



Public Information Centre

Northwest Trenton Water Capacity

October 25th, 2022

Location: City Hall, Council Chambers
Time: 6:30 pm





Background Information

The City of Quinte West owns the municipal water distribution system in Trenton. The City has identified the need for additional pressure and flow to support the water demands of future expansion in northwest Trenton. Currently, the primary transmission main to the northwest boundary of Trenton is a single 300mm watermain along Telephone Road.

These upgrades and recommendations will be carried out as a Schedule 'B' project under the terms of the Municipal Class Environmental Assessment (Class EA) process, which is approved under the Environmental Assessment Act.

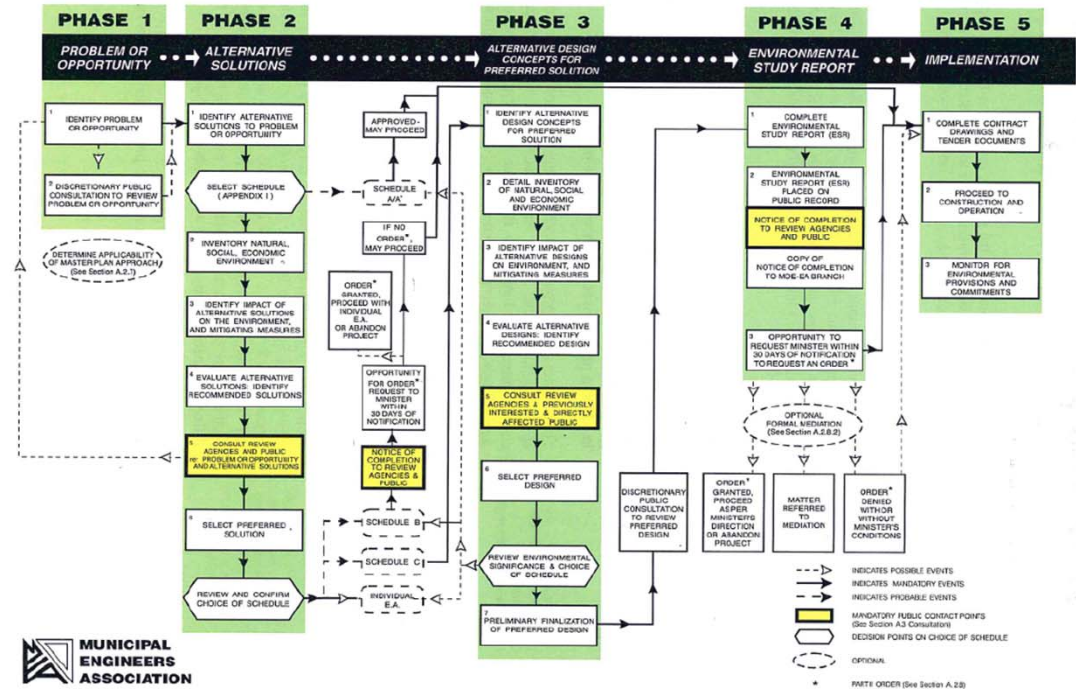


Municipal Class EA Process

- Meets the requirements of Ontario's Environmental Assessment Act by ensuring that potential environmental impacts of projects are considered.
- Consultation with the public and interested stakeholders including government review agencies and First Nations is required to identify environmental impacts of alternative solutions, develop mitigating measures and identify a preferred solution.

EXHIBIT A.2 MUNICIPAL CLASS EA PLANNING AND DESIGN PROCESS

NOTE: This flow chart is to be read in conjunction with Part A of the Municipal Class EA



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Alternatives

Do Nothing

This alternative would have the lowest capital cost and would involve using the existing water distribution network to support demands. This alternative is not feasible as it doesn't consider the demands of future expansion in northwest Trenton.

New Watermain on 2nd Dug Hill Road

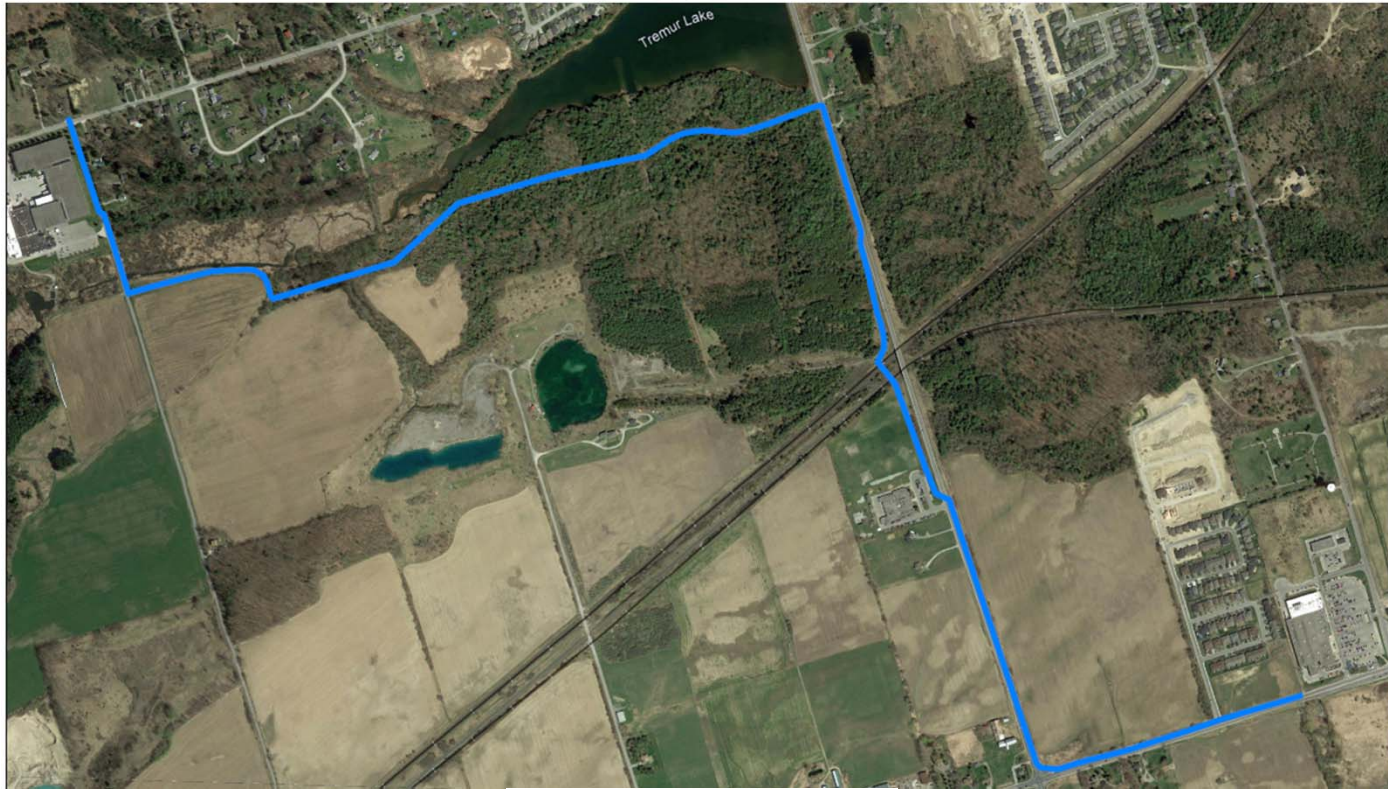
This option involved a new 300mm PVC watermain along the length of 2nd Dug Hill Road, connecting at the Walmart Water Tower and the Telephone Road Intersection. Although this option would increase flows, it was calculated to be insufficient to support future demands.

New Watermain on Country Road 40

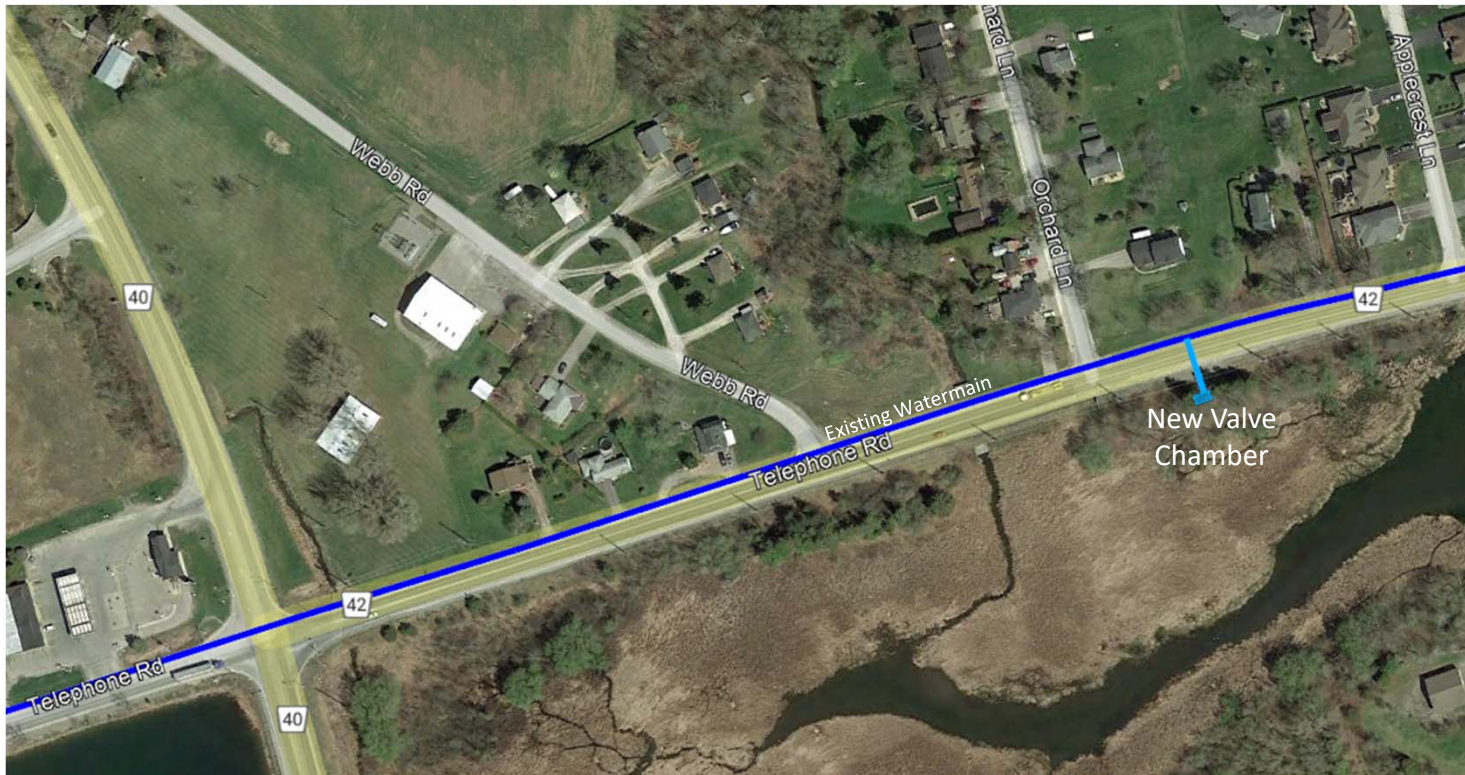
This option would involve a new watermain, of sizes 450mm to 500mm starting on Dundas Street West (Highway 2) at Walmart to the Tate Road/Telephone Road intersection through the Tremur Lake area and an additional valve chamber on Telephone road. This is the preferred alternative as it addresses future demand requirements.



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Preferred Alternative

- The preferred alternative is a new watermain starting on Dundas Street at Walmart, running westward to County Road 40 then Northward on County Road 40. It is proposed to travel west through the Tremur Lake area before traveling Northward on Tate Road, connecting to the existing watermain at Telephone Road.
- The preferred alternative consists of a 500mm watermain from Walmart to Murray Centennial Public School and a 450mm from the school to Telephone Road.
- This alternative requires one rail crossing of CN and CPR rail properties of approximately 70 m in length.



Preferred Alternative

- The proposed route passes through the Tremur Lake property. An Environmental Impact Study (EIS) and Species At Risk (SAR) assessment is being completed to develop appropriate mitigation measures for protection of SAR and the ecosystem through the Tremur Lake area.
- The project has involved collaboration with the Lower Trent Conservation Authority (LTCA) and the Ministry of Environment Conservation and Parks (MECP) to identify strict construction sequencing and timelines that minimize the affect on the environment during and after construction.
- A stage 1 and stage 2 archeological assessment has been completed for the Tremur Lake area to ensure construction areas are absent of cultural and historical assets.





Thank you

