

Robertson Booster Pump Station Municipal Class Environmental Assessment City of Guelph Public Open House No. 2



Wednesday, February 19, 2020 – 6:00 p.m. to 8:00 p.m.
Evergreen Seniors Community Centre

Public Open House No.2

Robertson Booster Pump Station – Environmental Assessment

Purpose of the Public Open House

- ❖ The purpose of this Public Open House is to:
 - Present the proposed alternatives and detailed evaluation of all short-listed alternatives.
 - Identify key issues and community concerns to allow for appropriate mitigation measures to be incorporated into the final design.
 - Seek community stakeholder support and participation.

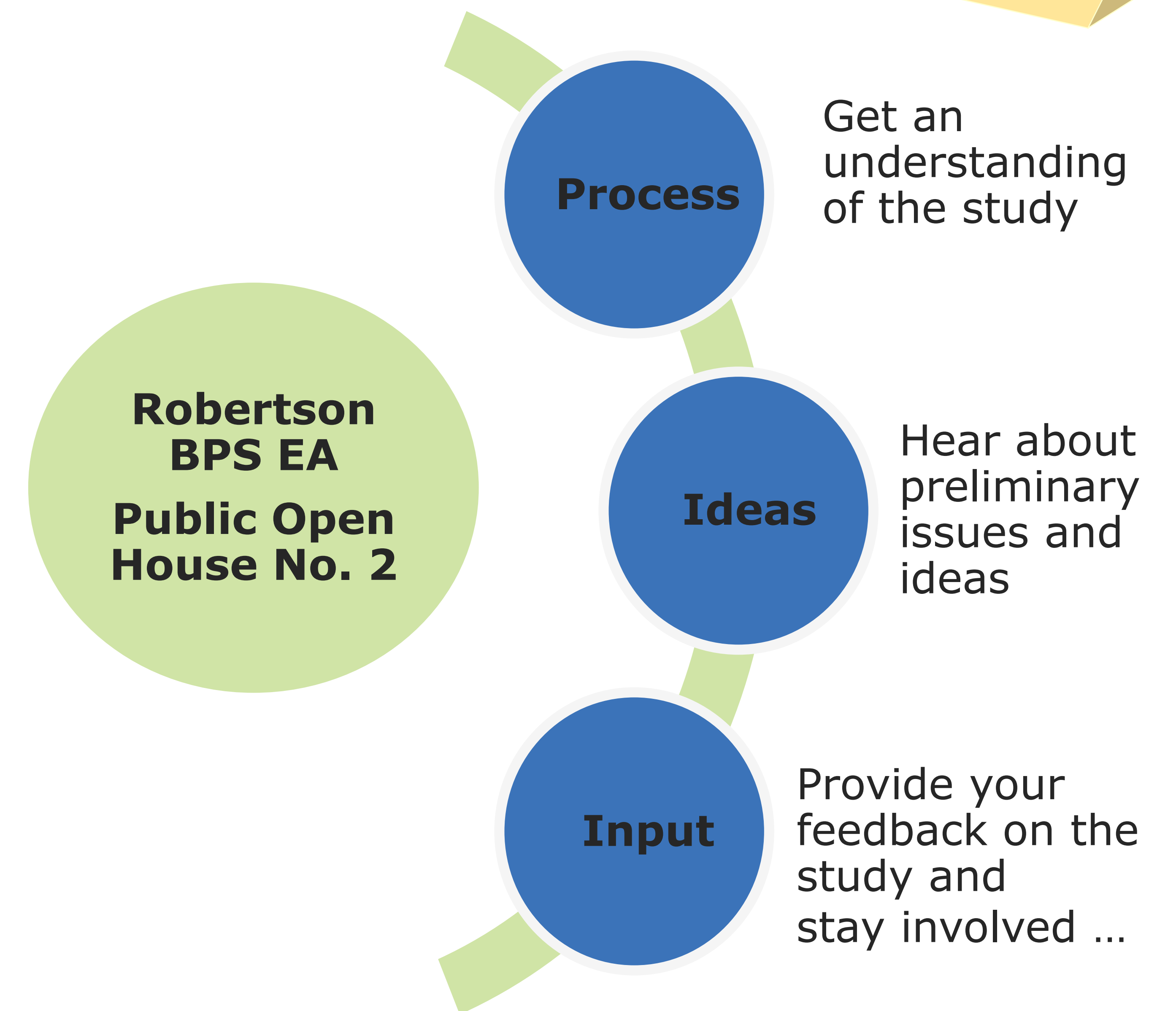
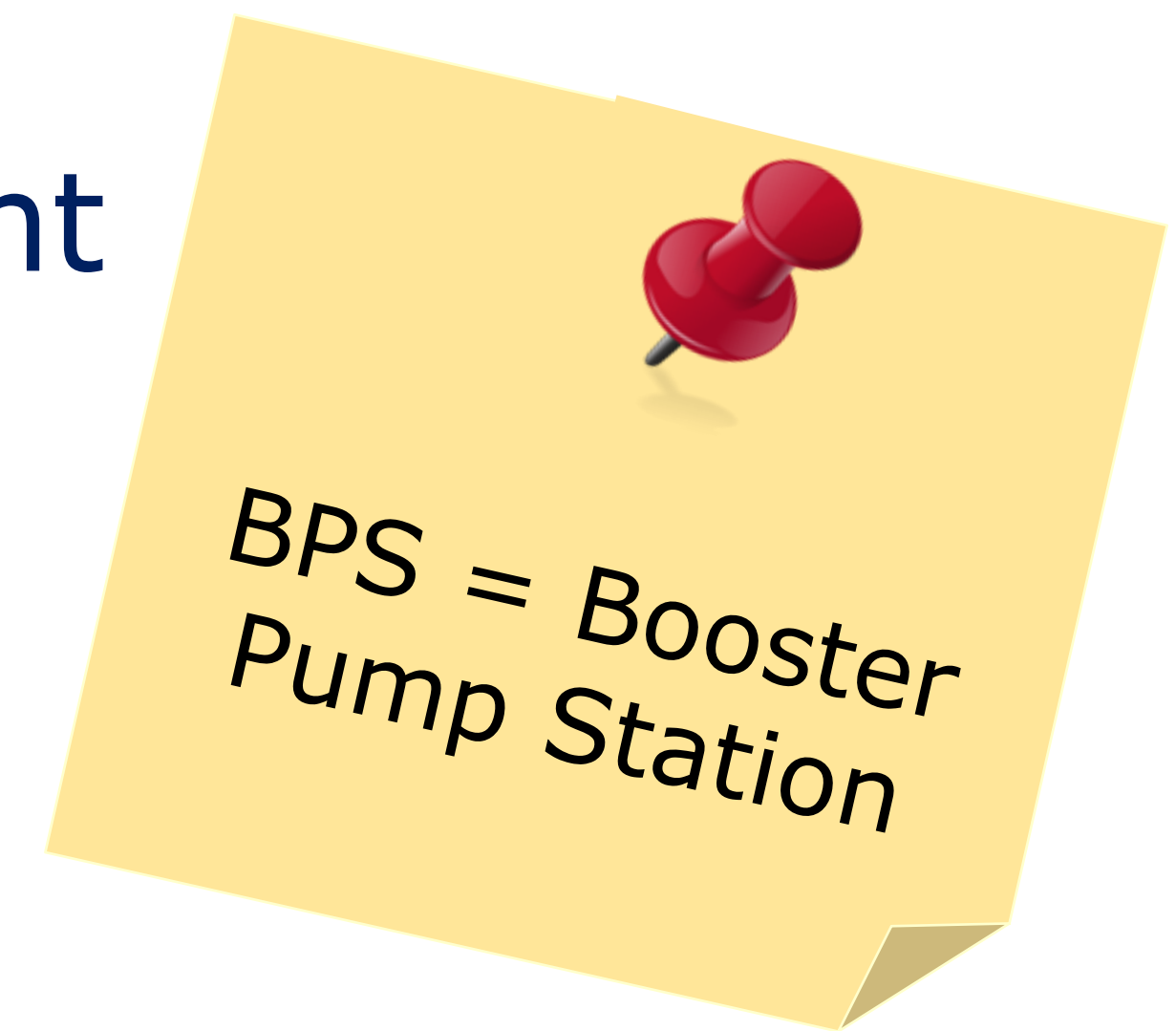
How you can help

- ❖ Please note that the public has the opportunity to comment on the project and express input they may have.
- ❖ The received input will be taken into consideration as the project develops. Once the environmental assessment is complete and the Project File Report is filed, the project may proceed to construction.

Please sign in on the sheet provided.

Then feel free to walk around and view the displays.

A copy of the display boards are available at the following website:
guelph.ca/robertson



Study Area and Project Summary

Study Context

- ❖ The City of Guelph's Water and Wastewater Servicing Master Plan (2008) and Engineering Studies have identified the need for a number of system upgrades including additional water sources, pump stations, storage, and watermains in the City.
- ❖ Upgrading the Robertson Booster Pump Station (BPS) was identified in the 2015 Zone 2 Implementation Plan (C3 Water, October 2015) as a high priority project in order to increase capacity and provide a more reliable water supply to Zone 2.
- ❖ Located at 14 Robertson Drive, the Robertson BPS is a central facility for supply of potable water from Zone 1 to Zone 2.
- ❖ Additionally, this study will review alternative locations for the reconstructed facility.

Problem Statement

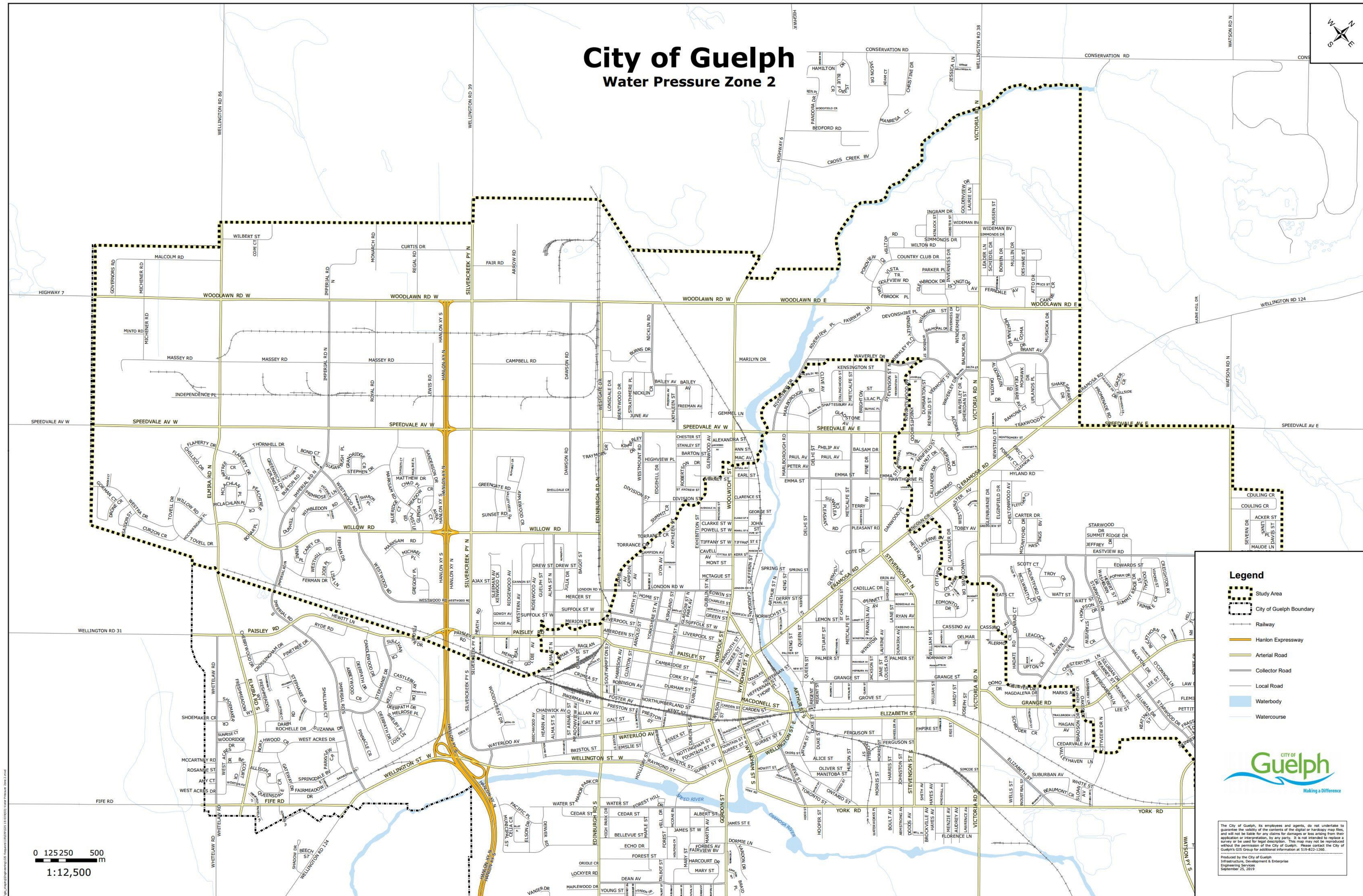
- ❖ The Robertson BPS is aging and requires upgrades to bring the equipment to current standards. The station also requires an increase in capacity to accommodate anticipated future demands.

Opportunity Statement

- ❖ Through this study, the City will review the compatibility of the current facility with future needs and current design standards, while also reviewing opportunities to improve operational efficiencies and reduce risk to the water distribution system. Alternative locations for the reconstructed facility will be reviewed under this study.

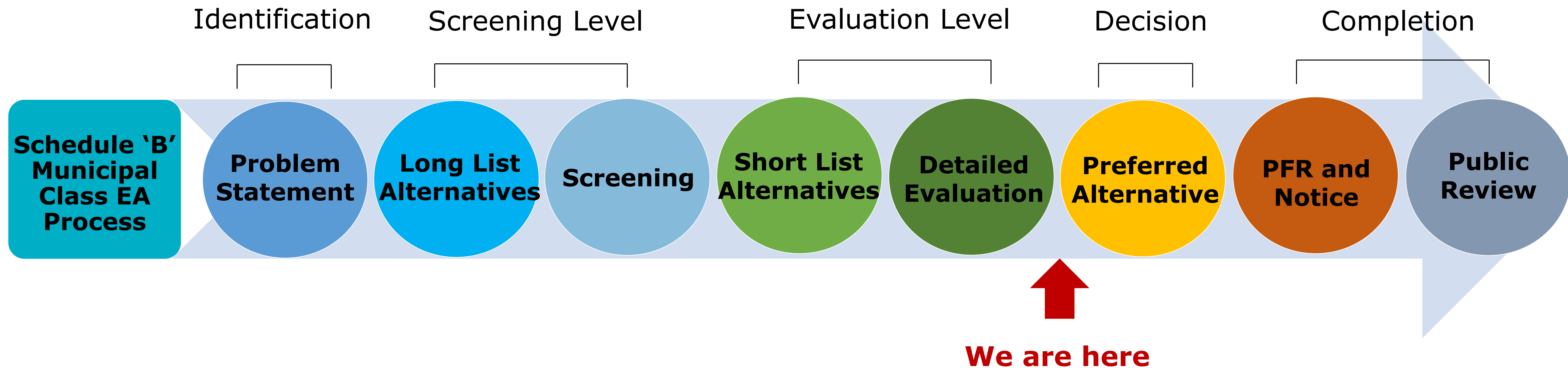


Zone 2 Map



Evaluation Process Framework

- Screening Level:** Screening criteria are applied to a long list of alternatives to eliminate alternatives that are impractical or did not meet project requirements.
- Evaluation Level:** The remaining short-listed alternatives are evaluated based on a set of criteria.
- Decision:** Preferred alternative is selected based on results of detailed evaluation supplemented with agency and public consultation.
- Completion:** The Notice of Completion is issued and the Project File Report (PFR) is submitted to the public record. After a public review period the file is approved to proceed for further review.



Public Open House No. 1 – Your Feedback

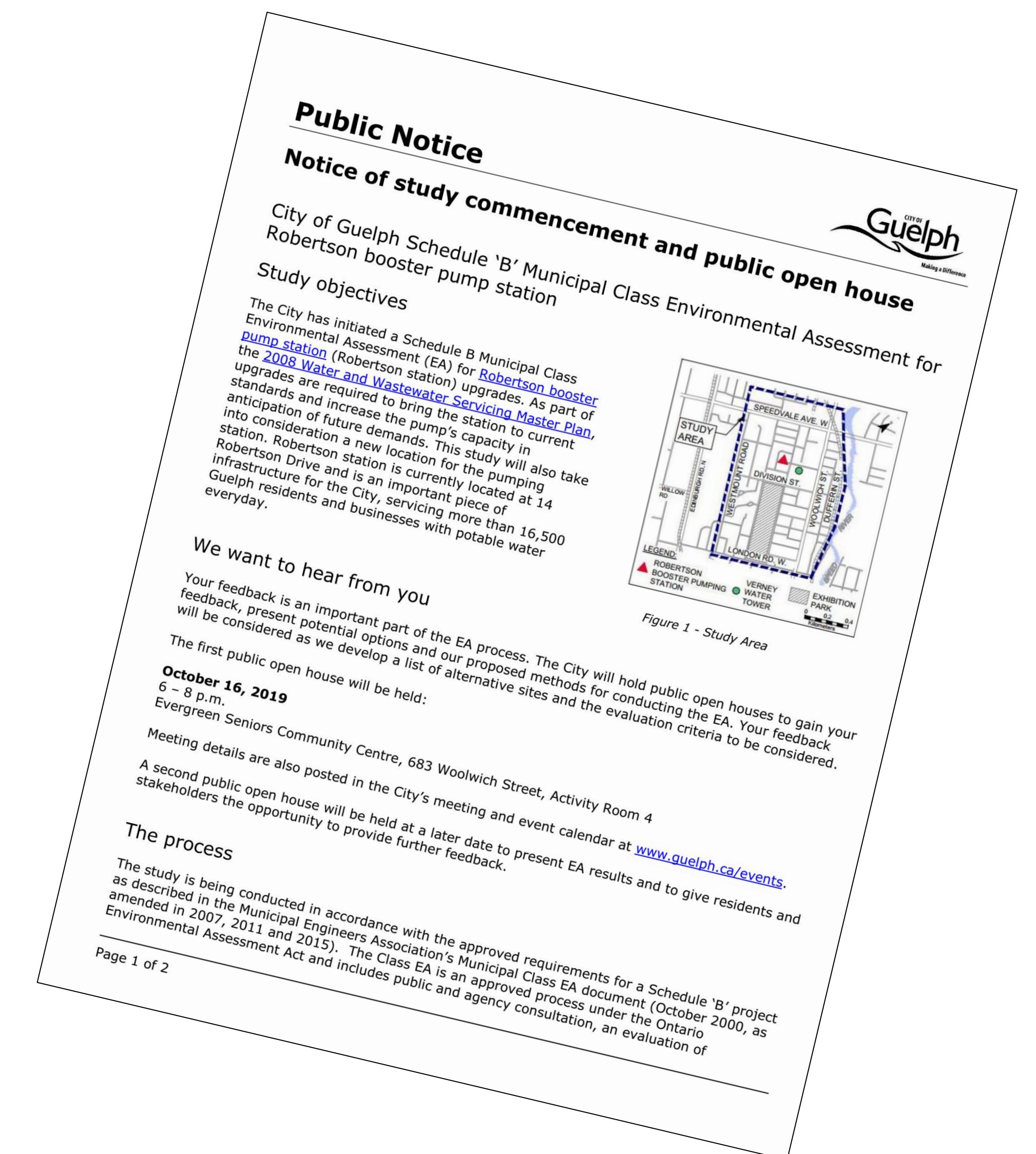
Date Held: October 16, 2019

Objectives:

1. Introduce the study
2. Present list of alternative solutions
3. Present evaluation criteria

What we heard:

- General interest in outcome of study and staying informed
- No comments on proposed evaluation criteria or alternative solutions



Short List of Alternative Sites



1. 14 Robertson Drive
Existing Robertson
BPS Site



2. 36 Verney Street
Existing Verney
Water Tower Site



3. 43 Speedvale Avenue
Vacant Land Privately
Owned



Evaluation Criteria

Natural Environment

- Potential impacts to vegetation, habitats, waterbodies, species at risk etc.
- Energy consumption/carbon footprint
- Impact on designated environmental policy areas (ie. Provincially Significant Wetlands)



Social and Cultural Environment

- Construction Impacts
- Public Acceptance
- Impacts to Indigenous peoples / lands
- Compatibility with nearby land uses
- Aesthetics and Noise



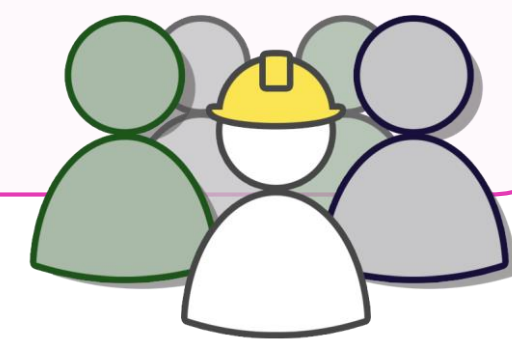
Evaluating the Options

With input from the public, key stakeholders and review agencies (Ministries), the project team developed criteria to evaluate the proposed alternatives.



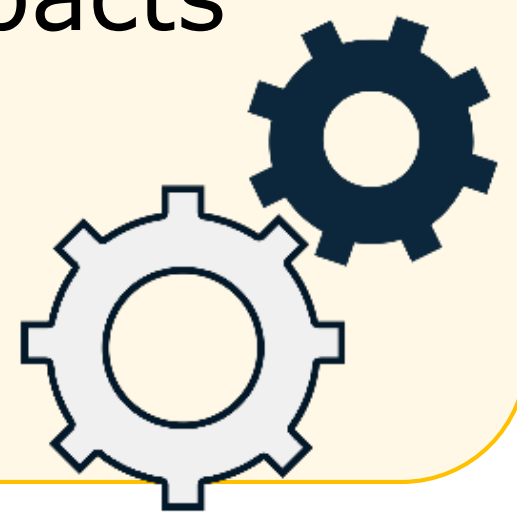
Site Requirements

- Suitable available area to develop
- Potential for Site Contamination
- Availability of site services (Road, Sanitary, Hydro, Communications, Gas)
- Site access



Technical Feasibility

- Operations and Maintenance Proximity to large distribution mains and Pressure Zone Boundary
- Potential for water supply impacts during construction
- Regulatory Requirements
- Ease of Implementation



Planning and Land Use

- Property ownership
- Compatibility with zoning, intent of Official plan, community plan and other planning policies, and good urban planning principles



Economic Environment

- Lifecycle Cost (including design, construction, land acquisition, utilities, O&M cost, replacement cost)
- Annual Operating and Maintenance Costs
- Rate Impact/Budget Compatibility (Capital cost) Cost)



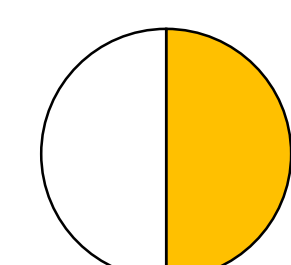
Detailed Evaluation of Short-Listed Alternatives

	Do Nothing	1 – Existing Robertson BPS Site	2 – Verney Water Tower Site	3 – Speedvale Avenue Privately Owned Vacant Property
Natural Environment				
Social / Cultural				
Site Requirements				
Planning and Land Use				
Technical Feasibility				
Economic				
Summary Score				
Ranking	4	3	1	2

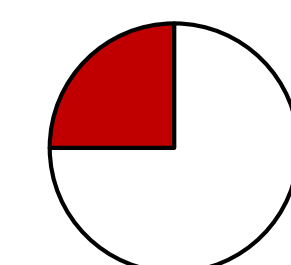
Legend :



Good

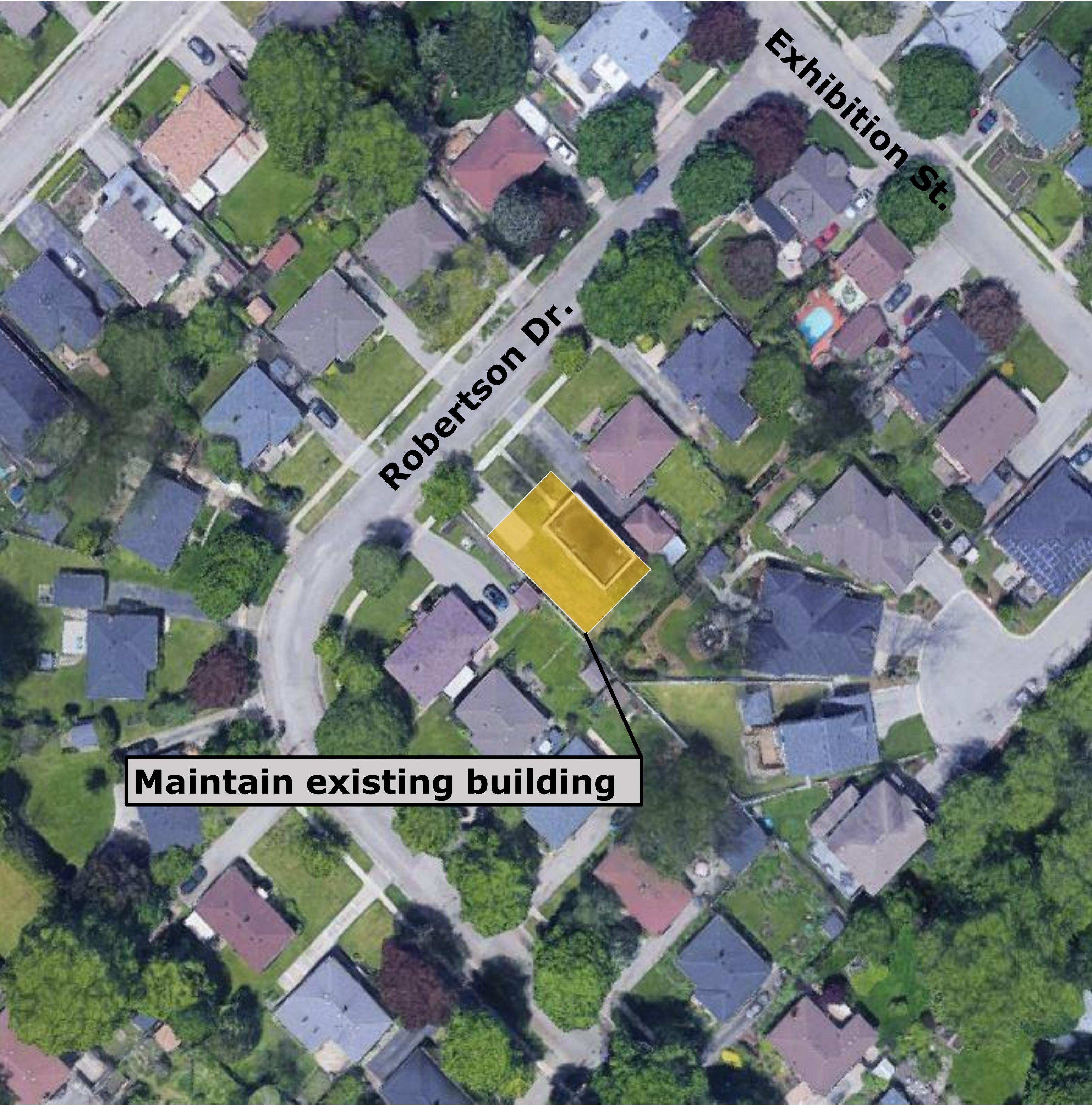


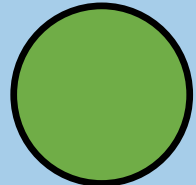

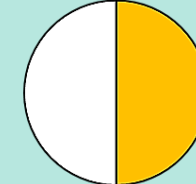
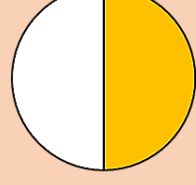
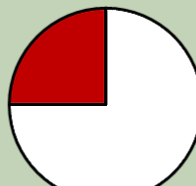
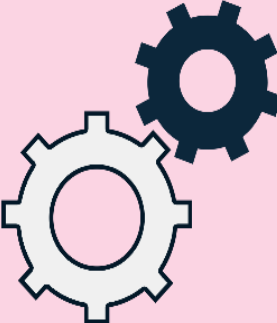
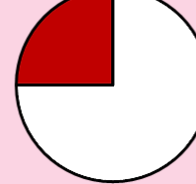

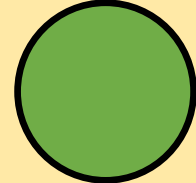
Neutral



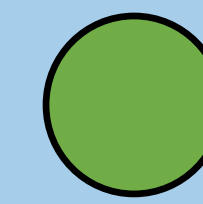
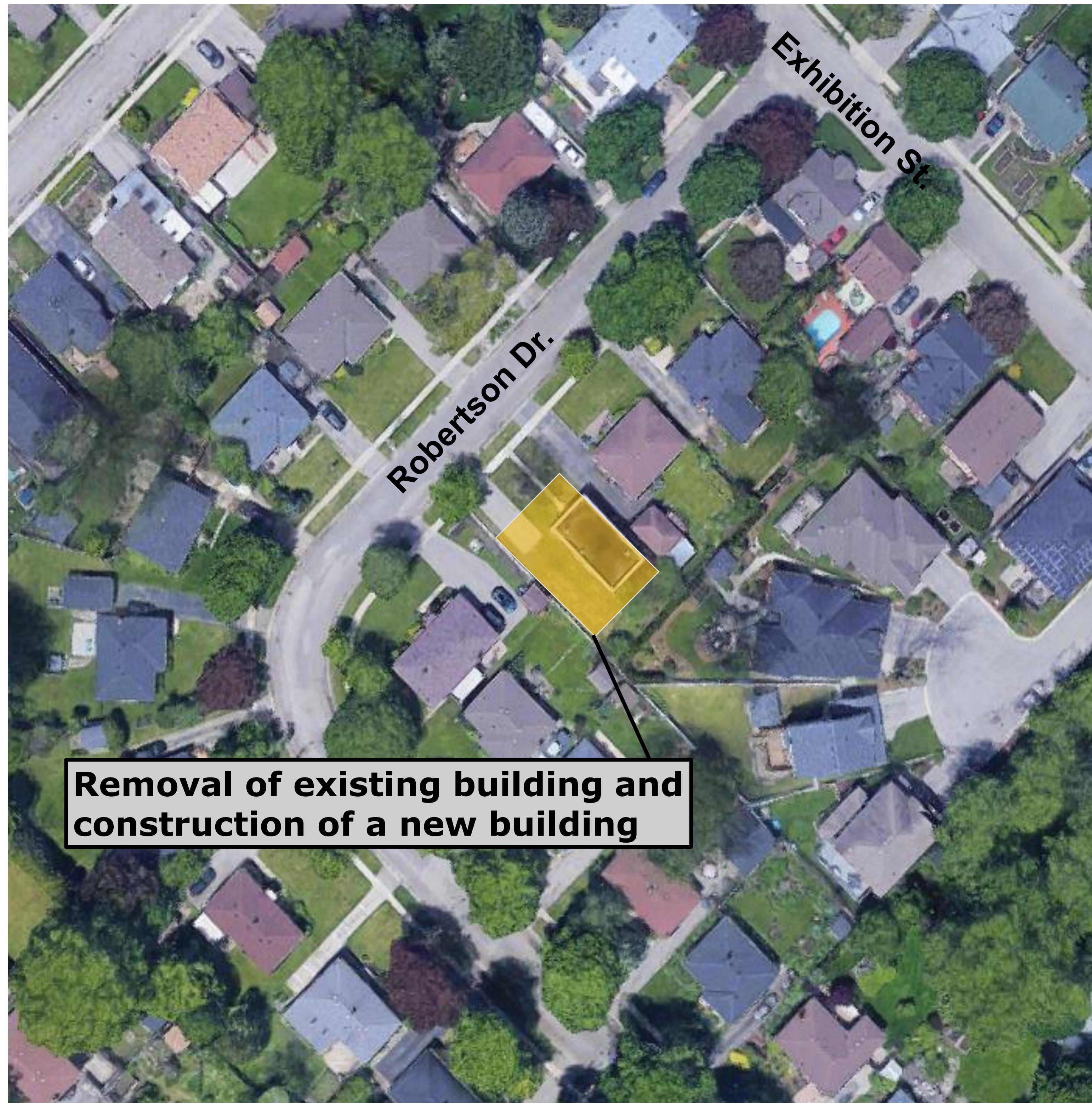
Negative

Do Nothing: Maintain Existing Robertson BPS

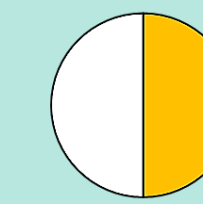


-   No potential impact to surrounding habitats as this site is already developed
-   Available water supply to Zone 2 is less reliable, continued impact on local residents
-   Property size is limited; low potential for any further expansion in future
-   Not compatible with Planning Policies of increasing future demand
-   Limited supply available to zone 2
Low compatibility with stand-by power
-   No Capital costs

Alternative 1: Reconstruction of Robertson BPS

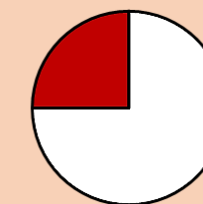
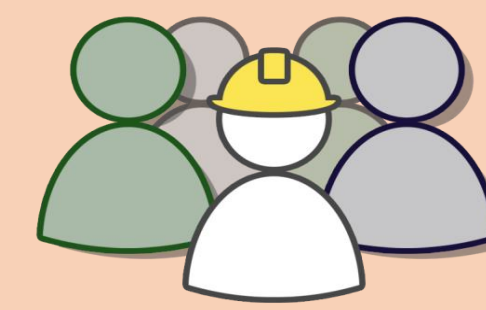


Little to no potential impact to surrounding habitats as this site is already developed

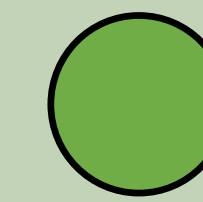


Construction impact to surrounding neighborhood

No cultural heritage or archaeological significance identified

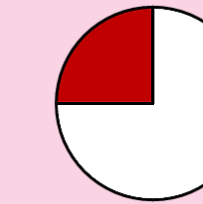
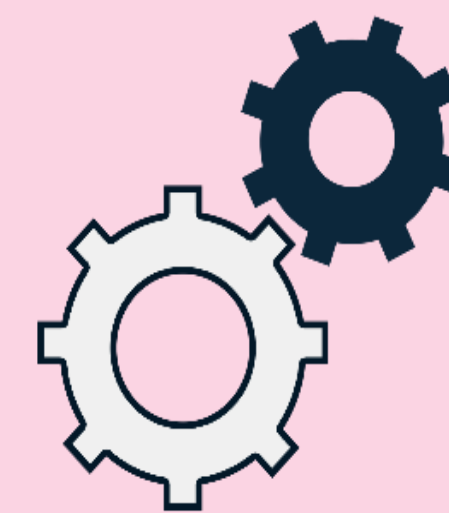


Property size is very limited



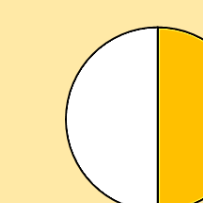
City owned

No compatibility issues with Planning Policies



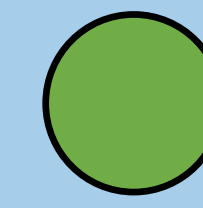
Poor constructability

Lower reliability of supply to Zone 2 during construction

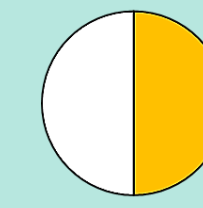


Moderate to High Capital due to poor constructability and Lifecycle cost

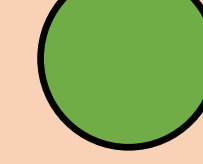
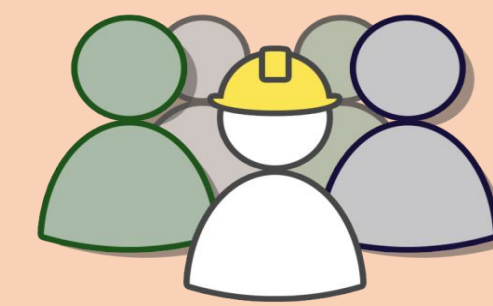
Alternative 2: New BPS at Verney Tower



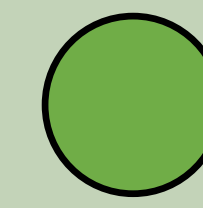
Little to no potential impact to surrounding habitats as this site is already developed



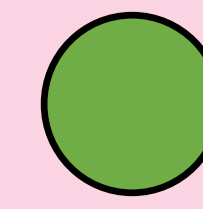
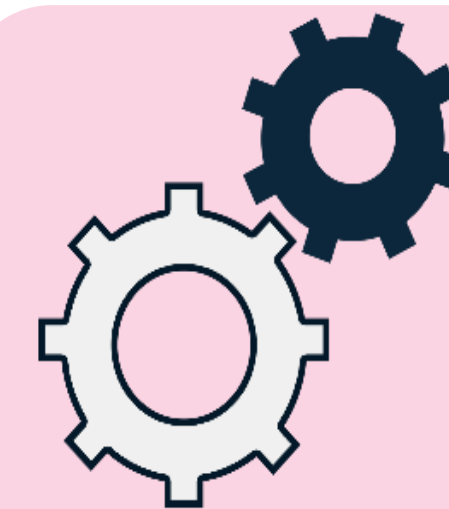
Construction impact to surrounding neighborhood
No cultural heritage or archaeological significance identified



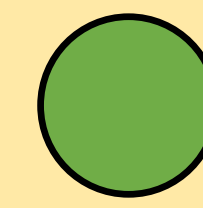
Adequate developable size and site access
Site services available



City owned
No compatibility issues with Planning Policies

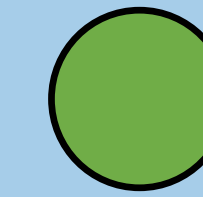


Good constructability
Close to large watermains

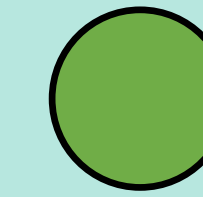


Moderate to Low Capital and Lifecycle cost

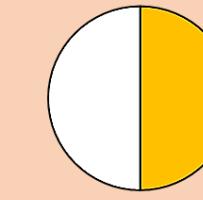
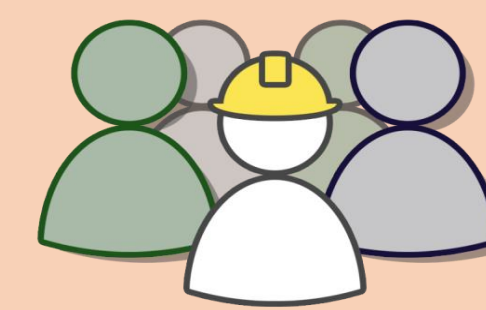
Alternative 3: New BPS at 43 Speedvale Ave. W.



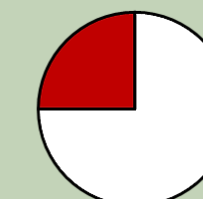
Minor potential for impact to natural habitats and trees due to some re-naturalization of site.



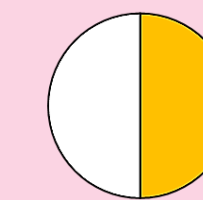
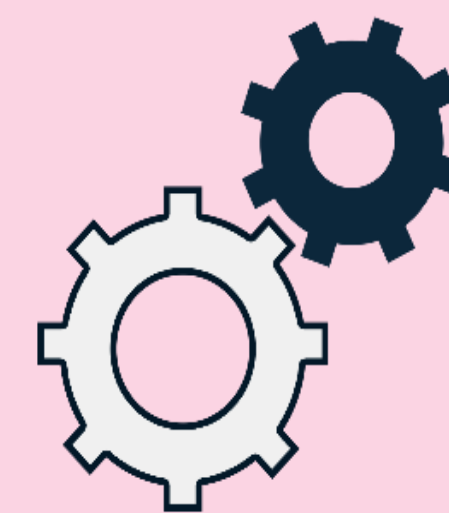
Lower construction disturbances
No cultural heritage or archaeological significance identified



Adequate developable size and site access
Site services available
Some potential for site contamination



Privately owned
Moderate/poor compatibility with Planning Policies

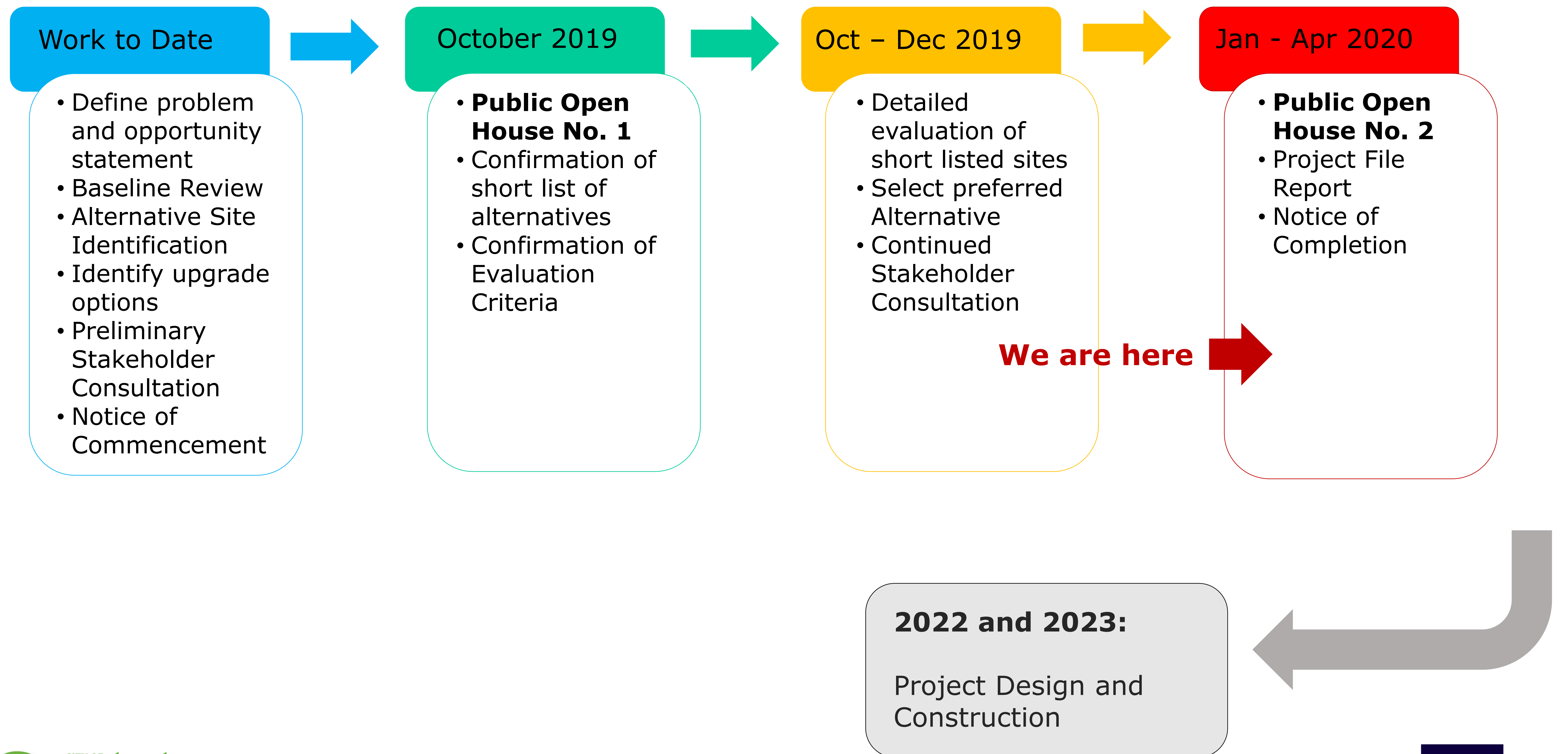


Good Constructability
Significant distance from large watermains and Pressure Zone Boundary



High capital cost due to need for developing watermains and property acquisition

Project Timeline and Next Steps



Moving Forward

Now is the time to provide your input!

- ❖ These are the ways you can comment on the information presented:
 - Contact project team
 - Fill out the comment sheet

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GM BluePlan Engineering Limited
650 Woodlawn Road West, Block C, Unit 2
Tel: 519-824-8150 ext. 1231
Email: grant.parkinson@gmblueplan.ca

Tell us what you think!
Fill out a comment sheet
tonight and place it in the
Comment Box or send them
to any of the project team
contacts by **March 19, 2020.**

Visit the website for more
information
guelph.ca/robertson

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