

File 121387-3

July 21, 2026

Mason Bellamy
Manager of Engineering Services
City of Owen Sound
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Re: 9th Avenue East – Road Rehabilitation & Watermain Replacement – Superior Street to 6th Street East, City of Owen Sound
Superior Street Watermain Replacement

Dear Mason:

Further to our recent discussions, the City of Owen Sound (City) is evaluating the addition of 190 metres of watermain replacement on Superior Street to the active 9th Avenue East Road Rehabilitation & Watermain Replacement project. Per your request, Tatham Engineering (Tatham) has prepared this letter to outline the scope of work and summarize the benefits of completing the replacement in Fall 2026 as part of the above-noted project.

SCOPE OF WORK

The additional watermain work involves replacing 190 metres of watermain from the current project limit at the 930 Superior Street driveway to the 1010 Superior Street driveway. This additional section would connect directly to the Phase 2 looping watermain project installed in 2024 and extend to the new watermain being installed as part of the current 9th Avenue East project. If the City proceeds with this work, the entire watermain system in this area would be new.

According to City records, the existing 150 millimetre diameter cast iron watermain was installed in the 1950s or 1960s. If the City proceeds with the additional work, the aged watermain will be replaced with a 200 millimetre diameter PVC watermain, including restoration of the disturbed areas.

We note this section of watermain was originally included in the scope of the 9th Avenue East project but removed prior to tendering due to budget concerns by the City.

BENEFITS OF REPLACEMENT

We offer the following benefits of replacing the additional Superior Street watermain in 2026 as part of the 9th Avenue East project:

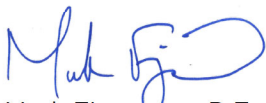
1. Significantly reduce the risk of watermain breaks and their associated costs and disruptions to customers. City operations staff have reported five breaks in this section of watermain since 1972. One specific break involved replacement of 1.5 metres of pipe, suggesting a catastrophic failure and/or inadequate pipe quality for the repair.
2. Improve domestic and fire flows. This year, City staff received complaints about reduced water pressure on 9th Avenue East south of Superior Street, which is fed directly from the section of aged watermain in need of replacement. City staff advised they observed reduced cross sectional area in the pipe from calcification in the pipe during watermain repairs. These flow restrictions present issues for both domestic water use and fire fighting.
3. Bring the water distribution system in the area up to current standards. From 2023 to 2026, three watermain construction contracts in this area of the City have replaced 1.9 kilometres of watermain. This 190 metre section is the only remaining section that is under 200 millimetre diameter and a material other than the City's standard PVC pipe.
4. Taking advantage of economies of scale. The contractor on 9th Avenue East is already mobilized, and as such, the City can realize a cost savings by adding the Superior Street watermain to the scope of work in Fall 2026. Completing the watermain replacement as a standalone project would have separate procurement, mobilization and traffic control costs that we expect would significantly increase the cost of the work.

CLOSING

Given the benefits of replacing the 190 metre section of watermain Superior Street as part of the City's current contract for the 9th Avenue East project, we recommend proceeding with the work in Fall 2026. Should you have any questions or comments pertaining to the additional watermain work, please do not hesitate to contact us.

Yours truly,

Tatham Engineering Limited



Mark Figueroa P.Eng.

Engineer, Group Leader – Municipal

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