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Enbridge Gas Inc.
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VIA Email and RESS

February 1, 2021

Ms. Christine Long
Registrar
Ontario Energy Board
2300 Yonge Street, Suite 2700
Toronto, Ontario, M4P 1E4

Dear Ms. Long:

Re: Enbridge Gas Inc. ("Enbridge Gas")
Ontario Energy Board ("Board") File No.: EB-2017-0147
Fenlon Falls Project ("Project")

On March 1, 2018 the Board issued its Decision and Order for the above noted proceeding which included, as Attachment B, several Conditions of Approval.

Per Schedule B, Section 6. (a) in the aforementioned Decision and Order, Enbridge Gas is to provide the Board with a Post Construction report within three months of the in-service date. Please find enclosed a copy of the Post Construction report for the Fenlon Falls project.

Please contact me if you have any questions.

Yours truly,

Alison Evans

Digitally signed by Alison Evans
Date: 2021.02.02 09:04:03 -05'00'

Alison Evans
Advisor Regulatory Applications
Regulatory Applications & Strategy

Fenelon Falls Project Post Construction Report EB-2017-0147

FINAL REPORT

January 25, 2021

File: 160950871

Prepared for:

Enbridge Gas Inc.
101 Honda Blvd.
Markham, Ontario L6C 0M6

Prepared by:

Stantec Consulting Ltd.
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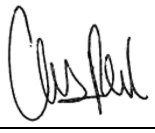
Sign-off Sheet

This document entitled Fenelon Falls Project Post Construction Report EB-2017-0147 was prepared by Stantec Consulting Ltd. (“Stantec”) for the account of Enbridge Gas Inc. (the “Client”) and will be provided to the Ontario Energy Board (OEB) by Enbridge as part of the OEB Leave to Construct (LTC) approval requirements.. The material in it reflects Stantec’s professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

Prepared by 
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Executive Summary

Enbridge Gas Inc. (Enbridge) filed an application with the Ontario Energy Board (OEB) under section 90 of the *Ontario Energy Board Act*, 1998, S.O. 1998, c. 15, Schedule B for an order granting leave to construct approximately 37 kilometres (km) of natural gas pipelines at different nominal pipe sizes (NPS) and pressure systems. The OEB issued the Leave to Construct (LTC) Decision and Order for the Project along the preferred route under file number EB-2017-0147 on March 1, 2018. The pipeline was installed in the City of Kawartha Lakes (CKL), and the Township of Brock, in the Regional Municipality of Durham (Durham Region), Ontario, to serve the Community of Fenelon Falls (the "Project"). The reinforcement pipeline is located near Sunderland, Ontario while the distribution line is located from north of Highway 7 at Taylors Road in Oakwood to Fenelon Falls, Ontario.

As part of the LTC conditions, Enbridge is required to complete a *Post Construction Report* to be filed to the OEB within three months of the in-service date. As reported to the OEB, the Project's in-service date was November 4, 2020, making the filing date for the *Post Construction Report* February 4, 2021. Enbridge will file the *Final Monitoring Report* with the OEB by June 1, 2022 as per condition 6. b) of the *EB-2017-0147 Decision and Order, Attachment B - Conditions of Approval*.

This *Post Construction Report* summarizes the following:

- Permits that were collected in support of the construction of the Project.
- The monitoring programs conducted in support of the construction of the Project.
- Complaints or issues received by Enbridge.
- Local by-law issues and instances of non-compliance, if any.
- The success of mitigation measures.
- Outstanding commitments and monitoring.
- Any potential residual and cumulative effects due to the Project.

There was ongoing consultation with regulatory authorities (i.e., Kawartha Conservation Authority (KCA), Lake Simcoe Region Conservation Authority (LSRCA), the City of Kawartha Lakes (CKL), Ministry of Transportation (MTO), etc.), landowners, residents, and other stakeholders. There were no significant (material) changes or modifications to construction methodology from the approved methods identified in the Environmental Report (ER) filed with the OEB.

Many of the potential environmental effects were avoided by locating the pipeline within the previously disturbed municipal road Right of Way (ROW) and utilizing horizontal directional drilling (HDD) methodologies to reduce and limit potential impacts to environmental features. Other potential environmental effects were further reduced by implementing appropriate feature specific mitigation

measures, observing timing restrictions during sensitive breeding and active periods, and proactively stabilizing and restoring disturbed areas as soon as possible after construction.

Construction of the Project commenced April 30, 2018. Construction activities were carried out with consideration of the environment and the residents located adjacent to the construction area. Appropriate mitigation and monitoring measures were implemented during all phases of construction for the Project to assess and minimize potential impacts. Good communication practices and meetings were key to conveying an understanding of responsibilities and reducing the likelihood of adverse environmental effects. The monitoring programs did not identify any potential long-term effects due to the Project.

Enbridge was transparent with issues identified during construction, swiftly responded to complaints or issues as they were identified, reported issues to the appropriate regulatory authority as required and determined and implemented appropriate remedial measures to address each issue. At the time of writing, there were no outstanding complaints regarding the Project.

The majority of the ROW is in a stable state with successful germination with limited potential for erosion or off-site sedimentation. Monitoring will be conducted in the community of Sunderland in the spring/summer of 2021 to determine vegetation establishment on the areas seeded in fall 2020.

Provided that all outstanding commitments identified in this report are addressed, no significant residual or cumulative effects on environmental and/or socio-economic features are anticipated from the construction of the Project.

Abbreviations

AA	Archaeological Assessment
CA	Conservation Authority
CHAR	Cultural Heritage Assessment Report
CISEC	Certified Inspector of Erosion and Sediment Control
CKL	City of Kawartha Lakes
CIAC	contribution-in-aid-of construction
Durham Region	The Regional Municipality of Durham
EI	Environmental Inspector
Enbridge	Enbridge Gas Inc.
EPP	Environmental Protection Plan
ER	Environmental Report
HDD	Horizontal Directional Drilling
HONI	Hydro One Networks Inc.
HP	high pressure
IO	Infrastructure Ontario
IR	Inadvertent Release of Drilling Fluid
KCA	Kawartha Conservation Authority
KM	Kilometers
LSRCA	Lake Simcoe Regional Conservation Authority
LTC	Leave to Construct
MECP	Ministry of the Environment, Conservation and Parks

MHSTCI	Ministry of Heritage, Sport, Tourism and Culture Industries
MTO	Ministry of Transportation
NPS	Nominal Pipe Size
NTU	Nephelometric Turbidity Units
OEB	Ontario Energy Board
PTTW	Permit to Take Water
PWQO	Ontario Provincial Water Quality Objectives
ROP	Road Occupancy Permit
ROW	Right-of-Way
SAC	Spills Action Centre
SAR	Species at Risk
SES	system expansion surcharge
Stantec	Stantec Consulting Ltd.
TCP	traffic control plan
TWS	Temporary Workspace
XHP	extra high pressure

1.0 INTRODUCTION

Enbridge Gas Inc. (Enbridge) filed an application with the Ontario Energy Board (OEB) under section 90 of the Ontario *Energy Board Act*, 1998, S.O. 1998, c. 15, Schedule B for an order granting leave to construct approximately 37 kilometres (km) of natural gas pipelines at different nominal pipe sizes (NPS) and pressure systems. The OEB issued the Leave to Construct (LTC) Order for the Project along the preferred route under file number EB-2017-0147 on March 1, 2018. The pipeline was installed, in the City of Kawartha Lakes (CKL), and the Township of Brock, in the Regional Municipality of Durham (Durham Region), Ontario, to serve the Community of Fenelon Falls (the "Project"). The reinforcement pipeline is located near Sunderland, Ontario while the distribution line is located from north of Highway 7 at Taylors Road in Oakwood to Fenelon Falls, Ontario.

As part of the LTC conditions, Enbridge is required to complete a Post Construction Report to be filed to the OEB within three months of the in-service date. As reported to the OEB, the Project's in-service date was November 4, 2020, making the filing date for the Post Construction Report February 4, 2021. Enbridge will file the Final Monitoring Report with the OEB by June 1, 2022 as per condition 6. b) of the *EB-2017-0147 Decision and Order, Attachment B - Conditions of Approval.*

1.1 SCOPE

This *Post Construction Report* has been prepared in support of the *EB-2017-0147 Decision and Order* (OEB 2018), detailing the reporting requirements upon completion of the Project and conditions current to November 30, 2020. The scope will include requirements outlined in both the Decision and Order and the OEB (2016) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario* (7th Edition).

Additional information collected after November 30, 2020 will be included in the *Final Monitoring Report* to be completed 15 months after the in-service date or, where the deadline falls between December 1 and May 31, the following June 1.

EB-2017-0147 Decision and Order, Attachment B - Conditions of Approval:

6. Both during and after construction, Enbridge shall monitor the impacts of construction, and shall file with the OEB one paper copy and one electronic (searchable PDF) version of each of the following reports:

a) a post construction report, within three months of the in-service date, which shall:

i. provide a certification, by a senior executive of the company, of Enbridge's adherence to Condition 1;

ii. describe any impacts and outstanding concerns identified during construction;

iii. describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of construction;

iv. include a log of all complaints received by Enbridge, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions; and

v. provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project.

b) a final monitoring report, no later than fifteen months after the in-service date, or, where the deadline falls between December 1 and May 31, the following June 1, which shall:

i. provide a certification, by a senior executive of the company, of Enbridge's adherence to Condition 3;

ii. describe the condition of any rehabilitated land;

iii. describe the effectiveness of any actions taken to prevent or mitigate any identified impacts of construction;

iv. include the results of analyses and monitoring programs and any recommendations arising there from;

v. and include a log of all complaints received by Enbridge, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions.

As per the OEB (2016) Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (7th Edition):

> *"The Post-construction Report should: (a) compare the predicted impacts (including cumulative impacts) and mitigation measures with the actual ones; (b) discuss the reasons for any deviations which may have occurred; (c) describe the success of the restoration; (d) identify opportunities for improvement in mitigation for future pipeline projects; (e) log landowner complaints with an explanation of any outstanding landowner concerns; and (f) detail any instances where the provisions of a local by-law have not been complied with and the reasons for such non-compliance."*

This report summarizes requirements of *Conditions of Approval 6 (a)* including:

- Permits that were collected in support of the construction of the Project.
- The monitoring programs conducted in support of the construction of the Project.
- Environmental compliance implementation.
- Consultation for the Project.

- Complaints or issues received by Enbridge.
- Local by-law issues and instances of non-compliance, if any.
- The success of mitigation measures.
- Outstanding commitments and monitoring.
- Any potential residual and cumulative effects because of the Project.

Included in the report are outstanding commitments that require monitoring or resolution and will be summarized in the *Final Monitoring Report* due 15 months after the in-service date or, where the deadline falls between December 1 and May 31, the following June 1.

2.0 THE PROJECT

2.1 PROJECT DESCRIPTION

Enbridge constructed a total of approximately 37 kilometres (km) of natural gas pipelines at different nominal pipe sizes (NPS) and pressure systems. The pipelines were installed in the City of Kawartha Lakes (CKL) and the Township of Brock in the Regional Municipality of Durham (Durham Region), Ontario, to serve the Community of Fenelon Falls in Ontario. The pipelines were located within existing road allowances and included installation in two separate segments including a pipeline to supply the community of Fenelon Falls and the Sunderland reinforcement. See Figure 1 in Appendix A for the location of both pipeline segments.

2.1.1 Pipeline to Supply the Community of Fenelon Falls

The pipeline to supply the community of Fenelon Falls originates approximately 1.2 km north of the intersection of Highway 7 and Taylor's Road in Oakwood. The pipeline runs north along Taylors Road, continues east along Quaker Road, north along Eden Road and then east along Cambray Road/County Road 9 to join Highway 35. At Highway 35, the pipeline travels north to County Road 121 and then heads northeast to the Community of Fenelon Falls. The pipeline terminates near the intersection of Bond Street and Colborne Street/ County Road 121, for a total of approximately 29 km of a combination of NPS 6-inch and 4-inch extra high pressure (XHP) steel, and NPS 6-inch high pressure (HP) polyethylene natural gas pipeline.

2.1.2 Sunderland Reinforcement

The Sunderland reinforcement segment consists of approximately 8 km of NPS 6-inch steel XHP pipeline that originates near the intersection of Highway 7/12 and Regional Road 10/Brock Concession Road 6 in the Community of Sunderland. The pipeline travels east along Brock Concession Road 6, north on Simcoe Street, and terminates at the intersection of Simcoe Street and Farmstead Road, south of the Hamlet of Manilla, where it ties into an existing Enbridge NPS 6-inch pipeline. The reinforcement pipeline is parallel to Enbridge’s existing NPS 4-inch pipeline.

2.1.3 Schedule

Construction of the pipeline commenced on April 30, 2018 with an in-service date of November 4, 2020. Restoration was proactive and on-going throughout construction with final clean-up occurring throughout each year. The Environmental Report (ER) and permitting process identified various timing restrictions for construction to avoid breeding and active periods for birds, turtles, and bats. Enbridge adhered to construction timing restrictions whenever possible or completed the necessary surveys and/or established appropriate mitigation measures when required to proceed with construction within these timing restricted activity periods.

2.1.4 Supporting Studies for the Project

In support of permitting requirements for the Project, Enbridge coordinated the execution of field studies and the preparation of respective reports to file with the appropriate provincial regulators and to assist with the design, construction, and development of mitigation measures. Table 2-1 lists the reports that were generated for the Project.

Table 2-1: Reports in Support of the Project

Report Title	Author	Report Date
Proposed Natural Gas Pipelines to Serve the Community of Fenelon Falls Environmental Report	Stantec Consulting Ltd.	April 21, 2017
Stage 1 Archaeological Assessment, Proposed Pipelines to Serve the Community of Fenelon Falls	Stantec Consulting Ltd.	November 16, 2016
Hydrogeologic Assessment Report, Category 3 Permit to Take Water, Enbridge Gas Distribution Inc., Proposed Natural Gas Pipeline to Serve the Community of Fenelon Falls	Stantec Consulting Ltd.	January 9, 2018
Stage 2 Archaeological Assessment, Proposed Pipelines to Serve the Community of Fenelon Falls	Stantec Consulting Ltd.	March 9, 2018
Geotechnical Investigation Expansion to Fenelon Falls Project No. 121620558	Stantec Consulting Ltd.	September 29, 2017
Fenelon Falls Pipeline, Cultural Heritage Assessment Report	Stantec Consulting Ltd.	May 14, 2018
Environmental Protection Plan: Natural Gas Pipeline to Serve the Community of Fenelon Falls – Version 2	Stantec Consulting Ltd.	April 9, 2018
Geotechnical Investigation Sunderland Reinforcement Beaver River Crossing	Stantec Consulting Ltd.	April 17, 2019
Hydrogeologic Assessment Report, Category 3 Permit to Take Water, Enbridge Gas Inc., Proposed Natural Gas Pipeline to Serve the Community of Fenelon Falls – Sunderland Segment	Stantec Consulting Ltd.	April 23, 2019
Environmental Protection Plan: Natural Gas Pipeline to Serve the Community of Fenelon Falls – Version 2	Stantec Consulting Ltd.	July 23, 2019
Stage 1-2 Archaeological Assessment, Proposed Pipeline to Serve the Community of Fenelon Falls, Additional Temporary Work Spaces - Sunderland Extension. Parts of Various Lots and Concessions, Geographic Township of Brock, now part of the Regional Municipality of Durham, and the Geographic Township of Mariposa, now the City of Kawartha Lakes, Ontario	Stantec Consulting Ltd.	July 25, 2019
Stage 1-2 Archaeological Assessment, Proposed Pipeline to Serve the Community of Fenelon Falls, Additional Temporary Workspaces TWS5 and TWS6 and Odorant Remediation Area - Sunderland Extension. Part of Lot 19 and 20, Concession 5, and Lot 19, Concession 6, Geographic Township of Brock, former Ontario County, now Regional Municipality of Durham, Ontario	Stantec Consulting Ltd.	October 23, 2019

2.2 MODIFICATIONS TO THE PROJECT

There were no (material) changes or modifications to construction methodology from the approved methods identified in the ER.

2.3 ENVIRONMENTAL PERMITS

Enbridge completed regulatory consultation with all levels of municipal, provincial and federal regulators to determine the environmental permits and approvals required for each segment of the Project. A list of environmental permits obtained for the Project is provided in Appendix C.

2.4 ENVIRONMENTAL PROTECTION PLAN

Two comprehensive Environmental Protection Plans (EPP) (Stantec 2018c and 2019b) were developed for the Project for each segment, respectively. The EPPs were distributed to supervisory Project personnel including Enbridge Site Inspectors, Environmental Inspectors (EIs) and Contractor Foremen and supervisory staff. Prior to construction, a presentation was delivered by the EI to all Project and contractor staff to present the EPP and other environmental permitting commitments.

The EPP included both general and site-specific environmental protection and mitigation measures based on:

- Past project experience
- Supporting studies (see Table 2-1)
- Enbridge Pipelines Inc. *Environmental Guidelines for Construction* (Enbridge, 2012)
- Conservation authority (CA) permits from Kawartha Conservation Authority (KCA) and the Lake Simcoe Region Conservation Authority (LSRCA)
- Results of biophysical field programs conducted in support of the Project
- Environmental regulatory and industry developed mitigation strategies and best management practices
- *Proposed Natural Gas Pipelines to Serve the Community of Fenelon Falls Environmental Report* (Stantec 2017)
- *Enbridge Gas Inc. Construction and Maintenance Manual* (2019)
- *Hydrogeologic Assessment Reports, Category 3 Permit to Take Water* (Stantec 2018a and 2019a)
- *Cultural Heritage Assessment Report* (Stantec 2018b)

Environmental Alignment Sheets included in the *EPP* provided an environmental feature overview of each segment of the pipeline. The air photo-based mapping illustrated the location of key environmental and socio-economic features adjacent to the pipeline alignment. The alignment sheets also identified and described items such as conservation authority regulated areas, wetland and watercourse locations, construction timing windows, vegetation clearing windows, feature crossing method, species at risk locations and built heritage properties and landscapes.

The Project staff used the EPP in conjunction with the environmental permit conditions. If there were any variances between the EPP and permit conditions, Enbridge environmental staff flagged the variances and reviewed them with construction staff prior to initiation of construction at the site. Whenever there was overlap or variances between the commitments in the *Environmental Report*, *EPP*, *Permits*, or other Project documents, the more stringent commitment was adopted.

3.0 MONITORING PROGRAMS

3.1 CONSTRUCTION MONITORING PROGRAMS

Enbridge implemented several monitoring programs to monitor potential effects during construction of the Project. Some of the monitoring programs were required by permit conditions from regulatory authorities, and others were carried out as due diligence measures. The monitoring program for the Project focused on areas where the ER identified potential interactions with the environment. This section describes the monitoring programs implemented during construction of the Project along with a general discussion of the results of each program.

3.1.1 Environmental Inspection Program

Enbridge contracted Stantec Consulting Ltd. (Stantec) to provide an EI for the Project. Stantec provided trained EIs that were Certified Inspectors of Sediment and Erosion Control (CISEC). EIs conducted regularly scheduled inspections during construction as well as additional inspection during and after major weather events or when construction was occurring near sensitive environmental features. Following restoration, the EIs conducted regular follow-up inspections to observe and report on the post construction conditions of the right-of-way (ROW).

The EI's main responsibilities were:

- assist Enbridge and the contractor in being compliant with environmental commitments, undertakings and conditions of environmental permits and approvals
- to observe and document that mitigation and protection measures were being implemented and maintained to be effective
- communicate to workers and inspectors the environmental sensitivities and permit requirements for the site when the EI was not on-site
- to observe and document that all work was completed in accordance with applicable environmental regulations and Enbridge policies, procedures, and specifications

If the EIs observed any non-compliance issues during construction, they worked with Enbridge personnel to notify the appropriate regulators and to ensure that potential risks to the environment were addressed in a timely manner.

Enbridge Inspectors provided fulltime inspection during construction to assist in confirming that construction staff adhered to environmental commitments during construction activities.

3.1.2 Groundwater and Surface Water Monitoring

Prior to construction, Enbridge determined that construction of the Project may require groundwater dewatering greater than 400,000 L/day resulting in the need for a Permit to Take Water (PTTW) from the Ministry of the Environment, Conservation and Parks (MECP). The MECP issued a PTTW for each segment of the Project that included the requirement for Enbridge to monitor the turbidity of the discharged water should it enter a watercourse of the Fenelon Falls section or during any de-watering during construction of the Sunderland section. Additional mitigation measures implemented to reduce impacts of dewatering upon the environment included de-watering to low well vegetated areas greater than 30 m away from waterbodies and using sediment bags to reduce suspended solids in discharged water. Monitoring flow paths of discharged water was on-going throughout construction including moving discharge locations should water be observed to migrate towards waterbodies.

Minimal groundwater was encountered during construction of the Project and no water from de-watering activities was observed entering a waterbody. Turbidity monitoring was only required during construction at one location on the Sunderland Segment with discharge volumes too low to collect accurate data. Water volumes will be reported to the MECP through their online system, as per the PTTW requirements.

3.1.3 Vibration

A Cultural Heritage Assessment Report (CHAR) was prepared by Stantec and included an initial screening of built heritage resources within a 50 m buffer of the preferred pipeline route. Heritage resources within the project boundary were identified by a qualified cultural heritage specialist. Built heritage resources within 10 m of the pipeline alignment were further identified as at-risk for indirect impacts resulting from construction-related ground vibrations. The need for vibration monitoring was further investigated at these locations based on the proposed construction methods and pipe size, to mitigate potential indirect impacts.

As a result, a screening protocol was developed to select the most critical built resources. At these resources and where approval was obtained from the landowner, a pre-construction condition survey was completed. Initially, vibration monitoring was completed when construction activity was within a 10 m setback distance of a heritage resource. The rate of vibration attenuation for the local ground conditions was obtained for different construction techniques (e.g., Horizontal Directional Drilling (HDD), open-cut trenching). Stantec was then able to predict the vibration levels from given construction activities at a given distance, elsewhere along the pipeline route. In conclusion, it was determined that vibration monitoring be completed at the remainder of the built heritage resources where the setback distance from construction was 5 m or less.

Monitoring included establishing vibration monitors at the recommended sites with data either collected remotely or using in-person monitoring. Measurements were compared against construction vibration limits from the Deutsches Institut Fur Normung (German National Standard) 4150-3. These vibration limits are a commonly applied cautionary limit for buildings of historical significance.

Exceedances were noted on 4 separate days (1 day at a residence on Highway 35 and 3 days at the Fenelon River Bridge in the Community of Fenelon Falls). Pre-construction condition surveys were completed at both these locations on June 15, 2018 and April 24 and 26, 2018, respectively, and indicated numerous, pre-existing deficiencies.

The exceedances at the first location (September 20, 2018 at the residence on Highway 35) were caused by open-cut trenching and reaming. Stantec informed Enbridge of the exceedance who decided to use a lower-impact method of construction in proximity to the residence. Due to the proximity of the pipeline route at this heritage resource (<2 m), the lower-impact activity was still in exceedance of the recommended limits at the foundation of the structure. Despite the exceedance there were no complaints of building damage resulting from the construction. In November 2020, Stantec attempted to contact the resident both in person, and later with a written notification letter offering to complete a post construction condition survey of the property. No response from the resident has been received at this time.

The exceedances at the Fenelon River Bridge occurred on November 30 and December 1 and 3, 2018 and were not conclusively confirmed to be related to Enbridge's construction activities. Typically, vibration levels from HDD are continuous in nature, and slowly increase as the drill approaches the geophone, and decreasing after it passes. However, the exceedances noted at the bridge were abrupt, short-duration spikes, suggesting, those recordings were not a result of Enbridge's construction activities. During the post construction assessment conducted on November 27 and December 4, 2020, continued degradation was noted at one of the piers which does not appear to be related to the installation of the pipeline as the pre-construction survey indicated already occurring degradation. No new deficiencies or other concerns were observed.

3.1.4 Well Monitoring

Enbridge conducted a pre-construction water well monitoring program to collect representative groundwater samples along the proposed route and establish groundwater conditions prior to construction activities. Letters were distributed to residents with groundwater wells noted to be within 50 m of the ROW to allow residents to take part in the program. Final monitoring locations for the program were selected based on resident interest, their location along the pipeline route and the type of well (dug vs. drilled). Locations were selected strategically to ensure sufficient representation along the pipeline route, with focus on at-risk wells (i.e. dug wells), where appropriate. The monitoring program included:

- a questionnaire for residents
- water quality sample collection for baseline conditions
- measurement of the water level in the residential well, if accessible, under static conditions and during operation of the residential well pump

Upon receiving water quality data, the baseline conditions were provided to landowners for their consideration. A total of 30 wells were sampled prior to construction from 27 separate residences. If Enbridge receives a water well complaint, Enbridge is committed to working with the resident to resolve the issue. To date, no complaints have been received.

4.0 MITIGATION MEASURES AND COMPLIANCE

The following section outlines the primary mitigation measures implemented during construction. These measures were implemented to reduce the environmental and socio-economic effects from construction of the Project and to identify and rectify any deviations from the proposed mitigation measures initially identified in the ER for the Project. See Appendix B for photos of mitigation measures implemented throughout construction and the current conditions of the ROW.

4.1 PIPELINE AND FACILITIES CONSTRUCTION

Appropriate mitigation measures were established during construction for the Project to reduce the potential for impacts. Good communication and regularly scheduled meetings (weekly when possible) during construction between Enbridge supervisory and inspection staff, the Contractor and EI(s), was key to review proposed work, understand responsibilities, and discuss opportunities for the reduction of potential adverse environmental effects.

Many of the potential environmental impacts were avoided by locating the Project within the previously disturbed municipal ROW and utilizing HDD under sensitive features, including wetlands and watercourses. Other potential adverse environmental effects were reduced by implementing appropriate mitigation measures and best management practices including observing construction timing windows and reducing potential interactions during sensitive breeding and active periods, implementing, inspecting and maintaining erosion and sediment control measures, and proactively reclaiming disturbed areas as soon as possible following construction.

4.1.1 Wildlife

4.1.1.1 Migratory Bird Nesting Surveys

Since some construction was scheduled to occur within the migratory bird nesting period, nest surveys were completed by a qualified scientist prior to any vegetation clearing activities using protocols set forth in the *Draft Migratory Birds Convention Act: A Best Management Practice for Pipelines* (CEPA and Stantec 2013). According to the protocols, if construction did not commence within 7 days of the initial nest survey, additional surveys were required.

Any active nests discovered were provided a species-specific buffer and no direct or sensory disturbances (construction) allowed in the area until it was confirmed that the nest was no longer active.

Ten (10) nests were observed during pre-construction nest surveys which required avoidance to allow fledglings to leave the nest prior to construction.

4.1.1.2 Turtles

Wetlands and watercourse crossings were conducted by HDD whenever possible to reduce the potential for impacts to aquatic wildlife species including turtles. Prior to construction near wetlands and watercourse crossings and in areas where turtles may inhabit and potentially nest, pre-screening surveys were completed to avoid nests if work occurred during nesting season. In areas where nesting turtles may be present and after an initial pre-screening survey was conducted, exclusion fencing was established around the HDD entrance to exit locations to prevent turtles from entering a work area. If a turtle nest was discovered or suspected, the nest was protected, and construction activities were limited or adjusted in the area.

One active nest was suspected in proximity to where work was being completed on Concession Road 6 near Beaver River, east of the community of Sunderland. Although work was being completed on the asphalt surface of the road and no traffic was occurring on the shoulders of the road where the nest was observed, protection fence was established to avoid the potential for an inadvertent disturbance to the nest. No disturbance of the suspected nest or the adjacent area occurred, and the fence was removed upon the completion of work in the area.

4.1.1.3 Species at Risk

The *ER* identified seven (7) Endangered or Threatened species at risk (SAR) which were either observed or could potentially be found within the Study Area for the Project. Project construction avoided sensitive SAR habitat wherever possible by placing the pipeline within the previously disturbed municipal ROW and implementing HDD, which significantly reduced potential conflicts with SARs. Where avoidance of habitat was not possible, sites were screened for the presence of SARs prior to construction and exclusion barriers were established to prevent interaction with potential nesting SAR (see Sections 4.1.1.1 and 4.1.1.2).

No federally or provincially listed SARs were identified within or adjacent (i.e., within 30 m) of the Project footprint during construction.

4.1.2 Aquatic Species and Watercourse Crossings

Throughout the permitting stage of the Project, Enbridge consulted with CAs to identify watercourses and determine design crossing strategies/procedures to limit the overall impact of construction on the watercourses. Watercourse crossings were completed using trenchless technology (i.e., HDD) and were not obstructed in a way that impeded the free movement of water or fish. Drilling equipment (e.g., drill rig, support equipment, sump) was set up 30 m from watercourses as per CA permit requirements. Vegetation clearing was limited to only areas required for excavation and grading and ESC measures were implemented to prevent off-site sediment migration into watercourses which could result in an adverse impact to aquatic species or their environment.

Tie-ins, re-vegetation and stabilization were progressive and implemented directly after the completion of the drilling. Environmental Inspection occurred regularly during the Project to assess the conditions of the environmental protection measures and recommend improvements, as appropriate, to prevent impacts to aquatic resources.

CA permits were reviewed prior to construction with applicable parties and were kept onsite for the duration of the HDD. Watercourses were crossed as per the permits granted by the appropriate regulatory authority except for one crossing which was dry at the time of construction. Additional information on this crossing can be found in Section 4.2.

4.1.2.1 Horizontal Directional Drilling

The primary concerns regarding the potential effects of pipeline construction on fish and fish habitat are species viability and potential impacts during spawning/nursery activities. Both concerns were significantly reduced by using trenchless crossing techniques (HDD).

Potential effects during HDD include siltation and sedimentation during a surface release of drilling fluid or because of erosion and sediment transport during significant precipitation events. To reduce the risk of potential erosion and sedimentation from HDD activities and an inadvertent release of drilling fluid (IR), erosion and sediment control mitigation measures were established at drilling sites. The potential release of drilling fluid was mitigated through the installation of protection measures prior to the onset of drilling and having the appropriate spill response materials (e.g., silt fence, straw bales, vacuum trucks, etc.) readily available at all times during drilling. The potential for off-site sediment transfer was reduced by establishing SiltSoxx™ at the HDD entrance and exit pits and limiting grading and overall disturbances where possible.

During HDD, the Contractor continually monitored drilling fluid volumes and pressure conditions in the borehole and carried out regular ground surface inspections along and within 30 m of the drill path.

4.1.2.2 Inadvertent Fluid Release Emergency Response

Prior to drilling, emergency response materials and heavy equipment (vacuum trucks/backhoes) as described in the *ER* and EPP were stationed onsite near the subject watercourses in an accessible location. If discovery of an IR occurred outside of the isolated entrance and exit locations, drilling was stopped, the IR was isolated from the watercourse or migration paths to the watercourse with the installation of silt fencing/straw bales/sandbag dams/corrugated culverts. Drilling fluid was collected and returned to the appropriate location. Any IR which could potentially result in an impact upon the environment were reported to the MECP's Spills Action Centre (SAC) and/or other appropriate agencies (CAs) immediately. Enbridge reported releases to the SAC as per Part X of the *Environmental Protection Act*) and/or the local CA as per permitting requirements (see Section 4.6 Spills for recorded and reported spills).

4.1.3 Wetland Crossings

All wetlands that were crossed by the Project encroached into the municipal road ROW and were crossed by HDD. Tie-in pits within wetlands were only required at one location due to its size, otherwise the entrance and exit pits were set back 30 m from the edge of the wetland, where possible. Restoration of the wetlands included backfilling (subsoil then topsoil) and seeding any disturbed areas with an appropriate native seed mix or leaving for natural recovery.

4.1.4 Cultural Heritage Sites

To prevent negative indirect Project Impacts, heritage resources were isolated from Project activities where possible. Cultural heritage sites were identified within the EPP and avoided by placing HDD entry and exit pits away from these features or establishing fence to limit the potential for inadvertent impacts during construction. When construction or drilling occurred within 10 m of sites and there was potential for impacts, vibration monitoring occurred (see Section 3.1.3).

No direct impacts to cultural heritage sites occurred during construction as special care was taken to create isolation and buffer zones in the vicinity of these resources and implement vibration monitoring, where required.

4.1.5 Archaeology

Prior to construction and in consultation with the Ministry of Heritage Sport Tourism and Culture Industries (MHSTCI) and Indigenous communities (see Section 5.0), a Stage 1 archaeological assessment (AA) was completed for the full length of the Project. The Stage 1 AA included a review of past archaeological assessments which had been carried out within the study area and identified areas where Stage 2 AAs were necessary to meet regulatory requirements under the *Ontario Heritage Act*. Stage 2 AAs were completed along the municipal ROW and in areas designated for TWS located outside of the ROW to identify potential areas where Stage 3 and/or Stage 4 AA may be required. During the Stage 1 and 2 AAs, three Euro-Canadian sites were discovered but considered to not have cultural value. During construction, no archaeological sites or artifacts were encountered within the ROW or TWS.

4.1.6 Spills

Spill reporting occurred throughout the Project whenever there was a release to the natural environment (land, water, air). Upon observation of a spill by any member of the Project Team (i.e., Enbridge Inspectors, Contractor personnel, etc.), the EI was notified. If it were confirmed that the spill reached the natural environment and could potentially cause an adverse effect on the environment, details of the spill were collected and reported to the MECP's SAC. Spills were also reported to the local CA based on requirements outlined in the permit conditions.

There was a total of four IRs during HDDs across the Project. The Contractor was quick to respond and clean-up the releases with only one minor release entering a waterbody which occurred in a small wetland (marsh) on Simcoe Street on the Sunderland Section. This release was also immediately cleaned up. No residual significant impacts were observed or were anticipated due to the release.

All non-IR related spills were managed by immediately containing the spills and implementing the response measures described within the EPP, such as utilizing spill kits and other absorbent materials. Any damaged or effected equipment was repaired prior to resuming service. MECP's SAC did not require notification for non-IR related spills as they were minor and did not cause or have the potential to cause adverse affects on the environment.

4.2 LOCAL BY-LAW ISSUES AND NON-COMPLIANCES

During construction, Enbridge did not record any by-law issues. Some areas which were permitted for HDD (KCA permits) were open trenched without a permit amendment including open-trenching through a dry watercourse channel (KCA Disturbance Area #1 in Appendix B) in the Fenelon Falls Segment and within the CA regulated area but primarily outside of the wetlands for two wetlands (KCA Disturbance Area #2 and #3 in Appendix B) in the Sunderland Segment. No in-water works occurred during construction and KCA was immediately notified of the occurrences. The sites were immediately restored and stabilized in consultation with KCA. No direct impacts to fish or fish habitat occurred from the work with all three sites currently stabilized and similar to pre-construction conditions.

Enbridge implemented corrective actions for the above non-compliances which, based on the non-compliance, included reviewing the incidents with the Contractor, communicating expectations that environmental aspects of the work be reviewed daily and recorded on the Job Assessment Risk Recognition card and ensuring sensitive and regulated areas are marked appropriately in the field. Refresher training was also provided to the Contractor and field inspectors, which included reviewing the EPP and alignment sheets.

5.0 CURRENT CONDITION OF THE RIGHT-OF-WAY

Restoration of the site was progressive throughout construction (see Appendix B for photos). Sites were seeded at the appropriate time of year and temporarily stabilized with ESC measures where required. Once installation was completed, the site was re-graded as soon as practical to match pre-existing conditions and the topsoil replaced. Appropriate erosion and sediment control (ESC) measures were implemented as needed, and the area seeded and/or covered with hydro-mulch (restored) to establish vegetation for stabilization. Restoration of both segments has been completed and the ROW was assessed in late summer and fall 2020 for current conditions. The sections which were installed in 2018 and 2019 are well stabilized and have very good vegetation growth and diversity. The sections which were installed in 2020 have all been restored with vegetation growth moderately established along most of the ROW. Areas requiring additional vegetation growth are expected to germinate in the spring or obtain a seed source from the vegetation located adjacent to the ROW.

Since construction was completed by both HDD and open trenching techniques, potential areas of settlement would have been confined to tie-in pits and areas where trenching occurred. There were no observations of significant settlement along the ROW which would require additional restoration.

Most sensitive sites (watercourses and wetlands) fell under CA permitting and were avoided by HDD and setting back pits 30 m from these sensitive features where possible. Where tie-in pits were required within wetlands, these sites have been stabilized and either left for natural revegetation or seeded with the appropriate mix as required by the CA. There were no stability concerns or sedimentation risks observed at either wetlands or watercourses along the ROW.

Overall, the ROW is in excellent condition and stabilized with only a few minor bare areas which had recently been seeded in fall 2020 and will require subsequent monitoring. Monitoring will continue in spring/summer of 2021 to determine vegetation establishment on the areas seeded in fall 2020 and these areas will be included in the *Final Monitoring Report* to be filed no later than June 1, 2022.

6.0 STAKEHOLDER RELATIONS AND COMPLAINT MANAGEMENT

Enbridge committed to ongoing communication with agencies, stakeholders, Indigenous Communities, and the public regarding the Project throughout construction. Design and construction scheduling were made available to interested parties, as necessary. In addition, Enbridge continued to meet with agencies and stakeholders to determine and confirm technical details of the pipeline design, construction coordination, and permitting requirements.

Agencies and stakeholders that Enbridge continued to work closely with included local municipalities and regions, KCA, LSRCA and the Ministry of Transportation (MTO). Enbridge also coordinated closely with utility companies and adjacent landowners on various aspects of the Project.

As a requirement of approval to construct the Project, Enbridge has been tracking and responding to comments and complaints received throughout the duration of the construction period. This report documents the complaints tracking and management process and provides the log of complaints received and the steps taken by Enbridge to resolve them.

6.1 RECORDING AND RESPONSE PROCESS

When a complaint was received, Enbridge recorded and tracked the response to manage and resolve the complaint. The process involved recording the complaint and recording the correspondence between the complainant and Enbridge as efforts were made to reach a resolution. Correspondence between the complainant and Enbridge included phone calls, on-site visits, emails and in-person meetings. Actions to reach a resolution were tracked and followed up by Enbridge to confirm resolution. The following chapter outlines the summary of complaints received and introduces the Complaints and Resolutions log.

6.2 SUMMARY OF COMPLAINTS

Enbridge maintained a communication log for the duration of the construction period for the Project. The log was used to track complaints received and the correspondence and actions executed to resolve the complaints. Appendix D provides a copy of the log. This log is a living document in which content is added as complaints, actions and resolutions are managed.

The log includes the following content for each complaint received:

- Description – the overarching issue raised in the complaint received (e.g., dust, noise)
- Resolution – details of the actions implemented to achieve a resolution and justification if necessary
- Status – identification if the actions for resolution are complete, or ongoing

During the construction and restoration phases of the Project, there have been fifty-one (51) recorded complaints received by Enbridge. Complaints received generally related to the following issues:

- General safety concerns
- Damage to existing utilities
- Stormwater and flooding concerns
- Traffic safety
- Sounds from construction
- Sink holes and/or settlement on land
- Poor or not completed restoration

All complaints were addressed as quickly as possible and as of November 30, 2020, there are no unresolved complaints.

7.0 PROJECT EFFECTS SUMMARY

7.1 RESIDUAL OR CUMULATIVE EFFECTS

Important components that reduced the overall potential for residual and cumulative effects from construction of the Project included:

- pre-construction planning and consultation with regulators and other stakeholders
- reducing the overall footprint of the Project
- using HDD as the preferred method of installation for most of the ROW
- utilizing existing disturbed municipal ROW where possible
- regular monitoring and environmental inspection during construction
- contingency planning
- designing appropriate environmental protection measures to be effective in both the short and long term
- proactively reclaiming sites upon completion of work
- responding and addressing stakeholders' concerns in a timely manner

Residual effects are those that remain following the implementation of mitigation measures or post construction restoration. Cumulative effects are those that can occur because of the combination of interactions of effects on the same project; the combination of interactions of effects on the Project with other projects; and the combination of effects over time in the same space.

Cumulative effects from the ER were mitigated by avoiding disturbances to natural heritage features, constructing the Project in existing disturbed municipal ROWs, limiting the overall size of the footprint that the Project had upon the environment and consulting with municipalities to schedule construction activities to avoid interaction with other construction projects or community events.

Appendix E presents the environmental features identified in the Project area, predicted effects on said features, a brief discussion on the success of the mitigation measures and the current residual effects related to construction of the Project. Identified potential effects are based on current conditions.

Since no outstanding issues were identified in Section 8.0 that are likely to adversely affect the environment, no significant residual, or cumulative effects on environmental and/or socio-economic features are anticipated because of the Project.

8.0 OUTSTANDING COMMITMENTS

8.1 RESTORATION

Final restoration was ongoing throughout construction with the final section completed in summer and fall 2020 following construction completion. There are no outstanding areas requiring restoration.

8.2 MONITORING PROGRAMS

To comply with permit conditions and the LTC Conditions of Approval for the Project, Enbridge will file a *Final Monitoring Report* with the Board by June 1, 2022 which will include monitoring site visit(s) as required by a qualified EI in summer 2021 to inspect the conditions of the ROW. No other monitoring programs will be continued into 2021.

9.0 REFERENCES

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APPENDIX A
Figures

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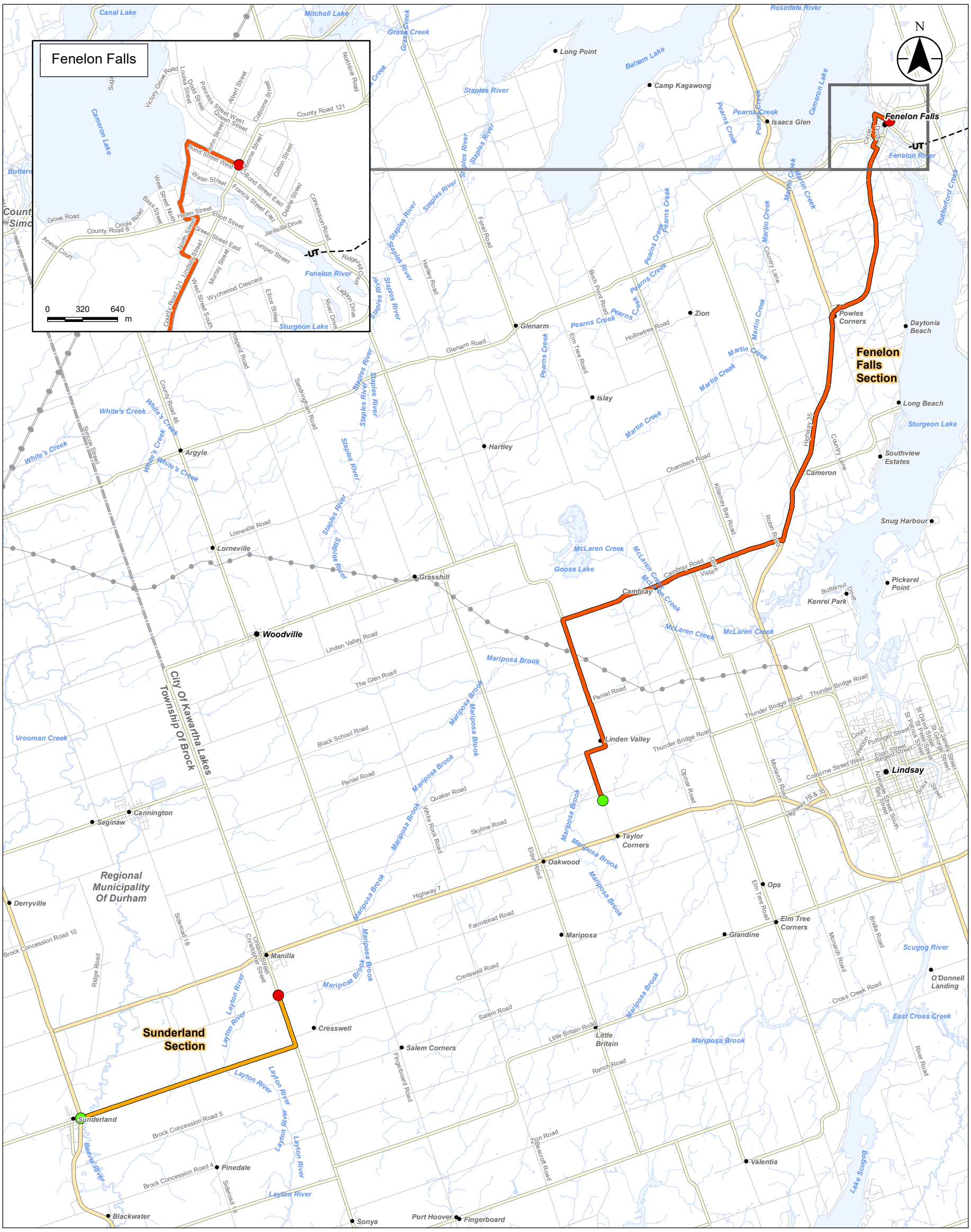

Notes

1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2016.

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Stantec

ENBRIDGE

Project Location
City of Kawartha Lakes and Township of Brock

160950871
Prepared by SPE on 2019-07-03
Technical Review by BCC on 2018-03-23

Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINES TO SERVE THE COMMUNITY OF FENELON FALLS

Figure No.
1

Title
Project Overview – Pipeline to Serve the Community of Fenelon Falls

APPENDIX B
Photo Logs

Photo 1: Placing topsoil and straw for stabilizing a road ditch on Taylors Rd., south of Quaker Rd. looking north (June 2018)

Photo 2: Reclaimed Road embankment at 320 Hwy. 121, looking north (July 2018). See Photo 23 for site conditions in 2020

Photo 3: Reclaimed disturbances immediately after construction on North St. at Eva St. in the Community of Fenelon Falls, looking southwest (July 2018)

Photo 4: Replacing sidewalk along Lindsay St. at Veterans Way, immediately after construction in the Community of Fenelon Falls, looking southwest (July 2018)

Photo 5: Protecting stormwater intakes in the Community of Fenelon Falls at North St. (August 2018)

Photo 6: Replacing asphalt at North St. and Helen St. in the Community of Fenelon Falls (August 2018)

Photo 7: Vegetation establishment after pipeline installation on Hwy. 121 and Johnston Rd. (September 2018)

Photo 8: Reclaimed and stabilized KCA Disturbance Area #1 On Cambray Rd., east of Robin Rd. looking east (October 2018)

Photo 9: Reclaimed and stabilized KCA Disturbance Area #1 two weeks after restoration, looking west (October 2018)

Photo 10: Reclaimed area near Photo 3 approximately three months after restoration, looking west (October 2018)

Photo 11: Storing potentially contaminated soil on Hwy. 35, south of Hwy. 121 (November 2018)

Photo 12: Open trenching along Simcoe St., south of Concession Road 7 looking north (August 2019)

Photo 13: Silt Soxx™ installed around drill pad location at intersection of Simcoe St. and Farmstead Rd., looking west (August 2019)

Photo 14: Reclaimed and stabilized drainage ditch in KCA Disturbed Area #2 on Simcoe St, south of Concession 7, looking south (September 2019)

Photo 15: Reclaimed and stabilized drainage ditch in KCA Disturbed Area #3, on Concession 6, east of Sideroad 18, looking east (October 2019)

Photo 16: Turtle nest protection established to avoid impacts to potential nest identified near the Beaver River on Concession Rd. 6, looking northwest (June 2020)

Photo 17: Turtle protection fencing erected around HDD entrance pit at 1680 Concession Rd. 6 (June 2020)

Photo 18: Inadvertent release protection measures established on Concession Rd. 6, west of Sideroad 18 (June 2020)

Photo 19: Silt Soxx™ containment around HDD entrance pit along Concession 6 (June 2020)

Photo 20: Silt Soxx™ established at HDD entrance pit at 1361 Concession 6, looking east (July 2020)

Photo 21: Reclaimed HDD entry pit location for Fenelon Falls River Crossing at 41 King St. looking south (September 2020)

Photo 22: Well vegetated previously disturbed area at 474 Hwy. 121, south of the Community of Fenelon Falls looking north (September 2020)

Photo 23: Well vegetation reclaimed area at 320 Hwy. 121, south of Johnston Rd., looking north (September 2020)

Photo 24: Reclaimed and stabilized KCA Disturbance Area #1 two years after restoration, looking east (September 2020)

Photo 25: Well vegetated previously disturbed area along Cambray Rd., east of Halls Rd., looking east (September 2020)

Photo 26: Reclaimed and stabilized drainage ditch in KCA Disturbed Area #2 on Simcoe St., one year after restoration, looking north (September 2020)

Photo 27: Reclaimed and stabilized drainage ditch in KCA Disturbed Area #3 on Concession Rd. 6, one year after restoration, looking east (September 2020)

Photo 28: Reclaimed road ditch at 1361 Concession Rd. 6, looking east (November 2020)

Photo 29: Reclaimed road embankment and ATV trail on Hwy. 12 at Concession Rd. 6, looking south (November 2020)

Photo 30: Reclaimed road embankment and ditch along Hwy. 12 at Concession Rd. 6, looking south (November 2020)

APPENDIX C
Environmental Permits

Appendix C ENVIRONMENTAL PERMITS

Table C-1: The Project Environmental Permits

Regulatory Authority	Location	Permit/Approval
OEB	the Project	Leave to Construct (EB-2017-0147)
Provincial		
MECP	Fenelon Falls Segment	PTTW (2505-AVXRT8)
MECP	Sunderland Reinforcement Segment	PTTW (2746-BDCL67)
KCA	From King Street under the Fenelon River/Cameron Lake to Bond Street; Geographic Village of Fenelon Falls, City of Kawartha Lakes	Permit No. 2018-022
KCA	County Road 121 from Ranchers Road to Fenelon Falls; Geographic Township of Fenelon, City of Kawartha Lakes	Permit No. 2018-033
KCA	Taylors Road to Eden Road to Cambray Road to Highway 35; Geographic Township of Mariposa, City of Kawartha Lakes	Permit No. 2018-034
LSRCA	Concession Road 6, Lot 13-14, Concession 6, Township of Brock, Regional Municipality of Durham (Beaver River HDD)	Permit No. BRP.2019.019
KCA	Simcoe St. (between Farmstead Road & Concession Road 6; Brock Township (Sunderland), Regional Municipality of Durham	Permit No. 2019-171
MHSTCI	Various Lots in: Concessions 4-11, Fenelon Township, Concessions 9-14, Mariposa Township, Victoria County, City of Kawartha Lakes; and Concessions 5-6, Brock Township, Ontario	MHSTCI Project Information Form Number P415-0060-2015, MHSTCI File Number 0000607 (Stage 1 AA Clearance; December 14, 2016)
MHSTCI	Various Lots in Concessions 4-11, Fenelon Township, Concessions 9-14, Mariposa Township, Victoria County, City of Kawartha Lakes; and Concession 5-6 Brock Township, Ontario County, Ontario	MHSTCI File Project Information Form Number P362-0145-2017, MHSTCI File Number 0000607 (Stage 2 AA Clearance; March 13, 2018)
MHSTCI	Township of Fenelon Falls, County of Victoria, Ontario	MHSTCI File #: 0000607, Enbridge Gas Distribution Cultural Heritage Assessment Report for Fenelon Falls (formal review letter June 22, 2018)
MHSTCI	Fenelon Falls Work Yard and Naylor Road Work Yard, Lot 21, Concession 10 and Lot 7 Concession 5, Fenelon Township, Victoria County, City of Kawartha Lakes, Ontario	MHSTCI Project Information Form Number P362-0197-2018, MHSTCI File Number 0000607 (Review and Entry into the Ontario Public Register of Archaeological Reports on May 30, 2018)

Table C-1: The Project Environmental Permits

Regulatory Authority	Location	Permit/Approval
MHSTCI	Additional Temporary Workspaces TWS5 and TWS6 and Odorant Remediation Area - Sunderland Extension. Part of Lot 19 and 20, Concession 5, and Lot 19, Concession 6, Geographic Township of Brock, former Ontario County, now Regional Municipality of Durham, Ontario	MHSTCI Project Information Form Number P362-0273-2019, MHSTCI File Number 0000607 (Entry into the Ontario Public Register of Archaeological Reports on November 7, 2019)
Federal		
Parks Canada	Fenelon River HDD crossing	Permit No. 170292

APPENDIX D
Complaint and Resolutions Log

Appendix D COMPLAINT AND RESOLUTIONS LOG

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
1	2/16/2018	[redacted]	[redacted]	Landowner received a letter from Stantec about the installation project and was uncertain they would like to go ahead with the service and requested additional information on the surcharge.	Enbridge provided supporting information and answers for the questions asked in an email.	Complete
2	5/7/2018	NA	NA	Resident who owns farm along Eden Road expressed concern regarding the placement of pipeline in relation to the municipal drain that services their farm.	Enbridge informed resident that they have obtained locates for the drains. Enbridge to review area to see if any construction has occurred yet in proximity to the drains. Construction had not occurred around these drains. Enbridge spoke to the resident to explain the construction plan and the homeowner was satisfied.	Complete
3	5/10/2018	[redacted]	NA	Resident from Sunderland Co-op expressed concern to the construction crew regarding space left on the road where they have their traffic plan set up. Concern that his trucks carrying pesticides could tip into the ditch and spill. Also expressed concern regarding maple trees on Eden Road and construction harming the trees.	Enbridge Contractor to have toolbox talk with crew regarding space on roads. Due to the narrow roads, the crew was asked to watch for large vehicles and stop work to allow them to safely pass by. Contractor to also relay this information to local farms. Enbridge to speak with resident regarding maple trees and informing them that Enbridge utilizes mitigation and protection measures to prevent any damage or harm to the trees.	Complete

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
4	5/16/2018	[redacted]	[redacted]	Contractor's excavator hit and severed a Bell Drop Cable. These Drop Cables are not a part of Locates. This caused a phone outage to the resident on Taylors Road. Onsite Inspector communicated the break to the resident immediately and had Bell contacted. Break happened at 8:00am and Bell was onsite and completed repair by 9:00am.	Bell notified immediately after break as well as resident. Resident also notified once service was back up and running. Break repaired within the hour. Customer notified once service was back up.	Complete
5	5/28/2018	[redacted]	NA	Phone call received from the CKL that they received a phone call from a resident on Taylors Road directly to his cell phone. They are not sure how the resident was provided the number but asked that Enbridge inform crew members to not give out any CKL contact numbers to the public.	Enbridge Inspectors and Contractor workers were notified not to provide private contact information to residents.	Complete
6	6/18/2018	[redacted]	[redacted]	A resident advised an Inspector that their drilled well located 12m from line of the proposed gas main, malfunctioned during drilling nearby. Homeowner will be replacing their pump and would inform Enbridge of any further issues.	Inspector followed up with homeowner. Inspector was informed by homeowner that the well pump is now working. The issue was due to faulty wiring and not due to our work in the vicinity.	Complete
7	6/28/2018	NA	[redacted]	Contractor had a drill set up to the North of the commercial business in Fenelon Falls. A representative from the commercial business came out and advised the crew that the location of the drill was causing a major blind spot for drivers to pull out of the parking log	Contractor moved the drill approximately 100 m to the north giving full line of site for drivers	Complete

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
8	7/13/2018	NA	NA	A subcontractor was working on the side of the road. Crew was approached by a CKL employee inquiring about their traffic control plan (TCP) and that it is not approved with the Road Occupancy Permit (ROP).	Enbridge reached out to the subcontractor to get a list of TCPs that they use and then to provide them to the contractor to have the ROP reflect these plans. The Contractor reviewed and approved the additional TCPs and confirmed them to be in compliance with the ROP.	Complete
9	7/23/2018	NA	NA	Councillor from CKL raised concern about the sidewalks in Fenelon Falls that are being removed by the contractor including concern over who will be paying for the permanent restoration. Also concerned with the location of work regarding tourism and the Fenelon Fair.	The cost to restore the sidewalks will be covered by Enbridge. Enbridge stated they had taken the Fenelon Fair into consideration during scheduling and the crew stopped work in the area at 12:00 p.m. to accommodate and avoid disruptions. Enbridge previously reached out to CKL regarding restrictions due to tourism and were informed that there were no restrictions.	Complete
10	7/31/2018	NA	[redacted]	Resident complained that the contractor filled the ditch in front of their place with dirt causing drainage to clog, route onto the bottom of her driveway and causing sand and gravel to accumulate. After Contractor cleaned ditch, the resident requested the work be reviewed as water was still pooling on their driveway.	The contractor and the Inspector met to review the impacts. The contractor cleaned the area and regraded, as necessary. Inspector reviewed area with resident.	Complete

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
11	8/1/2018	NA	[redacted]	Resident claimed they own part of the road at Skyline Road and Enbridge owes them compensation for an easement.	Enbridge requested surveyors to complete a property search on the area to verify the location of street line vs. property line. Surveyor clarified that the road in this location is considered a public roadway and an easement with the resident was not required. Comment from the surveyor included: "*On paper, the owner….. does have legal title to the west half of Taylor's Road on north half of …., but evidence suggests that the road has been used publicly since at least 1978. In this case, we can speak of implied dedication and acceptance of the lands as public highway and despite there being no by-law to establish it, under s. 26.1 of the Municipal Act, 2001, Taylor's Road would be considered a public highway*." A voicemail was left for the resident.	Complete
12	11/6/2018	NA	[redacted]	Resident contacted Enbridge Customer Connections Contact Centre concerned about some pipe being stored along her driveway and that if it is there when it snows, it may interfere with their snow plowing and potentially damage the pipe.	Enbridge emailed contractor, asking when the pipe will be removed and informed them of the customers concern. Contractor informed Customer that the pipe would be removed in the coming weeks. The drill shot requiring the pipe had begun and would be completed by the week of Nov 19.	Complete

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
13	11/20/2018	NA	NA	A CKL worker approached the contractor's foreman, informing them that a recently removed sidewalk bay was not fully restored. While plowing the sidewalk the plow hit the unfinished sidewalk causing a minor divot in the plow. The worker was not injured.	To avoid further impacts, the contractor leveled off the unfinished sidewalk and paved the sidewalk bay the following day. Sidewalk bay was restored and leveled with asphalt. The contractor used asphalt to temporarily restore all sidewalk bays during the winter months and concrete for the final restoration.	Complete
14	11/20/2018	NA	[redacted]	Resident on Highway 35 called Enbridge Customer Connections Contact Centre regarding a noise they heard in the area and caused them some concern.	Enbridge investigated and informed the homeowner of the cause of the noise which was found to be the release of air pressure in a section of pipe from pipeline testing. Enbridge informed the resident of the source.	Complete
15	12/3/2018	NA	[redacted]	A resident on Highway 35 complained to the Inspector about the restoration in front of their house. They complained that there were still tire marks and small piles of soil.	Contractor completed restoration	Complete
16	12/5/2018	NA	NA	CKL informed Enbridge that they spotted a vacuum truck hole on Eden Road that required backfill.	Contractor immediately backfilled the hole and Enbridge responded back to the CKL.	Complete

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
17	12/13/2018	NA	[redacted]	Resident on Highway 35 informed Enbridge of thumping noises they could hear from their basement.	Inspector and contractor foreman contacted the resident and informed them that they were currently drilling through rock near his home and he likely hearing the vibrations of the rock. The homeowner did not seem concerned after the conversation and will monitor the sound and reach out again if they become concerned again. Drill passed by and the resident did not express any further concern.	Complete
18	3/11/2019	[redacted]	[redacted]	CKL reached out to Enbridge regarding two signs at Cambray Road and Highway 35 that were removed during construction.	Enbridge informed CKL that the signs were not located and asked if they would like contractor to pay for the new signs. CKL said the contractor would not need to pay for the new signs but requires notification when construction is finished in that area. The Contractor completed the restoration in that area in April 2019 and I then notified CKL that the signs can now be replaced.	Complete
19	3/11/2019	[redacted]	[redacted]	Resident on County Road 121 said they did not sign a contract and were upset with the surcharge and are considering not switching to gas and wanted to speak with someone before having the furnace installed.	Enbridge contacted resident to explain the system expansion surcharge (SES) charge and breakdown the cost savings.	Complete
20	3/11/2019	[redacted]	[redacted]	Resident on Cambray Road said they should not be paying SES charge. They did not recall any contract and thought that the government grants would be paying.	Enbridge spoke with resident and they understand the SES charge. Main concern was simply not knowing about it up front. Service has been installed and bollards are in place.	Complete

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
21	3/11/2019	[redacted]	[redacted]	Resident at Cambray Road would like to know all charges and to not have it installed at his property.	After SES was explained to the resident, they cancelled the service.	Complete
22	3/11/2019	[redacted]	[redacted]	Resident on Bond Street West just returned from his MPP's office and wanted to discuss the additional surcharge. He would like to place the installation on hold until further notice.	Customer spoke to Enbridge at the EGI Store in Fenelon Falls and after explaining the SES, the resident decided to keep their gas service understanding that they are still saving money.	Complete
23	3/11/2019	[redacted]	[redacted]	Resident on Cambray Road has called in this morning she says she has read the local news article regarding the SES surcharge that they were not advised about it and would like to discuss. They advised that multiple other residents would be calling in regarding the surcharge.	Confirmed cancellation of gas service. Enbridge informed the resident of the $250.00 charge to unlock the gas meter in the future if they decide to convert in the future.	Complete
24	3/11/2019	[redacted]	[redacted]	Resident on Cambray Road does not want to use gas because they were not aware of the surcharge.	Customer was connected to gas - went through Ombudsman office and cancelled due to not being notified of the SES charges.	Complete

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
25	3/18/2019	[redacted]	[redacted]	Resident from Bond Street West informed Enbridge that their building is flooding, and it is due to the work Contractor completed.	The contractor went to the property to review the area. The flooding appears to be due to the quick thaw and not related to the contractor's work. The contractor called CKL to inform them that they have blocked catch basins due to ice that is causing flooding in the area. The contractor cleaned the catch basins with a vac truck because CKL assumed the blockage was caused by the contractor. The catch basin's flow was restored.	Complete
26	4/3/2019	NA	[redacted]	Two residents on Cambray Road approached the contractor asking why the proposed gas main stops prior to their property.	Enbridge found that this was a drafting error ending the proposed gas main 7m less than initially proposed. Enbridge has reached out the permitting authorities to seek approval to extend the main. Enbridge had the contractor extend the main as soon as all approvals were acquired. Both residents were informed that they will get gas.	Complete
27	3/25/2019	[redacted]	[redacted]	Resident from Bond Street West reached out to Enbridge regarding a small sink hole in front of their house from the contractor.	Contractor repaired the sink hole immediately and contacted the resident to inform them that the repair has been completed.	Complete
28	4/5/2019	[redacted]	[redacted]	Resident on Cameron Road reached out to Enbridge at saying that they are concerned with the SES and that if they cancel if they are charged the SES.	Enbridge explained the SES and the resident decided to move forward with their service installation	Complete
29	4/9/2019	[redacted]	[redacted]	Resident on Highway 35 in Cameron reached out to Enbridge regarding a sink hole in front of her property.	The contractor investigated and filled in the sink hole.	Complete

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
30	4/29/2019	NA	[redacted]	A second concern came in from a resident on Bond Street West of a second sink hole in front of their property	The contractor filled the sink hole later that day.	Complete
31	5/1/2019	NA	[redacted]	A resident on Cambray Road spoke with Enbridge regarding their concern over the way the contractor left restoration over the winter and sink holes have developed. They were also concerned with the location of the meter/riser being close to the driveway and having no protection.	The contractor repaired all sink holes immediately and informed the homeowner that final restoration would be complete in the next couple of weeks. The contractor agreed that protection is required and was then installed. Restoration was completed.	Complete
32	5/6/2019	NA	[redacted]	Resident on Cambray Road reached out to Enbridge and asked when final restoration would take place in front of his home where the pipeline was installed.	Final restoration was completed in spring 2019.	Complete
33	5/27/2019	NA	[redacted]	Resident on County Road 121 complained to Enbridge Inspector regarding the poor restoration in front of his house.	Final restoration was completed in spring 2019.	Complete
34	2/12/2019	NA	[redacted]	Resident on Cambray Road claimed they should not be paying SES charge. They did not sign a contract and is disputing the surcharge that she is now being billed and is 86 years old and cannot afford it.	After explaining the SES to the resident's daughter, she took down the Enbridge contact but did not indicate if they would be continuing with NG. Enbridge explained that the second monthly bill was an estimate month and credits will be reflected on the third bill. Enbridge advised to call back if savings were not recognized. Customer did not call back.	Complete
35	6/1/2019	[redacted]	[redacted]	Resident wanted to cancel their service to the news article about SES.	Cancellation completed.	Complete

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
36	6/1/19	NA	[redacted]	Resident on Highway 35, Cameron was unsure if they wanted to proceed with the gas installation. This client wanted to cancel over the SES charge and feels it would be more expensive than propane. Enbridge asked if they could reach out and do a cost assessment between propane and natural gas in hope to convince him to move forward with the installation	Enbridge followed up with the customer and they decided not to switch.	Complete
37	6/1/19	NA	[redacted]	Resident on County Road 121 is not sure if they want to proceed with the gas install due to the service charge.	Enbridge called customer and after discussion, customer decided to continue with NG service.	Complete
38	6/1/19	[redacted]	[redacted]	Resident called in asking to cancel their installation but would not advise why they wish to cancel.	Enbridge followed up and after some discussion, resident decided to continue with service installation.	Complete
39	6/1/19	[redacted]	[redacted]	Resident on Highway 35 wanted to cancel the installation as they do not want to pay the SES.	After consultation with the resident, the resident decided to cancel the installation.	Complete
40	6/1/19	NA	[redacted]	Resident on Cameron Road was upset over SES charge.	Enbridge consulted with the resident and they confirmed that they have done research would like to continue with the service installation.	Complete
41	6/3/19	[redacted]	[redacted]	Resident on Cambray Road claims they should not be paying SES charge. Resident stated that they were not advised they would have to pay this charge. Service had already been installed. Customer has filed a complaint with the OEB	After consultation, the resident understands that they will save money and the hassle her current method was.	Complete

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
42	6/4/19	[redacted]	[redacted]	Resident on Cambray Road does not wish to move forward with the service installation due to the SES. Customer not interested in discussion around that or the savings to be recognized.	Enbridge contacted the resident and they were not interested in a discussion.	Complete
43	6/1//2019	NA	[redacted]	Resident on Cambray Road very upset as were initially informed at info session that there would not be an installation charge but receive a charge of $4000.00. Note: 218 m from property line.	Enbridge re-created the WO for the address as there was never a loadsheet done for it and the service was undersized. With the loadsheet, Enbridge was able to utilize more accurate consumption projections and bring the contribution-in-aid-of construction (CIAC) down.	Complete
44	6/18/2019	NA	[redacted]	Resident on Taylors Road, Oakwood complained that the CIAC is too high.	Enbridge re-ran the CIAC a third time using loads from the loadsheet instead of the pre-populated loads from the CIAC tool and were able to bring the CIAC down to 0.00. Enbridge refunded the resident and informed that the installation would procced.	Complete
45	11/6/2019	[redacted]	[redacted]	Resident at Cambray Road went into the Enbridge office to follow with their application. The office had no record of the application and the customer was upset.	Enbridge completed the estimate from construction and completed the installation.	Complete
46	11/6/2019	NA	[redacted]	Resident on Highway 35 in Cameron wanted to cancel due to SES charges.	Installation of service was cancelled.	Complete

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
47	12/6/2019	NA	[redacted]	Resident on Taylors Road kicked Enbridge's s locating company off their property saying they are not getting a service and would not pay the $9000 CIAC.	Enbridge contacted the resident and advised a CIAC of $0.00 and explained and clarified his questions regarding SES surcharge and that the surcharge will be based on volume and usage. Customer was advised that in the non-heating months the monthly bill will consist of 3 components: the Customer Charge $20.00, Delivery Charge & Gas Supply Charge. Resident also indicated that they just filled their propane tank and the heating season will soon be over and that they'd like confirmation that they will not receive a penalty for using up the propane before converting over to gas. Enbridge confirmed and the service installation proceeded.	Complete
48	7/16/2019	[redacted]	[redacted]	Resident on Cambray Road in Woodville was advised it would be approximate $19,680 to have the gas installed. The resident was having a hard time understanding the cost since their son had a service installed for free. Enbridge advised that due to his loads and the process that was used to calculate the cost at the time, the cost had increased. Starting July 1 Enbridge was charging $80/m over 50 m.	The resident inquired why Enbridge has not informed anyone of the new process. Enbridge advised that they are working on this. The resident wants to vent their frustration to management. Enbridge consulted further with the resident on the cost breakdown. Service was cancelled due to the cost of installation.	Complete

Table D-1: Complaint and Resolutions Log

ID	Date Entered or Received	Name	Address	Description	Resolution	Status
49	9/5/2019	[redacted]	[redacted]	A resident on Highway 35 contacted Enbridge wondering when their service was going to be installed. The contractor was out about 6 weeks ago and dug a hole for the riser and set the plastic pipe on his property and said they needed permits and hasn't seen or heard from anyone since.	Permits were confirmed and the service was installed on September 9, 2019.	Complete
50	2/26/2020	[redacted]	[redacted]	Resident on Taylor's Road in Oakwood had concerns over a bill.	Enbridge contacted the resident and explained the bills. He was very receptive, completely understands the estimates vs. actuals now and completely accepts the explanation.	Complete
51	11/20/2019	NA	[redacted]	CKL contacted Enbridge regarding a blind spot created at the N/E corner of Concession Road 6 & Sideroad 18 caused by construction material.	The contractor cleaned the area later that day and eliminated the blind spot.	Complete

APPENDIX E
Project Effects Summary

Appendix E PROJECT EFFECTS SUMMARY

Table E-1: Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
Physical Environment			
Bedrock Geology, Drift Thickness, Physiography and Surficial Geology	Effects associated with trenching and land grading: • Noise, fly rock damage, damage to infrastructure, and increase in turbidity during blasting and drilling • Slope instability • Potential soil erosion • Increase in downstream sedimentation No long-term impacts were anticipated.	Mitigation measures were implemented during construction as appropriate to prevent significant slope instability or erosion and sedimentation. The pipeline was installed via HDD and open-trenching with no blasting or hoe-ramming techniques required. ESC strategies and measures were proactive and on-going throughout construction to stabilize slopes and soil which resulted in minimized erosion and deposition of sediment.	Reclamation occurred immediately after construction and ESC measures were effective. No residual effects are anticipated.
Groundwater	Effects associated with trenching and trenchless technologies which may result in potential impacts to the shallow and deep aquifers including private and municipal water supplies. No significant net effects were anticipated.	Permits were acquired (where required) and regulatory consultation occurred prior to and/or during construction. A water well monitoring program was implemented prior to construction. Mitigation measures from the ER and permit commitments were applied during the construction phases of the Project. Groundwater interactions were minimal during construction and there were no complaints received from landowners regarding impacted wells that were a result of Enbridge's construction.	Since minimal de-watering was required for the Project and landowner wells were not impacted during construction, no residual effects are anticipated.
Extractive Resources	Since the pipeline was located within existing municipal ROW, potential impacts to extractive resources were not anticipated.	Since potential impacts to extractive resources were not anticipated, mitigation and protective measures were not required.	No residual effects on extractive resources occurred from the Project.

Table E-1: Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
Natural Environment			
Soil and Soil Capability	Effects were anticipated to be confined to a limited amount of agricultural land, where TWS was required on lands adjacent to the road allowance and include: • Compaction and diminished productivity • Compaction and admixing damage from construction and wet conditions • Wind or water erosion No significant net effects were anticipated.	TWS for the Project was restricted to non-agricultural fields or areas with already existing disturbances. Agricultural fields were not utilized during construction. ESC measures were proactive and on-going throughout construction to stabilize slopes and soil which resulted in minimal erosion or deposition of sediment into the surrounding areas.	Since agricultural fields were not utilized for the Project and ESC measures were effective in controlling erosion and sedimentation, no residual effects are anticipated.
Soybean Cyst Nematode (SCN)	On agricultural fields, SCN can spread from an impacted field to a non-impacted field by contaminated machinery, wind, contaminated boots, water erosion, etc. Since the construction did not impact agricultural soil, the potential for the spread of SCN onto adjacent fields is negligible.	TWS for the Project was restricted to non-agricultural fields or areas with already existing disturbances. Agricultural fields were not utilized during construction.	Agricultural fields were not utilized as TWS and no residual effects are anticipated.
Agricultural Tile Drains	Construction activities have the potential to crush and/or sever agricultural tile drains. Non-functioning tiles may cause flooding, saturated soils and subsequent erosion and sedimentation downstream. Interference with agricultural tile drainage systems could impact soil productivity.	Trenching and drilling were not required across agricultural fields; therefore, no mitigation measures were required for agricultural tile drains.	No agricultural drains were damaged. No residual effects are anticipated.
Natural Hazards	Potential effects include seismic activity in the area or a flooding event during construction which could result in construction delays, sedimentation, and construction equipment entering a watercourse. No significant adverse residual impacts from natural hazards were anticipated.	Watercourse crossings with potential for flooding were completed by HDD with entry and exit pit located outside of the floodplains.	Construction occurred by HDD outside of regional floodplains. No flooding events or seismic activity occurred and did not impact construction therefore no residual effects anticipated.

Table E-1: Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
Watercourses, Aquatic Species and Habitat	Potential effects include: • Impacts on water quality (erosion, sedimentation, and accidental spills) during HDD • Open-cut crossings temporarily restricting habitat use and fish passage, changing habitat such as substrate composition, increased erosion potential, loss of in stream cover and riparian shading No significant adverse residual impacts were anticipated.	Pipeline crossing techniques were completed as per the ER and EPP mitigation measures and CA permit requirements by less intrusive approaches (HDD); therefore, no in-water work was required. Implementation of an IR contingency plan during drilling including monitoring and immediate response and clean-up. Restoration was proactive and occurred immediately after completion of the crossings to stabilize the watercourse and work areas.	Watercourse crossings occurred by HDD and ESC measures were effective in controlling erosion and sedimentation. Contingency plans for IR were also utilized, when needed, therefore no residual effects anticipated.
Forest and Vegetation Cover	Vegetation removals were anticipated to be limited to rural roads and restricted to cultural hedgerow allowance communities and the edge of natural heritage features that are currently exposed to road traffic and maintenance activities. No significant net effects were anticipated.	Permit conditions, ER and EPP mitigation measures were implemented with treed areas avoided where possible by completing installation via HDD.	Disturbances were limited to some minor tree clearing in the road allowance with no forest clearing occurring. Sites were reclaimed immediately after construction. No significant net effects to forest or vegetation cover is anticipated to occur.
Wetlands	The potential impacts on wetlands during construction include: • accidental contaminant release, • Sedimentation and turbidity from surface runoff • Introduction of invasive species • Temporary lowering of the water table during trench dewatering As construction was planned within the previously disturbed road allowance, no adverse interactions were expected to occur with wetlands along the preferred routes.	Pipeline crossing techniques were completed as per the ER and EPP mitigation measures and CA permit requirements by less intrusive approaches (HDD) whenever possible with disturbances limited to small tie-in pits when large wetlands were unable to be crossed in one drill shot. No significant releases of drilling fluid occurred into a wetland during HDD that was unable to be immediately cleaned up and restored. Releases were monitored after drilling was completed. Implementation of an IR contingency plan during IR spill events occurred, where required.	Wetland disturbance was limited to some small tie-in pits when drilling could not cross the entire wetland and minor releases during drilling. Sites were immediately reclaimed after disturbance and no residual effects are anticipated.

Table E-1: Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
		Restoration was proactive and occurred immediately after completion of the crossings and as per CA permit requirements.	
Wildlife Habitat and Species at Risk	Potential impacts on wildlife populations during construction include: • Vibration and compaction • Direct mortality from animal-vehicle collisions due to increased construction traffic • Temporary avoidance behavior due to the presence of humans and equipment • Direct loss of habitat (e.g., destruction of nests or alteration of nesting habitat) With the effective implementation of the mitigation measures outlined in the ER and EPP, no adverse environmental effects were anticipated.	No new lands or natural areas were consumed for this Project. The work was scheduled to occur outside of sensitive periods whenever possible and/or engineered to avoid sensitive habitat by executing installation by HDD and/or working within the road allowance. Where avoidance was not possible during sensitive periods, nest or wildlife surveys were completed and exclusion fencing erected (if required) prior to disturbance to avoid impacts to wildlife. If species were identified, appropriate buffers were established to prevent impacts or were isolated and protected during periods of construction. There were no SARs identified during construction within the ROW nor adjacent the ROW (within 30 m) and there were no direct interactions observed between SARs and Project activities.	No residual effects are anticipated to wildlife or SARs since disturbance occurred in low quality habitat (municipal ROW) and no direct impacts to wildlife or species at risk occurred.

Table E-1: Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
Socio-Economic Environment			
Residents and Businesses	Residential and business properties may experience noise, dust and equipment exhaust associated with construction activity. Construction activities may temporarily affect the aesthetic landscape of the construction area and could impede property access. Potential safety concerns also exist at locations where properties, residents and vehicles come in proximity to construction activities. No significant adverse residual impacts on residents or businesses were anticipated.	Enbridge completed consultation to potentially affected parties both prior to and during the construction phase of the Project and logged all landowner complaints during construction. Mitigation measures outlined in the ER were implemented and residents were notified of temporary access restrictions and accommodated if necessary. All complaints were mitigated including installing temporary security fence where necessary to limit potential interactions between construction activities and adjacent properties and/or residents.	All mitigation measures in the ER and commitments during consultation were adhered to during construction with no residual concerns; therefore, no significant net effects were associated with the construction of the Project.
Institutional Services and Facilities	The construction of the Project may temporarily interfere with identified institutional facilities with potential impacts from noise, dust and equipment exhaust associated with construction activity with construction activity with construction activities temporarily affecting the aesthetic landscape of the construction area. Potential safety concerns were identified due to the proximity of construction activities to the facilities. No significant adverse residual effects on institutional facilities were anticipated.	Prior to construction within the vicinity of all existing institutional facilities, the appropriate owners of the facilities were consulted. Construction proceeded to the owner's satisfaction with mitigation measures implemented as agreed upon by the facilities owner and Enbridge.	In consideration that construction within the vicinity of identified institutional facilities was limited and service disruption did not occur, there were no significant net effects realized during the construction of the Project.
Culture, Tourism and Recreation Facilities	Construction of the Project was predicted to temporarily interfere with some cultural and recreational facilities. Potential impacts included noise, dust and equipment exhaust associated with construction activity with construction activities temporarily affecting the aesthetic landscape of the construction area. Potential safety concerns were identified due to the proximity of construction activities to the facilities.	Mitigation measures in the ER were implemented for noise dust and equipment and access to all recreation facilities was maintained during the construction phase of the Project. No public safety incidents were recorded.	In consideration that access to all recreational facilities were able to be maintained, there were no net effects associated with the Project.

Table E-1: Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
	No significant adverse residual effects on culture, tourism, or recreational facilities were anticipated.		
Economy and Employment	The construction and operation of the Project was predicted to result in direct and indirect business and employment income, and an increase in tax revenues.	No mitigation measures were required to be implemented to address economic and employment.	The net positive effect was realized during the construction phase of the Project.
Contaminated Sites	The ROW will cross or be in the vicinity of the lands that may have contaminants of concern including a contaminated soil dump, the presence of gas bars and auto repair shops, and the application of road salt for de-icing activities. No significant adverse residual effects from contaminated sites were anticipated.	Potentially contaminated soils were encountered at three sites during construction of the Project. Soil was sampled as appropriate to determine soil transportation and disposal requirements. No other potentially contaminated sites were encountered.	Contaminated soils were addressed during construction in compliance with Ontario legislation and disposed of off-site where required; therefore, no significant net effects were associated with the construction. No residual effects are anticipated.
Waste Management	Improper disposal of waste material generated during construction may result in contamination to soil, groundwater, and/or surface water resources on and off the construction road allowance. Litter generated during construction may also become a nuisance to adjacent properties if not contained. No significant net effects were anticipated.	All construction waste was collected and removed from the construction sites daily as per the mitigation measures identified in the ER and EPP including cleaning up any waste that was located on-site prior to construction commencing.	Since all waste was removed from the site during and after construction was completed, there were no significant net effects associated with the Project.
Land Use	Potential creation of dust, noise, and construction affecting land uses. No significant net effects were anticipated.	Enbridge completed consultation to potentially affected parties both prior to and during the construction phase of the Project, adhered to provincial and municipal by-laws and planning requirements and logged all landowner complaints during construction. All provincial and municipal permits were acquired as necessary and complaints were mitigated throughout construction.	Mitigation measures in the ER and EPP along with commitments during consultation were adhered to during construction with no residual concerns; therefore, no significant net effects were realized during the construction of the Project.

Table E-1: Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
Archaeological Resources	The Stage 1 AA determined that the municipal ROW had a moderate to high potential for the identification and recovery of archaeological resources. A Stage 2 AA was recommended for the municipal ROW and TWS outside of the road alignment.	Stage 1 and 2 AAs were completed in support of the Project and submitted to the MHSTCI. Three Euro-Canadian sites were discovered during the Stage 1 and 2 AAs were considered to have no further cultural heritage value or interest. Any potential artifact that may be uncovered during construction would be immediately assessed by a qualified archaeologist and regulatory authorities and indigenous communities would be notified. No artifacts were encountered during construction.	No residual effects are anticipated.
Heritage Resources and Cultural Heritage Landscapes	The Project has the potential to directly impact heritage resources during construction. No significant adverse residual impacts on heritage resources or cultural heritage landscapes were anticipated.	A CHAR was completed and submitted to the MHSTCI prior to construction. Mitigation measures outlined in the CHAR included avoidance and vibration monitoring of the resources as determined by a geotechnical engineer. Mitigation measures outlined in the CHAR were implemented as recommended.	No impacts to features were noted during assessments or monitoring; therefore, no residual effects are anticipated.
Indigenous Interests	The Project does not intersect any Indigenous reserve land; however, the Project is located within Curve Lake First Nations' Traditional Territory and Hiawatha First Nation Treaty 20 area. The Mississauga's of Scugog Island First Nation also indicated that the Project is located within their treaty area. The Project may impact Treaty and Aboriginal rights and traditional uses, including aboriginal archaeological resources. By continuing Indigenous engagement, no significant adverse residual impacts on Indigenous interests were anticipated.	Potentially affected Indigenous communities and regulatory agencies were consulted throughout the planning and construction of the Project. Mitigation measures were implemented as indicated in the ER and EPP. No archaeological artifacts were uncovered during construction.	Indigenous Community consultation was proactive and ongoing during construction. No concerns were identified during construction; therefore, no significant net effects were associated with the construction of the Project. No residual effects are anticipated.

Table E-1: Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
Infrastructure	The Project has the potential to interact with roads, hydrocarbon pipelines, hydroelectric facilities and buried and overhead utilities. Potential impacts include damage and service interruptions to the infrastructure and safety harm to personnel. No significant net effects were anticipated.	Prior to crossing or excavating within the vicinity of all existing linear infrastructure and utilities, the appropriate owners of the facilities were consulted and locates were obtained. If impacted, damaged facilities were immediately repaired.	In consideration that all crossings and work within the vicinity of existing linear structures was executed to the satisfaction of the owner and any damage was immediately repaired, there were no significant net effects associated with the construction of the Project. No residual effects are anticipated.

APPENDIX F
Senior Executive Certificate

Fenlon Falls Project
EB-2017-0147
Decision and Order
March 1, 2018

I hereby certify Enbridge Gas Inc. has constructed the facilities and restored the land in accordance with the OEB's Decision and Order, EB-2017-0147, Attachment B, Condition 6. a).

Michelle George

Digitally signed by Michelle George
Date: 2021.02.01 17:47:25 -05'00'

Date

Michelle George
Vice President, Engineering & STO
Enbridge Gas Inc.

Condition 6.
Both during and after construction, Enbridge shall monitor the impacts of construction, and shall file with the OEB one paper copy and one electronic (searchable PDF) version of each of the following reports:

a) a post construction report, within three months of the in-service date, which shall:

i. provide a certification, by a senior executive of the company, of Enbridge's adherence to Condition 1;

ii. describe any impacts and outstanding concerns identified during construction;

iii. describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of construction;

iv. include a log of all complaints received by Enbridge, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions; and

v. provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project.

Condition 1.
Enbridge Gas Distribution Inc. (Enbridge) shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2017-0147 and these Conditions of Approval.