Proposed Henderson Sewage Pumping Station

Schedule ‘B’ Municipal Class Environmental Assessment Study

Open House

Thursday, February 21, 2019 – 6:30 p.m. to 8:30 p.m.
Aurora Town Hall – 100 John West Way, Aurora, ON

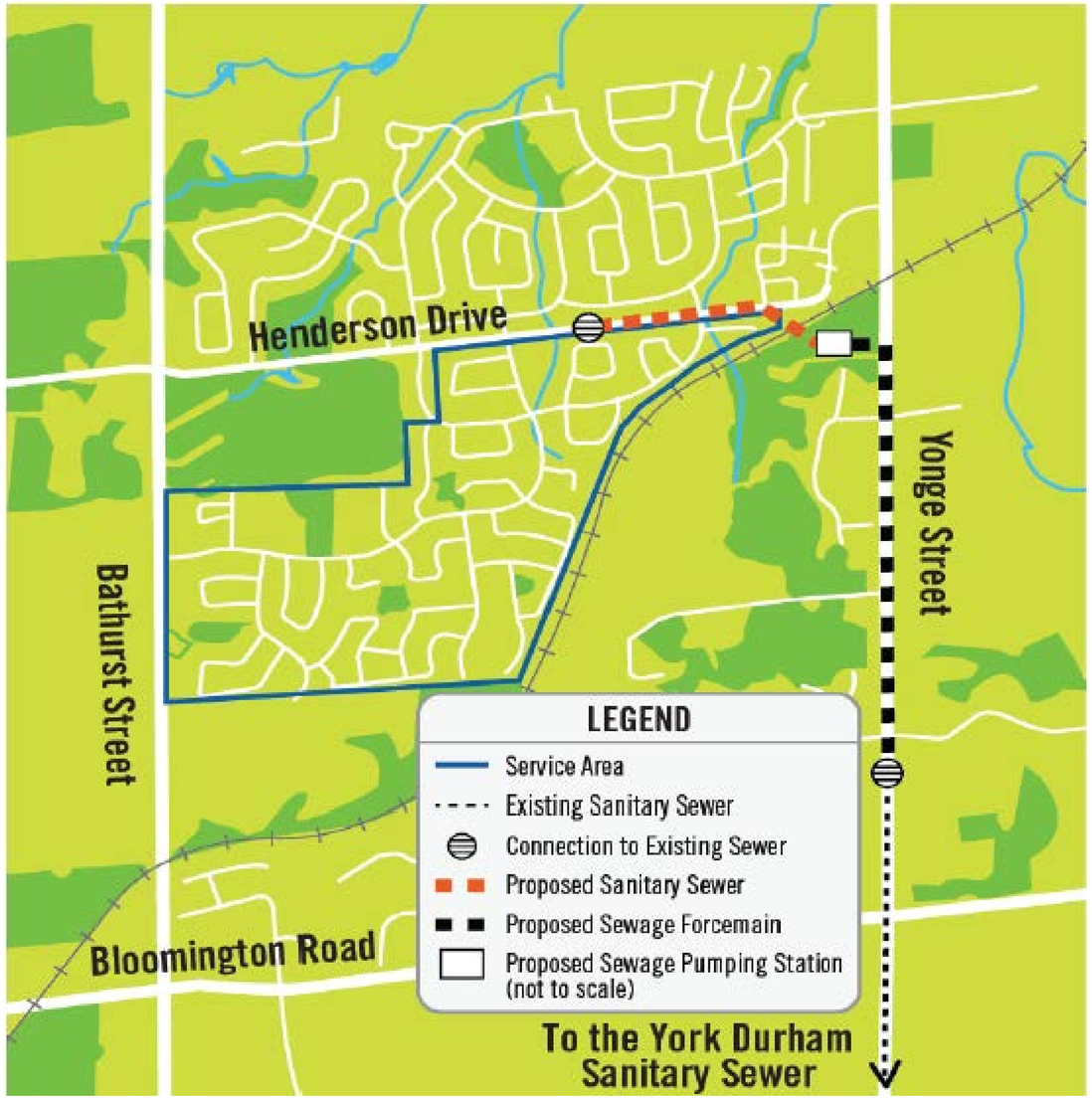
York Region

Proposed Henderson Sewage Pumping Station - Schedule ‘B’ Municipal Class EA Study

The Study

The Regional Municipality of York is conducting this study to determine the preferred approach to redirecting the wastewater flows from the Henderson Drive area in the Town of Aurora.

We have recommended a solution based on the evaluation of the alternative solutions against environmental, social, technical and economic criteria, and public input gathered from the first Open House.



Purpose of this Open House

The purpose of this Open House is to present the recommended solution and provide further opportunity for feedback. In this Open House we will share the preferred site for the Henderson Sewage Pumping Station, the preliminary site layout and a concept rendering of the sewage pumping station building.

We want to hear from you! Please provide your input using the comment sheets provided. Tell us your priorities, and help us confirm our understanding of what really matters to your community.

York Region

Proposed Henderson Sewage Pumping Station
Schedule ‘B’ Municipal Class EA Study

Problem Solving Process

Problem Statement

To reduce wastewater flows to the Aurora Sewage Pumping Station

Strategies

- Do Nothing
- Limit Growth
- Limit Inflow and Infiltration
- Flow Diversion away from Aurora Sewage Pumping Station

Alternative Solutions

- 4 Sewage Pumping Station Sites
- 2 Forcemain Alignments

Evaluation Criteria Selection

- Natural Environment
- Social and Cultural
- Technical
- Economical
- Public Input - Site Preference

Public Open House #1

Technical Studies

Evaluation of Alternatives

Recommended Solution

Public Open House #2

You Are Here

Submission of Project File with Preferred Solution

Proposed Henderson Sewage Pumping Station
Schedule ‘B’ Municipal Class EA Study

Strategies

Problem Statement: To reduce wastewater flows to the Aurora Sewage Pumping Station

1. Do Nothing

- Maintaining current infrastructure with no additional upgrades
- This strategy does not address the problem statement and the Aurora Sewage Pumping Station would continue to experience operational issues during high wastewater flows due to extreme weather events

2. Limit Growth

- Limiting community growth to reduce or delay a need for infrastructure upgrades
- This strategy is not feasible given the planned growth for Aurora in the near future

3. Limit Inflow and Infiltration

- Repairing and upgrading existing sewers to reduce the amount of ground and surface water entering the sewer
- While this strategy would result in a modest reduction of operational issues at the Aurora Sewage Pumping Station, it will not sufficiently address the problem statement

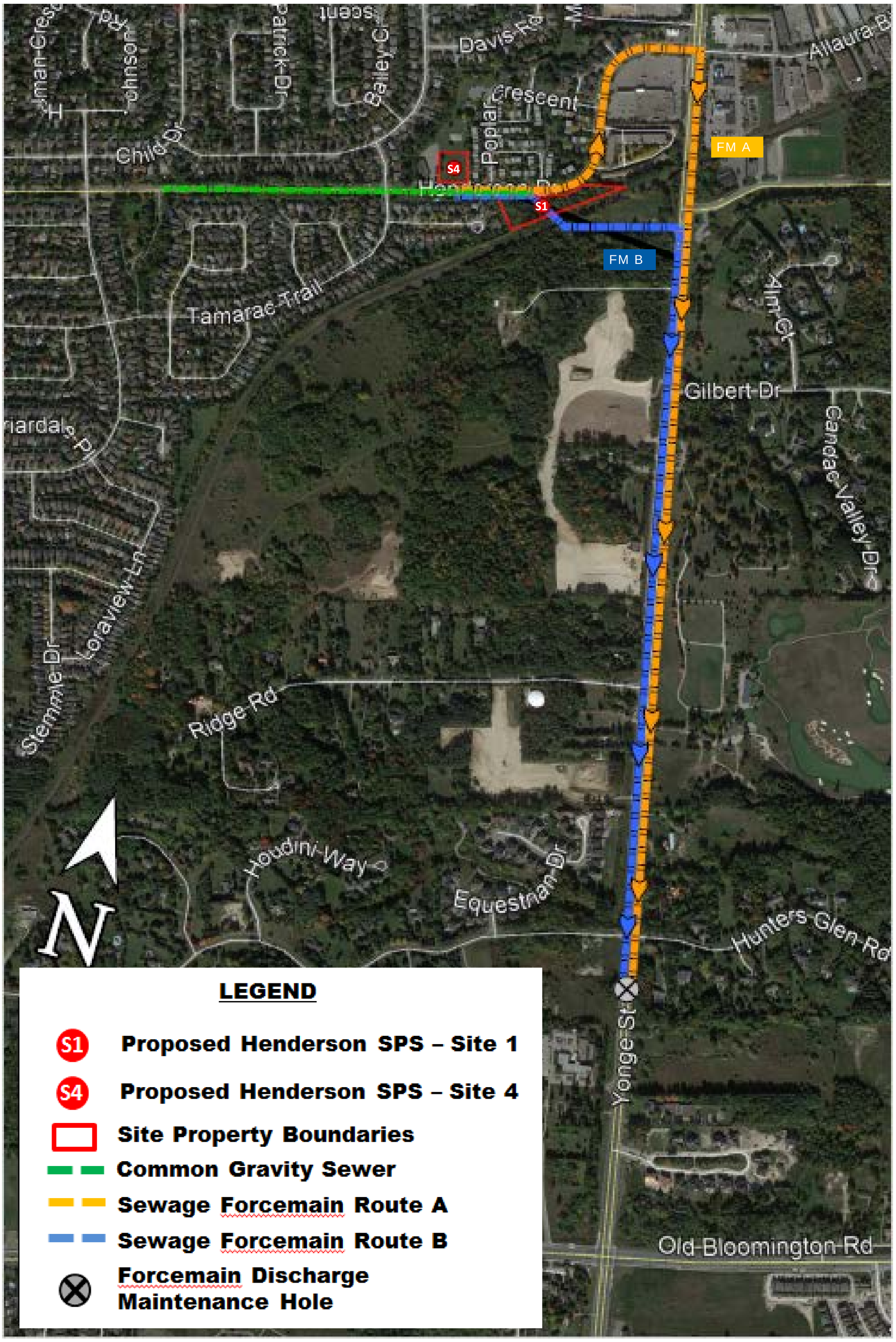
4. Flow Diversion away from Aurora Sewage Pumping Station

- Redirecting wastewater flows from the Henderson Drive area away from the Aurora Sewage Pumping Station
- It would require a new sewer, sewage pumping station and forcemain to be constructed
- This strategy effectively addresses the problem statement with a significant reduction of operational issues at the Aurora Sewage Pumping Station during high wastewater flows due to extreme weather events

Proposed Henderson Sewage Pumping Station
Schedule ‘B’ Municipal Class EA Study

Alternatives 1A & 1B and 4A & 4B

Location of Sewage Pumping Station Sites 1 & 4 and Forcemain Routes A & B



Proposed Henderson Sewage Pumping Station
Schedule ‘B’ Municipal Class EA Study

Alternatives 2 & 3

Location of Sewage Pumping Station Sites 2 & 3

Proposed Henderson Sewage Pumping Station
Schedule ‘B’ Municipal Class EA Study

Evaluation Criteria Selection

The following criteria have been selected to evaluate the alternative solutions:

Natural Environment

- Proximity to environmentally sensitive areas
- Impact to watercourse
- Impact to species at risk
- Tree removal
- Potential for contamination

Social & Cultural

- Cultural heritage resources
- Archaeological resources
- Land use compliance
- Proximity to residential neighbourhoods
- Construction impacts
- Visibility from streetscape
- Removal of recreational space

Public Input - Have Your Say

- Site Preference

* All other public input will be considered in the scoring of the other evaluation criteria

Technical

- Land acquisition process
- Constructability
- Impact to existing utilities
- Permits and approvals

Economic

- Land acquisition cost
- Capital cost
- Life cycle (maintenance) cost

Proposed Henderson Sewage Pumping Station - Schedule 'B' Municipal Class EA Study

Public Input – Comments Provided at the First Open House

Construction Noise

No comments

Construction Traffic

Ensure that construction truck traffic does not create debris

Ensure that local watercourses are protected from silt and debris

Tree Removal due to Construction

A preference for Site 4 due to minimal impact on existing natural conditions

Site Enhancements Tree Planting

Consider landscaping the proposed SPS with vegetation

Site Enhancements Trail System

No comments

Appearance of Sewage Pumping Station

No comments

Visibility of Sewage Pumping Station from Road

A desire to ensure that the proposed SPS is properly screened from the road

Operation of Sewage Pumping Station - Noise

Concern regarding the potential for noise from the proposed SPS

Operation of Sewage Pumping Station - Odour

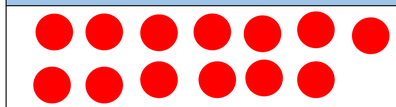
Concern about odour from the proposed SPS

Sewage Pumping Station Site Preference

Site 1

Site 2

Site 3



Site 4

Proposed Henderson Sewage Pumping Station
Schedule ‘B’ Municipal Class EA Study

Technical Studies

The following Technical Studies have been conducted to date. The purpose of these studies are detailed below:

Environmental Site Assessment

- Identifies potential contamination concerns resulting from past and present land use activities

Stage 1 Archaeological Assessment

- Determines whether there is potential for archaeological sites within the study area

Natural Environment Study

- Documents the existing natural environment features and conditions within the study area

Land Use Review

- Identifies the various land use policies, regulations, and required approvals applicable to each alternative

The Technical Studies undertaken for this Environmental Assessment Study will be available for review through the Project File Report, anticipated for completion in Spring 2019.

Evaluation of Alternatives

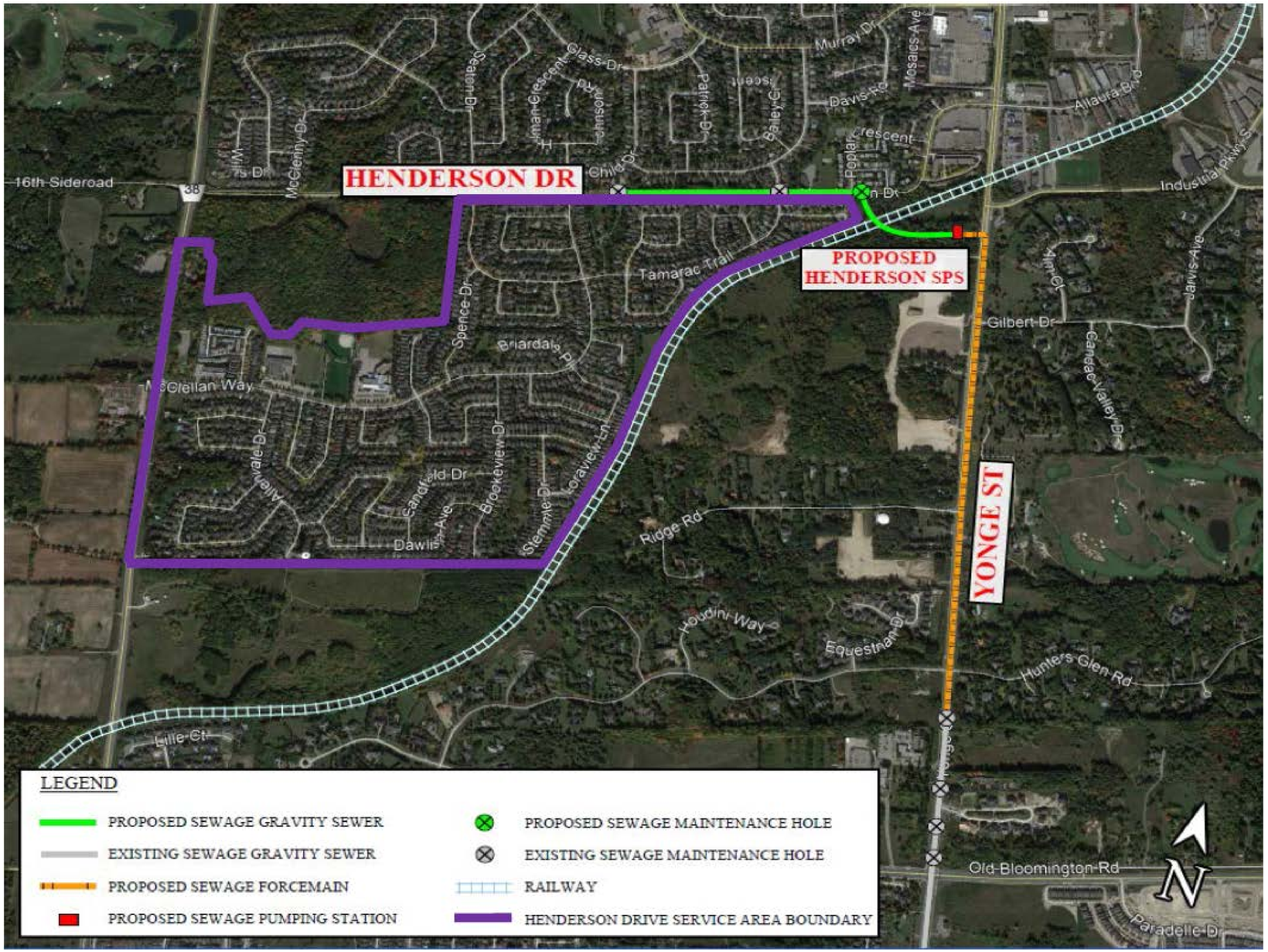
Scoring Matrix

Evaluation Criteria	Alt 1A	Alt 1B	Alt 2	Alt 3	Alt 4A	Alt 4B
Natural Environment						
Social & Cultural						
Technical						
Economic						
Public Input						
Overall						

Scoring Key	
Most Preferred	
Somewhat Preferred	
Less Preferred	
Least Preferred	

Preferred Alternative

Recommended Solution – Site Location and Sewer Connection



Recommended Solution – Preliminary Site Layout

Recommended Solution – Sewage Pumping Station Building Concept Rendering

Site View

South Elevation

East Elevation

North Elevation

Proposed Henderson Sewage Pumping Station - Schedule ‘B’ Municipal Class EA Study

Stay Informed

Stay informed by visiting our project webpage:

york.ca/ea

If you would like to submit your comments directly to the Study Team, please contact:

Claudio Micelli, P. Eng. PMP
Project Manager
Environmental Services
Regional Municipality of York
1-877-464-9675 ext. 75047
Fax: (905) 830-6927
env_HendersonSPS@York.ca

Project Timeline

November 8, 2018	Notice of Study Commencement & Open House
Open House – Presentation of Alternative Solutions	November 22, 2018
January 2019	Evaluation of Alternative Solutions
Open House – Presentation of Recommended Solution	**February 21, 2019**
April 2019	Project File Report & Notice of Study Completion
Detailed Design	2019-2020
2020-2022	Construction

York Region