

Report to Committee of the Whole

Date: 3/10/2025
From: Chad Kean, Manager of Public Works
Re: CCTV Scope of Work Proposal

RECOMMENDATION

THAT the Committee of the Whole receive for information the report regarding the CCTV Scope of Work Proposal;

AND FURTHER THAT the Committee directs staff to bring the final request of the proposed CCTV of storm and sewers outlined in this report to the March 24th Regular Council Meeting;

AND FURTHER THAT the proposed budgeted amount of \$25,000 be drawn from the “Studies” in the 2025 Capital Water and Wastewater budget to cover the cost of this proposed scope of work.

BACKGROUND

At the Regularly Scheduled Committee of the Whole Meeting on February 10, 2025, the following item was passed under the Planning section:

8. Planning

8.1 Strategy for Sanitary Capacity Improvements

Moved By Mayor Cameron

Seconded By Councillor Ireland

THAT the Committee of the Whole receive for information the documents provided by Neil Caldwell regarding the various infrastructure initiatives for the sanitary capacity system.

Carried

Further to the above, at the June 27th, 2022 Council Meeting, Council received the Merrickville Infiltration and Inflow Report (attached for reference) and approved in principle the recommendations in the report and directs staff to pursue implementing the recommendations appropriate.

Moved by Councillor Foster, Seconded by Councillor Ireland
Be it hereby resolved that:

Whereas the Council of the Corporation of the Village of Merrickville-Wolford does hereby receive the following documents from Jp2g Consultants dated June 24th, 2022: Servicing Assessment and Capacity Next Steps, Uncommitted Capacity Calculation Impacts, Merrickville STP Uncommitted Reserve Capacity Update Combined, and Merrickville Infiltration and Inflow Report; and

Whereas Council acknowledges that the Village must manage development municipal servicing within parameters set by the Ministry of Environment, Conservation, and Parks (MECP) and that MECP Guidelines D-5-1, Calculation of Uncommitted Reserve Capacity, is a tool to allow the Village and MECP to calculate the available capacity of the Merrickville Wastewater Treatment Plant (STP) to reduce the potential for plant flow exceedances and to plan for future expansions and/or optimization and extraneous flow reduction; and

Be It Therefore Resolved That Council does approve in principle the recommendations in the reports and directs staff to pursue implementing the recommendations as appropriate; and

Be It Therefore Resolved That Council recognizes there are a number of infill development applications currently in the queue, which will have an impact on the Village STP capacity, therefore each application for development within the Urban Area Boundary of the Village shall continue to be brought to Council for consideration and decision on a case-by-case basis.

ANALYSIS

There has been positive discussion from the information provided by JP2G in regard to the current infrastructure deficiencies and proposed projected plans for Council to consider.

Below is a high-level summary of the information provided by Neil Caldwell at the February 10th Council Meeting:

1. Identify Capital Works to be addressed based on condition and need (to form part of an asset management plan update)

- *Obtain ratings for sewer, water, road from OCWA assessment*
- *Create mapping of immediate, 1-5yr, 5-10yr needs for each system (sanitary, storm, water, road, pedestrian)*
- *Review with Public Works and revise to suit preferred order*
- *Combine with Roads Needs Assessment, Equipment, and Structures requirements*

- *Develop 10-year capital plan (outline only) to address current infrastructure needs*
- 2. To Develop Rehabilitation Projects (Reduce infiltration/inflow and address system deficiencies) once projects have been identified**
- *One Shovel Ready Project (+/- \$2m capital cost)*
 - *Survey, design, and tender package*
- 3. Schedule C Municipal Class EA or Infrastructure Master Plan (Recommended) for service area expansion for sanitary, water, and stormwater**
- *Master plan is recommended based on potential developments and options on both sides of the river*

As an update to Council for the status of the above listed items, staff offer the below in association to the three points:

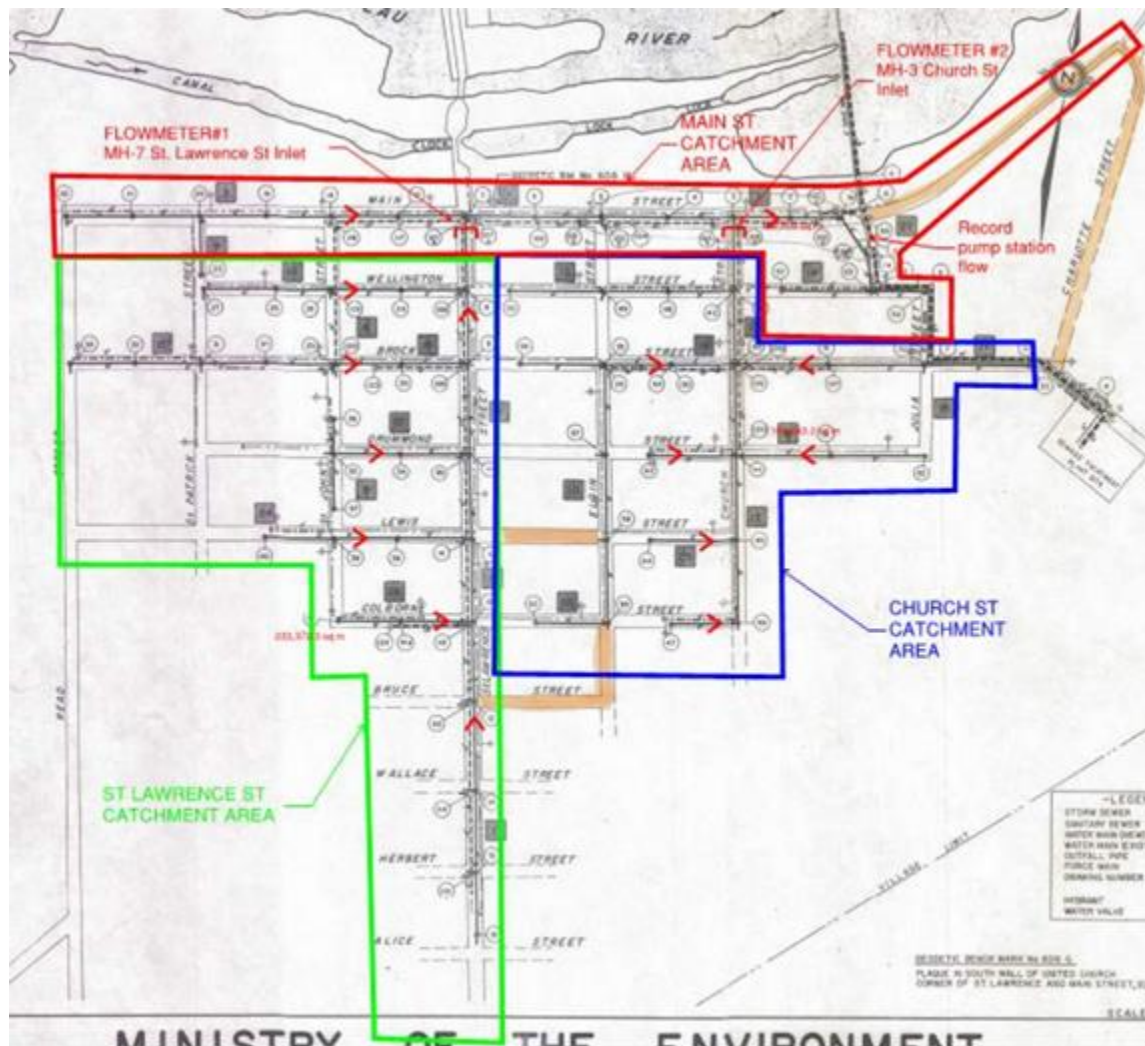
- 1) Staff are working toward a fulsome approach and understanding of the existing infrastructure with accurate data in order to prioritize the areas for reconstruction within the Village of Merrickville.
- 2) Once the information is collected and reviewed / cross reference with the status of the various elements of infrastructure (sewer, storm, water, road base and surface, sidewalks), a proposal for a project will be proposed to Council for reconstruction. This is anticipated to be provided as a capital project in the 2026 budget
- 3) This was recommended by JP2G, and staff are supportive of advancing this forward. The Master Plan will encompass the public consultation phase and ECA process – such that a supportive plan can be used for funding applications as well as providing an understanding of the projected growth of the Village and replacement schedule of existing infrastructure (what roads are prioritized for reconstruction and in what order – inclusive to water, sewer, storm, road base, asphalt, sidewalks).

In regard to the first point above, staff have been working with JP2G to clarify the various documents into a complete package along with the proposal to CCTV the sewer and storm network in the St. Lawrence Catchment and Main Street Catchment (from St. Lawrence easterly). The goal is to create various 'layers' for the several types of infrastructure; such as water mains, sewer lines, storm sewer lines, road condition, and sidewalk condition. The intent is to thereafter use the data to prioritize the road segments for reconstruction.

According to the Infiltration and Inflow Study prepared by JP2G in June 2022, it was determined that the Church Street Catchment area was not heavily impacted by runoff, therefore the focus was proposed to be on the Main Street and St. Lawrence Catchment

areas (with the understanding that St. Patrick, Drummond, and Lewis was recently reconstructed and CCTV).

The Catchment areas are provided below for added clarity:



This CCTV is also intended to be undertaken in the early Spring (April) in order to capture any infiltration in the existing infrastructure. Areas of infiltration is of high importance to capture the location and thereafter plan for repairs to minimize the infiltration and reduce added unnecessary strain and capacity to the wastewater plant in the Village.

BUDGET/LEGAL IMPLICATIONS

Staff obtained rough costs for the proposed CCTV and propose a budget value of \$25,000.

Staff recommend that this amount be drawn from the Water and Wastewater “Studies”.

Once the data is received and reviewed with the areas identified for grouting / repairs for possible infiltration, this will be presented to Council with the recommendation to draw the funds from “Grouting”. A future report will be provided to Council for the repairs scope of work.

New Capital Projects	2025 Budget
Water & Wastewater	
Studies	\$100,000
Contingencies	\$25,000
Grouting	\$50,000
Forcemain Testing	\$15,000
Transfer to Reserve	\$76,510
Totals	\$266,510

CONCLUSION

Staff recommend proceeding with the CCTV scope in order to obtain accurate and current data. This data will be used to determine areas of infiltration for immediate repairs, as well as data for assisting with prioritizing road segments in the Village of Merrickville for reconstruction.

OTHERS CONSULTED

Kirsten Rahm; Manager of Finance / Treasurer

Julia McCaugherty-Jansman; Clerk

ATTACHMENTS

Appendix A; Final Infiltration and Infill Report

Submitted by:

Chad Kean, Manager of Public Works

Approved by:

Darlene Plumley, CAO