NOTICE OF STUDY COMMENCEMENT

Municipal Class Environmental Assessment Study
Water and Wastewater Servicing in the Nobleton Community

LEARN MORE!
HAVE YOUR SAY.

Township of King

November 15, 2018

The 2016 Regional Municipality of York Water and Wastewater Master Plan identified the need for water and wastewater capacity to service approved future growth in the Nobleton community.

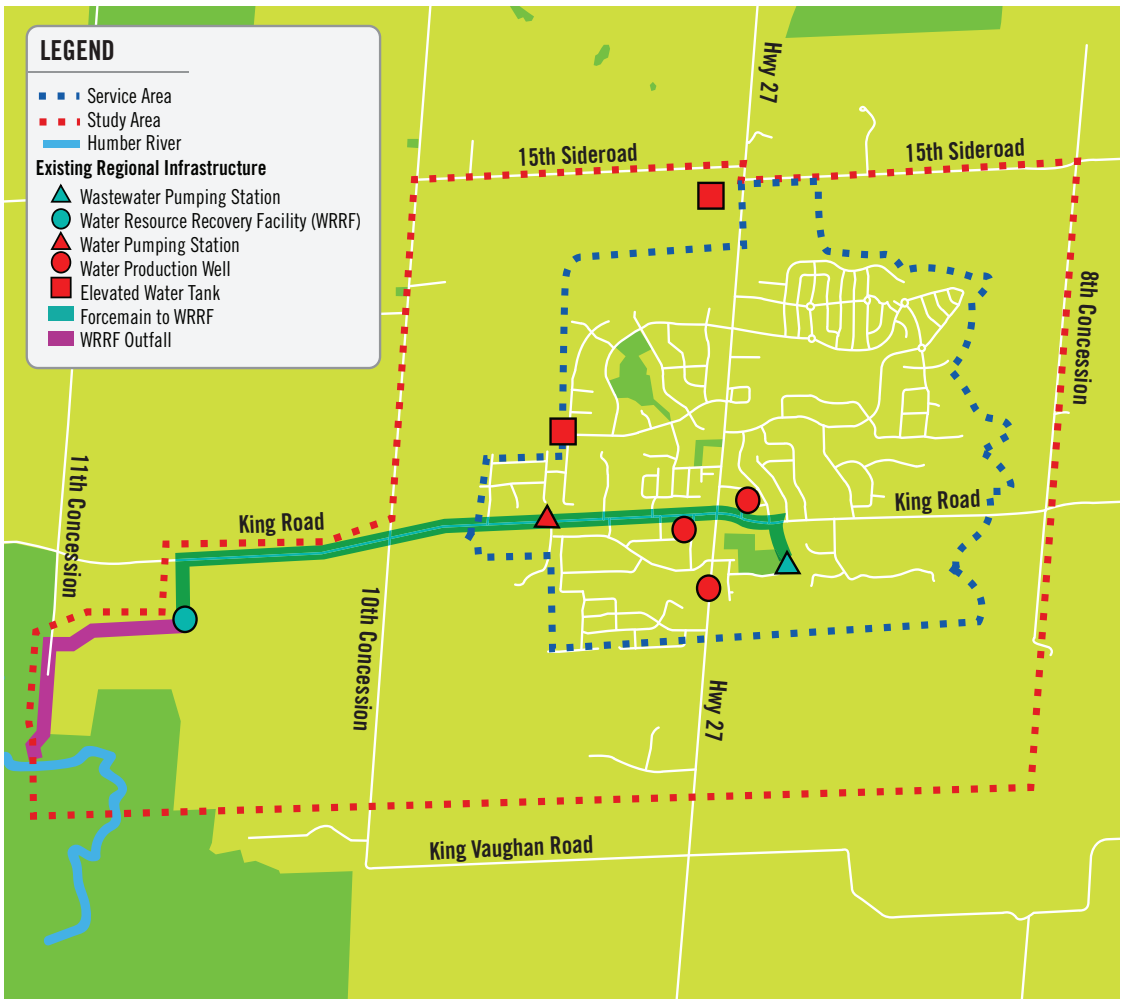
York Region is initiating a Schedule C Municipal Class Environmental Assessment (Class EA) study to identify long-term water and wastewater capacity servicing options for the Nobleton community that support growth and optimize the use of existing Regional infrastructure.

WE WANT TO HEAR FROM YOU!

Input from the community is a key part of the study. Public consultation opportunities will be provided throughout the course of the study to answer questions regarding the study. Additional information will be published about the public consultation and the progress of the Class EA study. Visit **york.ca/ea** for more information about the study.

THANK YOU FOR YOUR Pparticipation IN THIS STUDY

Please let us know if you require accommodation to participate. An accessible version of this notice is available upon request. This notice was issued on November 15, 2018.



To submit questions, comments or to be added to the mailing list, please contact:

Afshin Naseri, P. Eng.
Senior Project Manager
Environmental Services
The Regional Municipality of York
17250 Yonge Street
Newmarket, Ontario L3Y 6Z1
afshin.naseri@york.ca
1-877-464-9675 ext. 75062
Fax 905-830-6927

Personal information submitted (e.g., name, address and phone number) is collected, maintained and disclosed under the authority of the *Environmental Assessment Act* and the *Municipal Freedom of Information and Protection of Privacy Act* for transparency and consultation purposes. Personal information you submit will become part of a public record that is available to the general public, unless you request that your personal information remain confidential.

York Region

Class EA for Water and Wastewater Servicing in the Community of Nobleton

Public Engagement and Communications Plan

Prepared by Lura Consulting for Black & Veatch

July 17, 2018

Distribution List

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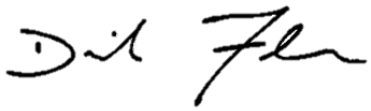

David Fleischer

Public Consultation Support

QA/QC Review By

Jim Faught

Public Consultation Lead

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1.0 INTRODUCTION

The Village of Nobleton is an unincorporated community of approximately 4,600 residents in King Township, located in York Region. Currently, Nobleton is serviced by standalone water and wastewater systems to meet the needs of the current population. The York Region Water and Wastewater Master Plan (2016) concluded that both the water and wastewater systems would not have sufficient capacity to meet requirements to support growth to the 2041 Master Plan horizon. Therefore, the Master Plan recommended undertaking the current project, a Schedule C Class Environmental Assessment (EA), to identify preferred water and wastewater servicing solutions to accommodate growth.

This Public Engagement and Communications Plan has been prepared in advance of initiating the Class EA to outline how the public and stakeholders in Nobleton will be engaged and communicated with throughout the EA. The Plan meets the requirements of Class EA process for Schedule C projects for stakeholder contact and consultation. It also reflects the requirements of York Region's Environmental Services Capital Planning and Delivery Consultant Requirements Manual.

2.0 BACKGROUND AND OBJECTIVES

Between 1996 and 2001, Nobleton was subject to an EA process that resulted in shifting the population from existing septic systems to servicing by the Nobleton Water Resource Recovery Facility. The EA consultation process saw strong public involvement and clear expression of concerns about preserving the community's character in the face of growth and that the construction of a new sewage system should not attract unwanted development.

Though this system is designed to accommodate approved growth in the community to a population of 6,500, the planning context has changed substantially since that time. Growth and development in York Region and King Township are now subject to the Greenbelt Plan and Growth Plan for the Greater Golden Horseshoe and planning to the

2041 growth horizon now envisions a population of 10,500 in Nobleton. The existing facility is inadequate to support this population increase and so new infrastructure and/or innovative water and wastewater practices are required.

In reviewing project background material and through the preparation of a Stakeholder Sensitivity Analysis, a number of considerations likely to impact the implementation of this Public Engagement and Communications Plan have emerged. These considerations represent both opportunities and constraints for engagement and influence how this Plan is structured. These considerations include the following:

- The Township of King and Village of Nobleton are communities within and adjacent to the Oak Ridges Moraine and the Greenbelt that have relatively modest growth and intensification projections;

- In drafting its current Official Plan, King directed the majority of new growth to the communities of Schomberg and King City. Allowing more growth in Nobleton will require an Official Plan Amendment that has not yet been presented to the public, though it will be tabled later in 2018;

- A 2001 EA brought servicing to Nobleton in the form of a local wastewater treatment plant and residents even then were averse to infrastructure that could be seen as facilitating unwanted growth;

- While the Region's goal is to identify innovative, safe and reliable water and wastewater servicing solutions for Nobleton that are socially, environmentally, and financially sustainable, the community is more likely to be concerned about perceived negative impacts from growth and development than issues related to efficiency and infrastructure;

- The holistic approach of the EA will require educating residents about Alternative Servicing Solutions that are technical in nature (e.g. managing peak flows, tertiary treatment, filtration technology etc.), requiring effective and user-friendly communications.

2.1 Problem Statement and Goals

The 2016 York Region Water and Wastewater Master Plan recognizes the need for a new facility in Nobleton within the next 20-25 years (2036-2041). The Region's "One Water" approach requires that the approach taken is holistic and coordinated, that the capacity of existing infrastructure is maximized and that innovative new concepts are explored in Nobleton

While the Region's goal is to identify innovative, safe and reliable water and wastewater servicing solutions for Nobleton, the community is more likely to be concerned about perceived negative impacts from growth and development than issues related to efficiency and infrastructure, per se. However, it is due to the growth planned for Nobleton that new infrastructure is required.

Bearing this in mind, a draft Opportunity Statement was drafted as part of the development of the Stakeholder Sensitivity Analysis:

> "Identify innovative, safe and reliable water and wastewater servicing solutions for the community of Nobleton in King Township, to support approved population growth from 6,500 to 10,500, while optimizing the use of existing systems. The preferred solution must be socially, environmentally and financially sustainable."

2.2 Engagement Objectives

- Improve awareness and understanding and through effective communications and engagement of local residents and special interest groups throughout the Class EA.

- Educate residents about the evolving policy in the area and the technical aspects of the Alternative Solutions developed through the Class EA.

- Implement effective engagement activities throughout the course of the project to provide more in-depth consultation with the community, including formation of a Stakeholder Advisory Group (SAG).

- Document input received and ensure that the feedback provided by the public and other stakeholders is reviewed, understood and considered by the consulting team.

- Provide multiple channels for the public and other stakeholders to obtain information about the Class EA process, including through social media, the use of a project specific page on the Region's website and providing project contact numbers for information and follow up.

- Encourage participation at Public Consultation Centres and other consultation activities so that the consulting team understands local concerns and issues and can demonstrate to residents and other stakeholders how their comments have been addressed and incorporated.

2.3 Key Messages

Consistent messages with the appropriate tone and content will improve understanding among target audiences. The message statements listed below are built on a current understanding of the existing audiences, constraints, opportunities and environmental concerns surrounding the Class EA. These messages will be communicated throughout the Class EA and refined, as required, as the project is implemented.

- York Region would like to optimize the use of its existing water and wastewater infrastructure to support the level of growth mandated by provincial forecasts and the proposed community expansion for Nobleton.

    - Residents should be educated and informed about the current situation and the benefits of optimizing the existing infrastructure.

- No conclusions have been reached and no decisions have been made. The purpose of the Class EA process is to evaluate alternative means to improve water and wastewater infrastructure services in Nobleton and arrive at the best solution for all concerned.

- The final solution should be a net benefit to the community of Nobleton and York Region.

- The Region and consulting team members are committed undertaking robust public and stakeholder consultation program as part of the Class EA and are placing an emphasis on a *seamless, open, transparent, and traceable* Class EA process.

3.0 PROJECT IDENTIFICATION FOR COMMUNICATIONS

Project name: Class Environmental Assessment for Water and Wastewater Servicing in the Community of Nobleton

Project number: 78310

Proponent address: Regional Municipality of York
17250 Yonge Street
Newmarket, ON L3Y 6Z1

Project manager: Afshin Naseri, P.Eng, PMP
Senior Project Manager, Capital Planning & Delivery
Phone: 1-877-464-9675 ext. 75062
afshin.naseri@york.ca

4.0 ENGAGEMENT AND COMMUNICATIONS TEAM

Jim Faught (Lura Consulting) will be the Public Facilitator and key communications team leader for the consultant. His responsibilities include leadership for managing and facilitating the Stakeholder Advisory Group and all stakeholder and community

engagement throughout the study. As Public Facilitator, he will also facilitate Public Consultation Centres.

He will be supported by David Fleischer and other Lura staff as required to implement and report on the engagement activities throughout the Class EA. Communications materials and engagement materials prepared by Lura will be subject to review and approval by Black & Veatch (consultant team lead) and the Region of York's project manager. The CPD PMO, and York Region corporate communications team will receive material for review, input and approval.

5.0 TARGET AUDIENCE

To satisfy the objectives of this Public Engagement and Communications Plan, target audiences have been identified through a Stakeholder Sensitivity Analysis. The following list encompasses the audiences considered critical for the success of this Plan. As the Class EA unfolds, additional target groups may be identified and included.

Affected Stakeholders

- Residents groups
- Business associations
- School boards
- Developers

Influencing Stakeholders:

- Municipal politicians (i.e. King and York Region)
- Municipal staff (e.g. planning, water and wastewater, environment, economic development) and service delivery agencies (e.g. health, transit)
- Provincial politicians and ministries / agencies
- Public Utilities
- Other agencies and bodies (e.g. TRCA)

Other stakeholders:

- Indigenous communities
- Ontario Federation of Agriculture
- Environmental groups
- Residents at large

The Stakeholder Sensitivity Analysis is attached as **Appendix A** and the Stakeholder Contact List as **Appendix B**.

6.0 MEDIA / CHANNELS

6.1 Media Communications

Media outlets provide an important means for disseminating information about the project to the public through multiple, accessible platforms. Those expected to be useful for reaching people on this project include:

- King Connection (Metroland)
- 105.9FM – The Region

6.2 Project Website & Newsletter

A project website with a project-specific email address will be developed in collaboration with York Region. This would allow any citizen an easy one-window access to provide comments and feedback or ask questions throughout the study. Phone queries about the project will be directed to Access York (1-877-464-9675). Contact centre staff will be provided with FAQs and links to other project communication channels.

To assist the public in obtaining information about the Class EA and to provide an on-going mechanism for feedback to the consulting team, York Region should continue to provide space on their environmental assessment website for the Class EA. York Region's web coordinator will ensure all posted materials meet AODA requirements.

Information for the website will include: notices for Public Open Houses, frequently asked questions, minutes of meetings, reports, and contact information.

Interested parties will be able to sign up via the website, for email newsletters and/or mail updates. A project Stakeholder List has been created and will be updated throughout the project timeline. In addition to an offline list, the active list will be maintained, and news distributed, via a Mailchimp list.

While there is generally not a strong level of civic engagement in York Region, contentious local issues – such as intensification, particularly in Oak Ridges Moraine and Greenbelt-adjacent communities – can be expected to stimulate a great deal of interest.

6.3 Social Media

Social media will be an important channel for disseminating information and collaborating engaging with the public. Its purposes will include building and maintaining awareness of the Class EA, particularly at key milestones (e.g. PCC's) and directing traffic to the website and project contacts.

The channels to be used throughout the Class EA process primarily include York Region's Facebook and Twitter pages, with a dedicated hashtag (#NobletonEA) for the project. According to Environics' 2017 Corporate Communications Analysis, Facebook is a key channel, used by 74% of Regional residents, while Twitter is used by 29%. Most social media usage is during the morning (35%) and afternoon (36%), and most activity will be targeted for these times.

The Region's YouTube and Instagram accounts may also be used to disseminate graphic-based information about the Class EA, such as videos demonstrating alternative infrastructure options. YouTube, in particular, is also well-used, by 79% of residents.

Posts will be drafted in advance, in consultation with York Region's social media moderators, who will also assist moderating and responding to comments as they arise.

Comments from stakeholders and members of the public are encouraged and any comments received via social media (e.g. Twitter) will be responded to via the same channel, in accordance with York Region's Social Media Policy. These channels will be a place for respectful dialogue and exchange of information, with more detailed discussions/enquiries directed to the Project Team.

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6.4 Public Consultation / Information Centres (PCCs)

The Class EA process requires at least three Public Consultation Centres to be held during the Class EA process. Other consultation efforts/meetings could be added to the schedule if required, but the minimum requirements with tentative timing include:

- PCC 1 – Alternative Servicing Solutions (November 2018)
- PCC 2 – Alternative Design Concepts (May 2019)
- PCC 3 – Preferred Concept Design (October 2019)

It is also expected that the Stakeholder Advisory Group meetings will occur in parallel as the process proceeds.

It is anticipated that the PCCs will be conducted as public open houses. Open Houses provide a good mechanism for the local community to be informed about the Class EA and for the community to review and provide feedback on the Class EA.

The PCCs will be designed to be welcoming, and provide opportunities for residents to speak directly with the consulting team and York Region officials. These can take a variety of forms (e.g. formal presentations with a question-and-answer session and/or display boards with informal one-on-one discussions).

Residents would be encouraged to fill out comment sheets in order to provide feedback to the consulting team and the information discussed. A project website would also provide a forum to view PCC materials and comments as well as links to online surveys created through SurveyMonkey.

The proposed venue for PCCs is the Dr. William Laceby Nobleton Community Centre and Arena (15 Old King Rd.). The community centre is well-situated in relation to the Nobleton community, is accessible and includes meeting rooms with a capacity of up to 150 people.

6.5 Pop-Up Consultations

The PCCs and Stakeholder Advisory Group consultations will be augmented by “pop-up” events at venues where members of the public congregate, such as a community centres, community events, schools or church halls. This will expand the reach beyond the “usual suspects” (or those with related issues) and gain input from a much broader range of community members. These smaller-scale events can include a project display map and project staff available to answer questions and do not require interested residents to come out to a specific meeting at a set time. Venues for “pop-ups” are anticipated to be at the Nobleton Public Library and Community Centre and Arena but final locations and schedule will be determined at a future date to coincide with project milestones.

6.6 Stakeholder Advisory Group

A Stakeholder Advisory Group (SAG) will be established for the study, with a Terms of Reference (attached as **Appendix E**), to ensure that all key sectors and representative members of the community are provided with opportunities to participate in the consultation process and that information is provided to interested parties in a clear, transparent, and inclusive manner. The SAG will meet periodically throughout the Class EA to provide feedback on consultation activities and ensure that the community is aware of and engaged in the process as it evolves. At a minimum, it is envisioned that the SAG will meet three times, once in conjunction with each PCC round.

The SAG will be facilitated by Jim Faught of Lura Consulting, with the Black & Veatch project team and York Region's project manager attending to share EA related content and information with the SAG members.

Responsibilities:

SAG members will provide feedback on the engagement process and plans; review, vet and provide comments on the PCC materials; and act as a sounding board for the project team throughout the Class EA.

Qualifications:

Members should be active participants in the local community, have an open mind, and have a strong interest in the future of the community.

Recommended SAG Size and Membership:

- Five to seven representatives from Nobleton and King Township, including: permanent residents, business owners, and owners of undeveloped properties;
- Environmental group representative(s);
- Developer group representative(s) (i.e. Nobleton North, Nobleton Landowners Group)
- One or two representatives from the community-at-large.

6.7 Technical Advisory Committee

A Technical Advisory Committee (TAC) will be established to provide technical guidance to the consulting team and act as a sounding board for technical decision making throughout the Class EA. The TAC could also assist in identifying potential approval requirements. Terms of Reference are attached as **Appendix F**. At a minimum, the following agencies/organizations should be invited to be part of the TAC:

- York Region (including Public Health Unit, water etc.);
- Township of King;
- Ontario Ministry of the Environment and Climate Change;
- Toronto and Region Conservation Authority
- Ontario Ministry of Natural Resources and Forestry

6.8 Project Reports and Files

Project files and Environmental Study Reports will be available to the public at the following venues:

Regional Municipality of York Clerk's Office
17250 Yonge Street
Newmarket, ON L3Y 6Z1

Township of King Clerk's Office
2075 King Road
King City, Ontario L7B 1A1

Nobleton Public Library
8 Sheardown Drive
Nobleton, ON L0G 1N0

6.9 Accessibility

It will be critical throughout the Class EA that services are provided in accordance with the Accessibility for Ontarians with Disabilities Act (AODA). This includes using all

reasonable efforts to ensure that project materials and engagement opportunities are fully accessible and compliant with AODA requirements.

Throughout the Class EA, the consulting team will:

- Ensure Public Consultation Centres and other consultation activities are held in buildings with barrier-free access; and
- Work with the Region in providing accessible formats on the project website and provide AODA communications supports, upon request.

6.10 Evaluation

The following activities will be undertaken to evaluate the effectiveness of this Public Engagement and Communications Plan.

- Reviewing attendance numbers at the Public Consultation Centres;
- Requesting formal and informal feedback on the consultation process at Public Consultation Centres, Committee meetings and on the study website;
- Tracking the number of visits to the study website and evaluating changes in traffic that occur in response to particular consultation events (e.g. mailing or emailing out notices);
- Tracking social media activity (posts, responses etc.); and
- Examining the number and content of emails received from the public and other stakeholders.

7.0 DELIVERABLES SCHEDULE

Much of the project timeline and its related deliverables are dictated by the Class EA process. In order to engage the public and other stakeholders, Class EA updates and Public Consultation Centre notices will be placed in the information pages of local newspapers. The Notice of Study Commencement and the Notice of Completion will be mailed directly to property owners in the study area and published in the local newspaper.

Class EA updates will also be provided to the King Township council so that Councilors can then inform their constituents about the Class EA.

- The **Notice of Commencement** will be the formal launch of the project. It is expected to be issued on **October 23, 2018**. The roll-out plan will include publication of the notice in required media outlets as well as dissemination to those on the stakeholder list.
- **PCC#1** is scheduled for **November 21, 2018**. For each PCC, notices will be distributed and published publicly, as with the Notice of Commencement. A summary report based on comments from the PCC will be prepared by Lura following the meeting and comment period.
- **PCC#2** is scheduled for **May 3, 2019.**
- The preferred design alternative will be presented at **PCC#3**, on **October 29, 2019**.

All materials will be delivered to York Region

Pop-ups and other events could be added to the schedule but the tentative consultation schedule is below. Deliverable templates developed to date are attached as **Appendix C.** Lura will work with York region PMO, corporate communications, and ENV team to create documents appropriate for the project as it evolves.

A detailed table of project deliverables is included as **Appendix D**.

Table 1 - Project deliverables schedule

DATE	PHASE	EVENT
Oct. 23, 2018	Phase 1 – Identify the Problem or Opportunity	Notice of Commencement
Oct. 2, 2018	Phase 1	Stakeholder Input for PCC #1
Nov. 21, 2018	Phase 1	PCC # 1 – Alternative Servicing Solutions
March 20, 2019	Phase 2- Alternative Solutions	Stakeholder Input for PCC #2

May 21, 2019	Phase 2	PCC # 2 - Alternative Design Concepts
Sept. 9, 2019	Phase 3 – Alternative Design Concepts for Preferred Solution	Stakeholder Input for PCC #3
Oct. 29, 2019	Phase 3	PCC # 3 – Preferred Concept Design
Jan. 16, 2020	Phase 3	Notice of Study Completion
March 18, 2020	Phase 4 – Environmental Study Report	Environmental Study Report

7.1 Opportunities to Comment

At all PCCs and pop-up events, the public and other stakeholders will be encouraged to leave comments and feedback following the meeting. Following each consultation activity, a report would be written that summarizes and records the comments and feedback received from the participants. Official notices, such as the Notice of Commencement, also provide formal opportunities for comment and input on the Class EA.

At the beginning of the Class EA, email and voice mail feedback tools will also be established to provide the public and other stakeholders with numerous avenues to provide input and ask questions. These feedback tools should be promoted on all communication materials.

Social Media channels – particularly Facebook and Twitter – will be important tools throughout the project for public engagement and dialogue, as well as at key milestones, such as the PCCs.

Additional informal meetings may be required, and may be considered if local residents or the business community appear disengaged or dissatisfied with the extent or frequency of consultation activities.

8.0 DEPENDENCIES, RISKS AND IMPACTS

The project success will depend on a comprehensive community and stakeholder engagement program that is open and transparent. The feedback received and how it was dealt with in the study are critical communications aspects for the project team to communicate to the community so they can see how the consultation program and their feedback were taken into account during the study and for the final study report. A risk of community backlash against the study especially for those who oppose growth in the community will be dealt with in an open and transparent way through direct response and key messages about the purpose of the study and the incorporation of community feedback into the study results.

9.0 CONCLUSIONS

The Regional Municipality of York is undertaking an important Class EA for the infrastructure servicing of the community of Nobleton. This process is aimed at determining alternative solutions to service the projected 2041 population of 10,500 in accordance with the principles of York Region's Water and Wastewater Master Plan.

The activities contained in this Public Engagement and Communications Plan reflect the need to have an enhanced outreach program for local residents and stakeholders throughout the Class EA process. As the Class EA process unfolds, especially with the first Public Consultation Centre, public interest will grow. This Plan has been developed to focus this interest and ensure that the public and other stakeholders are meaningful participants in the Class EA process.

The fact that a previous Class EA was conducted on this issue and evoked strongly mixed responses from the community and agencies presents a unique challenge. However, maintaining a clear, transparent, and inclusive communications and consultation process will help to ensure that meaningful dialogue takes place so that innovative and achievable servicing strategies can be realized.

Class EA for Water and Wastewater Servicing in the Community of Nobleton

Stakeholder Sensitivity Analysis

Prepared by Lura Consulting for Black & Veatch

January 29, 2018

The report was prepared by Lura Consulting on behalf of Black & Veatch. If you have any questions or comments about this report please contact:

Jim Faught

Lura Consulting
Phone: 416-536-2215
Email: jfaught@lura.ca

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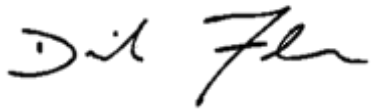

David Fleischer
Public Consultation Support

QA/QC Review Conducted By

Jim Faught
Public Consultation Lead

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1. Background

Nobleton is a community in King Township, located in York Region. Currently, Nobleton is serviced by standalone water and wastewater systems to meet the needs of the current population. The York Region Water and Wastewater Master Plan (2016) indicated that both the water and wastewater systems would not have sufficient capacity to meet requirements to support growth to the 2041 Master Plan horizon. Therefore, the Master Plan recommended undertaking the current project, a Schedule C Class Environmental Assessment (EA), to identify preferred servicing solutions to accommodate growth.

This Stakeholder Sensitivity Analysis has been prepared in advance of initiating the Class EA with the following objectives:

1. Identify stakeholder groups
2. Discuss study perspectives
3. Present stakeholder sensitivity strategy

1.1 Purpose of the Stakeholder Sensitivity Analysis

The Municipal Class Environmental Assessment process outlines a five-phase process and minimum required consultation process. In addition to the Notice of Commencement, the Class EA requires Public Consultation Centres (PCCs) and comment periods at three points: following the identification of the preferred servicing solution(s), to present alternative design concepts for the preferred solution and then for the preferred design concept. The public also has the opportunity to review the final Environmental Study Report before a decision is made/approval to proceed is granted.

Due to the sensitive nature of this project, which may add infrastructure that will facilitate growth not long after a similar and contentious process, the Project Team recognizes the importance of engaging the full spectrum of stakeholders in order to achieve a successful study.

To that end, a Stakeholder Sensitivity Analysis (SSA) was developed. Its purpose is to identify all relevant stakeholders, to include them and understand their respective backgrounds, positions and viewpoints in order to pro-actively determine potential concerns and issues as well as the strategies and measures for addressing those concerns prior to initiating the Class EA study.

Careful, meaningful and sincere stakeholder management is thus critical to the overall success of the proposed undertaking.

1.2 History of Public Consultation in Nobleton and Consultation Complexity

In the 1990s, York Region and King Township initiated the Nobleton Sewage Servicing (NSS) Schedule C Class EA. This previous Class EA focused on increasing wastewater servicing capacity in the Community

of Nobleton in order to service future growth. At the conclusion of the study, the Preferred Solution was identified to be construction of a new Nobleton Water Resource Recovery Facility (now in operation).

The Class EA included five public meetings between 1996 and 2001, the final one of which hosted nearly 130 attendees and received nearly 200 pieces of correspondence.

Among the common themes seen in the feedback are:

- An emphasis on having a local system rather than hooking up to the "Big Pipe" YDSS system;
- Concerns about a new sewage system enabling unwanted development;
- A desire to preserve Nobelton's rural character and stick with the existing plan for the community;
- Questions about the costs of hooking up to the new system;

In addition, while many residents were happy and/or relieved that plans for getting off the existing septic system were coming to fruition, concerns were also voiced about potential odour and water quality issues.

The quantity and quality of the responses shows an active and informed public, in a community that has grown from a population of 3,200 at the time of the previous NSS Class EA, to approximately 5,200 people in 2012 (census data). Increased awareness of growth and environmental issues, as well as the spread of social media, also make it likely that the current Class EA will attract significant community attention and scrutiny.

1.3 Environmental Sensitivity

Nearly the entirety of King Township falls within the sphere of the Greenbelt Act and Oak Ridges Moraine Conservation Plan. However, Nobleton is a designated settlement area. Protected lands in the Oak Ridges Moraine are located directly to the north of Nobleton and the Greenbelt lands lie to the east and west. The City of Vaughan is directly to the south, but the Greenbelt's protected countryside lands continue there, meaning Nobleton is surrounded on all four sides by environmentally sensitive lands.

The project Study Area is anticipated to be limited to the community boundary of Nobleton, which coincides with the designated settlement area within the Greenbelt and Oak Ridges Moraine protected areas. The environmental sensitivity related to the Greenbelt in the area will feed into the Public's opinion of this study.

1.1 1.4 Nobleton Community Profile

Nobleton is a historic village of nearly 6km^2 located in the southwest quadrant of the Township of King, centred around the King Road and Highway 27 intersection. Founded in 1812, the community has largely retained its rural, small-town character despite the growth pressures in the surrounding Greater Toronto Area. Under King's current plans, the community's population is expected to grow to a

population of 6,750 by 2021. The majority of Nobleton is zoned for single detached residential uses though the Nobleton Community Plan preserves 35 acres of employment lands along Highway 7.

As of the 2016 Canadian Census:

- The census population nearly doubled from 2,554 to 4,614 between 2011 and 2016.
- 65.5% of the population is between the ages of 15 and 64 and the average age is 36.1 years.
- 95% of the existing residences are single-detached houses and there are no apartments of five or more stories.
- The average size of census families is 3.4 persons.
- English is the predominant mother tongue, accounting for 96.5% of residents.
- Only 725 residents identified themselves as a visible minority, about half of whom were South Asian.
- The median total household income in 2015 was $138,688 ($113,408 after tax).
- The average and median house price in Nobleton were virtually identical, at just over $1 million.

2. Identification of Stakeholders

2.1 Project Initiation Meeting

Prior to the formal initiation of the Class EA study, a preliminary kick-off meeting of the project team took place on July 7, 2017 at the Bill Fisch Forestry Stewardship and Education Centre in the Town of Whitchurch-Stouffville. A key task for participants was to identify project stakeholders, consider their level of engagement/interest and how best to frame the conversation going forward.

Two potential Opportunity Statements were presented to the group and following some discussion, a draft statement was arrived at:

> "Identify innovative, safe and reliable water and wastewater servicing solutions for the community of Nobleton in King Township, to support approved population growth from 6,500 to 10,500, while optimizing the use of existing systems. The preferred solution must be socially, environmentally and financially sustainable."

At a general level, a key theme that emerged from discussions was the sensitivity of the existing Nobleton community to seeing a proposal that would facilitate the near-doubling of its population. King representatives further emphasized that the Township has not yet passed the Official Plan Amendments necessary to direct growth to Nobleton (as opposed to King City and Schomberg). Therefore, the Class EA would technically be preceding the enabling planning legislation and thereby coming as a surprise to residents of Nobleton and King. As a result, managing the messaging regarding the potentially substantial changes coming to the community will be a key challenge going forward.

2.2 Stakeholder Identification Exercise

A substantial exercise at the kick-off meeting was the identification and prioritization of stakeholders. Participants were divided into two groups and asked to:

1) Identify any direct or indirect stakeholders
2) Rate their likely level of engagement with the proposed project
3) Rate their likely level of influence on the proposed project

The results of this exercise are included in the following table:

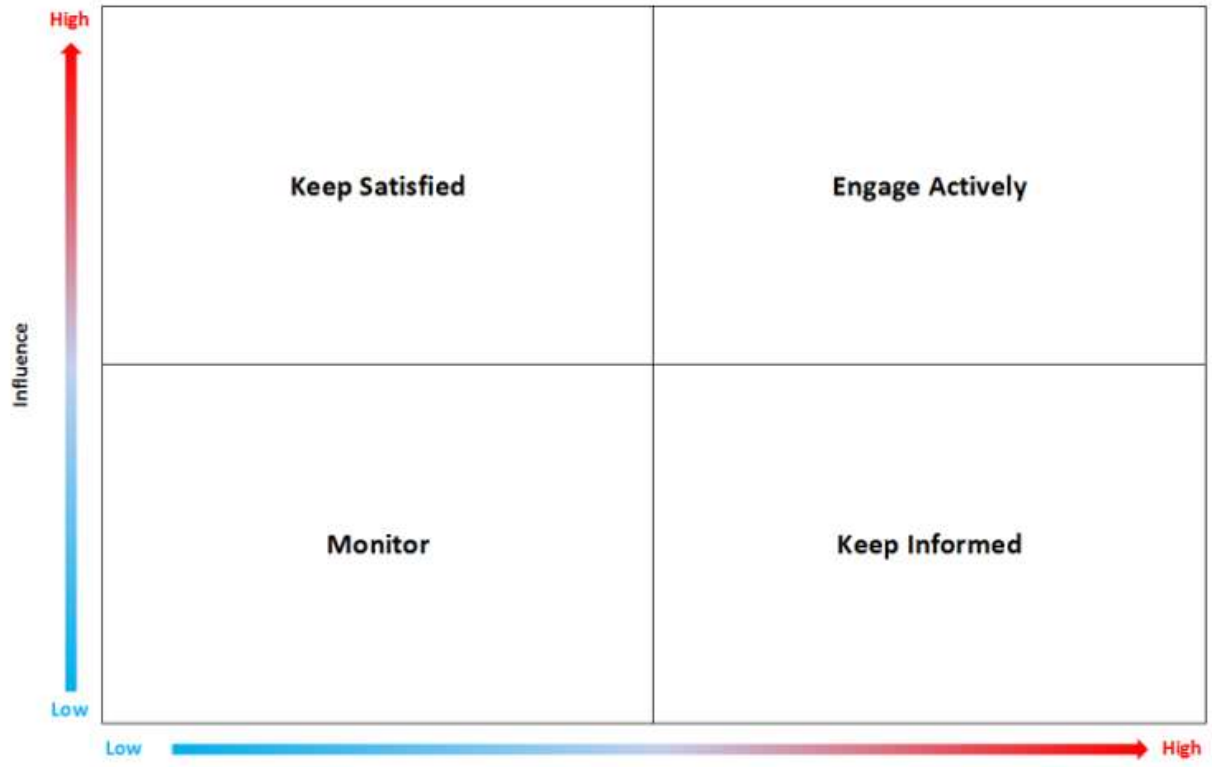


Figure 1 - Matrix used at kick-off meeting to identify and assess stakeholders

Table 1 Stakeholder Identification and Categorization Activity Summary

Engagement Level	Group 1	Group 2
Monitor	• Utilities • Farmers • Utilities • Horticultural Groups • School Boards • Other York Region residents	• Provincial politicians (election in 2018) • OMB • School boards • CN and CP Rail • Anti-development Activists • Infrastructure Ontario • Commuters

Engagement Level	Group 1	Group 2
Keep Satisfied	• Agencies (TRCA, MOECC) • First Nations	• Agencies (MMAH, MOECC, TRCA, MTO, MNRF) • Culture and Tourism
Keep Informed	• Greenbelt Groups • Transportation groups: commuters, railways, trucking companies • Nature Conservation Groups	• First Nations • Business Community • Ontario Federation of Agriculture • Utilities • Housing • Transportation • Future residents
Engage Actively	• York and King W/WW operators • Residents of Nobleton • Developers • Ratepayer groups • Resident Associations/Groups • Business Community • Township of King staff • Township of King councillors • York Region IAM Branch	• Existing Nobleton residents • Local ratepayers • King Township Councillors • York Regional Councillors • Local citizen and ratepayers groups (e.g. Concerned Citizens of King Twp.) • Local Municipalities • Developers • New Nobleton Residents • Town Economic Development • Environmental branches

As can be seen, while both groups identified many common stakeholder groups, there was a diversity of opinion in terms of how to prioritize the engagement of these stakeholders.

2.3 Stakeholder Analysis

Stakeholders may be defined as:

- **Influencing Stakeholders** – Those who may be able to influence the study outcome and have technical knowledge or regulatory / political / legal authority on the project;
- **Supportive Stakeholders** – People and groups who can cooperate, lend expertise and influence to achieving a successful project.
- **Opposing Stakeholders** – Those likely to have negative opinions with respect to the project; and
- **Other Stakeholders** – Who may have an interest in the project for other reasons.

Using the analysis by project team, an analysis was undertaken to group the large list of stakeholders into simplified categories:

- **Affected stakeholders** – Requiring active engagement, these are parties directly or indirectly affected (positively or negatively) by the proposed project. These can include residents and property owners, local businesses and associations (including schools, religious associations etc.). The more their daily routines are affected (or perceived to be affected) by the project, the more they can be expected to seek involvement, requiring the Project Team's attention.
- **Influence stakeholders** – Needing to be kept satisfied and/or informed, these are groups that can influence the outcome of the project either through personal influence (e.g. political, regulatory, legal) or through technical knowledge (e.g. design, environmental and social impacts etc.). These include the various levels of government, agencies such as conservation authorities, utilities and school boards, and various community, environmental and other interest groups.
- **Other Stakeholders** – Members of the broader public who likely have a vested interest in the outcomes of the study but who are difficult to engage for a series of reasons. These could include future residents of Nobleton, other residents of King or surrounding municipalities and commuters who travel to/through the area. The interests of these groups can hopefully at least be monitored through the EA process.

Though this is the outset of the EA process, the stakeholder identification process is dynamic and evolves along with the project. New stakeholders may enter the process and others may become more or less involved as it proceeds. Essential to obtaining the optimal outcome of the project is the ability to include all stakeholders, allow them to participate in the process and identify issues as they arise.

The following table identifies the stakeholders currently identified and groups them relative to the categories described above. To reiterate, this is a "living document" and these groups and individuals, and their rankings, are subject to constant revision throughout the Class EA process. A detailed Stakeholder Contact List is attached as Appendix A.

Table 2- Stakeholder Sensitivity Analysis

Stakeholder Category	Identified Group(s)	Likely Concerns	Level of Engagement
AFFECTED	Residents • Nashville Area Ratepayers Association (NARA) • Concerned Citizens of King Township (CCKT)	• Changing character of community • Developing agricultural land / greenspace • Traffic and other growth-related concerns	Engage Actively

	Businesses • King Chamber of Commerce • Nobleton Village Association	• Traffic and other growth-related concerns	Engage Actively
	School boards • York Region District School Board • York Region Catholic District School Board • Private schools	• Impacts on enrollment / facilities	Monitor
	Commuters	• Traffic and transit impacts	Monitor
	Developers • Nobleton Landowners Group	• Market and infrastructure costs (e.g. Development Charges)	Actively Engage
INFLUENCE	Municipal politicians • King • York Region	• Constituent response, changing character of community	Keep Informed
	Municipal staff • Planning • Water and wastewater • Environment • Economic Development	• Technical issues related directly to infrastructure and indirectly to planning for new development etc.	Actively Engage
	Municipal agencies • Health • YRT/Viva	• Service delivery	Actively Engage
	Provincial politicians	• Constituent response (e.g. environmental issues)	Monitor
	Provincial ministries / agencies • MOECC • MMAH • MNFRF • MTO • OMB	• Technical / policy compliance • Approval authorities	Keep Satisfied

	• Metrolinx/GO		
	Utilities • Enbridge • Electric utility • CP and CN Rail	• Infrastructure planning / interference	Monitor
	Other Agencies / Bodies • TRCA	• Approval authority	Keep Satisfied
OTHER	Indigenous / First Nations	• Typically notified	Keep Informed
	Ontario Federation of Agriculture	• Impacts from development of greenspace	Keep Informed
	Environmental Groups • York Region Environmental Alliance • S.T.O.R.M. (Save The Oak Ridges Moraine)	• Impacts from development of greenspace	Actively Engage
	York Region residents at-large	• Impacts of new development (traffic, costs etc.)	Monitor
	Potential future Nobleton residents	• Housing	Monitor
	Anti-development activists	• Development of greenspace, changing character of community etc.	Monitor

3. Study Perspectives

Growth management and intensification have been key issues in York Region and King Township for more than a decade. As the prior Class EA was proceeding, King Township was among the Ontario municipalities involved in the discussions over how to protect the Oak Ridges Moraine from development. That process eventually led to the Oak Ridges Moraine Conservation Plan (2002) and later the Greenbelt Plan (2005) and the Growth Plan for the Greater Golden Horseshoe (2006).

Through these plans, areas subject to environmental protection were singled out and areas of settlement identified. As a result, local residents became engaged in the civic discourse surrounding these issues and expectations developed as to what constituted the future of development in York Region's Greenbelt and in Nobleton, in particular. It can thus be expected that residents will be displeased with plans that seem to upset the status quo and be seen as re-opening debates that once seemed settled. The 2001 Nobleton Sewage Servicing Class EA demonstrated how contentious the issues were when it came to installing new and necessary infrastructure and how that infrastructure

would encourage unwanted growth and change. Though the current population of 4,600 is still not approaching the previously planned 6,500-person buildout, residents are certain to have concerns about future plans that would more than double the existing population and increase the projected final population by 50 per cent.

Unlike the previous process, in which residents were concerned about the means and nature of the infrastructure but largely happy to replace their septic systems with a municipal wastewater system, the residents this time may be likely to see less direct benefit and be even more strongly focused on the growth element. The current Class EA would also be subject to comments from a larger and more well-informed and organized populace as well. This is of even greater concern still, because to date the planning for the infrastructure is being undertaken without the underpinning growth plan having been presented (via King Township council) to residents.

It can be anticipated that anti-development residents and groups will focus on, and direct attention to the dominating environmental legislation in the area and ask whether the project is ruining the village character of Nobleton or bringing "urban sprawl" to lands whose protection from development should be assured. Development groups whose lands are peripheral or near to the project study area could add "fuel to the fire" by trying to advocate for even greater growth.

There may be some groups (e.g. Chamber of Commerce) that see the financial and other benefits of managed growth and new infrastructure in Nobleton but there will also be a strong, latent anti-development voice ready to protest once the project is announced.

Addressing their concerns will require a proactive and sincere engagement approach that gives opposing stakeholders a full understanding of the issues at hand and which can present tangible benefits – and just as importantly, no new negative effects – to the community in the short and long term.

There is a limited however small chance of potential show stoppers. All expected show-stoppers can be mitigated through a comprehensive communications and engagement strategy and through a thorough EA study that takes into consideration all potential issues. If a bump up request is filed, the project team will be able to respond with an appropriate technical explanation to satisfy the request.

4. Stakeholder Sensitivity Strategy

The over-arching goal of the engagement process is to address all concerns from stakeholders, incorporating input appropriately, and arriving with a preferred option in accordance with the project schedule (e.g. with a goal of no "bump up" requests etc.).

To this end, we seek to:

- Document and discuss issues and concerns raised by any residents and stakeholders. All input to the Class EA study process will be documented in the ESR via a Class EA comment log that will have a response expressed on how the input was considered and integrated, or not, into the

study. Opportunities and mitigation measures should be implemented where appropriate and feasible;

- Treat the stakeholder engagement process as a dynamic and adaptable process that evolves, adds new stakeholder members to the project list as they arise and keeps stakeholders informed about milestones, public consultation centres and other events and project milestones as they arise; and
- Respond to all concerns in an open and transparent manner. Formal written responses will be given to any mail/email contacts, meetings may take place to discuss and address concerns and the project team will maintain a dialogue with its stakeholders throughout the study.

Ensuring the success of the project will require an approach that goes well beyond the minimum consultation requirements of the EA process. A formal Communications Plan will address the specifics of this will be accomplished but a key aspect will be an active Stakeholder Advisory Group (SAG). The details of the composition, Terms of Reference etc. are still to be determined but its principles should include that it:

- Is **inclusive**, representing the diversity of views and interests;
- Is **open**, providing a forum for stakeholders, regardless of their point of view, to contribute to the consultation process, and engage in dialogue with and advise the project team.
- Is **consensus-based**, seeking to find common ground and achieve goals that achieve broadly distributed benefits;
- Is **documented,** ensuring that where there are disagreements, they are recognized, recorded and addressed;

Other working groups will provide forums for technical teams and influence stakeholders to interact, moving the project forward on the proscribed timeline.

5. Next Steps

The following actions are proposed for the Nobleton Water and Wastewater Servicing EA in order to ensure a transparent and successful project:

- Log all comments and feedback received in a EA comment database
- Respond promptly to all feedback, addressing concerns where warranted with due diligence;
- Anticipate likely concerns from various stakeholders and engage with sincerity to resolve/address them when they arise;
- Maintain and review the stakeholder database to ensure it is up-to-date and no relevant parties are left off the list;
- Ensure the presence of facilitator at PCCs and use various means as appropriate to maintain a transparent and genuine dialogue with stakeholders.
- Meet with individuals and groups as necessary to hear concerns and identify opportunities that will benefit the project and the community at large.

APPENDIX A – STAKEHOLDER CONTACT LIST

Municipal Class Environmental Assessment Study: Water and Wastewater Servicing in the Nobleton Community

Public Consultation Centre #1 Summary Report

February 28th, 2019
Dr. William Laceby Community Centre and Arena
Nobleton, ON

Prepared for: The Regional Municipality of York

Prepared by: LURA Consulting

Table of Contents

A. Introduction

I. PCC Background

The first Public Consultation Centre (PCC) for the Water and Wastewater Servicing Municipal Class Environmental Assessment (EA) for the Nobleton Community was held on Thursday, February 28, 2019. The PCC was held at the Dr. William Laceby Community Centre in the community of Nobleton in King Township. The event was an open house that ran from 4 p.m. to 8 p.m. The PCC provided participants an opportunity to gain an understanding of the project background and EA process. The PCC also provided participants an opportunity to provide feedback on the alternative solutions evaluation criteria and the project more broadly.

Participants at the PCC were able to engage with members of the project team on key aspects of the EA Study through various means, including:

- An open house feedback form (also available online);
- An alterative solutions evaluation criteria survey form (also available online);
- Panel boards (also available online); and
- Members of the project team (each of whom specialized in a topic area) were available to answer questions.

The PCC was attended by approximately 90 participants. Of the 90 participants, 77 signed-in.

II. PCC Briefing

A briefing document was prepared following the PCC. This document provided a high-level summary on the open house. It described:

- The purpose of the event;
- The engagement opportunities available to participants at the event; and
- The comments received through the open house feedback form and the alternative solutions evaluation criteria survey form.

A copy of the PCC briefing document is provided in Appendix A**.**

B. Notices & Distribution

I. Notices

A Notice of Open House was distributed to residents and stakeholders on February 14, 2019 through email, mail, and on the York Region website. In addition, the Notice was also published on the Region's social media accounts: it was published on the Region's Twitter page on February 15 and 27, 2019, and on the Region's Facebook page on February 14, and 25, 2019. The Notice was also published in the local newspaper, *King Connection*¸ on February 14 and 21, 2019.

Copies of the Notices provided to residents and stakeholders are attached in Appendix B.

II. Distribution List

Notices were sent to: various municipal and provincial governments and agencies; utilities; community associations; private companies; and First Nation groups. Notices were also sent to properties located within the study area (Figure 1). Residents who requested to be added to the mailing list were also sent the Notice. The distribution list is provided Appendix C.

Figure 1: A map illustrating the study area, service area, and existing Regional infrastructure.

C. Participants

A total of 77 people signed in. Names are excluded for privacy reasons.

D. PCC Summary

The PCC featured 7 display panels, situated around the room, that provided context on the purpose of the EA Study; the steps involved in an EA; the proposed project timeline; and opportunities for residents and stakeholders to stay informed about the project. A copy of the display panels is provided in Appendix D.

Participants were asked to provide feedback on the alternative solutions evaluation criteria through a survey. The purpose of the survey was to allow participants to identify the most important criteria for evaluating possible water and wastewater servicing solutions. The survey also provided an opportunity for participants to submit additional comments and concerns for consideration when developing the evaluation criteria.

Participants were also asked to provide comments on the open house, in terms of the overall helpfulness of the open house. Participants were also asked to identify if there were any improvements that were needed for the next open house.

Blank copies of the alternative solutions evaluation criteria survey and open house feedback form are provided in Appendix E.

A table summarizing the total number of participants and number of completed feedback forms is provided below.

Table 1: Number of participants and completed feedback forms received.

Engagement Activity	**Number of Participants**
Public Consultation Centre	90
Alternative Solutions Evaluation Criteria Survey	14
Open House Feedback Form	16

I. Alternative Solutions Evaluation Criteria Survey

During the PCC, participants submitted feedback on the alternative solutions evaluation criteria. The survey remained open for three weeks following the PCC until March 21, 2019. A total of 14 completed surveys were received, either handed in at the PCC or submitted via email. The following is a summary of the feedback received for the alternative solutions evaluation criteria.

Alternative Solutions Evaluation Criteria for Consideration

Participants were asked to select all the criteria that they identified as being the most important for evaluating possible water and wastewater servicing solutions. A total of 13 participants provided a response to this question; 2 participants skipped this question. A broad range of criteria were provided to participants in five categories. The top criterion/criteria for each category is as follows:

1. **Natural Environment:**
    - Impacts to underground water/aquifers

2. **Jurisdictional/Regulatory:**
    - Compliance with regulatory requirements; and
    - Water/wastewater infrastructure land requirements
3. **Social & Cultural:**
    - Noise and odour
4. **Technical:**
    - Impact to existing utilities
5. **Economic:**
    - Capital (construction) cost; and
    - Life cycle (operation and maintenance cost)

A table summarizing the results of the survey is provided below.

Table 2: Results of the alternative solutions evaluation criteria survey for the most important criteria.

Category	Criteria	Number of Participants that Selected the Criteria as Being Most Important	Percentage
Natural Environment	Proximity to environmentally sensitive areas	7	58.3%
	Impacts to streams/rivers	6	50.0%
	Impacts to species at risk	4	33.3%
	Impacts to trees and vegetation	6	50.0%
	Impacts to underground water/aquifers	11	91.7%
Jurisdictional/Regulatory	Compliance with regulatory requirements	7	58.3%
	Water/wastewater infrastructure land requirements	7	58.3%
	Permits and approvals	2	16.7%
Social & Cultural	Noise and odour	5	41.7%
	Construction	4	33.3%
	Visual	2	16.7%
	Traffic	3	25.0%
	Cultural Heritage Significant	3	25.0%
	Archaeological Significance	1	8.3%
	Land Requirements	3	25.0%
Technical	Constructability	0	0.0%
	Impact to existing utilities	3	25.0%
Economic	Capital (construction) cost	4	33.3%
	Life cycle (operation and maintenance) cost	4	33.3%
	Land acquisition cost	2	16.7%
	Answered	13	
	Skipped	2	

II. Open House Feedback Form

Participants were given a feedback form to provide general comments about the proposed project. The feedback form also gathered comments on the overall success of the event more broadly, and if there were any opportunities for improvement for the next open house. The feedback form remained open for three weeks following the PCC until March 21, 2019. A total of 16 participants completed an open house feedback form, submitted either in-person at the PCC or via email. Below is a summary of the responses received from the open house feedback form.

Overall Helpfulness and Convenience of the Open House

Participants were asked to answer a number of questions to rate the overall helpfulness and convenience of the open house. A total of 14 participants provided responses. Two participants skipped the survey. The participants were asked the following questions:

1. Did the open house help you understand the proposed project?
2. Were your questions answered to your satisfaction?
3. Were the display materials helpful?
4. Were the time and location of the open house convenient for you?

The results of the feedback are summarized in the table below.

Table 3: Results on the survey asking participants to respond to the overall helpfulness and convenience of the open house.

Question	**Number of Responses**	
	Yes	**No**
Did the open house help you understand the proposed project?	13	1
Were your questions answered to your satisfaction?	13	1
Were the display materials helpful?	12	2
Were the time and location of the open house convenient for you?	14	0

Suggestions for Improvements for future Open Houses

Participants were invited to provide comments on how the open house could be improved. A total of eight participants provided written feedback. Nine participants skipped this question.

Of the eight participants that had provided written feedback, three indicated that improvements were not needed. The remaining five participants noted that:

- The time and/or date could be changed to a weekend to accommodate people who are not available during weekday evenings.
- More notice of the meeting date is needed.
- An explanation for why residents and stakeholders should attend the meeting is needed.

- More information about the project is needed to allow participants to provide feedback on the materials presented to them.
- Present alternatives solutions so that participants can weigh the pros and cons of each.
- Have additional boards or paper copies of the study/service areas.
- The Notice of Open House should be mailed and addressed to all owners of each property.
- Have a Question & Answer period, so that the public can hear the questions posed by their peers.

III. Additional Feedback

Participants expressed concerns over a number of issues. Concerns were expressed over water quality issues, noting that the water received in Nobleton contain high concentrations of iron, magnesium, calcium, and chlorine. Multiple participants noted that the water from the tap runs yellow/brown and has a foul odour due to high concentrations of iron present in the water. These problems persist even after installing water softeners/filtrations in their homes. Participants discussed that the current water quality has significant health implications, emphasizing that the existing water quality must be improved. Participants expressed that options for water sourcing should consider the levels of metals and minerals present in the water source. One participant suggested changing the well source to lake source in Nobleton to improve water quality.

Many participants voiced that the cost of water treatment and wastewater disposal are currently too high in Nobleton. They also discussed concerns over the existing and future cost of water and wastewater servicing. They asked that consideration be given to lowering the cost of water and wastewater servicing.

Participants felt that the planning context is important. Proposed solutions and alternatives need to be tailored to Nobleton's planning context. In particular, planning for water and wastewater servicing should consider Nobleton's designation as a Settlement Area within the Greenbelt. Nobleton is home to valuable farmland, aquifers, and endangered species. The northern edge of Nobleton is also located within the Oak Ridges Moraine. One participant emphasized that proposed solutions and alternatives need to avoid costly, low density sprawl beyond the urban boundaries. Appropriate, modest intensification should be within the urban boundary. Other participants noted that growth and expansion in Nobleton are not desired. Firstly, the Growth Plan has indicated that growth in settlement areas in the Greenbelt would be limited. Second, given that the Region has not determined population allocations for King Township to 2041, it is difficult to understand what would be the most appropriate long-term solution. Participants expressed that Nobleton's unique village atmosphere needs to be protected.

The Province's Greenbelt Plan, Growth Plan, and Oak Ridges Moraine Conservation Plan provide guidance on the servicing for water and wastewater for Nobleton. Specifically, the proposed project should consider policies that speak to:

- Limiting impact on key natural heritage features and key hydrologic features;
- Population and job growth;
- Life cycle costs of infrastructure;
- Climate change; and
- Viable water sources.

The Township's Official Plan and any relevant policies administered by the Toronto and Region Conservation Authority that protect the environment should also be considered. Participants expressed that servicing should be prioritized for existing homes in Nobleton that are not connected to municipal water and wastewater servicing; this should be done before servicing for new development is considered. They also expressed that the Township has been experiencing issues with stormwater entering into the sanitary sewer pipes – this issue seems to be difficult to solve. Given that, participants expressed caution over installing more pipes until the existing problem is solved.

One participant noted that as the project moves forward, it is important that transparency about the study is upheld. Specifically, communications about the project's progress and study results should be shared with residents. They also added that if there is insufficient water within Nobleton, piping water from Lake Ontario should be avoided.

E. Comments and Issues

Participants were invited to provide written comments on concerns and issues related to the proposed project using the alternative solutions evaluation criteria survey and the open house feedback form. The feedback received generally related to: water quality issues in Nobleton; the cost of water and wastewater servicing; and the need to consider appropriate growth and intensification. Below is a chart documenting the written comments received from the survey and feedback form. Where possible, the name of the participant is provided. A copy of the survey and feedback submitted by participants are attached in Appendix F.

Table 4: Comments and issues provided by participants on the alternative solutions evaluation criteria survey and open house feedback form.

Form Type	Comment/Issue
Alternative Solutions Evaluation Criteria Survey	Why is the cost not absorbed by the developers who will be involved?
Alternative Solutions Evaluation Criteria Survey	Drinkability and water quality; high iron, high minerals; old infrastructure.
Alternative Solutions Evaluation Criteria Survey	We live at [redacted]. Our water softener is showing the pre-filter running red and thick with iron rust too soon (2 months). The filter is supposed to be replaced every 12 months.
Alternative Solutions Evaluation Criteria Survey	There is a high level of chlorine in my drinking water since July 2018. For the 30 years before I could drink the tap water with no problem but now I can't as it makes me sick, also we are the only subdivision in King Township that does not have sewers. The cost escalates each year we don't get sewers.
Alternative Solutions Evaluation Criteria Survey	Water quality in Nobleton area is very bad. IT contains too much iron, magnesium, calcium, and chlorine. The water treatment process needs to be improved. The price of water is extremely high compared to other areas. Township of King needs to do something to reduce the cost.
Alternative Solutions Evaluation Criteria Survey	Consideration of the planning context - with a long-term view Nobleton is a Settlement Area in the Greenbelt and is surrounded by extensive farmland which requires a high level of protection. The northern edge of Nobleton is on the Oak Ridges Moraine.
Alternative Solutions Evaluation Criteria Survey	Quality of drinking water (Nobleton)
Alternative Solutions Evaluation Criteria Survey	I believe the protection of the environment and protection of Endangered Species specific to the area on the south side of the Oak Ridges Moraine, plus the protection of aquifers are critical to the long-term health of all who live in Nobleton.
Alternative Solutions Evaluation Criteria Survey	My biggest concern is cost
Alternative Solutions Evaluation Criteria Survey	Expansion brings lower property values. This is evident of what is happening in Halton Hills
Alternative Solutions Evaluation Criteria Survey	The main and most important suggestion is to replace the well water source with lake source. The existing well water is with excess of iron. The water

Form Type	Comment/Issue
	quality is terrible. The water is harsh. Please consider changing the water source to lake.
Open House Feedback Form	We have a water softener which has a pre-filter with it, and we are seeing the filter is becoming red and thick very soon (about 2-3 months). The pre-filter is designed to be replaced in 12 months. This seems to indicate the water quality has been something wrong (iron rust). Price: compared with our previous home in Ottawa (Stittsville, ON) the water cost in Nobleton is 4 times higher than Ottawa.
Open House Feedback Form	Not enough info to create feedback about the "project." This was only information about an assessment for development.
Open House Feedback Form	Interesting to learn that it is being funded by developers! Please keep results honest. If insufficient water, please do not pipe it from Lake Ontario.
Open House Feedback Form	My concern is about the excess of iron in our existing water source. We should strongly suggest changing the well source to lake source in Nobleton.
Open House Feedback Form	Given Nobleton's location in the Greenbelt within an important agricultural area and on the Oak Ridges Moraine, there needs to be: 1. Preservation of farmland; 2. Protection and enhancement of headwaters areas and natural heritage systems; 3. All growth needs to be concentrated within the existing urban boundary. Appropriate, modest intensification should be within urban boundary. Proposed solutions and alternatives need to place a high priority on avoiding a future that could lead to low density sprawl beyond the urban boundaries. Making efficient use of existing infrastructure is very important. A big concern with proposing connections to regional water and wastewater will be the pressure to expand beyond the urban boundary and lose additional farmland and contribute to costly sprawl. A solution needs to be carefully tailored to the context of Nobleton as a compact Settlement Area in the Greenbelt.
Open House Feedback Form	Is it possible that the project upgrades the clarifier system to remove the iron as much as possible? The tap water even after soften treatment still yellow colored. We paid additional water and wastewater treatment fee that should cover these iron-remove treatments.
Open House Feedback Form	My main concern: CLEAN WATER. Not yellow, or brown or green. Second, cost effective - I don't care where the water comes from as long as it is CLEAN and affordable.
Open House Feedback Form	We are concerned about the water quality in Nobleton area. Too much iron and manganese in water, colour, and odour is unacceptable! Also, the water treatment fee and wastewater disposal fee are too high. All of those factors affect our quality of life and house price!
Open House Feedback Form	Nobleton does not want expansion. We are a village. Currently the infrastructure cannot handle current population growths that have occurred.
Open House Feedback Form	I have some concern about the quality of the water. The water in Nobleton contains too much iron, calcium, and other dirty elements. It tastes very bad. The price of the water is extremely high compared to other areas.

Form Type	Comment/Issue
Open House Feedback Form	I have problem - all my toilets stain yellow even brown color. From King City someone come to my home they said too much iron in the Nobleton drinking water that is why. Question is this: "Is there any way to get solution this problem?" This cost me a lot of money I already changed all toilets and two separate water softener tank etc.
Email	Was there a resolution from King Council requesting this study?
Email	Nobleton is in the Greenbelt. The NE section of Nobleton's Urban Area Boundary is on the Oak Ridges Moraine. Some of the land in Nobleton's urban area boundary on the ORM has already been developed and some has not yet been developed. The Greenbelt Plan, the Growth Plan and the Oak Ridges Moraine Plan provide a lot of guidance on the servicing for Water and Wastewater for Nobleton. 1. The Greenbelt Plan, section 2.1, says that the requirements of the ORMCP made under the Oak Ridges Moraine Conservation Act, 2001, continue to apply. The ORMCP, Part III Section 19 (3), states that lands in the Settlement Areas must obey sections 21-26 and others. Section 24 Watershed Plans, part 4 states that major development is prohibited unless 3 items are completed, including a water budget and conservation plan, prepared in accordance with Section 25 (with its minimum 10 requirements) and demonstrating that the water supply required for the major development is sustainable. 2. The Growth Plan for the Greater Golden Horseshoe (2017), section 2.2.1 says that growth will be LIMITED in *settlement areas* that are in the *Greenbelt Area*. (subsection 2b iii). 3. In the Growth Plan for the Greater Golden Horseshoe (2017), section 3.2 Policies for Infrastructure to Support Growth, 3.2.1, subsection 2 explains that planning for new or expanded infrastructure must include: c) identifying the full life cycle costs of infrastructure and developing options to pay for these costs over the long-term, and d) considering the impacts of a changing climate. The impacts of a changing climate are very important. What we do or don't do regarding our choice of servicing will also impact on the climate. Will the land be drier than before because the temperatures are rising? With our choice of servicing, will too much water be removed from the area and thus exacerbate the dryness expected because of climate change? How can we keep water in the area? Should we consider something radical, returning cleaned water to each household? One pipe to take the sewage away, one pipe to bring cleansed water back? 4. In the Growth Plan for the Greater Golden Horseshoe (2017), section 3.2.6 Water and Wastewater Systems, subsection 3,

Form Type	Comment/Issue
	"For *settlement areas* that are serviced by rivers, inland lakes, or groundwater, municipalities will not be permitted to extend water or wastewater services from a Great Lakes source unless: a) The extension is required for reasons of public health and safety, in which case, the capacity of the water or wastewater services provided in these circumstances will be limited to that required to service the affected *settlement area*, including capacity for planned development within the approved *settlement area* boundary." Since Nobleton has been assured by York Region that its water is potable, this EA must only look at local solutions for water and wastewater and cannot involve Lake Ontario water or the YDSS to Lake Ontario. 5. In the Growth Plan for the Greater Golden Horseshoe (2017), section 4.2.10, Climate Change, has a number of subsections that are important to consider, particularly subsections c, e, f, and h. 6. In the Greenbelt Plan (2017), section 4.2 Infrastructure also refers to Climate Change in the last paragraph. York Region needs to increase the "resiliency of infrastructure" …" to reduce the risk of harm to life and property and decrease the need for costly repairs or replacement resulting from extreme weather events. Identifying *infrastructure* risks and vulnerabilities and undertaking climate change adaptation strategies can help mitigate the impacts of climate change." 7. Not all of the current homes in Nobleton have been connected to the sanitary sewer treatment plant. However, the Township of King Council promised that they would be connected eventually. Allocation must be reserved for these homes, before any other developments may occur. 8. I am attaching a report by Emil Frind, PhD, P. Eng., Frind and Associates, Waterloo in 2007 for the Environment Assessment for Nobleton's Water Supply. This report was commissioned by Nobleton Alert Residents Association Inc. Many of his comments are still relevant and I would ask the consultants to consider the points raised in his report. 9. The Township of King has hired consultants to figure out how stormwater is getting into the sanitary sewer pipes, as too much water is coming to the sewage treatment plant during storm events. These consultants have been inspecting the manholes for the sanitary sewer in Nobleton for a long time. It seems that this is not easy for them to solve, as I have been hearing of this problem for a long time. How can we even consider installing more pipes until we know what the problem with the current pipes is?

Form Type	Comment/Issue
	10. The handout sheet given out at the EA Open House, Alternative Solutions Evaluation Criteria Survey, asks which criteria are most important to us. All of the criteria listed are very important to me. However, I do want to emphasize the importance of the regulatory requirements. Personal Asides A) I was taken aback when I was at the Open House on Feb. 29, 2019, when the consultant insisted that Nobleton had to grow because the Province had dictated growth to Nobleton and therefore the servicing had to accommodate whatever the Province wanted to 2041. The Province has not dictated what population that Nobleton should have. If it turns out that the restrictions on water and wastewater servicing make it impossible to meet any population targets set by York Region for King Township and thereby downloaded to Nobleton, then the population will have to be redistributed to other areas of York Region, not dumped on King City. The Growth Plan is quite clear that the Township of King is NOT expected to grow much. B) I was further taken aback when I was listening to a woman without a name tag who was talking with a resident about the distribution list of letters alerting people to the EA. She insisted that the distribution list should include people outside of the Nobleton Urban Area Boundary but who may be impacted by the sanitary sewer pipe going outside of the boundary over to the Sanitary Sewage Plant. When I asked why she did not have a name tag, she responded that she was actually a consultant for a developer. I was not expecting that the developer's consultant would be acting as if she were one of the consultants for this EA. In my opinion, she should not be involved in this EA, other than as a participant. C) My husband received a notice in the mail about this EA, but I did not. We are co-owners of our Nobleton home. Why did my husband get a letter and I did not? Is it commonplace for York Region to send out notices to only one of the owners? Please keep me posted as to the date of the next public meeting. I would suggest that the next one be an actual meeting where the consultants present some info, and that the public can ask questions and hear the questions posed by their neighbours. That way, the residents can learn the most and participate the best. Please do not allow developers' consultants to take over this EA.
Email	<u>Only Local Servicing Options are Available for Nobleton</u> My main concern is that water and wastewater servicing options for Nobleton should ONLY be considering local options. Land-use policies in the Growth Plan for the Golden Horseshoe 2017, section 3.2.6 state that Nobleton, which is within the Greenbelt and is serviced by its own local water supply, IS PROHIBITED from expanding its water servicing through any Great Lake system like the YDSS.

Form Type	Comment/Issue
	<u>No Clear Projection for Nobleton Population</u> With regard to expansion of population...there has been no determination of the projected population for Nobleton to 2041, therefore it should be impossible to decide on water-servicing without knowing the population for which any water servicing solution would be needed. Also, with regard to growth, and given that Nobleton rests within the Greenbelt area, population growth MUST be LIMITED and there should be no expansion beyond the settlement area boundary. <u>Nobleton's E.A. Premature</u> It would seem to me that this whole undertaking of an EA for water servicing for Nobleton is premature. In fact, there are areas in Nobleton that still need to be serviced which should get priority before other servicing for housing expansion is considered. <u>New Creative Systems for Climate Change</u> There should also be a new and critical consideration for the ravages from climate change on water systems, and keeping Nobleton's water within its own watershed should be of critical importance. In fact, new systems to recycle grey water and storm-water runoff should be seriously and creatively designed in this new age of trying to put the earth back into harmony in which water is such a crucial part. It is bound to result in both a financial and water conservation advantage for the future.
Email	<u>Is the EA Premature?</u> The EA seems to be premature. The Township of King has not brought its Official Plan into conformity with the Region of York 2010 Official Plan nor has the growth allocation to 2041 from the Region of York been provided to the Township. Without knowing the projected growth isn't it is impossible to determine the appropriate long-term servicing option? Specifically, the need the EA is considering a solution for isn't fully defined. <u>Conformity to Policy</u> Due to the location of Nobleton, surrounded by Greenbelt and a portion located within the Oak Ridges Moraine, conformity to the policy context is of critical important to this Environmental Assessment. The Provincial Policy Statement, Growth Plan, ORMCP and Greenbelt Plan particularly those policies within the plans directed at managing growth, optimizing existing infrastructure and mitigating climate change require conformity and consistency. <u>2017 Greenbelt and Growth Plan</u> Nobleton is a settlement area surrounded by the Greenbelt, there is no regular regional transit service or local transit. The town is serviced by groundwater and a local communal sewer system. According to the Growth Plan, Policy 2.2.1. b) iii "growth will be limited in settlement areas that are in the Greenbelt Area". When considering servicing options it is important to recognize limited future growth will be occurring in Nobleton. The intent of the Growth Plan is to

Form Type	Comment/Issue
	minimize extension of expensive infrastructure to use resources like land, water and infrastructure wisely. <u>York Region Official Plan</u> The Region of York has not yet completed the Municipal Comprehensive Review (MCR) to determine population allocations for King Township to 2041.Until the MCR is completed we contend it is impossible to understand the best long-term solution and calculate the cost implications of the options. Considering the current policy context and the need for long term planning the Environmental Assessment seems premature. As the 2041 Region Plan is not in force and effect we turn to the 2010 Regional Official Plan. Section 5.6.21 states that within the Greenbelt Plan Area, the following policies apply to Towns and Villages: a) that where Towns or Villages do not currently have Lake Ontario or Lake Simcoe based water and wastewater services, extensions to or expansions of existing lake-based services is prohibited, unless the servicing is required to address failed individual on-site sewage or water services or to ensure protection of public health as determined by the Medical Officer of Health. The capacity of water and wastewater services in this case will be limited to the servicing requirements for the existing settlement plus capacity for potential development within the approved settlement boundary as it existed on the date the Greenbelt plan came into effect. It seems extending the YDSS or a lake based system to Nobleton would not conform to policy and should not be pursued as an option. <u>King Township Official Plan</u> The Township Official Plan is in process. A second draft of the OP will be introduced on March 18th, 2019 with a public open house to follow. The Township of King Official Plan is required to conform to the Region of York Official Plan as stated above. <u>Costs</u> Will the development charges from the expected growth pay for the growth-related capital costs? As the King Township Official Plan is not yet been finalized and approved does the EA have the information needed to determine costs for the water and wastewater scenarios? When costs are calculated, will the full life cycle cost of the infrastructure options be considered? <u>Development Charges</u> Nobleton currently has the lowest York Region portion of development charges of the three towns in King Township at $39.000, compared to over 48,000 for King City on the Big Pipe, the main difference seems to be the difference in the water and wastewater charges. As the EA study moves forward will the Region track how the different scenarios impact development charges? <u>Additional Questions:</u>

Form Type	Comment/Issue
	1. Without a finalized policy, the King Township Official Plan that guides future development for the Township how can the scope of the need, the opportunity or the problem identified in the EA be accurately determined? 2. Policy 3.2.6.3. of the Growth Plan and policy 5.6.21 of the Region of York Official Plan states municipalities will not be permitted to extend water or wastewater services from a Great Lakes source is prohibited unless a) the extension is required for reasons of public health and safety. a) Has a public health or public safety reason been identified? b) If not, the YDSS does not conform as an option for servicing. 3. The 2014 PPS and Provincial Policy regime require consistency and conformity. Kindly provide a detailed policy by policy assessment of the alternatives. 4. Policy 3.2.1 c) of the Growth Plan requires that the Region identifies the full life cycle costs of the infrastructure and develops options to pay for these costs over the long term and consider the impacts of climate change. a) Have the life cycle costs of the infrastructure have been identified? b) Will all the growth-related capital costs be paid for by growth. How much do the development charges need to be increased to pay for this new infrastructure, and other growth related costs, transit, etc.? c) How much to you anticipate operating costs of wastewater and water charges will increase for existing residents over the long term? d) The Stormwater EA completed by the Township of King, specifically the Drainage study for Nobleton component does not appear to consider climate change as it is proposing infrastructure for a 25 year storm, not a 500 year storm. How will the EA study consider the full impacts of climate change, including flooding, drought? 5. Have alternatives to providing new water and wastewater been considered? 6. What water conservation measures have been considered? 7. A portion of the Nobleton Settlement area is located in the Oak Ridges Moraine Conservation Area, how will the EA ensure conformity with the applicable policies in the Oak Ridges Moraine Conservation Plan? 8. Has the Region and Township considered the installation of residential commercial meters for wastewater to discourage the ongoing practice of discharging sump water into the sewers?

Form Type	Comment/Issue
	9. Do we know the contribution of stormwater and groundwater to the existing water pollution treatment facility?

F. Responses to Comments

The project team will consider all feedback received to develop the alternative solutions evaluation criteria. The feedback from participants will also assist with improving the next open house. It is anticipated that the next open house will take place in Fall 2019.

Appendix A:
PCC Briefing

Municipal Class Environmental Assessment Study:
Water and Wastewater Servicing in the Nobleton Community
Public Consultation Centre (PCC) #1, February 28, 2019
High Level Summary

The first Public Consultation Centre (PCC) for the Water and Wastewater Servicing Municipal Class Environmental Assessment (EA) for the Nobleton Community was held on Thursday, February 28, 2019 at the Dr. William Laceby Community Centre in the community of Nobleton in King Township. The event was an open house that ran from 4 p.m. to 8 p.m.

The purpose of the PCC was to: provide an overview of the EA Study; outline the steps in the EA process; present the alternative solutions evaluation criteria; and to gather feedback from the public on the alternative solutions evaluation criteria and the project more broadly.

The PCC provided attendees an opportunity to engage with members of the project team about key aspects of the EA Study through various means, including:

- An open house feedback form (also on-line);
- An alterative solutions evaluation criteria survey form (also on-line);
- Panel boards; and
- Members of the project team (each of whom specialized in a topic area) were available to answer questions.

A digital copy of the alternative solutions evaluation criteria survey and the panel boards were made available online at the Region's website. iPads were also available on-site to provide participants with an option to fill out the survey digitally.

The PCC was attended by approximately 90 participants. Of the 90 participants, 77 signed in. Municipal staff and representatives and interested members of the public attended the PCC.

No identified members of the media were present.

Many PCC attendees expressed concerns over the existing water quality in Nobleton. They noted that the water they receive contains a lot of chlorine, iron, magnesium, and calcium. Attendees also noted that appropriate intensification and growth should be considered in the Nobleton community. Some attendees elaborated that the EA study should give consideration to the Greenbelt Plan and Oak Ridges Moraine Conservation Plan, as Nobleton is home to valuable agricultural land and natural heritage systems. Attendees expressed concern over the existing cost of water and wastewater services in Nobleton. Concerns were also raised over the potential future costs of water and wastewater services. Attendees expressed interest in the options for water sourcing to be investigated during this study. Where specified, some identified a preference for a Lake Based Water supply. Many attendees also discussed concerns over stormwater management in Nobleton.

Appendix B:
Notice of Open House

NOTICE OF OPEN HOUSE

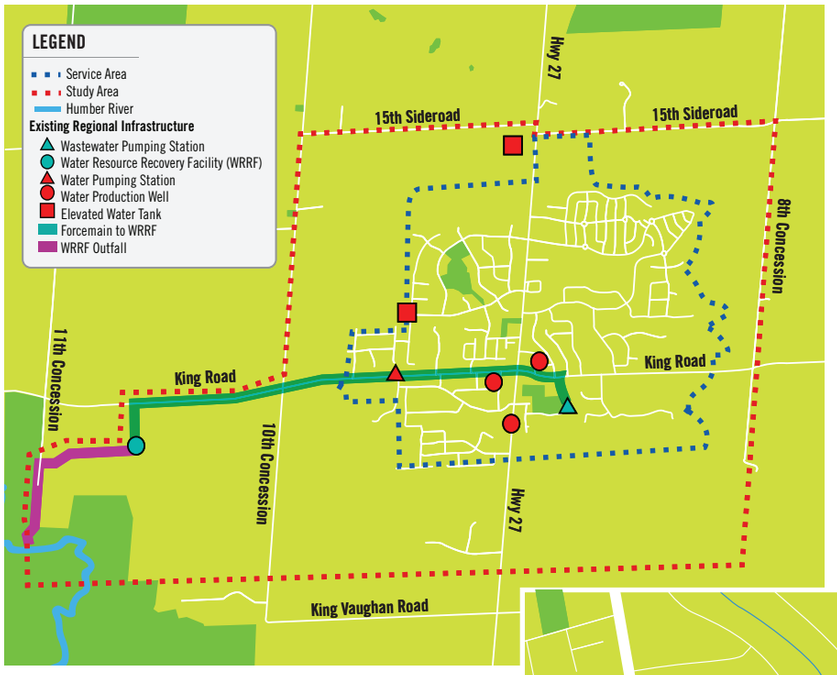
Municipal Class Environmental Assessment Study
Water and Wastewater Servicing in the Nobleton Community

LEARN MORE! HAVE YOUR SAY.

Township of King

February 14, 2019

The Regional Municipality of York has initiated a Schedule C Municipal Class Environmental Assessment (Class EA) study to identify long-term water and wastewater capacity servicing options for the Nobleton community that support growth and optimize the use of existing Regional infrastructure.



WE WANT TO HEAR FROM YOU!

You are invited to attend an Open House to review the project information and provide the project team with your comments and feedback on the study. The project team will be available to answer your questions and gather your input.

Date: Thursday, February 28, 2019

Time: 4 p.m. to 8 p.m.

Location: Dr. William Laceby Nobleton Community Centre and Arena
15 Old King Road, Nobleton ON L0G 1N0

Please let us know if you require accommodations to participate in this meeting.

Beginning March 1, 2019, the information from the Open House will be available to review on **york.ca/ea.**

THANK YOU FOR YOUR PARTICIPATION IN THIS STUDY.

An accessible version of this notice is available upon request. This notice was issued on February 14, 2019.

To submit questions, comments or to be added to the mailing list, please contact:

Afshin Naseri, P. Eng.
Senior Project Manager
Environmental Services
The Regional Municipality of York
17250 Yonge Street
Newmarket, Ontario L3Y 6Z1
afshin.naseri@york.ca
1-877-464-9675 ext. 75062
Fax 905-830-6927

York Region

PUBLIC NOTICES

APP CENTRE
CAMPAIGNS & PROJECTS
EVENTS
MEDIA INQUIRIES
MEDIA RELEASES
NEWS
E-NEWS
PUBLIC NOTICES

Public Notice
February 14, 2019

Notice of Open House - Water and Wastewater Servicing in Nobleton

Municipal Class Environmental Assessment Study in the Township of King

York Region has initiated a Schedule C Municipal Class Environmental Assessment (Class EA) study to identify long-term water and wastewater capacity servicing options for the Nobleton community that support growth and optimize the use of existing Regional infrastructure.

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Beginning February 28, 2019, the information from the Open House will be available to review on york.ca/ea.

News & Social Media
NEWSROOM
Connect With Us!
Facebook Twitter YouTube
LinkedIn Flickr Instagram
Pinterest e-News Mobile App

Thank you for your participation in this study.

Please let us know if you require accommodations to participate in this meeting. An accessible version of this notice is available upon request.

Share your thoughts — we're listening. Contact us to submit questions and comments. You are also invited to register for the mailing list to recieve project updates.

Afshin Naseri, P. Eng., Senior Project Manager
Environmental Services
The Regional Municipality of York
17250 Yonge Street
Newmarket, Ontario L3Y 6Z1
afshin.naseri@york.ca

1-877-464-9675 ext. 75062
Fax 905-830-6927

Personal information submitted (e.g., name, address and phone number) is collected, maintained and disclosed under the authority of the Environmental Assessment Act and the Municipal Freedom of Information and Protection of Privacy Act for transparency and consultation purposes. Personal information you submit will become part of a public record that is available to the general public, unless you request that your personal information remain confidential.

NOTICE OF OPEN HOUSE

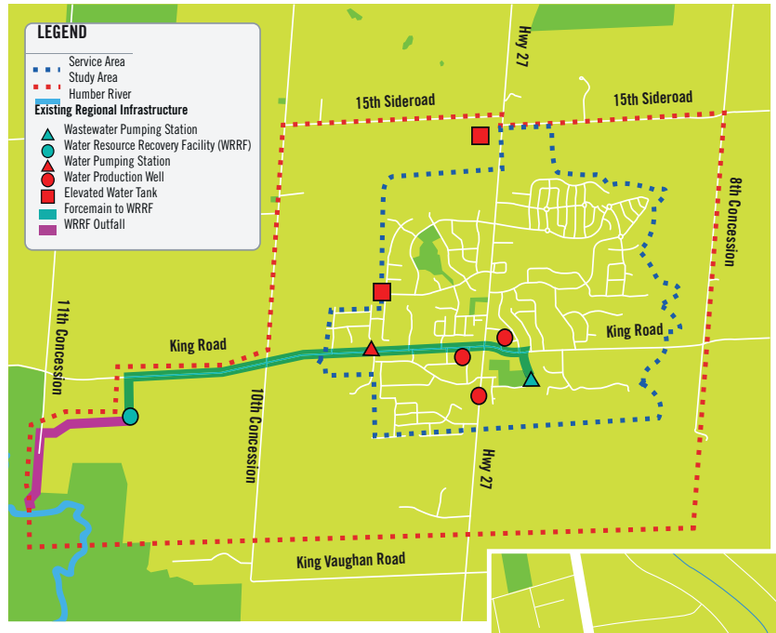
Municipal Class Environmental Assessment Study
Water and Wastewater Servicing in the Nobleton Community

LEARN MORE! HAVE YOUR SAY.

Township of King

February 14, 2019

The Regional Municipality of York has initiated a Schedule C Municipal Class Environmental Assessment (Class EA) study to identify long-term water and wastewater capacity servicing options for the Nobleton community that support growth and optimize the use of existing Regional infrastructure.



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Location: Dr. William Laceby Nobleton
Community Centre and Arena
15 Old King Road, Nobleton ON L0G 1N0

Please let us know if you require accommodations to participate in this meeting.

Beginning March 1, 2019, the information from the Open House will be available to review on **york.ca/ea.**

THANK YOU FOR YOUR PARTICIPATION IN THIS STUDY.

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To submit questions, comments or to be added to the mailing list, please contact:

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York Region

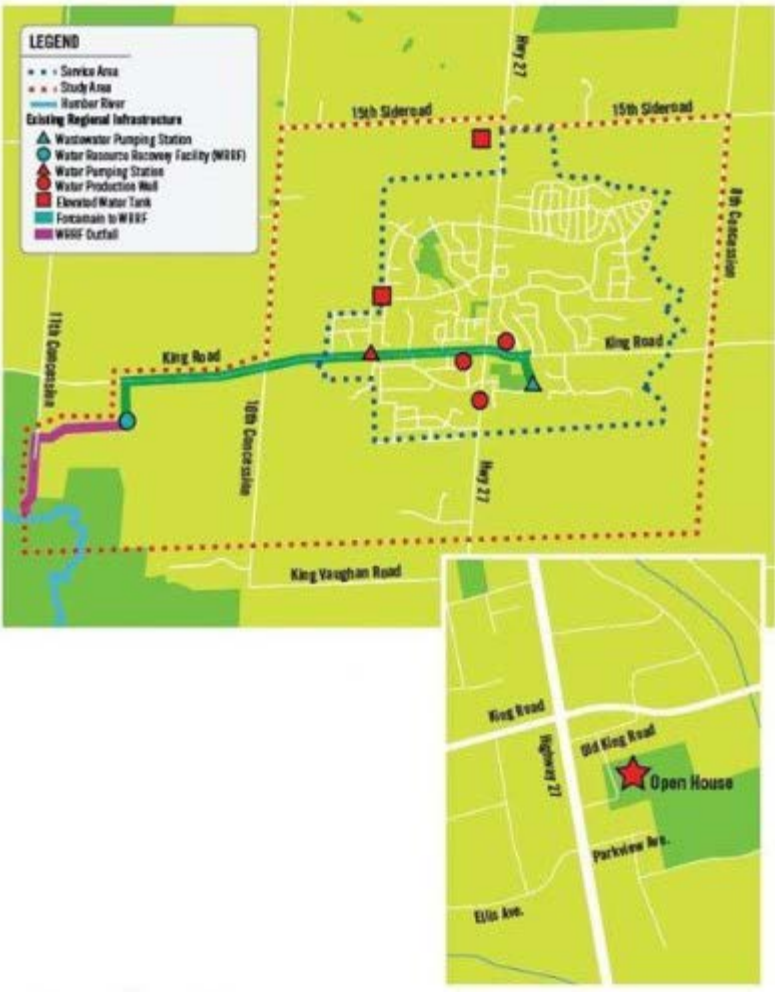
York Region (The Regional Municipality of York)
February 25 ·

Do you know about the Open House for the Environmental Assessment Study of water and wastewater servicing in the Nobleton Community?

We want to hear from you!

Join us at the Open House to review the study information and provide the project team with your feedback.

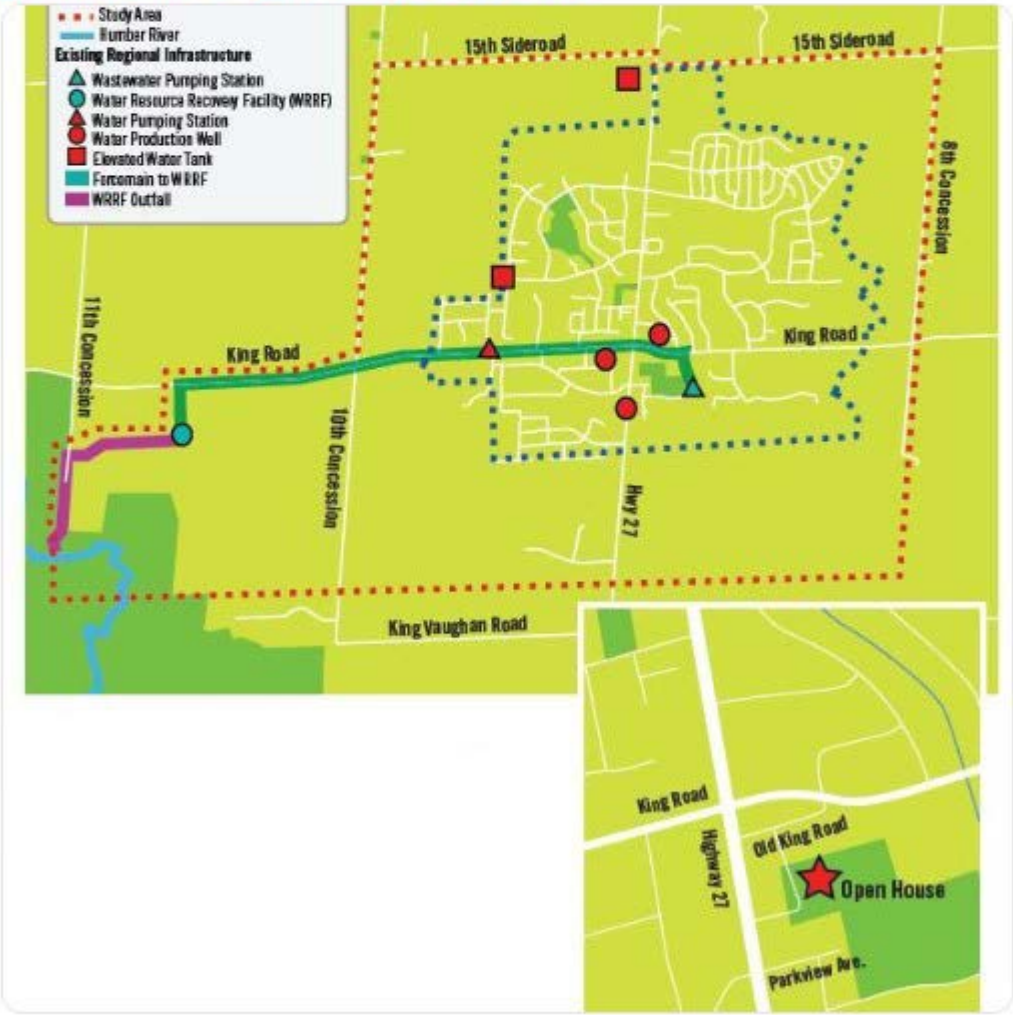
Date: Thursday, February 28, 2019
Time: Between 4 p.m. and 8 p.m.
Location: Dr. William Laceby Nobleton Community Centre and Arena
15 Old King Road, Nobleton ON L0G 1N0



York Region
@YorkRegionGovt

Follow

Did you hear? The Open House for the Nobleton community, water & wastewater Environmental Assessment study is on February 28 from 4pm to 8pm? Hope you can join us at the Dr. William Laceby Nobleton Community Centre. For details visit york.ca/ea. @KingTownship



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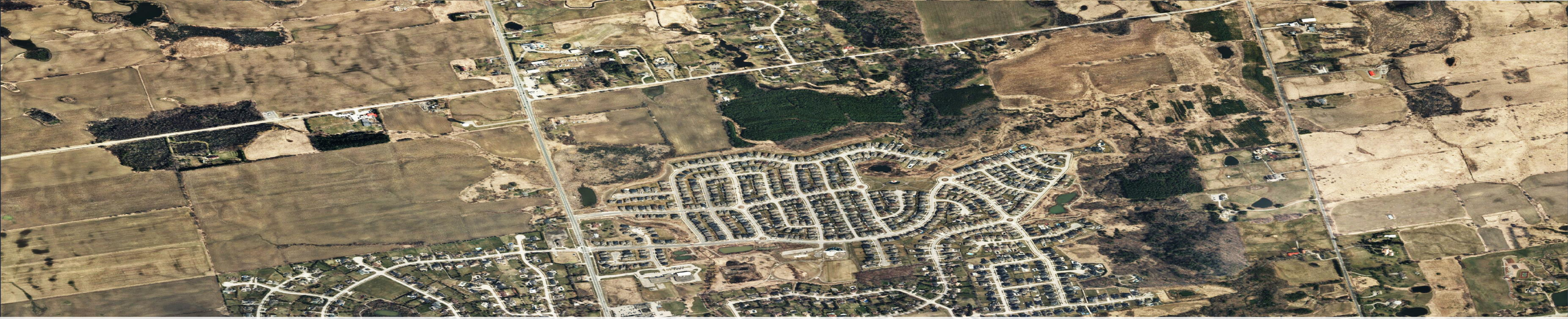
Appendix D:
Display Panels



Water and Wastewater Servicing in the Nobleton Community

Municipal Class Environmental Assessment Study

Open House

Thursday, February 28, 2019 – 4 p.m.

Dr. William Laceby Nobleton Community Centre

York Region

Water and Wastewater Servicing in the Nobleton Community - Municipal Class Environmental Assessment Study

Purpose

The purpose of this Open House is to gather input on the long-term water and wastewater servicing for the Nobleton community. Municipal water servicing includes the supply, storage, treatment and distribution of drinking water. Municipal wastewater servicing includes the collection, transportation and treatment of wastewater.

Existing Wastewater Infrastructure - Nobleton Water Resource Recovery Facility Secondary Clarifier

We want to hear from you!

Please provide your input using the Open House Feedback Form provided. Tell us your priorities, what we should address, and what really matters to your daily life in your community.

York Region

Water and Wastewater Servicing in the Nobleton Community - Municipal Class Environmental Assessment Study

Study Background

The 2016 York Region *Water and Wastewater Master Plan* identified the need for additional water and wastewater capacity to service approved future growth to 2041 in the Nobleton community.

York Region has initiated a Schedule C Municipal Class Environmental Assessment (Class EA) to identify long-term water and wastewater servicing solutions for the Nobleton community in order to support growth and optimize the use of existing Regional infrastructure.

Study Area and Service Area

Water and Wastewater Servicing in the Nobleton Community - Municipal Class Environmental Assessment Study

Study Process

Technical Studies

Schedule C Municipal Class Environmental Assessment

Phase 1 – Problem or Opportunity

- Identify the Problem or Opportunity
- **Conduct Public Consultation**

We are here

Phase 2 – Alternative Solutions

- Identify and Evaluate Alternative Solutions to Problem
- **Conduct Public Consultation**
- Select Preferred Solution

Phase 3 – Alternative Designs

- Identify and Evaluate Alternative Designs for the Preferred Solution
- **Conduct Public Consultation**
- Select Preferred Design

Phase 4 – Environmental Study Report

- Complete Environmental Study Report
- 30 Day Review Period for Public and Review Agencies

Phase 5 – Implementation

Problem Statement

"Develop long-term water and wastewater servicing solutions to support current and future residents in the Nobleton community"

Water and Wastewater Servicing in the Nobleton Community - Municipal Class Environmental Assessment Study

Proposed Project Timeline

Stay informed throughout the study process by visiting **york.ca/ea.**

November 15, 2018
Notice of Commencement

February 2019
Open House 1

We are here

Fall 2019
Open House 2

Spring 2020
Open House 3

Summer/Fall 2020
Environmental Study Report & Notice of Study Completion

Fall 2020
Preliminary Design

2021
Detailed Design (If applicable)

Post 2021
Construction (If applicable)

York Region

Water and Wastewater Servicing in the Nobleton Community - Municipal Class Environmental Assessment Study

Alternative Solutions Evaluation Criteria

When evaluating possible water and wastewater servicing solutions, a broad range of criteria will be considered. What is important to you? Let us know by filling out the alternative solutions evaluation criteria survey indicating which criteria below you feel is the most important, or by telling us in your comment form!

Problem Statement

"Develop long-term water and wastewater servicing solutions to support current and future residents in the Nobleton community"

Natural Environment

- Proximity to environmentally sensitive areas
- Impacts to streams/rivers
- Impacts to species at risk
- Impacts to trees and vegetation
- Impacts to underground water/aquifers

Social & Cultural

- Noise and odour
- Construction
- Visual
- Traffic
- Cultural heritage significance
- Archaeological significance
- Land requirements

Jurisdictional / Regulatory

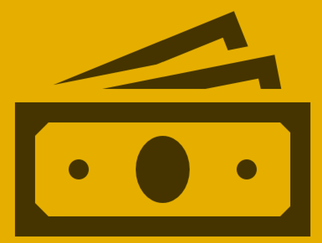
- Compliance with regulatory requirements
- Water / wastewater infrastructure land requirements
- Permits and approvals

Technical

- Constructability
- Impact to existing utilities

Economic

- Capital (construction) cost
- Life cycle (operation and maintenance) cost
- Land acquisition cost



Water and Wastewater Servicing in the Nobleton Community - Municipal Class Environmental Assessment Study

What's Next? We want to connect with you!

Stay informed and sign up for project updates by visiting our project webpage **york.ca/ea.**

Share your thoughts – we're listening. Feel free to contact us with questions or comments.

Contact:
Afshin Naseri, P. Eng.
Senior Project Manager
Environmental Services
The Regional Municipality of York
17250 Yonge Street
Newmarket, Ontario L3Y 6Z1
afshin.naseri@york.ca
1-877-464-9675 ext. 75062
Fax 905-830-6927

Nobleton North Elevated Tank

Appendix E:
Forms

ALTERNATIVE SOLUTIONS EVALUATION CRITERIA SURVEY

LEARN MORE!
HAVE YOUR SAY.

Municipal Class Environmental Assessment Study
Water and Wastewater Servicing in the Nobleton Community

Township of King

When evaluating possible water and wastewater servicing solutions, a broad range of criteria will be considered. Which criteria are most important to you? Let us know by checking the boxes below.

Natural Environment
- □ Proximity to environmentally sensitive areas
- □ Impacts to streams/rivers
- □ Impacts to species at risk
- □ Impacts to trees and vegetation
- □ Impacts to underground water / aquifers

Social & Cultural
- □ Noise and odour
- □ Construction
- □ Visual
- □ Traffic
- □ Cultural heritage significance
- □ Archaeological significance
- □ Land requirements

Jurisdictional / Regulatory
- □ Compliance with regulatory requirements
- □ Water / wastewater infrastructure land requirements
- □ Permits and approvals

Technical
- □ Constructability
- □ Impact to existing utilities

Economic
- □ Capital (construction) cost
- □ Life cycle (operation and maintenance) cost
- □ Land acquisition cost

Is there something we have missed? Let us know in the section below.

_____

_____

_____

_____

To submit this form, please leave it in the box provided, or email/mail it by March 21, 2019 to:

Afshin Naseri, P.Eng
Senior Project Manager
Environmental Services
The Regional Municipality of York
17250 Yonge Street
Newmarket, Ontario L3Y 6Z1
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York Region

OPEN HOUSE FEEDBACK FORM

Municipal Class Environmental Assessment Study
Water and Wastewater Servicing in the Nobleton Community
February 28, 2019

LEARN MORE!
HAVE YOUR SAY.

Township of King

Personal Information Completion of this section is optional

Name: _____

Address: _____

_____

_____

Organization: _____

Email: _____

Telephone: _____

1. Do you have any comments or feedback about the proposed project?

_____

_____

_____

_____

_____

_____

_____

2. Did the Open House help you understand the proposed project?

□ Yes □ No

Personal information submitted (e.g., name, address and phone number) is collected, maintained and disclosed under the authority of the *Environmental Assessment Act* and the *Municipal Freedom of Information and Protection of Privacy Act* for transparency and consultation purposes. Personal information you submit will become part of a public record that is available to the general public, unless you request that your personal information remain confidential.

York Region

3. Were your questions answered to your satisfaction?

   □ Yes □ No

4. Were the display materials helpful?

   □ Yes □ No

5. Were the time and location of the Open House convenient for you?

   □ Yes □ No

6. Did you have any comments or suggestions about the Open House to help us next time?

   _____

   _____

   _____

   _____

   _____

   _____

7. Would you like to receive additional information on this study?

   □ Yes □ No

   If yes, please ensure that you have completed the personal information section of this form.

To submit this form, please leave it in the box provided, or email/mail it by March 21, 2019 to:

Afshin Naseri, P.Eng
Senior Project Manager
Environmental Services
The Regional Municipality of York
17250 Yonge Street
Newmarket, Ontario L3Y 6Z1
afshin.naseri@york.ca
1-877-464-9657 ext. 75062
Fax 905-830-6927

York Region

Municipal Class Environmental Assessment Study: Water and Wastewater Servicing in the Nobleton Community

Public Consultation Centre 2 Summary Report

November 25, 2020
Microsoft Teams Live Event

Prepared for: The Regional Municipality of York

Prepared by: LURA Consulting

Table of Contents

A. Introduction

I. PCC Background

The second Public Consultation Centre (PCC) for the Water and Wastewater Servicing Municipal Class Environmental Assessment (EA) for the Nobleton Community was held online on Wednesday, November 25, 2020. The open house event was hosted virtually by York Region via Microsoft Teams Live Events. Participants were provided with the option to join through the internet or phone.

The purpose of the PCC was to present the water/wastewater servicing alternatives that were considered, share the evaluation of these alternatives, present the recommended solutions, and obtain public input on the alternatives and proposed solutions. The PCC provided participants with an opportunity to learn more about the project and engage with members of the project team through various means, including:

- Viewing one of three sessions hosted throughout the day at 10 AM, 2 PM, and 7 PM, which included:
    - Watching a recorded presentation on the evaluation of servicing alternatives and recommended servicing solutions (identical in each session)
    - Participating in a facilitated question and answer period (informed by public questions)
- Completing an online survey
- Viewing presentation boards and supporting materials posted online
- Providing feedback directly to York Region's Project Manager

The PCC was attended by approximately 60 participants across all three sessions.

II. PCC Briefing

A briefing document was prepared following the PCC. This document provides a high-level summary of the open house. It describes:

- The purpose of the event
- The engagement opportunities available to participants at the event
- A summary of comments and questions received during the open house.

A copy of the PCC briefing document is provided in **Appendix A.**

B. Notices & Distribution

I. Notices

A Notice of Open House was first distributed to residents and stakeholders on November 12, 2020, through email, mail, and on the York Region website. The Notice was also published on the Region's social media accounts on the following dates:

- York Region's Twitter page on November 12, 19 and 24, 2020
- York Region's Facebook page on November 12, 2020 as a boosted, geotargeted post for two weeks.

The Notice was also published in the local newspaper, *King Connection*¸ on November 12 and 19, 2020.

A copy of the Notice is attached in **Appendix B**.

II. Distribution List

Notices were sent via mail or email to: various municipal and provincial governments and agencies; utilities; community associations; private companies; and First Nation groups. Notices were also sent to properties located within the study area (Figure 1). Residents who requested to be added to the mailing list were also sent the Notice.

Figure 1: A map illustrating the study area, service area, and existing Regional infrastructure.

C. Participants

A total of **36 participants** joined the PCC across the three sessions, either virtually or by phone.

D. PCC Summary

PCC 2 was hosted virtually by York Region via a Microsoft Teams Live Event. The PCC was held as a series of three 1-hour long town hall-style events throughout the day at 10 AM, 2 PM, and 7 PM. The PCC was attended by approximately 60 participants across all three sessions. Of the 60 participants, most joined virtually via Microsoft Teams Live, and nine joined via telephone. The PCC was attended by municipal staff, consultants, and interested members of the public. Identical video presentations were shared at each session. All digital materials were made available online on York Region's website, at www.yorkregion.ca/nobletonea. Each PCC session featured a 17-minute video presentation that provided:

- context on the purpose and steps involved for the EA study
- an overview of the water/wastewater servicing alternatives that were considered as part of the study and the evaluation of these alternatives, as well as the recommended solutions
- opportunities for residents and stakeholders to stay informed about the project

A copy of the presentation slides is provided in **Appendix D**.

Following the presentation, participants were invited to ask questions of the project team. Questions asked by PCC participants focused on planning policy, water servicing options, water quality, wastewater servicing, conservation, project costs, development, and further engagement opportunities for the project. Questions surrounding planning policy focused on the Greenbelt Plan and its guidance related to connecting to a lake-based supply for water servicing, and the Oak Ridges Moraine Conservation Plan regarding water regeneration. Questions about water servicing focused on new well locations and potential limitations of the aquifer. Multiple participants raised water quality questions about iron levels of well-based water supply. One participant asked whether recent changes to land uses were included in the project's calculations. Another asked if York Region would be implementing an education campaign to help share the benefits of conservation with the public. A few questions were asked about the overall cost of the EA and construction of the project. One participant asked why new development is frozen until the new water supply is provided. Finally, one participant asked when PCC 3 will be held in 2021. Questions asked and responses from the project team are transcribed below in Section I.

Participants were also invited to complete an online survey, providing feedback to the project team on both the material presented and the format of the online open house. Six individuals filled out the online survey, which remained open from November 25 to December 11, 2020. Their responses are documented in Sections II and III.

A copy of the survey questions asked is provided in **Appendix E**.

I. Question and Answer Period

A summary of questions asked throughout all three PCC events are summarized below according to themes. Participants had questions on the study overview, water quality, the alternative solutions evaluated, the environment, planning and growth, and participation in the study. Questions are denoted with a "Q", answers are denoted with an "A", and comments are denoted with a "C".

Study overview

Q: Will any of these initiatives increase the already exorbitant water rates we currently pay in Nobleton?

- A: Water and wastewater billing grades are managed by the Township of King. If you have further questions about your water or wastewater bills, please visit the Township of King website at www.king.ca or alternatively you can contact Service King. The number is 905-833-5321 or you can email serviceking@king.ca. Having said all of that, we are hoping that the result of this study would provide the servicing required to meet the growth in your community, which subsequently would affect the rates in your favour.

Q: Is there a preliminary (high-level) cost estimate for the recommended solutions?

- A: Growth-related infrastructure will be assigned and paid for by new development. The final capital cost breakdown (i.e., growth component vs. non-growth component) will be determined at a later stage of the project once the Recommended Solution has been selected. For more information on York Region's budget and how finances are used to deliver services, please visit www.York.ca/budget.

Q: Why is additional servicing capacity needed in Nobleton?

- A: The current water and wastewater systems have a limited capacity; additional water and wastewater infrastructure would be required to accommodate expected future growth.

Water quality

Q: It would be a shame to spend tax money on a new well that will provide the same poor quality of water with high iron levels. If we are going to get the same quality, why not just increase the capacity of our current wells (i.e., bigger pumps; bigger casing; etc.)?

- A: In terms of expanding the capacity of the existing wells, it is part of the solution we are proposing. That is increasing the capacity of Well #2.
- With regard to poor water quality, water quality issues such as iron, odour and taste have been raised and discussed as part of this study and considered in the recommended solution. York Region and the Township of King regularly sample the drinking water, as required by the Safe Drinking Water Act, to ensure it meets high standards for quality. The water supply complies with the Ontario Drinking Water Quality Standards. York Region is in the process of completing a Region-wide groundwater treatment study. The outcome of this study will include treatment recommendations for the Nobleton water system. To learn more about drinking water quality and monitoring visit www.york.ca/drinkingwater.

Q: Nobleton residents are very upset about the amount of iron in our water. Why is this not considered in the social and cultural evaluation category?

- A: Water quality issues such as iron, odour and taste have been raised and discussed as part of this study and considered in the recommended solution. York Region and the Township of King regularly sample the drinking water, as required by the Safe Drinking Water Act, to ensure it meets high standards for quality. The water supply complies with the Ontario Drinking Water Quality Standards. York Region is in the process of completing a Region-wide groundwater treatment study. The outcome of this study will include treatment recommendations for the Nobleton water system. To learn more about drinking water quality and monitoring visit www.york.ca/drinkingwater.
- C: Elevated concentrations of iron in exceedance of the aesthetic objectives have been reported in wells 2 and 3 and elevated iron concentration is common in deep aquifers in York Region. Any new well drilled within the same existing aquifer will also contain elevated iron levels.

Q: Will the addition of a new well help address some of the pressure concerns residents are experiencing?

- A: There are a few causes for water pressure concerns, some of which are under the jurisdiction York Region, others are under the jurisdiction of the Township of King. Any quality or pressure concerns should be directed to the Township of King. The Environmental Assessment team is working closely with the Township to resolve these issues where we can, as part of the overall water supply and generation of water from the wells into the storage system. However, concerns specifically related to water pressure are the responsibility of the Township of King.

Q: In the statement ""if the well supply cannot meet the necessary quality and quantity requirements", does the word "quality" include the aesthetic objective for iron?

- A: Yes, it does. Water quality issues such as iron odor and taste have all been raised and discussed as part of this study and considered in the recommended solution. We heard quite a few comments during the first Public Consultation Centre about this.

Alternative Solutions

Q: Is lake-based service cheaper or healthier? Why not increase the water supply from all of the current wells?

- A: Economic impacts were a part of the evaluation of all the alternatives presented. Based on overall capital cost, life cycle costs and operations and maintenance costs, connecting to the lake-based supply was the most expensive of the three options. Increasing the capacity of the existing well, in combination with a new production well, resulted in the lowest overall impact after evaluating the natural environment, social, cultural, jurisdictional, regulatory, technical and economic criteria.
- Since increasing groundwater supply can meet the anticipated growth, connecting to the lake-based water supply is not permitted. According to the province's long-term plan, A Place to Grow: Growth Plan for the Greater Golden Horseshoe (2019), extending supply from a Great Lake's source is generally only permitted if the local groundwater supply is unable to meet the quantity and or quality requirements.

Q: In your list of Alternative solutions, a conditional pass was given to allow for the addition of a lake-based supply, "if the well supply cannot meet the necessary quality and quantity requirements". Can you expand on this? Was the conditional pass given for quality or quantity or both?

- A: It relates back to evaluating the alternative. We did look at surface water lake-based supply, and it was evaluated and considered for both quality and quantity considerations against the well system. We gave it a conditional pass to carry forward further in the evaluation but was only to be considered if we discovered that a well-based supply would not provide sufficient quality and quantity. As we have concluded from our study, a new well will provide that. Therefore, the regulations do not permit a connection to the lake-based system.

Q: Are wells F and H within the same aquifer as the existing wells 2, 3 and 5?

- A: An aquifer is defined as layers of soil permeable enough to permit a useful amount of water to be extracted from it. There are a number of aquifers including the Scarborough and Thorncliffe aquifers underlying the study area. These aquifers were considered when we were doing the study on well sites. The Scarborough aquifer encompasses well sites 2, 3, and 5. As the recommended site is well site 5 the water will come from the Scarborough Aquifer.

Q: King City and Bolton are both on City water. Why is Nobleton not tapping into a lake-based water supply?

- A: The evaluation criteria shows that increasing the capacity of the existing well in combination with a new production well has the lowest overall impact. Since increasing groundwater supply can meet the anticipated growth, connection to the lake-based supply is not permitted.
- King City had all the necessary approvals for lake-based supply before the most recent update of the province's long-term plan, A Place to Grow: Growth Plan for the Greater Golden Horseshoe (2019). This update further restricted the extension of water and wastewater services unless deemed necessary.

Environment

Q: I understand groundwater has more minerals than lake-based water, which has more contaminants. Will York Region be conducting an education program to help people understand the benefits of groundwater and the value of conservation?

- A: Through the presentation it was noted that water conservation is part of the recommended solution moving forward. Although water conservation on its own cannot provide all the water required it is an important part for the Nobleton community moving forward. For more information on water quality, visit York Region's website.

Q: It appears that the possible new well location(s) are within the same aquifer as the existing well 2. If it is not possible to increase capacity based on the current wells due to aquifer limitations, then how can adding a new well still within the same aquifer increase the quantity/capacity?

- A: When we are talking about the capacity of the system, we are talking about the capacity of the existing wells, not necessarily the capacity of the aquifer. The aquifer does have a finite capacity and a limitation on what can be drawn from it. The limitation that we refer to are related to the limitations on the capacity of the well's ability to draw the water out of the ground. Even though the new well will be in the same aquifer, there are detailed studies and testing to show that by adding additional wells will not adversely impacting the ability of the existing well to draw water.

Q: Many people still put their sump pumps into sewer lines instead of the into the ditches. Will meters be installed to reduce this practice?

- A: It is not unusual for communities that have sump pumps that are supposed to be discharging to the surface still connected to the sanitary sewer system. York Region and the Township of King would encourage that sump pumps be directed to the surface and not to the sewage system, as it takes up valuable capacity. Metering would be under the jurisdiction of the Township of King. Through an environmental assessment study such as this one, metering is not typically within the detailed scope of study.

Planning and growth

Q: Can you expand on the provincial policy that prohibits the extension of lake-based service into the Greenbelt?

- A: The provincial policy and specifically the prevention of extending lake-based water servicing in the Greenbelt was put in place many years ago to help deal with urban sprawl throughout the Greater Toronto Area. One of the main principles was to allow communities that had existing lake-based supply to continue to grow and densify, and for municipalities such as Nobleton to allow growth within their boundaries without expanding over the Greenbelt. Essentially, the provincial policy is a document put forward by the government to ensure communities grow

within their community, limit sprawl, and protect sensitive environmental features such as the Oak Ridges Moraine.

Q: Given the ongoing municipal comprehensive review (MCR) process, has consideration been given to the possibility of additional expansion of services for growth beyond that presently identified in the Town's Official Plan?

- A: This study is only looking at the possibility of serving growth within the urban area boundary. We do not have the authority to add the properties outside of this boundary. To learn more about the land designation within the Township of King, please visit the Township of King's website and look at their Official Plan.

Q: If the Province amends the Growth Plan to allow conversion to lake-based system, will this option be part of the Phase 3?

- A: Increasing the capacity over the existing well in combination with the new production resulted in the lowest overall impact after evaluating the natural environment, social, cultural, jurisdictional, regulatory, technical, and economic criteria. These are all required by the Ministry for us to review. Since increasing groundwater supply can meet the anticipated growth, connecting to the lake-based water supply is not permitted under the regulation. According to the Province's long-term plan A Place to Grow: Growth Plan for the Greater Golden Horseshoe extending supply from great Lakes sources is generally only permitted if the local groundwater supply is unable to meet the quantity and quality requirements. In this study, current regulation only allows us to use the groundwater supply. If the policy changes then this EA, should time allow, will consider that as part of the growth.

Q: The Region of York recently endorsed a reconfiguration of the employment lands on the property located at 12805 Highway 27. The reconfiguration resulted in approximately 8 acres being changed to residential. Will the Region consider this land use change in the calculations for water/wastewater in Nobleton?

- A: This study is only looking at the possibility of serving growth within the urban area boundary. We do not have the authority to add the properties outside of this boundary. To learn more about the land designation within the Township of King, please visit the Township of King's website and look at their Official Plan.

Q: What is the exact wording in the Greenbelt Plan regarding water servicing? Does it not it say that lake-based water and sewer are only possible if it is an emergency? Development is not an emergency.

- A: The wording is: "settlement areas that are serviced by rivers and then lakes or groundwater municipalities will not be permitted to extend water or wastewater services from a Great Lake source unless the extensions are required for reasons of public health and safety". In essence, to expand using a lake-based system, we must be able to demonstrate the existing well system is insufficient. This is not the case, since increasing groundwater supply can meet the anticipated growth.

Q: When considering water for Nobleton since some of this land is on the Oak Ridges Moraine, is there any consideration of looking at regeneration of water, as prescribed by the Oak Ridges Moraine legislation? Or do you just think about removing water but not how to regenerate the aquifer?

- A: All applicable policies and regulations were reviewed as part of the environmental assessment through our investigation and a thorough background assessment of the pertinent data and baseline mapping of the well locations. The well locations were chosen to not impact

existing supply or cause future problems. This included the Oak Ridge Moraine Conservation Plan for mapping and the relevant policy as well as the hydrogeological mapping and reports available for the area.

Q: What's the time horizon you are planning to? Is it consistent with the Official Plan to 2031?

- A: This study looks at the possibility of servicing future growth in Nobleton up to year 2041. The existing Nobleton Community Plan can be found on King Township's website. The Township is currently undertaking a review of the Official Plan for the Township, which includes Nobleton as well.

Q: Why is all new development frozen for additional and small expansion like secondary units, or new lot developments? Why can we not use a septic system until the new water supply is provided - why there is no alternative bridging solution beside freezing all development?

- A: The Region is unable to answer that question as it is the Township of King who designates development as part of their Official Plan and the Nobleton Community Plan. This study is looking at the possibility of servicing growth within the urban area boundary, and we do not have the authority to add properties outside of the boundary. To learn more about the land designation within the Township of King please visit their website and look at their Official Plan.

Participation in the Study

Q: Is there a link to download the EA Study?

- A: Yes, there will be. At this time, we are currently in Phase Two of this Environmental Assessment study. Once this study is complete, all of the study materials will be posted online and available in hardcopy format within the Region as well for review and comments.

Q: What quarter in 2021 will the Open House 3 be in?

- A: the exact date is not finalized, but we are expecting that the third open house will be in the spring or summer of 2021. Once we know the exact date the project will be updated, and notice will be sent out to stakeholders.

II. Feedback on the Material Presented

Participants were asked to share feedback on the material presented in PCC 2 through the online survey. They were asked if they had any questions or comments on the evaluation processes for water and wastewater servicing, and if they had any comments on the preferred alternative solutions for both water and wastewater servicing. They were also asked if there were any additional issues they would like to see addressed in the next phase of the project, and if they had any additional thoughts or comments about the project. Minor edits have been made to spelling and grammar. The intent of the comments has not been altered.

Do you have any questions or comments on the evaluation process for water servicing?

- 1 participant responded "No", 1 responded "Yes", and 3 participants skipped the question.
- 1 participant shared the following feedback:
    - What population/household/business threshold are we building to/from? Doing nothing, halting growth to current capacity is the lowest cost option. Doubling/re-sizing wells are unlikely to generate a corresponding increase in the output: what will be done

if this does not generate the required water? Should not this be the first component, i.e., confirm adequate water supply before any further work is done? Output?

Do you have any comments on the preferred alternative solution for water servicing?

- 1 participant responded “No”, 1 responded “Yes”, and 2 participants skipped the question.
- 2 participants shared the following feedback:
    - The preferred alternative seems reasonable as long as the potential future addition of the second well site (F) would be easily integrated into this solution when required to service additional growth
    - I am concerned the wells are serviced by a groundwater profile area that is increasingly being urbanized impacting the well replenishment. Who is paying for this? The existing tax base structure or new development? This should not be a burden on the existing tax base.

Do you have any questions or comments on the evaluation process for wastewater servicing?

- 2 participants responded “No”, 1 responded “Yes”, and 3 participants skipped the question.
- 1 participant shared the following feedback:
    - What capacity of population/household/business are we building from/to? Doing nothing/growth to capacity is the cheapest option. Why are we pretending it can't be done?

Do you have any comments on the preferred alternative solution for wastewater servicing?

- 2 participants responded “No”, and 2 participants skipped the question.
- 2 participants shared the following feedback:
    - I’m not certain the proposed solution will accommodate future growth. It seems this solution is a temporary fix and ultimately a new facility will be required
    - Will the forcemain increase in throughput force an earlier replacement/increased maintenance of the forcemain itself (due maintenance and/or capacity), or is this included in the costing? Who is paying for this? The existing tax base structure or new development? This should not be a burden on the existing tax base. What are the additional costs for maintenance of the larger facility?

Are there additional issues you would like to see addressed in the next phase?

- 3 participants skipped the question.
- 3 participants shared the following feedback:
    - If possible - please address construction timelines and construction methods - (Direction drill vs Open cut forcemains etc...)
    - It is difficult to get past all the points in the preface stating that you are aware of all the issues the community has raised about the horrible quality, taste, and feel of our current water and the desire to tap into Lake Ontario yet it is being ignored as a real solution and yet more wells are being proposed to account for future development. There must be something more we can do. We live here and have to deal with the

decisions that are being made right now. I would like to see tapping into Lake Ontario as a serious consideration. Our water runs orange, smells and tastes of high levels of chlorine, ruins our clothing and our fixtures and is horrible for our skin and frankly tastes horrible. It would be nice to be able to drink a glass of water from my tap as I was able to when I lived in Toronto.

- Financing. Impact on the existing tax base. Capacity changes projections (Original projections, current use (i.e. are they higher lower) future projections with the delta of the original to current - i.e. how they aligned with what happened, and are we making the same errors in judgement. Timeline/order: i.e. are we determining well viability first as all this work depends on viable well water supply. Impact of urbanization current and infill on groundwater: what steps are being taken to protect the recharge areas of the wells now?

Do you have any additional thoughts or comments about this project?

- 1 participant responded "No", and 3 participants skipped the question.
- 2 participants shared the following feedback:
  - I would like to see more discussion of our current water issues in the community and how this will be solved. The addition of even more wells for future development may solve the water quantity issue but certainly will not solve the water quality issue. I am well versed in risk assessment and allowable levels set by the government- I am not satisfied with this explanation as the water quality this community has to live with is horrible.
  - There's still a number of folks on septic in town (i.e. not hooked up even though available): has this been considered in the analysis?

III. Feedback on the Open House Format

Participants were asked to share feedback on the format of PCC 2. They were asked to rate the format of the presentation overall, on a scale of 1 to 5, and to share information about their experience. Minor edits have been made to spelling and grammar. The intent of the comments has not been altered.

On a scale of 1 (poor) to 5 (excellent), how would you rate the presentation format overall?

- 1 participant skipped the question.
- 2 participants rated the presentation format as a "2" and 3 participants rated the presentation as a "5".
- The average rating across respondents was 4.2 out of 5.

Please let us know about your experience: What did you like best or find most useful about the presentation, or consultation materials? Did you encounter any technical difficulties with the presentation or consultation materials? Do you have any other feedback or comments for us on the consultation process or format?

- 4 participants skipped the question.
- 2 participants shared the following feedback:

- The presentation was great! Appeared to run problem-free. I liked the numerous staff involved as questions related to the Project, Water, and Wastewater as staff responded to the specific questions that were asked in their respected field. Overall well done!
- I would recommend all background technical material be made more visible within the format. I also believe this is far too opaque, as it does not make it clear this is a much larger request to increase the development in Nobleton.

E. Comments and Issues

Participants were invited to provide emailed comments or concerns, and issues related to the proposed project by emailing the Region's Project Manager. The feedback received generally related to:

- how to participate in PCC 2
- water quality issues in Nobleton
- expanding the servicing area
- the cost of water and wastewater servicing
- community impacts of the project
- the need to consider appropriate growth and intensification.

Table 2 documents the written comments received through email. Minor edits have been made to spelling and grammar. The intent of the comments has not been altered.

Table 2: Comments and issues provided by participants regarding Public Consultation Centre 2.

Submission Type	Comment/Issue
Email	I don't understand how to join the Open House planned for Nobleton. I just dial up york.ca/nobletonea and that will magically get me there? Right now that takes me to a webpage that advertises this Open House. Will there be something there to click on for the meeting?
Email	Thank you for your notification about the upcoming online open house #2 for the Water and Wastewater Servicing in the community of Nobleton Class EA study by York Region. Following your online open house, can you please provide me with a PDF version of the materials for my review/file?
Email	I would like to attend the online open house #2 on November 25th but I was not able to find the meeting link. Could you please direct me to where I can find it or send it to me?
Email	This is to acknowledge receipt of the attached letter on the Water and Wastewater Servicing in the Nobleton Community Project. Please note that all future correspondence must be addressed to [NAME REMOVED FOR PRIVACY REASONS]. Could you please let us know if any archaeological studies are anticipated as part of this project?
Email	I hope to find you well. We are residents of Nobleton residing at [ADDRESS REMOVED FOR PRIVACY REASONS]. I received a notice for the "Nobleton Water and Wastewater Servicing Municipal Class Environmental Assessment Study".

Submission Type	Comment/Issue
	We feel it is very important to have the municipal water and wastewater services extended per the notice. Please let me know if we can be of assistance in relation to this assessment.
Voicemail	Thank you for the prompt reply. I was under the impression the area within the blue dotted line already had water and wastewater services. Overall, it would make sense to cover the area until Diana Dr., as the current residents have a bad quality of independent well water and wastewater issues. Is there an application or a petition that can be submitted to extend the area up to Diana Dr? I would appreciate a phone call for a better understanding of this. I can be reached at [PHONE NUMBER REMOVED FOR PRIVACY REASONS].
Email	I am writing in regards to the notice received for the water and water service issue. We moved to Nobleton almost 4 years ago, downsizing from Woodbridge because we are now retired and on a fixed income. We purchased a semi-detached home hoping to be able to afford a smaller home. The reason for this email is that we can not believe the cost of the water supply up here in Nobleton. Our last bill was $1,088.09 for a period of 3 months. We do not have a pool, have no other people in our home, therefore unbelievable why we had such a bill to pay. Another complaint is not only we had to purchase a water softener to ensure the water is of better quality, but we still notice rust stains in our toilets and bathroom sinks. During the summer we decided to replace all our toilets because the ones from the builder had rusted so badly due to the quality of water when we moved in and could not remove the stains. However, now we notice that also with the new toilets are starting to rust even with the water softener. My question is why is the sewer use, water maintenance and sewer charges are more than the water usage. It is atrocious, especially when the quality is very poor and continuing to cause rust problems and maybe even a health hazard in the long run in this community. Something has to be done!!!! I called the Township of King and the only thing they could tell me is that the population in Nobleton is small and that we don't have enough people to pay for the water service. This can't be true when we are seeing more new builds and more to come along King Rd. and we do belong as part of King-Vaughan. I was part of Vaughan and never paid these types of charges for water when I had my children at home and we were a family of six. Also, I am noticing that many people are not maintaining their lawns in this area due to the water charges. I can't blame them and will probably have to do the same if this continues. Even though we paid a lot of money to do our landscaping professionally to make the area look attractive, we will be forced to stop watering our lawn and join everyone else that feels the same. We are not only paying a lot for the water service, but also the property taxes which is ridiculous for the size of the home. If we knew this, we certainly would have stayed where we were. This being said, I'm sure that with the increase of homes being built, and further discussion with the Township of King, that your office can come up with a resolution to help the community afford the water usage and at the same time, have safe water and also we can keep up the properties with proper water service. I will try to attend the meeting on-line, but sometimes I am not able to connect so I

Submission Type	Comment/Issue
	thought of writing my concerns to you directly. Thank you for giving me the opportunity to send you our concerns and hopefully, something will be done about this.
Email	1) To understand the impacts this project may have on the Nobleton community, part of which is situated on the Oak Ridges Moraine, has the study team accessed groundwater data from the Oak Ridges Moraine Partnership? 2) Does MNRF have a role in this project? i.e. Has the MNRF completed a risk assessment? 3) Has a water budget been completed and monitored for the source water protection area? Can you share this data? 4) Are you examining the impact of water conservation efforts, operational efficiencies and optimizing existing infrastructure (as per the provincial, Places to Grow Plan) before considering new infrastructure? What programs/processes have been undertaken in this regard? 5) Are planners, engineers and finance at York Region working together on the project team to create an integrated plan for long term growth as part of the MCR, 2051 planning process? 6) Prior to the selection of a preferred alternative will full cost accounting of the project be undertaken to understand the long-term costs for capital, maintenance and on water and wastewater rates?
Voicemail	Interested in joining virtual PCC.
Email	I watched the Online open house #2. I just can't help but think that the overall solution, for now, and especially for the future of our town, Nobleton is to connect to the pipe which is servicing all of York Region south of us. Is it not just 4 km south of us at Kirby Road? And if not for the current town plan, will it not be the only solution for the next one? If so why would we spend anything on fixing the current system? When most of York Region seems to be on the other wastewater system? I look forward to your answer.
Email	I'm sorry I missed this on Wednesday. Is there a summary sheet or minutes of the meeting which you could provide me with?
Email	To begin, I would like to commend you and your team for attempting to complete an environmental assessment that is community-based. I do however have some major concerns, some of which I have addressed in the survey. As I can appreciate that you have to defer to some of the current literature and studies as well as the threshold limit values set by the government, and the province's long-term plans, however, it is essential that your team acknowledges and addresses the fact that the community is completed unsatisfied with the current water quality within Nobleton. It appears that this study is only concerned about water quantity and servicing it for future developments and has completely disregarded the fact that the community has very strongly outlined to your team that the quality of the water here is horrible. I have read through the detailed presentation alongside the FAQ and I feel there really needs to be more discussion on what the community needs (tapping into Lake Ontario) rather than saying it simply can not be done in this community (despite it being done

Submission Type	Comment/Issue
	in Kleinburg and King City). The addition of even more wells for future development may solve the water quantity issue but certainly will not solve the water quality issue. I am hoping that your team can somehow come together with the community to actually address this equally important issue at hand (water quality). I am happy to liaison in any capacity necessary. I live in this community with my family, which includes two small children - I am not satisfied hearing that the water is within safe limits yet our water runs orange and/or smells heavily chlorinated at certain times. This is directly the result of living in a community whose water source is well water. I look forward to hearing from you soon.
Email	I am sending this email in regards to a notice we received from you dated November 12th about the Water and Wastewater Servicing in the Nobleton Community EA and online open-house. Firstly, I wanted to thank you for your letter and to inform you at York Region that we had a new Chief elected in August, his name is [NAME REMOVED FOR PRIVACY REASONS]. Secondly, to my understanding, Nobleton falls just outside our Treaty area so you need not update us as you continue to work through this project. I am not however speaking on behalf of the other Williams Treaties communities so please continue to contact them unless they tell you otherwise. I want to stress that much of York Region does fall within our treaty area so please continue to keep us informed on proposed future projects.
Voicemail	Missed PCC 2, looking for more information.
Survey	What population/household/business threshold are we building to/from? Doing nothing, halting growth to current capacity is the lowest cost option. Doubling/re-sizing wells are unlikely to generate a corresponding increase in output: what will be done if this does not generate the required water? should not this be the first component, i.e. confirm adequate water supply before any further work is done? output? I am concerned the wells are serviced by an groundwater profile area that is increasingly being urbanised impacting the well replenishment. Who is paying for this? The existing tax base structure or the new development? This should not be a burden on the existing tax base. What capacity of population/household/business are we building from/to? Doing nothing/growth to capacity is the cheapest option. Why are we pretending it can't be done? What capacity of population/household/business are we building from/to? Doing nothing/growth to capacity is the cheapest option. Why are we pretending it can't be done? Financing. Impact to existing tax base. Capacity changes projections (Original projections, current use (i.e. are they higher lower) future projections with the delta of the original to current - i.e. how they aligned with what happened, and are we making the same errors in judgement. Timeline/order: i.e. are we determining well viability first as all this work depends on viable well water supply. Impact of urbanization current and infill on groundwater: what steps are being taken to protect the recharge areas of the wells now?

Submission Type	Comment/Issue
	There's still a number of folks still on septic in town (i.e. not hooked up even though available): has this been considered in the analysis I would recommend all background technical material be made more visible within the format. I also believe this is far too opaque, as it does not make it clear this is a much larger request to increase the development in Nobleton.
Survey	The preferred alternative seems reasonable as long as the potential future addition of the second well site (F) would be easily integrated into this solution when required to service additional growth. I'm not certain the proposed solution will accommodate future growth. It seems this solution is a temporary fix and ultimately a new facility will be required
Survey	It is difficult to get past all the points in the preface stating that you are aware of all the issues the community has raised about the horrible quality, taste, and feel of our current water and the desire to tap into Lake Ontario yet it is being ignored as a real solution and yet more wells are being proposed to account for future development. There must be something more we can do. We live here and have to deal with the decisions that are being made right now. I would like to see tapping into Lake Ontario as a serious consideration. Our water runs orange, smells and tastes of high levels of chlorine, ruins our clothing and our fixtures and is horrible for our skin and frankly tastes horrible. It would be nice to be able to drink a glass of water from my tap as I was able to when I lived in Toronto. I would like to see more discussion of our current water issues in the community and how this will be solved. The addition of even more wells for future development may solve the water quantity issue but certainly will not solve the water quality issue. I am well versed in risk assessment and allowable levels set by the government- I am not satisfied with this explanation as the water quality this community has to live with is horrible.
Survey	If possible - please address construction timelines and construction methods - (Direction drill vs Open cut forcemains etc...). The presentation was great! Appeared to run problem-free. I liked the numerous staff involved as questions related to the Project, Water, and Wastewater as staff responded to the specific questions that were asked in their respected field. Overall well done!
Email	Thank you for sending us notification regarding 'Study for Water and Wastewater Servicing in the community of Nobleton'. In our preliminary assessment, we have confirmed that Hydro One has existing high voltage Transmission facilities in proximity to your study area (Nobelton WRRF). Hydro One does not have concerns with regards to your project as long as the expansion of Nobleton WRRF is confined to the existing site. Hydro One would like to stay informed as more information becomes available so that we can advise if the preferred solution changes to conflict with our assets, and if so; what resulting measures and costs could be incurred by the proponent. Note that this response does not constitute approval for your plans and is being sent to you as a courtesy to inform you that we must continue to be consulted on your project. In addition to the existing infrastructure mentioned above, the applicable transmission corridor may have provisions for future lines or already contain secondary land uses (e.g., pipelines, watermains,

Submission Type	Comment/Issue
	parking). Please take this into consideration in your planning. Also, we would like to bring to your attention that should (Study for Water and Wastewater Servicing in the community of Nobleton) result in a Hydro One station expansion or transmission line replacement and/or relocation, an Environmental Assessment (EA) will be required as described under the Class Environmental Assessment for Minor Transmission Facilities (Hydro One, 2016). This EA process would require a minimum of 6 months for a Class EA Screening Process (or up to 18 months if a Full Class EA were to be required) to be completed. Associated costs will be allocated and recovered from proponents in accordance with the Transmission System Code. If triggered, Hydro One will rely on studies completed as part of the EA you are current undertaking. Consulting with Hydro One on such matters during your project's EA process is critical to avoiding conflicts where possible or, where not possible, to streamlining processes (e.g., ensuring study coverage of expansion/relocation areas within the current EA). Once in receipt of more specific project information regarding the potential for conflicts (e.g., siting, routing), Hydro One will be in a better position to communicate objections or not objections to alternatives proposed. If possible at this stage, please formally confirm that Hydro One infrastructure and associated rights-of-way will be completely avoided, or if not possible, allocate appropriate lead-time in your project schedule to collaboratively work through potential conflicts with Hydro One, which ultimately could result in timelines identified above. In planning, note that developments should not reduce line clearances or limit access to our infrastructure at any time. Any construction activities must maintain the electrical clearance from the transmission line conductors as specified in the Ontario Health and Safety Act for the respective line voltage. Be advised that any changes to lot grading or drainage within, or in proximity to Hydro One transmission corridor lands must be controlled and directed away from the transmission corridor. Please note that the proponent will be held responsible for all costs associated with modifications or relocations of Hydro One infrastructure that result from your project, as well as any added costs that may be incurred due to increased efforts to maintain said infrastructure. We reiterate that this message does not constitute any form of approval for your project. Hydro One must be consulted during all stages of your project. Please ensure that all future communications about this and future project(s) are sent to us electronically to secondarylanduse@hydroone.com
PCC	Is the water level in the aquifer going down? I understand that people nearby but outside the urban area boundary are having to get water trucked in during summer months but until recently they never had to do that.

F. Responses to Comments

The project team will consider all feedback received from Public Consultation Centre 2 to determine the next steps for the project. Feedback from participants will also assist with improving the next open house. It is anticipated that the next open house will take place in 2021.

Appendix A – Public Consultation Centre Briefing

Municipal Class Environmental Assessment Study:
Water and Wastewater Servicing in the Nobleton Community
Public Consultation Centre (PCC) #2, November 25, 2020
Briefing Summary

The second Public Consultation Centre (PCC) for the Water and Wastewater Servicing Municipal Class Environmental Assessment (EA) for the Nobleton Community was held online on Wednesday, November 25, 2020. It was hosted virtually by York Region via Microsoft Teams Live Events. The PCC was held as a series of three 1-hour long town hall events throughout the day at 10 AM, 2 PM, and 7 PM. Identical presentations were shared at each session. All digital materials were made available online on York Region's website, at www.yorkregion.ca/nobletonea.

The purpose of the Class EA is to identify long-term water and wastewater servicing solutions for the community of Nobleton. The purpose of the PCC was to present the water/wastewater servicing alternatives that were considered, share the evaluation of these alternatives, present the recommended solutions, and obtain public input on the alternatives and proposed solutions. The PCC provided attendees an opportunity to learn more about the project and engage with members of the project team through various means, including:

- Viewing one of three sessions hosted throughout the day which included:
    - Watching a recorded presentation on the evaluation of servicing alternatives and recommended servicing solutions (identical in each session)
    - Participating in a facilitated question and answer period (informed by public questions)
- Completing an online feedback form
- Viewing presentation boards and materials posted online
- Providing feedback directly to York Region's Project Manager

The PCC was attended by approximately 60 participants across all three sessions. Of the 60 participants, most joined via Microsoft Teams Live, and 9 joined via telephone. Municipal staff, consultants, and interested members of the public attended the PCC. No identified members of the media were present.

Questions asked by PCC attendees focused on planning policy, water servicing options, water quality, wastewater servicing, conservation, project costs, development, and further engagement opportunities for the project. Questions surrounding planning policy focused on the Greenbelt Plan and its guidance related to connecting to a lake-based supply for water servicing, and the Oak Ridges Moraine Conservation Plan regarding water regeneration. Questions about water servicing focused on new well locations and potential limitations of the aquifer. Water quality questions pertaining to iron levels of well-based water supply were raised by multiple participants. One participant asked whether recent changes to land uses were included in the project's calculations. Another asked if York Region would be implementing an education campaign to help share the benefits of conservation with the public. A few questions were asked about the overall cost of the EA and construction of the project. One participant asked why new development is frozen until new water supply is provided. Finally, one participant asked when PCC 3 will be held in 2021. These questions were responded to in the PCC sessions, and all feedback was logged for consideration by York Region and the project team.

Appendix B – Notice of Open House

NOTICE OF ONLINE OPEN HOUSE #2

Municipal Class Environmental Assessment Study
Water and Wastewater Servicing in the Nobleton Community

**LEARN MORE!
HAVE YOUR SAY.**

The Regional Municipality of York is identifying long-term water and wastewater servicing options for the Nobleton community through a Schedule C Municipal Class Environmental Assessment (Class EA). The Class EA will support growth in the community and optimize the use of existing Regional infrastructure.

At this time our open house is moving to an online format.

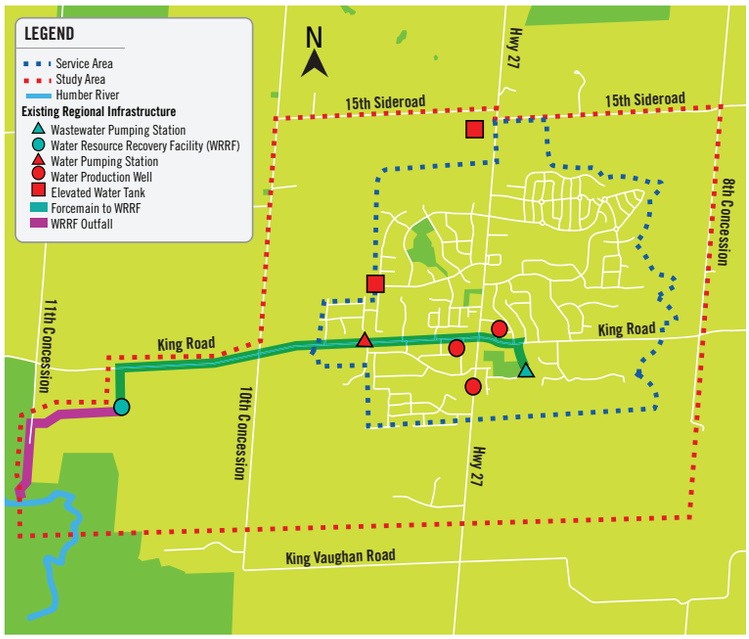
WE WANT TO HEAR FROM YOU!

You are invited to join the online open house to review and comment on:

1. Water and wastewater servicing solutions that were considered
2. Recommended solutions to support forecasted growth in Nobleton

For more information about the study visit **york.ca/nobletonea**

All materials, including information to join the open house will be provided.



ONLINE OPEN HOUSE:

Date: Wednesday, November 25, 2020
Time: Three (3) identical 1-hour sessions
10 a.m., 2 p.m. and 7 p.m.

To join the online open house: **york.ca/nobletonea**
This notice was issued on Thursday, November 12, 2020.

THANK YOU FOR YOUR PARTICIPATION IN THIS STUDY.

If you are unable to join the online open house, you can call 416-764-8658 | Toll Free 888-886-7786 and listen to the session. Please let us know if you require additional accommodations to participate. We will arrange for you to take part in another way. Meeting materials and an accessible version of this notice are available upon request.

York Region's number one priority is protecting the health and safety of staff and all our communities. As we monitor the ongoing COVID-19 situation, York Region is committed to effective engagement and consultation with the public and stakeholders in accordance with the Municipal Class Environmental Assessment process.

To submit questions, comments or to be added to the mailing list, please contact:

Afshin Naseri, P.Eng.
Senior Project Manager, Environmental Services
The Regional Municipality of York
17250 Yonge Street Newmarket, ON L3Y 6Z1
afshin.naseri@york.ca
1-877-464-9675 ext. 75062 Fax: 905-830-6927

York Region

Appendix D – Presentation Slides

Water and Wastewater Servicing in the Nobleton Community

Municipal Class Environmental Assessment Study

Online Open House No. 2

Wednesday, November 25th, 2020
Online Sessions: 10 to 11 a.m.; 2 to 3 p.m.; and 7 to 8 p.m.

York Region

Project Background

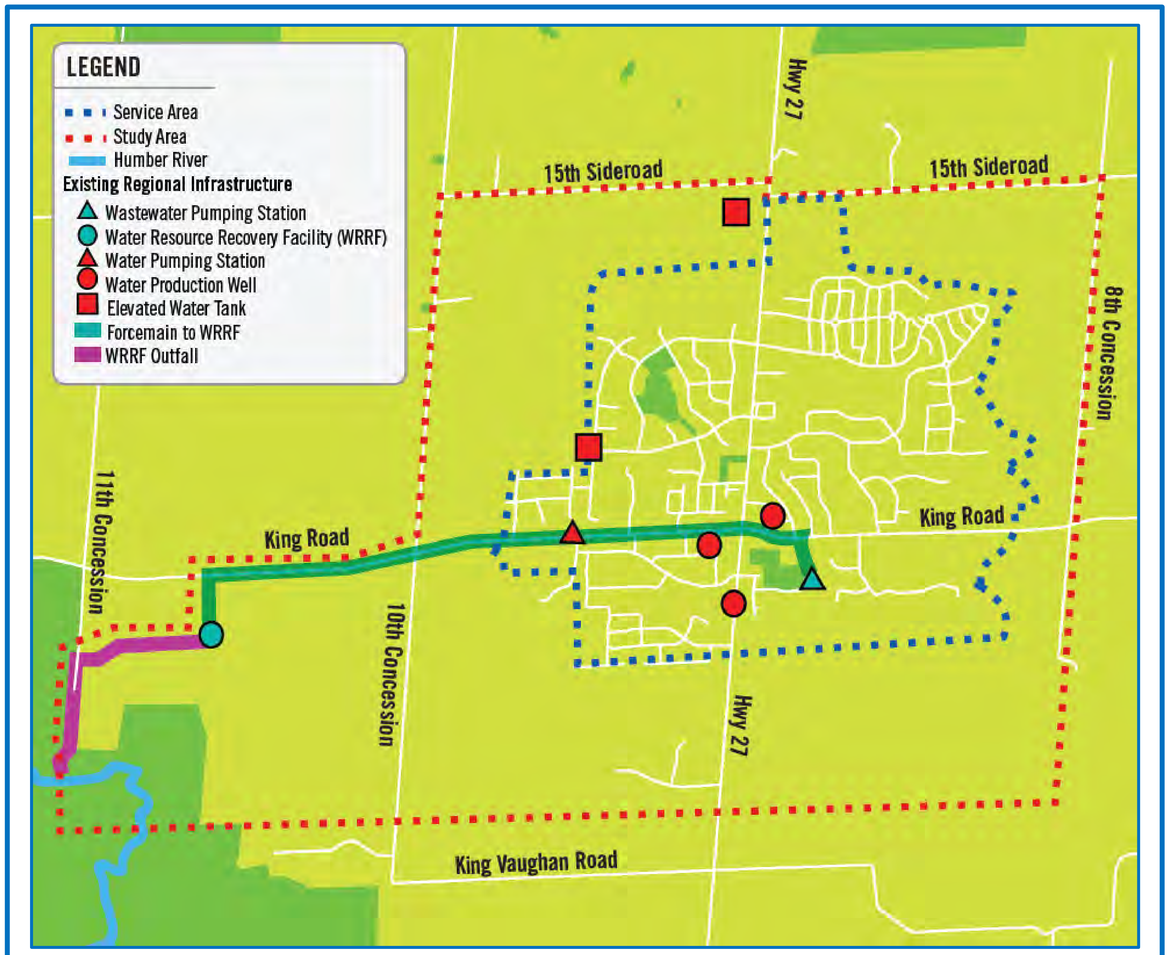
Problem/Opportunity Statement for this Municipal Class Environmental Assessment (Class EA) Study

- To identify **long-term water and wastewater servicing solutions** to support forecasted growth in Nobleton to 2041 while **optimizing the use of existing Regional infrastructure.**

Purpose of this Open House

- Present the **alternatives considered**
- Share the **evaluation of alternatives**
- Share the **recommended solutions**
- **Obtain your input**

We want to hear from you!



Study Area and Service Area

Service Area: *Community of Nobleton boundary including current and planned service areas*

Study Area: *All serviced area plus an assessment of potentially impacted lands due to new infrastructure requirements*

Schedule C Municipal Class Environmental Assessment Study Process

Before EA Technical Studies

Phase 1 Problem or Opportunity

- Identify the problem or opportunity
- **Conduct public consultation**

Public Open House #1 February 2019

Phase 2 Alternative Solutions

- Identify and evaluate alternative solutions to problem
- **Conduct public consultation**
- Select recommended solution

Online Open House #2

We are here

Phase 3 Alternative Designs

- Identify and evaluate alternative designs for the recommended solution
- **Conduct public consultation**
- Select preferred design

Open House #3

Phase 4 Environmental Study Report

- Complete Environmental Study Report
- Post report for 30 day public and agency review period

Public Review Period

Project Timeline

Stay informed throughout the study process by visiting the York Region EA Website (**york.ca/nobletonea**).

We are here

November 2018
Notice of Commencement

February 2019
Open House #1

November 2020
Open House #2

Summer 2021
Open House #3

Winter 2021
Environmental Study Report & Notice of Study Completion

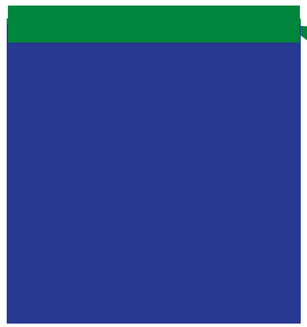
Nobleton Water System: Needs Assessment

STORAGE

Current Storage
3,845 m^3

to

Target Storage
3,917 m^3



Minor increase in storage required to meet growth

GROUNDWATER SUPPLY

Current Supply
51.6 L/s

to

Target Supply
89.5 L/s

Significant increase in supply required to meet growth

Nobleton Wastewater System: Needs Assessment

WATER RESOURCE RECOVERY FACILITY (WRRF)

FLOW TRANSFER (PUMP STATION & PIPES)

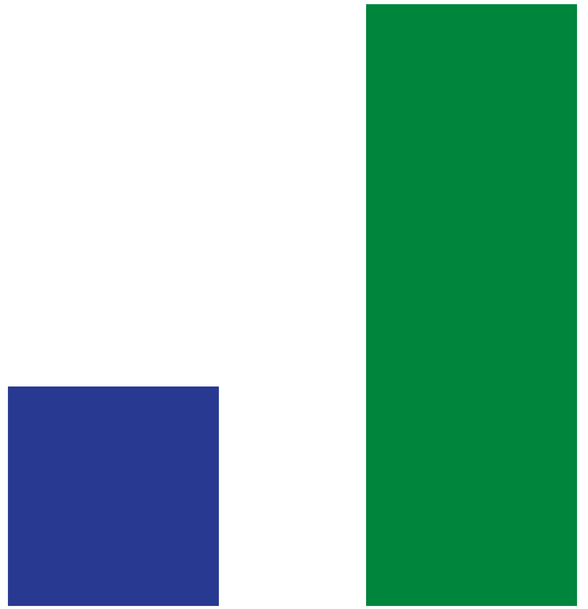
HUMBER RIVER (RECEIVING WATER)

Average Day Flow

2,925 m^3/d to 3,996 m^3/d

Peak Flow

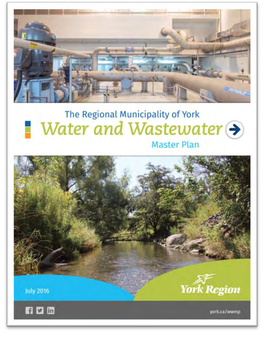
9,177 m^3/d to 25,174 m^3/d



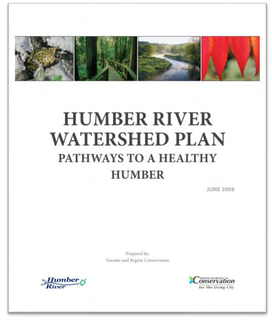
Plans for Consideration

This Class EA must also consider input from various existing documents.

Places to Grow

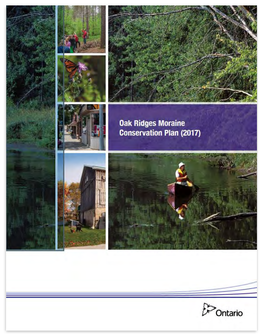


York Region's 2016 Water and Wastewater Master Plan

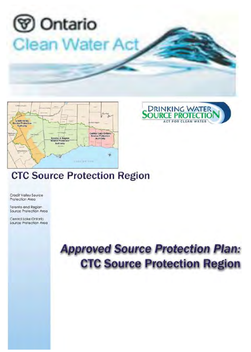


Humber River Watershed Plan

King Township Official Plan (Draft)

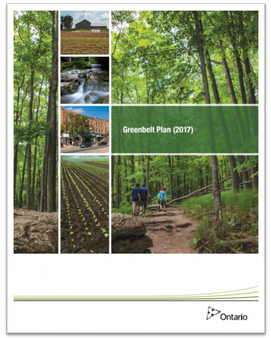


Oak Ridges Moraine Conservation Plan

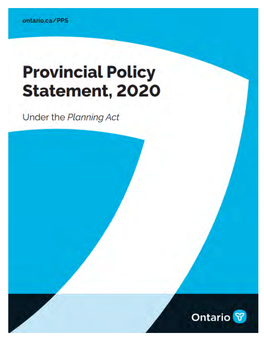


Clean Water Act / Source Protection Plan

York Region's 2010 Official Plan



Greenbelt Plan



Provincial Policy Statement

Technical Studies

Natural Environment Impact Assessment

- Identification of natural features (wetlands, forests, species at risk, etc.)

Hydrogeological Assessment

- Review of groundwater conditions in the Study Area (existing wells, groundwater levels, etc.)

Cultural Heritage Resource Assessment

- Review of cultural heritage resources in the Study Area

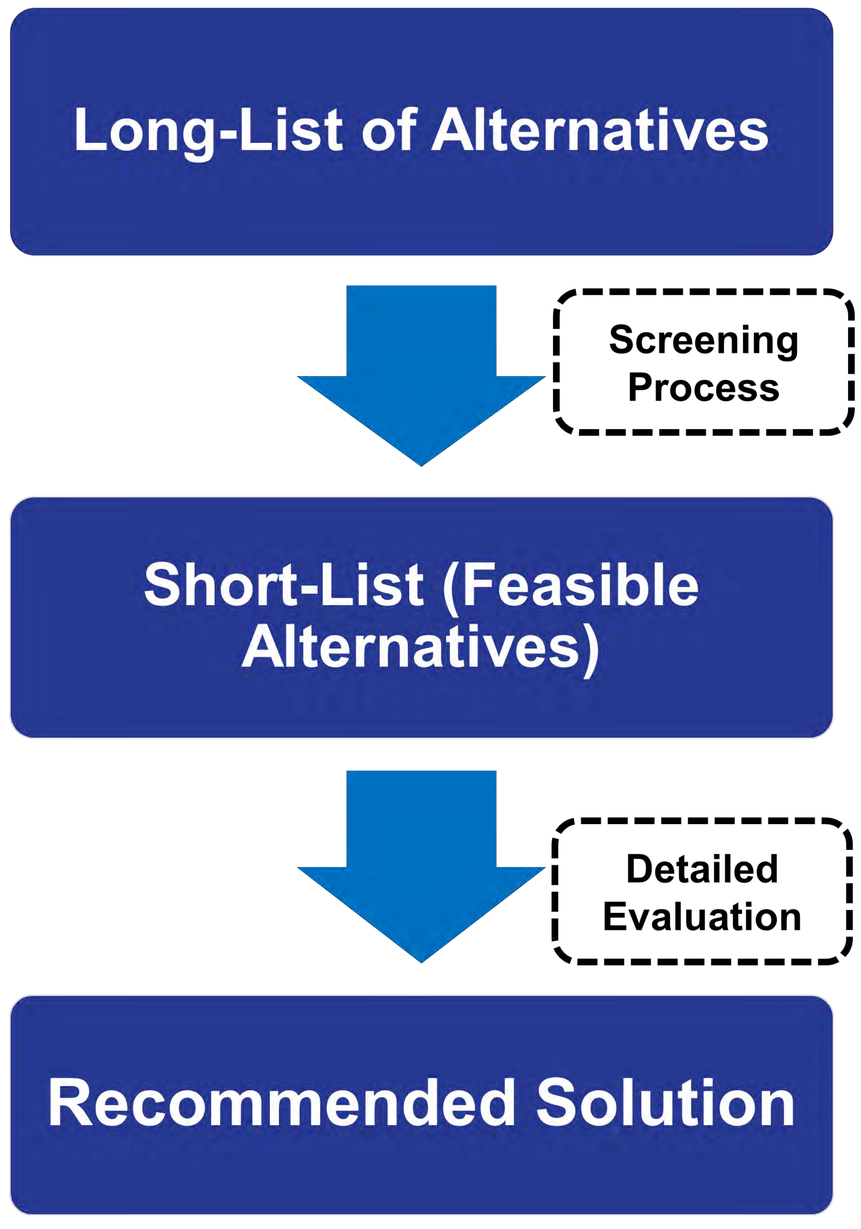
Archaeological Assessment

- Review of potential archaeological resources in the Study Area

Geotechnical Assessment

- Assessment of subsurface soil conditions

Evaluation Process



Screening Long-List of Alternative Water Supply Solutions

Solutions Considered to Address Water Supply Needs	Long-List of Alternative Water Supply Solutions Screening Summary	Screening Status
1. Do Nothing - Permit Growth Without Increasing Capacity	▪ Unable to provide supply to meet forecasted growth ▪ Carried forward for comparative purposes only	**Fail**
2. Limit Growth Up To Existing Capacity	▪ Unable to provide supply to meet forecasted growth	**Fail**
3. Encourage Water Conservation To Reduce Usage	▪ Unable to provide supply to meet forecasted growth ▪ Recommended conservation be carried forward as separate ongoing program to help reduce water supply needs	**Fail**
4. Increase Capacity of Existing Wells (Well #2, #3 and/or #5)	▪ Unable to increase capacity enough to provide enough supply to meet forecasted growth	**Fail**
5. Increase Capacity of Existing Well #2 and Add a New Production Well	▪ Able to provide supply to meet forecasted growth while meeting existing and proposed regulations, plans and policies	**Pass**
6. Increase Capacity with Two New Production Wells	▪ Able to provide supply to meet forecasted growth while meeting existing and proposed regulations, plans and policies	**Pass**
7. Develop a Blended System with the Addition of a Lake-Based Water Supply Connection to the Existing Wells	▪ Able to provide supply to meet forecasted growth ▪ Carried forward conditionally. The province's long-term plan, A Place to Grow, only allows the addition of a lake-based supply connection if well supply cannot meet the necessary quality or quantity requirements.	**Conditional Pass**
8. New Water Supply Source from Humber River	▪ Unable to provide sufficient supply from Humber River to meet forecasted growth	**Fail**

Short-List of Alternative Water Supply Solutions

Three alternatives passed the screening process and were selected for detailed evaluation:

1) Supply Alternative A

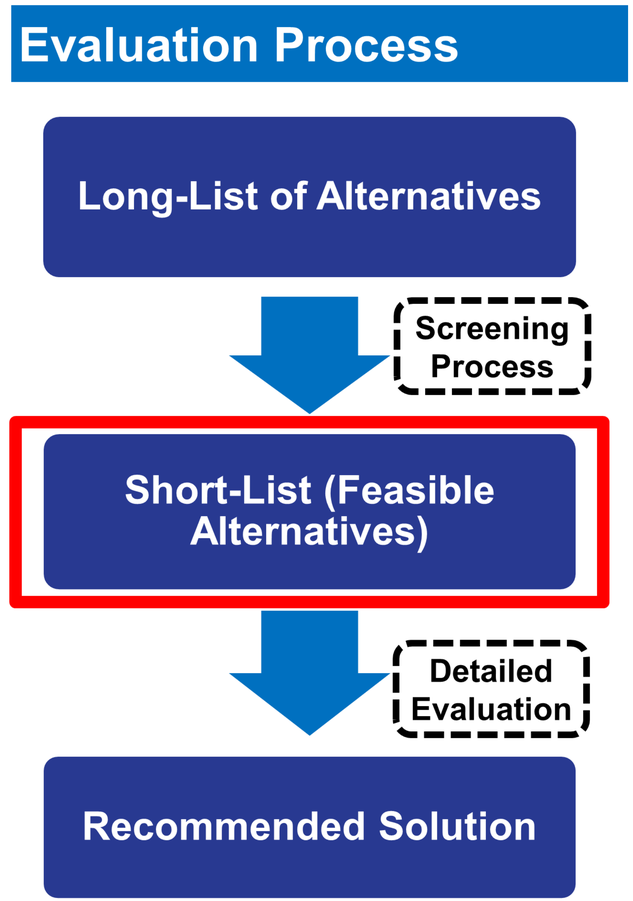
- Increase Capacity of Existing Well #2 and Add a New Production Well

2) Supply Alternative B

- Increase Capacity with Two New Production Wells

3) Supply Alternative C

- Develop a Blended System with the Addition of a Lake-Based Water Supply Connection to the Existing Wells



Water Supply Alternatives (Well Sites Considered)

Eight potential new well sites were narrowed down to two, Site F and Site H. Sites were narrowed down to those that would provide the best potential groundwater supply, make the most sense logistically, be simplest to implement and best meet all applicable policies and regulations. This led to the following water supply sub-alternatives:

1) Supply Alternative A1:

- Increase Capacity at Existing Well #2
- Add New Well at Site F

2) Supply Alternative A2:

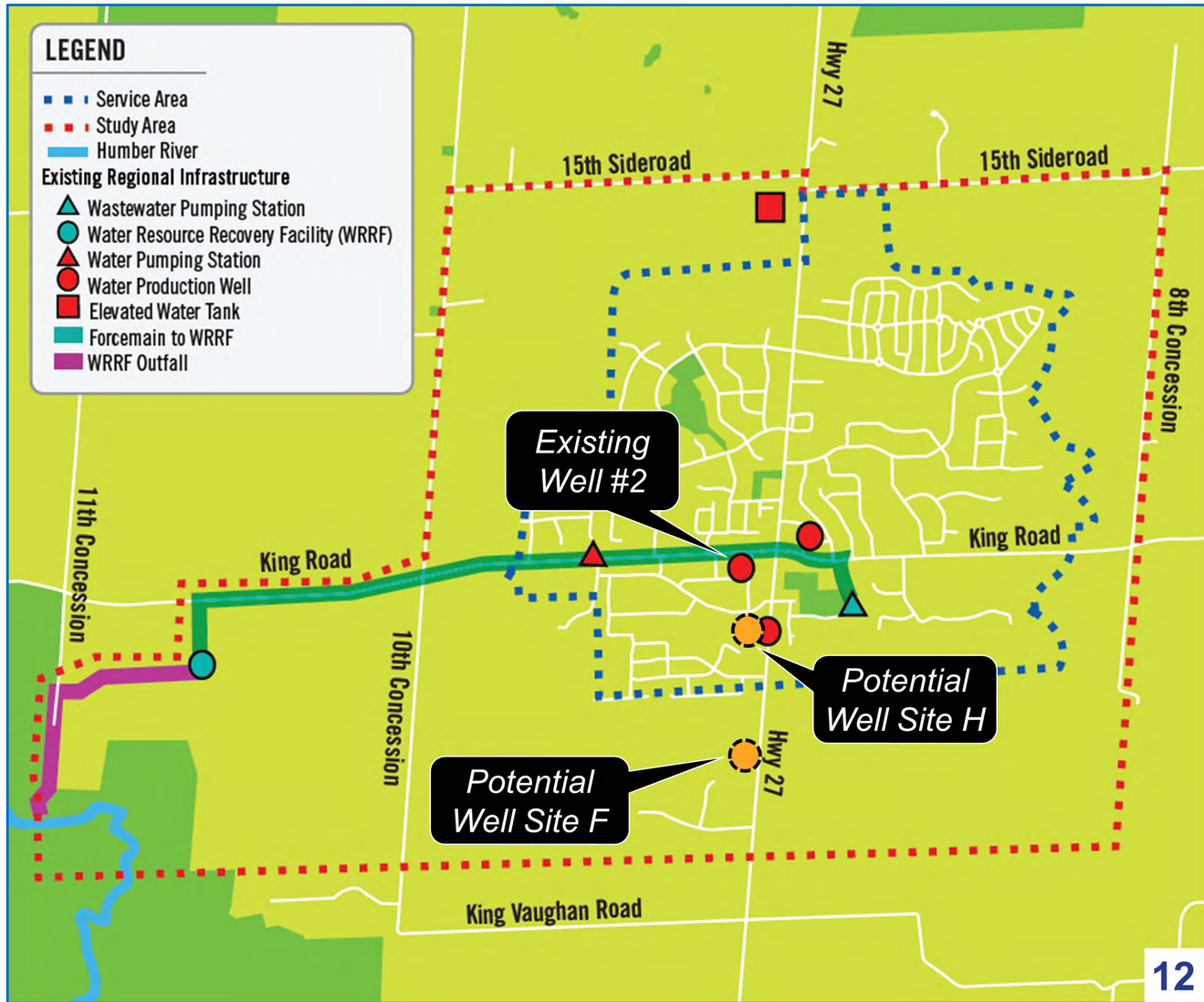
- Increase Capacity at Existing Well #2
- Add New Well at Site H

3) Supply Alternative B:

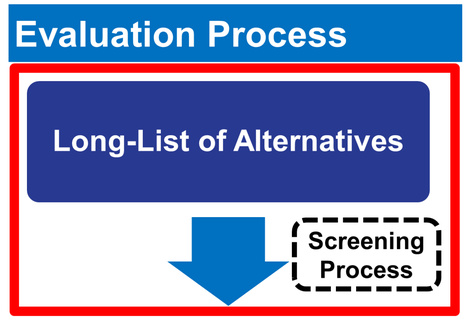
- Add New Well at Site F
- Add New Well at Site H

4) Supply Alternative C:

- No change to wells
- Add Lake-Based Supply



Screening Long-List of Alternative Water Storage Solutions



Solutions Considered to Address Water Supply Needs	Long-List of Alternative Water Supply Solutions Screening Summary	Screening Status
1. **Do Nothing - Permit Growth Without Increasing Capacity**	▪ Unable to provide storage capacity to meet forecasted growth ▪ Carried forward for comparative purposes only	**Fail**
2. **Limit Growth Up To Existing Capacity**	▪ Unable to provide storage capacity to meet forecasted growth	**Fail**
3. **Encourage Water Conservation To Reduce Usage**	▪ Unable to provide storage capacity to meet forecasted growth ▪ Recommended conservation be carried forward as part of overall servicing strategy	**Fail**
4. **Modify Existing Design Guidelines' Storage Requirements**	▪ Does not meet existing Design Guidelines and there is not enough evidence to support modification of Guidelines	**Fail**
5. **New Storage Facility (Replace Existing Nobleton South Elevated Tank Storage Facility With Bigger Storage Facility)**	▪ Able to provide storage capacity to meet forecasted growth while meeting existing and proposed regulations, plans and policies	**Pass**
6. **Increase Overall Well Supply to Avoid New Storage**	▪ Able to provide storage capacity to meet forecasted growth while meeting existing and proposed regulations, plans and policies	**Pass**

Short-List of Alternative Water Storage Solutions

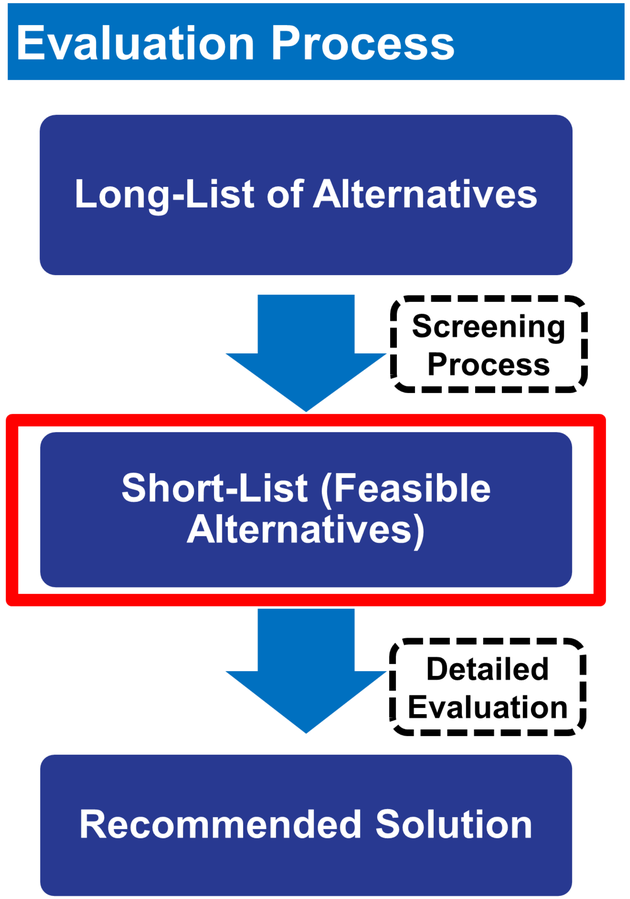
Two alternatives passed the screening process and were selected for detailed evaluation:

1) Storage Alternative A

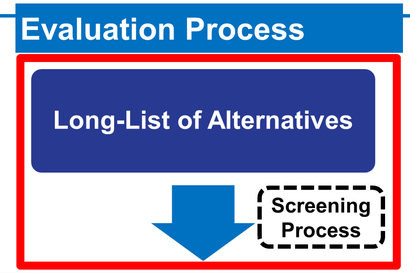
- Add New Storage Facility (Replace Existing Nobleton South Elevated Tank Storage Facility With Bigger Storage Facility)

2) Storage Alternative B

- Increase Overall Well Supply to Avoid New Storage



Screening Long-List of Alternative Wastewater Servicing Solutions



Solutions Considered to Address Water Supply Needs	Long-List of Alternative Water Supply Solutions Screening Summary	Screening Status
1. Do Nothing - Permit Growth Without Increasing Capacity	▪ Unable to provide wastewater capacity to meet forecasted growth ▪ Carried forward for comparative purposes only	**Fail**
2. Limit Growth Up To Existing Capacity	▪ Unable to provide wastewater capacity to meet forecasted growth	**Fail**
3. Reduce Inflow and Infiltration	▪ Unable to provide wastewater capacity to meet forecasted growth ▪ Recommended inflow/infiltration reduction be carried forward as part of overall servicing strategy to help reduce future infrastructure requirements	**Fail**
4. Expand and Upgrade the Existing Janet Avenue Pumping Station, Forcemain and Nobleton Water Resource Recovery Facility (WRRF) and Outfall	▪ Able to provide wastewater capacity to meet forecasted growth while meeting existing and proposed regulations, plans and policies	**Pass**
5. Construct a New Pumping Station, Forcemain and New Water Resource Recovery Facility (WRRF) and Outfall	▪ Able to provide wastewater capacity to meet forecasted growth while meeting existing and proposed regulations, plans and policies	**Pass**
6. Convey Additional Flows to Neighbouring Water Resource Recovery Facilities	▪ Able to provide wastewater capacity to meet forecasted growth ▪ Does not meet requirements of Greenbelt Plan and inconsistent with recommendations of York Region Water and Wastewater Master Plan	**Fail**
7. Convey All Flows to Lake-based Treatment Systems	▪ Able to provide wastewater capacity to meet forecasted growth ▪ Does not meet requirements of Greenbelt Plan and inconsistent with recommendations of York Region Water and Wastewater Master Plan	**Fail**
8. Maintain Existing and Convey Additional Flows to Lake-based Treatment Facilities	▪ Able to provide wastewater capacity to meet forecasted growth ▪ Does not meet requirements of Greenbelt Plan and inconsistent with recommendations of York Region Water and Wastewater Master Plan	**Fail**

Short-List of Alternative Wastewater Servicing Solutions

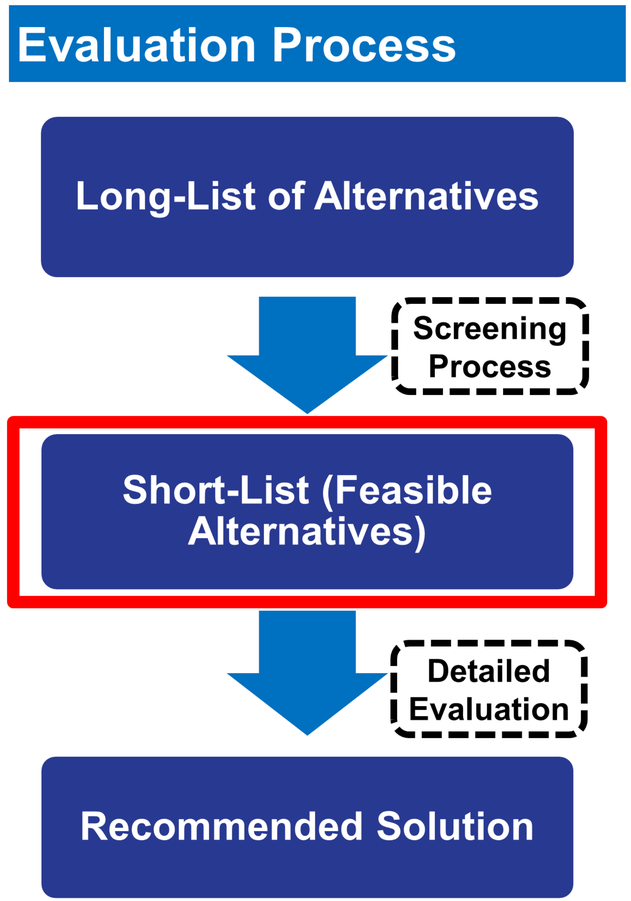
Two alternatives passed the screening process and were selected for detailed evaluation:

1) Wastewater Servicing Alternative A

- Expand and Upgrade the Existing Janet Avenue Pumping Station, Forcemain and Nobleton Water Resource Recovery Facility (WRRF) and outfall

2) Wastewater Servicing Alternative B

- Construct a New Pumping Station, Forcemain and New Water Resource Recovery Facility (WRRF) and outfall



Alternative Solutions Evaluation Criteria

When evaluating possible water and wastewater servicing solutions, a broad range of criteria were considered. Criteria were refined based on feedback obtained during Open House #1.

Natural Environment

- Aquatic Vegetation and Wildlife
- Terrestrial Vegetation and Wildlife
- Groundwater Resources
- Surface Water Resources
- Greenhouse Gas Emissions

Social & Cultural

- Short-term Community Impacts
- Long-term Community Impact
- Archaeological Sites
- Cultural/Heritage Features

Jurisdictional / Regulatory

- Land Requirements
- Ability to Accommodate Potential Future Regulatory Changes
- Permits and Approval

Technical

- Constructability
- Redundancy of Supply/Service
- Resilience to Climate Change
- Operations and Maintenance Requirements
- Adaptability to Existing Infrastructure
- Maximizing Use of Existing Infrastructure

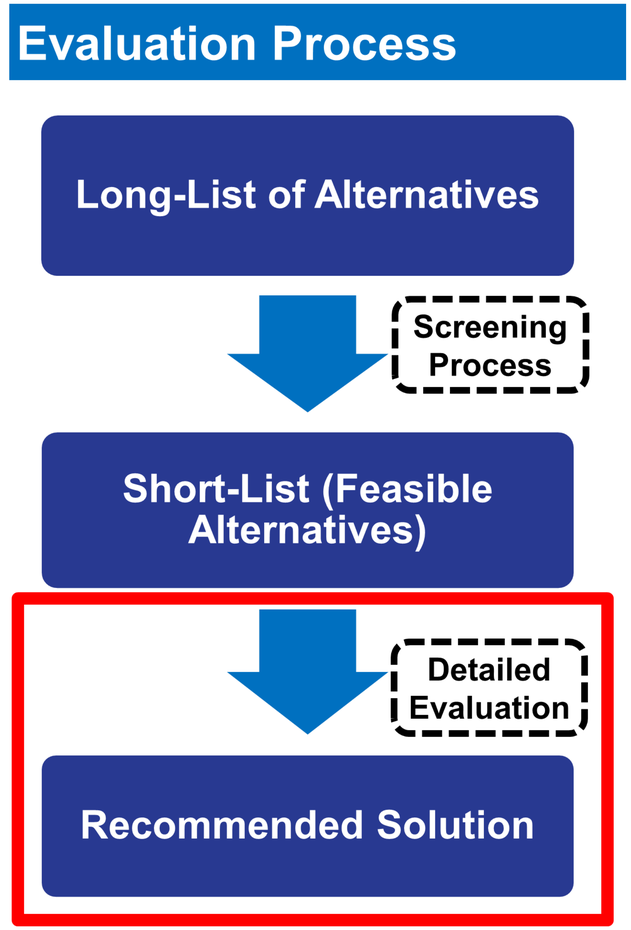
Economic

- Capital Cost
- Lifecycle Cost
- Land Acquisition Cost

Water Supply Alternatives Detailed Evaluation

Evaluation Category	Do Nothing Permit Growth Without Increasing Capacity	Supply A1: Increase Capacity of Existing Well #2 in Combination with New Production Well at Site F	Supply A2: Increase Capacity of Existing Well #2 in Combination with New Production Well at Site H	Supply B: Increase Capacity with Two New Production Wells	Supply C: Develop Blended System with Addition of Lake-Based Connection to Existing Wells
Natural Environment	🟢	🟡	🟡	🟡	🔴
Social & Cultural	🟢	🟡	🟢	🟡	🔴
Jurisdictional /Regulatory	🟡	🟡	🟢	🟡	🔴
Technical	🔴	🟡	🟢	🟡	🔴
Economic	🟢	🟡	🟢	🟡	🔴
Overall Rank	Not Applicable	2	**1**	3	4

Evaluation Process



Scoring Description

- 🟢 Low Impact / Most Preferred
- 🟡 Moderate Impact
- 🔴 Most Impact / Least Preferred

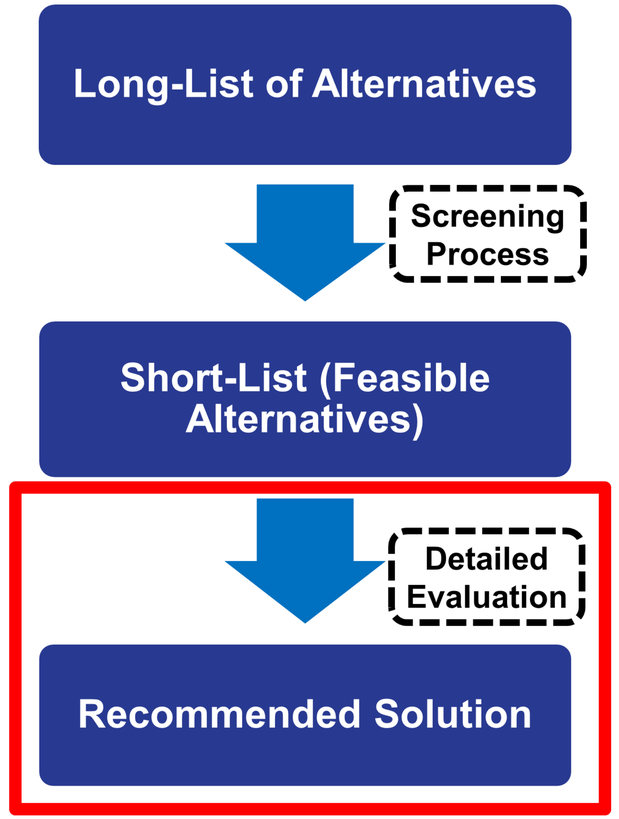
Water Supply Alternatives Detailed Evaluation: Summary of Evaluation

Evaluation Category	Summary of Evaluation
Natural Environment	▪ A1, A2 and B will have low/moderate impact to vegetation and wildlife and moderate greenhouse gas emissions ▪ C will have moderate to significant impact to vegetation and wildlife and high greenhouse gas emissions ▪ A1, A2 or B will have greater impact to groundwater resources than C, but not considered significantly greater
Social & Cultural	▪ All will have some short-term impacts during construction (increased traffic, noise, dust), C will have the greatest ▪ A1, B and C will have short-term impacts on traffic along Highway 27, C will have the most significant impacts ▪ A1, A2 and B have moderate long-term community impacts (water aesthetics, requires wellhead protection areas) ▪ A1, A2 and B have no impact on cultural or heritage features, C has some risk of impact
Jurisdictional /Regulatory	▪ All can accommodate potential future changes in drinking water quality requirements ▪ C crosses Greenbelt Plan's "Protected Countryside" making approvals difficult ▪ A1, B and C require land acquisition
Technical	▪ C provides best system redundancy (two sources) but requires the most construction and all new infrastructure ▪ A1, A2 and B will provide the required system redundancy ▪ A1 and A2 maximize use of existing Well Site #2, A2 also maximizes facility at Well Site #5 ▪ A1 and A2 require least operations and maintenance resources, B requires more (2 sites), C requires most (new water supply system)
Economic	▪ A2 has the lowest capital cost, A1 and B are moderate and C has the highest capital cost ▪ A1 and A2 have lowest overall total lifecycle cost, B is moderate and C is the highest ▪ A1, B and C all require land acquisition cost

Water Supply Alternatives Detailed Evaluation: Highest Ranked Alternative - Alternative A2

Evaluation Category	Summary of Evaluation
Natural Environment	A2 (along with A1 and B) ranked highest overall as they have least impact to aquatic/terrestrial vegetation and wildlife, surface water and groundwater resources and greenhouse gas emissions overall.
Social & Cultural	A2 ranked highest overall as construction is confined to existing sites, minimizing short- and long-term impacts, and has no impact to cultural or heritage features.
Jurisdictional /Regulatory	A2 ranked highest overall as it can accommodate potential future changes in drinking water quality requirements, is less challenging to approve than C and does not require land acquisition.
Technical	A2 ranked highest overall as it requires the least amount of construction, maximizing use of existing sites and facilities, minimizes the additional operations and maintenance resources required and avoids traffic impacts to Highway 27 during construction.
Economic	A2 ranked highest overall as it has no land acquisition cost, lowest capital cost and lowest overall lifecycle cost
Overall	**A2 ranked highest overall, ranking 1st in 4 of the 5 evaluation categories and tied with A1 and B in the 5th category.**

Evaluation Process



Water Storage Alternatives Detailed Evaluation

Evaluation Category	Do Nothing: Permit Growth Without Increasing Capacity	Storage A: New Storage Facility (Replace Existing Nobleton South Elevated Tank Storage Facility With Bigger Storage Facility)	Storage B: Increase Overall Well Supply to Avoid New Storage
Natural Environment	🟢	🟢	🟢
Social & Cultural	🟢	🟢	🟢
Jurisdictional /Regulatory	🟡	🟡	🟢
Technical	🔴	🟡	🟢
Economic	🟢	🔴	🟡
Overall Rank	Not Applicable	2	**1**

Evaluation Process

- Long-List of Alternatives
- ↓ Screening Process
- Short-List (Feasible Alternatives)
- ↓ Detailed Evaluation
- Recommended Solution

Scoring Description

- 🟢 Low Impact / Most Preferred
- 🟡 Moderate Impact
- 🔴 Most Impact / Least Preferred

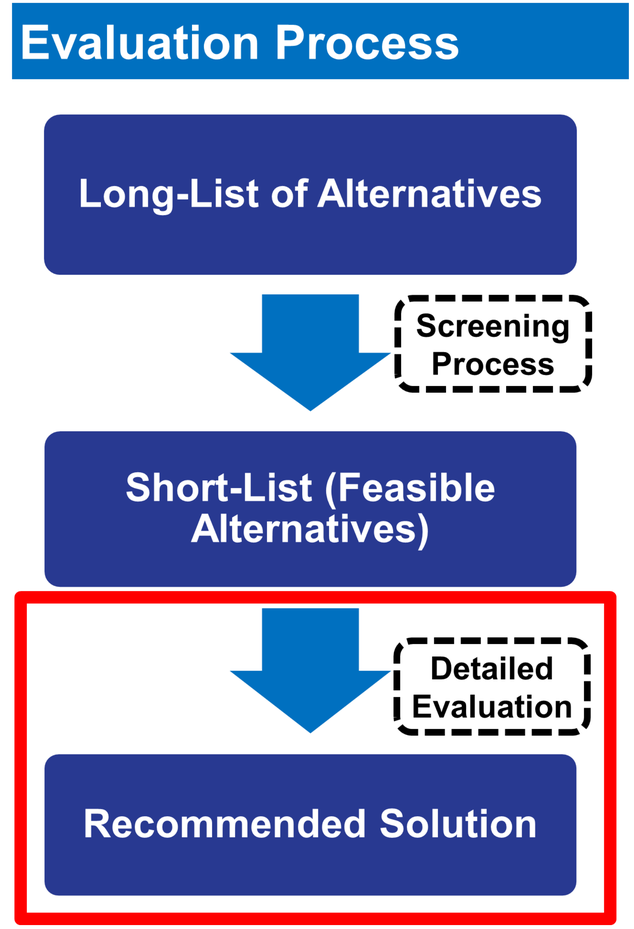
Water Storage Alternatives Detailed Evaluation: Summary of Evaluation

Evaluation Category	Summary of Evaluation
Natural Environment	▪ A and B will have low or no significant impact to vegetation and wildlife, and surface water resources and greenhouse gas emissions ▪ B will require minimally greater use of groundwater resources than A (increase overall well supply versus new storage) but neither has significant impact on existing resources
Social & Cultural	▪ Both will have some short-term impacts during construction (increased traffic, noise, dust), A will have greater impact due to construction of new storage facility ▪ Neither will have significant long-term community impacts or impact to cultural or heritage features
Jurisdictional /Regulatory	▪ Both can accommodate potential future changes in drinking water quality requirements ▪ A requires more approvals than B ▪ A may require some land acquisition
Technical	▪ A requires the most construction ▪ Both provide redundancy, through greater storage (A) and greater supply (B) ▪ Neither has significant impact to operations and maintenance resources required ▪ B maximizes use of existing infrastructure whereas A replaces existing functional storage facility
Economic	▪ A has higher capital and lifecycle cost than B ▪ A may require some land acquisition costs

Water Storage Alternatives Detailed Evaluation: Highest Ranked Alternative - Alternative B

Evaluation Category	Summary of Evaluation
Natural Environment	B and A ranked equally, as neither has significant impact on aquatic/terrestrial vegetation and wildlife, surface water and groundwater resources, or greenhouse gas emissions.
Social & Cultural	B and A ranked equally, with B being marginally better than A due to short-term impacts associated with construction of new tank. Overall, A and B have similarly minimal Social & Cultural impacts.
Jurisdictional /Regulatory	B ranked highest overall with no additional land acquisition and fewer approval requirements.
Technical	B ranked highest overall due to its ability to maximize the use of existing infrastructure while avoiding unnecessary new assets. This results in less construction, minimizing potential impacts.
Economic	B ranked highest overall due to its lower capital, lifecycle and land acquisition costs. B maximizes investment in existing infrastructure (storage facility) while only marginally increasing cost of well supply.
Overall	**B ranked highest overall, ranking 1st in 3 of the 5 evaluation categories and ranking equally to A in the two other categories.**

Evaluation Process



Recommended Water Servicing Solutions

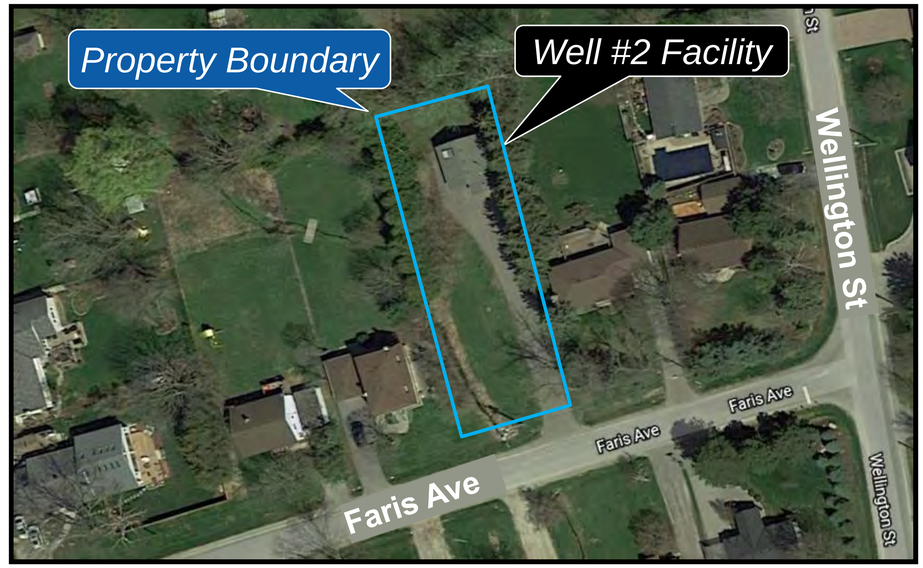
Evaluation has identified the recommended water supply and storage solutions

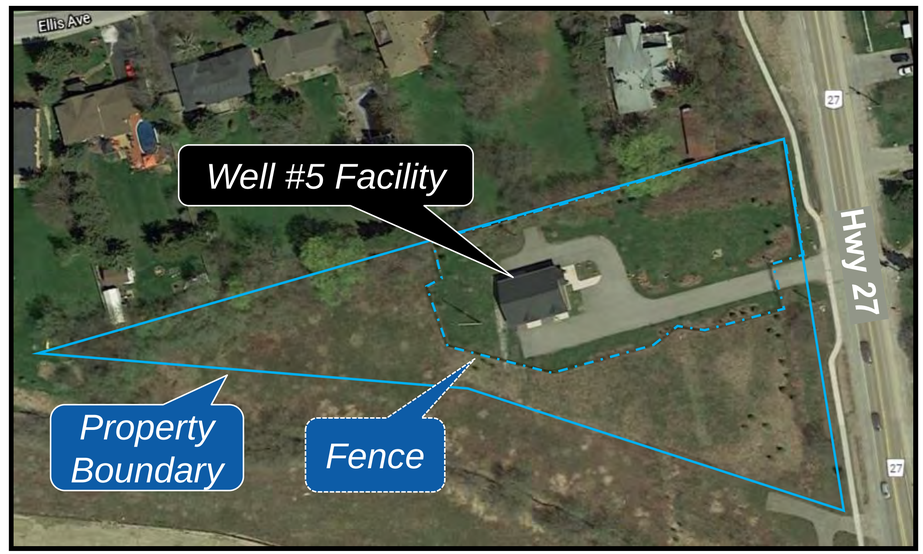
Water Supply Alternative A2

- Increase Capacity at Existing Well #2
  - Upgrades to facility to be confined to existing site
- Add New Well Supply at Site H
  - Located on same site as Existing Well #5

Water Storage Alternative B

- Increase Overall Well Supply to Avoid New Storage





Wastewater Alternatives Detailed Evaluation

Evaluation Category	Do Nothing: Permit Growth Without Increasing Capacity	Wastewater A: Expand and Upgrade the Existing Janet Avenue Pumping Station, Forcemain and Nobleton WRRF and Outfall	Wastewater B: Construct a New Pumping Station, Forcemain and WRRF and Outfall
Natural Environment	🟢	🟢	🟡
Social & Cultural	🟢	🟢	🟡
Jurisdictional /Regulatory	🟡	🟢	🟡
Technical	🔴	🟡	🔴
Economic	🟢	🟢	🟡
Overall Rank	Not Applicable	**1**	2

Evaluation Process

- Long-List of Alternatives
- ↓ Screening Process
- Short-List (Feasible Alternatives)
- ↓ Detailed Evaluation
- Recommended Solution

Scoring Description

- 🟢 Low Impact / Most Preferred
- 🟡 Moderate Impact
- 🔴 Most Impact / Least Preferred

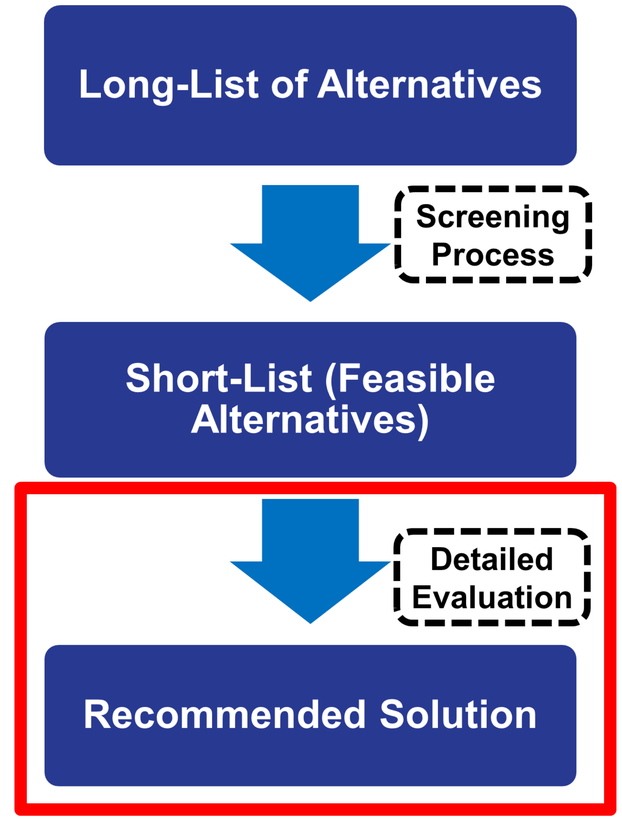
Wastewater Alternatives Detailed Evaluation: Summary of Evaluation

Evaluation Category	Summary of Evaluation
Natural Environment	▪ A is expected to have least impact to vegetation and wildlife as expansion is limited to existing sites and facilities ▪ Neither A or B is expected to impact groundwater resources ▪ A and B could impact surface water resources (discharge to Humber River) but design will mitigate impacts ▪ B will have greater impact on greenhouse gas emissions (operating two new facilities) than A (upgraded facilities)
Social & Cultural	▪ A will have moderate short-term impacts during construction (increased traffic, noise, dust), B will have greater impact ▪ A will have some long-term community impacts (e.g. increase in local traffic for sludge haulage), B will have greater impact (two new facilities) ▪ B requires further investigation on impact to archeological sites and cultural/heritage features
Jurisdictional /Regulatory	▪ Both can accommodate potential future changes in drinking water quality requirements ▪ B requires land acquisition for new facilities, A may require limited additional land ▪ B requires extensive new permits/approvals, A requires some amended and additional permits/approval
Technical	▪ A requires moderate amounts of construction to upgrade/expand, B requires more to build new infrastructure ▪ B provides greater redundancy than A (new facilities and infrastructure vs expanded) ▪ B requires greater additional operations and maintenance resources (expanded facilities require less additional operations and maintenance) ▪ A maximizes use of existing Water Resource Recovery Facility (WRRF) and Pumping Station, B does not
Economic	▪ A has moderate capital, operations and maintenance, lifecycle and land acquisition costs overall ▪ B has high capital, operations and maintenance, lifecyle and land acquisition costs overall

Wastewater Alternatives Detailed Evaluation: Highest Ranked Alternative - Alternative A

Evaluation Category	Summary of Evaluation
Natural Environment	A ranked highest overall as impacts are limited to upgraded existing sites, mitigating impacts to aquatic/terrestrial vegetation and wildlife, as well as greenhouse gas emissions.
Social & Cultural	A ranked highest overall as impacts are limited to upgraded existing sites. This mitigates short-term construction impacts and minimizes potential impacts to archeological sites and cultural/heritage features. No significant long-term impacts expected.
Jurisdictional /Regulatory	A ranked highest as it requires limited land acquisition and fewer permits/approvals.
Technical	A ranked highest overall due to its ability to maximize the use of existing infrastructure and limit additional operations and maintenance resource requirements.
Economic	A ranked highest overall due to its lower capital, lifecycle and land acquisition costs.
Overall	**A ranked highest overall, ranking 1st in 5 of the 5 evaluation categories.**

Evaluation Process



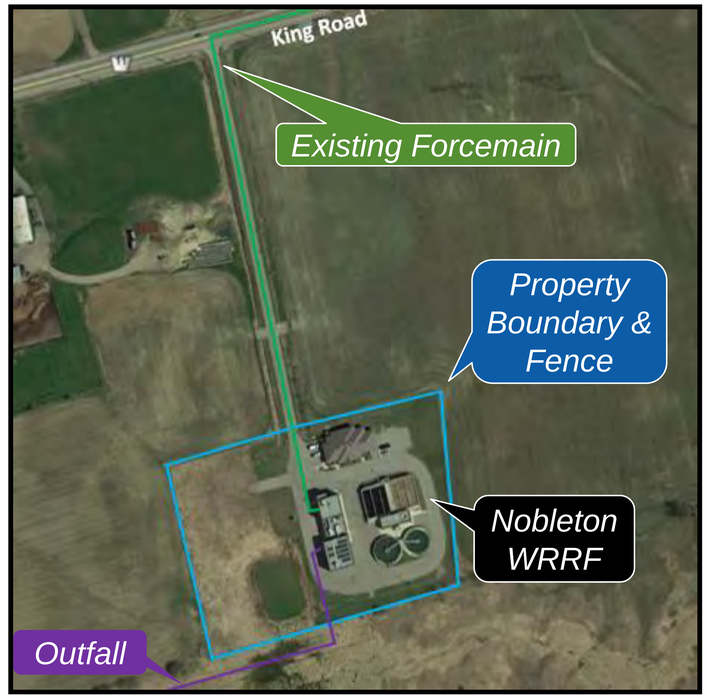
Recommended Wastewater Servicing Solution

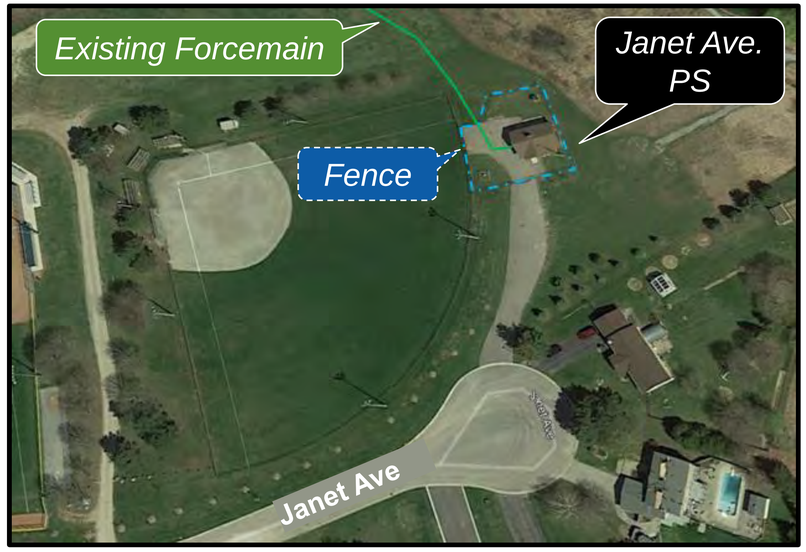
Evaluation has identified the recommended wastewater servicing solution

Wastewater Servicing Alternative A

- Expand and Upgrade the Existing Nobleton Water Resource Recovery Facility (WRRF) and outfall
  - Facility upgrades to be confined to existing site

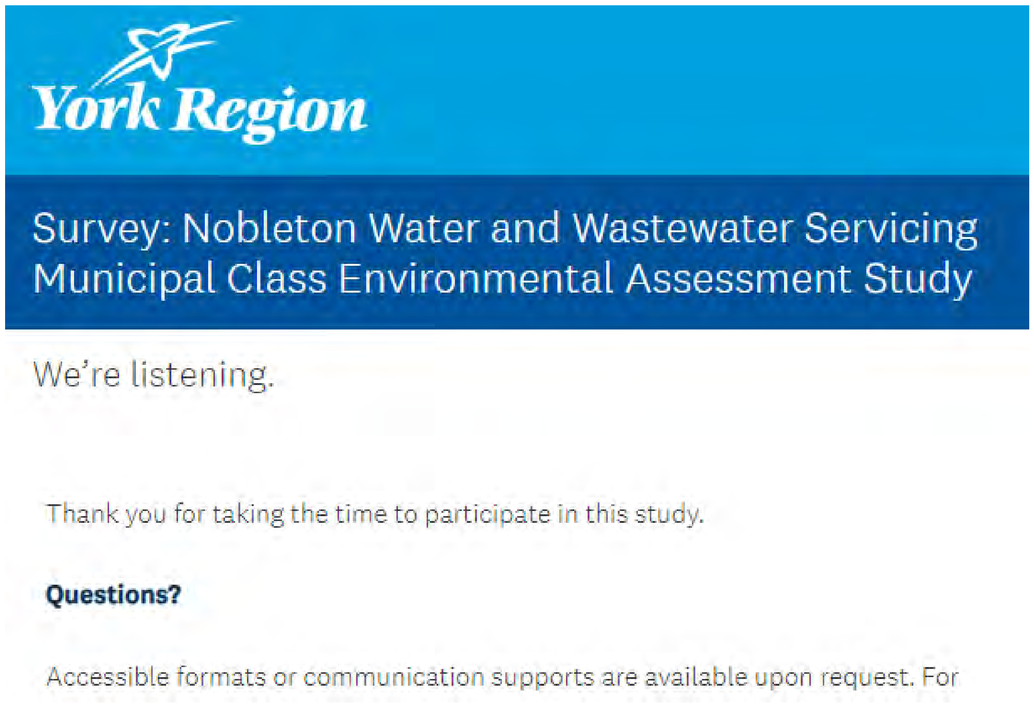
- Expand and Upgrade the Existing Janet Avenue Pumping Station and forcemain
  - Located on same site as existing Janet Avenue Pumping Station
  - Forcemain to be twinned or replaced from Janet Pumping Station to Nobleton WRRF





What's Next? Share your thoughts – we're listening.

- To provide your feedback, complete the survey. Survey can be accessed at **york.ca/nobletonea.**
- Stay informed and sign up for project updates by visiting our project webpage **york.ca/nobletonea.**
- Please complete the survey by **Friday December 11th, 2020.**


York Region

Survey: Nobleton Water and Wastewater Servicing Municipal Class Environmental Assessment Study

We're listening.

Thank you for taking the time to participate in this study.

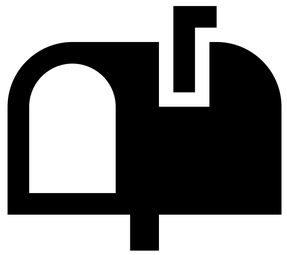
Questions?

Accessible formats or communication supports are available upon request. For

What's Next? Share your thoughts – we're listening.

Please contact us if you are unable to access the online survey.

afshin.naseri@york.ca



Afshin Naseri, P. Eng.
Senior Project Manager
Environmental Services
The Regional Municipality of York
17250 Yonge Street
Newmarket, Ontario L3Y 6Z1

Afshin Naseri, P. Eng.
Senior Project Manager
Environmental Services
The Regional Municipality of York
17250 Yonge Street
Newmarket, Ontario L3Y 6Z1
afshin.naseri@york.ca
1-877-464-9675 ext. 75062
Fax 905-830-6927

Appendix E – Survey Questions

Open House 2 Survey: Nobleton Water and Wastewater Servicing Municipal Class Environmental Assessment Study

1. Did you attend a live online open house presentation?
2. Do you have any questions or comments on the evaluation process for water servicing?
3. Do you have any comments on the preferred alternative solution for water servicing?
4. Do you have any questions or comments on the evaluation process for wastewater servicing?
5. Do you have any comments on the preferred alternative solution for wastewater servicing?
6. Are there additional issues you would like to see addressed in the next phase?
7. Do you have any additional thoughts or comments about this project?
8. On a scale of 1 (poor) to 5 (excellent), how would you rate the presentation format overall?
9. Please let us know about your experience: What did you like best or find most useful about the presentation, or consultation materials? Did you encounter any technical difficulties with the presentation or consultation materials? Do you have any other feedback or comments for us on the consultation process or format?

Appendix A – Public Consultation Centre Briefing

Municipal Class Environmental Assessment Study:
Water and Wastewater Servicing in the Nobleton Community
Public Consultation Centre (PCC) #2, November 25, 2020
Briefing Summary

The second Public Consultation Centre (PCC) for the Water and Wastewater Servicing Municipal Class Environmental Assessment (EA) for the Nobleton Community was held online on Wednesday, November 25, 2020. It was hosted virtually by York Region via Microsoft Teams Live Events. The PCC was held as a series of three 1-hour long town hall events throughout the day at 10 AM, 2 PM, and 7 PM. Identical presentations were shared at each session. All digital materials were made available online on York Region's website, at www.yorkregion.ca/nobletonea.

The purpose of the Class EA is to identify long-term water and wastewater servicing solutions for the community of Nobleton. The purpose of the PCC was to present the water/wastewater servicing alternatives that were considered, share the evaluation of these alternatives, present the recommended solutions, and obtain public input on the alternatives and proposed solutions. The PCC provided attendees an opportunity to learn more about the project and engage with members of the project team through various means, including:

- Viewing one of three sessions hosted throughout the day which included:
    - Watching a recorded presentation on the evaluation of servicing alternatives and recommended servicing solutions (identical in each session)
    - Participating in a facilitated question and answer period (informed by public questions)
- Completing an online feedback form
- Viewing presentation boards and materials posted online
- Providing feedback directly to York Region's Project Manager

The PCC was attended by approximately 60 participants across all three sessions. Of the 60 participants, most joined via Microsoft Teams Live, and 9 joined via telephone. Municipal staff, consultants, and interested members of the public attended the PCC. No identified members of the media were present.

Questions asked by PCC attendees focused on planning policy, water servicing options, water quality, wastewater servicing, conservation, project costs, development, and further engagement opportunities for the project. Questions surrounding planning policy focused on the Greenbelt Plan and its guidance related to connecting to a lake-based supply for water servicing, and the Oak Ridges Moraine Conservation Plan regarding water regeneration. Questions about water servicing focused on new well locations and potential limitations of the aquifer. Water quality questions pertaining to iron levels of well-based water supply were raised by multiple participants. One participant asked whether recent changes to land uses were included in the project's calculations. Another asked if York Region would be implementing an education campaign to help share the benefits of conservation with the public. A few questions were asked about the overall cost of the EA and construction of the project. One participant asked why new development is frozen until new water supply is provided. Finally, one participant asked when PCC 3 will be held in 2021. These questions were responded to in the PCC sessions, and all feedback was logged for consideration by York Region and the project team.

Appendix E – Survey Questions

Open House 2 Survey: Nobleton Water and Wastewater Servicing Municipal Class Environmental Assessment Study

1. Did you attend a live online open house presentation?
2. Do you have any questions or comments on the evaluation process for water servicing?
3. Do you have any comments on the preferred alternative solution for water servicing?
4. Do you have any questions or comments on the evaluation process for wastewater servicing?
5. Do you have any comments on the preferred alternative solution for wastewater servicing?
6. Are there additional issues you would like to see addressed in the next phase?
7. Do you have any additional thoughts or comments about this project?
8. On a scale of 1 (poor) to 5 (excellent), how would you rate the presentation format overall?
9. Please let us know about your experience: What did you like best or find most useful about the presentation, or consultation materials? Did you encounter any technical difficulties with the presentation or consultation materials? Do you have any other feedback or comments for us on the consultation process or format?

Appendix B – Notice of Open House

NOTICE OF ONLINE OPEN HOUSE #2

Municipal Class Environmental Assessment Study
Water and Wastewater Servicing in the Nobleton Community

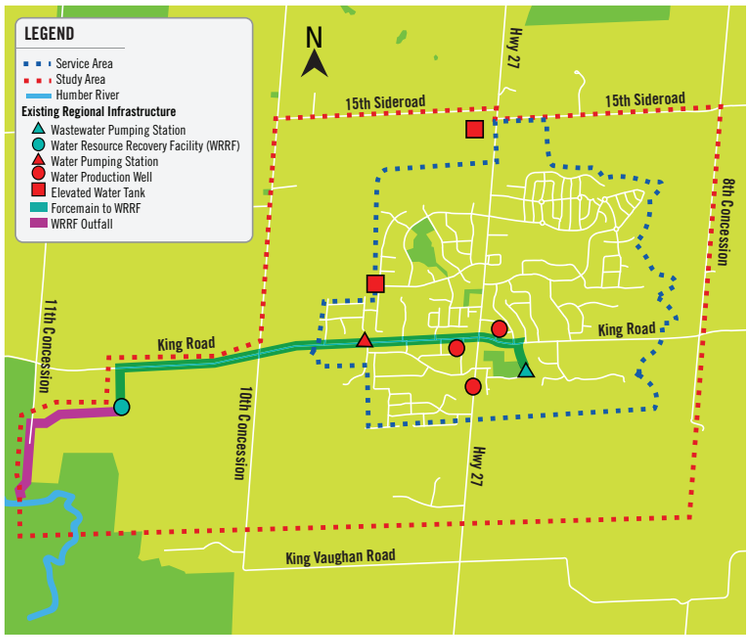
LEARN MORE! HAVE YOUR SAY.

In the Township of King

November 12, 2020

The Regional Municipality of York is identifying long-term water and wastewater servicing options for the Nobleton community through a Schedule C Municipal Class Environmental Assessment (Class EA). The Class EA will support growth in the community and optimize the use of existing Regional infrastructure.

At this time our open house is moving to an online format.



WE WANT TO HEAR FROM YOU!

You are invited to join the online open house to review and comment on:

1. Water and wastewater servicing solutions that were considered
2. Recommended solutions to support forecasted growth in Nobleton

For more information about the study visit **york.ca/nobletonea**

All materials, including information to join the open house will be provided.

ONLINE OPEN HOUSE:

Date: Wednesday, November 25, 2020
Time: Three (3) identical 1-hour sessions
10 a.m., 2 p.m. and 7 p.m.

To join the online open house: **york.ca/nobletonea**
This notice was issued on Thursday, November 12, 2020.

THANK YOU FOR YOUR PARTICIPATION IN THIS STUDY.

If you are unable to join the online open house, you can call 416-764-8658 | Toll Free 888-886-7786 and listen to the session. Please let us know if you require additional accommodations to participate. We will arrange for you to take part in another way. Meeting materials and an accessible version of this notice are available upon request.

York Region's number one priority is protecting the health and safety of staff and all our communities. As we monitor the ongoing COVID-19 situation, York Region is committed to effective engagement and consultation with the public and stakeholders in accordance with the Municipal Class Environmental Assessment process.

To submit questions, comments or to be added to the mailing list, please contact:

Afshin Naseri, P.Eng.
Senior Project Manager, Environmental Services
The Regional Municipality of York
17250 Yonge Street Newmarket, ON L3Y 6Z1
afshin.naseri@york.ca
1-877-464-9675 ext. 75062 Fax: 905-830-6927

York Region

Appendix D – Presentation Slides

Water and Wastewater Servicing in the Nobleton Community

Municipal Class Environmental Assessment Study

Online Open House No. 2

Wednesday, November 25th, 2020
Online Sessions: 10 to 11 a.m.; 2 to 3 p.m.; and 7 to 8 p.m.

York Region

Project Background

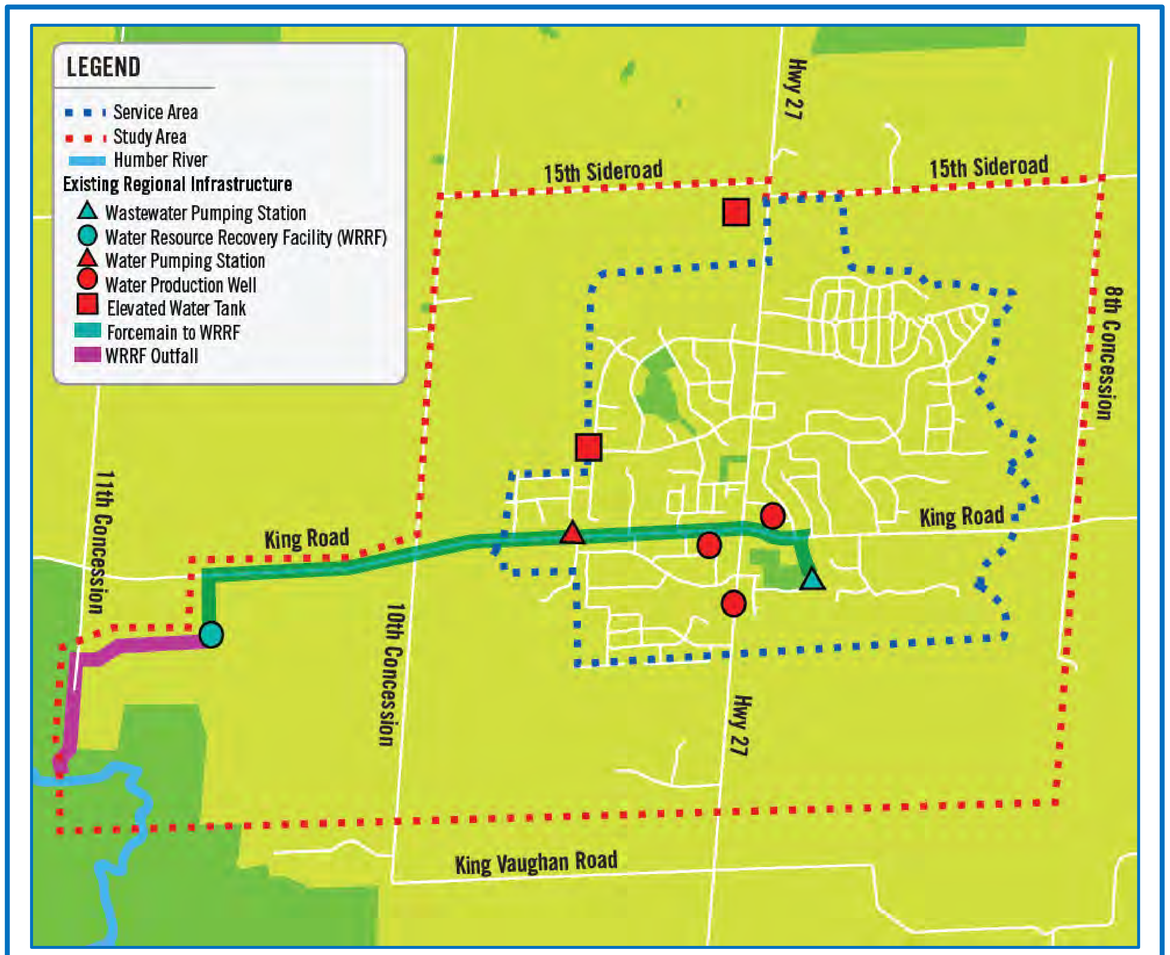
Problem/Opportunity Statement for this Municipal Class Environmental Assessment (Class EA) Study

- To identify **long-term water and wastewater servicing solutions** to support forecasted growth in Nobleton to 2041 while **optimizing the use of existing Regional infrastructure.**

Purpose of this Open House

- Present the **alternatives considered**
- Share the **evaluation of alternatives**
- Share the **recommended solutions**
- **Obtain your input**

We want to hear from you!



Study Area and Service Area

Service Area: *Community of Nobleton boundary including current and planned service areas*

Study Area: *All serviced area plus an assessment of potentially impacted lands due to new infrastructure requirements*

Schedule C Municipal Class Environmental Assessment Study Process

Before EA Technical Studies

Phase 1 Problem or Opportunity

- Identify the problem or opportunity
- **Conduct public consultation**

Public Open House #1 February 2019

Phase 2 Alternative Solutions

- Identify and evaluate alternative solutions to problem
- **Conduct public consultation**
- Select recommended solution

Online Open House #2

We are here

Phase 3 Alternative Designs

- Identify and evaluate alternative designs for the recommended solution
- **Conduct public consultation**
- Select preferred design

Open House #3

Phase 4 Environmental Study Report

- Complete Environmental Study Report
- Post report for 30 day public and agency review period

Public Review Period

Project Timeline

Stay informed throughout the study process by visiting the York Region EA Website (**york.ca/nobletonea**).

We are here

November 2018
Notice of Commencement

February 2019
Open House #1

November 2020
Open House #2

Summer 2021
Open House #3

Winter 2021
Environmental Study Report & Notice of Study Completion

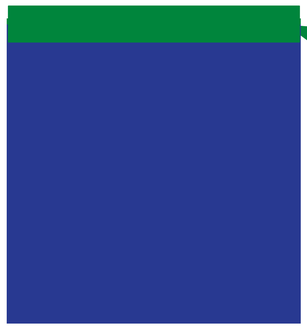
Nobleton Water System: Needs Assessment

STORAGE

Current Storage
3,845 m^3

to

Target Storage
3,917 m^3



Minor increase in storage required to meet growth

GROUNDWATER SUPPLY

Current Supply
51.6 L/s

to

Target Supply
89.5 L/s

Significant increase in supply required to meet growth

Nobleton Wastewater System: Needs Assessment

WATER RESOURCE RECOVERY FACILITY (WRRF)

FLOW TRANSFER (PUMP STATION & PIPES)

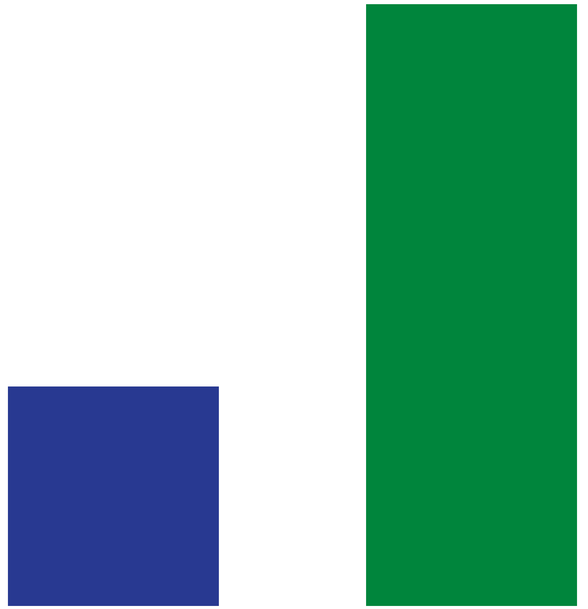
HUMBER RIVER (RECEIVING WATER)

Average Day Flow

2,925 m^3/d to 3,996 m^3/d

Peak Flow

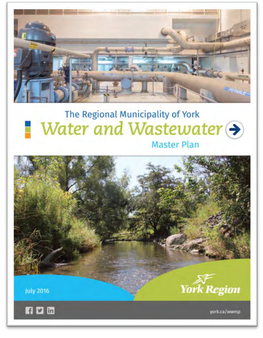
9,177 m^3/d to 25,174 m^3/d



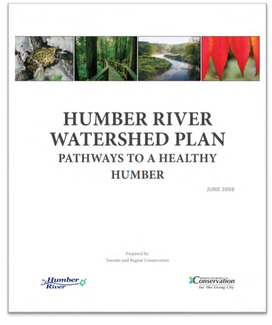
Plans for Consideration

This Class EA must also consider input from various existing documents.

Places to Grow

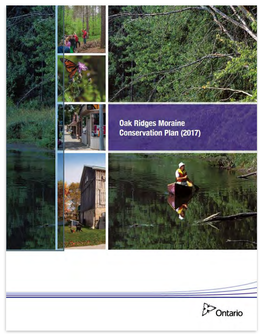


York Region's 2016 Water and Wastewater Master Plan

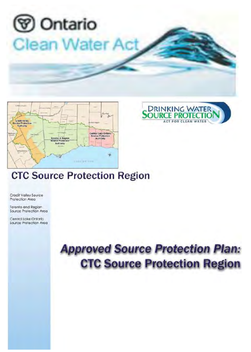


Humber River Watershed Plan

King Township Official Plan (Draft)

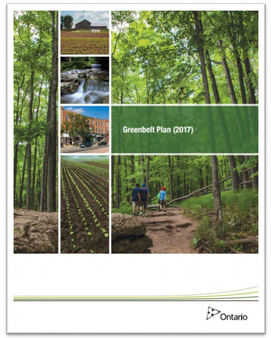


Oak Ridges Moraine Conservation Plan

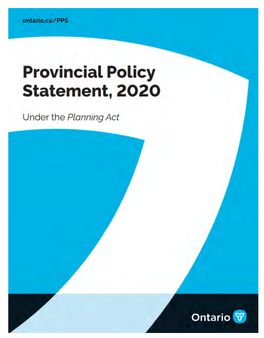


Clean Water Act / Source Protection Plan

York Region's 2010 Official Plan



Greenbelt Plan



Provincial Policy Statement

Technical Studies

Natural Environment Impact Assessment

- Identification of natural features (wetlands, forests, species at risk, etc.)

Hydrogeological Assessment

- Review of groundwater conditions in the Study Area (existing wells, groundwater levels, etc.)

Cultural Heritage Resource Assessment

- Review of cultural heritage resources in the Study Area

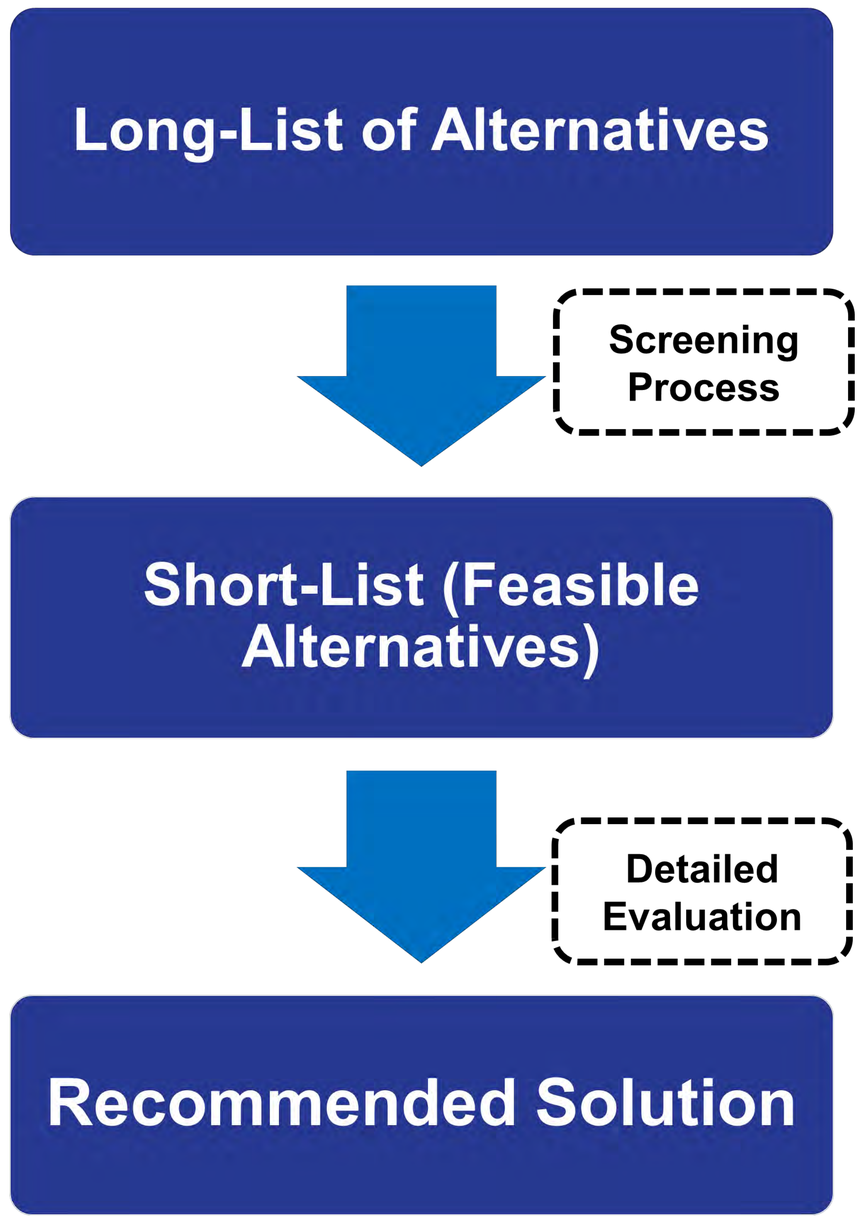
Archaeological Assessment

- Review of potential archaeological resources in the Study Area

Geotechnical Assessment

- Assessment of subsurface soil conditions

Evaluation Process



Screening Long-List of Alternative Water Supply Solutions

Solutions Considered to Address Water Supply Needs	Long-List of Alternative Water Supply Solutions Screening Summary	Screening Status
1. Do Nothing - Permit Growth Without Increasing Capacity	▪ Unable to provide supply to meet forecasted growth ▪ Carried forward for comparative purposes only	**Fail**
2. Limit Growth Up To Existing Capacity	▪ Unable to provide supply to meet forecasted growth	**Fail**
3. Encourage Water Conservation To Reduce Usage	▪ Unable to provide supply to meet forecasted growth ▪ Recommended conservation be carried forward as separate ongoing program to help reduce water supply needs	**Fail**
4. Increase Capacity of Existing Wells (Well #2, #3 and/or #5)	▪ Unable to increase capacity enough to provide enough supply to meet forecasted growth	**Fail**
5. Increase Capacity of Existing Well #2 and Add a New Production Well	▪ Able to provide supply to meet forecasted growth while meeting existing and proposed regulations, plans and policies	**Pass**
6. Increase Capacity with Two New Production Wells	▪ Able to provide supply to meet forecasted growth while meeting existing and proposed regulations, plans and policies	**Pass**
7. Develop a Blended System with the Addition of a Lake-Based Water Supply Connection to the Existing Wells	▪ Able to provide supply to meet forecasted growth ▪ Carried forward conditionally. The province's long-term plan, A Place to Grow, only allows the addition of a lake-based supply connection if well supply cannot meet the necessary quality or quantity requirements.	**Conditional Pass**
8. New Water Supply Source from Humber River	▪ Unable to provide sufficient supply from Humber River to meet forecasted growth	**Fail**

Short-List of Alternative Water Supply Solutions

Three alternatives passed the screening process and were selected for detailed evaluation:

1) Supply Alternative A

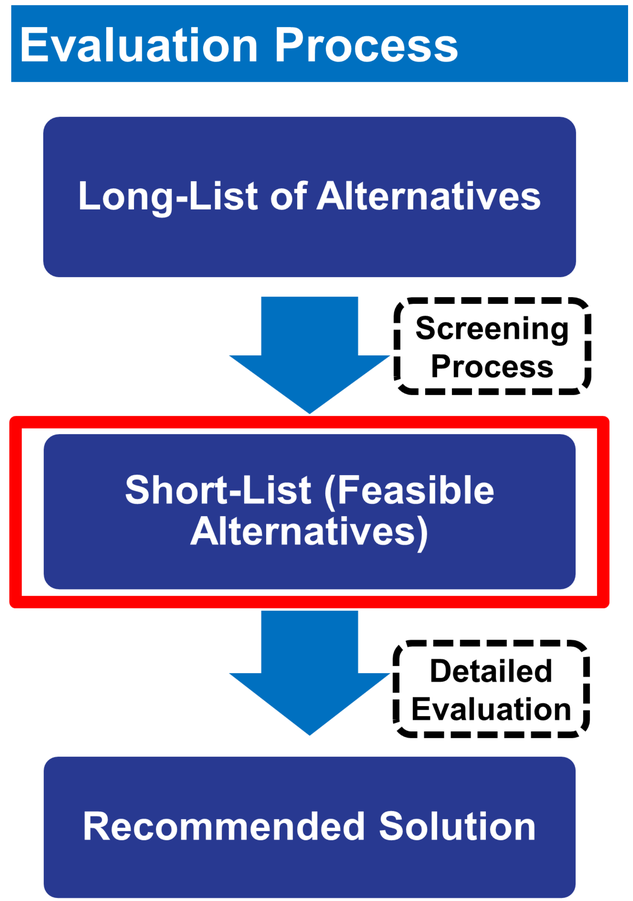
- Increase Capacity of Existing Well #2 and Add a New Production Well

2) Supply Alternative B

- Increase Capacity with Two New Production Wells

3) Supply Alternative C

- Develop a Blended System with the Addition of a Lake-Based Water Supply Connection to the Existing Wells



Water Supply Alternatives (Well Sites Considered)

Eight potential new well sites were narrowed down to two, Site F and Site H. Sites were narrowed down to those that would provide the best potential groundwater supply, make the most sense logistically, be simplest to implement and best meet all applicable policies and regulations. This led to the following water supply sub-alternatives:

1) Supply Alternative A1:

- Increase Capacity at Existing Well #2
- Add New Well at Site F

2) Supply Alternative A2:

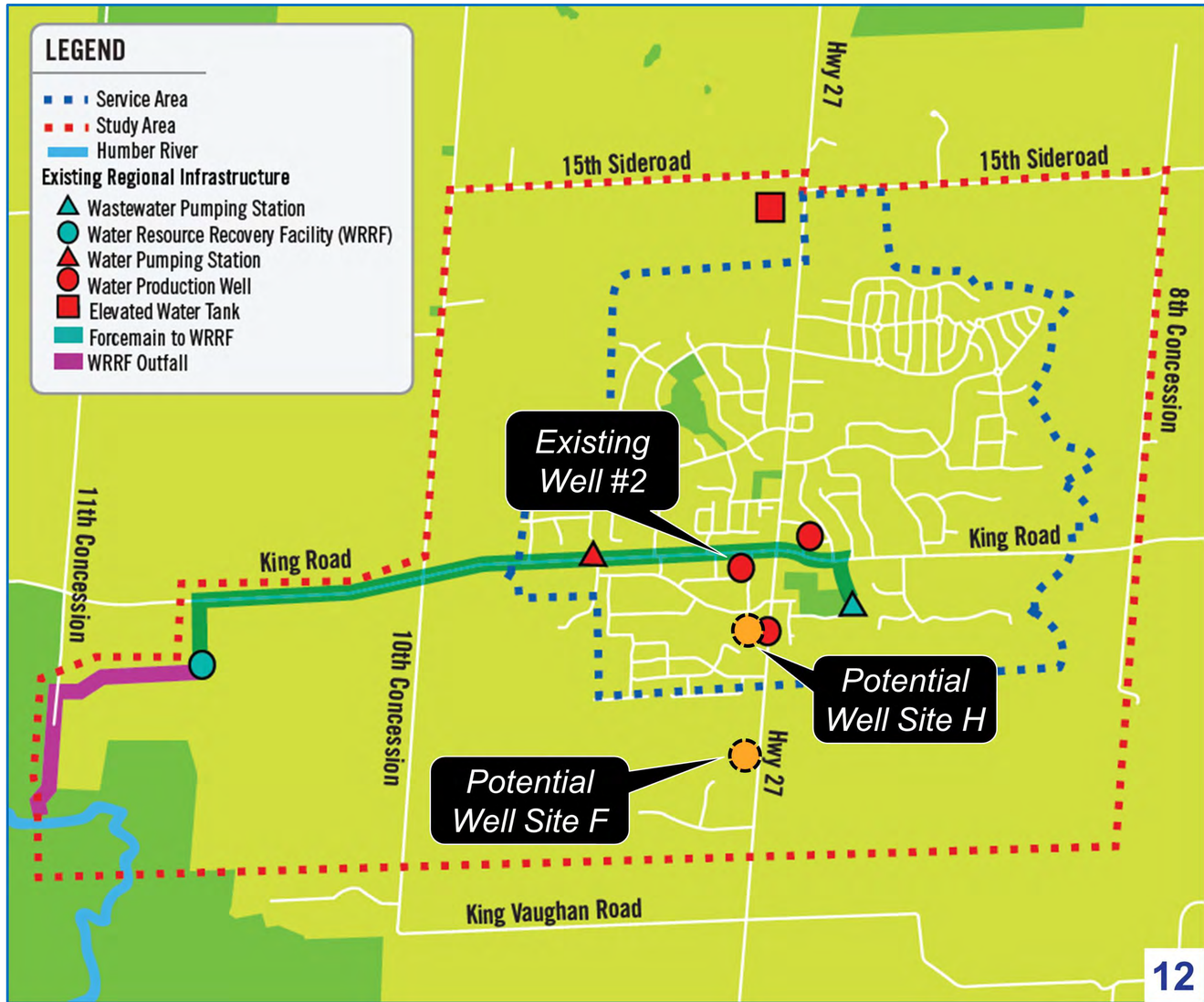
- Increase Capacity at Existing Well #2
- Add New Well at Site H

3) Supply Alternative B:

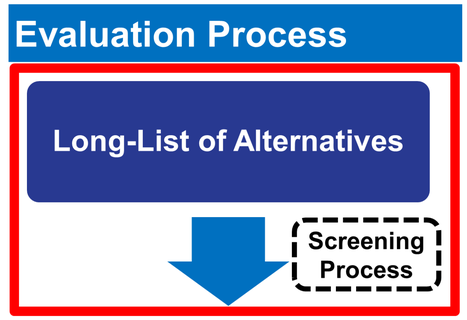
- Add New Well at Site F
- Add New Well at Site H

4) Supply Alternative C:

- No change to wells
- Add Lake-Based Supply



Screening Long-List of Alternative Water Storage Solutions



Solutions Considered to Address Water Supply Needs	Long-List of Alternative Water Supply Solutions Screening Summary	Screening Status
1. **Do Nothing - Permit Growth Without Increasing Capacity**	▪ Unable to provide storage capacity to meet forecasted growth ▪ Carried forward for comparative purposes only	**Fail**
2. **Limit Growth Up To Existing Capacity**	▪ Unable to provide storage capacity to meet forecasted growth	**Fail**
3. **Encourage Water Conservation To Reduce Usage**	▪ Unable to provide storage capacity to meet forecasted growth ▪ Recommended conservation be carried forward as part of overall servicing strategy	**Fail**
4. **Modify Existing Design Guidelines' Storage Requirements**	▪ Does not meet existing Design Guidelines and there is not enough evidence to support modification of Guidelines	**Fail**
5. **New Storage Facility (Replace Existing Nobleton South Elevated Tank Storage Facility With Bigger Storage Facility)**	▪ Able to provide storage capacity to meet forecasted growth while meeting existing and proposed regulations, plans and policies	**Pass**
6. **Increase Overall Well Supply to Avoid New Storage**	▪ Able to provide storage capacity to meet forecasted growth while meeting existing and proposed regulations, plans and policies	**Pass**

Short-List of Alternative Water Storage Solutions

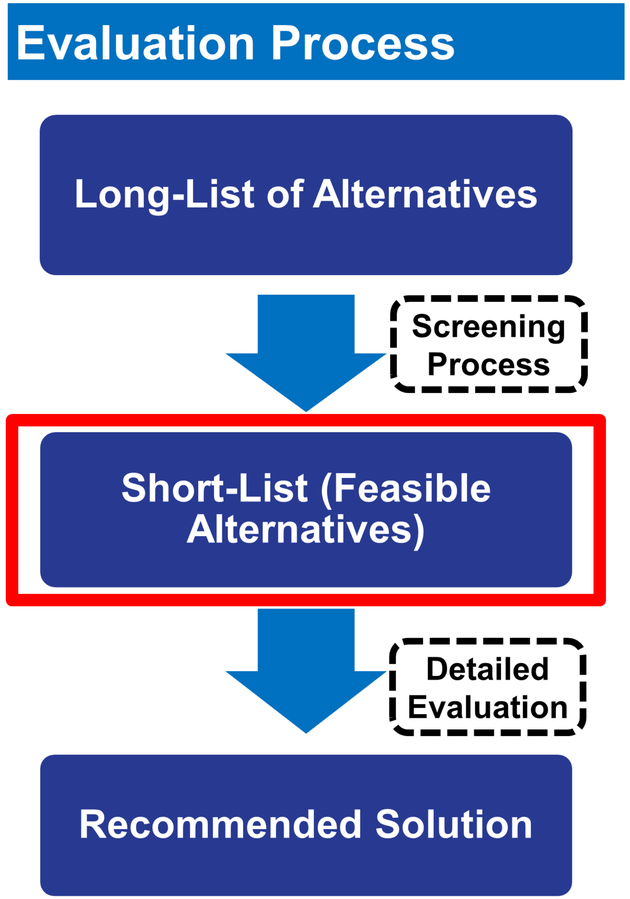
Two alternatives passed the screening process and were selected for detailed evaluation:

1) Storage Alternative A

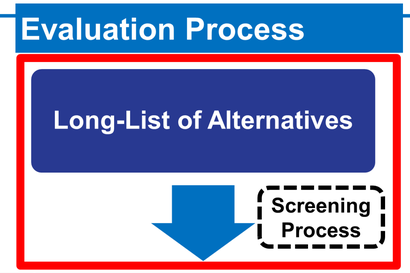
- Add New Storage Facility (Replace Existing Nobleton South Elevated Tank Storage Facility With Bigger Storage Facility)

2) Storage Alternative B

- Increase Overall Well Supply to Avoid New Storage



Screening Long-List of Alternative Wastewater Servicing Solutions



Solutions Considered to Address Water Supply Needs	Long-List of Alternative Water Supply Solutions Screening Summary	Screening Status
1. Do Nothing - Permit Growth Without Increasing Capacity	▪ Unable to provide wastewater capacity to meet forecasted growth ▪ Carried forward for comparative purposes only	**Fail**
2. Limit Growth Up To Existing Capacity	▪ Unable to provide wastewater capacity to meet forecasted growth	**Fail**
3. Reduce Inflow and Infiltration	▪ Unable to provide wastewater capacity to meet forecasted growth ▪ Recommended inflow/infiltration reduction be carried forward as part of overall servicing strategy to help reduce future infrastructure requirements	**Fail**
4. Expand and Upgrade the Existing Janet Avenue Pumping Station, Forcemain and Nobleton Water Resource Recovery Facility (WRRF) and Outfall	▪ Able to provide wastewater capacity to meet forecasted growth while meeting existing and proposed regulations, plans and policies	**Pass**
5. Construct a New Pumping Station, Forcemain and New Water Resource Recovery Facility (WRRF) and Outfall	▪ Able to provide wastewater capacity to meet forecasted growth while meeting existing and proposed regulations, plans and policies	**Pass**
6. Convey Additional Flows to Neighbouring Water Resource Recovery Facilities	▪ Able to provide wastewater capacity to meet forecasted growth ▪ Does not meet requirements of Greenbelt Plan and inconsistent with recommendations of York Region Water and Wastewater Master Plan	**Fail**
7. Convey All Flows to Lake-based Treatment Systems	▪ Able to provide wastewater capacity to meet forecasted growth ▪ Does not meet requirements of Greenbelt Plan and inconsistent with recommendations of York Region Water and Wastewater Master Plan	**Fail**
8. Maintain Existing and Convey Additional Flows to Lake-based Treatment Facilities	▪ Able to provide wastewater capacity to meet forecasted growth ▪ Does not meet requirements of Greenbelt Plan and inconsistent with recommendations of York Region Water and Wastewater Master Plan	**Fail**

Short-List of Alternative Wastewater Servicing Solutions

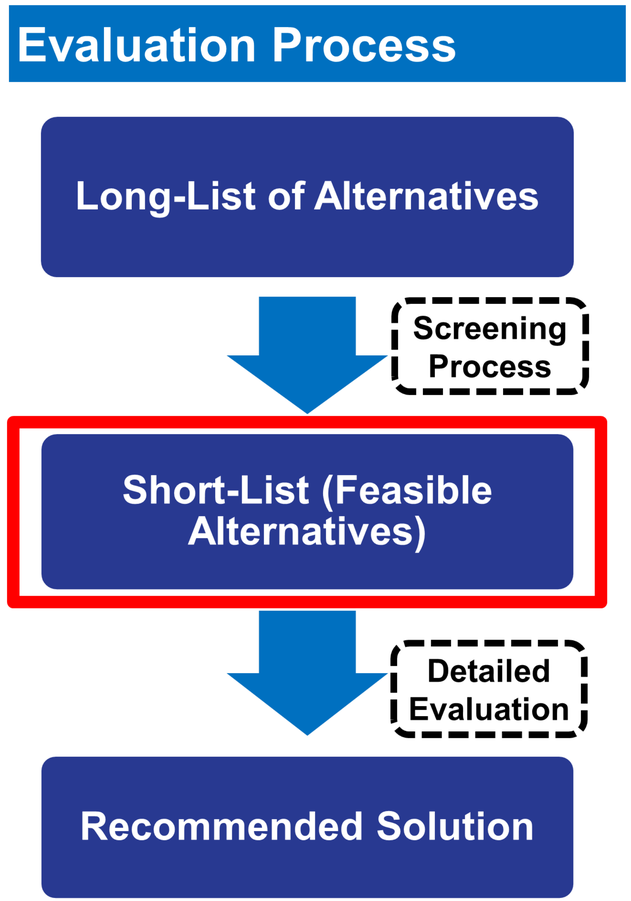
Two alternatives passed the screening process and were selected for detailed evaluation:

1) Wastewater Servicing Alternative A

- Expand and Upgrade the Existing Janet Avenue Pumping Station, Forcemain and Nobleton Water Resource Recovery Facility (WRRF) and outfall

2) Wastewater Servicing Alternative B

- Construct a New Pumping Station, Forcemain and New Water Resource Recovery Facility (WRRF) and outfall



Alternative Solutions Evaluation Criteria

When evaluating possible water and wastewater servicing solutions, a broad range of criteria were considered. Criteria were refined based on feedback obtained during Open House #1.

Natural Environment

- Aquatic Vegetation and Wildlife
- Terrestrial Vegetation and Wildlife
- Groundwater Resources
- Surface Water Resources
- Greenhouse Gas Emissions

Social & Cultural

- Short-term Community Impacts
- Long-term Community Impact
- Archaeological Sites
- Cultural/Heritage Features

Jurisdictional / Regulatory

- Land Requirements
- Ability to Accommodate Potential Future Regulatory Changes
- Permits and Approval

Technical

- Constructability
- Redundancy of Supply/Service
- Resilience to Climate Change
- Operations and Maintenance Requirements
- Adaptability to Existing Infrastructure
- Maximizing Use of Existing Infrastructure

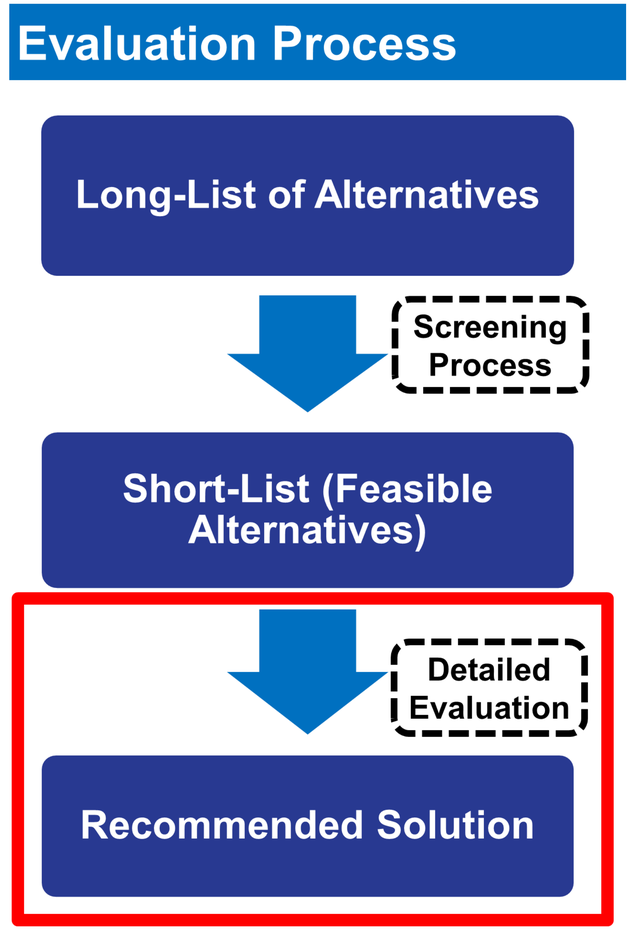
Economic

- Capital Cost
- Lifecycle Cost
- Land Acquisition Cost

Water Supply Alternatives Detailed Evaluation

Evaluation Category	Do Nothing Permit Growth Without Increasing Capacity	Supply A1: Increase Capacity of Existing Well #2 in Combination with New Production Well at Site F	Supply A2: Increase Capacity of Existing Well #2 in Combination with New Production Well at Site H	Supply B: Increase Capacity with Two New Production Wells	Supply C: Develop Blended System with Addition of Lake-Based Connection to Existing Wells
Natural Environment	🟢	🟡	🟡	🟡	🔴
Social & Cultural	🟢	🟡	🟢	🟡	🔴
Jurisdictional /Regulatory	🟡	🟡	🟢	🟡	🔴
Technical	🔴	🟡	🟢	🟡	🔴
Economic	🟢	🟡	🟢	🟡	🔴
Overall Rank	Not Applicable	2	**1**	3	4

Evaluation Process



Scoring Description

- 🟢 Low Impact / Most Preferred
- 🟡 Moderate Impact
- 🔴 Most Impact / Least Preferred

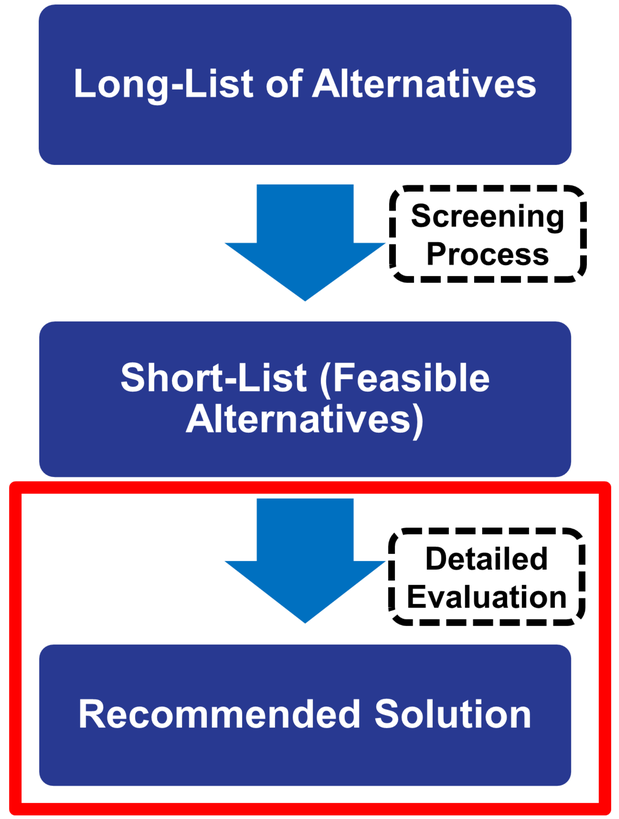
Water Supply Alternatives Detailed Evaluation: Summary of Evaluation

Evaluation Category	Summary of Evaluation
Natural Environment	▪ A1, A2 and B will have low/moderate impact to vegetation and wildlife and moderate greenhouse gas emissions ▪ C will have moderate to significant impact to vegetation and wildlife and high greenhouse gas emissions ▪ A1, A2 or B will have greater impact to groundwater resources than C, but not considered significantly greater
Social & Cultural	▪ All will have some short-term impacts during construction (increased traffic, noise, dust), C will have the greatest ▪ A1, B and C will have short-term impacts on traffic along Highway 27, C will have the most significant impacts ▪ A1, A2 and B have moderate long-term community impacts (water aesthetics, requires wellhead protection areas) ▪ A1, A2 and B have no impact on cultural or heritage features, C has some risk of impact
Jurisdictional /Regulatory	▪ All can accommodate potential future changes in drinking water quality requirements ▪ C crosses Greenbelt Plan's "Protected Countryside" making approvals difficult ▪ A1, B and C require land acquisition
Technical	▪ C provides best system redundancy (two sources) but requires the most construction and all new infrastructure ▪ A1, A2 and B will provide the required system redundancy ▪ A1 and A2 maximize use of existing Well Site #2, A2 also maximizes facility at Well Site #5 ▪ A1 and A2 require least operations and maintenance resources, B requires more (2 sites), C requires most (new water supply system)
Economic	▪ A2 has the lowest capital cost, A1 and B are moderate and C has the highest capital cost ▪ A1 and A2 have lowest overall total lifecycle cost, B is moderate and C is the highest ▪ A1, B and C all require land acquisition cost

Water Supply Alternatives Detailed Evaluation: Highest Ranked Alternative - Alternative A2

Evaluation Category	Summary of Evaluation
Natural Environment	A2 (along with A1 and B) ranked highest overall as they have least impact to aquatic/terrestrial vegetation and wildlife, surface water and groundwater resources and greenhouse gas emissions overall.
Social & Cultural	A2 ranked highest overall as construction is confined to existing sites, minimizing short- and long-term impacts, and has no impact to cultural or heritage features.
Jurisdictional /Regulatory	A2 ranked highest overall as it can accommodate potential future changes in drinking water quality requirements, is less challenging to approve than C and does not require land acquisition.
Technical	A2 ranked highest overall as it requires the least amount of construction, maximizing use of existing sites and facilities, minimizes the additional operations and maintenance resources required and avoids traffic impacts to Highway 27 during construction.
Economic	A2 ranked highest overall as it has no land acquisition cost, lowest capital cost and lowest overall lifecycle cost
Overall	**A2 ranked highest overall, ranking 1st in 4 of the 5 evaluation categories and tied with A1 and B in the 5th category.**

Evaluation Process



Water Storage Alternatives Detailed Evaluation

Evaluation Category	Do Nothing: Permit Growth Without Increasing Capacity	Storage A: New Storage Facility (Replace Existing Nobleton South Elevated Tank Storage Facility With Bigger Storage Facility)	Storage B: Increase Overall Well Supply to Avoid New Storage
Natural Environment	🟢	🟢	🟢
Social & Cultural	🟢	🟢	🟢
Jurisdictional /Regulatory	🟡	🟡	🟢
Technical	🔴	🟡	🟢
Economic	🟢	🔴	🟡
Overall Rank	Not Applicable	2	**1**

Evaluation Process

- Long-List of Alternatives
- ↓ Screening Process
- Short-List (Feasible Alternatives)
- ↓ Detailed Evaluation
- Recommended Solution

Scoring Description

- 🟢 Low Impact / Most Preferred
- 🟡 Moderate Impact
- 🔴 Most Impact / Least Preferred

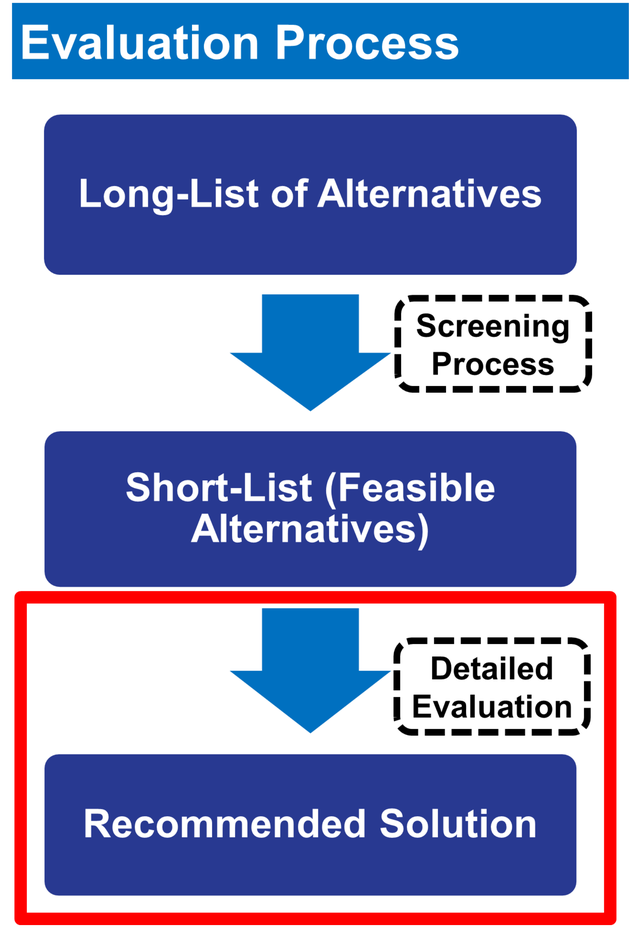
Water Storage Alternatives Detailed Evaluation: Summary of Evaluation

Evaluation Category	Summary of Evaluation
Natural Environment	▪ A and B will have low or no significant impact to vegetation and wildlife, and surface water resources and greenhouse gas emissions ▪ B will require minimally greater use of groundwater resources than A (increase overall well supply versus new storage) but neither has significant impact on existing resources
Social & Cultural	▪ Both will have some short-term impacts during construction (increased traffic, noise, dust), A will have greater impact due to construction of new storage facility ▪ Neither will have significant long-term community impacts or impact to cultural or heritage features
Jurisdictional /Regulatory	▪ Both can accommodate potential future changes in drinking water quality requirements ▪ A requires more approvals than B ▪ A may require some land acquisition
Technical	▪ A requires the most construction ▪ Both provide redundancy, through greater storage (A) and greater supply (B) ▪ Neither has significant impact to operations and maintenance resources required ▪ B maximizes use of existing infrastructure whereas A replaces existing functional storage facility
Economic	▪ A has higher capital and lifecycle cost than B ▪ A may require some land acquisition costs

Water Storage Alternatives Detailed Evaluation: Highest Ranked Alternative - Alternative B

Evaluation Category	Summary of Evaluation
Natural Environment	B and A ranked equally, as neither has significant impact on aquatic/terrestrial vegetation and wildlife, surface water and groundwater resources, or greenhouse gas emissions.
Social & Cultural	B and A ranked equally, with B being marginally better than A due to short-term impacts associated with construction of new tank. Overall, A and B have similarly minimal Social & Cultural impacts.
Jurisdictional /Regulatory	B ranked highest overall with no additional land acquisition and fewer approval requirements.
Technical	B ranked highest overall due to its ability to maximize the use of existing infrastructure while avoiding unnecessary new assets. This results in less construction, minimizing potential impacts.
Economic	B ranked highest overall due to its lower capital, lifecycle and land acquisition costs. B maximizes investment in existing infrastructure (storage facility) while only marginally increasing cost of well supply.
Overall	**B ranked highest overall, ranking 1st in 3 of the 5 evaluation categories and ranking equally to A in the two other categories.**

Evaluation Process



Recommended Water Servicing Solutions

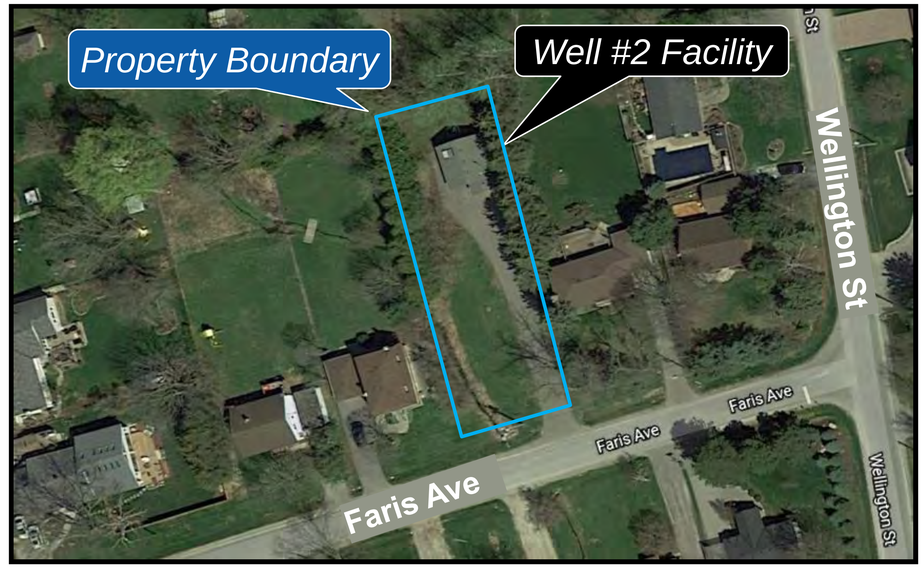
Evaluation has identified the recommended water supply and storage solutions

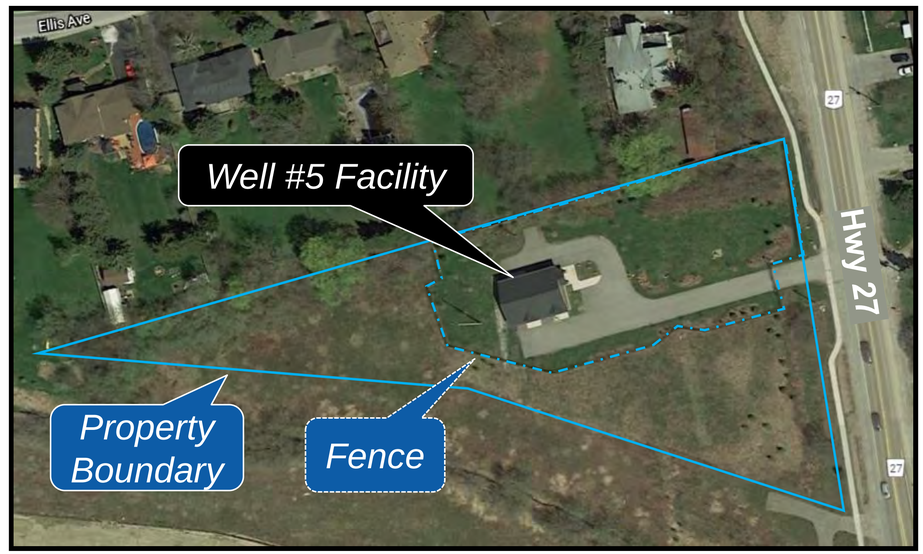
Water Supply Alternative A2

- Increase Capacity at Existing Well #2
  - Upgrades to facility to be confined to existing site
- Add New Well Supply at Site H
  - Located on same site as Existing Well #5

Water Storage Alternative B

- Increase Overall Well Supply to Avoid New Storage





Wastewater Alternatives Detailed Evaluation

Evaluation Category	Do Nothing: Permit Growth Without Increasing Capacity	Wastewater A: Expand and Upgrade the Existing Janet Avenue Pumping Station, Forcemain and Nobleton WRRF and Outfall	Wastewater B: Construct a New Pumping Station, Forcemain and WRRF and Outfall
Natural Environment	🟢	🟢	🟡
Social & Cultural	🟢	🟢	🟡
Jurisdictional /Regulatory	🟡	🟢	🟡
Technical	🔴	🟡	🔴
Economic	🟢	🟢	🟡
Overall Rank	Not Applicable	**1**	2

Evaluation Process

- Long-List of Alternatives
- ↓ Screening Process
- Short-List (Feasible Alternatives)
- ↓ Detailed Evaluation
- Recommended Solution

Scoring Description

- 🟢 Low Impact / Most Preferred
- 🟡 Moderate Impact
- 🔴 Most Impact / Least Preferred

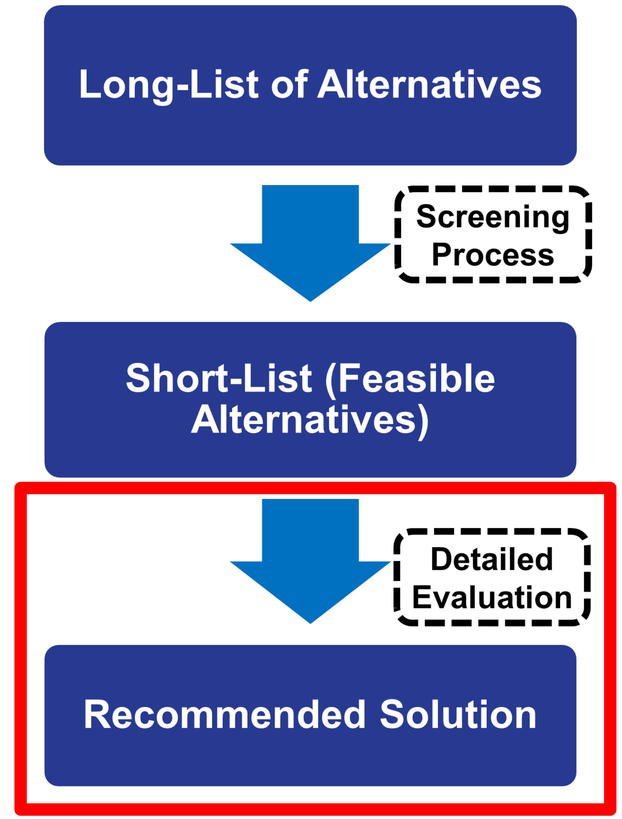
Wastewater Alternatives Detailed Evaluation: Summary of Evaluation

Evaluation Category	Summary of Evaluation
Natural Environment	▪ A is expected to have least impact to vegetation and wildlife as expansion is limited to existing sites and facilities ▪ Neither A or B is expected to impact groundwater resources ▪ A and B could impact surface water resources (discharge to Humber River) but design will mitigate impacts ▪ B will have greater impact on greenhouse gas emissions (operating two new facilities) than A (upgraded facilities)
Social & Cultural	▪ A will have moderate short-term impacts during construction (increased traffic, noise, dust), B will have greater impact ▪ A will have some long-term community impacts (e.g. increase in local traffic for sludge haulage), B will have greater impact (two new facilities) ▪ B requires further investigation on impact to archeological sites and cultural/heritage features
Jurisdictional /Regulatory	▪ Both can accommodate potential future changes in drinking water quality requirements ▪ B requires land acquisition for new facilities, A may require limited additional land ▪ B requires extensive new permits/approvals, A requires some amended and additional permits/approval
Technical	▪ A requires moderate amounts of construction to upgrade/expand, B requires more to build new infrastructure ▪ B provides greater redundancy than A (new facilities and infrastructure vs expanded) ▪ B requires greater additional operations and maintenance resources (expanded facilities require less additional operations and maintenance) ▪ A maximizes use of existing Water Resource Recovery Facility (WRRF) and Pumping Station, B does not
Economic	▪ A has moderate capital, operations and maintenance, lifecycle and land acquisition costs overall ▪ B has high capital, operations and maintenance, lifecyle and land acquisition costs overall

Wastewater Alternatives Detailed Evaluation: Highest Ranked Alternative - Alternative A

Evaluation Category	Summary of Evaluation
Natural Environment	A ranked highest overall as impacts are limited to upgraded existing sites, mitigating impacts to aquatic/terrestrial vegetation and wildlife, as well as greenhouse gas emissions.
Social & Cultural	A ranked highest overall as impacts are limited to upgraded existing sites. This mitigates short-term construction impacts and minimizes potential impacts to archeological sites and cultural/heritage features. No significant long-term impacts expected.
Jurisdictional /Regulatory	A ranked highest as it requires limited land acquisition and fewer permits/approvals.
Technical	A ranked highest overall due to its ability to maximize the use of existing infrastructure and limit additional operations and maintenance resource requirements.
Economic	A ranked highest overall due to its lower capital, lifecycle and land acquisition costs.
Overall	**A ranked highest overall, ranking 1st in 5 of the 5 evaluation categories.**

Evaluation Process



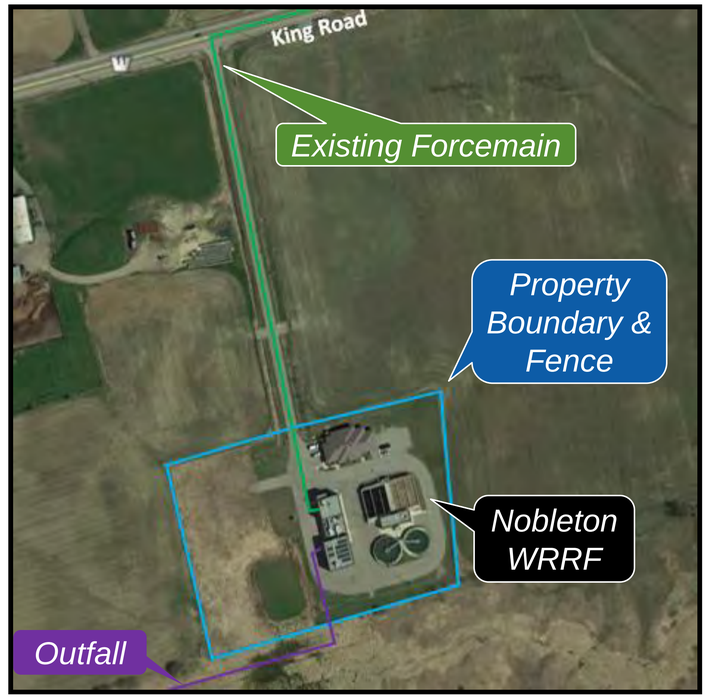
Recommended Wastewater Servicing Solution

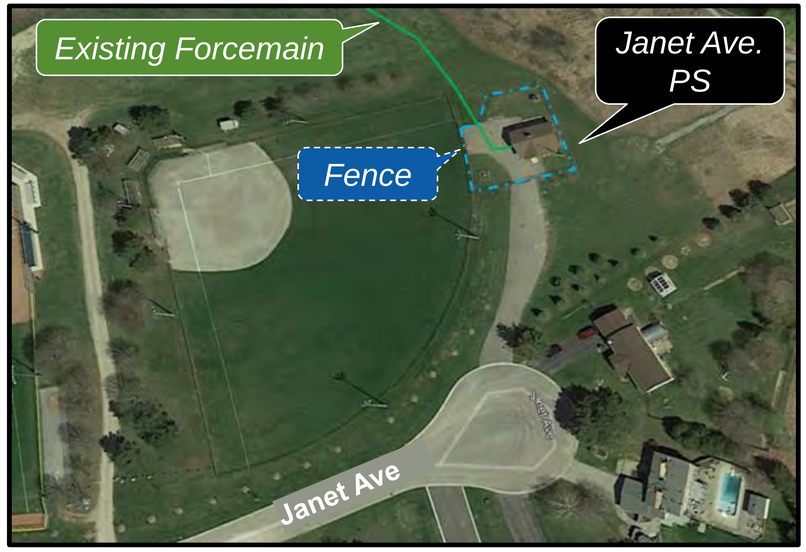
Evaluation has identified the recommended wastewater servicing solution

Wastewater Servicing Alternative A

- Expand and Upgrade the Existing Nobleton Water Resource Recovery Facility (WRRF) and outfall
  - Facility upgrades to be confined to existing site

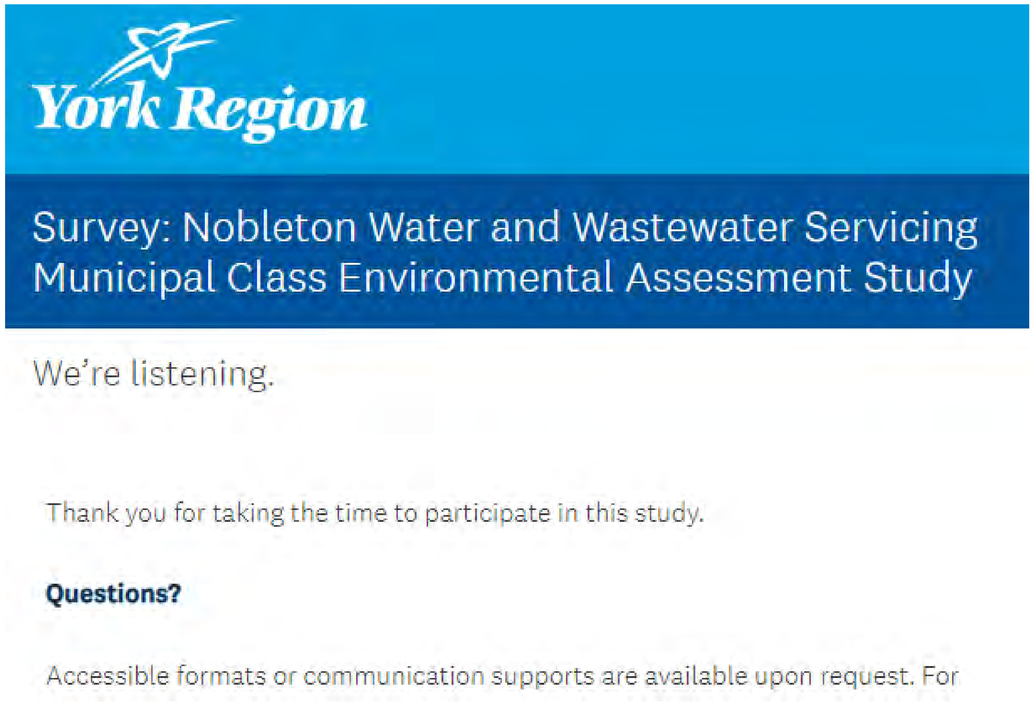
- Expand and Upgrade the Existing Janet Avenue Pumping Station and forcemain
  - Located on same site as existing Janet Avenue Pumping Station
  - Forcemain to be twinned or replaced from Janet Pumping Station to Nobleton WRRF





What's Next? Share your thoughts – we're listening.

- To provide your feedback, complete the survey. Survey can be accessed at **york.ca/nobletonea.**
- Stay informed and sign up for project updates by visiting our project webpage **york.ca/nobletonea.**
- Please complete the survey by **Friday December 11th, 2020.**


York Region

Survey: Nobleton Water and Wastewater Servicing Municipal Class Environmental Assessment Study

We're listening.

Thank you for taking the time to participate in this study.

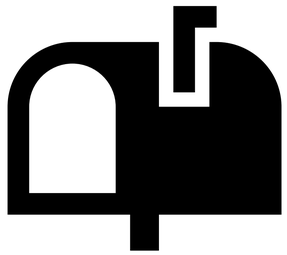
Questions?

Accessible formats or communication supports are available upon request. For

What's Next? Share your thoughts – we're listening.

Please contact us if you are unable to access the online survey.

afshin.naseri@york.ca



Afshin Naseri, P. Eng.
Senior Project Manager
Environmental Services
The Regional Municipality of York
17250 Yonge Street
Newmarket, Ontario L3Y 6Z1

Afshin Naseri, P. Eng.
Senior Project Manager
Environmental Services
The Regional Municipality of York
17250 Yonge Street
Newmarket, Ontario L3Y 6Z1
afshin.naseri@york.ca
1-877-464-9675 ext. 75062
Fax 905-830-6927