

Baby Point Wastewater Pumping Station Forcemain Class Environmental Assessment Study

Public Drop-in Event 1

Thursday, October 12, 2017
6:00 p.m. to 8:00 p.m.
Humbercrest United Church

Welcome

Welcome to the first Public Drop-in Event (PIE) for the Baby Point Wastewater Pumping Station Forcemain Class Environmental Assessment (EA).

Purpose of this Public Drop-in Event

The panels will present information about the following:

- The study area
- Environmental assessment process being followed
- Problem to be addressed
- Existing conditions
- Proposed alternatives
- Criteria that will be used to evaluate the alternatives.

We are seeking your feedback regarding:

- Proposed alternatives
- Criteria that will be used to evaluate the alternatives.

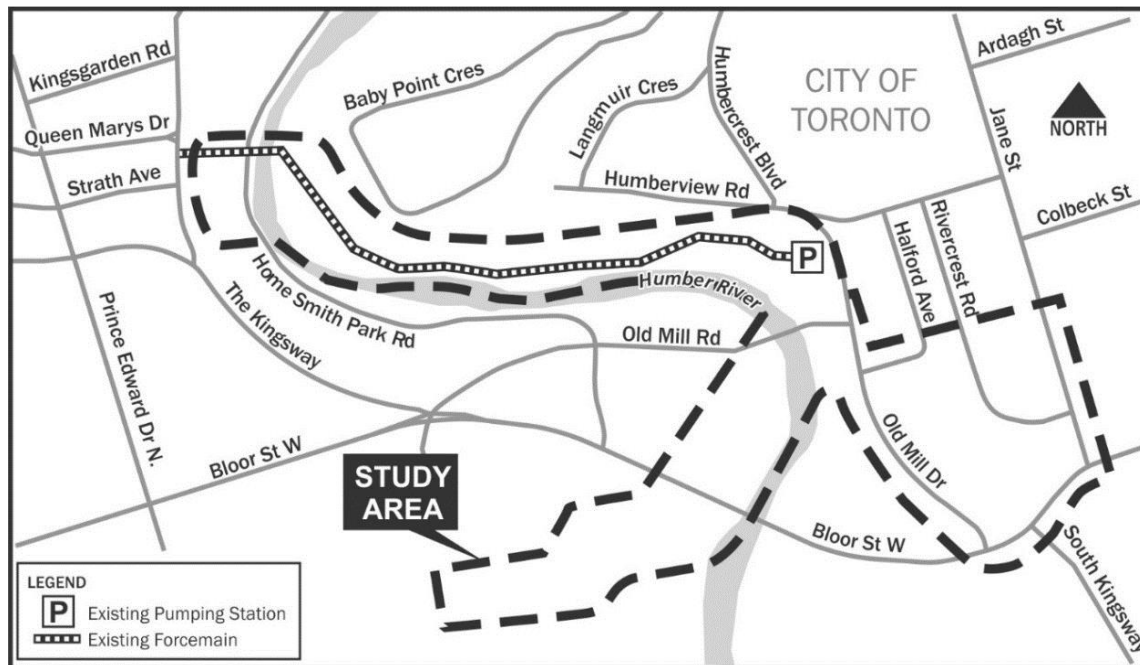
Project Team representatives are available to discuss the project with you. You are encouraged to share your input using the comment forms provided.



Project Study Area

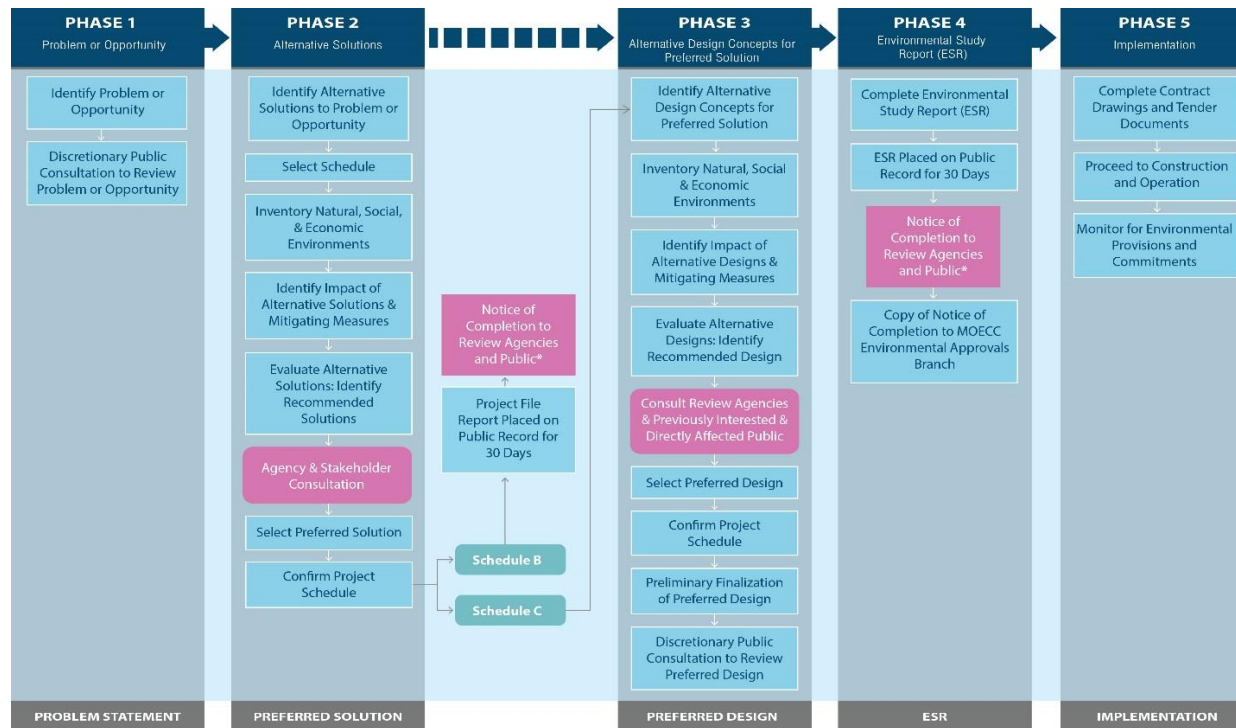
The existing Baby Point Wastewater Pumping Station Forcemain is located in the vicinity of Bloor Street West and the South Kingsway in the City of Toronto.

The Study Area includes the neighbourhoods of Baby Point, Old Mill, and Kingsway South in the City of Toronto. It falls within the land holdings of the Toronto and Region Conservation Authority (TRCA) and the City of Toronto, passing through Étienne Brûlé Park and King's Mill Park adjacent to the Humber River.



Municipal Class Environmental Assessment Process

This study is being carried out as a **Schedule 'B'** project in accordance with the Municipal Class Environmental Assessment (MCEA) process. This is an approved assessment approach for municipal infrastructure projects under the provincial *Environmental Assessment Act*. As a Schedule 'B' project, the Study requires the completion of Phases 1 and 2 of the MCEA process. Upon completion of the Study, a Project File Report will be prepared and placed on the public record.



* Includes provision to request a Part II Order to elevate the project to a higher level of review.

■ Mandatory Public Contact Points

Adapted from Municipal Engineers Association (MEA), Municipal Class Environmental Assessment, October 2000 (as amended in 2007 and 2011)

Problem Statement

The problem statement for the Baby Point Wastewater Pumping Station Forcemain is defined as follows:

The Baby Point Wastewater Pumping Station Forcemain is nearing the end of its service life. In order to ensure reliable future operation of the pumping station, an upgrade to the existing infrastructure will be required to provide redundancy and back up to the existing forcemain.

The City of Toronto has initiated a Municipal Class EA Study to select and evaluate alternatives for the forcemain upgrade, and identify a preferred solution that minimizes effects to the environment while ensuring continued reliable operations of the pumping station.



Existing Natural Environment Conditions

It is important to understand the existing natural conditions in the study area in order to determine the effects that the proposed alternatives may have on them.

The Humber River is present within the study area, and is a Canadian Heritage River.



Vegetation present in the study area includes cultural meadow (lawn), as well as some cultural forest and some swamp and marsh areas.

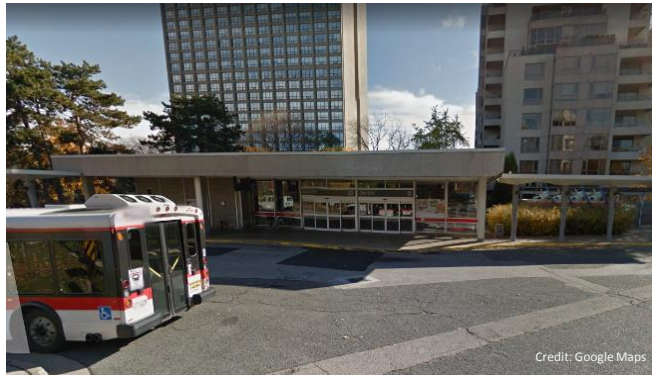
Existing Social and Cultural Conditions

It is important to understand the existing socioeconomic and cultural conditions in the study area in order to determine the effects that the proposed alternatives may have on them.

There are a variety of residential properties surrounding the study area, including detached and semi-detached homes, townhouses, apartments and condominiums. Businesses, including retail stores, services, and restaurants are present towards the east end of the study area, along Bloor Street West. The study area also passes through two parks, Étienne Brûlé Park and King's Mill Park.



The study area north of Old Mill Road/Catherine Street falls within the Baby Point Heritage Conservation District Study area. The study area contains the Old Mill Bridge, and features stone retaining walls along the Humber River that have potential cultural heritage value or interest.

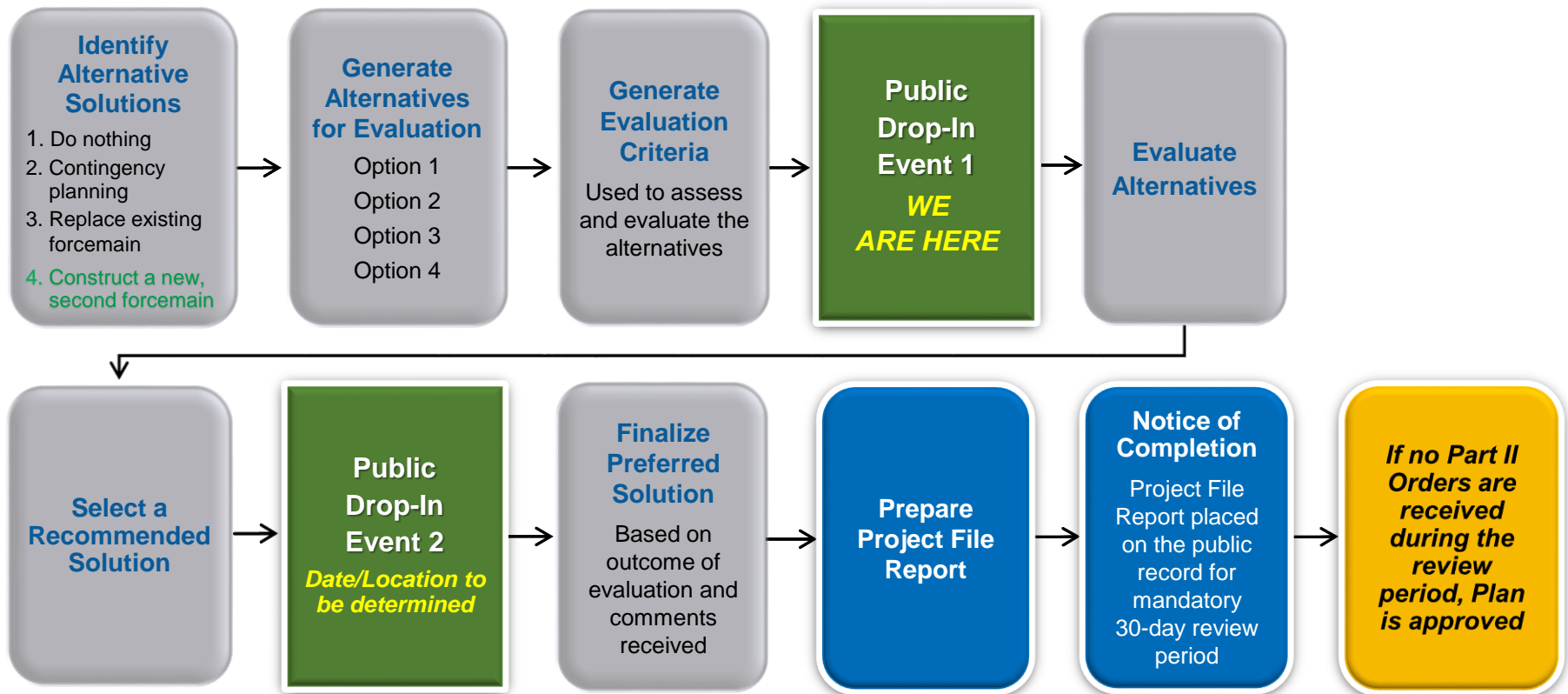


The Toronto Transit Commission (TTC) Bloor Subway runs underneath Bloor Street along and adjacent to the south end of the study area. Old Mill Station is located southwest of the study area.







Assessment and Evaluation Process

This study is following the process outlined below to generate and evaluate alternatives and select a Preferred Alternative for the Baby Point Pumping Station Forcemain.

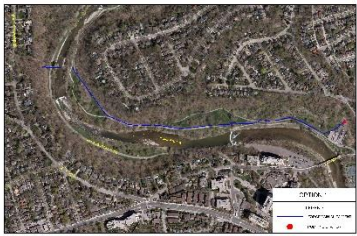
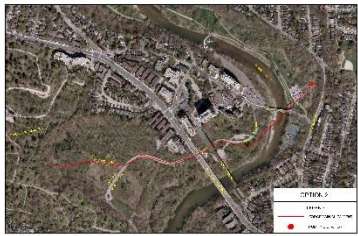




Alternative Solutions

Approach	Description	Comments	Carry Forward?
Do Nothing	No change.	Does not address the current requirement for providing redundancy and backup to the existing forcemain.	
Contingency Planning	Emergency pumping during times of pipe failure.	Provides a short-term solution but does not address the requirement for providing redundancy and backup to the existing forcemain.	
Replace Existing Forcemain	Replace existing pipe with larger diameter pipe.	Does not address the requirement for providing redundancy and backup to the existing forcemain in the case of a pipe failure.	
Twin Forcemain	Construct a new, second forcemain in addition to the existing forcemain.	Addresses the problem of redundancy and backup to the existing forcemain.	

Alternatives for Evaluation

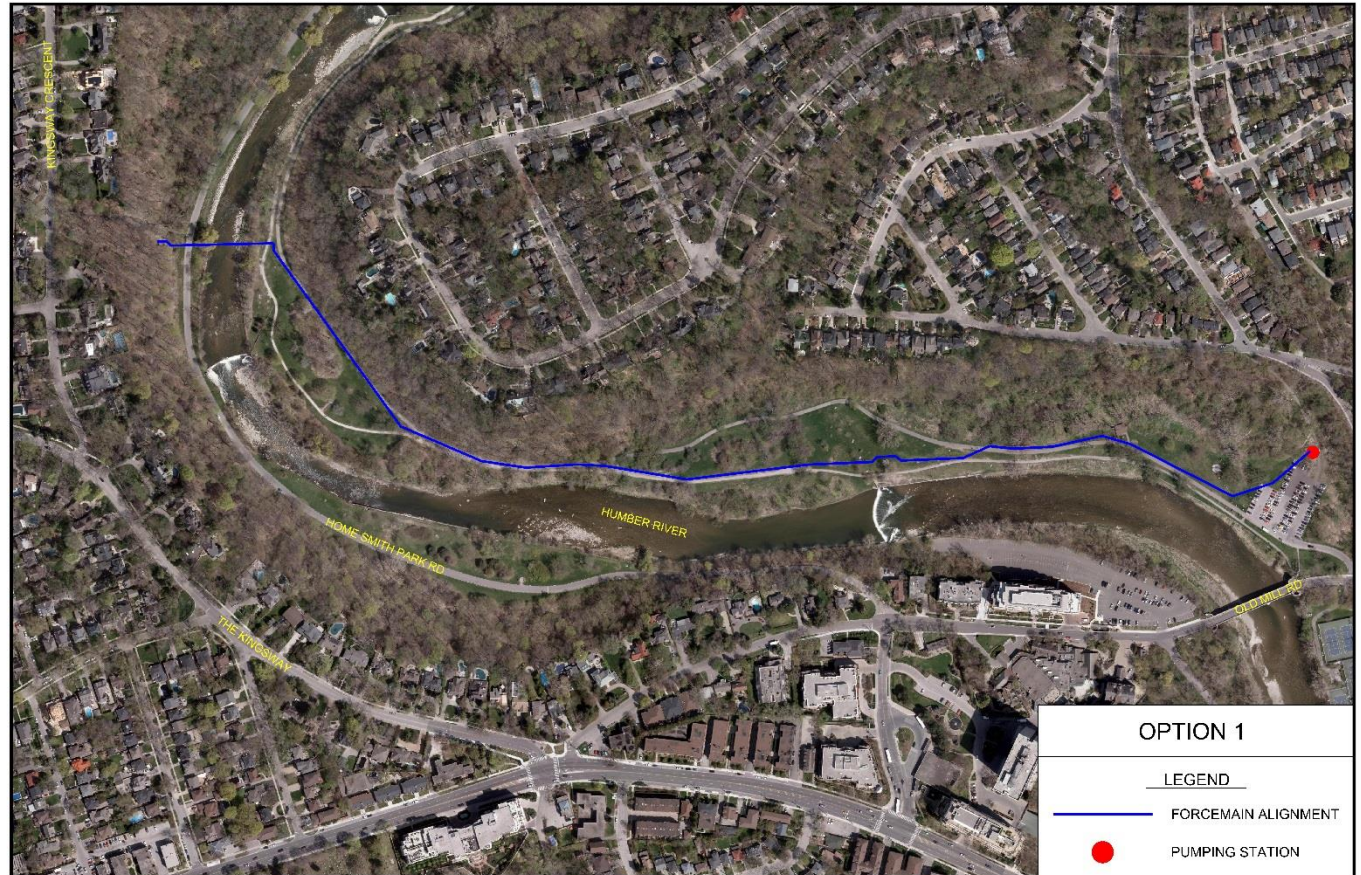
The Project Team will be evaluating four alternatives for the alignment of the new, twin forcemain:

Alternative	Option 1	Option 2	Option 3	Option 4
Plan				
Description	<p>New forcemain would run along the approximate alignment of the existing forcemain.</p>	<p>New forcemain would run southwest from Baby Point Pumping Station, and terminate before Park Lawn Cemetery.</p>	<p>New forcemain would run southeast from Baby Point Pumping Station, connecting to an existing sanitary manhole on Jane Street at Bloor Street West.</p>	<p>New forcemain would run southeast from Baby Point Pumping Station, connecting to an existing sanitary manhole on Jane Street at Bloor Street West.</p>

**To minimize potential impacts from construction, the use of horizontal directional drilling (HDD) will be incorporated into the construction methods of the selected alternative, where feasible.*

Alternatives: Option 1

Option 1 places the new forcemain along the approximate alignment of the existing forcemain. There is potential to use HDD through part of the alignment during the construction of this alternative.



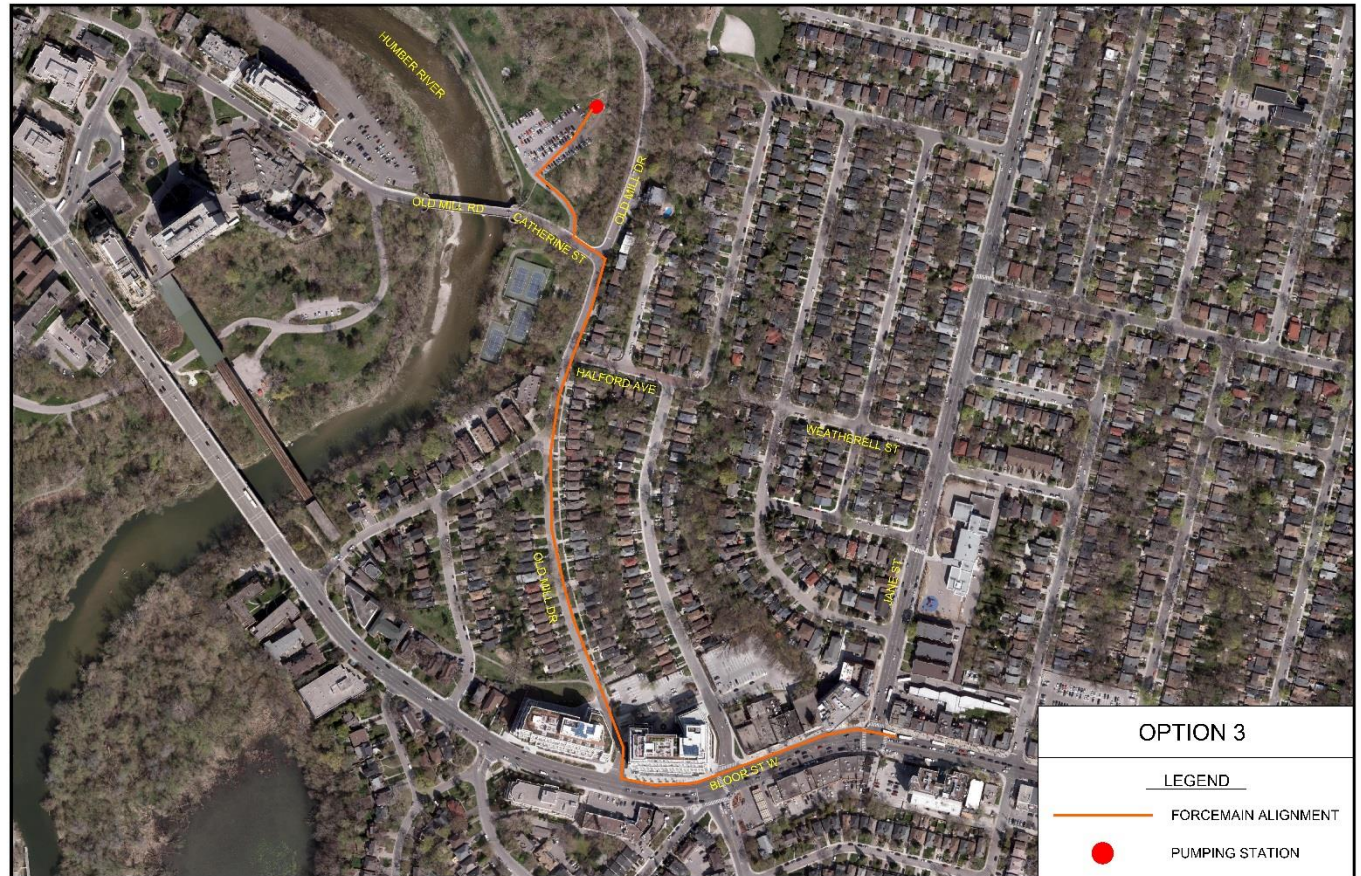
Alternatives: Option 2

Option 2 places the new forcemain southwest of the Baby Point Pumping Station, passing under the Humber River, crossing Bloor Street West and terminating before Park Lawn Cemetery. There is potential to use HDD through part of the alignment during the construction of this alternative.



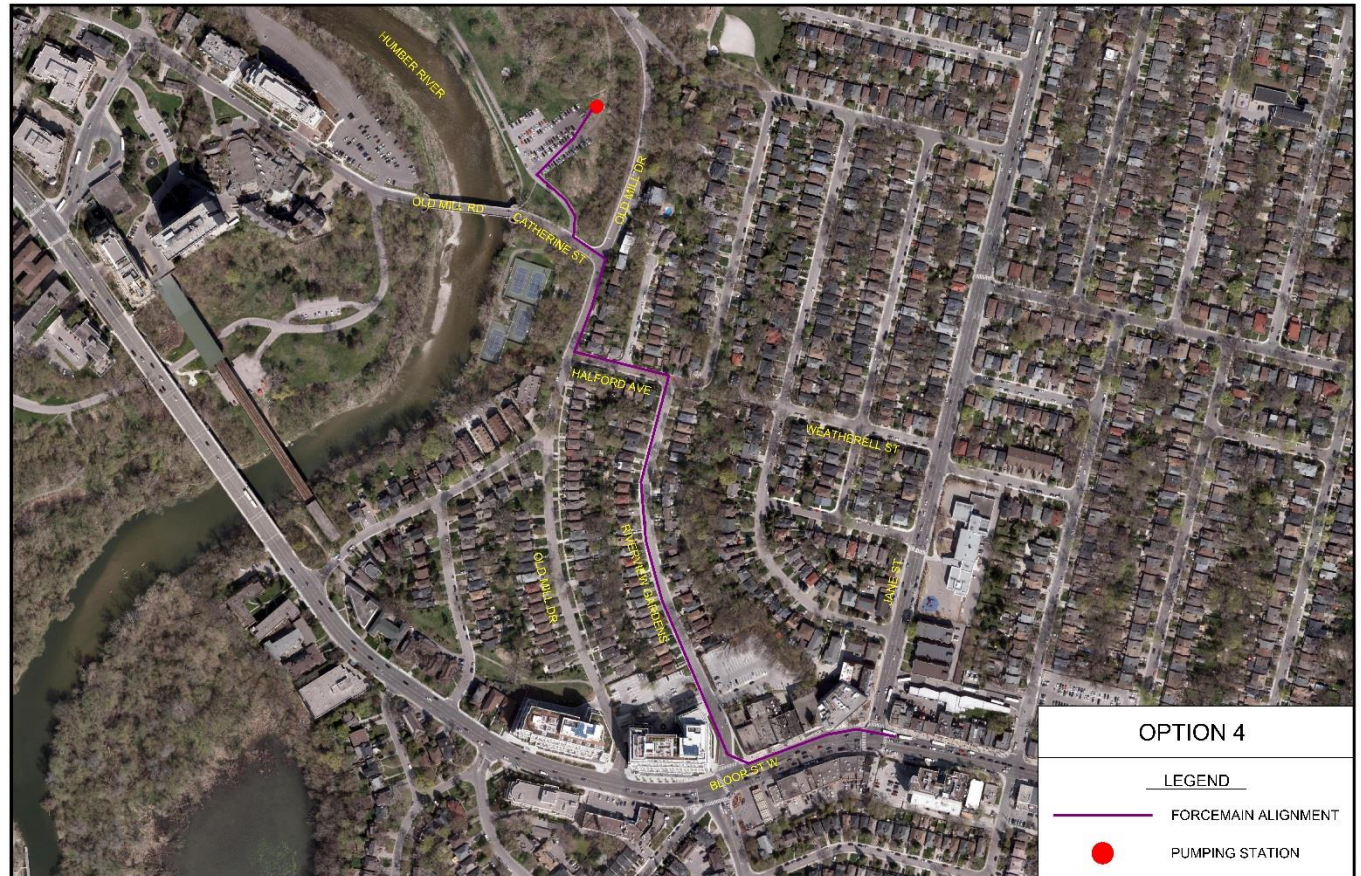
Alternatives: Option 3

Option 3 places the new forcemain southeast of the Baby Point Pumping Station to the Old Mill Drive / Halford Avenue junction, continuing south to Bloor Street West, then east to an existing sanitary manhole on Jane Street. This alternative would be constructed in conjunction with work already planned along part of this alignment.



Alternatives: Option 4

Option 4 places the new forcemain southeast of the Baby Point Pumping Station to the Old Mill Drive / Halford Avenue junction, heading east along Halford Avenue to Riverview Gardens, south to Bloor Street West, then east to an existing sanitary manhole on Jane Street. This alternative would be constructed in conjunction with work already planned along part of this alignment.



Evaluation Criteria

Natural Environment	Socioeconomic Environment	Cultural Environment	Technical Considerations	Cost
<p>Aquatic Species and Habitat</p> <ul style="list-style-type: none"> • Changes to fish and fish habitat including species of conservation concern <p>Terrestrial Species and Habitat</p> <ul style="list-style-type: none"> • Effects to vegetation communities, wildlife and wildlife habitat, including species of conservation concern <p>Effects to Groundwater</p> <ul style="list-style-type: none"> • Effects to groundwater quality and quantity <p>Surface Water</p> <ul style="list-style-type: none"> • Effects to water flow, surface water features drainage and stormwater management 	<p>Private Property</p> <ul style="list-style-type: none"> • Temporary occupation • Temporary access restrictions during construction • Permanent Easements <p>Traffic</p> <ul style="list-style-type: none"> • Effects to traffic operations during construction <p>Noise and Vibration</p> <ul style="list-style-type: none"> • Construction noise and vibration <p>Air Quality</p> <ul style="list-style-type: none"> • Construction-related dust and emissions <p>Businesses</p> <ul style="list-style-type: none"> • Effects to local businesses during construction 	<p>Archaeology</p> <ul style="list-style-type: none"> • Archaeological Resources <p>Heritage</p> <ul style="list-style-type: none"> • Effects to built heritage resources and cultural heritage landscapes 	<p>Constructability</p> <ul style="list-style-type: none"> • Ease of construction <p>Construction staging</p> <ul style="list-style-type: none"> • Number of construction stages and duration of construction <p>Redundancy</p> <ul style="list-style-type: none"> • Available capacity in downstream sewer systems <p>Geotechnical and Hydrogeological</p> <ul style="list-style-type: none"> • Suitability of soil and groundwater conditions for construction <p>Utilities</p> <ul style="list-style-type: none"> • Number and scale of utilities impacted 	<p>Capital and construction costs</p> <p>Operational and maintenance costs</p>

Next Steps

Following this Public Drop-In Event, the Project Team will:

- Review and respond to comments;
- Evaluate alternatives;
- Select a recommended plan; and
- Prepare for Public Drop-In Event 2.

Stay Informed

Please sign-in to receive future study updates.

Stay informed by visiting our project webpage:
www.toronto.ca/babypointstudy

We encourage you to ask questions and fill out a comment sheet before you leave. Comments can be left in the box provided or submitted to the Project Team by **October 26, 2017**.

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

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