

Proposed Scarborough Subway Extension- Lawrence Avenue East Station Relocation Project

Virtual Public Information Session

March 13 to March 26, 2023



Welcome

This Virtual Public Information Session will be live for two weeks from **Monday, March 13, to Sunday, March 26, 2023**

- You may provide your input on the Scarborough Subway Extension-Lawrence Avenue East Station Relocation Project by completing the comment form available on the Virtual Public Information Session website at www.LawrenceEastStationProject.com
- Please submit your comments by April 12, 2023.
- After Sunday, March 26 2023, this presentation, accompanying video transcript, and the comment form will be available for download on the Enbridge Gas website at <http://www.enbridgegas.com/LawrenceEastStationProject>

Enbridge Gas' Commitment

Enbridge Gas provides safe and reliable delivery of natural gas to more than 3.8 million residential, commercial, and industrial customers across Ontario.



Enbridge Gas will carefully consider all input.

It is committed to involving community members and will provide up-to-date information in an open, honest, and respectful manner.



Enbridge Gas is committed to environmental stewardship and conducts all of its operations in an environmentally responsible manner.



Enbridge Gas' Environment, Health, and Safety Policies



Enbridge Gas is committed to protecting the health and safety of all individuals affected by its activities.

Enbridge Gas will provide a safe and healthy working environment and will not compromise the health and safety of any individual.

Its goal is to have no workplace incidents and to mitigate, to the extent feasible, its impacts on the environment. To achieve this goal, Enbridge Gas will work with stakeholders, peers, and others to promote responsible environmental practices and continuous improvement.

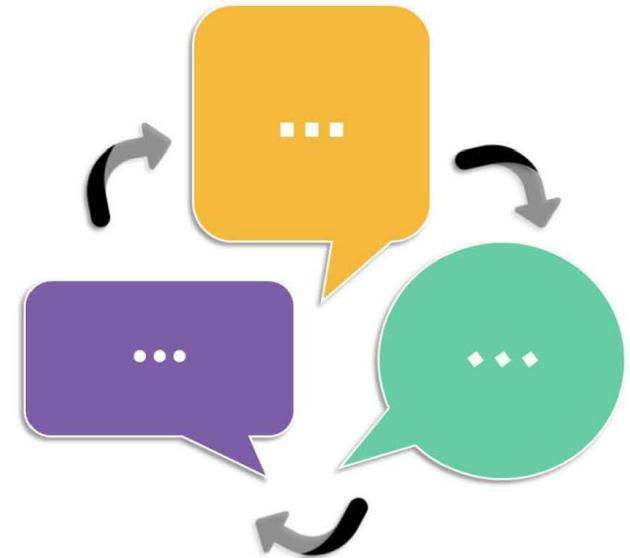


Enbridge Gas is committed to environmental protection and stewardship, and recognizes that pollution prevention, biodiversity, and resource conservation are key to a sustainable environment.

All employees are responsible and accountable for contributing to a safe working environment, for fostering safe working attitudes, and for operating in an environmentally responsible manner.

Purpose of the Project's Virtual Public Information Session

- Provide information on the Project purpose and illustrate the Preliminary Preferred Route for the pipeline
- Inform landowners, Indigenous communities, municipalities, stakeholders, and regulatory authorities about the Project and gather feedback about the assessment of the pipeline route
- Give everyone the chance to participate during the process of completing the Environmental Report, which will be included in the application to the Ontario Energy Board (OEB)
- Provide an opportunity to identify any unknown constraints and review draft plans to mitigate impacts to the local community and the environment
- Create a space for you to ask questions and/or provide comments to Enbridge Gas or Dillon Consulting



Consultation Approach



We are committed to a comprehensive consultation process and want to hear from you about this Project.

Our consultation approach is:

- **Inclusive:** reaching out to all who may be interested or affected and providing opportunities to become informed and get involved.
- **Transparent:** providing access to information and clear explanations for decisions.
- **Accountable:** explaining how your input will be used in the decision-making process.

An important part of the consultation process is working with stakeholders to identify and resolve potential project-related issues and concerns.

Enbridge Gas Indigenous Peoples Policy: Introduction

- Enbridge Gas follows the Enbridge Inc. (Enbridge) Indigenous Peoples Policy.
- Enbridge Gas recognizes the diversity of Indigenous Peoples who live where the company works and operates. It is understood from history, the destructive impacts on the social and economic wellbeing of Indigenous Peoples. Enbridge recognizes and realizes the importance of reconciliation between Indigenous communities and the broader society. Positive relationships with Indigenous Peoples, based on mutual respect and focused on achieving common goals, will create positive outcomes from Indigenous communities.
- Enbridge Gas commits to pursue sustainable relationships with Indigenous Nations and groups in proximity to where Enbridge conducts business. To achieve this, Enbridge will govern itself by the principles on the next slide.

Enbridge Gas Indigenous Peoples Policy: Principles

Recognize

Enbridge Gas **recognizes** the legal and constitutional rights of Indigenous Peoples, and the importance of the relationships between Indigenous Peoples and their traditional lands and resources. They commit to working with Indigenous communities in a manner that recognizes and respects those legal and constitutional rights and the traditional lands and resources to which they apply. Enbridge commits to ensuring that Enbridge Gas projects and operations are carried out in an environmentally responsible manner.

Understand

Enbridge Gas **understands** the importance of the United Nations Declaration of the Rights of Indigenous Peoples in the context of existing Canadian law and the commitments that the government has made to protecting the rights of Indigenous Peoples.

Engage

Enbridge Gas **engages** in forthright and sincere consultation with Indigenous Peoples about their projects and operations through processes that seek to achieve early and meaningful engagement. Indigenous engagement helps define projects that may occur on lands traditionally occupied by Indigenous Peoples.

Commit

Enbridge Gas **commits** to working with Indigenous Peoples to achieve benefits for them resulting from Enbridge Gas' projects and operations, including opportunities in training and education, employment, procurement, business development, and community development.

Foster

Enbridge Gas **fosters** an understanding of the history and culture of Indigenous Peoples among their employees and contractors, in order to create better relationships between Enbridge Gas and Indigenous communities.

Enbridge Indigenous Peoples Policy: Commitment

The commitment is a shared responsibility involving Enbridge and its affiliates, employees and contractors. They will conduct business in a manner that reflects the principles listed on the previous slide. Enbridge will provide ongoing leadership and resources to effectively implement the principles, including the development of implementation strategies and specific action plans. Enbridge commits to periodically review this policy so that it remains relevant and respects Indigenous culture and varied traditions.

Regulatory Framework

For the Project to proceed, approval from the OEB is required. The OEB requires that Enbridge Gas complete an environmental assessment and route selection study.



Role of the Ontario Energy Board

- Reviews the Environmental Report (including details of consultation) as part of the application, known as the “Leave-to-Construct” Application.
- Reviews comments received from the Ontario Pipeline Coordinating Committee (OPCC) on the Environmental Report during the 42-day OPCC review period. The 42-day OPCC review period is anticipated from late May 2023 to early July 2023.
- Once the Leave-to-Construct (LTC) Application is submitted to the OEB, any party with an interest in the Project may apply to the OEB to become intervenors or interested parties.
- Provides a public forum during the review of the LTC Application for people to participate in the decision-making process.
- Determines whether a proposed pipeline is in the public interest.

Environmental Study Process

As part of the planning process, Enbridge Gas has retained Dillon Consulting to undertake an Environmental Study for the project. The Study will fulfill the requirements of the OEB's Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition.

The Study will be conducted during the earliest phase of the planning process. As part of the Study, Enbridge Gas and Dillon Consulting will:

- Undertake engagement to understand the views of interested and potentially affected parties
- Consult and engage with Indigenous communities to understand interests and potential impacts
- Identify potential impacts of the project
- Develop environmental mitigation and protective measures to avoid or reduce potential impacts
- Develop an appropriate environmental monitoring and post-construction program

Project Overview

The Proposed Project involves reconfiguring existing natural gas infrastructure in the vicinity of Lawrence Avenue East, McCowan Road and Valparaiso Avenue to include:

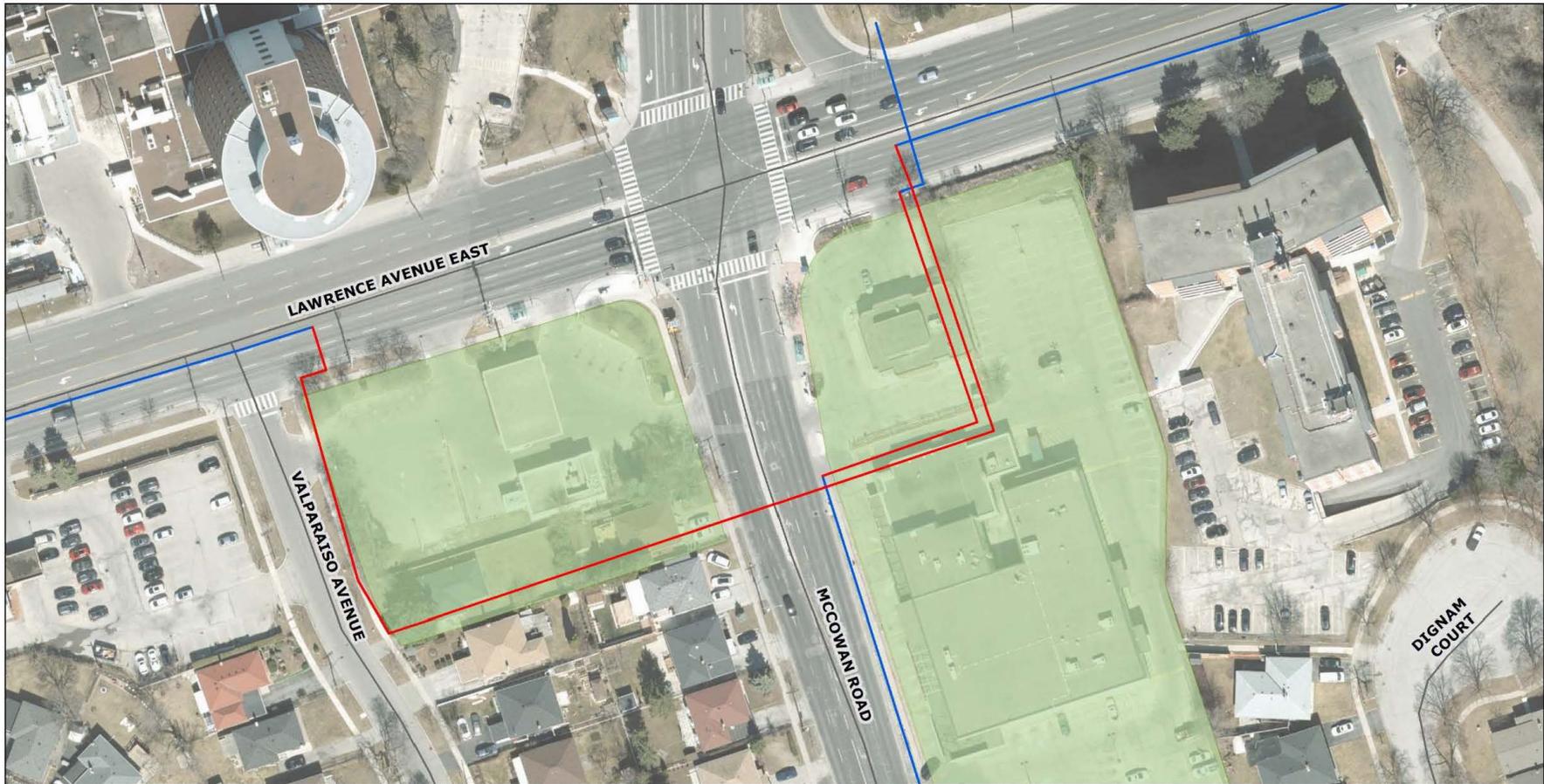
- Approximately 79 metres (m) of NPS 8-inch diameter natural gas pipeline relocated onto Metrolinx private property easement;
- Approximately 154 m of NPS 12-inch diameter pipeline relocated onto private property easement; and
- Approximately 112 m of NPS 12-inch diameter natural gas pipeline relocated on Lawrence Avenue East and McCowan Road, and along Valparaiso Ave.



The proposed natural gas pipeline relocation is required to accommodate the construction of the Metrolinx Scarborough Subway Extension transit project while maintaining the existing service to Enbridge Gas customers in Scarborough.

Due to the highly congested corridor, property constraints, and location of proposed subway infrastructure, Enbridge Gas has identified the preliminary preferred route (PPR) as the only feasible alternative. The PPR resolves the conflict with the subway while minimizing the total length and cost of a gas main relocation in order to reinstate the network, while maintaining service to existing Enbridge Gas customers.





ENBRIDGE
ENBRIDGE GAS INC.
 Scarborough Subway Extension - Lawrence Avenue East Station Relocation Project

- Preliminary Preferred Route (Proposed)
- Existing Pipeline Infrastructure
- Road
- Land Acquired by Metrolinx

PROPOSED ROUTE MAP
 FIGURE 1



MAP DRAWING INFORMATION:
 DATA PROVIDED BY: MNSR, ENBRIDGE GAS INC., ESRI IMAGERY
 MAP CREATED BY: DDR
 MAP CHECKED BY: NI
 MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

SCALE 1:800

0 10 20 40 m

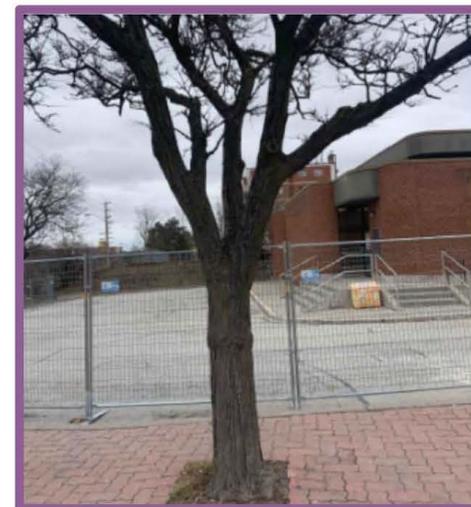
PROJECT: 23-5456 STATUS: DRAFT DATE: 2023-03-07

Natural Environment: Overview

A preliminary field investigation including an Ecological Land Classification (ELC) assessment was conducted by a Dillon biologist on February 16, 2023 from the municipal road allowance along the Preliminary Preferred Route to identify and assess existing natural features, including potential terrestrial and aquatic habitat.

The results of the ELC survey determined lands in the Study Area are primarily classified as 'constructed' or 'residential'. No natural features are present.

No watercourse or waterbody features are present.



Natural Environment: Species at Risk (SAR)

Based on a review of existing records, 5 SAR have the potential to occur within the Project Study Area. Consideration of potential SAR/SAR habitat that may be present in the Study Area was determined based on the general habitat requirements of the species and the habitat features identified during the field investigations conducted in February 2023.



SAR Bats



Chimney Swift

The Ministry of Environment, Conservation and Parks will be consulted during the detailed design process to determine whether species-specific surveys are required to support potential permitting and/or approvals under the Endangered Species Act, 2007.

Natural Environment: Potential Effects and Mitigation Measures

Examples of Potential Effects

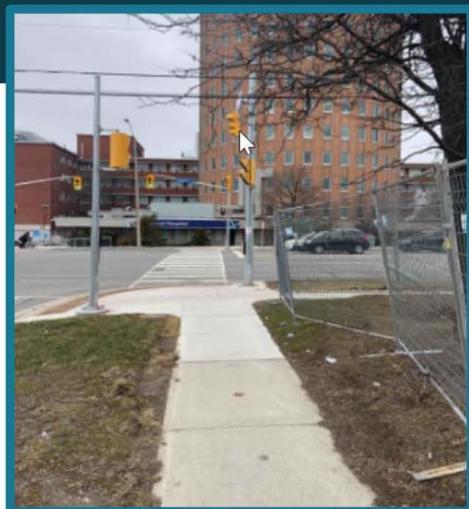
- Potential and/or temporary loss or alteration of trees during construction.
- Potential and/or temporary disturbance to wildlife (birds, bats) during construction.
- Potential and/or temporary alteration of SAR habitat and/or disruption to SAR movement during construction.

Examples of Mitigation Measures

- Minimizing the width of the construction area footprint to reduce the amount of trees affected.
- Conducting construction activities outside of wildlife active windows, where possible.
- Documenting wildlife and SAR encounters and notify appropriate regulatory authorities, where required.
- Providing information to workers on how to identify SAR and their habitat, and how to implement mitigation measures for their protection.

Socio-Economic Environment: Overview

- The Project is located in the administrative district of Scarborough in the City of Toronto.
- The Project Study Area is largely commercial and residential.
- Statistics Canada 2021 Census data indicates that the leading industries in Scarborough Centre include health care and social assistance, manufacturing, retail trade, and professional, scientific and technical services.



The Project is located in a highly urbanized area of Scarborough that supports low and high density residential, and a variety of commercial and retail activities. This urban area is reliant on various transportation methods including personal vehicles, public transit, and bicycles.

Socio-Economic Environment: Potential Effects and Mitigation Measures

Examples of Potential Effects

- Temporary increase in nuisance noise during construction.
- Temporary traffic disruptions during construction.
- Temporary increase in wastes during construction.

Examples of Mitigation Measures

- Construction activities will be carried out in compliance with municipal noise by-laws with respect to noise and construction equipment usage. Applicable noise by-law exemptions will be sought if construction activities cannot be avoided on Statutory Holidays, Sundays or at night. (Note that typical construction days and times are Monday to Saturday, 7 am in the morning to 5 pm in the afternoon).
- Traffic access will be maintained, where possible, during construction. Conditions of required permits will be adhered to. Good management and best practices will be implemented during construction to minimize traffic disruption. If required, temporary detour routes will be provided to reduce potential impacts to commuters.
- Waste will be collected and disposed of appropriately in accordance with applicable regulations at a licensed waste facility.

Cultural Heritage Resources: Archaeology, Built Heritage, and Cultural Heritage Landscapes

- A Stage 1 Archaeological Assessment is being completed for this Project.
- Preliminary findings of the Stage 1 Archaeological Assessment suggest that all portions of the Project Area are identified as extensively disturbed, do not retain archaeological potential, and do not require further assessment.
- A Cultural Heritage Assessment Report (CHAR) is currently being completed for the project.
- The CHAR will further evaluate potential heritage resources and, if necessary, a preliminary Heritage Impact Assessment will be conducted.

Pipeline Design, Construction and Safety

Pipeline Design



- The proposed pipeline relocation is designed to meet and/or exceed the regulations of the Canadian Standards Association (Z662 Oil and Gas Pipeline Systems) and the applicable regulations of the Technical Standards and Safety Authority (TSSA).
- New natural gas connections will not be offered to properties along the proposed pipeline relocation.

Pipeline Construction



- The construction work is temporary and transitory: once the pipe is laid, the area will be restored to as close to pre-construction condition as possible.

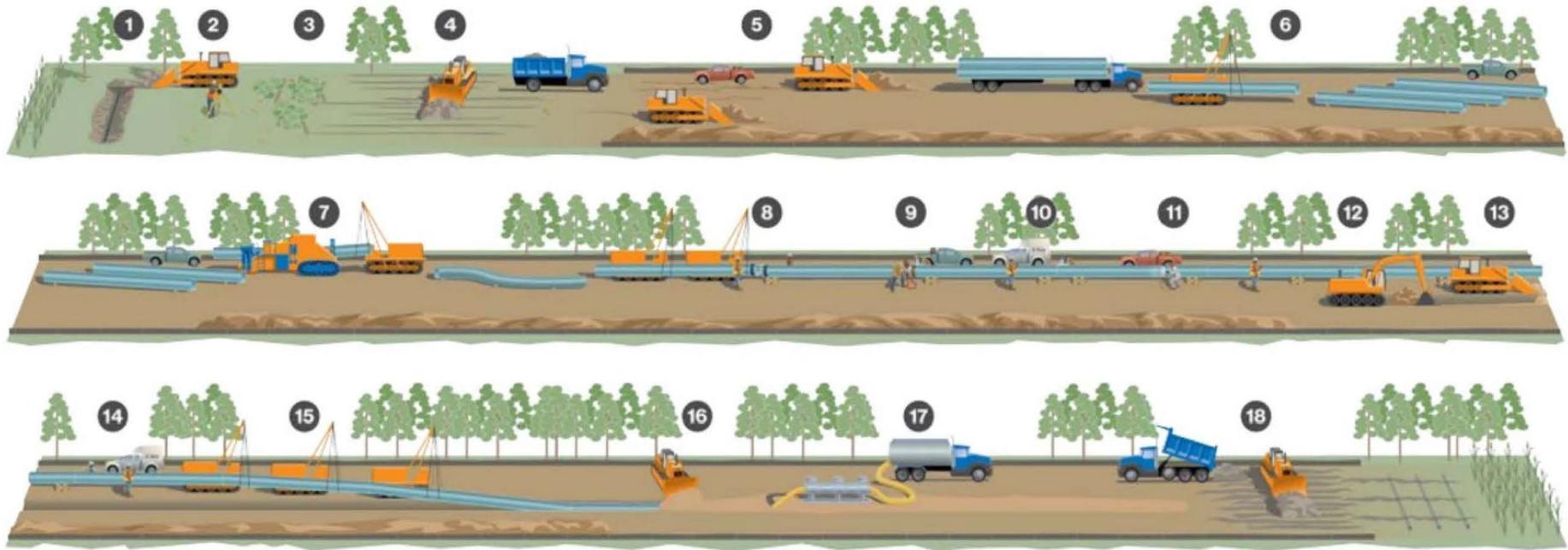
Pipeline Safety



Enbridge Gas takes many steps to safely and reliably operate their network of natural gas pipelines, such as:

- Designing, constructing, and testing their pipelines to meet or exceed requirements set by industry standards and regulatory authorities.
- Ensuring that any work is respectful of community activities, regulations and bylaws.
- Continuously monitoring their network.
- Performing field surveys to detect leaks and confirm that corrosion prevention methods are working as intended.

General Construction Overview



Step 1: Pre-construction tiling;
Step 2: Surveying and staking;
Step 3: Clearing;
Step 4: Right-of-way topsoil stripping;

Step 5: Front-end grading;
Step 6: Stringing pipe;
Step 7: Field bending pipe;
Step 8: Lining-up pipe;

Step 9: Welding process;
Step 10: X-ray or ultrasonic inspection, weld repair;
Step 11: Field coating;
Step 12: Digging the trench;

Step 13: Padding trench bottom;
Step 14: Final inspection and coating repair;
Step 15: Lowering pipe;
Step 16: Backfilling;

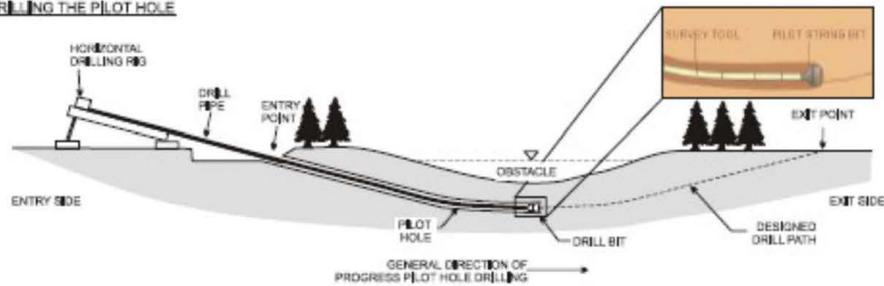
Step 17: Hydrostatic testing; and
Step 18: Site restoration and post-construction tiling.

Example of Pipeline Installation in Road Allowance

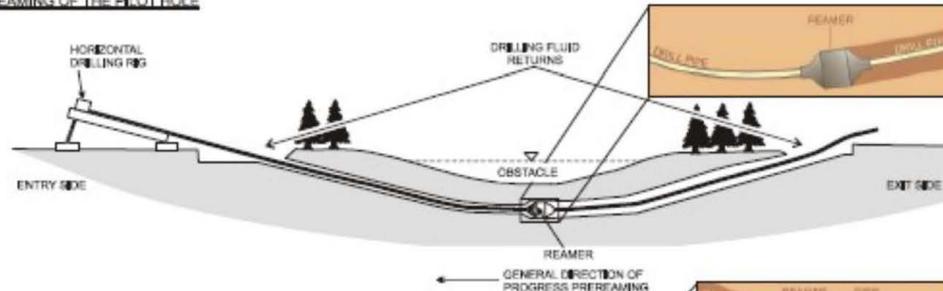


Watercourse Crossing – Horizontal Directional Drill

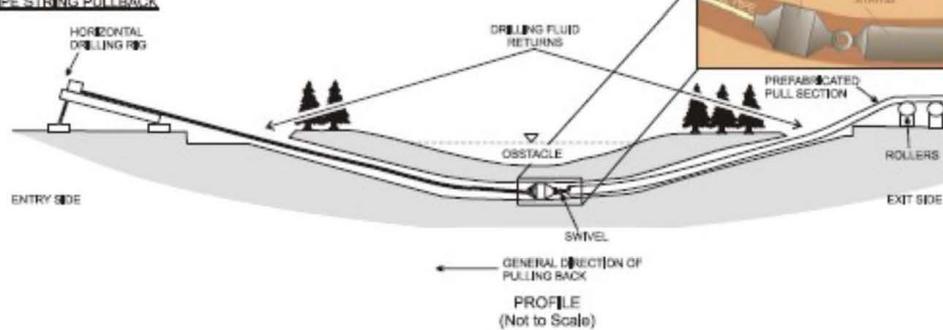
DRILLING THE PILOT HOLE



REAMING OF THE PILOT HOLE



PIPE STRING PULLBACK



Note: Modified from Canadian Association of Petroleum Producers Sept. 2004

Horizontal Directional Drilling (HDD)

Mitigation and Monitoring



Enbridge Gas is committed to working with the community on construction planning, mitigation, and post-construction monitoring. Post-construction monitoring will be conducted so that impacted areas are restored to as close to pre-construction conditions as possible.

Enbridge Gas recognizes that the construction of the pipeline may result in short-term adverse impacts and they commit to applying mitigation measures to reduce these impacts and work with affected municipalities and landowners so that issues are resolved in a timely manner.

Environmental Assessment Process and Project Schedule

| Date | Activity |
|-----------------------------------|---|
| January 12, 2023 | Project Kick-off |
| February 16, 2023 | Baseline Data Collection and Desktop Review |
| February 27, 2023 | Notice of Study Commencement |
| March 13 to March 26, 2023 | Virtual Public Information Session (We are here) |
| May 24, 2023 | Environmental Report submitted to Ontario Pipeline Coordinating Committee (OPCC) for 42-day Review Period |
| September 2023 | Anticipated for Leave-to-Construct Application submission to the OEB |
| Q2 2024 | OEB Decision |
| Spring 2024 | Tentative Construction Start Date (pending OEB approval) |
| Fall 2024 | Potential Construction Completion Date |

Continuous Stakeholder Engagement

Enbridge Gas is committed to open dialogue throughout the environmental assessment and the OEB Leave-to-Construct Application process. Stakeholders will have the opportunity to remain engaged in the process after the environmental assessment is completed, through:

- Participation in the Ontario Energy Board hearing as an intervenor or interested party (details can be found at www.oeb.ca)
- Contacting Project team members (Project contact information provided on next slide)
- Visiting the Enbridge Gas Project website at www.enbridgegas.com/LawrenceEastStationProject



Thank you for participating in our
Virtual Public Information Session!

- We want to hear from you! Please complete the Project comment form on the Virtual Public Information Session website at www.LawrenceEastStationProject.com
- After Sunday, March 26, 2023, this presentation, accompanying video transcript, and the comment form will be available for download on the Enbridge Gas website at www.enbridgegas.com/LawrenceEastStationProject.
- Please submit your feedback by **Wednesday, April 12, 2023** so it can be considered in the Environmental Report that will be submitted to the Ontario Energy Board.

Project Contact Information:

Email: LawrenceEastStationProject@dillon.ca

Phone: 519-571-9833, ext.3154

Stay Informed