WELCOME!

Waterdown Trunk Watermain Twinning Schedule ‘B’ Class Environmental Assessment

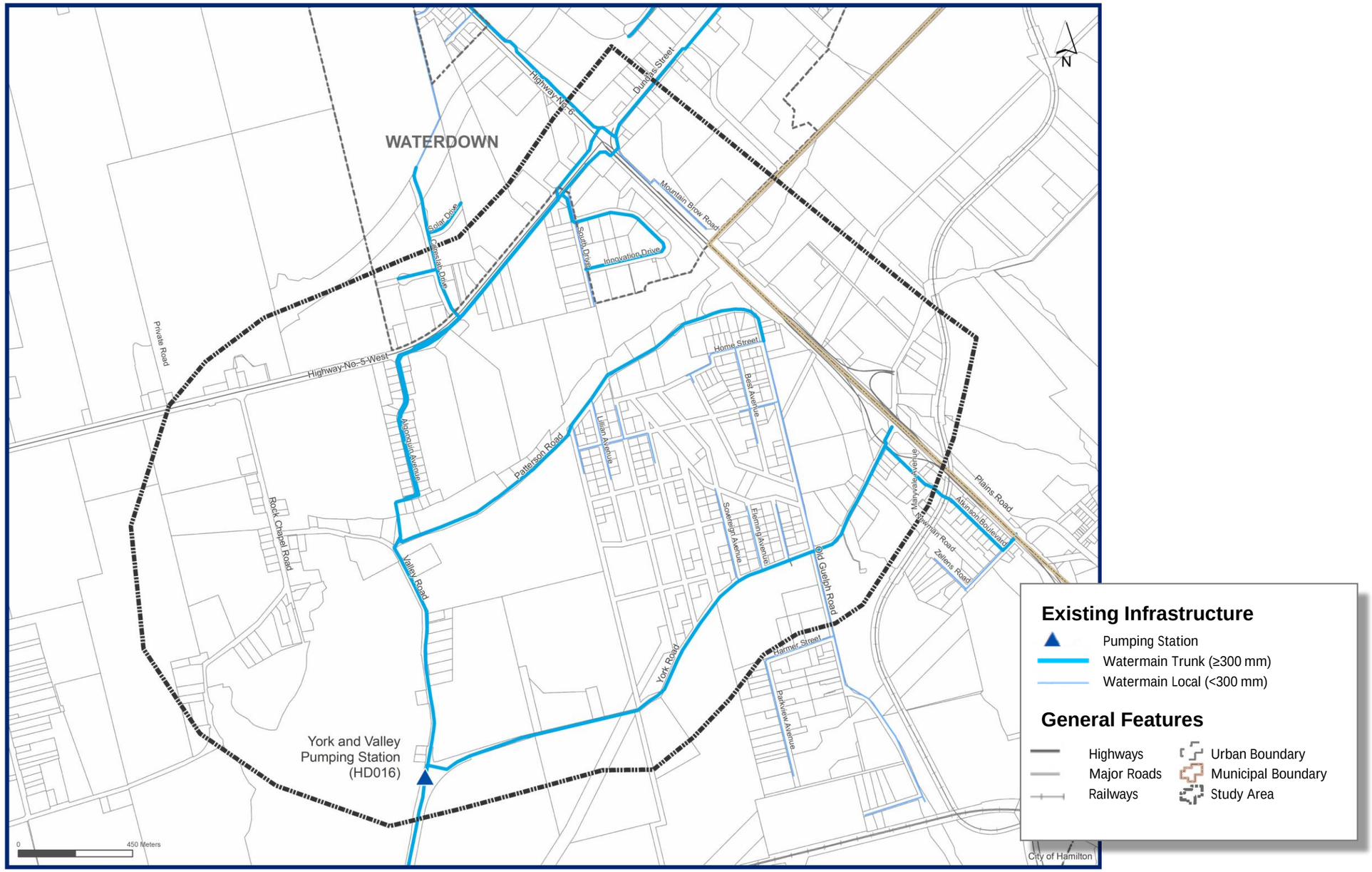
Public Information Centre No. 1

Thursday, October 24, 2019 – 5:00 pm to 7:00 pm
Olympic Arena, 70 Olympic Drive, Dundas, ON L0R 2H5

Hamilton

City of Hamilton
77 James Street North, Suite 400
Hamilton, Ontario
L8R 2K3

WHERE IS THIS STUDY LOCATED?



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WHY IS THIS STUDY BEING UNDERTAKEN?

Study Overview

- 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.

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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

We are here

- 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

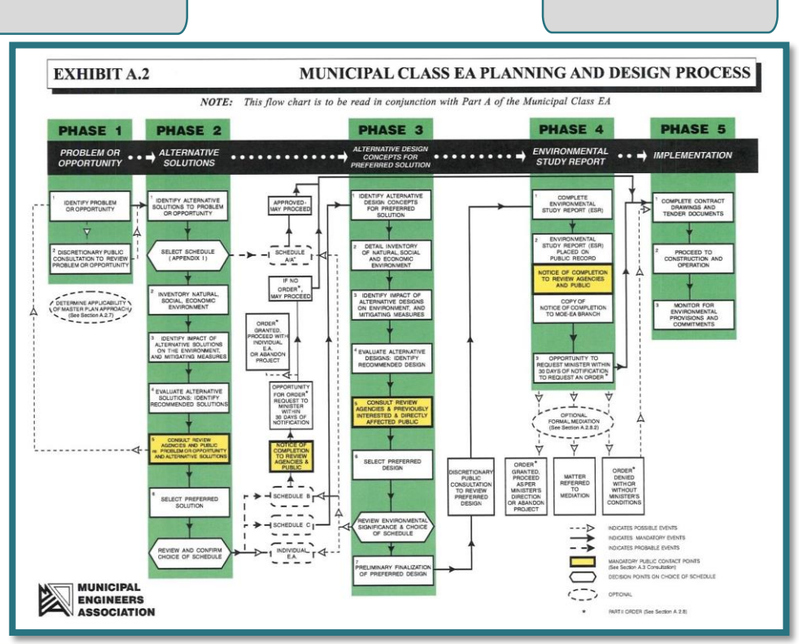
Winter 2020

Final Class EA Project File Schedule "B"

Spring 2020

- 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.

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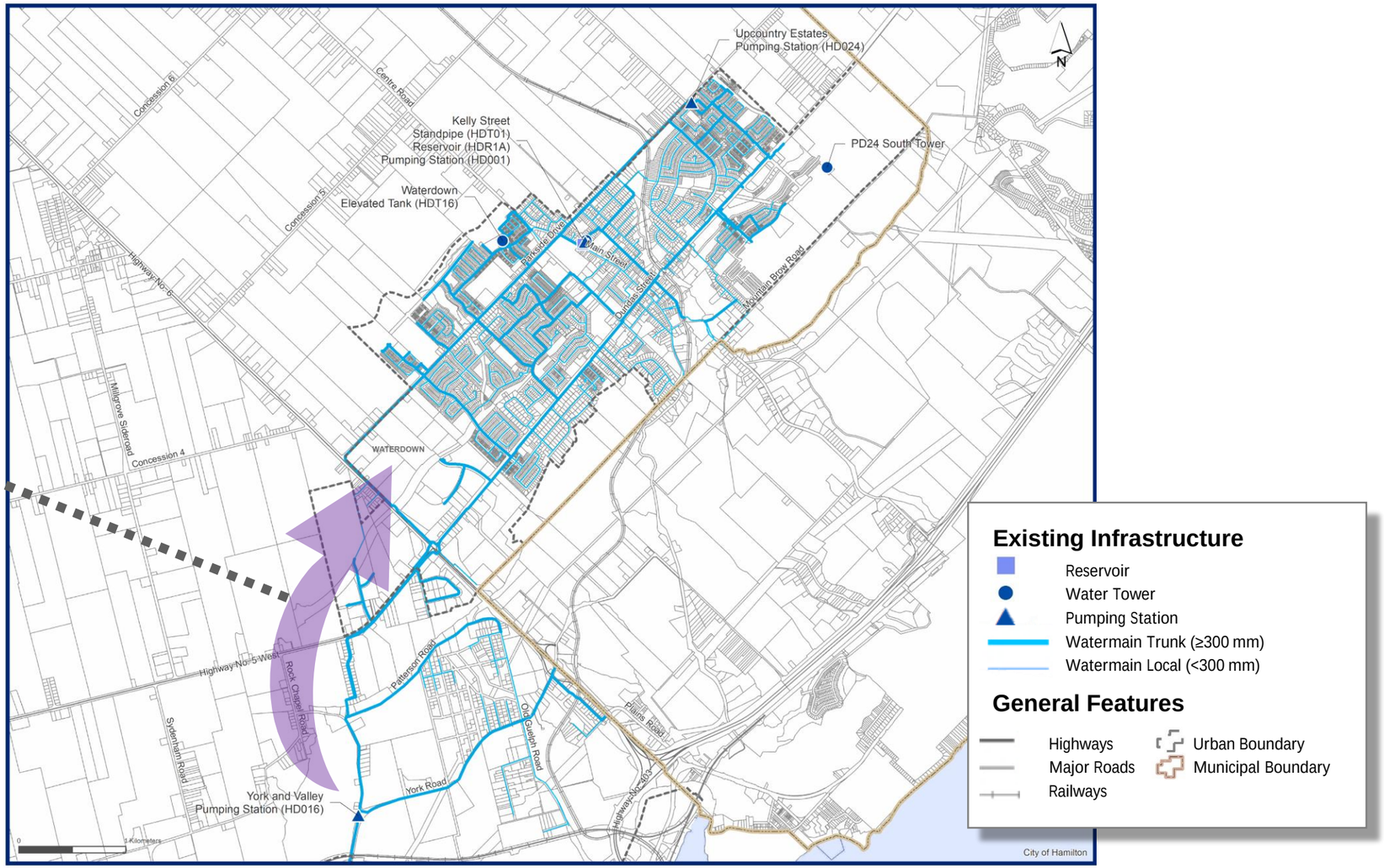
STUDY PROBLEM / OPPORTUNITY STATEMENT

“Provide a servicing solution which supports existing and growth capacity needs, and increases security of water supply to the Community of Waterdown”

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



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DESKTOP STUDIES

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 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.

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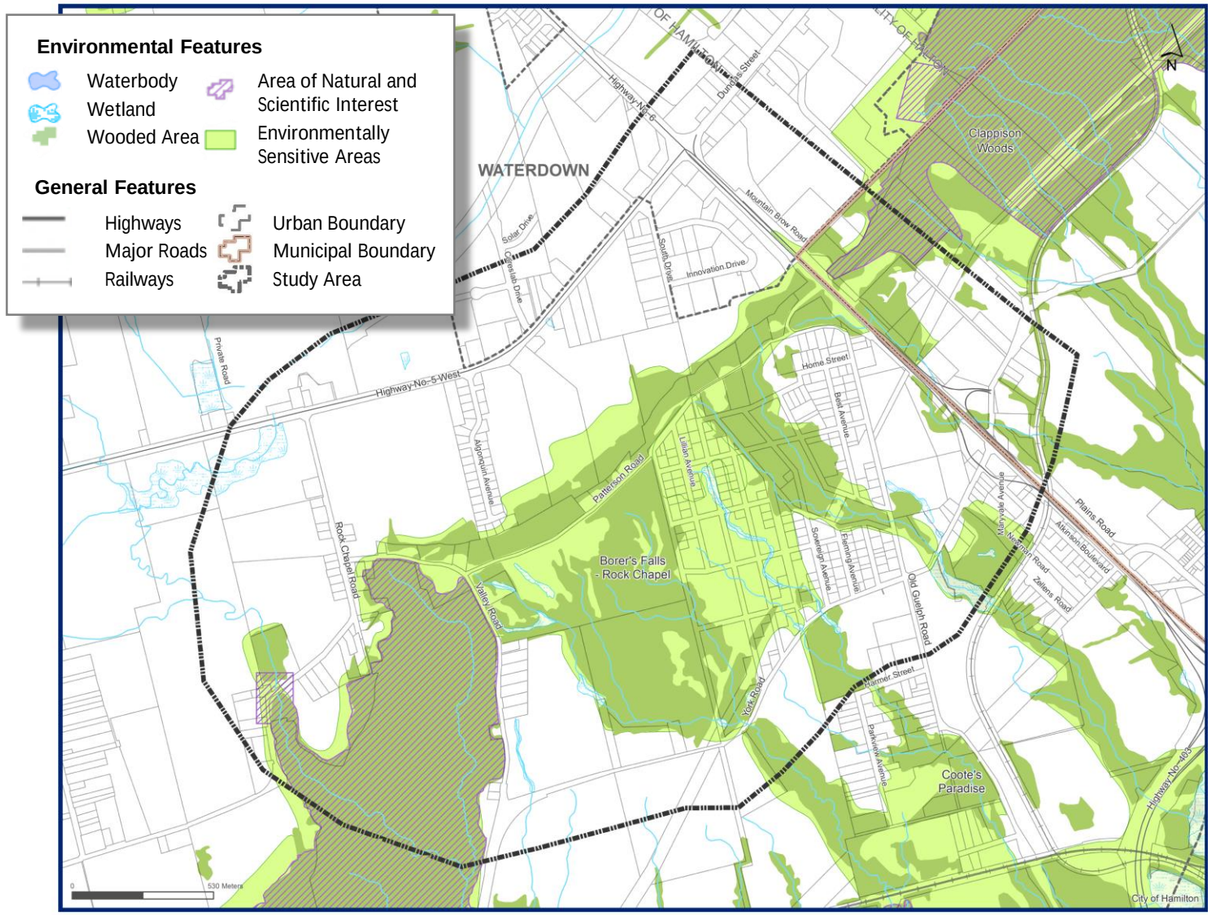
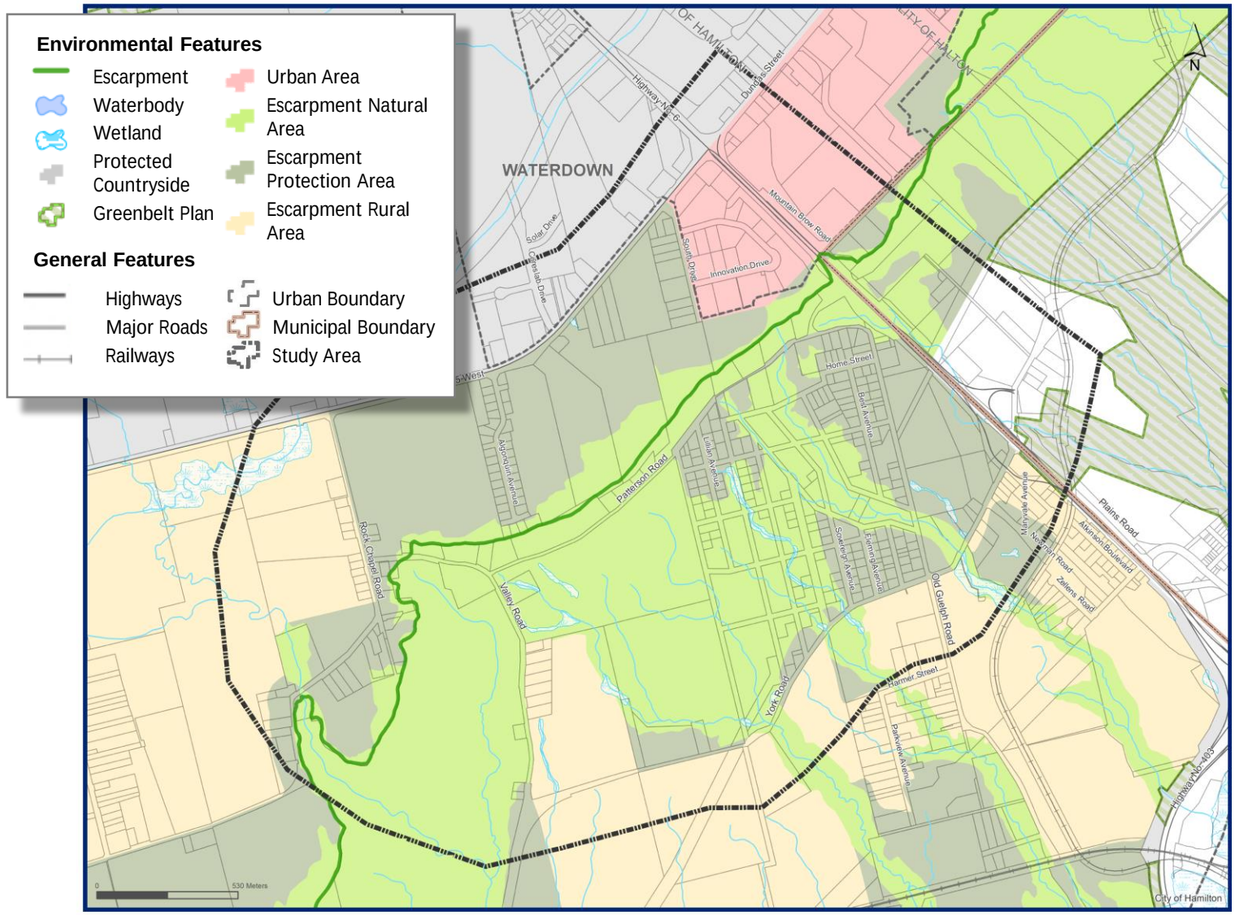
DESKTOP INVENTORIES

Natural Heritage Features



Niagara Escarpment Plan Area



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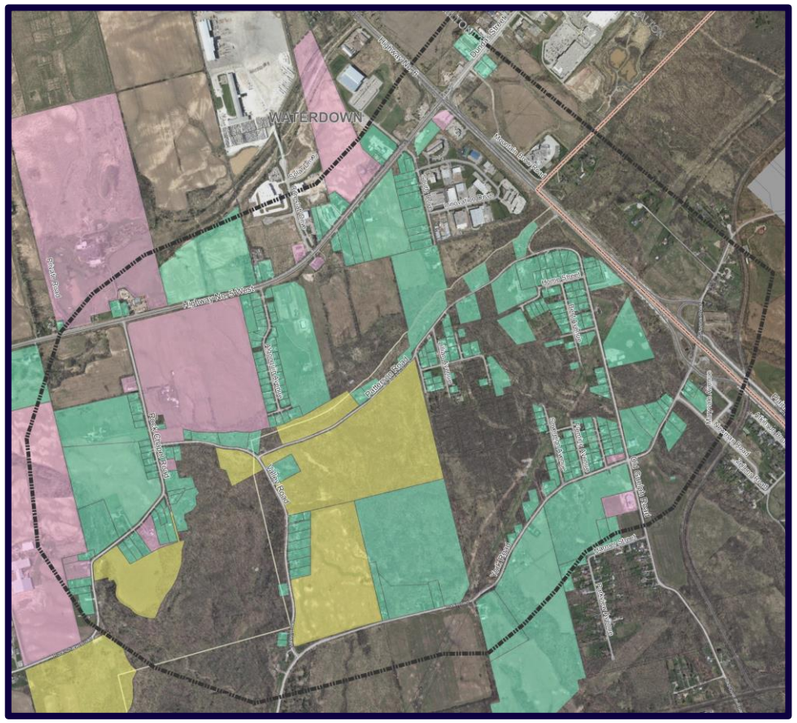
DESKTOP INVENTORIES

Archeological

Archaeological Potential

- Study area
- Area of archaeological potential (excluding existing pavements and house footprints)
- Previously assessed, Stage 2 (ASI, 2011)
- Previously assessed,(MTO, 2010)
- Area of low archaeological potential due Highway 6 and 5 construction
- Previously assessed. Staae 1, (ASI, 2016)
- Previously assessed,(New Directions Archaeology, 2011)
- Previously assessed,(ASI, 2002)

Cultural Heritage



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

Hydrogeological

General Features

- Highways
- Major Roads
- Railways
- Urban Boundary
- Municipal Boundary
- Study Area

Site Physiography

- Escarpments
- Till Moraines
- Sand Plains

Ministry of Environment, Conservation, and Parks Well Records

- Unknown
- Domestic
- Commercial
- Industrial
- Public
- Irrigation
- Livestock
- Monitoring
- Not Used

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