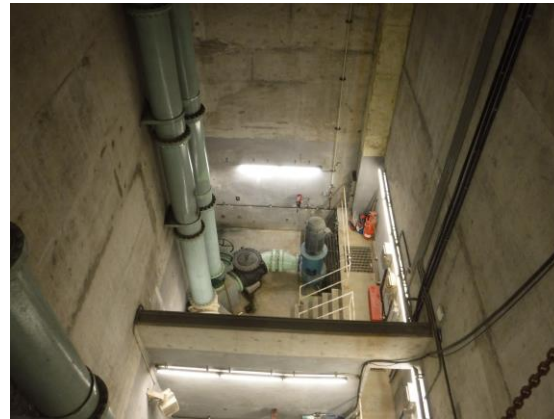


# WELCOME



## Empey Street Wastewater Pumping Station Upgrades Municipal Class Environmental Assessment Public Information Centre (PIC)



Posted: May 27, 2021



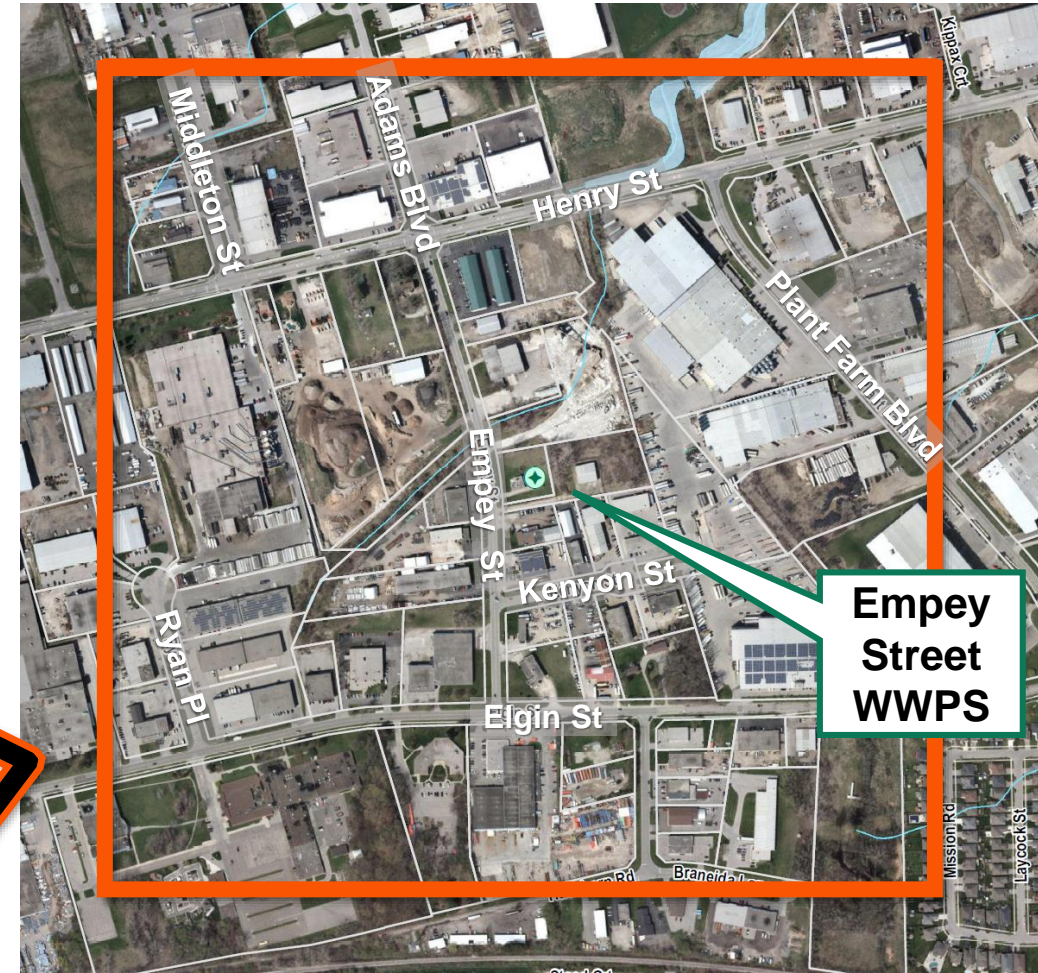
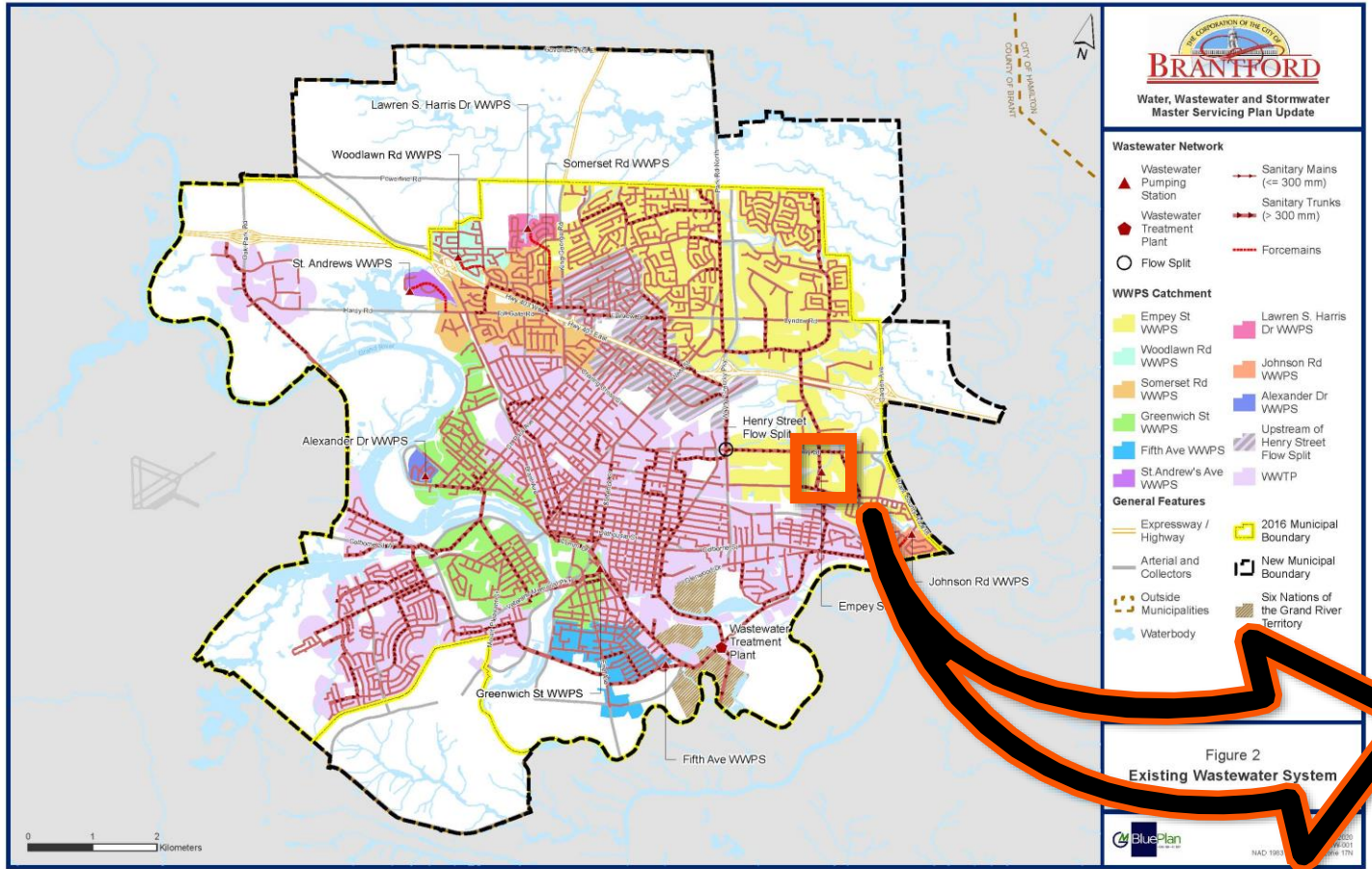
A downloadable copy of the PIC material is available on the City of Brantford's website: [brantford.ca/EmpeyWWPS](https://brantford.ca/EmpeyWWPS)

# What is the Purpose of this PIC?

- This virtual Public Information Centre (PIC) will present an overview of the Empey Street Wastewater Pumping Station (WWPS):
  - Project background and study area
  - Planning process
  - Existing conditions
  - Identification and evaluation of alternatives, including the recommended preferred solution
  - Preliminary mitigation measures
  - Next steps for the Project



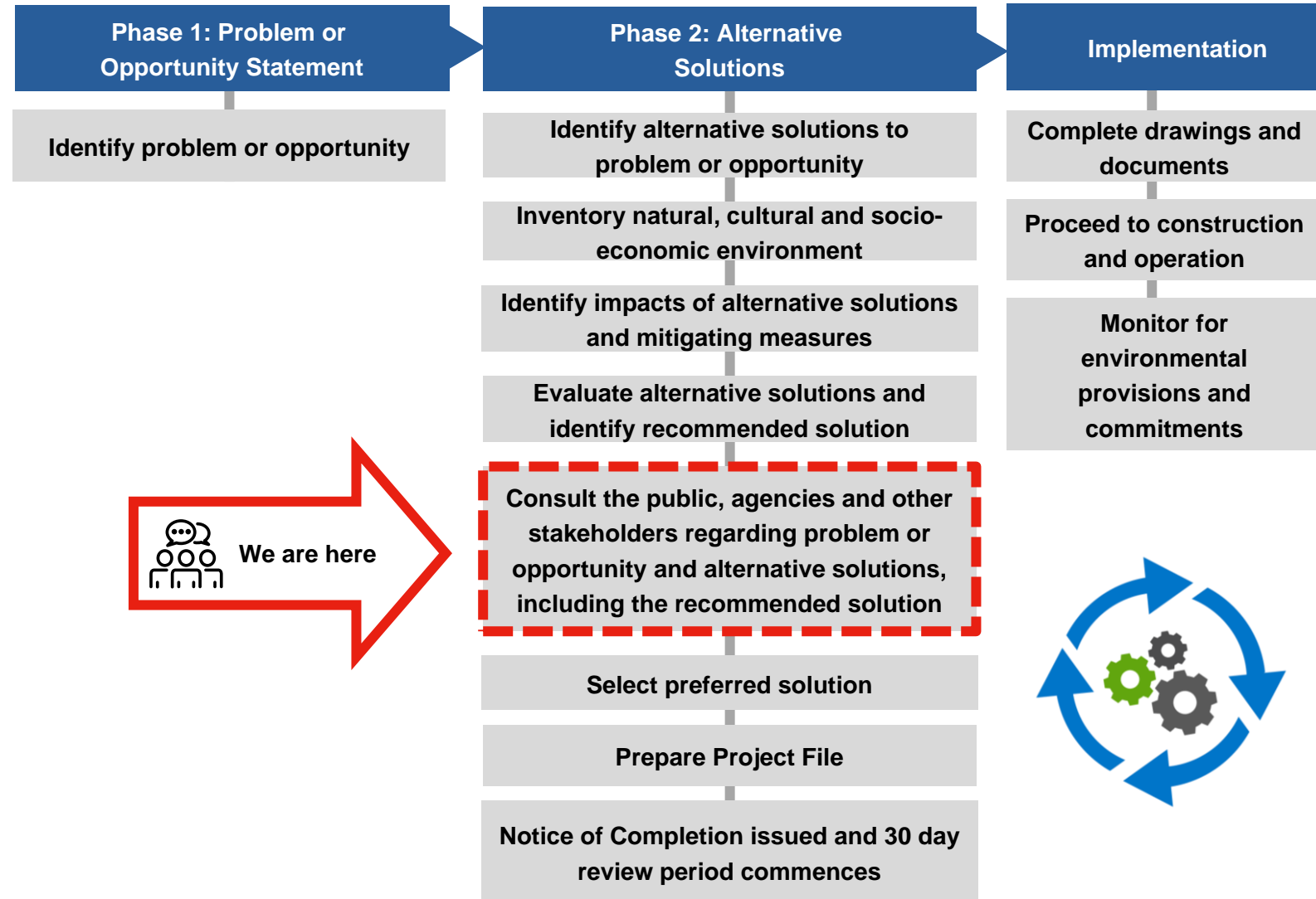
# Project Location and Background



Source: Water, Wastewater and Stormwater Master Servicing Update (GM Blue Plan, November 2020)

# Municipal Class Environmental Assessment (MCEA) Process

- All municipalities in Ontario are required by the provisions of the *Environmental Assessment Act* (EAA) to follow the MCEA process.
- This project is following the Schedule B MCEA process.





# Problem and Opportunity Statement

## Problem:

- Significant near and long-term growth is expected within the City. The City's recent Water, Wastewater and Stormwater Master Servicing Plan (MSP) Update has identified the need to increase the capacity of the existing Empey Street WWPS to meet planned growth to 2051. The increased capacity suggested as required by the MSP is due to an adjustment of municipal boundaries between the City of Brantford and County of Brant and Settlement Area boundaries.
- The capacity increase is specifically required to meet planned growth, including the areas within the City's new settlement area, which will eventually lie within the Empey Street WWPS catchment area.
- The WWPS's available storage capacity under the design 10-year storm is insufficient to meet the desired emergency storage capacity. As part of the MSP, it was recommended that the City complete a number of upgrades to the Empey Street WWPS including twinning of wetwell and the provision of an emergency storage tank (EST).

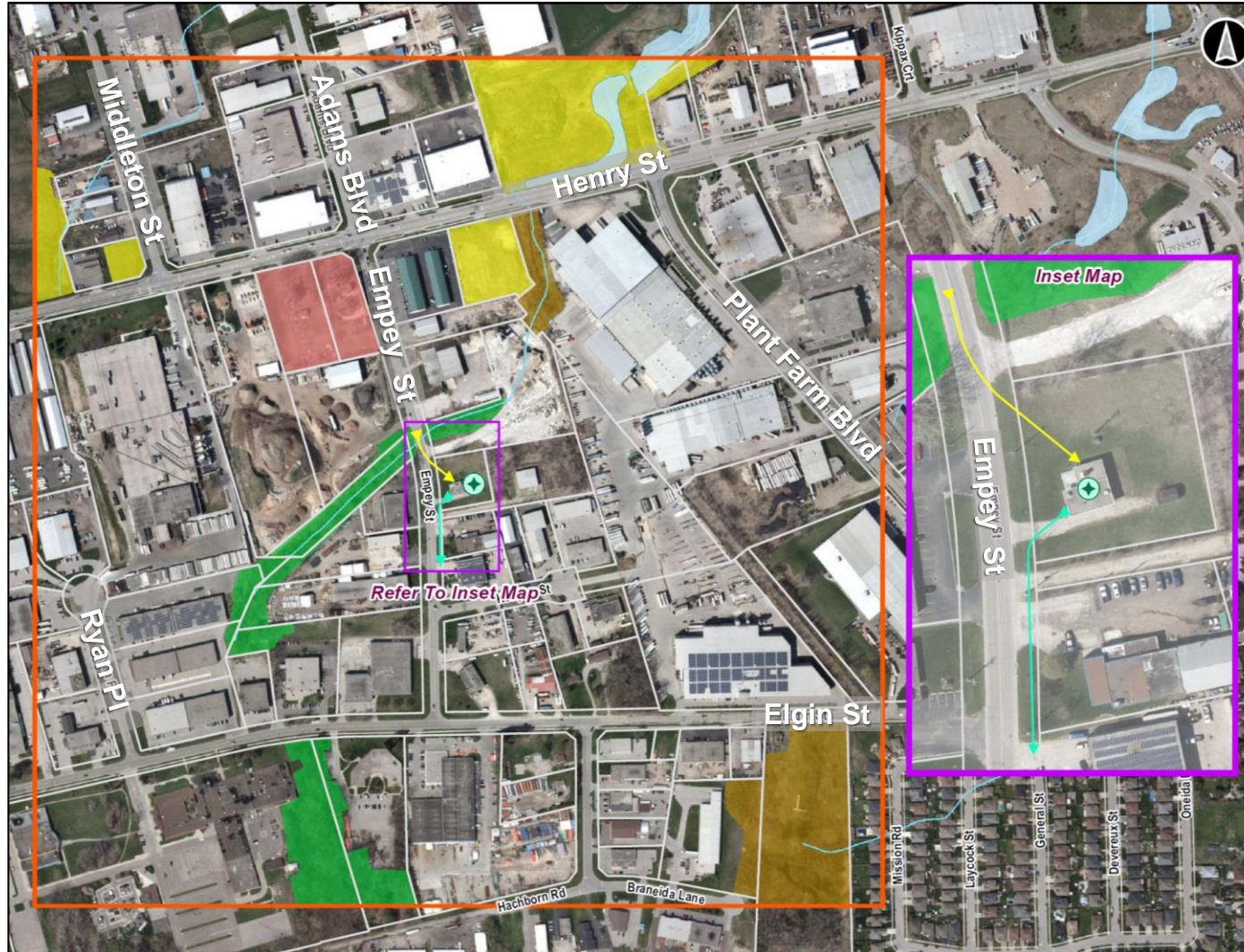
## Opportunity:

- Complete the Schedule B Municipal Class Environmental Assessment (MCEA) planning process in consultation with key stakeholders, review agencies, Indigenous Communities and the public that will establish a preferred solution for the Empey Street WWPS detailed design to meet anticipated 2023 in-service date.







# Existing Conditions

## Natural Environment



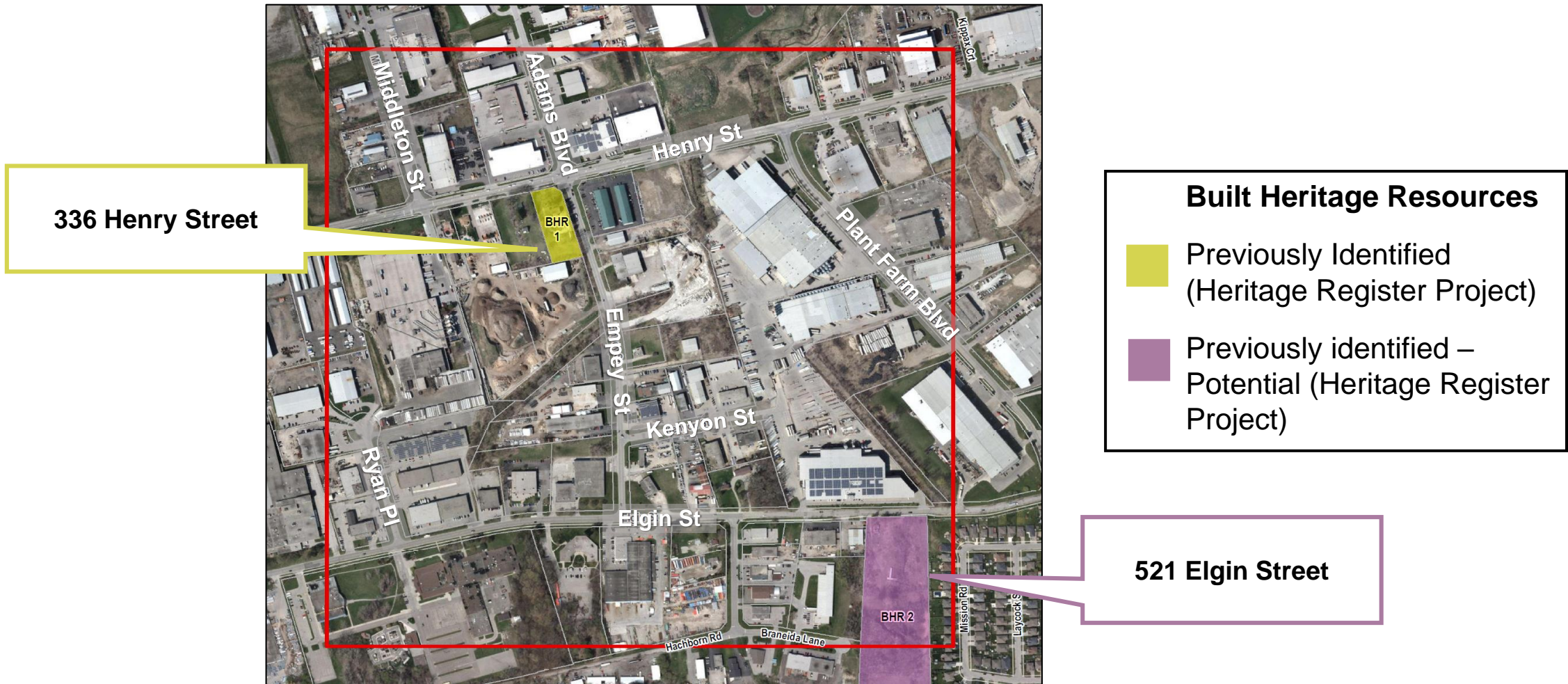
**Ecological Land Classification Community**

-  CUM – Cultural Meadow
-  CUW – Cultural Woodland
-  FOD – Deciduous Forest
-  RES – Residential



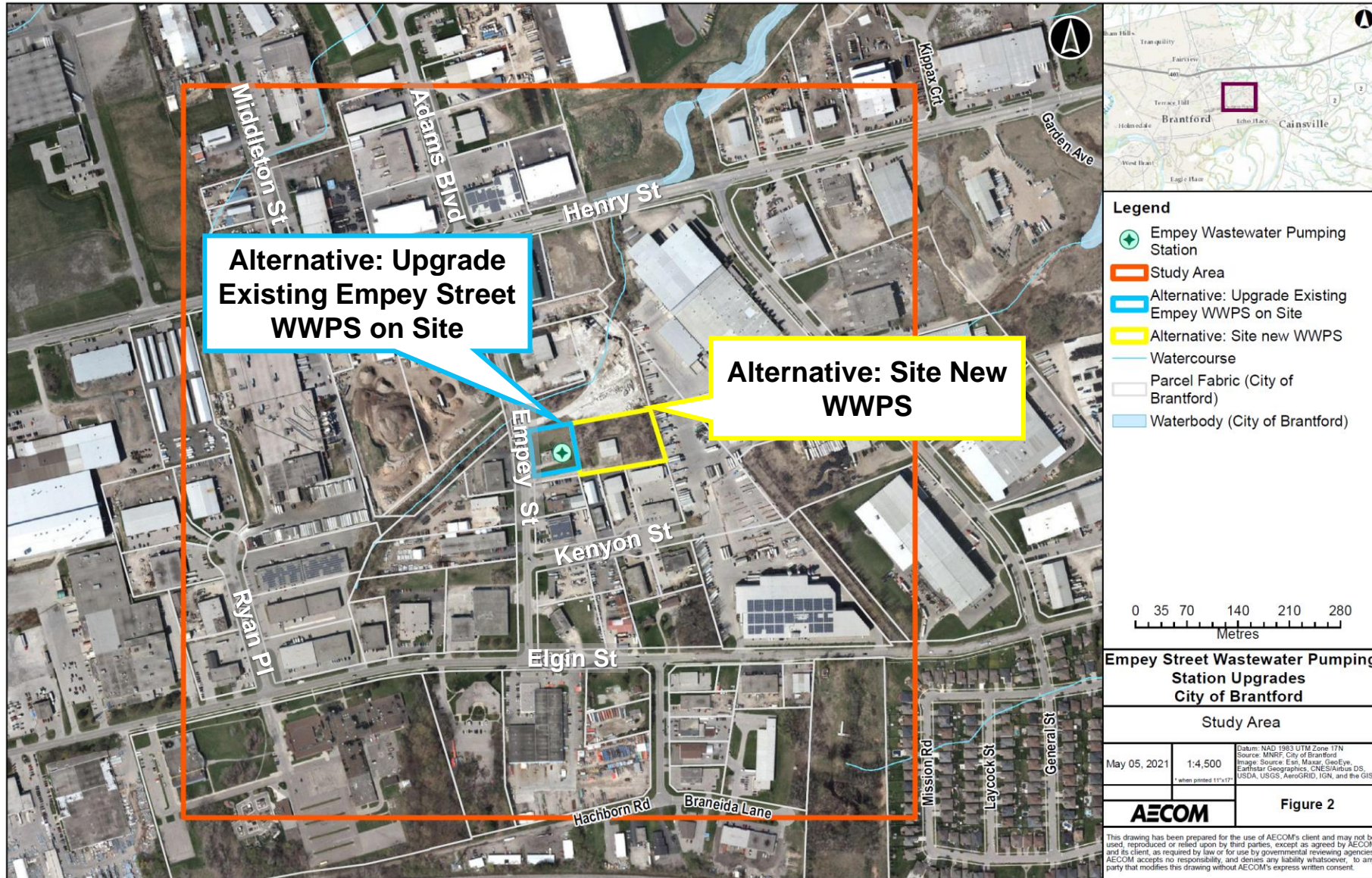
# Existing Conditions

## Archaeology and Cultural Heritage





# Alternatives





# Alternative: Upgrade Existing Empey WWPS on Site <sup>9</sup>





# Alternative: Site New WWPS





# Evaluation Summary

## Upgrade Existing Empey Street Wastewater Pumping Station on Site (33 Empey Street)

- ✓ Avoids the need to purchase land
- ✗ Requires temporary easement
- ✗ Less design flexibility
- ✓ Requires less tree and vegetation removal
- ✓ Smaller carbon footprint related to less construction materials
- ✓ Shorter construction schedule to meet in-service date
- ✓ Significantly lower construction cost

## Site New Wastewater Pumping Station (37 Empey Street)

- ✗ Requires purchase of property
- ✓ Does not require temporary easement
- ✓ Greater design flexibility
- ✗ Requires more tree and vegetation removal
- ✗ Higher carbon footprint related to use of more construction materials
- ✗ Longer construction schedule and meeting in-service date
- ✗ Higher construction cost

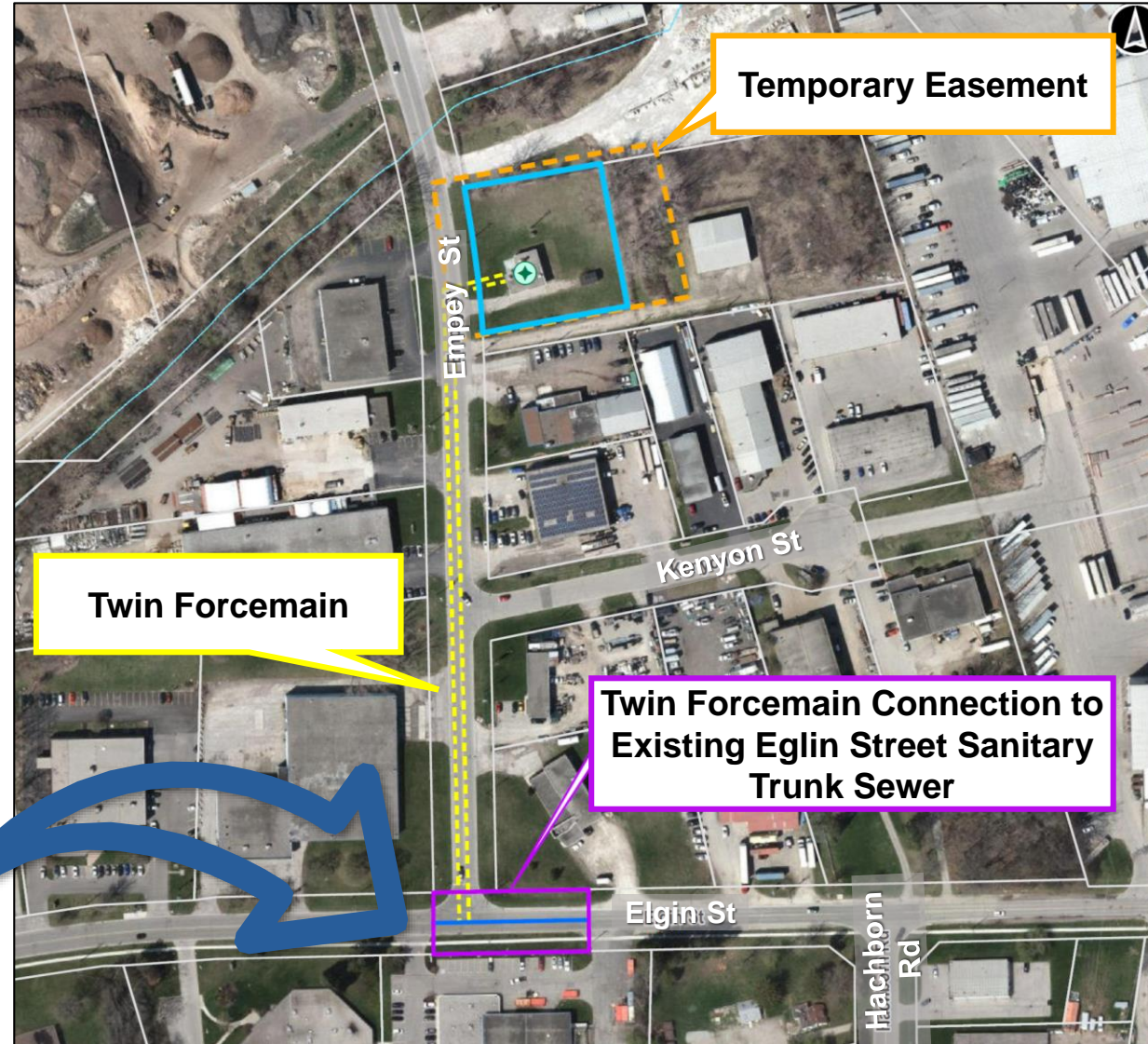
**The Preliminary Recommended Alternative is to Upgrade Existing Empey Street Wastewater Pumping Station on Site**

# Preferred Recommended Alternative

## Alternative: Upgrade Existing Empey WWPS on Site



Intersection of Empey Street and Elgin Street





# Mitigation Measures



## Natural Environment

- Ensure vegetation removals are completed outside the nesting window of April 1 to August 31.
- Complete additional assessment of the trees to identify the potential for bat SAR habitat.
- Protect any vegetation identified for preservation through final site plans by fencing during construction. All disturbed areas will be restored to agreed upon conditions.
- Potential for encountering contaminated soils and groundwater will be determined during the design phase.
- Consult GRCA to review the approach to bypass pumping in the area of the watercourse.



## Archaeological and Cultural Heritage Environment

- Complete a Stage 2 Archaeological Assessment, if required.



## Socio-Economic Environment

- Odour controls will be incorporated, as required.
- Temporary lane and full road closures on Empey Street and Elgin Street. Prepare Traffic Management Plan and maintain access to existing businesses.
- Communication to local property owners along Empey Street and Elgin Street prior to construction. General project information and updates will be provided through the City's website.



# Next Steps

- We encourage you to provide any comments by completing and submitting a comment form.
- The MCEA Project File report will be prepared and made available for public review for 30 days.
- Any issues that can not be resolved within the 30-day review period will be reviewed by the Ministry of Environment Conservation and Parks who will decide the appropriate course of action.
- If no issues are raised within the 30-day review period, the City can proceed to the preliminary and detailed design, approvals and construction phases of the Project.
- Construction is to commence in Spring 2022 with the upgraded station anticipated to be in operation in 2023.



All comments are to be submitted by June 11, 2021 at 4:30 p.m.



# For More Information

1. Visit the Project Website: [brantford.ca/EmpeyWWPS](http://brantford.ca/EmpeyWWPS)
2. Contact the Project Team:

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