



WEST HANTS REGIONAL MUNICIPALITY REPORT

Information ☐	Recommendation ☐	Decision Request ☐	Councillor Activity ☐
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To: West Hants Regional Municipal Council

Submitted by: Jim Ivey, Councilor, Windsor South District 11

Date: August 28, 2024

Subject: Storm Sewer System Information Requests

LEGISLATIVE AUTHORITY

Meeting and Committee Procedural Policy – Councillor Reports

RECOMMENDATION or DECISION REQUEST

Information Request – Motion if appropriate to be determined

BACKGROUND

Property ✓	Public Opinion ✓	Environment ✓	Social ☐	Economic ☐	Councillor Activity ✓
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Over the last three years many discussions have been held on the stormwater and sewer systems within Windsor and West Hants. While a large volume of information has been shared, some questions remain unresolved. From the issuance of the initial draft flood study report in December 2023 to the current state of the phase 2 report, it seems an appropriate time to resolve some questions and potential areas of uncertainty.

DISCUSSION

One of the key areas within the initial report that we sought to determine and possibly address was with concern for our stormwater capacity and the existing sewer system through which it flows. The majority of the focus in the report is on the complex pipe network throughout the system. Following the flood events of 2021 and since that time it has been repeated many times

that the system performed as designed or that it performed as built. No detail has really been provided as to what it means to say the 'system performed as designed'

Little attention has been given to the mechanical machines and technology that processes the flow of the combined sewer and storm system to its points of deposit.

The following questions are therefore put forward.

Wastewater Treatment Plant

- What is the designed capacity or capability of the wastewater treatment plant off Colonial Drive (constructed 2015 – 2016)?
- Does it have an overflow capability and has it ever overflowed?
- Has the wastewater treatment plant ever backed up such that the influent was unable to be received from Pump Station 7?

Pump Station 7

- What is the designed capacity or capability of Pump Station 7 and the force main that exists between it and the wastewater treatment plant off Colonial Drive?
- Which pumps are currently operating at Pump Station 7? Are they original pumps or are they new pumps?
- Has Pump Station 7 ever backed up with its outflow between its location and the wastewater treatment plant?
- Has Pump Station 7 ever backed up between its location and Pump Station 1 or any other location along the line?
- Does it have an overflow capability and has it ever overflowed?

1500 MM Waterfront Pipe

- Has the 1500 mm pipe along the waterfront been inspected recently by camera?
- Has the grade of the pipe been checked recently? Specifically has the grade of the pipe under the newly twined highway been reviewed or inspected since its completion in 2021-22?
- It's been said that the flow of the combined storm and wastewater can become 'static', which appears to convey 'stop flowing'. Is this the intent of the word static – to convey stop flowing? If the flow in the 1500 mm pipe has ever become static or stopped flowing; what was the cause of it to stop flowing?

Pump Station 1

- What is the designed capacity or capability of Pump Station 1 and the pumps that exist within it?
- Which pumps are currently operating at Pump Station 1? Are they original pumps or are they new pumps?
- How often does Pump Station 1 overflow?
- When pump station 1 overflows - what is the primary cause of its overflow?

Maintenance

Annually between 2020 and 2024 how often has maintenance been undertaken on

- the 1500 mm pipe?
- Pump Station 1?
- Pump Station 7?
- Pipes, manholes and catch basins on Stannus, in Elmcroft Park, along the Cunnable Creek trunk sewer and along the Albert Street trunk Sewer?
- When was the last time we camera reviewed the system for the pipes, manholes and catch basins on Stannus, in Elmcroft Park, along the Cunnable Creek trunk sewer and along the Albert Street trunk Sewer
- Has the system ever been clogged sufficiently during this period or otherwise that the vac trucks were unable to properly clean them out?

NEXT STEPS

TBD

FINANCIAL IMPLICATIONS

TBD

ALTERNATIVES

N/A

ATTACHMENTS

(List any attachment to the report, if anything.)

CHIEF ADMINISTRATIVE OFFICER REVIEW

Report Prepared by: _____

Jim Ivey, Councillor, Windsor South, District 11

Report Reviewed by: _____

(Name and Title)

Report Approved by: _____

(Name and Title)