WELCOME!

Waterdown Trunk Watermain Twinning
Schedule ‘B’ Class Environmental Assessment

Public Information Centre No. 1

Thursday, October 24, 2019 – 5:00 pm to 7:00 pm
Olympic Arena, 70 Olympic Drive, Dundas, ON L0R 2H5
WHY IS THIS STUDY BEING UNDERTAKEN?

The City of Hamilton has initiated a Schedule ‘B’ Class Environmental Assessment (EA) to investigate alternatives and select a preferred alignment for a new trunk watermain to service the community of Waterdown.

The need for a new watermain from Pumping Station (PS) HD016, located at York Road and Valley Road, to Waterdown was identified in the City’s Drinking Water Quality Management System (DWQMS) Infrastructure Review to:
   • Support projected growth in the Waterdown Community; and,
   • Provide security of supply to the existing Waterdown Community.

This Class EA study will determine the preferred alignment and design concept of the new trunk watermain.
WHY ARE WE HERE?

Study commencement
• Review of baseline data & information
• Identify stakeholder contact list

Spring & Summer 2019

Define problem & opportunity statement
• Prepare natural, hydrogeological, social, cultural, archaeological & economic inventory
• Identify potential impacts & how to address them
• PIC #1

Fall 2019

Identify & evaluate alternative alignments
• Select preliminary preferred watermain alignment
• PIC #2
• Identify impacts & how to address them
• Notice of study completion and public review period

Winter 2020

Final Class EA Project File Schedule “B”

Final Class EA Project File Schedule "B"

Identify design concept alternatives
• Finalize conceptual design

End Spring 2020

Provincial Process
This study is being planned as a Schedule “B” Class Environmental Assessment (EA), satisfying Phases 1 and 2 of the Municipal Engineers Association (MEA) Class EA process, which is a planning process approved under Ontario’s Environmental Assessment Act.

The Class EA process is a decision-making process that all Ontario municipalities follow for building new infrastructure. This process involves public consultation throughout the study.

City of Hamilton
77 James Street North, Suite 400
Hamilton, Ontario
L8R 2K3
Additional watermain from York and Valley Pumping Station (HD016), providing additional water supply to the Waterdown Community – Alignment to be determined through this Class EA

“Provide a servicing solution which supports existing and growth capacity needs, and increases security of water supply to the Community of Waterdown”
Through Phase 1 of the Class EA process, the following desktop studies were completed for the study area:

**Desktop Natural Environment Review**
- The inventory of Species at Risk, significant natural features, and wildlife habitats, within the study area, to determine the potential impacts of this project and the needed mitigation measures.

**Stage 1 Archaeological Assessment**
- The assessment of archaeological potential, within the study area, based on its historical use and potential for early Canadian and pre-contact Aboriginal occupation.

**Cultural Heritage Screening**
- The identification of properties, within the study area, with cultural heritage classification or potential, their constraints, and recommendations for further investigations or studies.

**Desktop Hydrogeological Study**
- The desktop review of hydrogeological conditions, Source Water Protection policy areas, and existing wells within the study area.
DESKTOP INVENTORIES

Archeological

Cultural Heritage

Hydrogeological

Archaeological Potential

Area of low archaeological potential due Highway 6 and 5 construction

Previously assessed: Stage 2 (ASL, 2011)

Previously assessed: New Directions Archaeology, 2011

Previously assessed: MTO, 2010

General Features

Highways

Major Roads

Railways

Urban Boundary

Municipal Boundary

Study Area

Cultural Heritage Features

City of Hamilton Heritage Inventory

Protected Heritage Properties

Cultural Heritage Potential

General Features

Highways

Major Roads

Railways

Urban Boundary

Municipal Boundary

Study Area

Site Physiography

Escarpments

Sand Plains

Till Moraines

Ministry of Environment, Conservation, and Parks

Well Records

Unknown

Irrigation

Domestic

Livestock

Commercial

Monitoring

Industrial

Not Used

City of Hamilton

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EVALUATION CRITERIA

Environmental
- Proximity and potential impact to environmental features, protected areas, and Species at Risk.
- Potential impacts to water resources and natural features.
- Geology, hydrogeology, and contamination considerations.

Social and Cultural
- Community and traffic considerations.
- Noise, vibration, dust, and odour considerations.
- Cultural heritage resources.
- Archeological resources.

Legal / Jurisdictional
- Land use, land size, availability, and location.
- Permit requirements.
- Ownership, legal, and jurisdictional considerations.

Technical
- Technical viability through ability to meet existing and future servicing needs.
- Supports redundancy of supply capacity.
- Accommodates existing utilities and infrastructure.
- Ease of construction and operation.

Financial
- Capital costs.
- Operation and maintenance costs.
- Lifecycle cost considerations.

Evaluating the Options
With input from the public, key stakeholders, and review agencies (Ministries, Conservation Authorities), the project team will develop and use criteria to evaluate options for the new trunk watermain alignment.
PUBLIC FEEDBACK

Please provide feedback throughout this study

Stay Involved:
• Sign up for project updates
• Complete the response form
• Attend Public Information Centre No. 2

Today
Input on the Class Environmental Assessment process and study considerations.

Public Information Centre 2
Input on the evaluation, selection, and conceptual design of the preliminary preferred alternative.

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