	IDENT.	ID #
[REFERENCE] FTS	VERIFICATOR	1
PROCESS METER	PM	0
ANALOG METER	AM	N/A
STOP WATCH	SW	N/A

TOTALIZERS

TOT.1 value before test	m3	123476.85938
TOT.1 value after test	m3	123476.89063
TOT.1 difference	m3	0.03125
TOT.2 value before test	m3	1942.646362
TOT.2 value after test	m3	1942.646362
TOT.2 difference	m3	0
OPERATING TIME	DAYS	2370

RESULTS

VELOCITY	CURRENT OUTPUT			FREQUENCY OUTPUT		
	THEORETICAL	THEORETICAL	ACTUAL	DEVIATION	THEORETICAL	ACTUAL
m/s	mA	mA	%	kHz	kHz	%
0.500	4.800	4.799	-0.070	0.500	0.499	-0.110
1.000	5.600	5.598	-0.100	1.000	0.999	-0.060
3.000	8.800	8.796	-0.090	3.000	3.000	-0.010

C1-C2 (ohms) 108.1
 C1-SCRN OPEN
 C2-SCRN OPEN

TRANSMITTER PASSED
 SENSOR - INSTALLATION PASSED
 SENSOR - MAGNETIC CIRCUIT PASSED

COMMENTS

The information found in this report is reflective based on the use of the manufacturers MAGFLO Vericator conforming to their suggested operational practices. The vericator interrogates the transmitter, insulation and flow tube magnetism circuit. These tests verify that the flow meter is functional within 2% deviation of the original manufactured test results.

SIEMENS
MAGFLO
RESULT PASS

CLIENT DETAIL

CUSTOMER Municipality of Leamington
 CONTACT Jason Charles, Supervisor
 Pollution Control Centre
 111 Erie St. N.
 Leamington, ON N8H 2Z9
 T: 519-326-5761 x4202
 E: jcharles@leamington.ca

EQUIPMENT DETAIL

PLANT ID Pelee Bevel 4
 METER ID Pelee Bevel 4
 FIT ID N/A
 CLIENT TAG N/A
 OTHER N/A
 GPS COORDINATES N42°01.01500 W082°34.351

VER. BY - FM Charles Francisco

Quality Management Standards Information -
 Reference equipment and instrumentation used to
 conduct this verification test is found in our AC-
 QMS document at the time this test was
 conducted.

VERIFICATION DATE April 14th 2025
 CAL. FREQUENCY Annual
 CAL. DUE DATE April 2026

MAGFLO IDENTIFICATION

TAG No./NAME 0
 SENSOR CODE No. 7ME652
 SENSOR SERIAL NUMBER 324902H118
 TRANSMITTER CODE No. 7ME69102CA101AA0
 TRANSMITTER SERIAL NUMBER N1JN230427
 FUSE LOCATION N/A

SENSOR DETAIL

SIZE DN [mm] 100
 CAL. FACTOR 6.20235109
 CORRECTION FACTOR 1
 EXCITATION FREQ. [Hz] 7.5
 SERIAL NUMBER N1B4070001
 DEVICE NUMBER 206005
 SOFTWARE VERSION 1.4
 PC SOFTWARE VERSION 5.01

TRANSMITTER SETTINGS

BASIC		
Qmax	lps	30
FLOW DIR.		Positive
L.FLOW CUTOFF	%	1.50%
EMPTY PIPE		ON
OUTPUT		
CURRENT O/P	4-20	ON
TIME CONS.	secs.	5
RELAY O/P		Error Level
DIGITAL O/P		OFF
FREQ. RANGE		N/A
TIME CONS.		N/A
VOL/PULSE	USG/pulse	1
PULSE WIDTH	secs	0.066
POLARITY		Positive

QUALITY MANAGEMENT STANDARDS INFO.

[QMS] INFORMATION	IDENT.	ID #
[REFERENCE] FTS	VERIFICATOR	1
PROCESS METER	PM	0
ANALOG METER	AM	N/A
STOP WATCH	SW	N/A

TOTALIZERS

TOT.1 value before test	m3	460018.09375
TOT.1 value after test	m3	460018.15625
TOT.1 difference	m3	0.0625
TOT.2 value before test	m3	324.660553
TOT.2 value after test	m3	324.660553
TOT.2 difference	m3	0
OPERATING TIME	DAYS	2805

RESULTS

VELOCITY	CURRENT OUTPUT			FREQUENCY OUTPUT		
	THEORETICAL	THEORETICAL	ACTUAL	DEVIATION	THEORETICAL	ACTUAL
m/s	mA	mA	%	kHz	kHz	%
0.500	4.800	4.799	-0.090	0.500	0.498	-0.340
1.000	5.600	5.601	0.080	1.000	1.000	-0.020
3.000	8.800	8.800	-0.070	3.000	2.999	-0.040

C1-C2 (ohms) 89.2
 C1-SCRN OPEN
 C2-SCRN OPEN

TRANSMITTER PASSED
 SENSOR - INSTALLATION PASSED
 SENSOR - MAGNETIC CIRCUIT PASSED

COMMENTS

The information found in this report is reflective based on the use of the manufacturers MAGFLO Vericator conforming to their suggested operational practices. The vericator interrogates the transmitter, insulation and flow tube magnetism circuit. These tests verify that the flow meter is functional within 2% deviation of the original manufactured test results.

AS FOUND CERTIFICATION

FORWARD FLOW DIRECTION

PASS

CLIENT DETAIL

CUSTOMER Municipality of Leamington
 CONTACT Jason Charles, Supervisor
 Pollution Control Centre
 111 Erie St. N.
 Leamington, ON N8H 2Z9
 T: 519-326-5761 x4202
 E: jcharles@leamington.ca

EQUIPMENT DETAIL

[MUT] MANUFACTURER ROSEMOUNT
 MODEL 8712D
 CONVERTER SERIAL NUMBER 0860212213
 PLANT ID Erie Shores Pumping Station
 METER ID P1 Flow
 FIT ID N/A
 CLIENT TAG N/A
 OTHER N/A
 GPS COORDINATES N42 00.942 W082 34.738
 VERIFICATION DATE April 14th 2025
 CAL. FREQUENCY Annual
 CAL. DUE DATE April 2026

VER. BY - FM Charles Francisco

Quality Management Standards Information -
 Reference equipment and instrumentation used
 to conduct this verification test is found in our AC-
 QMS document.

PROGRAMMING PARAMETERS

DIAMETER (DN) mm 150
 F.S. FLOW - MAG LPS 223.7
 F.S. RANGE - O/P LPS 50.000
 TUBE CAL. FACTOR 0933205809191005

FORWARD TOTALIZER INFORMATION

AS FOUND 60567524 LITER
 AS LEFT 60590468 LITER
 DIFFERENCE 22944 LITER

TEST CRITERIA

AS FOUND CERTIFICATION TEST Yes
 FORWARD FLOW DIRECTION Yes
 ALLOWABLE [%] ERROR 5

COMPONENTS TESTED

CONVERTER DISPLAY yes
 mA OUTPUT yes
 TOTALIZER yes
 ACCURACY BASED ON [% o.r.] yes
 ERROR DOCUMENTED IN THIS REPORT; BASED ON % o.r.

VERIFICATOR CAL. FACTOR 1000015010000000
 [16-digits]

FLOW TUBE SIMULATION

	0	3	10	30	ft/s
DISPLAY	0.000	3.00	10.00	30.00	ft/s
MUT Reading	0.000	3.00	10.01	30.02	ft/s
MUT % Error	n/a	0.00	0.10	0.07	%
mA OUTPUT	4.000	5.600	9.333	20.000	mA
MUT Reading	4 mA	5.598	9.331	19.995	mA
MUT % Error	20 mA	-0.04	-0.02	-0.02	%
TOTALIZER				30.00	ft/s
TEST Accumulation				1847.00	ft
TIME				61.64	seconds
CALC. Velocity				29.96	ft/s
% Error				-0.12	%

QUALITY MANAGEMENT STANDARDS INFO.

[QMS] INFORMATION	IDENT.	ID #
[REFERENCE] FTS	ROS	1
PROCESS METER	PM	0
ANALOG METER	AM	N/A
STOP WATCH	SW	Yes

*All values are for "As Found" values.

COMMENTS

RESULTS

TEST	AVG % o.r.	PASS
		FAIL
DISPLAY	0.06	PASS
mA OUTPUT	-0.03	PASS
TOTALIZER	-0.12	PASS

This report reflects the test results of the overall accuracy for the above flow converter using the specified manufacturers flow tube simulator to within the specified tolerance as identified within this report.

AS FOUND CERTIFICATION
FORWARD FLOW DIRECTION
PASS

CLIENT DETAIL

CUSTOMER Municipality of Leamington
 CONTACT Jason Charles, Supervisor
 Pollution Control Centre
 111 Erie St. N.
 Leamington, ON N8H 2Z9
 T: 519-326-5761 x4202
 E: jcharles@leamington.ca

EQUIPMENT DETAIL

[MUT] MANUFACTURER ROSEMOUNT
 MODEL 8712D
 CONVERTER SERIAL NUMBER 0860212212
 PLANT ID Erie Shores Pumping Station
 METER ID P2 Flow
 FIT ID N/A
 CLIENT TAG N/A
 OTHER N/A
 GPS COORDINATES N42 00.942 W082 34.738
 VERIFICATION DATE April 14th 2025
 CAL. FREQUENCY Annual
 CAL. DUE DATE April 2026

VER. BY - FM Charles Francisco

Quality Management Standards Information -
 Reference equipment and instrumentation used
 to conduct this verification test is found in our AC-
 QMS document.

PROGRAMMING PARAMETERS

DIAMETER (DN) mm 150
 F.S. FLOW - MAG LPS 223.7
 F.S. RANGE - O/P LPS 50.000
 TUBE CAL. FACTOR 0886605608725005

FORWARD TOTALIZER INFORMATION

AS FOUND 59060116 LITER
 AS LEFT 59078524 LITER
 DIFFERENCE 18408 LITER

TEST CRITERIA

AS FOUND CERTIFICATION TEST Yes
 FORWARD FLOW DIRECTION Yes
 ALLOWABLE [%] ERROR 5

COMPONENTS TESTED

CONVERTER DISPLAY yes
 mA OUTPUT yes
 TOTALIZER yes
 ACCURACY BASED ON [% o.r.] yes
 ERROR DOCUMENTED IN THIS REPORT; BASED ON % o.r.

VERIFICATOR CAL. FACTOR 1000015010000000
 [16-digits]

FLOW TUBE SIMULATION

	0	3	10	30	ft/s
DISPLAY	0.000	3.000	10.000	30.000	ft/s
MUT Reading	0.000	3.000	10.010	30.030	ft/s
MUT % Error	n/a	0.00	0.10	0.10	%
mA OUTPUT	4.000	5.600	9.333	20.000	mA
MUT Reading	4 mA	5.597	9.329	19.990	mA
MUT % Error	20 mA	-0.05	-0.05	-0.05	%
TOTALIZER				30.00	ft/s
TEST Accumulation				1832.00	ft
TIME				60.94	seconds
CALC. Velocity				30.06	ft/s
% Error				0.21	%

QUALITY MANAGEMENT STANDARDS INFO.

[QMS] INFORMATION	IDENT.	ID #
[REFERENCE] FTS	ROS	1
PROCESS METER	PM	0
ANALOG METER	AM	N/A
STOP WATCH	SW	Yes

*All values are for "As Found" values.

COMMENTS

RESULTS

TEST	AVG % o.r.	PASS FAIL
DISPLAY	0.07	PASS
mA OUTPUT	-0.05	PASS
TOTALIZER	0.21	PASS

This report reflects the test results of the overall accuracy for the above flow converter using the specified manufacturers flow tube simulator to within the specified tolerance as identified within this report.

SIEMENS
 MAGFLO
 RESULT PASS

CLIENT DETAIL

CUSTOMER Municipality of Leamington
 CONTACT Jason Charles, Supervisor
 Pollution Control Centre
 111 Erie St. N.
 Leamington, ON N8H 2Z9
 T: 519-326-5761 x4202
 E: jcharles@leamington.ca

EQUIPMENT DETAIL

PLANT ID Erie Street PS
 METER ID Erie Street PS
 FIT ID N/A
 CLIENT TAG N/A
 OTHER N/A
 GPS COORDINATES N42°01.726 W082°36.098

VER. BY - FM Charles Francisco

Quality Management Standards Information -
 Reference equipment and instrumentation used to
 conduct this verification test is found in our AC-
 QMS document at the time this test was
 conducted.

VERIFICATION DATE April 14th 2025
 CAL. FREQUENCY Annual
 CAL. DUE DATE April 2026

MAGFLO IDENTIFICATION

TAG No./NAME 0
 SENSOR CODE No. 7ME652
 SENSOR SERIAL NUMBER 040902H163
 TRANSMITTER CODE No. 7ME69202CA101AA0
 TRANSMITTER SERIAL NUMBER N1D2157693
 FUSE LOCATION N/A

SENSOR DETAIL

SIZE DN [mm] 150
 CAL. FACTOR 14.74263573
 CORRECTION FACTOR 1
 EXCITATION FREQ. [Hz] 7.5
 SERIAL NUMBER N1B4070001
 DEVICE NUMBER 206005
 SOFTWARE VERSION 1.4
 PC SOFTWARE VERSION 5.01

TRANSMITTER SETTINGS

BASIC		
Qmax	lps	50
FLOW DIR.		Positive
L.FLOW CUTOFF	%	1.50%
EMPTY PIPE		ON
OUTPUT		
CURRENT O/P	4-20	ON
TIME CONS.	secs.	5
RELAY O/P		Error Level
DIGITAL O/P		OFF
FREQ. RANGE		N/A
TIME CONS.		N/A
VOL/PULSE	USG/pulse	1
PULSE WIDTH	secs	0.066
POLARITY		Positive

QUALITY MANAGEMENT STANDARDS INFO.

[QMS] INFORMATION	IDENT.	ID #
[REFERENCE] FTS	VERIFICATOR	1
PROCESS METER	PM	0
ANALOG METER	AM	N/A
STOP WATCH	SW	N/A

TOTALIZERS

TOT.1 value before test	m3	1293244.50000
TOT.1 value after test	m3	1293244.62500
TOT.1 difference	m3	0.125
TOT.2 value before test	m3	273.0908814
TOT.2 value after test	m3	273.0908814
TOT.2 difference	m3	0
OPERATING TIME	DAYS	4156

RESULTS

VELOCITY	CURRENT OUTPUT			FREQUENCY OUTPUT		
	THEORETICAL	THEORETICAL	ACTUAL	DEVIATION	THEORETICAL	ACTUAL
m/s	mA	mA	%	kHz	kHz	%
0.500	4.800	4.802	0.270	0.500	0.500	0.070
1.000	5.600	5.603	0.180	1.000	1.001	0.100
3.000	8.800	8.794	-0.120	3.000	2.997	-0.100

C1-C2 (ohms) 110
 C1-SCRN OPEN
 C2-SCRN OPEN

TRANSMITTER PASSED
 SENSOR - INSTALLATION PASSED
 SENSOR - MAGNETIC CIRCUIT PASSED

COMMENTS

The information found in this report is reflective based on the use of the manufacturers MAGFLO Vericator conforming to their suggested operational practices. The vericator interrogates the transmitter, insulation and flow tube magnetism circuit. These tests verify that the flow meter is functional within 2% deviation of the original manufactured test results.

SIEMENS
MAGFLO
RESULT PASS

CLIENT DETAIL

CUSTOMER Municipality of Leamington
 CONTACT Jason Charles, Supervisor
 Pollution Control Centre
 111 Erie St. N.
 Leamington, ON N8H 2Z9
 T: 519-326-5761 x4202
 E: jcharles@leamington.ca

EQUIPMENT DETAIL

PLANT ID Cherry Lane PS
 METER ID Cherry Lane PS
 FIT ID CHLSPS_FIT1
 CLIENT TAG N/A
 OTHER N/A
 GPS COORDINATES N42°01.726 W082°36.098

VER. BY - FM Charles Francisco

Quality Management Standards Information -
 Reference equipment and instrumentation used to
 conduct this verification test is found in our AC-
 QMS document at the time this test was
 conducted.

VERIFICATION DATE April 14th 2025
 CAL. FREQUENCY Annual
 CAL. DUE DATE April 2026

MAGFLO IDENTIFICATION

TAG No./NAME 0
 SENSOR CODE No. 7ME652
 SENSOR SERIAL NUMBER PBD-R8214514
 TRANSMITTER CODE No. 7ME69102CA101AA0
 TRANSMITTER SERIAL NUMBER N1R7100111
 FUSE LOCATION N/A

SENSOR DETAIL

SIZE DN [mm] 150
 CAL. FACTOR 14.67015266
 CORRECTION FACTOR 1
 EXCITATION FREQ. [Hz] 7.5
 SERIAL NUMBER N1B4070001
 DEVICE NUMBER 206005
 SOFTWARE VERSION 1.4
 PC SOFTWARE VERSION 5.01

TRANSMITTER SETTINGS

BASIC		
Qmax	lps	50
FLOW DIR.		Positive
L.FLOW CUTOFF	%	1.50%
EMPTY PIPE		ON
OUTPUT		
CURRENT O/P	4-20	OFF
TIME CONS.	secs.	5
RELAY O/P		Error Level
DIGITAL O/P		Pulse
FREQ. RANGE		N/A
TIME CONS.		N/A
VOL/PULSE	USG/pulse	1
PULSE WIDTH	secs	0.066
POLARITY		Positive

QUALITY MANAGEMENT STANDARDS INFO.

[QMS] INFORMATION	IDENT.	ID #
[REFERENCE] FTS	VERIFICATOR	1
PROCESS METER	PM	0
ANALOG METER	AM	N/A
STOP WATCH	SW	N/A

TOTALIZERS

TOT.1 value before test	m3	110780.17188
TOT.1 value after test	m3	110780.20313
TOT.1 difference	m3	0.03125
TOT.2 value before test	m3	33.60499191
TOT.2 value after test	m3	33.60499191
TOT.2 difference	m3	0
OPERATING TIME	DAYS	502

RESULTS

VELOCITY THEORETICAL	CURRENT OUTPUT			FREQUENCY OUTPUT		
	THEORETICAL	ACTUAL	DEVIATION	THEORETICAL	ACTUAL	DEVIATION
m/s	mA	mA	%	kHz	kHz	%
0.500	4.800	4.799	-0.120	0.500	0.500	0.040
1.000	5.600	5.598	-0.140	1.000	1.000	0.000
3.000	8.800	8.796	-0.090	3.000	3.001	0.040

C1-C2 (ohms) 108.9
 C1-SCRN OPEN
 C2-SCRN OPEN

TRANSMITTER PASSED
 SENSOR - INSTALLATION PASSED
 SENSOR - MAGNETIC CIRCUIT PASSED

COMMENTS

The information found in this report is reflective based on the use of the manufacturers MAGFLO Vericator conforming to their suggested operational practices. The vericator interrogates the transmitter, insulation and flow tube magnetism circuit. These tests verify that the flow meter is functional within 2% deviation of the original manufactured test results.



MAINTENANCE LOG

LEAMINGTON-CSO-1

All level measurements in [mm]. All velocity measurements in [m/s].

Date / Time	Work Type	Level Confirmation					Velocity Confirmation			Silt Level	Comments
		Manual	Meter		% Error		Manual	Meter	Difference		
2025-04-01 13:40	VERIFICATION	285	286								Depths match Meter.
2025-05-01 14:25	MAINTENANCE										We connected to the ECHO, collected data, and reactivated it. During our visit, it started to rain, and heavy thunderstorms were forecast. I tried everything I could to get the Echo to push to FW, but no matter what we did, it still failed to push. This could be related to the weather, as the storm was very severe. If we don't recover telemetry after this weekend, we must send a crew back to check on the ECHO.
2025-05-06 13:43	MAINTENANCE	267									Data was collected as requested. I tried several antennas and SIM cards, reset the Echo, and even created a new LIF for this site, but telemetry still shows 0 dB. The unit is working flawlessly. However, will it not push telemetry? We may need to replace this unit if telemetry is required. Perhaps the connection in the area is down. I left a different SIM card in 41778. Now ECHO is at least reading correct data; however, without telemetry pushing to FW.
2025-05-13 14:24	MAINTENANCE										The battery was 8.1V. We can leave this battery for now. The unit needs to be replaced. We replaced the antenna and changed the link path IP to match the SIM IP, but it still would not go into session. Turned off daylight savings and changed the time zone to Eastern. Data will be sent via EOD.



MAINTENANCE LOG LEAMINGTON-CSO-1

All level measurements in [mm]. All velocity measurements in [m/s].

2025-05-21 14:35	MAINTENANCE	250										<p>We replaced the client ECHO with a temporary client after determining it was experiencing antenna connection issues. After switching to the temporary ECHO using the same SIM card as the client ECHO, the SIM went online and pushed to FlowWorks. We were also able to collect all data from the client ECHO. It started raining heavily on the equipment, and we couldn't maintain a stable connection to confirm the numbers. However, before the rain started, we confirmed that the flow at 2:30 pm was 250 mm; by 3:05 pm, during the storm, it had risen to 400 mm. The first measurement was used in the in-depth section.</p>
2025-06-12 15:45	MAINTENANCE											<p>Data was collected as requested. Reactivated the meter. Created a new LIF file. Trying to use four different meters in this area, all of which show 1 decibel as a telemetry signal. No matter what we tried, the SIM card would stay in session but not push to FW.</p> <p>The meter works perfectly with the data. It does not appear to be a meter issue. All the meters that I brought from the office were reading 1 decibel, which is very unusual, especially for Leamington.</p> <p>The operator with us mentioned that they also lost telemetry connectivity at their office on June 5th due to Bell's transition from 3G LTE to 5G in Leamington. However, they recovered their telemetry connection, but we still have not.</p>
2025-09-18 12:10	MAINTENANCE	242										<p>Echo was slightly off level. Entrant adjusted position, manual measurements match sensor readings.</p>



MAINTENANCE LOG

LEAMINGTON-CSO-2/3

All level measurements in [mm]. All velocity measurements in [m/s].

Date/ Time	Work Type	Level Confirmation				Velocity Confirmation			Silt Level	Comments
		Manual	Meter		% Error	Manual	Meter	Difference		
2025-04-01 12:42	VERIFICATION	0	27	0						The pipe was dry
2025-05-01 13:02	MAINTENANCE	0	28	5						We swapped the sensor and meter. Meter 48550, which was left at the shop, had a bad battery and would not push telemetry. We installed a new meter. Sim went into the session and finally pushed FW after a long time. The pipe was dry during our sensor swap. All negative readings have disappeared, and the sensor readings default to values expected for a dry pipe.
2025-05-21 12:50	MAINTENANCE			2					0	The time zone was already set on the meter with daylight saving time deactivated. Pipe is damp but has no flow during the visit.
2025-06-12 14:56	MAINTENANCE									Data was collected as requested. Reactivated the meter. Created a new LIF file. Tried using four different meters in this area, all of which show 1 decibel as a telemetry signal. No matter what we tried, the SIM card would stay in session but not push to FW. The operator with us mentioned that they also lost telemetry connectivity at their office on June 5th due to Bell's transition from 3G LTE to 5G in Leamington. However, they recovered their telemetry connection, but we still have not.



MAINTENANCE LOG

LEAMINGTON-CSO-2/3

All level measurements in [mm]. All velocity measurements in [m/s].

2025-08-07 14:20	MAINTENANCE											Since CSO 7 is currently unknown, I decided to use the paid duty officers to visit and maintain the site, even though it was not scheduled for maintenance. Since we booked the office for four hours, we had extra time left. It makes sense to use the resources we paid for. Site verified. All manual measurements match meter readings, and the pipe is dry—no equipment issues.
2025-09-18 13:47	MAINTENANCE			1							0	Swapped out the FMX-owned meter with a brand-new client meter. Meter also seems to have stopped collecting due to power issues on Aug 24th. SIM card from the old meter used in the new Client meter. Waited on site for the meter to push before leaving. Pipe dry during visit.



MAINTENANCE LOG LEAMINGTON-CSO-4

All level measurements in [mm]. All velocity measurements in [m/s].

Date/ Time	Work Type	Level Confirmation					Velocity Confirmation			Silt Level	Comments
		Manual	Meter		% Error	Manual	Meter	Difference			
2025-04-01 12:52	VERIFICATION	0	0								The pipe was dry
2025-04-10 15:21	MAINTENANCE										Adjusted ECHO position. It is now centred and reading correctly. The pipe is dry.
2025-05-06 15:45	MAINTENANCE										The Echo was off level, as noted in the WO. I have fixed it. Back to its original location. There are no issues with equipment. The Sim is in session, pushing to FW.
2025-05-13 11:24	MAINTENANCE										Swapped battery.
2025-05-21 12:27	VERIFICATION	0	0	0							Daylight saving time was deactivated. Overflow was dry. ECHO offset was reset.
2025-06-12 16:05	MAINTENANCE										<p>Data was collected as requested. Reactivated the meter. Created a new LIF file. Trying to use four different meters in this area, all of which show 1 decibel as a telemetry signal. No matter what we tried, the SIM card would stay in session but not push to FW.</p> <p>The meter works perfectly with data. It does not appear to be a meter issue. All the meters that I brought from the office were reading 1 decibel, which is very unusual, especially for Leamington.</p> <p>The operator with us mentioned that they also lost telemetry connectivity at their office on June 5th due to Bell's transition from 3G LTE to 5G in Leamington. However, they recovered their telemetry connection, but we still have not.</p> <p>After spending some time at this telemetry, decibels fluctuated from 1 decibel to 58. Meters have no issues going into session, but have problems pushing to FW.</p>



MAINTENANCE LOG LEAMINGTON-CSO-4

All level measurements in [mm]. All velocity measurements in [m/s].

2025-08-07 11:30:00	MAINTENANCE	0	0								No equipment in Leamington is damaged. This all seems like a Bell issue.
2025-11-26 13:37	MAINTENANCE	3									We had to come back here because an event was initially scheduled next to the chamber. Echo was off level. We re-evaluated the echo, and the measurements are back to normal—no equipment issues. Pipe is dry.
2025-12-09 12:47	MAINTENANCE										Battery swapped, ECHO reading accurate data. Pipe is dry—no issues with equipment. Sim is in session, and the echo is working correctly.
											The antenna was damaged; I replaced it and collected data.



MAINTENANCE LOG

LEAMINGTON-CSO-5

All level measurements in [mm]. All velocity measurements in [m/s].

Date/ Time	Work Type	Level Confirmation					Velocity Confirmation			Silt Level	Comments
		Manual	Meter		% Error		Manual	Meter	Difference		
2025-04-01 13:17	VERIFICATION and MAINTENANCE	4	28	4							The battery was swapped at 6.4V. Depths match pressure. The pipe is nearly dry, with a flow rate of 0.07 m/s. The missing data. However, we reactivated the meter. And installed a new battery. The meter is now in Session pushing to FW and collecting data as usual.
2025-07-15 12:00	MAINTENANCE		24								Swapped battery at 6.5V. Sensor cleaned. Pipe is dry. Pic attached.
2025-08-07 11:05	MAINTENANCE		26	6							The sensor had debris on it. Removed debris; p depth is now positive—no issues with equipment. Sim is in a session pushing to FW. Pipe is dry.
2025-09-18 12:21	VERIFICATION	9	28	8							Dry pipe. Cleaned the sensor.
2025-12-09 12:47	MAINTENANCE			11							Pipe is dry. The desiccant was saturated, which may have caused the depth drift. Site verified.



MAINTENANCE LOG LEAMINGTON-CSO-6

All level measurements in [mm]. All velocity measurements in [m/s].

Date/ Time	Work Type	Level Confirmation				Velocity Confirmation			Silt Level	Comments
		Manual	Meter		% Error	Manual	Meter	Difference		
2025-04-01 1:07 PM	MAINTENANCE	4	25	4						The battery was swapped at 6.4V. Depths match pressure. The pipe is nearly dry, with a flow rate of 0.07 m/s.
2025-05-21 11:55	MAINTENANCE		26	3					0	Daylight saving time deactivated. Pipe dry
2025-06-12 14:42	MAINTENANCE									Data was collected as requested. Reactivated the meter. Created a new LIF file. Tried using four different meters in this area, all of which show 1 decibel as a telemetry signal. No matter what we tried, the SIM card would stay in session but not push to FW. The meter works perfectly regarding data. It does not appear to be a meter issue. All the meters that I brought from the office were reading 1 decibel, which is very unusual, especially for Leamington. The operator with us mentioned that they also lost telemetry connectivity at their office on June 5th due to Bell's transition from 3G LTE to 5G in Leamington. However, they recovered their telemetry connection, but we still have not.
2025-07-15 12:11	MAINTENANCE		27							The pipe is dry, which is why the pressure is between 0 and 2mm. Pic is attached.
2025-09-18 11:48	MAINTENANCE		26	1					0	Pipe dry. Desiccant swapped.
2025-12-09 12:47	MAINTENANCE		25	3						Pipe is dry. Verified the site. An old desiccant likely causes p-depth drift. Desiccant was swapped.



MAINTENANCE LOG

LEAMINGTON-CSO-7

All level measurements in [mm]. All velocity measurements in [m/s].

Date/ Time	Work Type	Level Confirmation					Velocity Confirmation			Silt Level	Comments
		Manual	Meter		% Error	Manual	Meter	Difference			
2025-04-01 12:15	MAINTENANCE	54	56								Swapped battery with a used one (8.2v). Depths match measurements.
2025-05-01 12:24	MAINTENANCE	50	54								Battery swapped as requested.
2025-05-21 12:31	MAINTENANCE	59							0		ECHO monitor time off by an hour. Reactivated to sync with the current connection time. Depths matchings
2025-08-07 13:09	MAINTENANCE										<p>A significant construction project is underway on the road. The manhole housing our equipment appears to be buried in gravel. We tried to dig it to confirm the manhole lid was not covered. However, this gravel is very compacted. There is also a fresh square-cutout in the road around the manhole, indicating recent chamber work.</p> <p>The manhole is inaccessible; we did not even see a manhole lid, and we stopped digging because it started to feel like we were compromising the work around the manhole. I also noticed this has been done to every manhole down the road that was recently under construction.</p> <p>Based on the echo's most recent readings, it appears the echo was removed manually, and then the antenna was cut out, as indicated by the square cutout around the lid. Usually, when you lose telemetry, you don't see massive spikes. LRD shows a spike in data when the equipment is removed manually while it's still pushing.</p> <p>An image showing the manhole lid location is attached.</p>
2025-09-18 12:32	MAINTENANCE	51							0		ECHO gradually lost connection and eventually lost power completely, even though the battery was at 8.0 (nearly complete). ECHO may need a new battery and/or fuse, but ECHO itself may be damaged from the construction in recent months



MAINTENANCE LOG

LEAMINGTON-CSO-7

All level measurements in [mm]. All velocity measurements in [m/s].

2025-10-09 12:55	MAINTENANCE	50	46	48	8	4	0.6	0.6	0	Could the bot resolve the telemetry issue with ECHO on-site? Installed Triton meter and AV max to collect and push data. The meter was verified, and data was successfully transferred to FlowWorks.
2025-11-26 13:09	MAINTENANCE	45								Very harsh working conditions due to the weather. Powerful winds during our visit made work difficult. The peak sensor and meter are removed and deactivated. Installed new ECHO as requested. ECHO is a calibrated, site-verified. Sim is in session and pushing to FW.

Appendix D
2025 Pump Station Work Orders and Clean Out Tracking



2025 Pump Station Cleanouts

Date	Pump Station Cleaned
25-Mar-25	Sturgeon Meadows
26-Mar-25	Erie Street South
	Erie Shores
	Sandy Lakes
	Malibu
08-Apr-25	Wilousa
03-Jul-25	Sturgeon Meadows
	Leamington Mall
	Erie Glen
09-Jul-25	Sandy Lakes
	Cherry Lane
25-Nov-25	Seacliff Beach
	Pelee Bevel 4
	Pelee Bevel 3
26-Nov-25	Bevel Villages
	Pelee Bevel 1
	Pelee Bevel 2
	Cherry Lane

Work History Report

Date Range: 1-1-1753 - 12-31-9999

WO# 521 Date Completed 4-3-2025 Completed By
 Work Type Scheduled Work Priority Low
 Equipment PS-ALL - All Pumping Stations
 Task PS-WKLY-INSP Weekly Pump Station Inspection

Task Instructions

The following tasks are to complete building water pipe and valve inspections.

If you are unsure of the tasks or specific safety requirement(s), discuss with your Supervisor and JHSC (for safety related items) first. Follow all Plant SOPs. Lockout equipment where required. Any comments shall be noted on the Work Order. Sign and date once the tasks are completed.

- Blank Weekly Pump Station Inspection sheets can be found in the Plant Data folder.
- Confined Space procedures and policies must be followed. Portable gas detector required to test spaces before continuing inspections
- Notify Plant Operator or Administration staff before testing the alarms.
 - Where possible, have Security One call you with the alarm, or carry the Plant Operator/On Call Phone phone.
 - Alarms text to the Plant Operator/ On Call Phone within the first 5 minutes of activation, after 5 minutes the alarms go to Security One and they will call following the contact list.

To complete the inspection for all pumping stations:

1. Review eRIS Weekly Pump Station report to view hours to identify any issues with run times.
 - Check for any pump station issues as noted in the WW Collection Logbook.
2. Inspect operation of all float balls to ensure they are not tangled or full of debris that would affect operation.
 - All floats should always physically checked each week to be free of buildup to prevent false alarms or improper pump operation that would cause them to run excessively.
 - Activate all float ball alarms and verify they are activated properly on the Plant SCADA and through Security One.
4. Record all pump hours.
5. Inspect wet well and observe for excessive buildup from grease or debris.
 - Clean out of wet well should be scheduled as needed.
6. Where equipped, rotate the duty pumps.
7. Where equipped, checked the Metering Chamber for excessive leaks or other concerns.
 - Test metering chamber floats where equipped.
8. Test run each pump.
 - Where equipped, note the flow of the pump through the flowmeter.
 - While pump is in operation, check for anything unusual that may need further inspection.
9. After inspection, ensure all pumps are returned to Auto as able and any alarms are reset at the station or on SCADA.
10. Ensure all lids, control panels, doors, and fencing are locked and secured.
11. Once completed, enter pump hours into spreadsheet and verify that they look to be running normally.
 - Any pumps with unusual run hours should be investigated further to avoid damages.

Completed Notes

Labor

Class	Account	Employee	Est. Hours	Actual Hours	Cost
SO - Spare Operator or as A	Facility Maintenance		6.00		\$0.00
MM - Maintenance Mechani	Facility Maintenance		6.00		\$0.00
Labor Total					\$0.00
WO # 521 Total					\$0.00

Work History Report

Date Range: 1-1-1753 - 12-31-9999

WO# 177 Date Completed 3-19-2025 Completed By
 Work Type Scheduled Work Priority Moderate
 Equipment PS-ALL - All Pumping Stations
 Task PS-YRLY-PM Pump Station Yearly Valve Preventative Maintenance - Non Entry

Task Instructions

Follow the tasks outlined below to complete the Pump Station valve maintenance..

If you are unsure of the tasks or specific safety requirement(s), discuss with your Supervisor and JHSC (for safety related items) first. Follow all Plant SOPs. Lockout equipment where required. Any comments shall be noted on the Work Order. Sign and date once the tasks are completed.

- Refer to the operating manual for the equipment as needed for maintenance, general information, and troubleshooting tips.
- Valve key is needed to operate valves.
- Refer to drawings for stations with Metering Chambers and multiple isolation valves.
- Refer to drawings for Sandy Lakes and Sturgeon Meadows Pump Stations.
 - Exercise the bypass valves located in the ground, not inside the wet well.

To complete the valve preventative maintenance:

1. Turn off and lockout pumps to prevent cycling of the motor while exercising the valve.
2. Remove the recessed valve caps on to expose the valve stems:
 - Valve cover may need to be cleaned to remove.
 - Once removed, clean out debris.
3. For stations with metering pits:
 - Close the valves downstream of flowmeter or check valve first.
 - Close the valves closest to the wet well second.
 - Open the bypass line valve.
 - Close the bypass line valve.
 - Open the valves closest to the wet well.
 - Open the valves downstream of the flowmeter or check valve last.
4. Reinstall the valve cap.
5. Return the pumps to service.

Check once completed for:

	Wilousa	Pelee 1	Pelee 2	Pelee 3	Pelee 4	Cherry Lane	Bevel Village	Sandy Lake	Sturgeon
# Valves	2	5	5	5	5	5	2	2	2
Completed									

Note: Pelee 3 and 4 are quarter turn valves.

Completed Notes

Labor

Class	Account	Employee	Est. Hours	Actual Hours	Cost
ASP - Assistant Plant Operat	Preventative Maintenance		3.00		\$0.00

Work History Report

Date Range: 1-1-1753 - 12-31-9999

WO# 468 Date Completed 3-21-2025 Completed By

Work Type Scheduled Work Priority Low

Equipment PS-PBSPS-ALL-GEN - Pelee 1-4 Standby Generators

Task PS-WKLY-INSP Pelee PS Weekly Generator Inspections

Task Instructions

The following tasks are to complete inspections of the Pelee Pump Station Generators (Pelee PS #1 through 4).

If you are unsure of the tasks or specific safety requirement(s), discuss with your Supervisor and JHSC (for safety related items) first. Follow all Plant SOPs. Lockout equipment where required. Any comments shall be noted on the Work Order. Sign and date once the tasks are completed.

- Refer to the operating manual for the equipment as needed maintenance, general information, and troubleshooting tips.
- Perform weekly inspection on Generator as per the Weekly Generator Inspection Checklist for Pelee Pump Stations 1 - 4.
- Inspection sheets can be found under the Work Order Templates folder in Plant Data.
- Generator Inspections and Test runs should be completed during Weekly Pump Station Inspections.
- Once completed, ensure Generator is returned to 'Auto' for regular duty.
- Any deficiencies or repairs must be taken care immediately to avoid issues with emergency power.
 - Contact necessary contractor to complete repairs or troubleshoot issues that cannot be addressed.
 - If there are any deficiencies that would affect engine operation, do not test run until they are fixed.

Record the following during the inspection:

	Fuel Level	Run Hours
Pelee 1		
Pelee 2		
Pelee 3		
Pelee 4		

Completed Notes

Labor

Class	Account	Employee	Est. Hours	Actual Hours	Cost
SO - Spare Operator or as A	Facility Maintenance		1.50		\$0.00
Labor Total					\$0.00
WO # 468 Total					\$0.00
Report Total					\$0.00

Work History Report

Date Range: 1-1-1753 - 12-31-9999

WO# 500 Date Completed 3-24-2025 Completed By
 Work Type Scheduled Work Priority Moderate
 Equipment PS-PBSPS-ALL-GEN - Pelee 1-4 Standby Generators
 Task PS-M-INSP&TR Monthly Pelee 1- 4 Generator Inspection and Test Run

Task Instructions

The following tasks are to complete inspections and test run for all Pelee Pump Station Generators (Pelee PS #1-4)

If you are unsure of the tasks or specific safety requirement(s), discuss with your Supervisor and JHSC (for safety related items) first. Follow all Plant SOPs. Lockout equipment where required. Any comments shall be noted on the Work Order. Sign and date once the tasks are completed.

- Refer to the operating manual for the equipment as needed maintenance, general information, and troubleshooting tips.
- Complete the Weekly Generator Inspection Checklist before initiating the Monthly Test Run.
- Inspection sheets can be found under the Work Order Templates folder in Plant Data.
- Generator Inspections and Test runs should be completed during Weekly Pump Station Inspections.
- Test running of generator can only be done between 7 a.m. to 7 p.m.
- Keys for generator are at pumping station.
- Safety glasses and hearing protection are also required.
- Any deficiencies or repairs must be taken care immediately to avoid issues with emergency power.
 - Contact necessary contractor to complete repairs or troubleshoot issues that cannot be addressed.
 - If there are any deficiencies that would affect engine operation, do not test run until they are fixed.

To initiate a test run on each generator after inspection is completed:

1. At the pump control panel, turn the 'Generator Test' switch to 'Test'.
2. Generator will start up.
 - You might here a 'clunking' sound from the Transfer Switch changing to Emergency power from Generator.
3. After the test run time is completed, switch the 'Generator Test' switch to 'Normal'.
4. Generator will go into cool down mode and shut off once it 'syncs' back to Utility power.
 - You might here a 'clunking' sound from the Transfer Switch changing to Emergency power from Generator.
 - The changeover back to Utility power can take 10-15 minutes.
5. Generator will shut off after the preset cooldown.
6. Lock up station panels and Generator once completed.
7. Clear any and all alarms at the Local Pump Panel and on SCADA.

To record data for the test run on the Decision Maker 550 (inside Generator Housing):

1. Go to the keypad menu.
2. Select menu 1.
3. Scroll down until you get the Generator run data.

To record data for the test run on the Decision Maker 3000:

1. Turn the dial/knob
 - when turned will cursor through the parameters until you get to the generator data.

Completed Notes

Labor

Class	Account	Employee	Est. Hours	Actual Hours	Cost
SO - Spare Operator or as A	Facility Maintenance		3.00		\$0.00
Labor Total					\$0.00
WO # 500 Total					\$0.00

Work History Report

Date Range: 1-1-1753 - 12-31-9999

WO# 270 Date Completed 2-22-2025 Completed By

Work Type Scheduled Work Priority Moderate

Equipment PS-MAL - Mall Pumping Station

Task PS-4M-INSP Mall Pumping Station 3 Month Inspection

Task Instructions

The following tasks are to complete the quarterly inspection of the Mall Pumping Station.

If you are unsure of the tasks or specific safety requirement(s), discuss with your Supervisor and JHSC (for safety related items) first. Follow all Plant SOPs. Lockout equipment where required. Any comments shall be noted on the Work Order. Sign and date once the tasks are completed.

- Refer to the operating manual for the equipment as needed for maintenance, general information, and troubleshooting tips.
- Pumping station entry into dry well is required, you will need to follow Confined Space policy and procedures.
- Lockout/Tagout as required.

To complete the inspection:

1. Test out lighting before entry.
 - Repair as needed.
2. Check operation and grease check valve if equipped with fittings.
3. Manually close all valves and open back up to exercises valve stems.
4. Check each seal filter for each pump.
 - Inspect each seal and replace filter as necessary.
5. Test run each pump.
 - Check for smooth operation.
 - Record vibration readings of motor bearings.
6. Test out operation of dry well sump pump.
7. Check demudifier for operation.
8. Lock up station and ensure pumps are in Auto.

Vibration readings (note units of measurements on work order);

Vibration	Pump 1	Pump 2
Drive End		
Non Drive End		

Completed Notes

Labor

Class	Account	Employee	Est. Hours	Actual Hours	Cost
MM - Maintenance Mechani	Facility Maintenance		2.00		\$0.00
SO - Spare Operator or as A	Facility Maintenance		2.00		\$0.00
ASP - Assistant Plant Operat	Facility Maintenance		2.00		\$0.00
Labor Total					\$0.00
WO # 270 Total					\$0.00

Work History Report

Date Range: 1-1-1753 - 12-31-9999

WO# 1723 Date Completed 10-23-2025 Completed By tlaybolt

Work Type Scheduled Work Priority Moderate

Equipment PS-MAL - Mall Pumping Station

Task PS-YRLY-LUBR Yearly Mall Pumping Station Motor Greasing

Task Instructions

The following tasks are to complete the yearly motor greasing at the Mall Pumping Station

If you are unsure of the tasks or specific safety requirement(s), discuss with your Supervisor and JHSC (for safety related items) first. Follow all Plant SOPs. Lockout equipment where required. Any comments shall be noted on the Work Order. Sign and date once the tasks are completed.

- Refer to the operating manual for the equipment as needed for maintenance, general information, and troubleshooting tips.
- Pumping station entry into dry well is required, you will need to follow Confined Space policy and procedures.
- Lockout/Tagout as required.
- Use a lithium based, general purpose Grade 2 grease.

To complete the lubrication:

1. Clean the greasing fitting and the pressure relief fitting (if equipped).
2. Slowly apply 1 to 2 shots of grease or until you see grease come out of the relief fitting.
 - If there is no relief fitting, remove the grease drain and then run the motor for up to 10 minutes before replacing the plug.
 - Excessive grease pressure may damage bearing shield.
 - Excessive grease may cause overheating or bearing failure.
 - Excessive grease can be forced into motor housing and collect on the winding.

Check once completed for:

Pump 1		Pump 2	
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Completed Notes

Labor

Class	Account	Employee	Est. Hours	Actual Hours	Cost
MM - Maintenance Mechanic	Oil and Lubrication Maintenance		2.00		\$0.00
ASP - Assistant Plant Operator or as Assigned	Oil and Lubrication Maintenance		2.00		\$0.00
DPF - Days Plant Floater or as Assigned	Oil and Lubrication Maintenance		2.00		\$0.00
Labor Total					\$0.00
WO # 1723 Total					\$0.00
Report Total					\$0.00

Appendix E
2025 Flushing Program

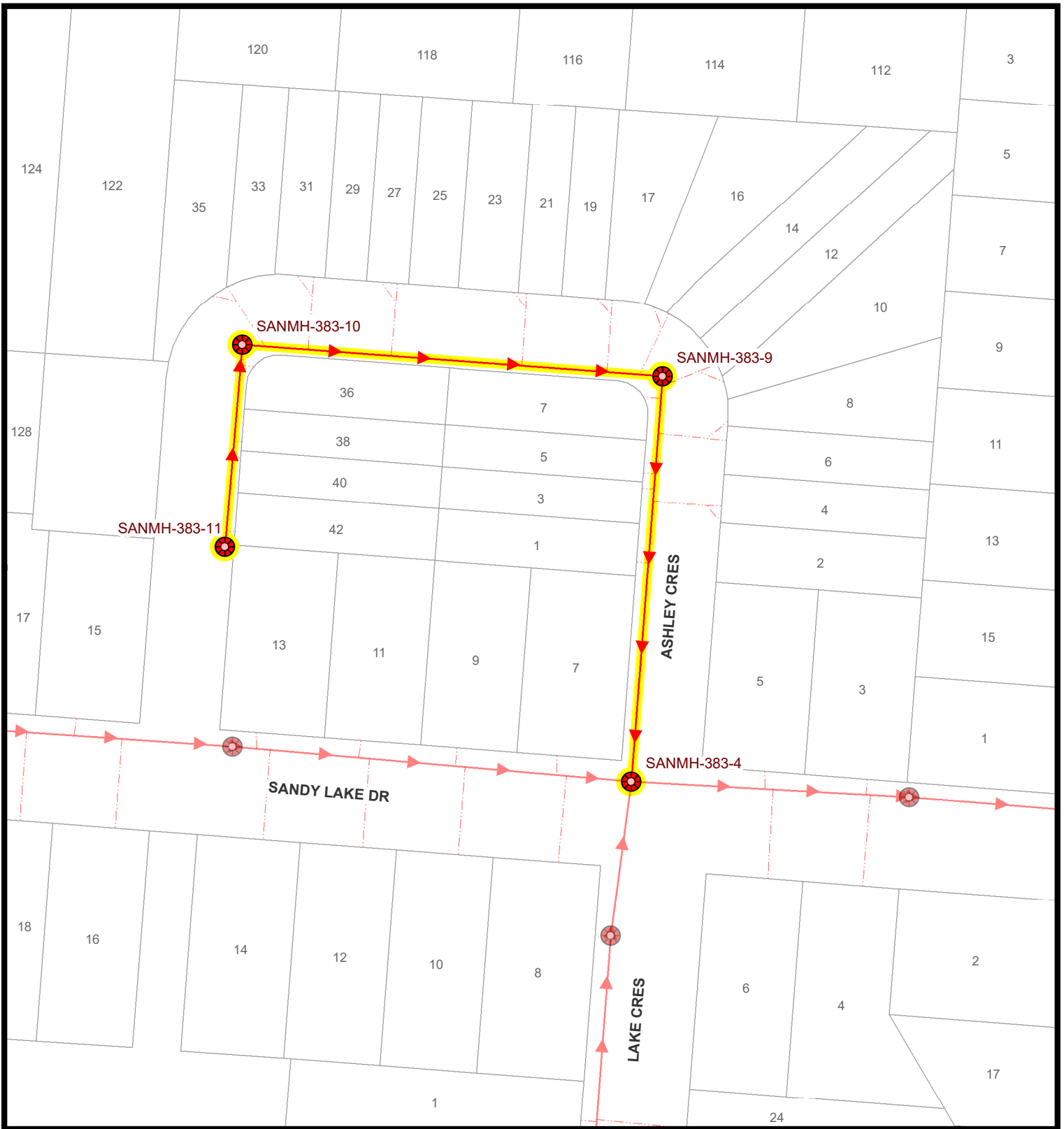


2025 Sanitary/Combined Sewer Flushing

Date	Location	Issue/Resolution	Sewer Type
various	3 month sewer flushing	Refer to mapping	COMB/SAN
various	6 month sewer flushing	Refer to mapping	COMB/SAN
various	Annual Flushing	Refer to mapping	COMB/SAN
09-Jan-25	3 Fox St	Eel and flush line clear to main, minor root infiltration	COMB
31-Jan-25	4 Bruce	Laterals flushed as they are full of debris	SAN
09-Apr-25	76 Askew	Flushed lateral line from property to main, lateral was full of dirt	SAN
14-May-25	Queen St	Flushed mainline sewer to allow clear flow for construction that is in progress on Queen St.	COMB
22-May-25	51 Foundry St	Flushed lateral line to remove debris and roots	COMB
09-Jul-25	James, Maxon, Sherman	GFL in town flushing and CCTV for water main project	COMB
10-Jul-25	Max and Sherman	GFL in town flushing and CCTV for water main project	COMB
15-Jul-25	MD Bennie School	Line plugged with sticks and debris, site flushed and debris removed, lateral to be replaced with sewer separation project	COMB
30-Jul-25	Selkirk	Reflush Selkirk and flush/clean OGS and syphon on Danforth	COMB
01-Aug-25	Selkirk and Queen	Flush and investigate sinkhole	COMB
21-Oct-25	6 Kimball	Roots blocking flow were cut and flushed lateral lines	COMB
02-Dec-25	3 Maxon	PDC Flushing	COMB
02-Dec-25	64 Lutsch	PDC Flushing	SAN
02-Dec-25	40 Russell St	PDC Flushing	COMB
02-Dec-25	18 Cambridge	PDC Flushing	SAN
02-Dec-25	82 Malborough St E	PDC Flushing	COMB
02-Dec-25	76 Mill St E	PDC Flushing	COMB
02-Dec-25	38 Plumbrook	PDC Flushing	SAN
02-Dec-25	90 Danforth	PDC Flushing	COMB
02-Dec-25	103 Elliot St	PDC Flushing	COMB
02-Dec-25	31 Grave Ave	PDC Flushing	COMB
02-Dec-25	4 Bruce St	PDC Flushing	SAN

Sewer Flushing Area - Year 2 Street Listing

Anfred Street	Maynard Street
Beniuk Court	Mill Street East
Bowman Avenue	Montgomery Street
Briarwood Avenue	Nelson Street
Cambridge Crescent	Oak Street East
Camelot Avenue	Ontario Street
Clark Street East	Orange Street
Debergh Avenue	Princess Street
Elizabeth Crescent	Robinson Street
Erie Street North	Settingrington Street
Foundry Street	Sherwood Avenue
Gerrard Street	Sturgeon Meadows Avenue
Goslin Court	Talbot Street East
Hyatt Crescent	Victoria Avenue North
Ivan Street	Victoria Avenue South
King Street	Wellington Street
Longfield Lane	Whitney Avenue
Lucy Crescent	Whitwam Avenue
Lutsch Avenue	Wigle Street
Marborough Street East	Woodsit Avenue
Martin Drive	Worcester Street



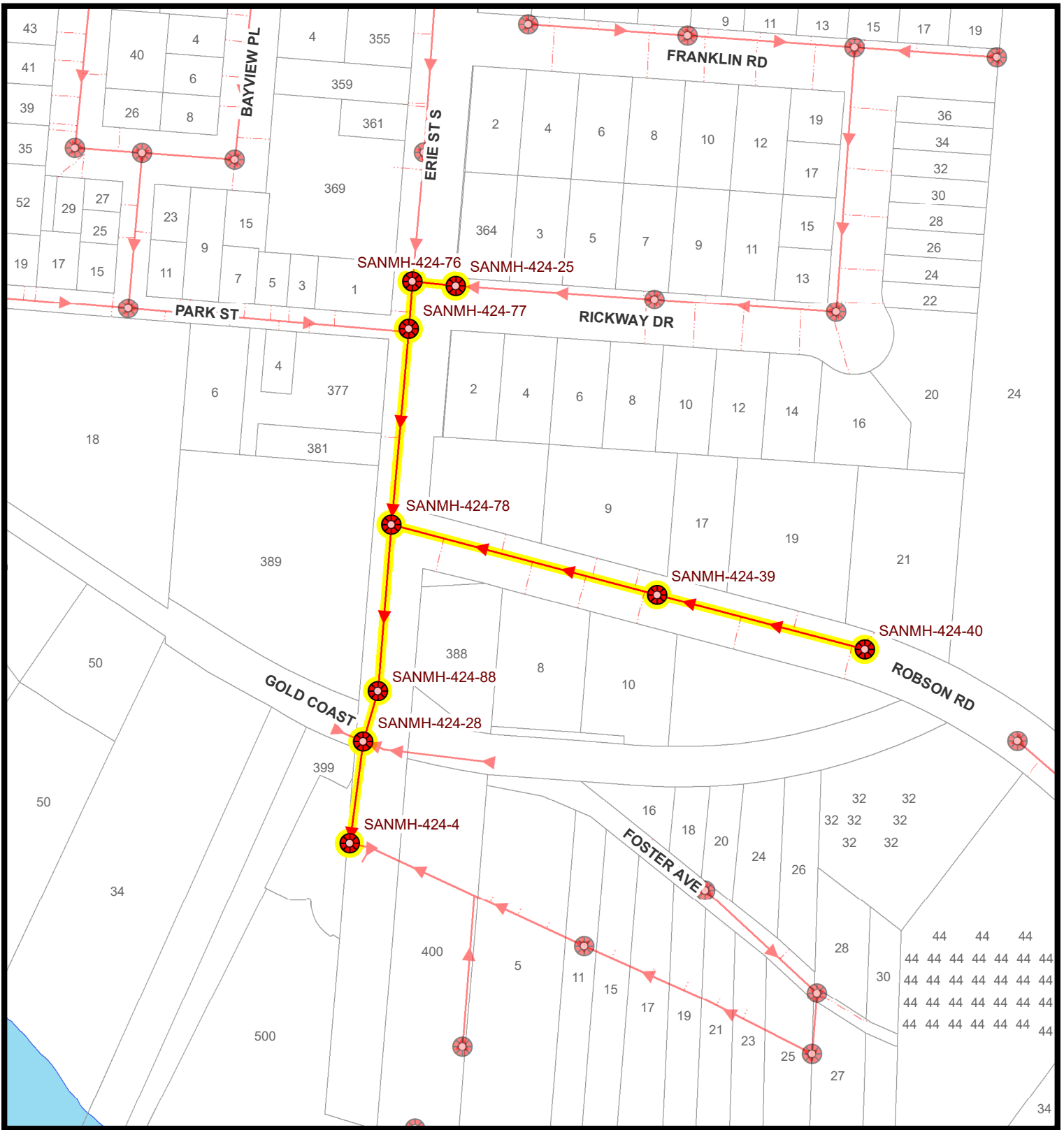
Legend

- Combination Manholes
- Sanitary Manholes
- Combination Mains
- Combination PDC
- Sanitary Mains
- Sanitary PDC
- Low Pressure Flush
- 3 Month Flush

Title: 3 Month Flushing Ashley Cres
approx. 195 m

	Scale: 1:1,000 0 10 20 40 Meters
	Prepared For: Eng Date: November 06, 2023
Prepared By: GIS Services	File No: N/A
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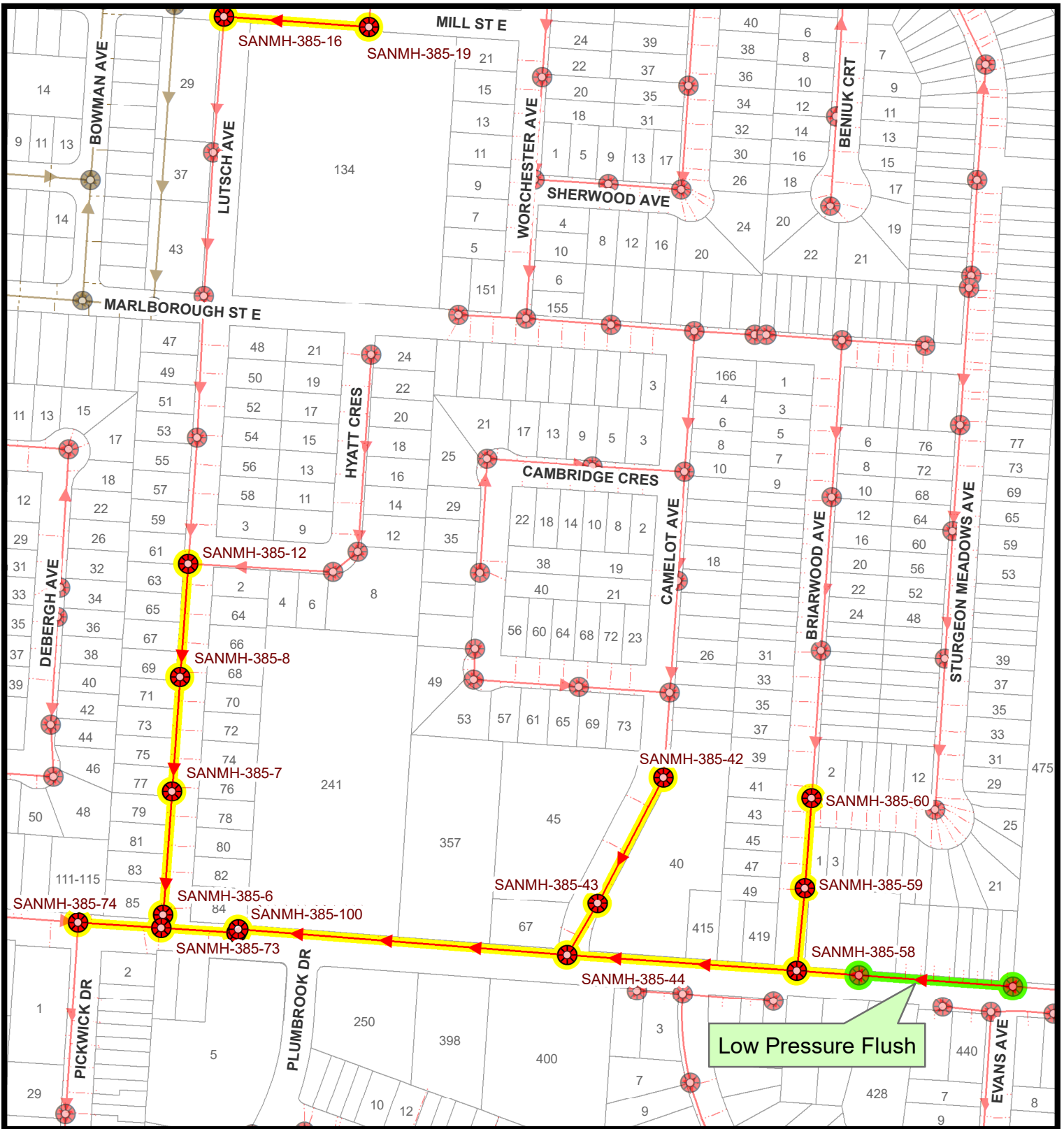


Legend

- Combination Manholes
- Sanitary Manholes
- Combination Mains
- Combination PDC
- Sanitary Mains
- Sanitary PDC
- Low Pressure Flush
- 3 Month Flush


**Title: 3 Month Flushing Erie St S / Robson Rd
approx. 415.9 m**

	Scale: 1:2,000	
	Prepared For: Eng	Date: November 06, 2023
Prepared By: GIS Services	File No: N/A	
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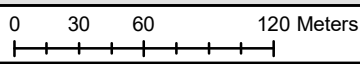
Legend

- Combination Manholes
- Sanitary Manholes
- Combination Mains
- Combination PDC
- Sanitary Mains
- Sanitary PDC
- Low Pressure Flush
- 3 Month Flush



3 Month Flushing Oak St E / Briarwood / Lutsch Ave
 Title: approx. 1207.8 m

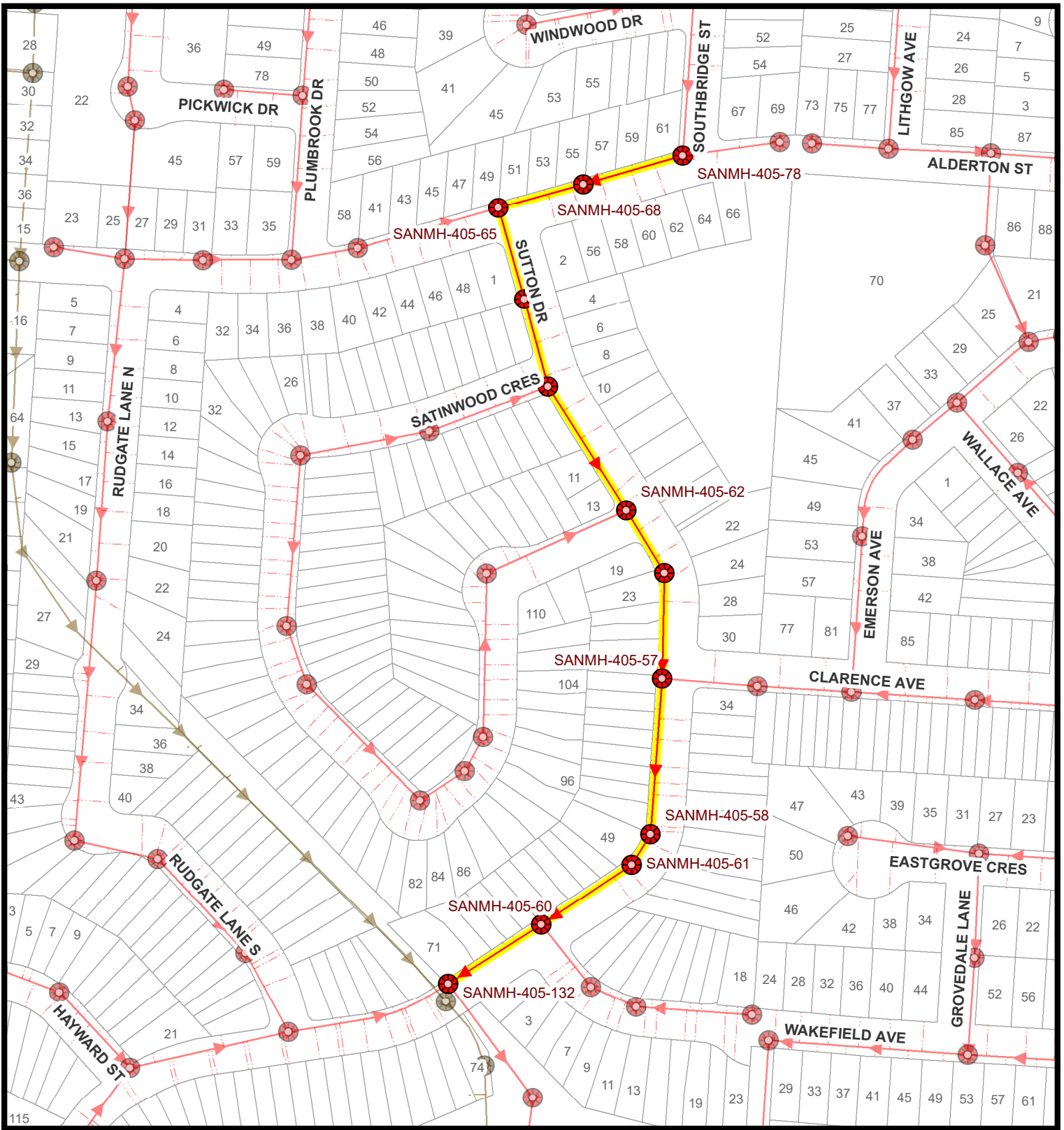


Scale: 1:3,500 








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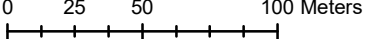
Legend

-  Combination Manholes
-  Sanitary Manholes
-  Combination Mains
-  Combination PDC
-  Sanitary Mains
-  Sanitary PDC
-  Sanitary Mains



Title: 6 Month Flushing Alderton / Sutton approx. 589.6 m



Scale: 1:2,800 

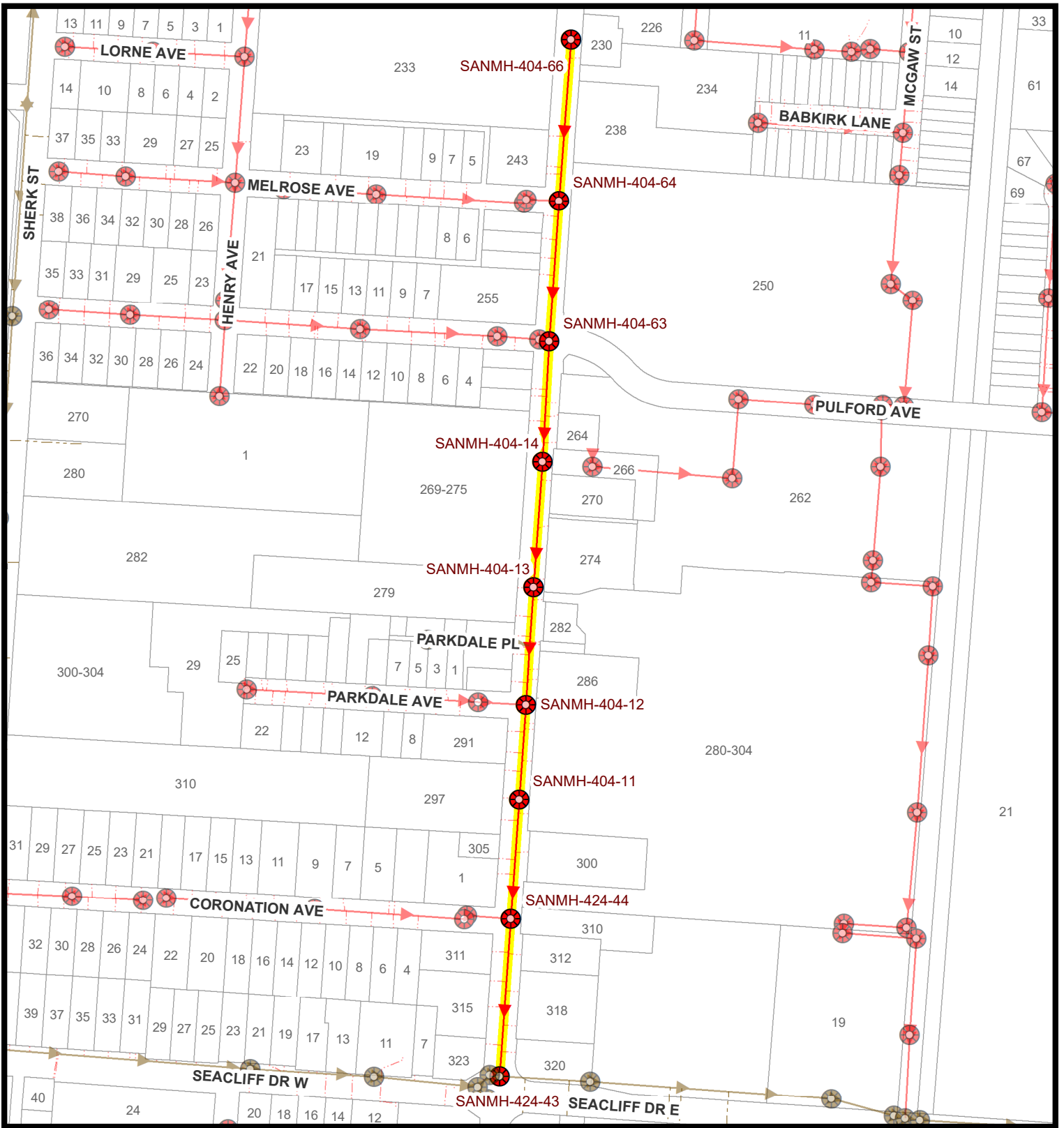
Prepared For: Eng Date: November 06, 2023

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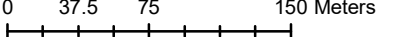
Legend

-  Combination Manholes
-  Sanitary Manholes
-  Combination Mains
-  Combination PDC
-  Sanitary Mains
-  Sanitary PDC
-  Sanitary Mains



Title: 6 Month Flushing Erie St S approx. 589.6 m



Scale: 1:4,000 

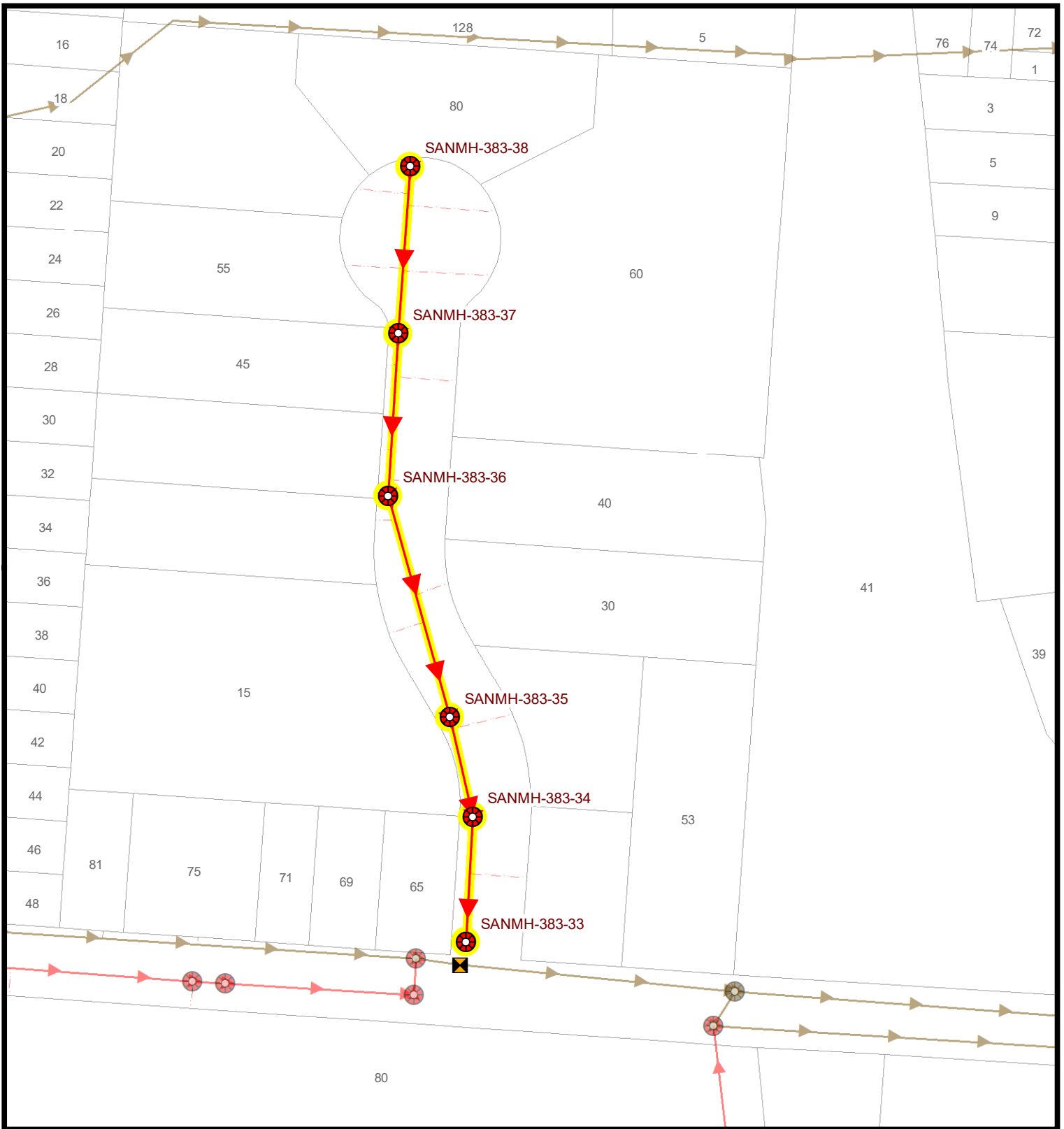
Prepared For: Eng Date: November 06, 2023

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Prepared By: GIS Services File No: N/A


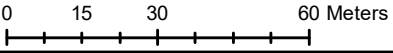
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Legend

- Combination Fittings
- Sanitary Manholes
- Sanitary Mains
- Combination Mains
- Annual Flush










Title: Annual Flushing Industrial Rd / Oak St	
 <p>LEAMINGTON ONTARIO CANADA</p>	Scale: 1:1,500 
Prepared For: Eng	Date: March 13, 2020
Prepared By: GIS Services	File No: N/A
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Legend

-  Combination Manholes
-  Sanitary Manholes
-  Combination Mains
-  Combination PDC
-  Sanitary Mains
-  Sanitary PDC
-  Annual Flush

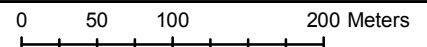


Title:

Annual Flushing Lutsch / Hyatt



Scale: 1:5,000



Prepared For: Eng

Date: March 09, 2016

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Prepared By: GIS Services

File No: N/A

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Legend

- Combination Manholes
- Sanitary Manholes
- Combination Mains
- Combination PDC
- Sanitary Mains
- Sanitary PDC
- Annual Flush

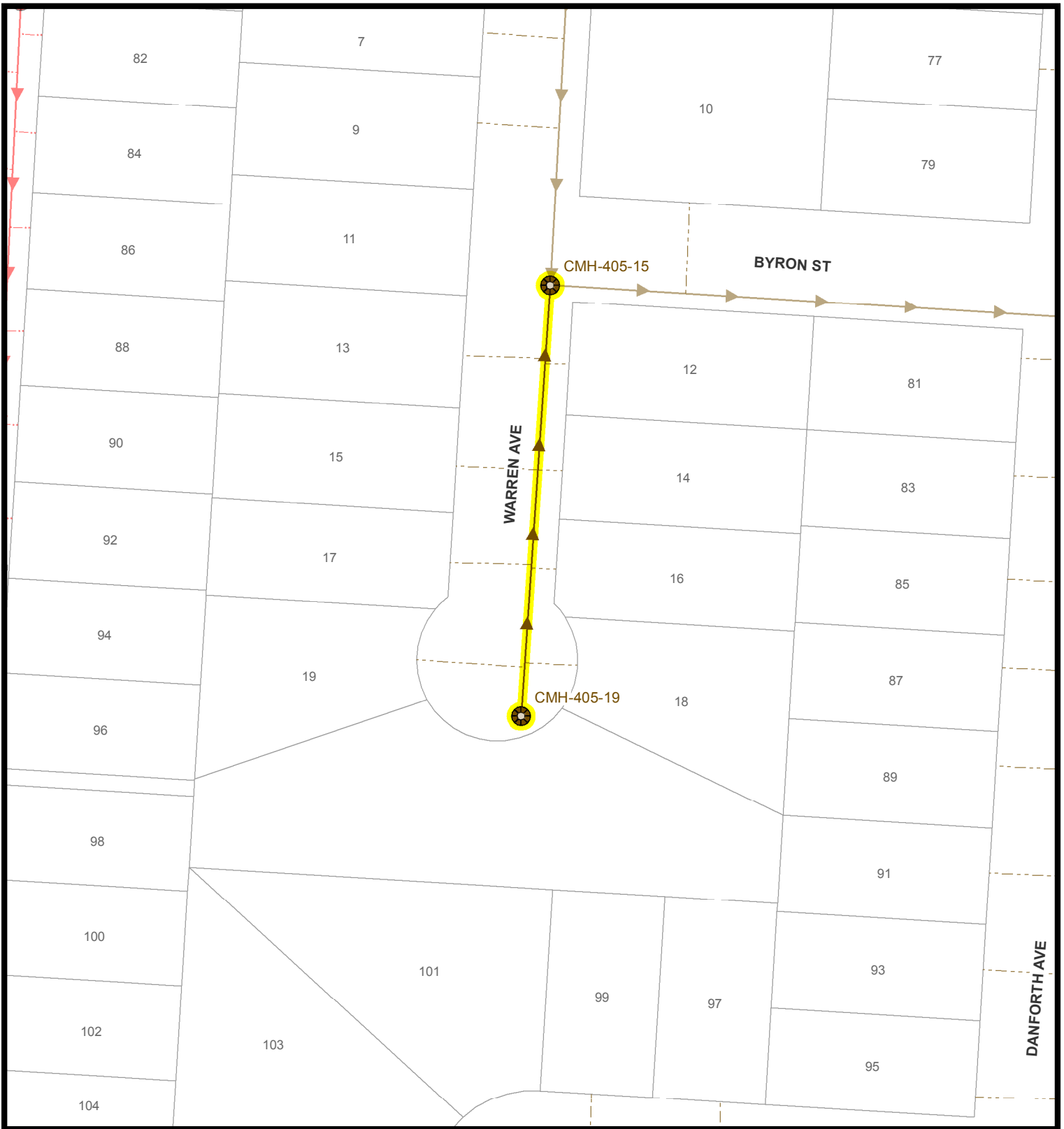
Title: Annual Flushing Talbot Rd W / Easement / Oak St W

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Scale: 1:3,000


Prepared For: Eng	Date: March 09, 2016
Prepared By: GIS Services	File No: N/A


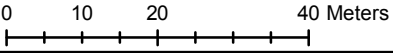
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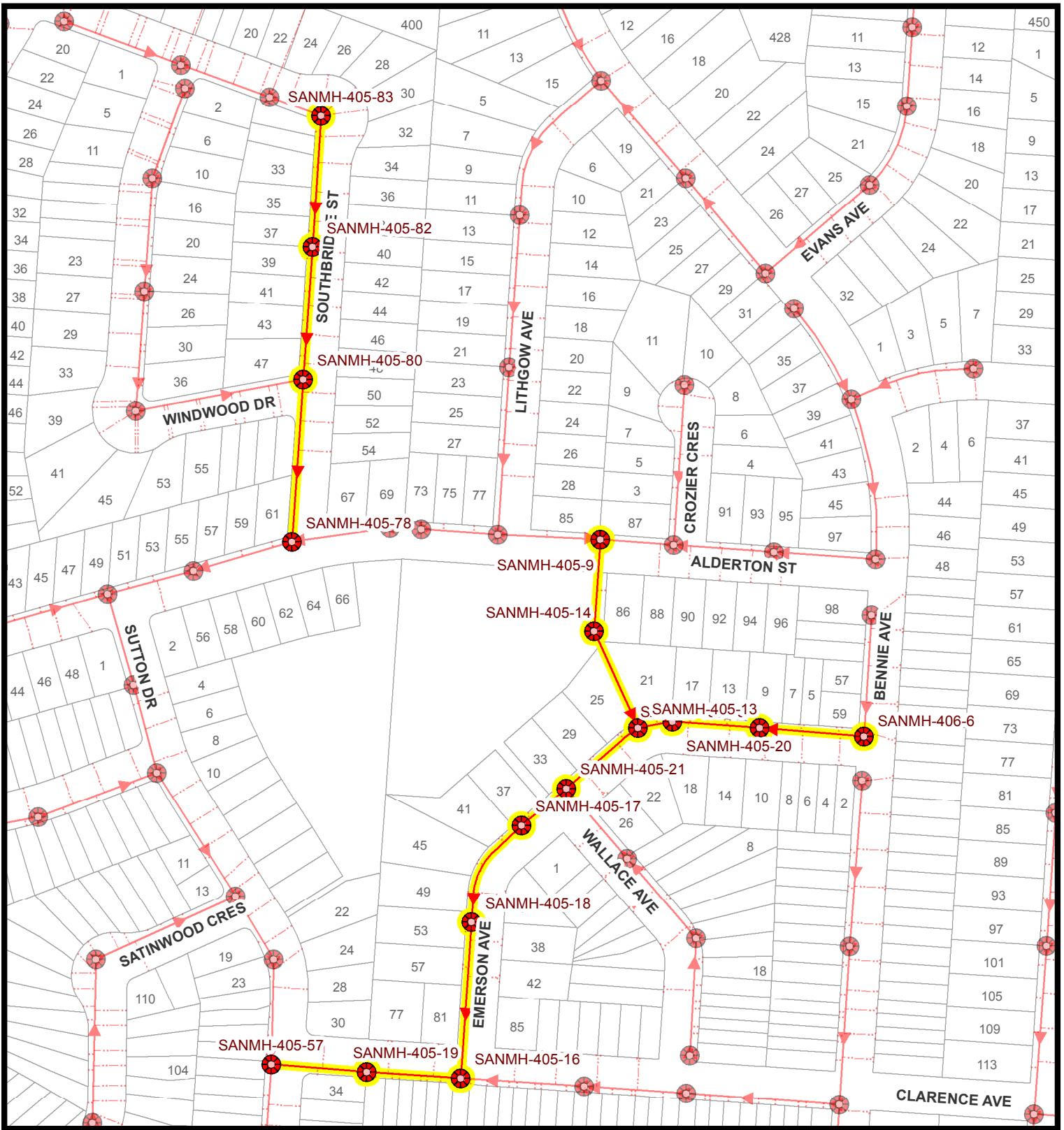
Legend

- Combination Manholes
- Sanitary Manholes
- Combination Mains
- Combination PDC
- Sanitary Mains
- Sanitary PDC
- Annual Flush



Title: Annual Flushing Warren	
	Scale: 1:1,000 
Prepared For: Eng	Date: March 09, 2016
Prepared By: GIS Services	File No: N/A
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Legend

- Combination Manholes
- Sanitary Manholes
- Combination Mains
- Combination PDC
- Sanitary Mains
- Sanitary PDC
- Annual Flush



Title: Annual Flushing Windwood/SouthBridge/Emerson/



Scale: 1:2,800 0 25 50 100 Meters

Prepared For: Eng Date: March 09, 2016

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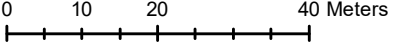
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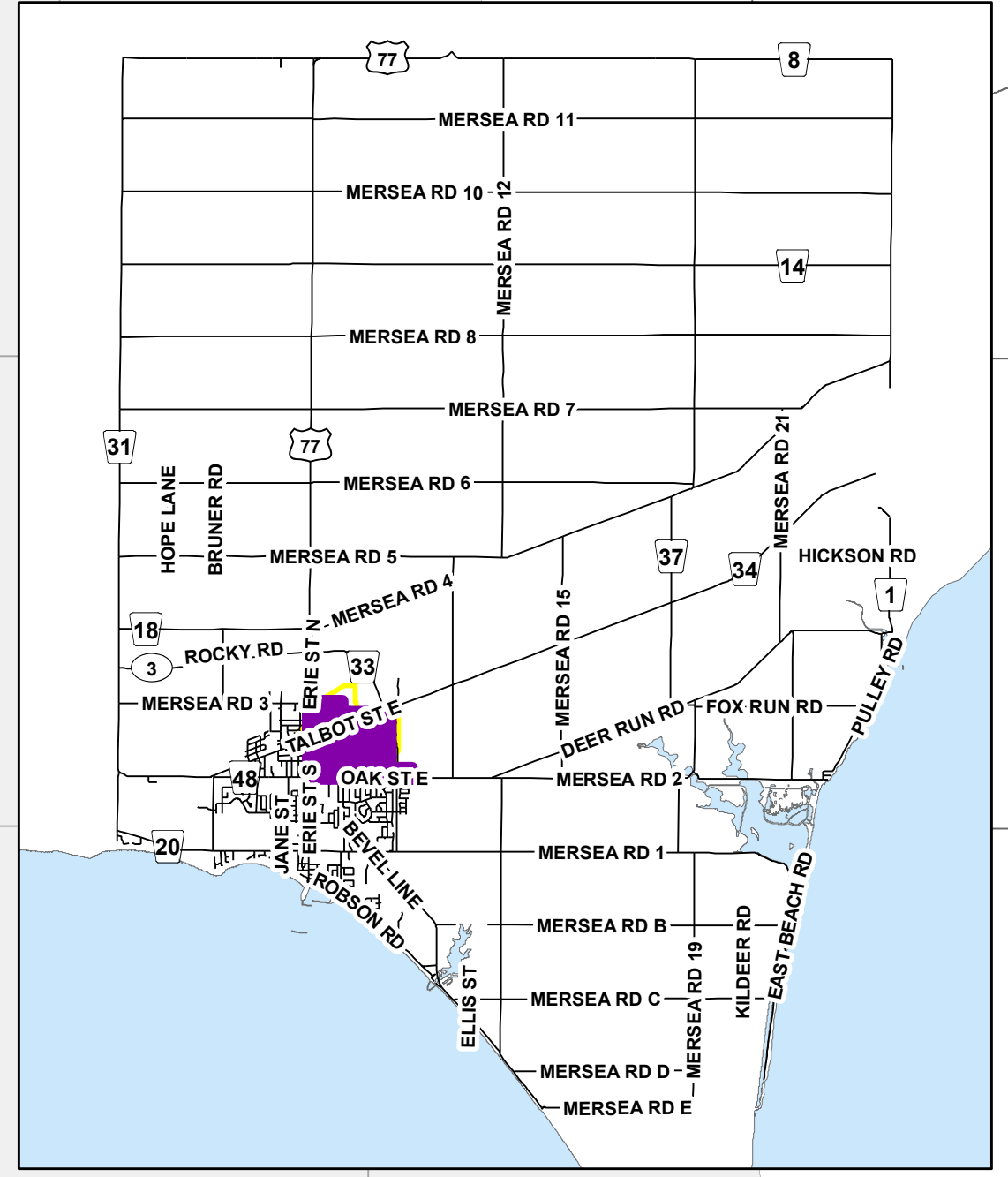
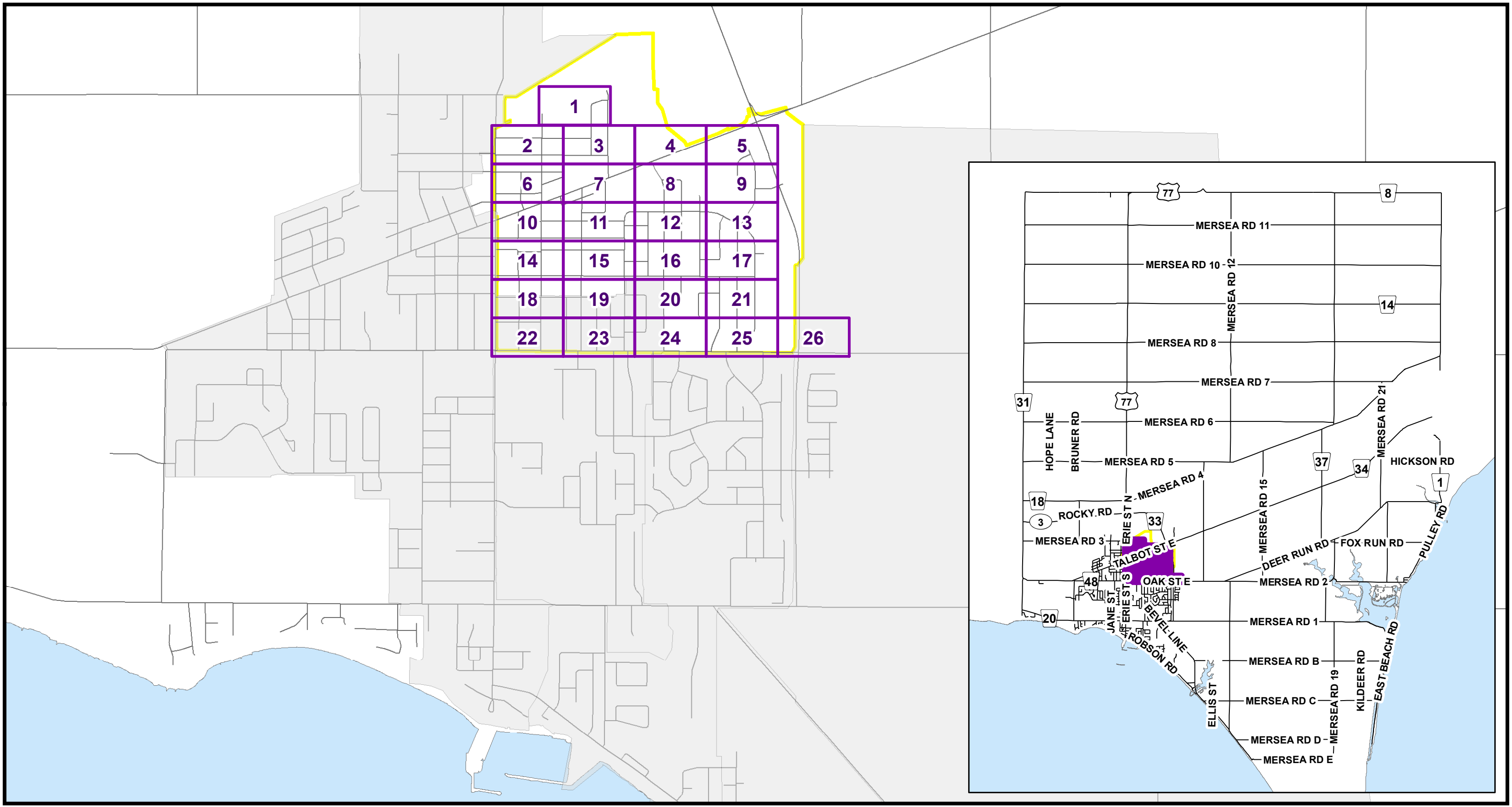


Legend

-  Sanitary Manholes
-  Sanitary Mains
-  Annual Flush



Title: Annual Flushing Robson Rd	
	Scale: 1:1,000 
Prepared For: Eng	Date: March 12, 2020
Prepared By: GIS Services	File No: N/A
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 Index Grid
 Flushing Area



 Date: 2020-01-09

Title: Sewer Flushing Area - Year 2 - Index Map

Scale: 1:20,000 0 370 740 1,480 Meters

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Municipality of
Leamington
live | play | work

Appendix F
2025 Pump Station and Sewer Repairs



2025 Pump Station Repairs

Date	Pump Station	Repair Completed
15-Jan-25	Sturgeon Meadows	Replaced float
09-Apr-25	Sturgeon Meadows	Pump #1 contactor replaced in control panel
16-Apr-25	Sturgeon Meadows	Pump #1 check valve replaced
11-Jun-25	Pelee Bevel 3	Reprogram milltronics unit, high level float moved to under influent pipe
31-Jul-25	Pelee Bevel 2	Pulled piece of plastic from pump #2 and adjusted impeller clearance
19-Aug-25	Erie Glen	New capacitors and contactors installed in pump #1
09-Sep-25	Pelee Bevel 4	Clearance tightened on pump #1 and pump #2
27-Oct-25	Sturgeon Meadows	Replaced high level float

2025 Sanitary/Combined Sewer Repairs

Date	Address	Issue	Repair	Sewer Type
07-Jan-25	Clark St E and Wellington	Cracked manhole lid	Replaced manhole lid	COMB
07-Jan-25	4 Fox St	Broken lateral main	Lifted the Bell lines and repaired lateral	COMB
26-Feb-25	59 Hazleton St	Original lateral line in poor condition and caused a sinkhole in road from collapse	Replaced lateral line from main to property line and added to clean out list	COMB
03-Mar-25	78 Hodgins	Sinkhole	Joint sealed and trench backfilled	COMB
10-Mar-25	Cedar Dr	Manhole cover below grade	Raised manhole to surface	SAN
10-Mar-25	Worcester Ave	Calcite buildup	Removed calcite from MH on Worcester and Sherwood and removed ragging from MH inlet at Sherwood and Worcester	SAN
18-Mar-25	4 Bruce Ave	Sewer repair	Replaced sanitary lateral from main to property line and installed new 125mm PVC	SAN
20-Mar-25	22 Cambridge Cres	Sewer repair	New tee installed	SAN
01-Apr-25	Foundry St	Sewer repair, main sidewalls collapsed	Repaired section of main and CB lateral lines to main	COMB
03-Apr-25	Ivan St	Sewer repair	Replaced section of main where the waterline cut through it	COMB
04-Apr-25	92 and 94 Malborough St E	Experiencing sewer issues., found an old repair had collapsed near main line sewer	Installed cleanout at property line, lateral line was repaired	COMB
08-Apr-25	9 Countess St	Having issues with sewer backing up into basement	Cut roots in main on municipal side	SAN
09-Apr-25	11 Westmoreland Ave	Sewer backing up into basement	Cut roots in combination lateral line from property line to main sewer	COMB
15-Apr-25	Settingington at Erie St S	Sewer repair	Repaired tee 5 m east of main and repaired failing lateral to church	COMB
16-Apr-25	11 and 15 Princess	Sewer repair due to broken bottom and sidewalls	Replaced section of 300 mm main	COMB
29-Apr-25	Ivan St	Lateral line struck by Cogeco	Lateral line repaired	COMB
30-Apr-25	12 Martin	Lateral line disconnected from the main sewer line	Repaired/re-connected	COMB
07-May-25	9 Countess	Sewer repair	Installed sewer liner on the lateral line from the property line to the main	SAN
20-May-25	40 Elizabeth	Calcite build up in lateral near centre of road	Calcite cut out via clean out at the property line	SAN
22-May-25	Baseball Diamonds	Lateral line was plugged	Repair and cleaning complete	SAN
26-May-25	Martin St	Lateral line had settled causing void in the road	Repaired with 6" PVC connection	COMB
27-May-25	Martin St	Lateral line with settled connection to mainline	Repaired lateral	COMB
28-May-25	162 Talbot St E	Lateral line went through top of large combination main and voids around connection	Cemented connection and added filter cloth	COMB
03-Jun-25	37 Nancy	Sewer repairs	Installed cleanout	COMB
03-Jun-25	40 Elizabeth	Calcite backup	Installed a point repair patch	SAN
05-Jun-25	38 Nancy	Major roots and calcite in lateral line	Roots cut and calcite cleared from lateral line	COMB
13-Jun-25	6 Seaciff Dr E	Issues with drainage and plumbing backing up. Pieces of debris blocking flow at the cleanout	Cleaned up debris and reconnected	COMB
20-Jun-25	Alderton	Root infiltration in main	Cut roots south along drain	COMB
27-Jun-25	64 Danforth	Sinkhole over sewer	Roots removed and cleared from main, no signs of break in sewer	COMB
04-Jul-25	Sherman St	Offset joint and settlement on COMB sewer	Repaired 300mm combination sewer	COMB
07-Jul-25	36 Danforth	Sinkhole, lateral line in bad condition	Replaced lateral	COMB
07-Jul-25	23 James	Experiencing sewer issues	Roots cut followed by clean out in lateral line	COMB
14-Jul-25	96 Wigle	Lateral line collapsed	Lateral line replaced	COMB
16-Jul-25	64 Danforth	Sinkhole settled 8" in road	Cold patch topped up and repaired	COMB
17-Jul-25	Westmoreland	Sinkhole investigation. Cannot confirm if lateral, main or unknown structure	Hole filled and monitored	COMB
22-Jul-25	43 Nancy	Sinkhole	Repaired tap break-in and adjusted main for better slope	COMB
23-Jul-25	Oak St	Sewer repairs	Amico repairing risers and installing new frames and covers for manholes	COMB/SAN
23-Jul-25	Selkirk and Queen	Abandoned lateral connection causing sinkhole	Capped with concrete and replaced 8ft main as it was collapsing	COMB
24-Jul-25	Oak St W	Sewer repairs	Amico installing new frame and covers for manholes	COMB/SAN
28-Jul-25	Industrial and Oak St W	Sewer repairs	Amico installing new manhole structure	COMB
31-Jul-25	10 Sherman	Damaged lateral line	Installed temporary repair until permanent repair can be scheduled	COMB
31-Jul-25	Selkirk and Queen	Sinkhole at Selkirk and Queen	Replaced section of main and lateral to 33 Queens Ave	COMB
01-Aug-25	Public Works shop side entrance	Sinkhole repair, joint on top of main opened up and allowed material to enter	Replaced section of main	COMB
01-Aug-25	Selkirk and Queen	Sinkhole	Replaced section of main	COMB
05-Aug-25	Westmoreland Ave and Oak St W	Manhole replacement	Amico installing new manhole and removing old brick stack manhole	COMB
07-Aug-25	James St	Catch basin install and repair with watermain project	Repairing catch basin lateral to main, lateral replaced	COMB
11-Aug-25	Oak St W	Manhole repairs	Amico repairs on manholes	COMB
12-Aug-25	Oak St E and Wigle	Sewer repair - traffic signal crossbore in main	Removed crossbore and fixed main	COMB
13-Aug-25	26 Georgia	Sinkholes in front lawn, lateral old and falling apart	Replaced lateral from cleanout to curb with new PVC	COMB
18-Aug-25	Across from 10 Foundry	Sewer repair	Replaced 6" clay with 6" PVC - installed cleanout and replaced lateral from parking lot to main	COMB
20-Aug-25	20 Whitney	Bottom broken in main causing sinkhole	Replaced 52" of main with PVC pipe	COMB
29-Aug-25	110 Mill St E	Lateral line repair in middle of road	Remove broken sections of lateral and installed 2m of PVC	COMB
15-Sep-25	5 Ashley Cres	Depression in soil	Main and lateral lines are clear, filled hole with top soil and seed, will monitor	SAN
21-Oct-25	6 Kimball	Roots blocking flow in lateral line	Roots cut and cleaned out	COMB
21-Oct-25	36 Churchill	Roots blocking flow in lateral line	Roots cut and cleaned out	COMB
28-Oct-25	Askew	Combination sewer rerouting	Rerouting 450 mm combination sewer from backyards to road	COMB
04-Nov-25	CMH-384-123 to main	Sewer repair	Lateral line lined from manhole to main	COMB
05-Nov-25	MCR Dr and Maple Ave	Rerouting combination main	Grouted 500 mm main between MCR Dr and Maple Ave	COMB
11-Dec-25	Settingington	Drainage issues in alley	Installing 200 mm pipe into the combination sewer for alley drainage	COMB

Appendix G
2025 Complaints



Sanitary Sewer CityWorks and CityWide Tickets

RequestID	Date Initiated	Description	Priority	Category	Dispatch To	Address	Status	Details	Comments
26517	2025-01-06 13:09	Sewer problem/backup	2	SEWER	BEZAIRE AREVALO, DANIEL	7 SEACLIFF DR W	CLOSED	Had a plumber come out regarding the sewer line, seems to be plugged somewhere between the road and caller's building. Was recommended by the plumber to call the municipality. Draining very slowly, no backup into building as of yet.	
26543	2025-01-09 10:55	Sewer problem/backup	2	Engineering	NAJIM, DOMINIC	HODGINS ST	CLOSED	AMCO storage, pumps septic tank into Hodgins street pump house, hired someone to pump out the septic tank, pumped it out and said that the station is backflowing and there is a problem with the "other end", meaning not the AMCO storage side of things.	Inspected infrastructure on Hodgins north for possible back up into greenhouse pump house. Everything appeared to be working properly. Left message for AMCO.
26669	2025-01-22 09:42	Sewer problem/backup	2	SEWER	NAJIM, DOMINIC	79 MARLBOROUGH ST W	CLOSED	Sewer is backing up onto caller's property - laundry room, caller has tried snaking out the drain (38ft) and cannot find any blockage, which takes him just past his driveway, cleaning pipe installed beginning of last summer (2024), does not believe it has to do with pipes on his property but not sure, would like someone to come take a look and mentioned if more information is needed, feel free to call him.	Cleanout on private property has obstruction, either frozen debris or cement. Problem is on private side. Municipal side working well.
27268	2025-04-10 10:29	Sewer problem/backup	2	SEWER	NAJIM, DOMINIC	4 CAMEO DR	CLOSED	Had a plumber out there April 2 & 3 and was told the pipes were clear and husband of caller watched that it was not clogged, sewage is now backing up into shower, sink and tile are bubbling up, nothing is going down not even seeping down	Mains running smooth, confirmed at top end manhole, and catchbasin and manhole downstream. Private issue, no cleanout to inspect private side. Advised resident that cleanout needs to be installed.
27269	2025-04-10 10:42	Sewer problem/backup	2	SEWER	BEZAIRE AREVALO, DANIEL	4 CAMEO DR	CLOSED	Sewer backup through toilet shower sink in bathroom, currently happening. shower stall is filled up to lip, toilet is over lip and overflowing thinks there are also sewer issues at 7 cameo as well	
SR-0609	2025-06-18 12:57	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	30 PULFORD AVE	CLOSED	Called regarding her father's property and a drainage issue. The drain is backing up and they believe the blockage is on town property., went to site and only the kitchen sink wasn't working, resident reports bathrooms and showers still run.	Advised resident to have a plumber explore the line as the cleanout in the sidewalk is currently sealed and not enough evidence showing issue on municipal side. Mains running smooth. Told them to call back if the plumber still finds issue on our end. Private issue as toilets and showers are working - advised resident to call plumber.
SR-0861	2025-07-09 12:49	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	14-20 PEARL AVE	CLOSED	The drain in the basement at 20 is not draining, the sewer grate in front of the house at the road seems to be caving in. She is wondering if the pipes have shifted due to the sewer grate caving in. She had her drain snaked and they could not find the town hookup attached.	Went to site no cleanout found at Property line. Mains running good. Called resident twice and left message no answer. Private issue until cleanout is installed or found by resident. Catch basin in front of property has sinkhole. Sent over to Supervisor at PW for maintenance, cone placed temporarily. No call back, sinkhole brought to the attention of PW for repairs at CB. Will close request, no call back, municipal infrastructure working good.
SR-0979	2025-07-16 13:25	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	43 NANCY AVE	CLOSED	Sewer is backed up, his basement is flooding.	Went to site, no cleanout at PL. Checked main and mains running smooth. Sewer surcharge and could not keep up.
SR-0985	2025-07-16 14:12	Eng-Sewers	Low	Engineering	MANLEY, MAITLYN	91 ELLIOTT ST	CLOSED	The resident is calling in regards to the flooding in her parents basement. She is requesting that someone explains our procedure when it comes to flooding, as she was under the impression that someone from the municipality would be going into the home to help out with the flooding.	I recommended that she call a plumbing or restoration company, but the resident did not accept that response. As we ended the call, the resident seemed very upset with the situation and is requesting a follow up call. Spoke with Mary, I informed her that we do not go on to the private side to help with flooding/restorations. I also informed her that our two infrastructure services inspectors' main priority is the flooding of the road and preventing (on our end) any more flooding occurring. It was suggested to her to contact a plumber, a company that helps with restorations and her insurance. She believes it is the Municipality's fault for the flooding. I informed her if that is how she feels to contact her insurance and they connect with us and conduct an investigation.
SR-0988	2025-07-16 15:10	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	63 MARLBOROUGH ST E	CLOSED	This came through as a Report a Basement Flood form (see attached)	Went to site and road drained - system surcharge causing flooding to CBs and road - once rain stopped system was able to catch up.
SR-0989	2025-07-16 15:35	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	6 CAMEO DR	CLOSED	Basement flood from heavy rainfall, resident believes it to be coming from a pipeline that is tied into the sewer municipal sewer system would a follow up/inspection done to determine, he can be reached at 519-760-238.	Flood due to rain event - sewers running good.
SR-0991	2025-07-16 16:18	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	97 ELLIOTT ST	CLOSED	About 4 years ago, Robert had the floors redone in his basement. He is aware of the combination sewer that runs under his floor and believes because of the storm we just had, the water burst his flooring. He wants to talk to Dominic.	Water came up through cracks in the basement floor while storm event rescinded when i showed up.
SR-1000	2025-07-17 10:59	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	42 WIGLE ST	CLOSED	Resident had a pipe burst that caused a basement flood, he is unsure if it is a town related pipe and would like a follow up to determine, 519-933-8084.	Private issue on private property. Explained to the owner of the property that it was up to them to repair the pipe.
SR-1052	2025-07-21 11:19	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	17 AIUTO DR	CLOSED	Caller would like to speak with someone regarding the costs associated with the flood that occurred in his basement last week due to the rainfall, caller claims his plumber who is fixing his basement mentioned the flood was due to the municipality's drains (word he used but confirmed it is sewer) not being able to handle the water so it is our fault.	STM and SAN sewer surcharge due to rain event July 16 2025 - mains running smooth.
SR-1074	2025-07-22 11:51	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	35 JOHNSON AVE	CLOSED	Aaron called to inform us that he had the sewer flood his basement due to the storm we had a week ago. He has already gone through insurance. He wants a call back to see how everything is working on our end.	Explain to the home owner if he was going through insurance from the flood he would have to begin with his home insurance first.
SR-1160	2025-07-28 14:38	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	22 WILKINSON DR	CLOSED	Rejean is having issues with his sink. Saying the water keeps coming up. He has had plumbers look at his property and they have said there is nothing wrong on the private side. He has complained about the Municipal pipe 3 other times within 3 years, believing nothing has been done. He thinks his neighbour's tree is the cause of the issue.	Private issue, municipal sewer is running fine.
SR-1170	2025-07-29 08:36	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	7 CAMEO DR	CLOSED	Call regarding recent basement flooding, had two in the last two weeks because of heavy rains, roads keep getting flooded.	Went to site and mains running smooth - Cameo sewer surcharge due to rain event.
SR-1172	2025-07-29 08:45	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	13 SELKIRK AVE	CLOSED	Resident from 13 Selkirk called because she has had a 2nd flood during the heavy rains we have been having. She has not had a flood in 20 years prior to there being construction done at Queen St, John St and Albert St, she believes that may be the reason. She would like a call back at 248-207-8334. Note this is Gaspare's project, Updated call back contact is Norman 519-326-1960.	Mainline surcharge due to plug in MH. Sherway replaced lines from MH. Hurricane SMS on site to flush lines and video. Mains running smooth. Backup due to rain event.
SR-1179	2025-07-29 09:03	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	26 AIUTO DR	CLOSED	Basement flooded back during the week of July 14th due to heavy rainfall, she has a restoration company currently working on her basement and had a plumber out who insisted the flooding happened due to the municipal sewers not being able to handle the intake of water/rainfall we experienced. She is looking to speak with someone regarding this and inquiring about any compensation she is entitled too.	Basement flooded due to rain event. Checked cleanouts and mains all smooth and clear. Mainline surcharge due to rain event.
SR-1180	2025-07-29 09:04	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	Selkirk Ave	CLOSED	The sewer is backed up. The resident said that there is an excess amount of water on the street. He also mentioned his basement flooded but I recommended that he call a plumbing company as the municipality does not handle the private side. Resident called again due to current rainfall the sewer locate at the front of the property is shooting up like a guizer as he described it he is at risk for second basement flood.	Talked to the resident and explained we had a major storm where the sewers could not take the water away fast enough and causing flooding around town.
SR-1192	2025-07-29 11:35	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	22 LONGFIELD LANE	CLOSED	Resident came in because he had experienced flooding due to heavy rainfall 07/28, he believes the issues was sewers being over filled and he would like someone to come out and have a look, he can be reached at 519-999-1914.	Talked to the resident and explained we had a major storm where the sewers could not take the water away fast enough and causing flooding around town. After storm was over the system drained down.
SR-1198	2025-07-29 14:34	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	3 SELKIRK AVE	CLOSED	The resident explained that his basement has flooded twice in the past month (during both of the heavy rainfalls) and is requesting that we take a look and see if there may be any issues on our end. He would like a call back.	Basement backup due to rain event. Sherway and Hurricane SMS on site for sewer repairs and flushing. All running smooth, basement backup due to rain event.
SR-1201	2025-07-29 15:19	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	93 ELLIOTT ST	CLOSED	According to the person, their back yard is full of sewage back flow. They noticed it on July 28, 2025. According to the caller, their back yard is contaminated with human feces and toilet papers. The caller expressed their concerns based on potential risk of exposure to health hazards. Public Health Inspector called to the Manager of By-Law Enforcement Department Town of Leamington on July 29, 2025 at 2:15 p.m. and informed about the complaint.	The given complaint registered in Environmental Health, WECHU, data base under # 1430196-0043334. Provided quote for capping the MH with sealed frame and cover and installing a catch basin in the back with check valve to Bill for review.
SR-1203	2025-07-29 15:20	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	93 ELLIOTT ST	CLOSED	Sewer back up/flooding in his backyard due to the rainfall from last night (Monday, July 28). He indicated he was told to call the town and make a complaint.	Mainline surcharge due to rain event - mains running smooth.
SR-1204	2025-07-29 15:37	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	153 TALBOT ST E	CLOSED	Resident at 153 Talbot E was meeting on site today with Dan Arevalo, he requested that Mackenzie call in. He had the first flood during the heavy rains July 16th and the second flood July 28th, Dan advised that the combination sewers surged and cause the back up/flood. He can be reached at 226-961-3666 for follow up. The caller came in regarding a building emergency repairs. He wanted to also talk about the flooding that occurred again on his property.	Went to site and mainline surcharge causing flooding in basement. Advised resident to tie into front and abandon section going to main, basement flooding due to rain event.
SR-1205	2025-07-29 16:26	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	Selkirk Ave	CLOSED	Resident said that her basement has flooded twice this past month (during the heavy rainfall). She is inquiring if this is due to the construction on her street. The resident is requesting that someone give her a call.	Sherway on site for MH repairs and Hurricane SMS on site for sewer flushing and video. Mains running smooth, mainline sewer surcharge due to rain event.
SR-1208	2025-07-30 09:24	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	68 FOUNDRY ST	CLOSED	Resident at 68 Foundry has had what she believes as sewer back up in her basement from the heavy rainfall Monday, she can be reached for follow up at 226-506-2067. Resident called again due to usage/rainfall they believe the waste water is coming through the foundation of the house 226-347-3622 if you will be attending the property please call Matthew ahead.	Explained to resident that it was a private issue and showed him where the cleanout was located.
SR-1232	2025-07-30 15:32	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	86 ELLIOTT ST	CLOSED	Resident at 86 Elliott called to report the sewers backing up due to heavy rain 07/30 she can be reached at 519-999-9277.	Talked to the resident and explained we had a major storm where the sewers could not take the water away fast enough and causing flooding around town. After storm was over the system drained down.
SR-1234	2025-07-30 15:37	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	91 ELLIOTT ST	CLOSED	Resident called to report sewer water backing up into her basement again at 91 Elliott, she would like a follow up at 519-562-9765.	Talked to the resident and explained we had a major storm where the sewers could not take the water away fast enough and causing flooding around town. After storm was over the system drained down.
SR-1237	2025-07-30 15:56	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	4 FOUNDRY ST	CLOSED	Resident has reported back up into his basement causing flooding the last 3 heavy rainfalls, he can be reached at 519-329-0825.	Talked to the resident and explained we had a major storm where the sewers could not take the water away fast enough and causing flooding around town. After storm was over the system drained down.
SR-1240	2025-07-30 16:12	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	35 IVAN ST	CLOSED	Bakous called from 35 Ivan to report that the last 2 heavy rains has caused flooding in his basement he can be reached at 519-322-8416.	Went to site and Cbs clear to main - COMB sewer flowing - surcharge due to rain event.
SR-1242	2025-07-30 16:30	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	97 ELLIOTT ST	CLOSED	Resident would like a call due to regular occurrences of flooding at 97 Elliott St 519-325-9139.	Talked to the resident and explained we had a major storm where the sewers could not take the water away fast enough and causing flooding around town. After storm was over the system drained down.
SR-1243	2025-07-30 17:30	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	153 TALBOT ST E	CLOSED	Reporting yet another basement flood at our home (153 Talbot St E) that occurred today, July 30. This is the third flood in two weeks (previous ones on July 16 and July 28), all occurring despite our backwater valve being shut. Each time, the valve cavity itself fills and overflows, strongly suggesting the water is backing up from the municipal side.	COMB sewer surcharge due to rain event - advised resident to disconnect from COMB and tie into front.

Sanitary Sewer CityWorks and CityWide Tickets

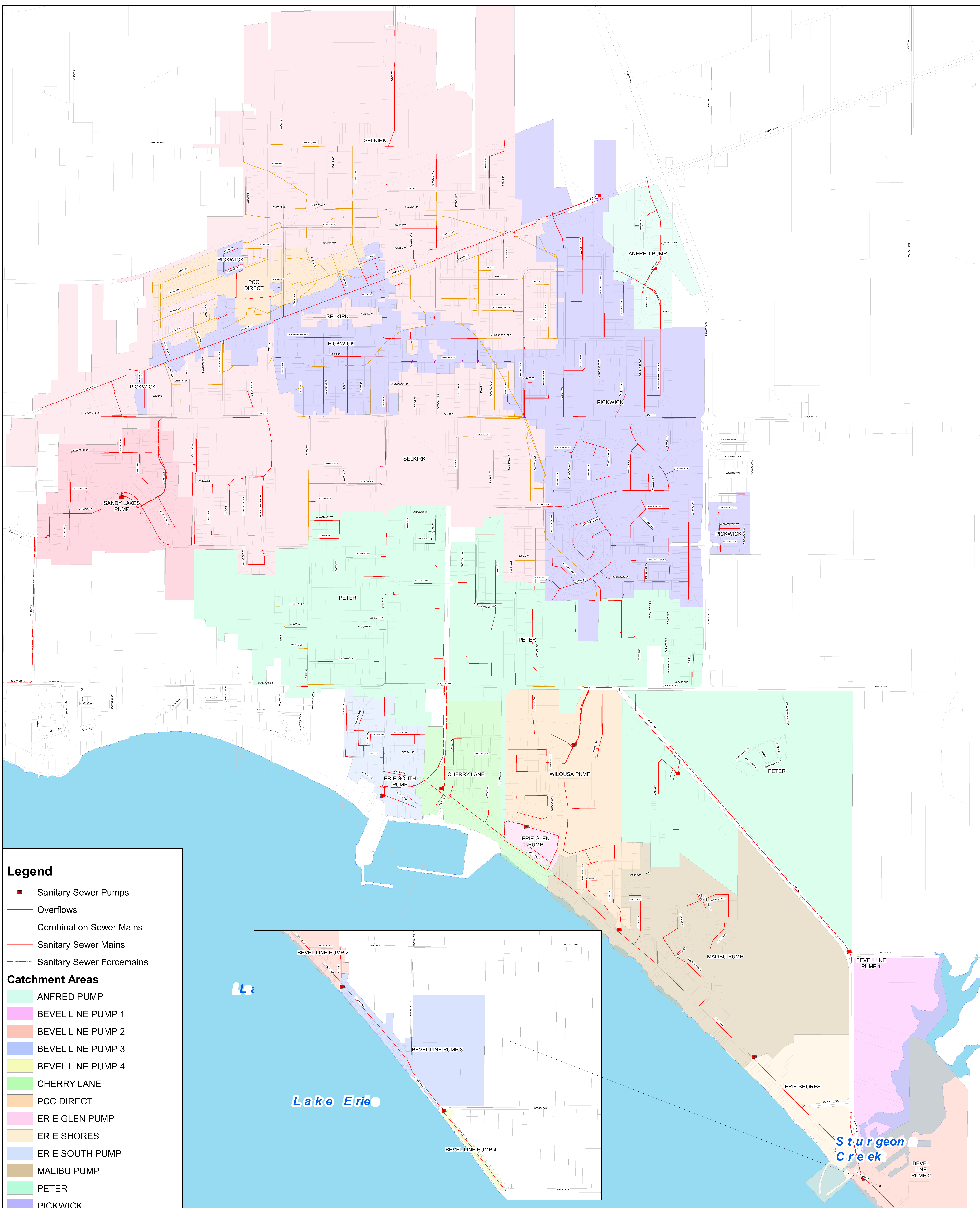
RequestID	Date Initiated	Description	Priority	Category	Dispatch To	Address	Status	Details	Comments
SR-1256	2025-07-31 10:54	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	100 MARLBOROUGH ST E	CLOSED	Resident called because he has started to notice during heavy rains that water comes shooting up the sink, toilet and tubs on the main floor of his house after construction had been done in the area, please contact him at 519-324-6802.	COMB sewer surcharge due to rain event. Went to site and checked cleanouts and CBs to main - clear and working.
SR-1257	2025-07-31 10:56	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	72 ORANGE ST	CLOSED	Resident called because he has had water in his basement 3x since construction was completed in the area, he would like a call back to 519-791-8599, Daniel, the homeowner would like a call back regarding what kind of issues were on our property for the sewer to flood his basement.	Left message on voicemail - mainline running smooth - possible surcharge due to rain event.
SR-1270	2025-07-31 13:14	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	101 MARLBOROUGH ST E	CLOSED	Basement is flooding due to the heavy rainfall, caller mentioned if he doesn't answer his phone it's due to being at work and asked we call the secondary number he provided on file. Caller almost mentioned his neighbour at 103 Marlborough St. E. is experiencing basement flooding too.	Talked to the resident and explained we had a major storm where the sewers could not take the water away fast enough and causing flooding around town. After storm was over the system drained down.
SR-1274	2025-07-31 14:19	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	33 CLARK ST W	CLOSED	Resident called to request that we look into the sewers near her home. The basement has been flooding more than usual and is wondering if there might be an issue on our end. I still advised the resident to call an insurance company to get potentially the restorations covered.	Talked to the resident and explained we had a major storm where the sewers could not take the water away fast enough and causing flooding around town. After storm was over the system drained down.
SR-1312	2025-08-05 09:42	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	103 MARLBOROUGH ST E	CLOSED	During the heavy rainfalls, water has been entering the residents home. She is requesting that we look into the sewers to see if there is a potential issue on our end. I advised her to also call her insurance company.	Went to site and backup due to storm event July 30 2025. Mains and cbs working good, backup due to rain event July 30 2025 - mains and CBs running good
SR-1341	2025-08-06 13:15	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	219 TALBOT ST E	CLOSED	Rebekah Allen, is calling to let us know they are having issues with backup of sewers and clean water. They would like someone to inspect the sewers on Municipal property. There has been 3 other times when this has happened, first time it resolved on its own and the second time they had someone from the town come out to look at it. They want to first know if it is anything on the towns side prior to calling for a plumber.	Private issue - everything on town side working good.
SR-1349	2025-08-06 15:58	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	28 GEORGIA AVE	CLOSED	Resident called because she has noticed a large hole in her front lawn, she recently had her septic tank emptied and believes there was an issue with the pipes and she is wondering if the hole would be related, she would like a follow up at 519-326-6712 before 12pm or after 4pm.	Went to site and found sinkholes. Had J&T ex on site for sewer repairs. Installed 2 cleanouts and repaired to curb. Sewers flowing and final restorations to occur in the next few weeks. Sun Parlor Restorations on site for final restorations.
SR-1629	2025-09-02 08:26	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	12 NOBLE AVE	CLOSED	Something plugged in our sewer Main And I was wondering if you guys could point me in there, right direction. As to who could come and fix this, it's been backed up for a little over. I don't know. Probably last night or yesterday morning, and we can't find anybody to come do it on a long weekend. If you could give me a shout back 613. 602 1659, thank you.	Private issue. Sewers running good. Resident had plumber out and they eeled roots from their side.
SR-1771	2025-09-15 09:49	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	5 ASHLEY CRES	CLOSED	Resident has a hole 1ft from the road on her front lawn near the tree, inquiring about having it repaired, Donna can be reached at 519-501-9255.	Checked SAN lateral to house and SAN main, all clear and no signs of breaks. Will top up depression with top soil.
SR-2097	2025-10-20 08:41	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	36 CHURCHILL AVE	CLOSED	Resident's sewer clean out is draining slow he had poured water in it to test it, please give him a call with next steps.	Leamington Sanitation root cut the lateral line. Everything is working well
SR-2130	2025-10-22 13:23	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	56 PLUMBROOK DR	CLOSED	She was having issues with her plumbing. Had a plumber look at it, they told her its a possible septic tank/system issue. She does have separated sewers. I sent her to Building to double check their records of septic tank/systems. But I said i could still have an inspector check our sewers to see if there is any issues there.	Talked to the owner and explained that there is no septic tank and explained the next steps into adding a cleanout.
SR-2204	2025-10-29 13:28	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	16 BROWN ST	CLOSED	Herman is having issues with their septic system. He had a plumber going out and inspect, and he is aware of his property having issues. But he had the neighbour behind him say they also have issues. He believes it is the combination sewer between his home and Oak St that might be clogged. He would like someone to look at it.	No sewer in front only in backyard. Residents responsibility to the main. No issues seen with main - private issue.
SR-2208	2025-10-29 15:08	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	117 ERIE ST S	CLOSED	Resident called because the sewer has backed up into his basement at 117 Erie St S, he wanted to confirm if it is in relation to town sewers.	Private issue - cleanouts clear to main and main running smooth.
SR-2276	2025-11-07 14:19	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	24 VICTORIA AVE N	CLOSED	Sewer smell inside the home. Strongest smell is in the back. She has not gotten a plumber for the smell. Crawl space was renovated because they initially thought it was the issue. But it was not.	Went to site and no cleanout at property line. Mains running smooth. On COMB sewer could be venting issue or private issue.
SR-2286	2025-11-10 09:14	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	169 ANTONIO CRT	CLOSED	Susan came into town hall Monday morning to report continuous water coming up in her furnace room. This has been on-going for roughly 2-3 weeks, ever since the town was at 165 Antonio Crt doing work/digging. The day it started Susan explained she brought two town workers into her house to show and they told her "I don't know", she didn't think much of it until now as it is continuously happening and it is quite a large amount of water each time (ex. around 1am today (Nov. 10) she had 23 pails full of water to remove). Susan is requesting someone come out and investigate what's going on. Ps. Susan mentioned she is Dominic's aunt, and asked that I message him.	Email has been sent separately, Municipal property running well. she will call back if it happens again
SR-2336	2025-11-13 16:01	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	26 ELLIOTT ST	CLOSED	Resident is living on Elliott St where they are doing construction, he reported having water in the basement as well as issues with the sink and shower draining and the toilet flushing, he has lived there for 20 years without issue. Please call Peter at 226-347-3446 or Mary at 226-961-9391.	Went to site, cleanout clear to main. Was advised by the inspector that there may have been a pipe missed during hook up. Contactor excavated near connection and found another pipe and tied into system. Shouldn't be experiencing any flooding issues anymore.
SR-2302	2025-11-12 08:17	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	1 MAPLE AVE	CLOSED	Hello. I'd like to report an issue with the basement flooding. The one Maple Street Leamington. I'm not sure what he's when did, but it seems like there's no storm drain working. And the water just keeps backing up into the basement. It's like two pumps running. And it's just not enough to keep the water out. So I don't know what some of he's done, but he's truck backed up to the drain the other day and these are putting cement down there or something. I don't know what kind of people you got working for you, but I hope somebody straightens itself.	Talked to resident about issue.
SR-2359	2025-11-17 11:26	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	44 CHESTNUT ST	CLOSED	Sam Daher was calling on behalf of his mother (the property owner) to try and determine if he is connected to the separated sewer or if they are septic.	Building has no records except for a PDC sheet. Sam has been informed he might need a private company to do the investigation. Municipal side clear.
SR-2428	2025-11-26 08:34	Eng-Sewers	Low	Engineering	BEZAIRE AREVALO, DANIEL	118 CLARENCE AVE	CLOSED	Possibly a blocked sewer	Went to site and could not pass the cleanout because of a big root and offset joint in the stack of the cleanout. Resident needs to get this fixed prior to inspection of municipal side.
SR-2663	2025-12-29 15:36	Eng-Sewers	Low	Engineering	NAJIM, DOMINIC	46 SHERWOOD AVE	CLOSED	Resident called about having issues with her sewer due to the Municipal tree in her front yard and would like a follow up call with the next steps, 519-791-5499.	Talked to resident to expose the cleanout at property line.

Sanitary Sewer Log

ID	Date	Address	Concern	Action Taken	Comments	Responder
557	2025-01-06	4 FOX ST	SEWER BACKUP IN BASEMENT	MUNICIPAL PROPERTY - TREE ROOTS IN LINE.	LSI on site to flush and root cut post cross bore from Bell. Clear to main.	DBA
553	2025-01-06	4 FOX ST	CLEANOUT SURCHARGED	MUNICIPAL PROPERTY - Lateral LINE BLOCKED	Found Bell cables cross bore with lateral line in boulevard. repaired and flushed.	DN
560	2025-02-03	67 ELLIOTT ST	SEWER BACKUP IN BASEMENT	PRIVATE PROPERTY - SEWERS RUNNING NORMAL	Went to site and checked cleanout in back fenced in area behind property. Cleanout clear with minor silt at bottom - private issue.	DBA
561	2025-02-11	4 BRUCE AVE	SEWER CONNECTION FAILURE	MUNICIPAL PROPERTY - LATERAL BLOCKED	Went to site to investigate lateral connection to 4 Bruce. Found lateral to main is capped. New line to be installed.	DBA
559	2025-02-25	59 HAZELTON ST	SINKHOLE IN ROAD	MUNICIPAL PROPERTY - MULTIPLE BREAK IN LINE.	Replaced the lateral line from the main to the property line and added a cleanout.	DN
563	2025-02-27	78 HODGINS ST	SINKHOLE	MUNICIPAL PROPERTY - TREE ROOTS IN LINE.	Sinkhole in road from offset joint to main - JP ex on site to repair.	DBA
567	2025-03-12	73 HODGINS ST	SEWERS RUNNING SLOW	PRIVATE PROPERTY - NO CLEANOUT	Went to site mains running smooth. Big tree in front yard to be cut by PW, no cleanout.	DBA
562	2025-03-17	4 BRUCE AVE	CLEANOUT SURCHARGED	MUNICIPAL PROPERTY - Lateral Line collapsed under	Ran a new 125mm PVC sanitary lateral line from property line to mainline sanitary sewer.	DN
564	2025-03-25	102 ROBSON RD	CLEANOUT SURCHARGED	MUNICIPAL PROPERTY - MAIN LINE BLOCKED	Contacted LSI to flush main line sewer. Blocked at the manhole at Cherry Lane at benching.	DN
577	2025-03-27	111 QUEENS AVE	CLEANOUT SURCHARGED	MUNICIPAL PROPERTY - TREE ROOTS IN LINE.	LSI on site to line lateral from cleanout to PL. All lined and smooth to main.	DBA
568	2025-03-27	111 QUEENS AVE	CLEANOUT SURCHARGED	MUNICIPAL PROPERTY - CLEANOUT SURCHARGED	Roots on municipal side. LSI on site to eel, cleared roots to main.	DN
566	2025-03-31	94 MARLBOROUGH ST E	BASEMENT FLOOR DRAIN SURCHARGED	MUNICIPAL PROPERTY -Lateral LINE BLOCKED	94 and 92 are hooked together they installed a cleanout at the property line. The break was from an old repair from the water main installation. Repaired the lateral line in the center of the road.	DN
565	2025-03-31	94 MARLBOROUGH ST E	BASEMENT FLOOR DRAIN SURCHARGED	PRIVATE PROPERTY - NO CLEANOUT	Mainline sewer runnig well. No cleanout at property line.	DN
569	2025-04-08	76 ASKEW ST	CLEANOUT BLOCKED	MUNICIPAL PROPERTY - CLEANOUT SURCHARGED	Red sand in lateral . LSI on site to flush lateral and main clear.	DBA
570	2025-04-08	11 WESTMORELAND AVE	CLEANOUT SURCHARGED	MUNICIPAL PROPERTY - TREE ROOTS IN LINE.	Roots on municipal side. LSI on site to eel, cleared to main.	DBA
588	2025-04-27	64 DANFORTH AVE	SINKHOLE IN BACKYARD	PRIVATE PROPERTY - SEWERS RUNNING NORMAL	Went to site and had COMB line rootcut and cleared. No signs of open joints or breaks, most likely rodent hole - filled.	DBA
572	2025-04-27	64 DANFORTH AVE	SINKHOLE IN BACKYARD	MUNICIPAL PROPERTY - CCTV VIDEO FOR CONFIRMATION	Went to site and found 3-4" hole in the vicinity of the 825 mm COMB. Hurricane SMS to CCTV to confirm condition.	DBA
590	2025-05-04	16 ALDERTON ST	SEWERS RUNNING SLOW	PRIVATE PROPERTY - NO CLEANOUT	JP ex on site for sewer repairs on private side, could not find lateral line out front of the house. Marked lines along COMB along the Selkirk where the house is connected. No cleanout	DBA
575	2025-05-04	541 MERSEA RD 3	BASEMENT FLOOR DRAIN SURCHARGED	MUNICIPAL PROPERTY - TREE ROOTS IN LINE.	Roots in lateral line. Cleaned from private property clean out. One time cleaning until a cleanout is installed at the property line. Roots on municipal property.	DN
574	2025-05-04	16 ALDERTON ST	SEWER BACKUP IN BASEMENT	PRIVATE PROPERTY - SEWERS RUNNING NORMAL	Went to site mains running smooth, no cleanout at property line. Kitchen sink won't drain but all other toilets and showers working - private issue.	DBA
579	2025-05-16	40 ELIZABETH CRES	NEEDS REPAIR	MUNICIPAL PROPERTY - INFILTRATION	LSI installed a point repair where the calcite build up was.	DN
576	2025-05-16	40 ELIZABETH CRES	BASEMENT FLOOR DRAIN SURCHARGED	MUNICIPAL PROPERTY - CLEANOUT SURCHARGED	Calcite build up at leaky joint 13m from cleanout. Broke open a hole to allow tempory flow. Contacted LSI to cut the rest out.	DN
580	2025-05-16	40 ELIZABETH CRES	Needs repair	MUNICIPAL PROPERTY - Infiltration	LSI installed a point repair where the calcite build up was.	DN
583	2025-06-02	37 NANCY AVE	SEWER BACKUP IN BASEMENT	MUNICIPAL PROPERTY - TREE ROOTS IN LINE.	Went to site and JP ex on site installing cleanout. Roots in lateral cleared to main.	DBA
578	2025-06-04	38 NANCY AVE	SEWER BACKUP IN BASEMENT	MUNICIPAL PROPERTY - TREE ROOTS IN LINE.	LSI root cut the lateral line from the newly installed cleanout. Major roots and calcite. 100% clean.	DN
591	2025-06-05	259 SHERK ST	SEWERS RUNNING SLOW	MUNICIPAL PROPERTY - CLEANOUT SURCHARGED	Cleanout installed at PL. Checked line and line is blocked with toys and debris. LSI on site and cleared lateral from 100% to 30%. Lateral draining CBs and to be replaced with sewer separation project.	DBA
585	2025-06-05	259 SHERK ST	CATCH BASINS NO DRAINING	PRIVATE PROPERTY - NO CLEANOUT	Went to site CB on the east side of the property not draining properly. No cleanout at PL. Advised owners that cleanout must be installed or located before municipality takes over.	DBA
586	2025-06-16	418 ROBSON RD	BASEMENT FLOOR DRAIN SURCHARGED	PRIVATE PROPERTY - SEWERS RUNNING NORMAL	Went to site and SAN cleanout cleared to main. LSI on site to fix private blockage.	DBA
589	2025-07-06	36 DANFORTH AVE	CLEANOUT SURCHARGED	MUNICIPAL PROPERTY - CLEANOUT SURCHARGED	Sinkhole under curb. Big Bear Ex on site to repair lateral line from cleanout to main new PVC.	DBA
581	2025-07-06	23 JAMES ST	SEWERS RUNNING SLOW	MUNICIPAL PROPERTY - TREE ROOTS IN LINE.	LSI rootcut the lateral line from a cleanout at the propertyline. 90% blocked before. 100% clean after.	DN
520	2025-07-14	96 WIGLE ST	SINKHOLE IN ROAD	MUNICIPAL PROPERTY - MAIN LINE BROKEN	Call from resident who was advised by GFL that lateral is broken and sinkhole in road. Brought to the attention of RC Spencer and Major Construction to repair during watermain construction.	DBA
582	2025-07-14	96 WIGLE ST	Broken Lateral line in road	MUNICIPAL PROPERTY - Dug down and repaired	Broken lateral in roadway. Dug down and repaired with 6' of PVC pipe at the mainline sewer.	DN
594	2025-07-15	91 ELLIOTT ST	ROAD FLOODING AND BASEMENT BACKUP	MUNICIPAL PROPERTY - MAIN LINE SURCHARGE	Went to site and Elliott St was cleared and resident reports backup into basement and flooding in road. Mainline showed signs of surcharge due to intense rain.	DBA
599	2025-07-15	43 NANCY AVE	SINKHOLE	MUNICIPAL PROPERTY - SINKHOLE	Went to site and sinkhole in road sank 8" with rain. Tap break in extruding into main. Will have JR ex remove and replace.	DBA
592	2025-07-15	2 CAMEO DR	BASEMENT FLOODS EVERYTIME IT RAINS	MUNICIPAL PROPERTY - MAIN LINE SURCHARGE	Went to site and Cameo had 8" of water above road and resident reporting sewers causing backup to houses. Intense rainfall causing mainline surcharge and system needed time to catch up. CBs clear and mains working good.	DBA
596	2025-07-15	18 KIMBALL AVE	ROAD FLOODING	MUNICIPAL PROPERTY - MAIN LINE SURCHARGE	Went to site and mainline surcharge and CBs not draining and system catching up. Mainline surcharge and backup likely due to intense rain in short period of time.	DBA
593	2025-07-15	13A LUTSCH AVE	ROAD FLOODING	MUNICIPAL PROPERTY - MAIN LINE SURCHARGE	Went to site and Lutsch at Orange had 8" of water above road and resident reporting sewers causing backup to houses. Intense rainfall causing mainline surcharge and system needed time to catch up. CBs clear and mains working good.	DBA
602	2025-07-23	26 ALBERT ST	SEWER BACKUP IN BASEMENT	PRIVATE PROPERTY - SEWERS RUNNING NORMAL	Private issue and private cleanout along side of house surcharging onto neighbours property. Sent to building.	DBA
611	2025-07-28	8 LONGFIELD LANE	SEWERS RUNNING SLOW	MUNICIPAL PROPERTY - MAIN LINE STM EVENT	COMB sewer surcharge due to rain event July 28 2025 backup in basement.	DBA
617	2025-07-28	93 ELLIOTT ST	BASEMENT FLOODING AFTER HEAVY RAINS	MUNICIPAL PROPERTY - MAIN LINE STM EVENT	COMB sewer surcharge due to rain event July 30 2025 backup in basement. Mains running smooth.	DBA
605	2025-07-28	239 ROBSON RD	SEWERS RUNNING SLOW	MUNICIPAL PROPERTY - MAIN LINE BLOCKED	CBs not working in front of house. PW on site and cleared blockage.	DBA
614	2025-07-29	55 HODGINS ST	BASEMENT FLOODING AFTER HEAVY RAINS	MUNICIPAL PROPERTY - MAIN LINE STM EVENT	COMB sewer surcharge due to rain event July 30 2025 backup in basement.	DBA
531	2025-07-29	72 ORANGE ST	SEWER BACKUP IN BASEMENT	PRIVATE PROPERTY - SEWERS RUNNING NORMAL	Septic tank full and and not working properly, allowing sout and sand down the lateral line.	DN
620	2025-08-05	56 JOHN ST	SEWER BACKUP IN BASEMENT	PRIVATE PROPERTY - SEWERS RUNNING NORMAL	Resident reports water in basement. Sewers running normal. Waterproofing around house and drainage seems to be causing the issue and advised that new cleanouts can be used to hook up STM drainage.	DBA
622	2025-08-17	108 ERIE ST N	PARKING LOT FLOODS EVERYTIME IT RAINS	MUNICIPAL PROPERTY - TREE ROOTS IN LINE.	Went to site and replaced section from OGS to main. Old clay with lots of roots and big hole under road. Repaired and placed cleanout on south side of sidewalk.	DBA
623	2025-08-17	20 WHITNEY AVE	SINKHOLE IN ROAD	MUNICIPAL PROPERTY - MAIN LINE BROKEN	Big Bear on site for main repairs causing sinkhole. Section of main with broken bottom and bell replaced with PVC.	DBA
625	2025-10-13	6 AUDREY ST	SEWER BACKUP IN BASEMENT	PRIVATE PROPERTY - NO CLEANOUT	No cleanout at PL. Advised resident to eel line to clear blockage until JJ Lepera installed cleanout as part of sewer project.	DBA/DN
627	2025-10-21	6 KIMBALL AVE	CLEANOUT SURCHARGED	MUNICIPAL PROPERTY - TREE ROOTS IN LINE.	LSI rootcut ltral line from cleanout at propertyline. 100% clean.	DN
630	2025-11-23	22 GRACE AVE	WATER BACKUP IN BASEMENT	PRIVATE PROPERTY - SEWERS RUNNING NORMAL	Sewer issue at 22 Grace Ave. Mains running smooth and cleanout clear to main. Resident reports water coming in from basement wall, could be ground water as it only occurs periodically. Private issue.	DBA

Appendix H
Sewage Works Mapping



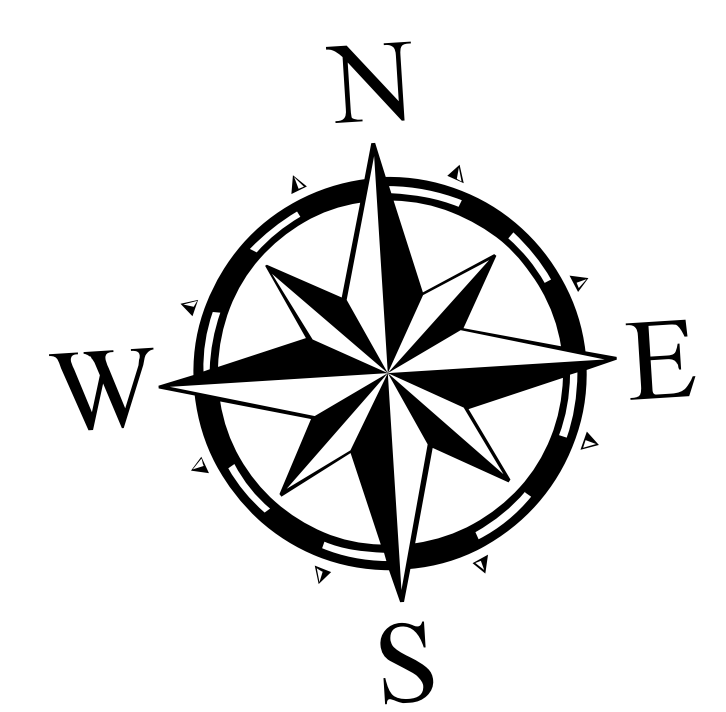


Legend

- Sanitary Sewer Pumps
- Overflows
- Combination Sewer Mains
- Sanitary Sewer Mains
- - - Sanitary Sewer Forcemains

Catchment Areas

- ANFRED PUMP
- BEVEL LINE PUMP 1
- BEVEL LINE PUMP 2
- BEVEL LINE PUMP 3
- BEVEL LINE PUMP 4
- CHERRY LANE
- PCC DIRECT
- ERIE GLEN PUMP
- ERIE SHORES
- ERIE SOUTH PUMP
- MALIBU PUMP
- PETER
- PICKWICK
- SANDY LAKES PUMP
- SEACLIFF PARK
- SELKIRK
- WILLOUSA PUMP
- Parcels



TITLE: MUNICIPALITY OF LEAMINGTON - 2025 SEWER MAP

SCALE: 1:4,900

0 205 410 820 1,230 1,640 Meters

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 111 Erie Street North, Leamington, Ontario N8H 2Z9
 TEL: (519) 326-5761 FAX: (519) 326-2481

Date: 02/26/2024



Appendix I
2025 Significant Drinking Water Threat Assessment Report for
Proposed Alterations – Sewage Collection System



Introduction

This Significant Drinking Water Threat Assessment Report for Proposed Alterations to the municipal sewage collection system has been completed in accordance with the Consolidated Linear Infrastructure – Environmental Compliance Approval (CLI-ECA) Number 033-W601. Schedule E, Section 7.0 of the CLI-ECA requires the owner to prepare a report outlining Proposed Alterations to the Authorized System and to update that report annually. This report summarizes alterations up to and including December 31, 2025.

The CLI-ECA applies to the following prescribed drinking water threat activity, as per O.Reg. 287/07 under the Clean Water Act, 2006 Section 1.1(1):

- 2. the establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.

The applicable sub-threats under this prescribed threat are:

- 2.5 Wastewater collection facilities and associated parts: sanitary sewers;
- 2.6 Wastewater collection facilities and associated parts: outfall of a combined sewer overflow (CSO) or a sanitary sewer overflow (SSO) from a manhole or wet well;
- 2.7 Wastewater collection facilities and associated parts: sewage pumping station or lift station wet well, a holding tank or a tunnel.

The Clean Water Act, 2006 outlines the prescribed threat, however, the sub-threats, details and definitions are contained in the **2021 Technical Rules** which can be found here: <https://www.ontario.ca/page/2021-technical-rules-under-clean-water-act>. Part XII of this document outlines the rules for defining sub threats and circumstances for drinking water threats and Part XII.2 of the document outlines the Tables of Drinking Water Quality Threats and Sub-Threats. Part XII of the document is also searchable online at <https://threats.swpip.ca/>

For this report, capitalized terms are defined under Schedule D of the CLI-ECA. Namely:

“Authorized System” means the Sewage Works comprising the Municipal Sewage Collection System authorized under this Approval”.

Significant Drinking Water Threat Assessment Report for Proposed Alterations - Sewage Collection System

“Alteration(s)” includes the following, in respect of the Authorized System, but does not include repairs to the system:

- a) An extension of the system,
- b) A replacement or retirement of part of the system, or
- c) A modification of, addition to, or enlargement of the system.

Evaluation of Circumstances

As required by the CLI-ECA under Schedule E Section 7.2.1, this section describes the Significant Drinking Water Threats for the Leamington Sewage Collection System, located in:

- a) The Event Based Area (EBA) for the Handling and Storage of Fuel in the Essex Region Source Protection Area (ERSPA)
- b) The Significant Groundwater Recharge Area (SGRA)
- c) The Highly Vulnerable Aquifer (HVA)

There are no circumstances under which the applicable sewage sub-threat activities could pose a Significant Drinking Water Threat in the above-named vulnerable areas. There are no applicable policies in the Essex Region Source Protection Plan for the applicable sewage sub-threat activities in the above-named vulnerable areas.

Therefore, there are no circumstances under which Proposed Alterations to the Authorized System could pose a Significant Drinking Water Threat based on the Director’s Technical Rules established under the *Clean Water Act* within the above-named vulnerable areas in Leamington. As such, no further action is required in response to Schedule E, sections 7.2.2, 7.2.3, or 7.2.4

Outline of Methodology to Determine Significant Drinking Water Threats for Pre-Authorized Works

As required by Schedule E, Section 7.2.2 of the CLI-ECA, the following is provided as an outline of how the Owner assesses proposed Alterations to identify drinking water threats under the CWA.

A Significant Drinking Water Threat assessment is completed each time an Alteration is proposed by reviewing the project location relative to the vulnerable areas previously mentioned. This is done using the following process:

Significant Drinking Water Threat Assessment Report for Proposed Alterations - Sewage Collection System

1. Launch the Ministry's Source Protection Information Atlas.
2. Under Map Legend, Water Quality Layers select Intake Protection Zone 1, 2 and 3, Event Based Areas, Highly Vulnerable Aquifers, and under Water Quantity Layers select Significant Groundwater Recharge Area.
3. Select the location on the map where the project will occur.
4. Click on "Location, Policy, PTTW results". The Water Quality tab will tell you which vulnerable areas the project location may overlap with and their vulnerability scores. As described below there are no vulnerable areas in Leamington where sub-threats 2.5, 2.6 or 2.7 are considered to be Significant Drinking Water Threats. Therefore, no action is required beyond making note of the vulnerable areas in which the Works occur.
5. The IPZ 3 for Union Water Supply System (UWSS) and Wheatley Water Treatment Plant (WWTP) overlap with the Municipality of Leamington, however as per the Technical Rules, is not assigned a vulnerability score and therefore no Significant Drinking Water Threats are identified for the applicable sub-threats under the sewage prescribed threat (p. 15, Essex Region Source Protection Plan). Similarly, the EBA for UWSS and WWTP overlaps with the Municipality of Leamington, however the only SDWT in this area is the handling and storage of large volumes of liquid fuel, which cannot be addressed by a CLI-ECA.
6. Some areas of the Municipality of Leamington are within Highly Vulnerable Aquifers and/or Significant Ground Water Recharge Areas. There are no SDWT activities associated with these vulnerable areas.

Summary of Design Considerations and Other Measures

As required by Schedule E, Section 7.2.3, and 7.2.4 of the CLI-ECA, there are no components or equipment that require alterations, or design considerations, required to mitigate risks resulting from construction or operation of the components, equipment or Sewage Works.

Conclusion

This Significant Drinking Water Threat Assessment Report for Proposed Alterations has been completed in accordance with CLI-ECA Number 033-W601, for the projects listed in Table 1. A map outlining the project areas relative to the EBA, HVA and SGRA is appended to this report.

This report summarizes the period up to and including December 31, 2025.

Significant Drinking Water Threat Assessment Report for Proposed Alterations - Sewage Collection System

Table 1: 2025 Significant Drinking Water Threat Project Summary

Project Name	Significant Drinking Water Threat	Mitigation Measures
Seacliff West Roundabout and Clearwater Street Sewer and Road Reconstruction	No	N/A
Margaret, Audrey, Jane, Claire and Sherk Street Sewer Separation and Road Reconstruction	No	N/A
Queen, John, Albert, Baird and Elliott Street Sewer Separation and Road Reconstruction	No	N/A



Legend

- WaterTreatmentPlant
- EventBasedArea
- HighlyVulnerableAquifer
- SignificantGroundwaterRechar
- Sewer Separation & Road Reconstruction (Margaret, Audrey, Jane, Claire & Sherk)
- Seacliff W Roundabout, Clearwater St Sewer & Road Reconstruction

1:7,000



355.6 0 177.80 355.6 Meters

2/25/2026 9:21 AM

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THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes



Legend

- WaterTreatmentPlant
- EventBasedArea
- HighlyVulnerableAquifer
- SignificantGroundwaterRechar
- Sewer Separation & Road Reconstruction (Queen, John, Albert, Baird & Elliot)

1: 4,200



213.4 0 106.68 213.4 Meters

2/25/2026 8:47 AM

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Notes