



ENBRIDGE GAS INC.

St. Laurent Ottawa North Replacement Pipeline Project

Environmental Report Amendment

Table of Contents

Acronyms and Abbreviations

1.0	Introduction	1
2.0	Study Process	4
3.0	Stakeholder Engagement and Indigenous Consultation Program	5
3.1	Background	5
3.2	Notice of Project Change and Updated Notice of Project Change.....	5
3.3	Agency Consultation.....	6
3.4	Indigenous Consultation	6
3.5	Ongoing Engagement Activities	7
4.0	Route Selection	8
4.1	Preferred Route.....	8
4.2	Alternative Routes.....	9
5.0	Physical, Natural, and Socio-Economic Environment Setting	10
5.1	Natural Environment	10
5.1.1	Air Quality	21
5.1.2	Surface Water	24
5.1.3	Terrestrial Habitat and Vegetation.....	24
5.2	Socio-Economic Environment	27
6.0	Effects Assessment and Proposed Mitigation	33
7.0	Cumulative Effects Assessment	43
8.0	Accidents and Malfunctions	44
8.1	Emergency Response and Preparedness.....	44
8.2	Pipeline Failure during Operations.....	45
8.2.1	Effects Assessment and Significance	45
8.2.2	Summary.....	48

9.0	Effects of the Environment on the Project	49
10.0	Inspection and Monitoring Recommendations	50
11.0	Summary and Conclusions	51
12.0	References	52

Figures

Figure 1: New Phase 4 Preferred Route	3
Figure 2: Existing Natural Environment Features	11
Figure 3: Ecological Land Classification	16
Figure 4: Socio-Economic Features	28
Figure 5: Mitigation Map	37

Tables

Table 1: Inventory of Construction Equipment	21
Table 2: Background Concentrations of Select Air Compounds	22
Table 3: Updated ELC Communities within the Study Area	25
Table 4: Revised Effects Assessment and Proposed Mitigation for the Construction and Operations of the New Phase 4 Preferred Route.....	34
Table 5: Assessment of Effects of a Worst-Case Scenario Pipeline Failure during Operations.....	46

Appendices

A	Notice of Project Change
B	Updated Notice of Project Change
C	Updated Project Contact List
D	Updated Stakeholder Consultation Logs
E	Updated Indigenous Consultation Logs

Acronyms and Abbreviations

AAQC	Ambient Air Quality Criteria
CAAQS	Canadian Ambient Air Quality Standards
CER	Canada Energy Regulator
CMP	Crisis Management Plan
CO	carbon monoxide
Dillon	Dillon Consulting Limited
ECCC	Environment and Climate Change Canada
ELC	Ecological Land Classification
Enbridge	Enbridge Gas Inc.
EPA	Environmental Protection Agency
ER	Environmental Report
ERP	Emergency Response Plan
ha	hectare(s)
HP	high pressure
km	kilometre(s)
LTC	Leave-to-Construct
m	metre(s)
mbgs	metres below ground surface
MECP	Ontario Ministry of Environment, Conservation and Parks
MENDM	Ontario Ministry of Energy, Northern Development and Mines
MTO	Ontario Ministry of Transportation
NAPS	National Air Pollution Surveillance (Program)
NCC	National Capital Commission
NO ₂	nitrogen dioxide
NPS	nominal pipe size
OEB	Ontario Energy Board
OEB Guidelines	Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition
OPCC	Ontario Pipeline Coordinating Committee
PM _{2.5}	particulate matter ≤ 2.5 µm
PM ₁₀	particulate matter ≤ 10 µm
RCMP	Royal Canadian Mounted Police
SO ₂	sulphur dioxide
the Project	St. Laurent Ottawa North Replacement Pipeline Project
VOC	volatile organic compound
WWIS	Water Well Information System
XHP	extra high pressure

Introduction

Enbridge Gas Inc. (Enbridge) retained Dillon Consulting Limited (Dillon) to undertake a route selection and environmental and socio-economic impact study and report (Environmental Report) for the proposed St. Laurent Ottawa North Replacement Pipeline Project (the Project).

As described in the Environmental Report (ER) (Dillon 2020), the Project is required to replace approximately 13 kilometres (km) of an existing extra high pressure (XHP) steel natural gas pipeline (St. Laurent Pipeline) that is currently located along St. Laurent Boulevard in Vanier and Ottawa South. The ER for the Project considered Phase 3 and Phase 4 of a four-phase plan for replacing the existing St. Laurent Pipeline, with Phase 1 and Phase 2 already completed.

The ER for the Project (Dillon 2020) was completed in late June 2020 in accordance with the Ontario Energy Board (OEB) Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016). On July 21, 2020, the ER (Dillon 2020) was posted on the Enbridge Project website and submitted to the Ontario Pipeline Coordinating Committee (OPCC) for review. The 42-day OPCC review period ended on September 1, 2020.

On October 19 and 20, 2020, Enbridge distributed a Notice of Project Change (see Appendix A) for a new preferred route for Phase 4 of the pipeline, which was a hybrid of the existing preferred route and one of the alternative routes identified in the ER (Dillon 2020).

Over the past month, through continued consultation with key stakeholders, Enbridge has revised the new preferred route described in the October Notice of Project Change to follow one of the alternative routes identified in the ER (Dillon 2020). The new Phase 4 preferred route is shown on Figure 1 and described in further detail in Section 4.0. Note, there are no proposed changes to Phase 3 of the Project.

The objective of this ER Amendment is to determine if there are any additional potential environmental or socio-economic impacts as a result of the proposed changes that were not captured in the assessment already provided in the ER (Dillon 2020).

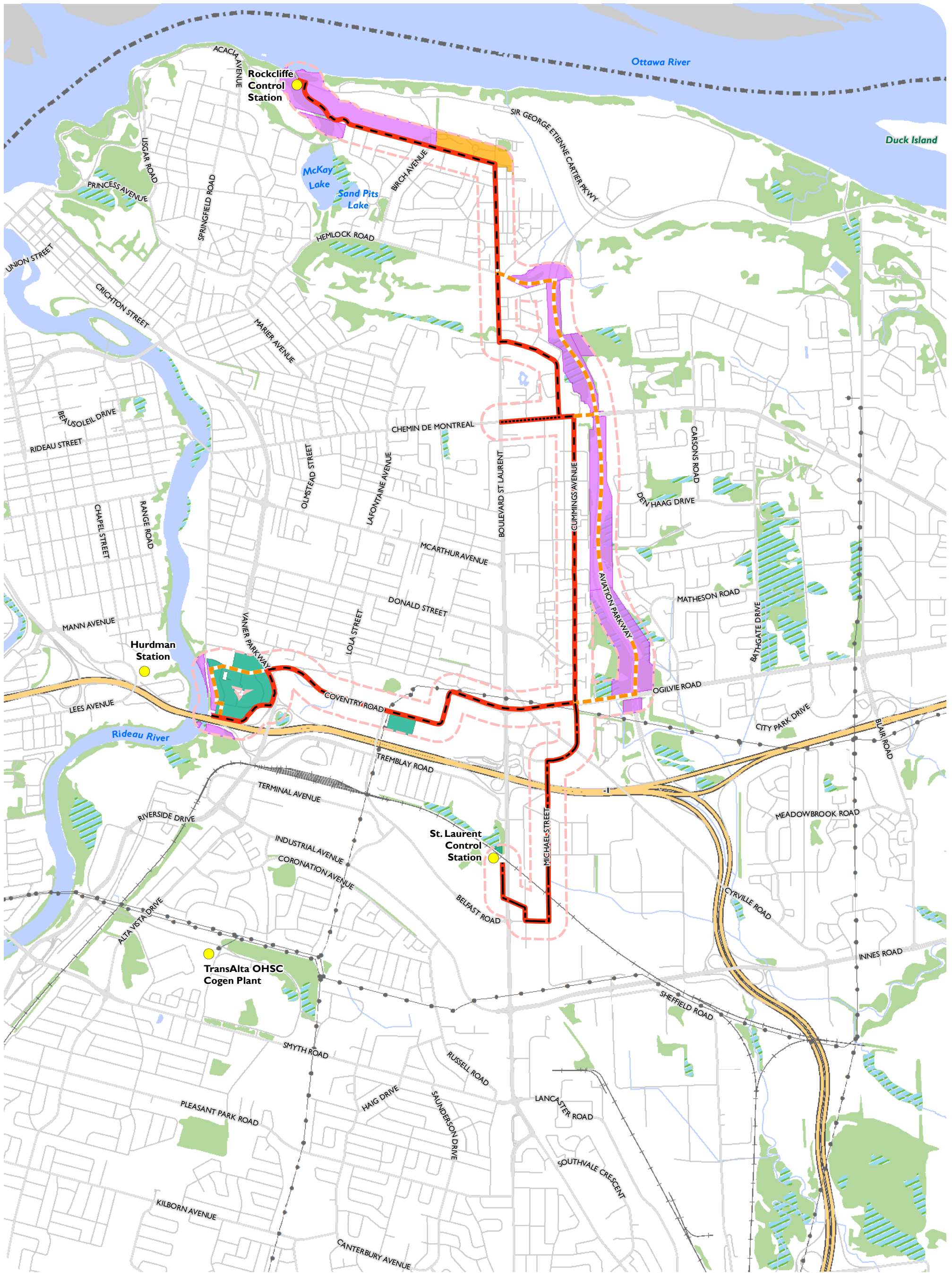
Stakeholder engagement and Indigenous consultation continue to be key components of the study. An Updated Notice of Project Change (see Appendix B) was circulated on November 18, 2020 to Indigenous communities, the Project stakeholder list (including the OPCC), and members of interest groups and the public that have participated in the Project consultation process, to date (see the updated Project contact list in Appendix C; note, the names and contact information of members of the public are not included for privacy reasons). The Updated Notice of Project Change also provided a link and directions to access this ER Amendment on the Enbridge Project website.

A comment period was provided for gathering feedback on the Updated Notice of Project Change and this ER Amendment, which will end on December 17, 2020. Feedback received on the initial Notice of Project Change (October), up to November 17, 2020, is documented and included in the consultation logs provided in Appendix D and Appendix E (see Section 3.0 for further details). Updated consultation logs documenting consultation on the Updated Notice of Project Change and this ER Amendment (i.e., the period from November 18 to December 17, 2020) will be provided under separate cover on the Enbridge Project website after December 17, 2020 and will be submitted to the OEB with the Leave-to-Construct (LTC) application.

The OEB's review and approval is required before the Project can proceed. Enbridge anticipates filing the LTC application with the OEB in December 2020. If approved, construction of Phase 3 of the Project is currently anticipated to begin in 2021 and construction of Phase 4 of the Project is currently anticipated to begin in 2022.

This ER Amendment is to be read in conjunction with the ER (Dillon 2020). With the exception of the consultation logs (which document consultation from Project start to November 17, 2020; see Appendix D and Appendix E), information from the ER is not repeated in this ER Amendment, except where required to provide context.

The ER (Dillon 2020) and this ER Amendment are currently available for review on the Enbridge Project website at <https://www.enbridgegas.com/about-us>. Click on the "Projects" tab and select "St. Laurent Ottawa North Pipeline Project".



ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

**NEW PHASE 4
PREFERRED ROUTE**
FIGURE I



Existing Station

Alternative Route
Phase 4 Preferred Route

Gas Line Types

NPS 6 XHP Gas Main
NPS 12 XHP Gas Main
NPS 16 XHP Gas Main

Federal Land Ownership (DFRP)

National Capital Commission
Public Services and Procurement Canada
Royal Canadian Mounted Police

Base Data

Freeway
Major Road
Local Road
Railway
Hydro Line

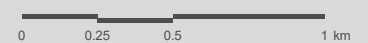
Watercourse

Waterbody
Provincial Boundary
Unevaluated Wetland
Wooded Area



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF,
ENBRIDGE GAS INC., DFRP
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM Zone 18N

SCALE 1:25,000



PROJECT: 19-1850 STATUS: DRAFT DATE: 2020-11-11

2.0 Study Process

Section 2.0 of the ER (Dillon 2020) describes the study methods used in the effects assessment, as well as the objectives and methods of stakeholder engagement and Indigenous consultation. The same methods are applied in this ER Amendment.

3.0 Stakeholder Engagement and Indigenous Consultation Program

A comprehensive stakeholder engagement and Indigenous consultation program was undertaken for the Project. The consultation and engagement activities undertaken as part of the ER are not repeated here; rather, this section provides a brief background on past activities and summarizes consultation and engagement activities that have occurred since the ER was submitted for OPCC review in July.

3.1 Background

In late 2019, Dillon began the study for the Project. Early stakeholder engagement activities occurred in December 2019/January 2020. The Notice of Project Commencement and Open House was distributed the week of February 10, 2020 and the Open House was held on February 25, 2020.

Following the 30-day public comment period and completion of the first draft of the ER (March 30, 2020), additional components were determined to be required for the Phase 4 scope of work, which included additional NPS 4-inch and NPS 6-inch segments of XHP steel pipe along St. Laurent Boulevard and Montreal Road, as well as the identification of an additional Phase 4 XHP alternative route from Michael Street to the St. Laurent Control Station.

The final ER included the additional Phase 4 components described above and was uploaded to the Enbridge Project website and submitted to the OPCC for review on July 21, 2020.

3.2 Notice of Project Change and Updated Notice of Project Change

A Notice of Project Change (see Appendix A) was circulated on October 19 and 20, 2020 and an Updated Notice of Project Change (see Appendix B) was circulated on November 18, 2020 in conjunction with this ER Amendment. The Notices and ER Amendment were circulated to Indigenous communities, the Project stakeholder list (including the OPCC), and members of interest groups and the public that have participated in the Project consultation process, to date. The Project contact list was updated to remove or add parties based on feedback received, as the Project evolved and consultation progressed.

The updated Project contact list used for the circulation of the Updated Notice of Project Change and this ER Amendment is provided in Appendix C (note, the names and contact information of members of the public that were included in the distribution are not provided in the Project contact list for privacy reasons).

Comments received up to November 17, 2020 are documented and included in the consultation logs provided in Appendix D and Appendix E, which includes records of consultation on the ER (Dillon 2020).

3.3 Agency Consultation

During consultation on the original Phase 4 XHP Preferred Route, the National Capital Commission (NCC) and Ontario Ministry of Transportation (MTO) provided specific feedback concerning the Phase 4 routing in the vicinity of the properties under their respective jurisdictions.

The NCC noted that Enbridge's preferred route for the NPS 12-inch XHP pipeline along Aviation Parkway may conflict with future plans for an interprovincial bridge crossing project. The new Phase 4 Preferred Route described in this ER Amendment (see Section 4.0) is a result of ongoing discussions with the NCC.

The MTO noted various concerns with the proximity of the Phase 4 XHP Preferred Route to the Highway 417 corridor and its interchanges. Specifically, the routing near the westbound on-ramp at Coventry Road and Vanier Parkway. As a result of this consultation, Enbridge refined the route at that location by moving the route west onto property occupied by the Royal Canadian Mounted Police (RCMP) Headquarters in order to further offset it from the MTO corridor. To date, Enbridge is still consulting with MTO and RCMP to come to a mutually agreeable solution for the Phase 4 route in the vicinity of the Highway 417 corridor.

Records of consultation with all government agencies, to date, is provided in Appendix D.

3.4 Indigenous Consultation

On December 3, 2019, and as per OEB Guidelines, an email was sent to the Ministry of Energy, Northern Development and Mines (MENDM) providing notification of Enbridge's intent to submit an LTC Application to the OEB for the Project and requesting the MENDM's assessment of Duty-to-Consult requirements.

In a letter dated January 30, 2020, the MENDM determined that the Project may have the potential to affect Aboriginal and Treaty Rights and provided a list of the following communities that should be consulted:

- Algonquins of Ontario; and,
- Mohawk Council of Akwesasne.

Letters, accompanied by the Notice of Study Commencement and Open House, were sent to the Indigenous communities on February 5 and February 14, 2020 to introduce the Project and provide an opportunity to comment. The notification letter invited the communities to provide input and comments regarding the proposed Project, specifically regarding potential impacts that the Project may have on constitutionally protected Aboriginal or Treaty Rights and any measures for mitigating those impacts. Enbridge also requested the opportunity to meet with each community to discuss the Project.

On July 21, 2020, Enbridge shared the ER (Dillon 2020) with the Indigenous communities and on October 20, 2020, Enbridge shared the initial Notice of Project Change (October) with the communities. The Updated Notice of Project Change and a link to this ER Amendment were shared with the communities on November 18, 2020.

Consultation with Indigenous communities, to date, is summarized in Appendix E. An Indigenous Consultation Report will be submitted, under separate cover, as part of the LTC application to the OEB.

3.5 **Ongoing Engagement Activities**

Although the ER (Dillon 2020) and ER Amendment have been completed, Enbridge is committed to ongoing communication with Indigenous communities, agencies, stakeholders, and the public.

As of the writing of this ER Amendment (i.e., November 2020), dialogue is ongoing between Enbridge and relevant federal and provincial agencies including the NCC, Environment and Climate Change Canada (ECCC), RCMP, Public Services and Procurement Canada, and MTO.

Enbridge will continue to actively engage all identified Indigenous groups in meaningful dialogue concerning the Project and endeavour to meet with each Indigenous community for the purposes of exchanging information regarding the Project, responding to inquiries, discussing issues and concerns regarding the Project; and will respond to communities in a timely manner.

4.0

Route Selection

Through ongoing stakeholder engagement and Indigenous consultation, as well as ongoing engineering studies, Enbridge has identified a new Phase 4 Preferred Route for the Project, as described below.

Note – this “new” Preferred Route consists wholly of one of the alternative routes identified in the ER (Dillon 2020) and does not result in new or unassessed lands being incorporated into the Project footprint (i.e., 30 m buffer on either side of the pipeline route) or Study Area (i.e., 125 m buffer on either side of the pipeline route). The alternative routes presented in the ER (Dillon 2020), including the new Phase 4 Preferred Route, were introduced to stakeholders at the onset of the Project and the Project materials showing these routes (i.e., Notice of Project Commencement, Open House presentation, ER) continue to be available for stakeholder review and comment through the Enbridge Project website.

4.1

Preferred Route

The new Phase 4 Preferred Route for the Project is shown on Figure 1.

The new Phase 4 Preferred Route consists of nominal pipe size (NPS)-12-inch and NPS 16-inch XHP steel pipe (the same as presented in the ER). The proposed NPS 16-inch XHP pipeline runs south from Ogilvie Road and follows the same alignment as the Phase 4 XHP Preferred Route identified in the ER (Dillon 2020) to the St. Laurent Control Station. North of Ogilvie Road and the Highway 417 corridor, the new Phase 4 Preferred Route consists of NPS 12-inch XHP pipe that follows the previously identified (Dillon 2020) alternative route along Cummings Avenue then goes briefly west on Montreal Road before continuing north on Brittany Drive to St. Laurent Boulevard, and then north on St. Laurent Boulevard to Sandridge Road. The route then follows Sandridge Road west to Hillsdale Road and follows Hillsdale Road north to an existing walking path. The route then follows the walking path to where it ends at the Rockcliffe Control Station.

The new Phase 4 Preferred Route, like the Phase 4 XHP Preferred Route identified in the ER (Dillon 2020), includes a segment of NPS 6-inch XHP pipe along Montreal Road from the intersection at Brittany Drive to 100 m east of the intersection at St. Laurent Boulevard.

The east-west portion of the new Phase 4 Preferred Route consists of NPS-12 inch XHP steel pipe and is identical to the Phase 4 XHP Preferred Route identified in the ER, except for a minor route deviation at the RCMP Headquarters adjacent to the MTO corridor at the westbound on-ramp to Highway 417.

Alternative Routes

There are two alternative routes identified on Figure 1.

An alternative to the north-south portion of the new Phase 4 Preferred Route considers an alignment north of Ogilvie Road, which would run along Aviation Parkway and then west on Hemlock Road to St. Laurent Boulevard. This is a portion of the previous Phase 4 XHP Preferred Route described in the ER (Dillon 2020).

In addition, an alternative route is considered at the intersection of Coventry Road and Vanier Parkway, which would run west along the northern boundary of the RCMP Headquarters property, then south along the western boundary of the RCMP Headquarters property, terminating before the Highway 417 corridor where it would tie into the existing pipeline that runs under the Rideau River.

5.0

Physical, Natural, and Socio-Economic Environment Setting

Section 5.0 of the ER (Dillon 2020) describes the environmental and socio-economic setting of the Project. There is no substantial change to the setting information as a result of the proposed Project changes described in this ER Amendment, as the new Phase 4 Preferred Route and alternative routes are within the Study Area assessed in the ER (Dillon 2020). Specifically, the new Phase 4 Preferred Route follows one of the alternative routes that was reviewed in the ER (Dillon 2020).

As such, this section only provides additional information for the Study Area as it relates to baseline air quality (as requested by ECCC), as well as updated Ecological Land Classification (ELC) metrics and proximate watercourses.

5.1

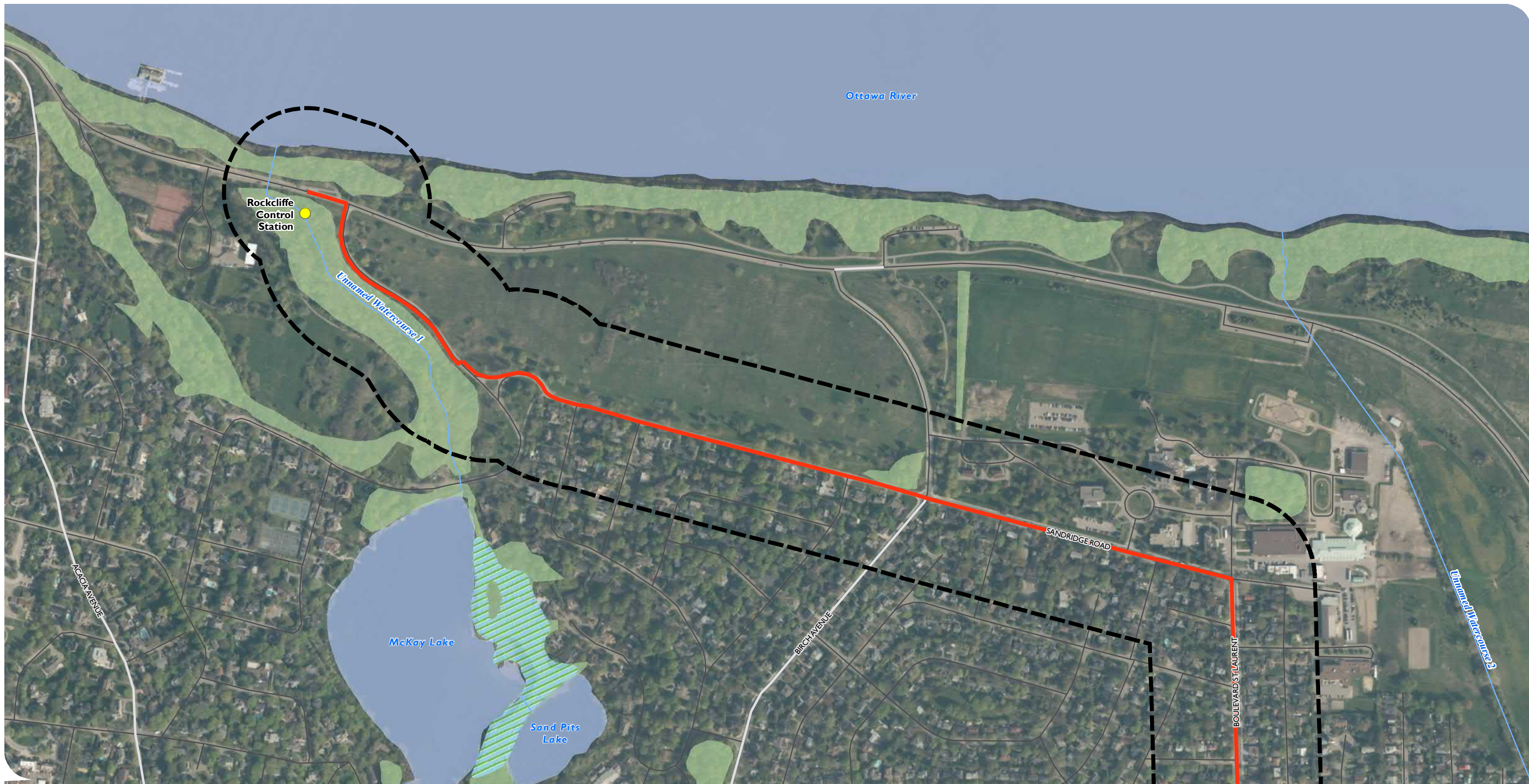
Natural Environment

This subsection provides updated baseline information on the following components:

- Air Quality;
- Surface Water; and
- Terrestrial Habitat and Vegetation.

Existing natural environment features are shown on Figure 2 and ELC within the Study Area is shown on Figure 3.

Detailed natural environmental studies including terrestrial and aquatic field surveys, as well as targeted wildlife surveys to identify potential species at risk and species at risk habitat, were conducted in spring and summer 2020. The results of these field studies are detailed under separate cover and were submitted to ECCC and the NCC in a Natural Heritage Summary Report on October 22, 2020.







ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

EXISTING NATURAL FEATURES

FIGURE 2
MAP 1 OF 5



- | | |
|---|---|
|  Control Station |  Unevaluated Wetland |
|  Alternative Route |  Wooded Area |
|  Phase 4 Preferred Route |  Waterbody |
|  Study Area (125 m) |  Watercourse |



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNR, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

0 25 50 100 Meters

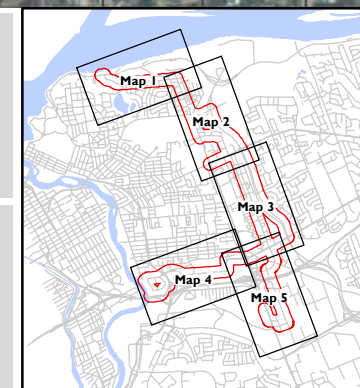
SCALE: 1:5,500

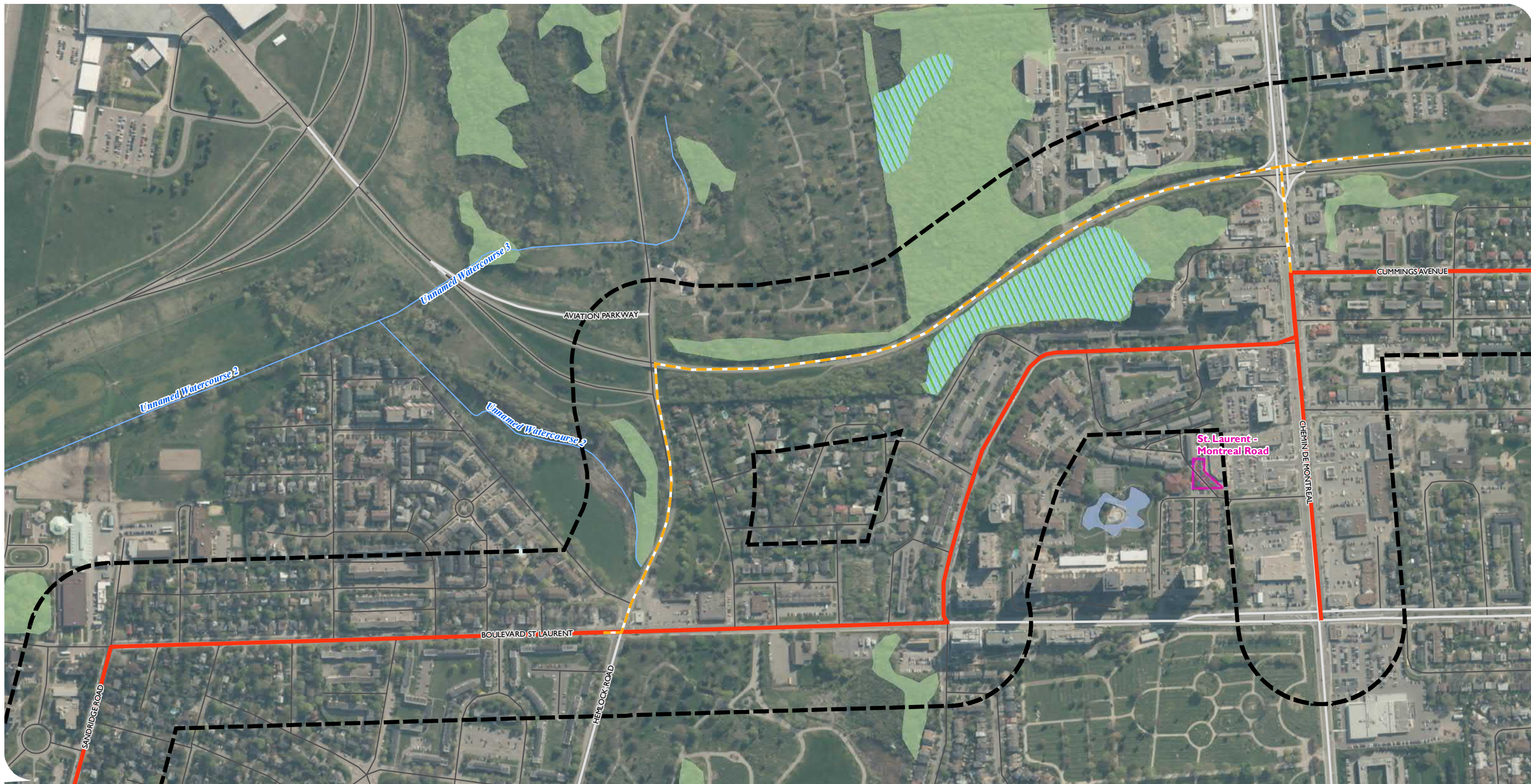


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-17





ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

EXISTING NATURAL FEATURES

FIGURE 2
MAP 2 OF 5



- Alternative Route
- Phase 4 Preferred Route
- Study Area (125 m)
- Unevaluated Wetland
- Wooded Area
- Waterbody
- Watercourse
- ANSI, Earth Science



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNR, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

0 25 50 100 Meters

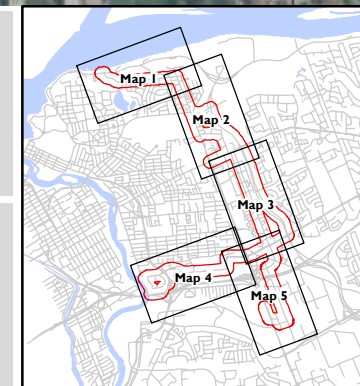
SCALE: 1:5,500

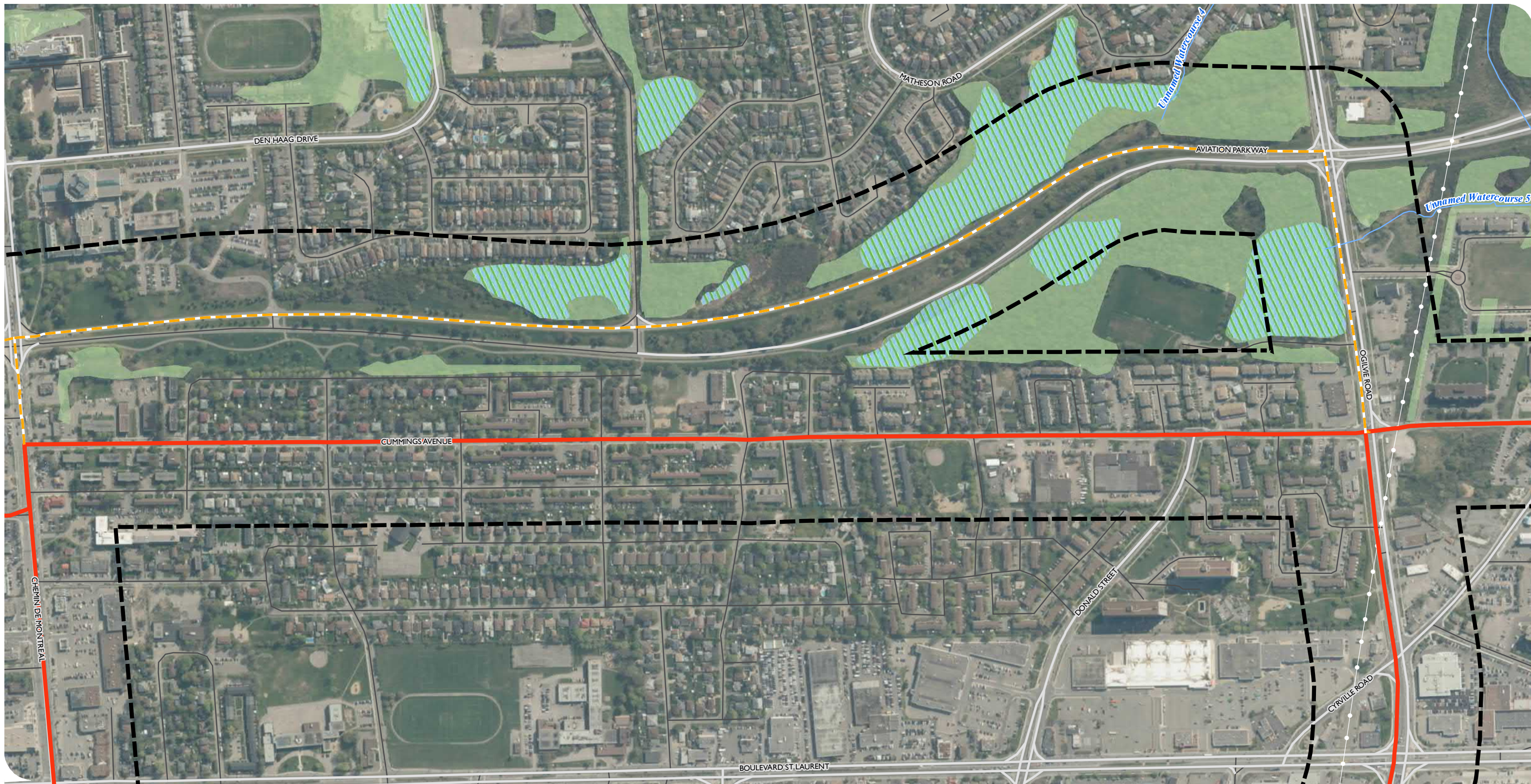


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-17





ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

EXISTING NATURAL FEATURES

FIGURE 2
MAP 3 OF 5



- Alternative Route
- Phase 4 Preferred Route
- Study Area (125 m)
- Hydro Line
- Unevaluated Wetland
- Wooded Area
- Waterbody
- Watercourse



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

0 25 50 100 Meters

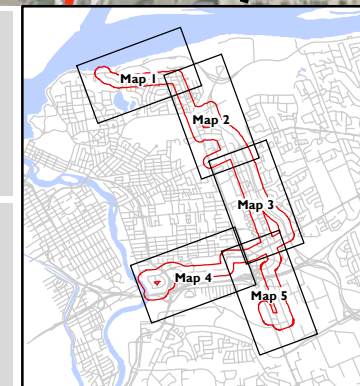
SCALE: 1:5,500

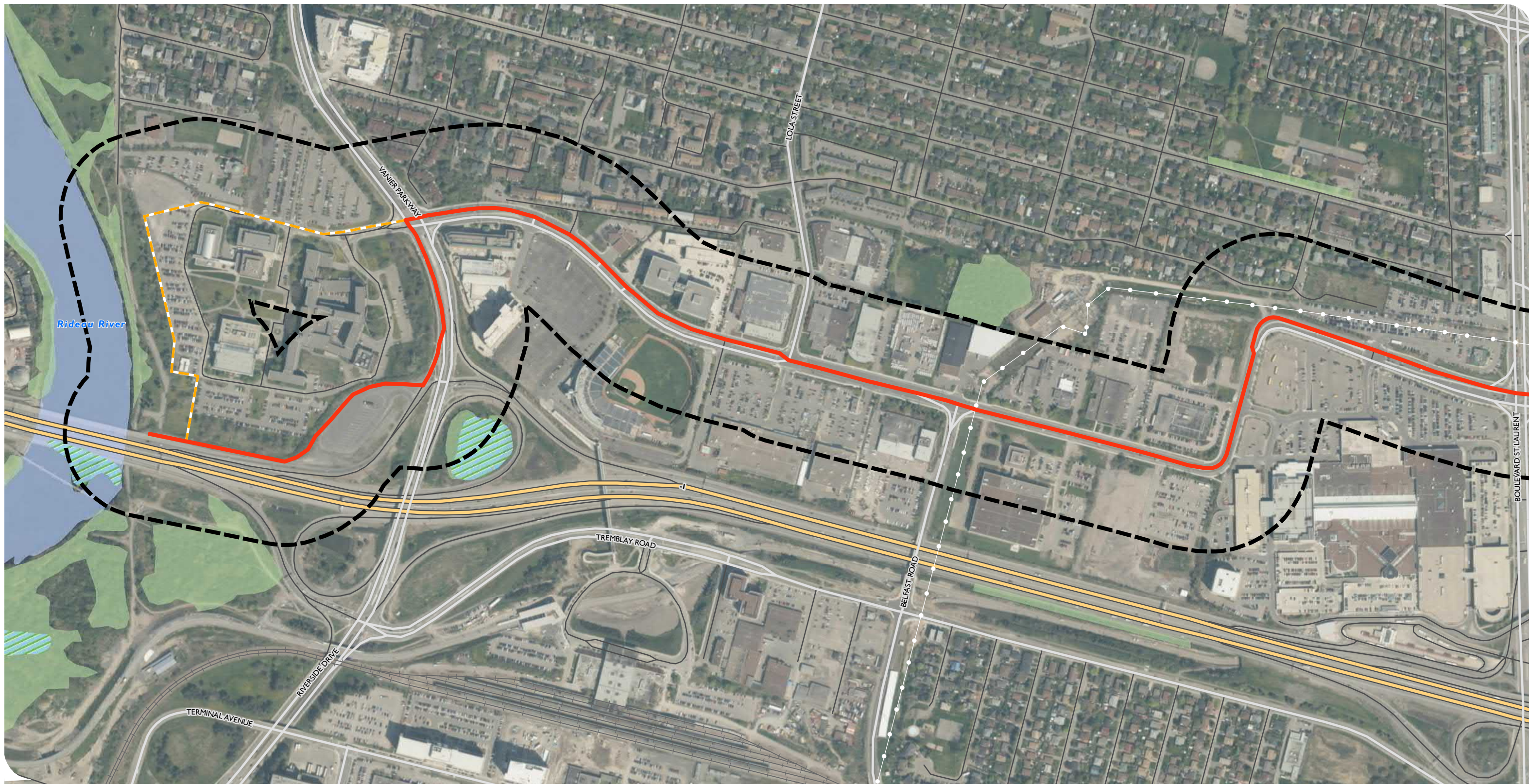


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-17





ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

EXISTING NATURAL FEATURES

FIGURE 2
MAP 4 OF 5



- Alternative Route
- Phase 4 Preferred Route
- Study Area (125 m)
- Hydro Line
- Unevaluated Wetland
- Wooded Area
- Waterbody
- Watercourse



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

0 25 50 100 Meters

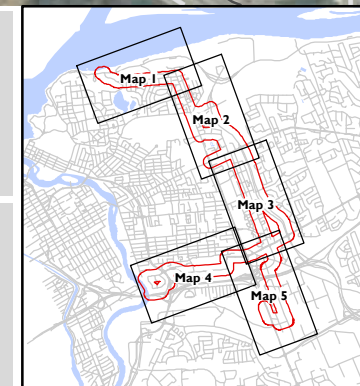
SCALE: 1:5,500

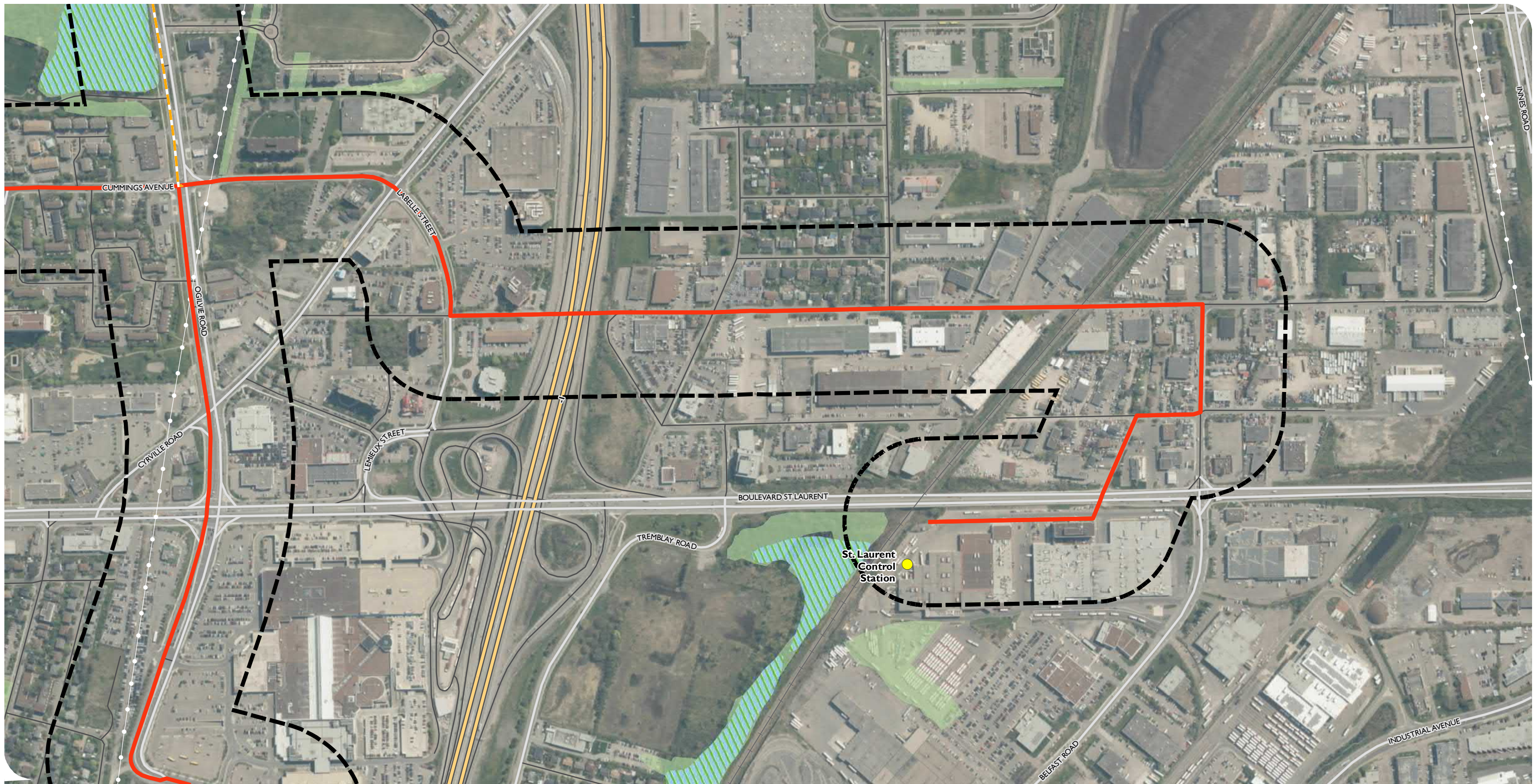


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-17





ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

EXISTING NATURAL FEATURES

FIGURE 2
MAP 5 OF 5



- Control Station
- Alternative Route
- Phase 4 Preferred Route
- Study Area (125 m)
- Hydro Line
- Unevaluated Wetland
- Wooded Area
- Waterbody
- Watercourse



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

0 25 50 100 Meters

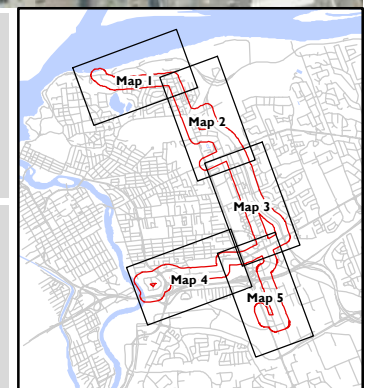
SCALE: 1:5,500

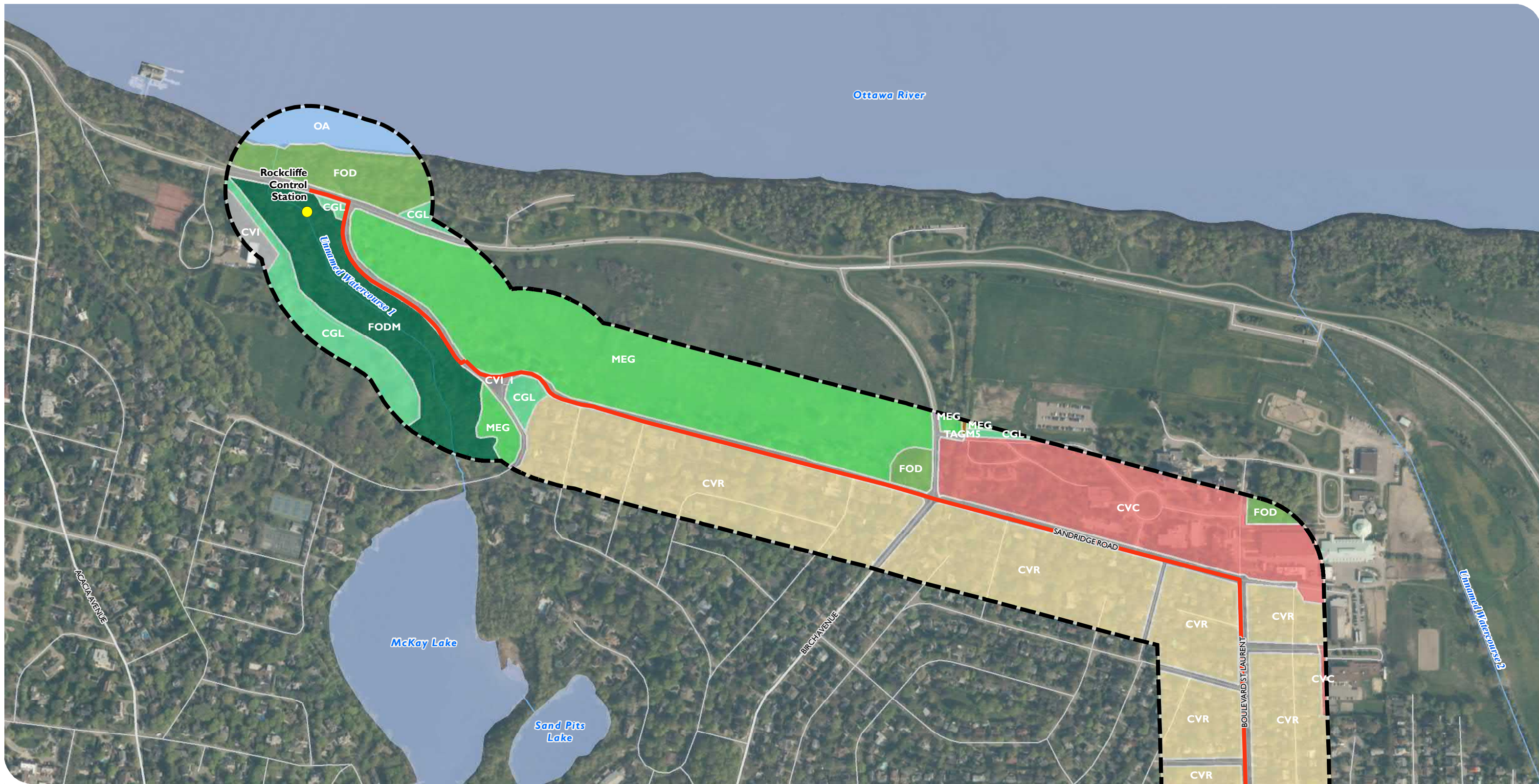


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-17





ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

ECOLOGICAL LAND CLASSIFICATION
FIGURE 3
MAP 1 OF 5



- Control Station
- Phase 4 Preferred Route
- Study Area (125 m)
- Watercourse
- Waterbody

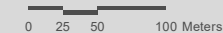
- Ecological Land Classification**
- CGL - Greenlands
 - CVC - Commercial and Institutional
 - CVI - Transportation and Utilities
 - CVI_I - Transportation
 - CVR - Residential
 - FOD - Deciduous Forest
 - FODM - Dry - Fresh Oak Deciduous Forest
 - MEG - Graminoid meadow

- OA - Open Water
- TAGMS - Fencerow



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRFC, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

SCALE: 1:5,500



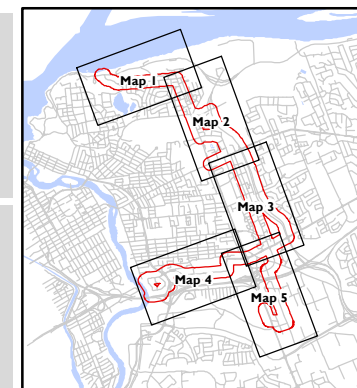
Notes:
- Data has been clipped to study
area extent, with some exceptions

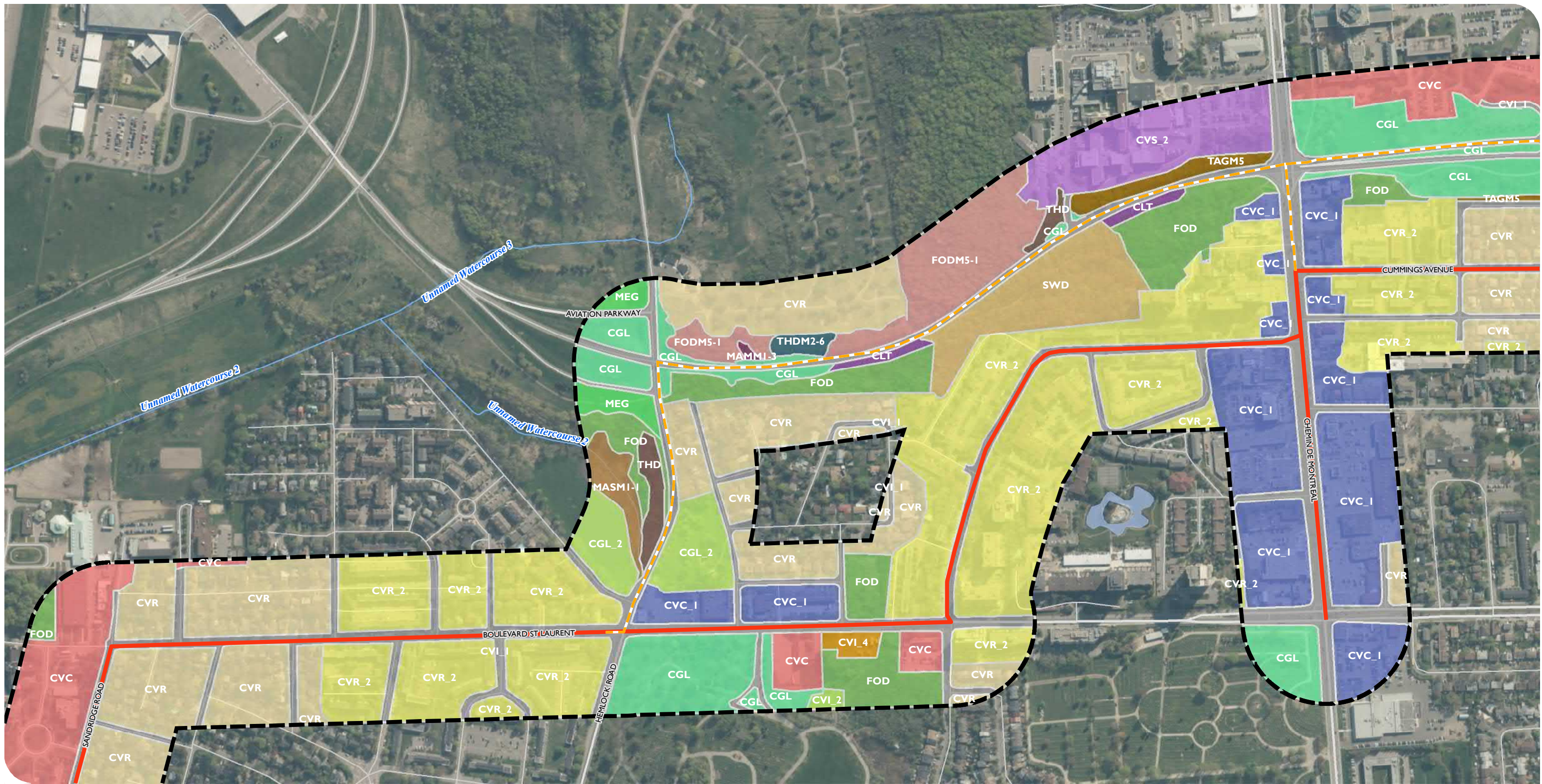


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-17





ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

ECOLOGICAL LAND CLASSIFICATION
FIGURE 3
MAP 2 OF 5



- Alternative Route
- Phase 4 Preferred Route
- Study Area (125 m)
- Watercourse
- Waterbody

Ecological Land Classification

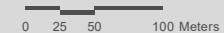
- CGL - Greenlands
- CGL_2 - Parkland
- CLT - Treed Cliff
- CVC - Commercial and Institutional
- CVC_1 - Business Sector
- CVI_1 - Transportation
- CVI_2 - Disposal and Recycle
- CVI_4 - Power Generation
- CVR - Residential
- CVR_2 - High Density Residential
- CVS_2 - Health

- FOD - Deciduous Forest
- FODM5-1 - Dry - Fresh Sugar Maple Deciduous Forest
- MAMMI-3 - Reed-canary Grass Graminoid Mineral Marsh
- MASMI-1 - Cattail Mineral Shallow Marsh
- MEG - Graminoid meadow
- SWD - Deciduous Swamp
- TAGM5 - Fencerow
- THD - Deciduous Thicket
- THDM2-6 - Buckthorn Deciduous Shrub Thicket



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRFC, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

SCALE: 1:5,500



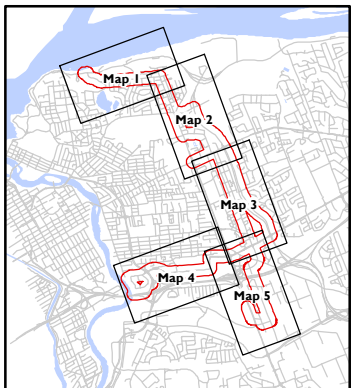
Notes:
- Data has been clipped to study area extent, with some exceptions

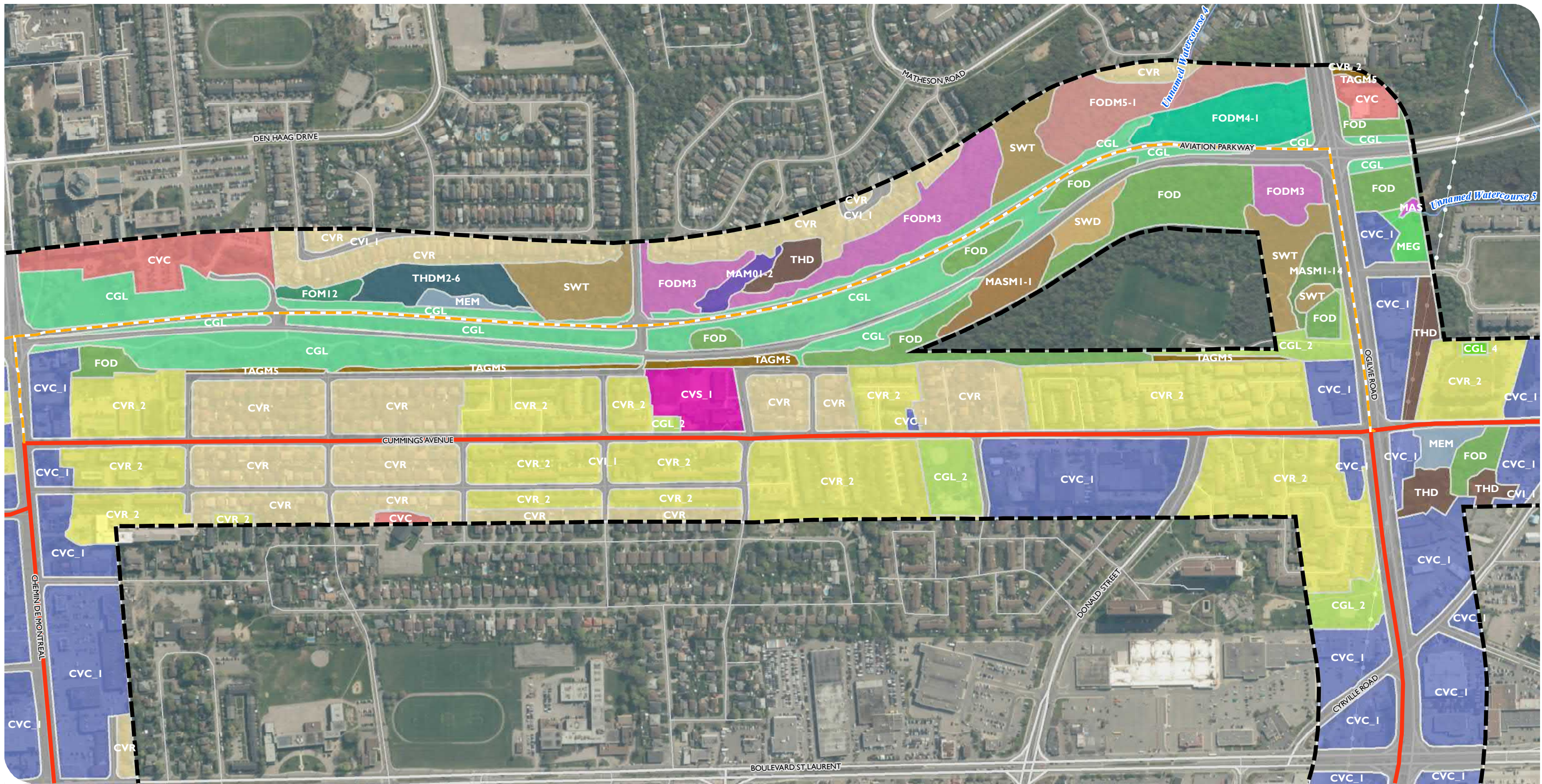


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-17





ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

ECOLOGICAL LAND CLASSIFICATION
FIGURE 3
MAP 3 OF 5



- Alternative Route
- Phase 4 Preferred Route
- Study Area (125 m)
- Hydro Line
- Watercourse

Ecological Land Classification

- CGL - Greenlands
- CGL_2 - Parkland
- CGL_4 - Recreational
- CVC - Commercial and Institutional
- CVC_1 - Business Sector

- CVI_1 - Transportation
- CVR - Residential
- CVR_2 - High Density Residential
- CVS_1 - Education
- FOD - Deciduous Forest
- FODM3 - Dry - Fresh Poplar - White Birch Deciduous

- FODM4-1 - Dry - Fresh Beech Deciduous Forest
- FODM5-1 - Dry - Fresh Sugar Maple Deciduous Forest
- FOM12 - Naturalized Deciduous Plantation
- MAMO1-2 - Cattail Graminoid Organic Meadow Marsh
- MAS - Shallow Marsh
- MASM1-1 - Cattail Mineral Shallow Marsh

- MASM1-14 - Reed Canary Grass Mineral Shallow Marsh
- MEG - Graminoid meadow
- MEM - Mixed Meadow
- SWD - Deciduous Swamp
- SWT - Thicket Swamp
- TAGM5 - Fencerow

- THD - Deciduous Thicket
- THDM2-6 - Buckhorn Deciduous Shrub Thicket



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNR, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

SCALE: 1:5,500



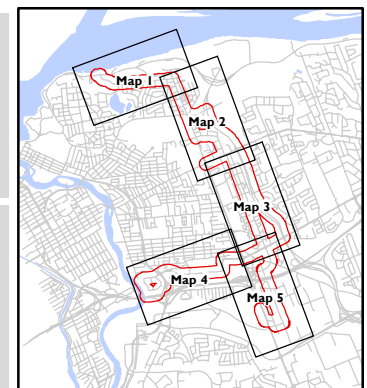
Notes:
- Data has been clipped to study area extent, with some exceptions

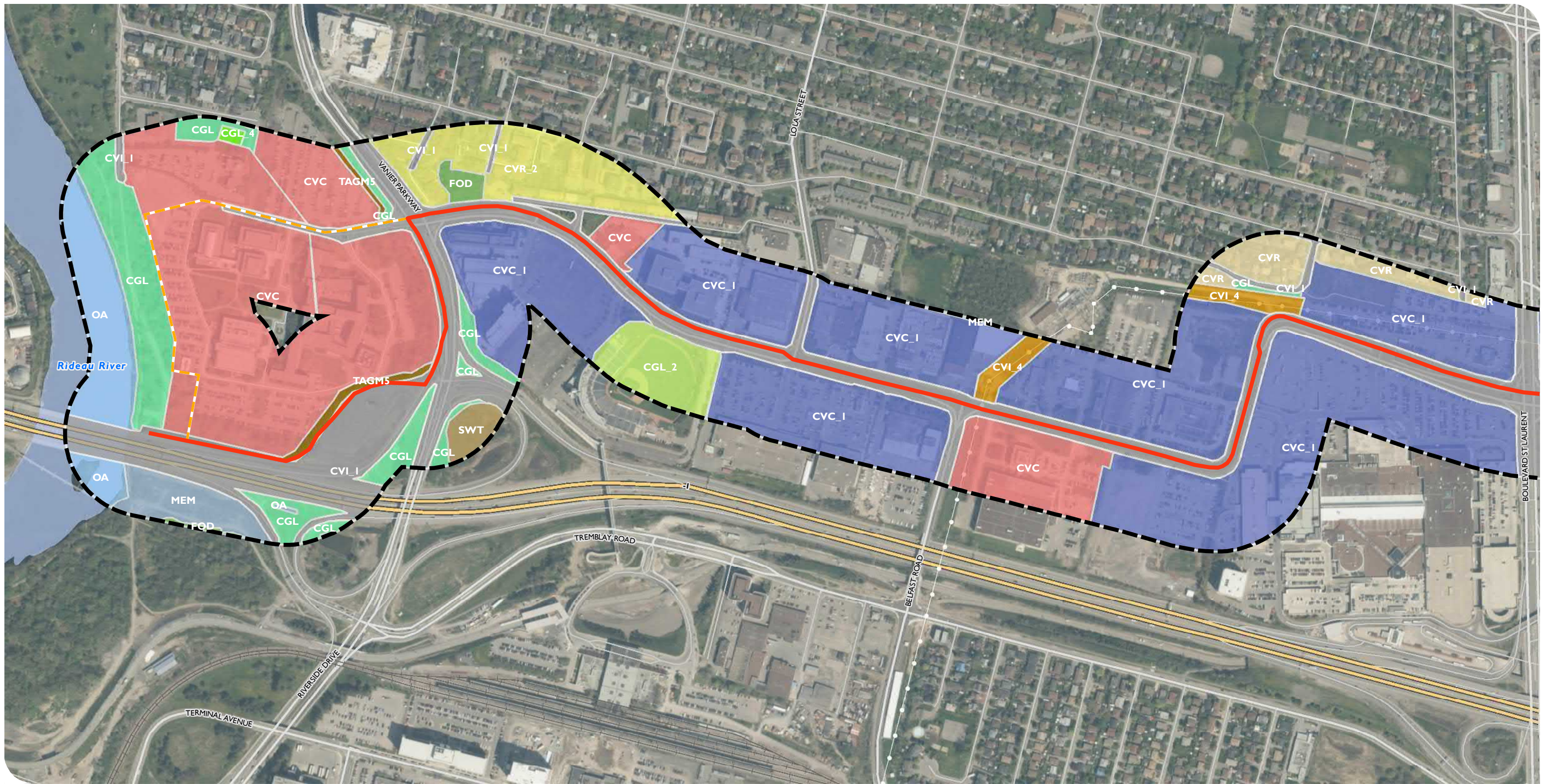


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-17





ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

ECOLOGICAL LAND CLASSIFICATION
FIGURE 3
MAP 4 OF 5



- Alternative Route
- Phase 4 Preferred Route
- Study Area (125 m)
- Hydro Line
- Waterbody

- Ecological Land Classification**
- CGL - Greenlands
 - CGL_2 - Parkland
 - CGL_4 - Recreational
 - CVC - Commercial and Institutional

- CVC_I - Business Sector
- CVL_I - Transportation
- CVL_4 - Power Generation
- CVR - Residential

- CVR_2 - High Density Residential
- FOD - Deciduous Forest
- MEM - Mixed Meadow
- OA - Open Water
- SWT - Thicket Swamp
- TAGM5 - Fencerow



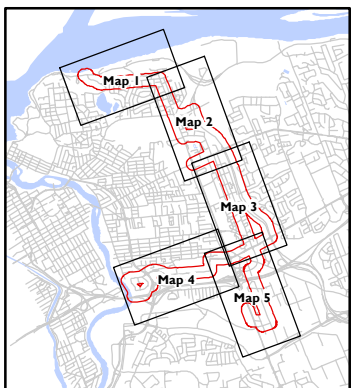
MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

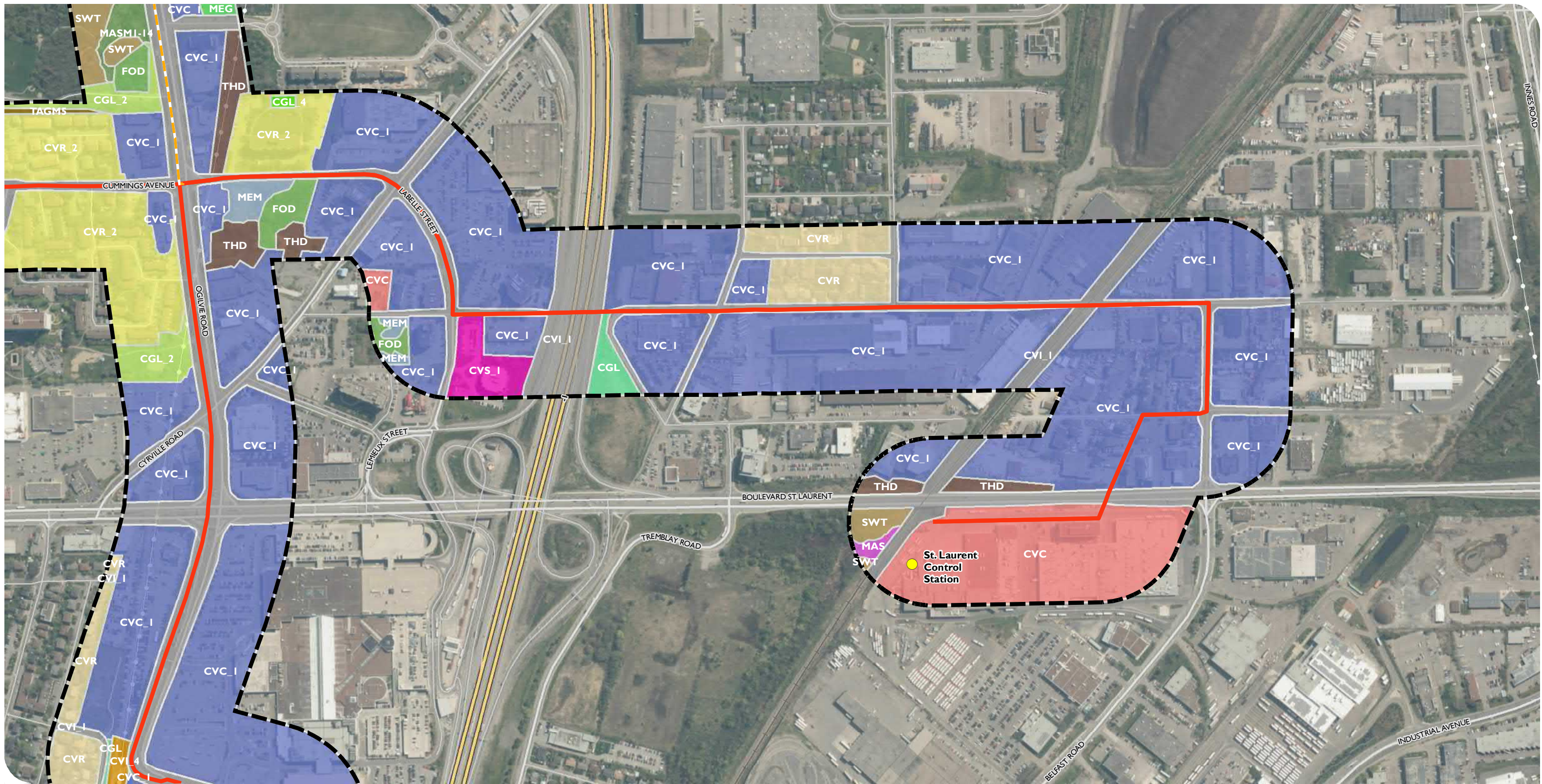


Notes:
- Data has been clipped to study area extent with some exceptions



PROJECT: 19-1850 STATUS: DRAFT DATE: 2020-11-17





ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

ECOLOGICAL LAND CLASSIFICATION
FIGURE 3
MAP 5 OF 5



- Control Station
- Alternative Route
- Phase 4 Preferred Route
- Study Area (125 m)
- Hydro Line

- Ecological Land Classification**
- CGL - Greenlands
 - CGL_2 - Parkland
 - CGL_4 - Recreational
 - CVS_I - Education
 - CVC - Commercial and Institutional

- CVC_I - Business Sector
- CVL_I - Transportation
- CVL_4 - Power Generation
- CVR - Residential

- CVR_2 - High Density Residential
- CVS_I - Education
- FOD - Deciduous Forest
- MAS - Shallow Marsh

- MASMI-14 - Reed Canary Grass Mineral Shallow Marsh
- MEG - Graminoid meadow
- MEM - Mixed Meadow
- SWT - Thicket Swamp

- TAGMS - Fencerow
- THD - Deciduous Thicket



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRFC, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

SCALE: 1:5,500



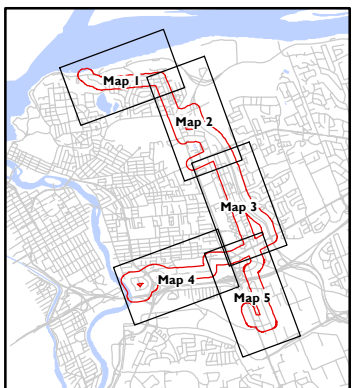
Notes:
- Data has been clipped to study area extent with some exceptions



PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-17



5.1.1 Air Quality

Additional baseline information on air quality in the Project area has been added in the section in response to ECCC comments on the ER (Dillon 2020).

5.1.1.1 Inventory of Potential Construction Equipment

Table 1 provides the expected inventory and quantity of construction equipment that is likely to be on the Project site at any given time.

Table 1: Inventory of Construction Equipment

Equipment Type	Anticipated Quantity
D5 rubber track side boom	1
Zero swing 313 excavator	1
420 rubber tire backhoe	1
Single axle dump truck	1
40-55-ton highboy/lowboy trailer (for D5/excavator transport)	1
Welding truck	1
Tooling Van	1
Sandblast truck	1
Coating truck	1
Hydrovac	1
18-ton trailer	1
Air compressor	1
Diesel plate packer	1
Jumping Jack	1
Fitter's van	1
4x4 pick-up trucks	2
1.5-ton flat-deck pick-up trucks	2

Welding procedures will be ASME B&PV Sec. IX, using E6010 and/or E7010-A1 welding rods.

5.1.1.2 Expected Air Compounds

Based on the type of equipment (mobile construction equipment and welding) to be used during construction of the Project, expected air compounds include:

- Nitrogen Oxides (as Nitrogen Dioxide, NO₂)
- Total Suspended Particulate Matter
- Particulate Matter ≤ 10 µm (PM₁₀)
- Particulate Matter ≤ 2.5 µm (PM_{2.5})
- Sulphur Dioxide (SO₂)
- Carbon Monoxide (CO)

- Volatile Organic Compounds (VOCs), such as acetaldehyde, acrolein, benzene, 1,3-butadiene and formaldehyde
- Metals, such as Chromium, Hexavalent Chromium, Manganese, and Nickel

It is not anticipated there will be substantial emissions during the operations phase of the Project as activities will consist of light vehicle use during regular maintenance and inspection.

These compounds reflect the primary compounds of interest associated with construction/mobile equipment and welding activities. Compound identification relied on the U.S. Environmental Protection Agency (EPA) document Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression-Ignition NR-009d, the U.S. EPA AP-42 Chapter 12.19 (Electric Arc Welding), and MTO guidance.

5.1.1.3 Ambient Air Quality

In determining ambient air quality within the Study Area, the Ottawa Downtown air monitoring station, operated by the Ministry of Environment, Conservation and Parks (MECP) and the ECCC National Air Pollution Surveillance (NAPS) program, was selected, as it is the closest monitoring station to the Project area. For this station (MECP ID 51001 and NAPS ID 60104), hourly monitoring data was used to develop representative background air quality concentrations for compounds of interest (NO₂, PM_{2.5}, SO₂, CO). For each of these compounds, a 3-year dataset (2015-2017) was selected. Averaging periods for compounds were based on Ontario's Ambient Air Quality Criteria (AAQC) and the Canadian Ambient Air Quality Standards (CAAQS). Where applicable, the methodology for data analysis followed the statistical form as described in the CAAQS. In the case of VOCs, NAPS data (2015-2017) was used to determine background concentrations for 1,3-butadiene. It should be noted that 1,3-butadiene is the only VOC of interest for which NAPS monitoring data was available.

Baseline concentrations of selected compounds and comparison against the applicable criteria are summarized in Table 2.

Table 2: Background Concentrations of Select Air Compounds

Compound	CAS #	Averaging Period	Ambient Concentration (µg/m ³)	% of Guideline	Guideline Value (µg/m ³)	Guideline
Nitrogen dioxide (NO ₂) ^[1]	10102-44-0	1 hr	80.93	20.2%	400	Ontario AAQC
				71.7%	113	CAAQS (2020)
		24 hr	26.45	13.2%	200	Ontario AAQC

Compound	CAS #	Averaging Period	Ambient Concentration ($\mu\text{g}/\text{m}^3$)	% of Guideline	Guideline Value ($\mu\text{g}/\text{m}^3$)	Guideline
		Annual	13.97	43.7%	32.0	CAAQS (2020)
Particulate Matter $\leq 2.5 \mu\text{m}$ (PM _{2.5}) ^[2]	-	24 hr	17.89	59.6%	30 ^[5]	Ontario AAQC
				66.3%	27	CAAQS (2020)
		Annual	6.24	70.9%	8.8	CAAQS (2020)
Sulphur Dioxide (SO ₂) ^[3]	7446-09-5	1 hr	13.97	2.0%	690	Ontario AAQC
				7.6%	183	CAAQS (2020)
		24 hr	1.95	0.7%	275	Ontario AAQC
		Annual	0.92	1.7%	55	Ontario AAQC
				7.0%	13	CAAQS (2020)
CO	630-08-0	1 hr	1065.42	2.9%	36,200	Ontario AAQC
		8 hr	730.33	4.7%	15,700	Ontario AAQC
1,3-Butadiene (VOC) ^[4]	106-99-0	24 hr	0.05	0.5%	10	Ontario AAQC
		Annual	0.03	1.6%	2	Ontario AAQC

Notes:

- [1] 1-hr concentration based on the 3-year average of the annual 98th percentile of the daily maximum 1-hour average concentrations. 24-hr concentrations based on a 90th percentile of daily 24-hour average concentrations. Annual concentration based on the average over a single calendar year of all 1-hour average concentrations.
- [2] 24-hr concentration based on the 3-year average of the annual 98th percentile of the daily 24-hour average concentrations. Annual concentration based on the 3-year average of the annual average of all 1-hour concentrations.
- [3] 1-hr concentration based on the 3-year average of the annual 99th percentile of the SO₂ daily maximum 1-hour average concentrations. Annual concentration based on the average over a single calendar year of all 1-hour average SO₂ concentrations.
- [4] 24-hr concentration based on the 3-year average of the 90th percentile of the 24-hour concentrations.
- [5] This value of 30 $\mu\text{g}/\text{m}^3$ (24 hr) is the Canada-wide Standard for PM_{2.5}

- Ambient air quality data was collected from ECCC NAPS Ottawa Downtown (51001) Station for the years 2015-2017 with the exception of 1,3 Butadiene data which was collected from Station ID 60104.
- Bold values indicate that guideline values were reported in ppb/ppm values in criteria and guidelines, and were then converted to ug/m³ for comparison purposes.
- Future CAAQS not shown as Project activities that generate emissions will be limited to construction and will be completed prior to the phasing in of future CAAQS (i.e., 2025).

5.1.2 Surface Water

As described in the ER (Dillon 2020), a total of five unnamed watercourses were identified in the Study Area and were characterized as small streams or drains within the Ottawa River East subwatershed.

The locations of all watercourses are shown on Figure 2 and are described below.

- Unnamed Watercourse 1: There are no changes to this feature as described in the ER (Dillon 2020) in relation to the Phase 4 Preferred Route (see Figure 2, map sheet 1).
- Unnamed Watercourse 2: This feature now crosses the Phase 4 Preferred Route only once, along Hemlock Road (see Figure 2, map sheets 1 and 2).
- Unnamed Watercourse 3: No longer in the Study Area of the Phase 4 Preferred Route (see Figure 2, map sheet 2).
- Unnamed Watercourse 4: There are no changes to this feature as described in the ER (Dillon 2020) in relation to the Phase 4 Preferred Route (see Figure 2, map sheet 3).
- Unnamed Watercourse 5: There are no changes to this feature as described in the ER (Dillon 2020) in relation to the Phase 4 Preferred Route (see Figure 2, map sheet 3).

Both the Ottawa River and the Rideau River remain within the Study Area; however the extent to which the Study Area extends into these waterbodies is reduced. All of the previously identified storm water management ponds remain within the Study Area.

5.1.3 Terrestrial Habitat and Vegetation

Terrestrial habitat and vegetation metrics have been updated for the new Phase 4 Preferred Route Study Area. In general, the composition of ELC communities provided in the ER (Dillon 2020) remains consistent with the new Phase 4 Preferred Route where lands are predominantly classified as 'constructed' communities, with infrequent occurrences of natural/naturalized community types. An updated list of ELC community types, the number of polygons of each, and their total area within the new Phase 4 Preferred Route Study Area is provided in Table 3.

Table 3: Updated ELC Communities within the Study Area

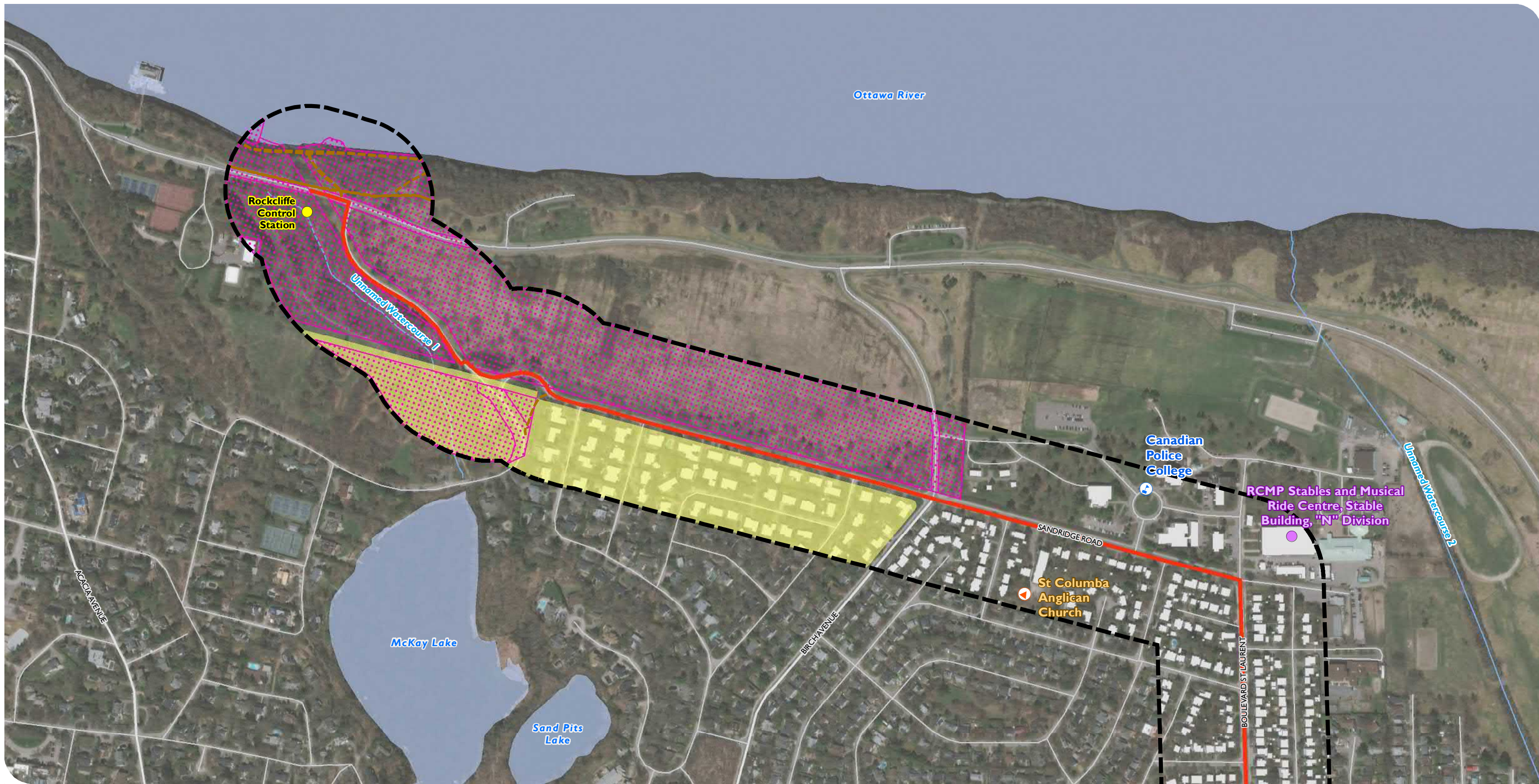
ELC Community Code	ELC Community Type	Number of Polygons within Study Area	Combined Area per ELC Type (ha)
CULTURAL			
CGL	Greenlands	38	24.87
CGL_2	Parkland	8	6.34
CGL_4	Recreational	2	0.15
CVC	Commercial and Institutional	13	34.24
CVC_1	Business Sector	45	88.31
CVI	Transportation and Utilities	1	0.33
CVI_1	Transportation	11	54.83
CVI_2	Disposal and Recycle	1	0.14
CVI_4	Power Generation	3	1.17
CVR	Residential	40	45.97
CVR_2	High Density Residential	29	49.29
CVS_1	Education	2	2.14
CVS_2	Health	1	3.47
NATURAL (UPLAND)			
Cliff			
CLT	Treed Cliff	2	0.40
Forest			
FOD	Deciduous Forest	22	15.66
FODM	Dry – Fresh Oak Deciduous Forest	1	4.22
FODM3	Dry – Fresh Poplar – White Birch Deciduous Forest	3	3.96
FODM4-1	Dry – Fresh Beech Deciduous Forest	1	1.81
FODM5-1	Dry – Fresh Sugar Maple Deciduous Forest	3	6.06
FODM12	Naturalized Deciduous Plantation	1	0.28
Thicket			
TAGM5	Fencerow	10	2.25
THD	Deciduous Thicket	8	3.04
THDM2-6	Buckthorn Deciduous Shrub Thicket	2	1.49
Meadow			
MEG	Graminoid Meadow	7	12.00
MEM	Mixed Meadow	7	2.14
NATURAL (WETLAND)			
Swamp			
SWD	Deciduous Swamp	2	3.78
SWT	Thicket Swamp	6	4.57
Marsh			
MAMO1-2	Cattail Graminoid Organic Meadow Marsh	1	0.38
MAMM1-3	Reed-canary Grass Graminoid Mineral Marsh	1	0.05
MAS	Shallow Marsh	2	0.19

ELC Community Code	ELC Community Type	Number of Polygons within Study Area	Combined Area per ELC Type (ha)
MASM1-1	Cattail Mineral Shallow Marsh	2	1.59
MASM1-14	Reed Canary Grass Mineral Shallow Marsh	1	0.48
AQUATIC SYSTEM			
OA	Open Water	5	4.06

5.2 Socio-Economic Environment

There are no changes to the baseline settings provided for the socio-economic environment in relation to the new Phase 4 Preferred Route.

Socio-economic features are shown on Figure 4.



ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

SOCIO-ECONOMIC FEATURES
FIGURE 4
MAP 1 OF 5



- | | | |
|-------------------------|-------------------|--------------------------------|
| Control Station | School | NCC Land |
| Phase 4 Preferred Route | Cultural Facility | Heritage Conservation District |
| Study Area (125 m) | Built Heritage | Building Footprint |
| Watercourse | Path | |
| Waterbody | | |



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNR, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

SCALE: 1:5,500

0 25 50 100 Meters

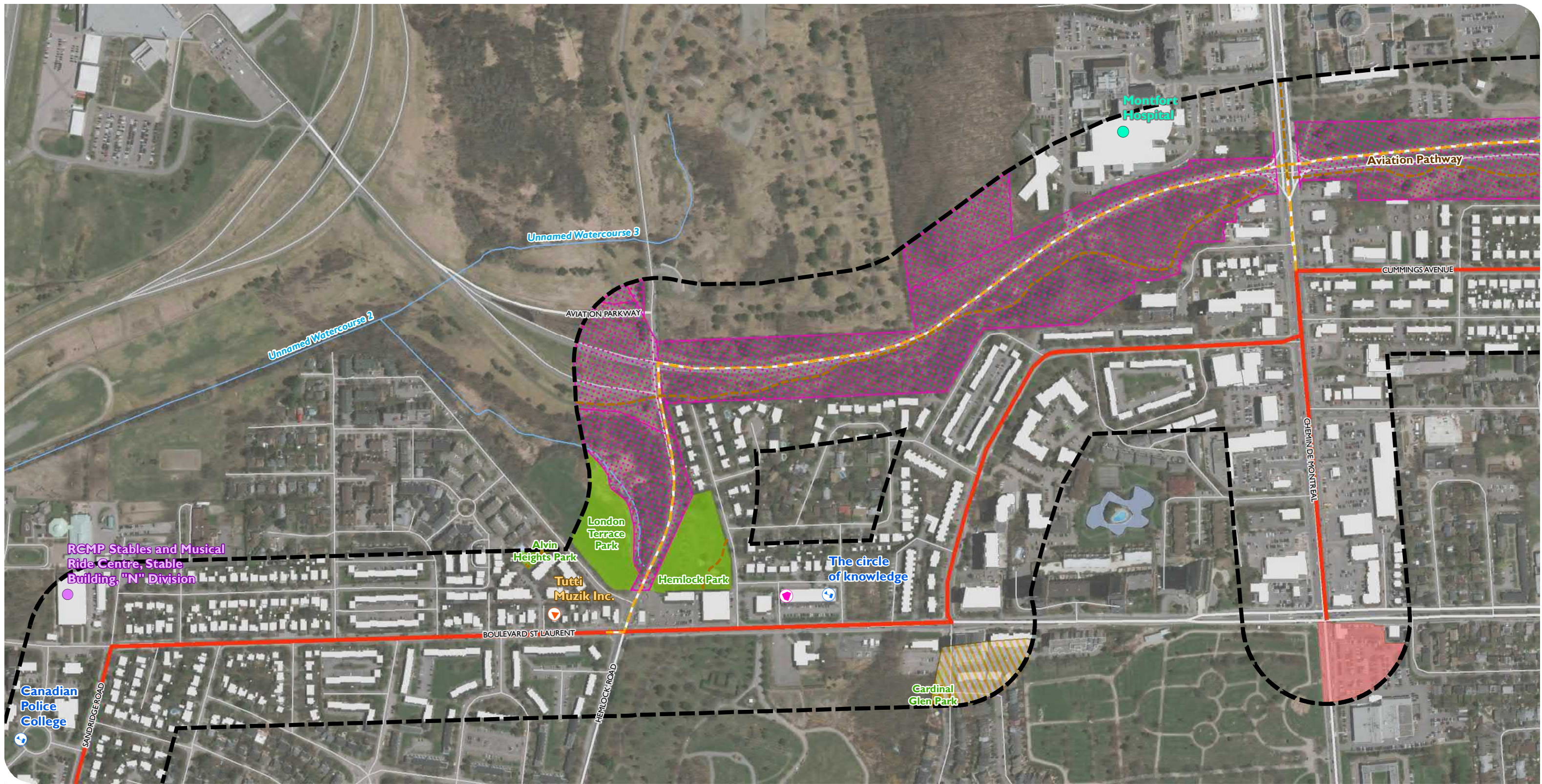
Notes:
- Data has been clipped to study
area extent, with some exceptions



PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-17



ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

SOCIO-ECONOMIC FEATURES
FIGURE 4
MAP 2 OF 5



- | | | | |
|-------------------------|---------------------------------|-----------------|---------------------------|
| Alternative Route | Licenced Home Child Care Agency | Built Heritage | Park / Greenspace |
| Phase 4 Preferred Route | School | Path | Business Improvement Area |
| Study Area (125 m) | Hospital | NCC Land | Building Footprint |
| Watercourse | Cultural Facility | Former Landfill | |
| Waterbody | | | |



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNR, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

SCALE: 1:5,500

0 25 50 100 Meters

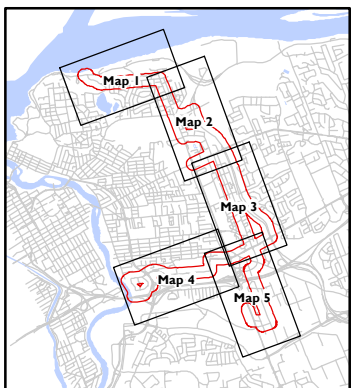
Notes:
- Data has been clipped to study area extent, with some exceptions

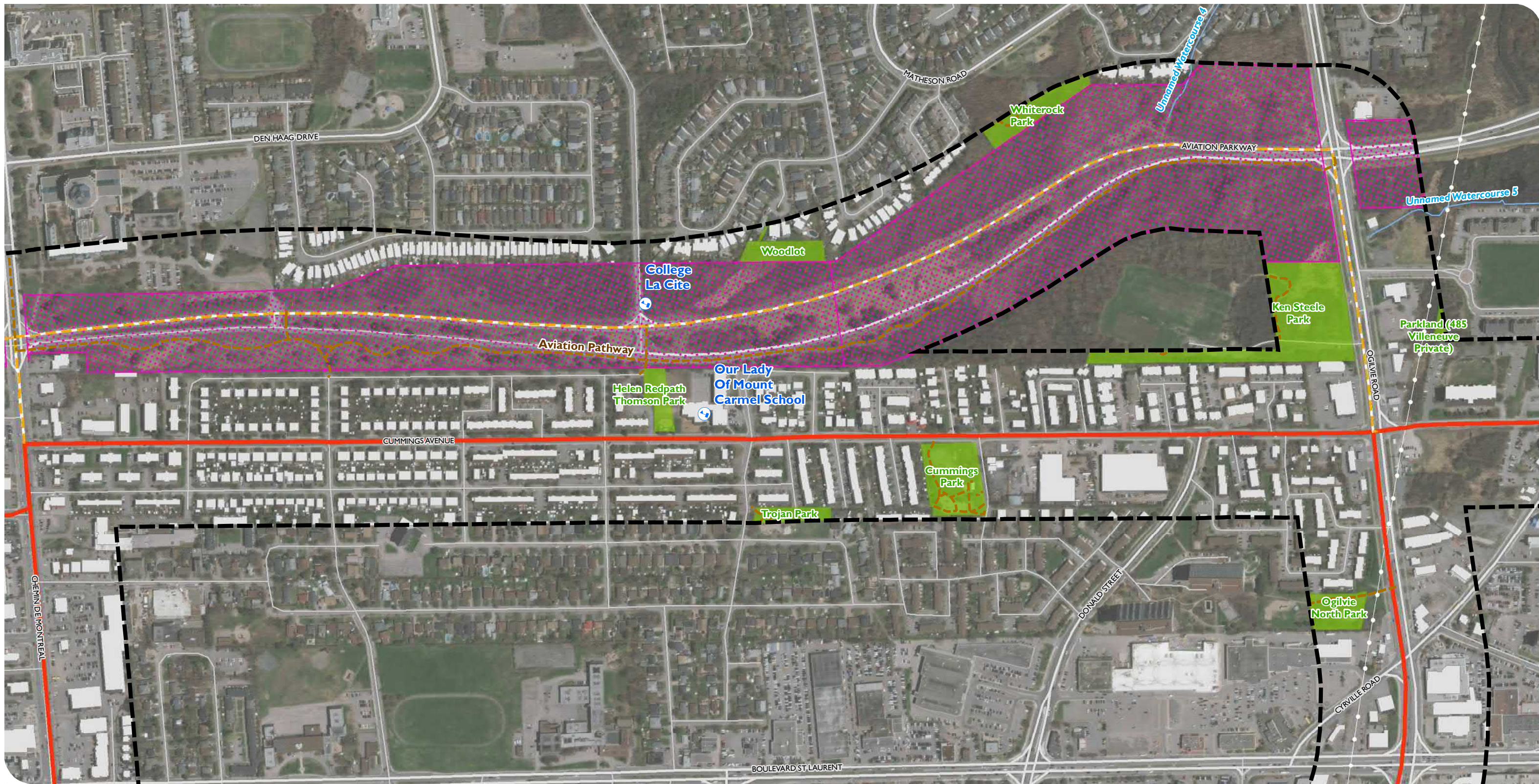


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-17





ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

SOCIO-ECONOMIC FEATURES
FIGURE 4
MAP 3 OF 5



- Alternative Route
- Phase 4 Preferred Route
- Study Area (125 m)
- Watercourse
- Hydro Line
- 📍 School
- Path
- NCC Land
- Park / Greenspace
- Business Improvement Area
- Building Footprint



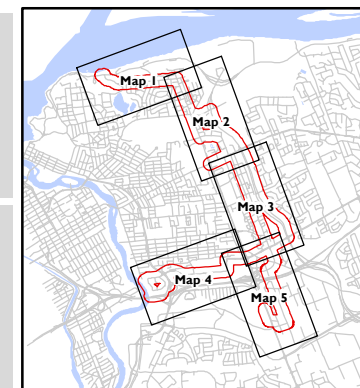
MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

SCALE: 1:5,500
0 25 50 100 Meters

Notes:
- Data has been clipped to study
area extent, with some exceptions



PROJECT: 19-1850 STATUS: DRAFT DATE: 2020-11-17





ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

SOCIO-ECONOMIC FEATURES
FIGURE 4
MAP 4 OF 5

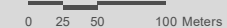


- Alternative Route
- Phase 4 Preferred Route
- Study Area (125 m)
- Waterbody
- Hydro Line
- Residential Service (Domiciliary Hostel)
- F Fire Station
- RCMP
- Path
- NCC Land
- Park / Greenspace
- Building Footprint



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNR, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

SCALE: 1:5,500



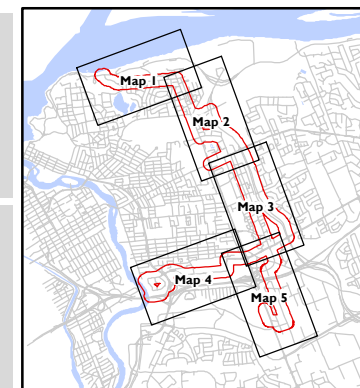
Notes:
- Data has been clipped to study
area extent, with some exceptions

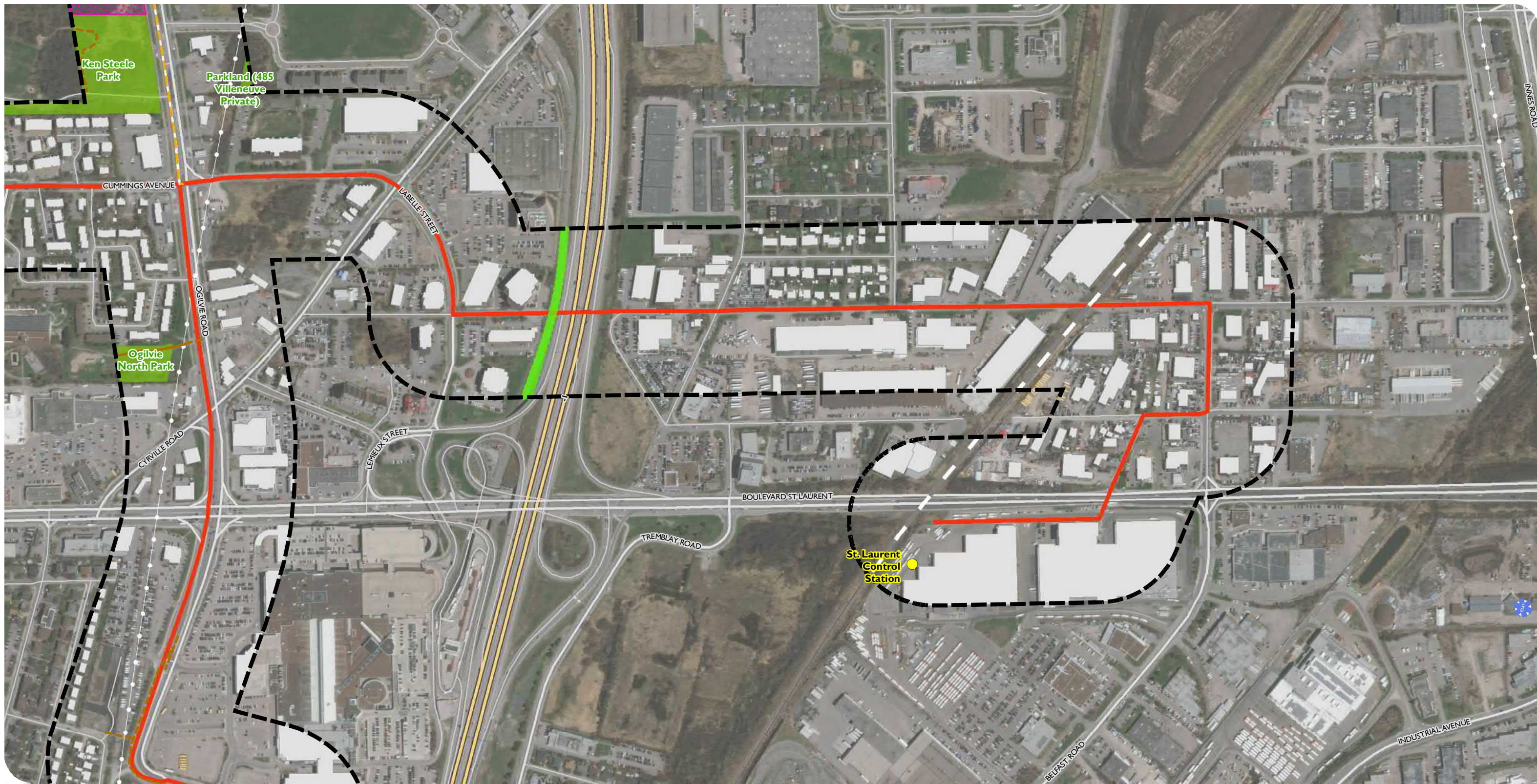


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-17





ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

SOCIO-ECONOMIC FEATURES
FIGURE 4
MAP 5 OF 5



- Control Station
- Alternative Route
- Phase 4 Preferred Route
- Study Area (125 m)
- Hydro Line
- Path
- Stage I O Train Line
- Railway
- NCC Land
- Park / Greenspace
- Building Footprint



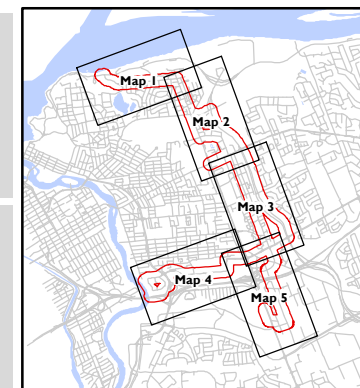
MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N



Notes:
- Data has been clipped to study area extent with some exceptions



PROJECT: 19-1850 STATUS: DRAFT DATE: 2020-11-17



Effects Assessment and Proposed Mitigation

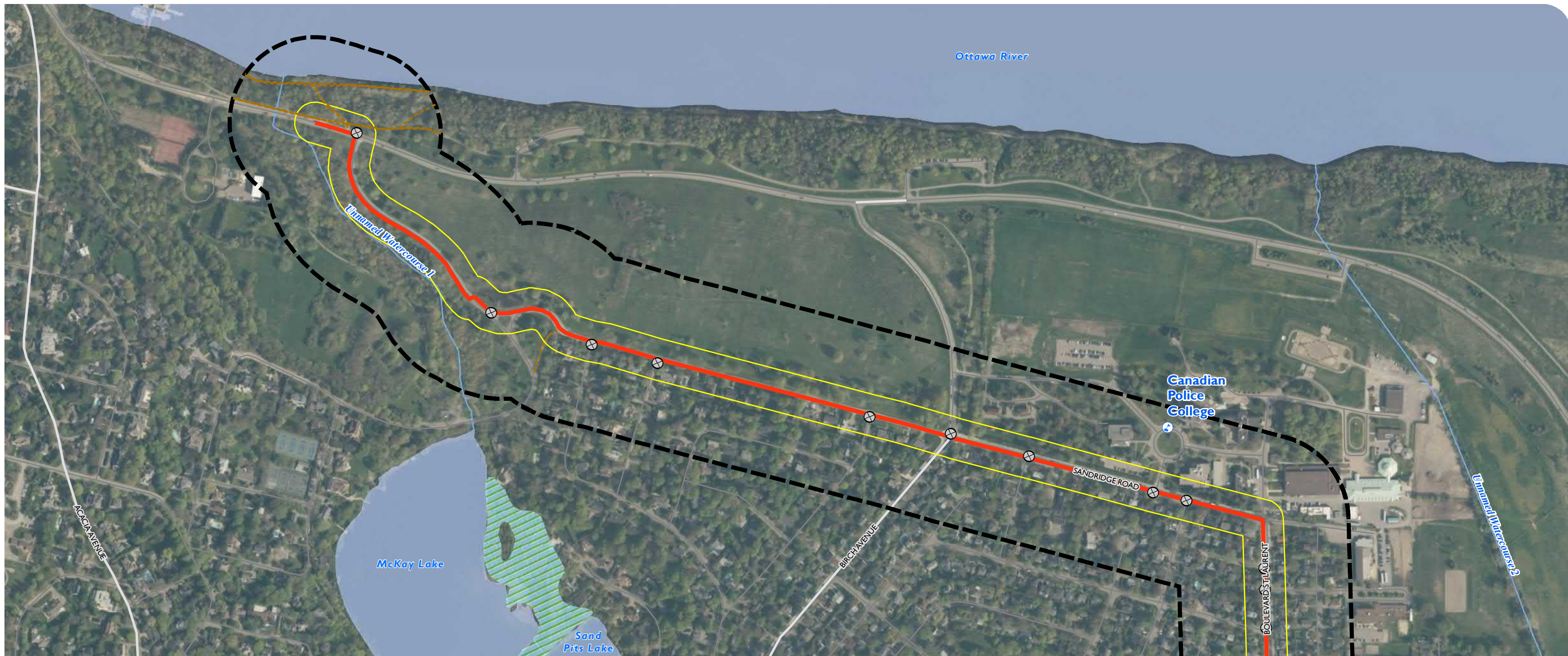
Table 4 provides a revised assessment of potential effects associated with the new Phase 4 Preferred Route, where applicable, and notes where there is no change to the assessment provided in the ER (Dillon 2020). Recommended mitigation measures are also described in this section and select mitigation measures are shown on Figure 5.

Table 4: Revised Effects Assessment and Proposed Mitigation for the Construction and Operations of the New Phase 4 Preferred Route

Component	Context/Interaction	Potential Effect(s)	Mitigation Measures	Potential Residual Effect(s)
PHYSICAL ENVIRONMENT				
Physiography and Topography	<ul style="list-style-type: none"> There is no change to the effects assessment on physiography and topography, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
Surficial Geology and Soils	<ul style="list-style-type: none"> There is no change to the effects assessment on surficial geology and soils, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
Groundwater	<ul style="list-style-type: none"> There is no change to the effects assessment on groundwater, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
Bedrock	<ul style="list-style-type: none"> There is no change to the effects assessment on bedrock, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
NATURAL ENVIRONMENT				
Atmospheric Environment	<ul style="list-style-type: none"> There is no change to the effects assessment on the atmospheric environment, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
Aquatic Environment	<ul style="list-style-type: none"> There is no change to the effects assessment on the aquatic environment, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
Wetlands	<ul style="list-style-type: none"> There is no change to the effects assessment on wetlands, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
Areas of Natural and Scientific Interest and Other Environmentally Significant Areas	<ul style="list-style-type: none"> There is no change to the effects assessment on Areas of Natural and Scientific Interest and other environmentally significant areas, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
Terrestrial Habitat and Vegetation	<ul style="list-style-type: none"> There is no change to the effects assessment on terrestrial habitat and vegetation, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
Wildlife and Wildlife Habitat	<ul style="list-style-type: none"> There is no change to the effects assessment on wildlife and wildlife habitat, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
Species at Risk	<ul style="list-style-type: none"> There is no change to the effects assessment on species at risk, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
SOCIO-ECONOMIC ENVIRONMENT				
Planning Policies	<ul style="list-style-type: none"> There is no change to the effects assessment on planning policies, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
Existing and Planned Land Use	<ul style="list-style-type: none"> There is no change to the effects assessment on existing and planned land use, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A
Population, Employment, and Economic Activities	<ul style="list-style-type: none"> There is no change to the effects assessment on population, employment, and economic activities, as presented in the ER (Dillon 2020). 	• N/A	• N/A	• N/A

Component	Context/Interaction	Potential Effect(s)	Mitigation Measures	Potential Residual Effect(s)
Human Occupancy and Resource Use	<ul style="list-style-type: none"> The new Phase 4 Preferred Route is located in more densely populated residential areas than the previous preferred route and the disruptions caused by construction may be more obvious and intrusive in the daily life of adjacent residents and businesses. Construction activities will temporarily cause nuisance noise for local residents and businesses. Visual effects of construction cannot be mitigated, however, will be short-term and localized. The presence of construction equipment and vehicles is not uncommon or unexpected in an urban environment. During operations, visual effects will be limited to the presence of above-ground safety signage. 	<ul style="list-style-type: none"> Temporary increase in nuisance noise during construction. 	<ul style="list-style-type: none"> Construction activities will be carried out in compliance with municipal noise by-laws with respect to noise and construction equipment usage. No construction activities will occur on Statutory Holidays, Sundays and at night as stipulated in respective noise by-laws without applicable noise by-law exemptions. General noise control measures will be implemented during construction (i.e., proper maintenance of equipment, muffling systems, minimum idling of equipment and vehicles). 	<ul style="list-style-type: none"> Following the implementation of mitigation measures, the residual effect is anticipated to be low to moderate magnitude, short-term in duration, and not significant.
Infrastructure and Services	<ul style="list-style-type: none"> The new Phase 4 Preferred Route is located in more densely populated residential areas than the previous preferred route and the disruptions caused by construction may be more obvious and intrusive in the daily life of adjacent residents and businesses. The Project is located in an urban area where traffic levels can be high, especially at peak commuting times. Construction may cause traffic disruptions (e.g., lane closures or detours) impacting traffic flow, on-street parking, bus routes, cycling tracks, and access to driveways or side streets. The Project footprint crosses a number of municipal arterial roads (e.g., St. Laurent Boulevard, Montreal Road, Ogilvie Road, Coventry Road, and Industrial Avenue), and is in proximity to provincial Highway 417 and its interchanges. There is no change in the amount of waste expected to be created by Project construction and the assessment of a temporary increase in wastes is not repeated here. 	<ul style="list-style-type: none"> Temporary traffic disruptions during construction. 	<ul style="list-style-type: none"> Traffic access will be maintained, where possible, during construction. However, lane closures and traffic detours may be required to allow construction equipment and materials passage, or where open-cut construction is planned. Good management and best practices will be implemented during construction to minimize traffic disruption. If required, temporary detour routes will be provided to reduce potential impacts to commuters. Appropriate signage and flag personnel will be used should detours be necessary. Enbridge is encouraged to consult with municipal staff to develop an appropriate traffic management plan to assist with maintaining traffic flow. Consultation with local transit providers and Emergency Medical Services may also be required if temporary detours and/or bus stop relocations are deemed necessary. A common parking area should be established for construction crews to reduce traffic and better manage parking congestion. The Contractor should be encouraged to transport construction staff to the site from a central collection point via bus or other method to reduce the potential for parking issues and traffic congestion. Enbridge will respond to any construction complaints promptly. Vehicle traffic will be managed in accordance with Section 3.9: Traffic Control and Protection Plan, Section 18: Road and Railway Crossings, Section 31.4: Pipeline Depth of Cover Survey, Section 8.5: Trenching/Excavating, Section 8.6: Trenching, and Section 8.7: Paving Excavation and Repairs of Enbridge's Construction and Maintenance Manual 2020. An appropriate Traffic Control Plan will be developed and implemented in accordance with Ontario Traffic Manual (OTM) Book 7 – Temporary Conditions. 	<ul style="list-style-type: none"> Following the implementation of mitigation measures, the residual effect is anticipated to be low to moderate magnitude, short-term in duration, and not significant.

Component	Context/Interaction	Potential Effect(s)	Mitigation Measures	Potential Residual Effect(s)
Interests of Indigenous Communities	<ul style="list-style-type: none"> • There is no change to the effects assessment on interests of Indigenous communities, as presented in the ER (Dillon 2020). • Enbridge will continue to engage with Indigenous communities throughout the phases of the Project and will work with Indigenous communities to address issues or concerns, should they arise. 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • N/A
Archaeological and Cultural Heritage Resources	<ul style="list-style-type: none"> • There is no change to the effects assessment on archaeological and cultural heritage resources, as presented in the ER (Dillon 2020). 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • N/A



⊗ Road or Rail Crossing. For major road crossings (parkways, highways, and arterial roads), trenchless construction is the preferred crossing technique. For minor road crossings, open-cut construction techniques may be used. For crossing federally-owned roads (i.e., Sir George-Étienne Cartier Parkway and Aviation Parkway), contact the National Capital Commission for permit and access requirements. For crossing Highway 417 or its interchanges, contact the Ministry of Transportation for permit and access requirements. For all other crossings, contact the City of Ottawa. Enbridge will develop a Traffic Management Plan to ensure that traffic is maintained while crossings are conducted. Flag persons will be provided as required. Refer to Section 3.9 and 18 of the Enbridge Construction and Maintenance Manual 2020.

⊗ Construction Adjacent to School. Work will be conducted where possible during summer months when children are not in school. Construction areas will be fenced off with the appropriate signage to prevent access to the area. An Enbridge crossing guard will be provided to lead children around the work area.

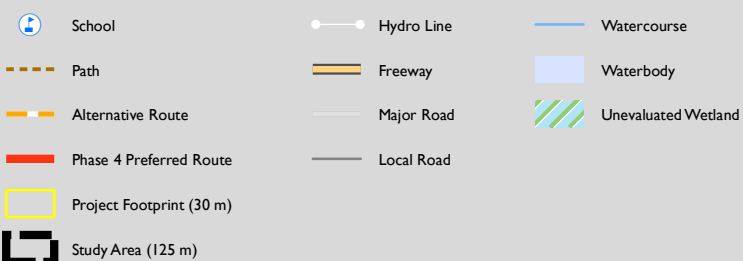
⊗ Crossing of Electric Transmission Corridor Contact Hydro Ottawa for specifications when working in the vicinity of high-voltage transmission lines and ground equipment. No refuelling of equipment will be conducted in this area due to the possibility of stray voltage. Use voltage protection measures for vehicles and equipment working in this area.

⊗ Crossing of Trail or Recreational Feature Alternative routes will be established and appropriate detour signage will be installed at all locations where construction impedes the use of recreational trails.

⊗ Potential Crossing of Watercourse or Wetland Crossing technique (open cut or trenchless) to be determined during construction detailed design process having regard for the engineering technical feasibility of construction and natural features. All watercourses to be crossed shall be prepared and constructed according to permit conditions established by the Rideau Valley Conservation Authority. Refer to Section 12.1.2 and Section 15.0 of the Enbridge Construction and Maintenance Manual, 2020. No vehicle or equipment refuelling within 30 metres of a watercourse or wetland, unless otherwise approved by Enbridge Environment. Clean up of all watercourse and wetland crossings shall be completed to the satisfaction of the conservation authority and Environmental Inspector.

ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

MITIGATION
FIGURE 5
MAP 1 OF 5

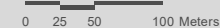


Mitigation Features Present in Current Mapping Extent

Road or Rail Crossing



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N



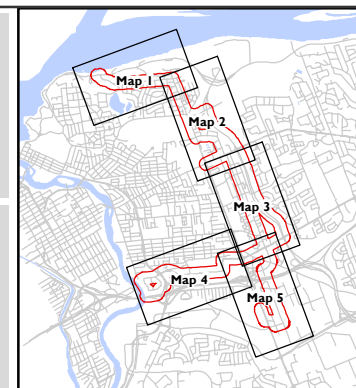
SCALE: 1:5,500

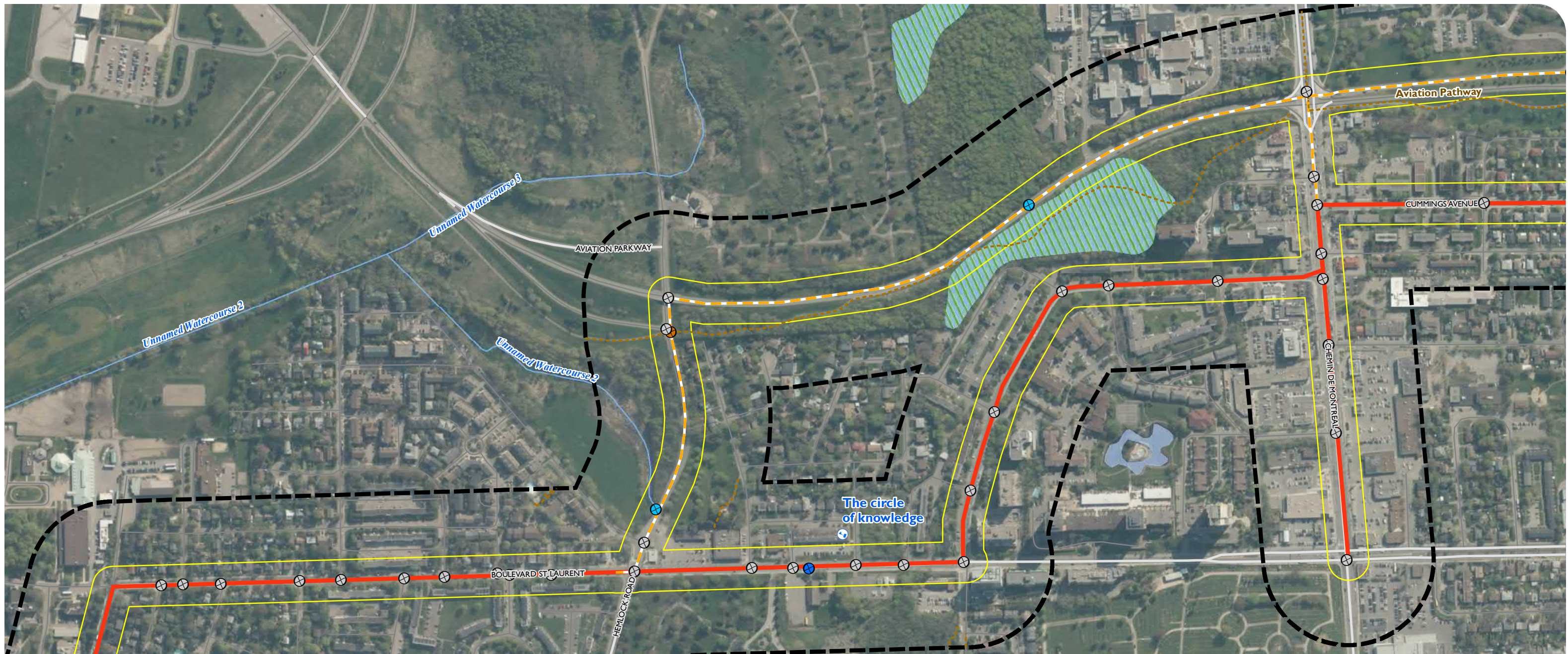


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-13





⊗ Road or Rail Crossing. For major road crossings (parkways, highways, and arterial roads), trenchless construction is the preferred crossing technique. For minor road crossings, open-cut construction techniques may be used. For crossing federally-owned roads (i.e., Sir George-Étienne Cartier Parkway and Aviation Parkway), contact the National Capital Commission for permit and access requirements. For crossing Highway 417 or its interchanges, contact the Ministry of Transportation for permit and access requirements. For all other crossings, contact the City of Ottawa. Enbridge will develop a Traffic Management Plan to ensure that traffic is maintained while crossings are conducted. Flag persons will be provided as required. Refer to Section 3.9 and 18 of the Enbridge Construction and Maintenance Manual 2020.

⊕ Construction Adjacent to School. Work will be conducted where possible during summer months when children are not in school. Construction areas will be fenced off with the appropriate signage to prevent access to the area. An Enbridge crossing guard will be provided to lead children around the work area.

⊗ Crossing of Electric Transmission Corridor Contact Hydro Ottawa for specifications when working in the vicinity of high-voltage transmission lines and ground equipment. No refuelling of equipment will be conducted in this area due to the possibility of stray voltage. Use voltage protection measures for vehicles and equipment working in this area.

⊗ Crossing of Trail or Recreational Feature Alternative routes will be established and appropriate detour signage will be installed at all locations where construction impedes the use of recreational trails.

⊕ Potential Crossing of Watercourse or Wetland Crossing technique (open cut or trenchless) to be determined during construction detailed design process having regard for the engineering technical feasibility of construction and natural features. All watercourses to be crossed shall be prepared and constructed according to permit conditions established by the Rideau Valley Conservation Authority. Refer to Section 12.1.2 and Section 15.0 of the Enbridge Construction and Maintenance Manual, 2020. No vehicle or equipment refuelling within 30 metres of a watercourse or wetland, unless otherwise approved by Enbridge Environment. Clean up of all watercourse and wetland crossings shall be completed to the satisfaction of the conservation authority and Environmental Inspector.

ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

MITIGATION
FIGURE 5
MAP 2 OF 5



- School
- Path
- Alternative Route
- Phase 4 Preferred Route
- Project Footprint (30 m)
- Study Area (125 m)
- Hydro Line
- Freeway
- Major Road
- Local Road
- Watercourse
- Waterbody
- Unevaluated Wetland

Mitigation Features Present in Current Mapping Extent

- Construction Adjacent to School
- Road or Rail Crossing
- Crossing of Trail or Recreational Feature
- Potential Crossing of Watercourse or Wetland



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

0 25 50 100 Meters

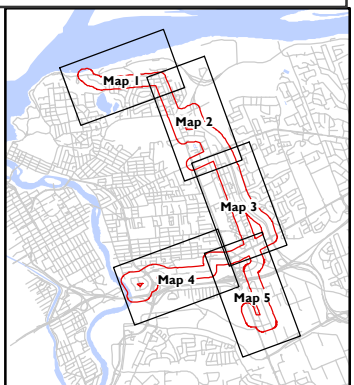
SCALE: 1:5,500

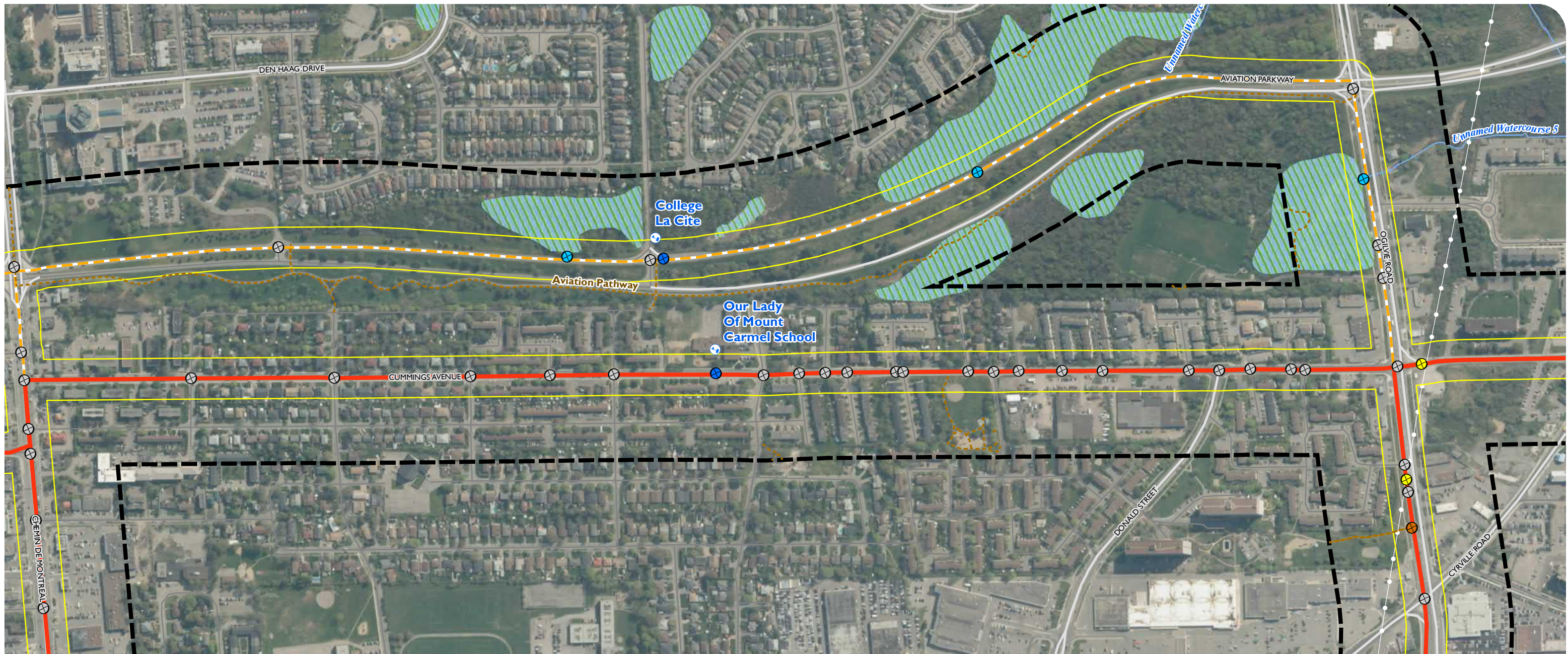


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-13





⊗ Road or Rail Crossing. For major road crossings (parkways, highways, and arterial roads), trenchless construction is the preferred crossing technique. For minor road crossings, open-cut construction techniques may be used. For crossing federally-owned roads (i.e., Sir George-Étienne Cartier Parkway and Aviation Parkway), contact the National Capital Commission for permit and access requirements. For crossing Highway 417 or its interchanges, contact the Ministry of Transportation for permit and access requirements. For all other crossings, contact the City of Ottawa. Enbridge will develop a Traffic Management Plan to ensure that traffic is maintained while crossings are conducted. Flag persons will be provided as required. Refer to Section 3.9 and 18 of the Enbridge Construction and Maintenance Manual 2020.

⊗ Construction Adjacent to School. Work will be conducted where possible during summer months when children are not in school. Construction areas will be fenced off with the appropriate signage to prevent access to the area. An Enbridge crossing guard will be provided to lead children around the work area.

⊗ Crossing of Electric Transmission Corridor Contact Hydro Ottawa for specifications when working in the vicinity of high-voltage transmission lines and ground equipment. No refuelling of equipment will be conducted in this area due to the possibility of stray voltage. Use voltage protection measures for vehicles and equipment working in this area.

⊗ Crossing of Trail or Recreational Feature Alternative routes will be established and appropriate detour signage will be installed at all locations where construction impedes the use of recreational trails.

⊗ Potential Crossing of Watercourse or Wetland Crossing technique (open cut or trenchless) to be determined during construction detailed design process having regard for the engineering technical feasibility of construction and natural features. All watercourses to be crossed shall be prepared and constructed according to permit conditions established by the Rideau Valley Conservation Authority. Refer to Section 12.1.2 and Section 15.0 of the Enbridge Construction and Maintenance Manual, 2020. No vehicle or equipment refuelling within 30 metres of a watercourse or wetland, unless otherwise approved by Enbridge Environment. Clean up of all watercourse and wetland crossings shall be completed to the satisfaction of the conservation authority and Environmental Inspector.

ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

MITIGATION
FIGURE 5
MAP 3 OF 5



- School
- Path
- Alternative Route
- Phase 4 Preferred Route
- Project Footprint (30 m)
- Study Area (125 m)
- Hydro Line
- Freeway
- Major Road
- Local Road
- Watercourse
- Waterbody
- Unevaluated Wetland

Mitigation Features Present in Current Mapping Extent

- Construction Adjacent to School
- Crossing of Electric Transmission Corridor
- Road or Rail Crossing
- Crossing of Trail or Recreational Feature
- Potential Crossing of Watercourse or Wetland



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

0 25 50 100 Meters

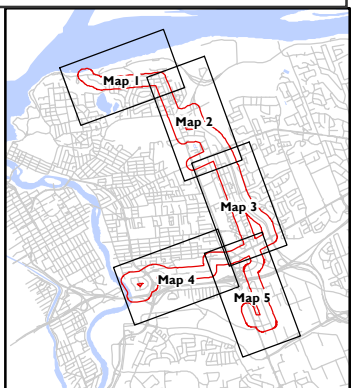
SCALE: 1:5,500

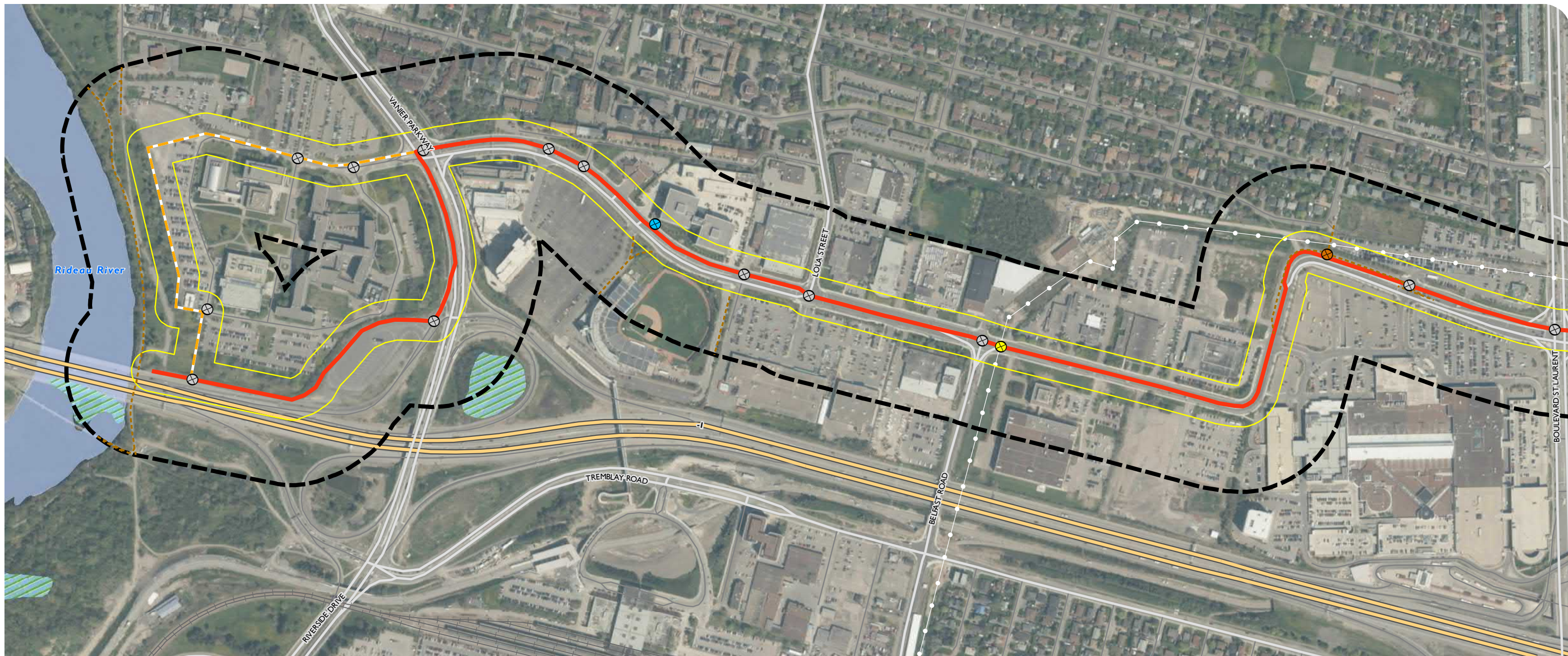


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-13





⊗ Road or Rail Crossing. For major road crossings (parkways, highways, and arterial roads), trenchless construction is the preferred crossing technique. For minor road crossings, open-cut construction techniques may be used. For crossing federally-owned roads (i.e., Sir George-Étienne Cartier Parkway and Aviation Parkway), contact the National Capital Commission for permit and access requirements. For crossing Highway 417 or its interchanges, contact the Ministry of Transportation for permit and access requirements. For all other crossings, contact the City of Ottawa. Enbridge will develop a Traffic Management Plan to ensure that traffic is maintained while crossings are conducted. Flag persons will be provided as required. Refer to Section 3.9 and 18 of the Enbridge Construction and Maintenance Manual 2020.

⊗ Construction Adjacent to School. Work will be conducted where possible during summer months when children are not in school. Construction areas will be fenced off with the appropriate signage to prevent access to the area. An Enbridge crossing guard will be provided to lead children around the work area.

⊗ Crossing of Electric Transmission Corridor Contact Hydro Ottawa for specifications when working in the vicinity of high-voltage transmission lines and ground equipment. No refuelling of equipment will be conducted in this area due to the possibility of stray voltage. Use voltage protection measures for vehicles and equipment working in this area.

⊗ Crossing of Trail or Recreational Feature Alternative routes will be established and appropriate detour signage will be installed at all locations where construction impedes the use of recreational trails.

⊗ Potential Crossing of Watercourse or Wetland Crossing technique (open cut or trenchless) to be determined during construction detailed design process having regard for the engineering technical feasibility of construction and natural features. All watercourses to be crossed shall be prepared and constructed according to permit conditions established by the Rideau Valley Conservation Authority. Refer to Section 12.1.2 and Section 15.0 of the Enbridge Construction and Maintenance Manual, 2020. No vehicle or equipment refuelling within 30 metres of a watercourse or wetland, unless otherwise approved by Enbridge Environment. Clean up of all watercourse and wetland crossings shall be completed to the satisfaction of the conservation authority and Environmental Inspector.

ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

MITIGATION
FIGURE 5
MAP 4 OF 5



- School
- Path
- Alternative Route
- Phase 4 Preferred Route
- Project Footprint (30 m)
- Study Area (125 m)
- Hydro Line
- Freeway
- Major Road
- Local Road
- Watercourse
- Waterbody
- Unevaluated Wetland

Mitigation Features Present in Current Mapping Extent

- Crossing of Electric Transmission Corridor
- Road or Rail Crossing
- Crossing of Trail or Recreational Feature
- Potential Crossing of Watercourse or Wetland



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

0 25 50 100 Meters

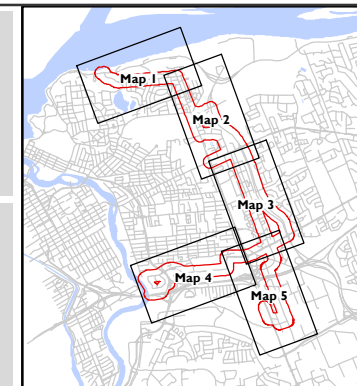
SCALE: 1:5,500

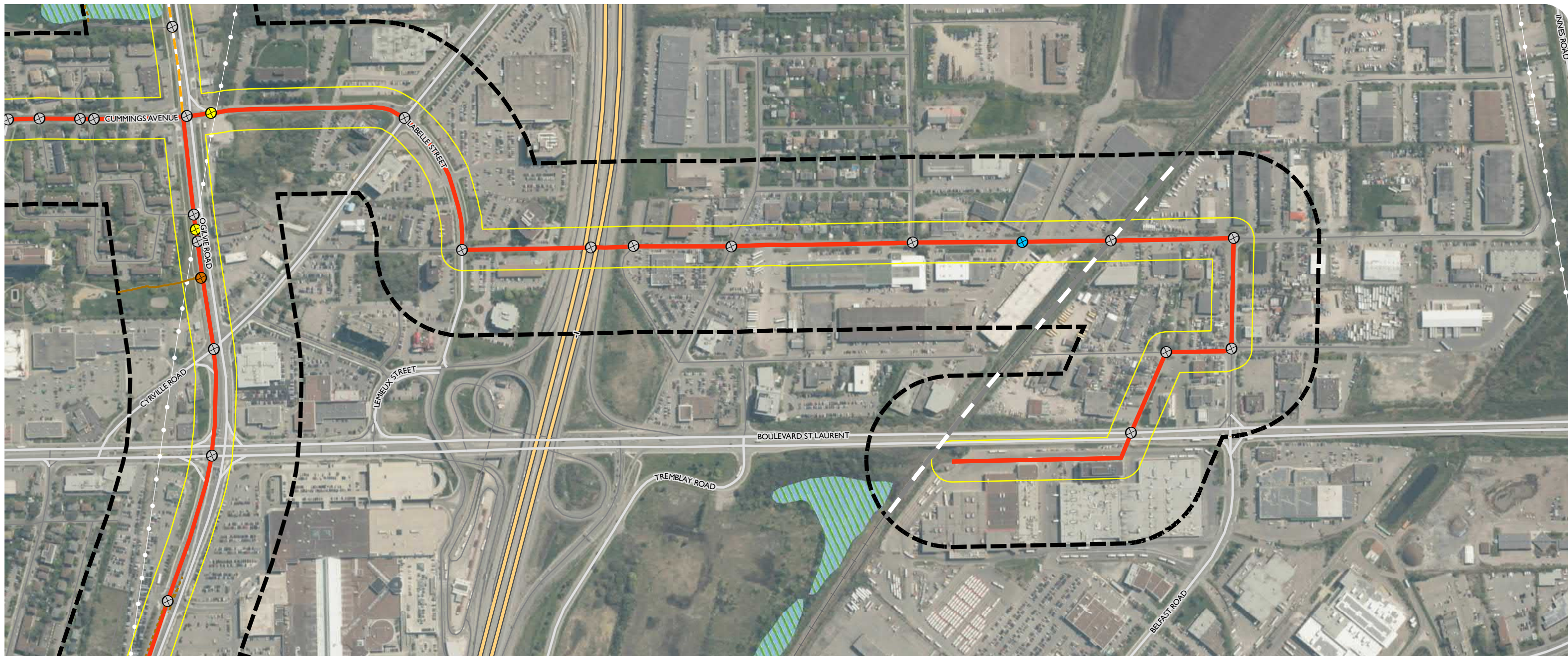


PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-13





⊗ Road or Rail Crossing. For major road crossings (parkways, highways, and arterial roads), trenchless construction is the preferred crossing technique. For minor road crossings, open-cut construction techniques may be used. For crossing federally-owned roads (i.e., Sir George-Étienne Cartier Parkway and Aviation Parkway), contact the National Capital Commission for permit and access requirements. For crossing Highway 417 or its interchanges, contact the Ministry of Transportation for permit and access requirements. For all other crossings, contact the City of Ottawa. Enbridge will develop a Traffic Management Plan to ensure that traffic is maintained while crossings are conducted. Flag persons will be provided as required. Refer to Section 3.9 and 18 of the Enbridge Construction and Maintenance Manual 2020.

⊗ Construction Adjacent to School. Work will be conducted where possible during summer months when children are not in school. Construction areas will be fenced off with the appropriate signage to prevent access to the area. An Enbridge crossing guard will be provided to lead children around the work area.

⊗ Crossing of Electric Transmission Corridor Contact Hydro Ottawa for specifications when working in the vicinity of high-voltage transmission lines and ground equipment. No refuelling of equipment will be conducted in this area due to the possibility of stray voltage. Use voltage protection measures for vehicles and equipment working in this area.

⊗ Crossing of Trail or Recreational Feature Alternative routes will be established and appropriate detour signage will be installed at all locations where construction impedes the use of recreational trails.

⊗ Potential Crossing of Watercourse or Wetland Crossing technique (open cut or trenchless) to be determined during construction detailed design process having regard for the engineering technical feasibility of construction and natural features. All watercourses to be crossed shall be prepared and constructed according to permit conditions established by the Rideau Valley Conservation Authority. Refer to Section 12.1.2 and Section 15.0 of the Enbridge Construction and Maintenance Manual, 2020. No vehicle or equipment refuelling within 30 metres of a watercourse or wetland, unless otherwise approved by Enbridge Environment. Clean up of all watercourse and wetland crossings shall be completed to the satisfaction of the conservation authority and Environmental Inspector.

ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

MITIGATION
FIGURE 5
MAP 5 OF 5



- School
- Path
- Alternative Route
- Phase 4 Preferred Route
- Project Footprint (30 m)
- Study Area (125 m)
- Hydro Line
- Freeway
- Major Road
- Local Road
- Watercourse
- Waterbody
- Unevaluated Wetland

Mitigation Features Present in Current Mapping Extent

- Crossing of Electric Transmission Corridor
- Road or Rail Crossing
- Crossing of Trail or Recreational Feature
- Potential Crossing of Watercourse or Wetland



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, CITY OF OTTAWA
OPEN DATA, ENBRIDGE GAS INC.
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM ZONE 18N

0 25 50 100 Meters

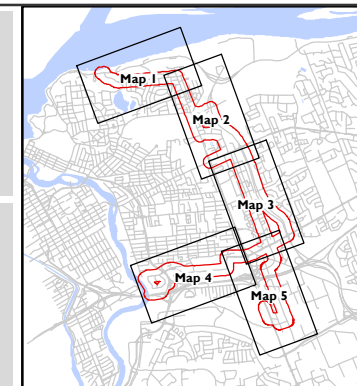
SCALE: 1:5,500



PROJECT: 19-1850

STATUS: DRAFT

DATE: 2020-11-13



Cumulative Effects Assessment

There are no changes to the cumulative effects assessment provided in the ER (Dillon 2020).

The effects assessment for the new Phase 4 Preferred Route identified that the potential residual effects of temporary increased noise and traffic disruptions during Project construction would have a low to moderate magnitude (rather than low magnitude); however, this results in the same characterization of cumulative effects that was provided in the ER (Dillon 2020).

8.0

Accidents and Malfunctions

This section has been updated to revise the assessment of “Pipeline Failure during Operations” to consider a worst-case gas leak scenario, in response to comments from ECCC on the ER (Dillon 2020). There are no changes to the assessment of “Equipment or Machinery Leaks or Other Spills” provided in the ER (Dillon 2020). This section has also been updated with greater detail on Enbridge’s emergency response procedures and preparedness.

8.1

Emergency Response and Preparedness

Enbridge’s Emergency Response Plan (ERP) is a comprehensive document that is supported by the Enbridge Crisis Management Plan (CMP), the Business Continuity Programs, and the Public Health Emergency Plan. All plans are part of the comprehensive Emergency Management Program which is in alignment with the requirements of CSA Z246.2, Emergency Preparedness and Response for Petroleum and Natural Gas Industry Systems.

The Enbridge ERP operates in conjunction with the Enbridge CMP, which defines the structure, whereas the ERP defines the emergency response organization. Enbridge’s emergency response is structured using the Incident Command System. This process ensures that responses to Enbridge incidents and emergencies are guided by the roles and responsibilities identified in the ERP.

The ERP is provided annually to the Canada Energy Regulator (CER) as part of the CER Compliance Audit Program and audited internally once every three years. The ERP is validated through training exercises that include tabletop exercises and drills, as well as functional and full-scale simulations. These exercises practice the skills and protocols of emergency response, familiarize personnel with the roles and responsibilities, and allow for the development of working relationships with other emergency response organizations. The ERP also outlines a number of potential emergency scenarios and applicable responses.

Enbridge and Ottawa Emergency Services are engaged routinely on emergency response activities. In addition, Enbridge construction routinely engages the City’s Engineering Department regarding new and replacement pipeline activity as well as the City’s projects to replace sewer/water main and street restoration projects.

Approximately every 4-5 years, Enbridge Emergency Programs along with Enbridge Eastern Region conduct emergency exercises, in which Ottawa Emergency services participate (Fire, Police and Ambulance). These exercises include a presentation and demonstration of Enbridge’s emergency response organization structure and response protocols. Enbridge is also currently assisting Ottawa Fire Services in the update of their Standard Operating Guideline regarding response to natural gas emergencies.

8.2 Pipeline Failure during Operations

Pipelines can be damaged by natural events or vandalism, however, more often they are damaged by regular work activities conducted by third parties (e.g., road or utility work). It is a requirement that contractors obtain utility locates prior to any ground disturbance by contacting Ontario One Call in order to decrease the possibility of accidentally damaging adjacent infrastructure.

Enbridge takes steps to ensure the safe and reliable operation of their natural gas pipelines, including continuously monitoring the entire network and performing regular field surveys to detect leaks and confirm corrosion prevention methods are working as intended. If a natural gas release is detected or reported, Enbridge promptly responds by dispatching a trained response team and isolates and repairs the leak or damage. Vandalism to the Project and response measures are considered in Enbridge's internal protocols.

In the ER (Dillon 2020), a minor gas leak scenario was assessed and is not repeated here. This section considers the effects of worst-case gas leak scenario.

During a worst-case scenario, highly pressurized gas would be released and rapidly volatilize and ascend into the air. The rupture of a pipeline has the potential to cause injury to individuals in the vicinity of the rupture, or cause human health effects from exposure to natural gas. If the gas is somehow trapped or allowed to collect in a low-lying area, mixes with the air to a flammable ratio and is then introduced to an ignition source, the gas could ignite causing an explosion potentially resulting in a localized fire.

8.2.1 Effects Assessment and Significance

Depending on the location and scale of the natural gas leak, there could be adverse effects on fish and fish habitat, vegetation and wetlands, wildlife and wildlife habitat, human health or well-being, property and livelihoods, and infrastructure and services (e.g., traffic, emergency response).

The assessment of a worst-case gas leak scenario is provided in Table 5. Preventative and mitigation measures are outlined in Enbridge's Construction and Maintenance Manual and ERP, which, for security reasons, are controlled internal documents that are not distributed publicly.

The policies and procedures in Enbridge's Construction and Maintenance Manual are designed to ensure safe installation and operation of natural gas facilities and to minimize the impact of Enbridge's operations on the environment. The procedures are a critical component for a healthy and safe work environment. The nature of the emergency response measures outlined in the document depend on the type of work being conducted, and cannot be thoroughly summarized here.

Table 5: Assessment of Effects of a Worst-Case Scenario Pipeline Failure during Operations

Potential Effect(s)	Project Activity	Spatial Boundary	Mitigation Measures	Potential Residual Effect(s), Characterization, and Significance
Adverse effects on fish and fish habitat if a leak occurs near a fish-bearing waterbody	Operations	Study Area and beyond	<ul style="list-style-type: none"> Implement applicable sections of Enbridge's internal protocols for safety, pre-emergency preparedness and emergency response. 	The duration of the residual effect may be medium-term and the magnitude may be medium to high. The potential residual effects have a low probability of occurrence and are reversible with the implementation of remedial measures. Therefore, residual effects on fish and fish habitat are not likely to be significant.
Adverse effects on vegetation and/or wetlands	Operations	Study Area and beyond	<ul style="list-style-type: none"> Implement applicable sections of Enbridge's internal protocols for safety, pre-emergency preparedness and emergency response. 	The duration of the residual effect may be short to medium-term and the magnitude may be medium to high. The potential residual effects have a low probability of occurrence and are reversible with the implementation of remedial measures. Therefore, residual effects on vegetation and wetlands are not likely to be significant.
Adverse effects on wildlife and wildlife habitat	Operations	Study Area and beyond	<ul style="list-style-type: none"> Implement applicable sections of Enbridge's internal protocols for safety, pre-emergency preparedness and emergency response. 	The duration of the residual effect may be medium-term and the magnitude may be medium to high. The potential residual effects have a low probability of occurrence and are reversible with the implementation of remedial measures. Therefore, residual effects on wildlife and wildlife habitat are not likely to be significant.
Adverse effects on human health or well-being	Operations	Study Area and beyond	<ul style="list-style-type: none"> Implement applicable sections of Enbridge's internal protocols for safety, pre-emergency preparedness and emergency response. 	The duration of the residual effect may be immediate to extended-term and the magnitude may be low to high. The potential residual effects have a low probability of occurrence, however, they may be irreversible (in the case of a human fatality). Therefore, residual effects on human health or well-being are not likely to be significant; however, the risk is higher due to the potential for irreversible effects, particularly in the context of the urban Project setting and relative population density.

Potential Effect(s)	Project Activity	Spatial Boundary	Mitigation Measures	Potential Residual Effect(s), Characterization, and Significance
Adverse effects on property or livelihoods	Operations	Study Area and beyond	<ul style="list-style-type: none"> Implement applicable sections of Enbridge's internal protocols for safety, pre-emergency preparedness and emergency response. 	The duration of the residual effect may be short to medium-term and the magnitude may be low to high. The potential residual effects have a low probability of occurrence and are reversible with the implementation of remedial measures. Therefore, residual effects on property or livelihoods are not likely to be significant.
Adverse effects on infrastructure and services	Operations	Study Area and beyond	<ul style="list-style-type: none"> Implement applicable sections of Enbridge's internal protocols for safety, pre-emergency preparedness and emergency response. 	The duration of the residual effect may be immediate to short-term and the magnitude may be low. The potential residual effects have a low probability of occurrence and are reversible with the implementation of remedial measures. Therefore, residual effects on infrastructure and services are not likely to be significant.

8.2.2 Summary

The likelihood of significant residual effects is considered low with the implementation of appropriate preventative and mitigation measures. As noted in Table 5, no significant residual effects from a worst-case scenario pipeline failure are predicted for the Project.

9.0

Effects of the Environment on the Project

There are no changes to the assessment of effects of the environment on the Project provided in the ER (Dillon 2020) in relation to the new Phase 4 Preferred Route.

10.0

Inspection and Monitoring Recommendations

There are no changes to the inspections and monitoring recommendations provided in the ER (Dillon 2020) in relation to the new Phase 4 Preferred Route.

11.0 Summary and Conclusions

There are no changes to the conclusions provided in the ER (Dillon 2020) in relation to the new Phase 4 Preferred Route.

Dillon does not anticipate any significant adverse effects from the construction and operation of the Project with the implementation of the mitigation measures recommended in the ER (Dillon 2020) and this ER Amendment.

References

Dillon Consulting Limited (Dillon). 2020. Enbridge Gas Inc. St. Laurent Ottawa North Replacement Pipeline Project – Environmental Report. June 2020.

Ontario Energy Board (OEB). 2016. Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition. 70 pp.

Appendix A

Notice of Project Change



October 19, 2020

Via Electronic Mail Only

Notice of Project Change for the Enbridge Gas Inc. St. Laurent Ottawa North Replacement Pipeline Project in the City of Ottawa, Ontario

Enbridge Gas Inc. (Enbridge Gas) retained Dillon Consulting Limited (Dillon) to undertake a route selection and environmental and socio-economic impact study and report (Environmental Report) for the proposed St. Laurent Ottawa North Replacement Pipeline Project (the Project). The study was conducted between November 2019 and July 2020. The Environmental Report was completed according to the Ontario Energy Board (OEB) Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016).

On July 21, 2020, the Environmental Report was posted to the Enbridge Gas project website and was submitted to the Ontario Pipeline Coordinating Committee (OPCC) for review. The 42-day OPCC review period ended on September 1, 2020. Enbridge Gas has not yet filed a Leave-to-Construct (LTC) application with the OEB, as they have recently identified a new preferred route for Phase 4 of the pipeline through ongoing stakeholder and community engagement and engineering studies. There are no proposed changes to Phase 3 of the Project.

Dillon is preparing an Environmental Report Amendment in consideration of Enbridge Gas' proposed changes to the Phase 4 preferred route for the Project. The new Phase 4 preferred route is a hybrid of the existing preferred route and one of the alternative routes identified in the Environmental Report and is shown on the attached figure. The figure depicts the new Phase 4 preferred route and a potential alternative route; however, Phase 3 is not depicted, since there are no changes to the Phase 3 routing as presented in the Environmental Report.

The objective of the Environmental Report Amendment is to determine if there are any potential environmental or socio-economic impacts as a result of the new preferred route that were not captured in the assessment already completed in the Environmental Report.

The Environmental Report Amendment will be circulated to the Project contact list, including the OPCC, for a 30-day comment period prior to being filed with the OEB. The OEB's review and approval is required before the Project can proceed. If approved, construction of Phase 4 of the Project is currently anticipated to begin in 2022.

177 Colonnade Road
Suite 101
Ottawa, Ontario
Canada
K2E 7J4
Telephone
613.745.2213
Fax
613.745.3491



Stakeholder engagement and Indigenous consultation continue to be key components of the Project. We are interested in hearing from you regarding issues/concerns that you may have in relation to the proposed changes to this Project. Please provide feedback to the Project email at StLaurentNorthEA@dillon.ca or by contacting one of the individuals listed below by November 19, 2020.

Tanya Turk
Environmental Advisor
Enbridge Gas Inc.
101 Honda Boulevard,
Markham, ON L6C 0M6
(416) 495-3103
Tanya.Turk@enbridge.com

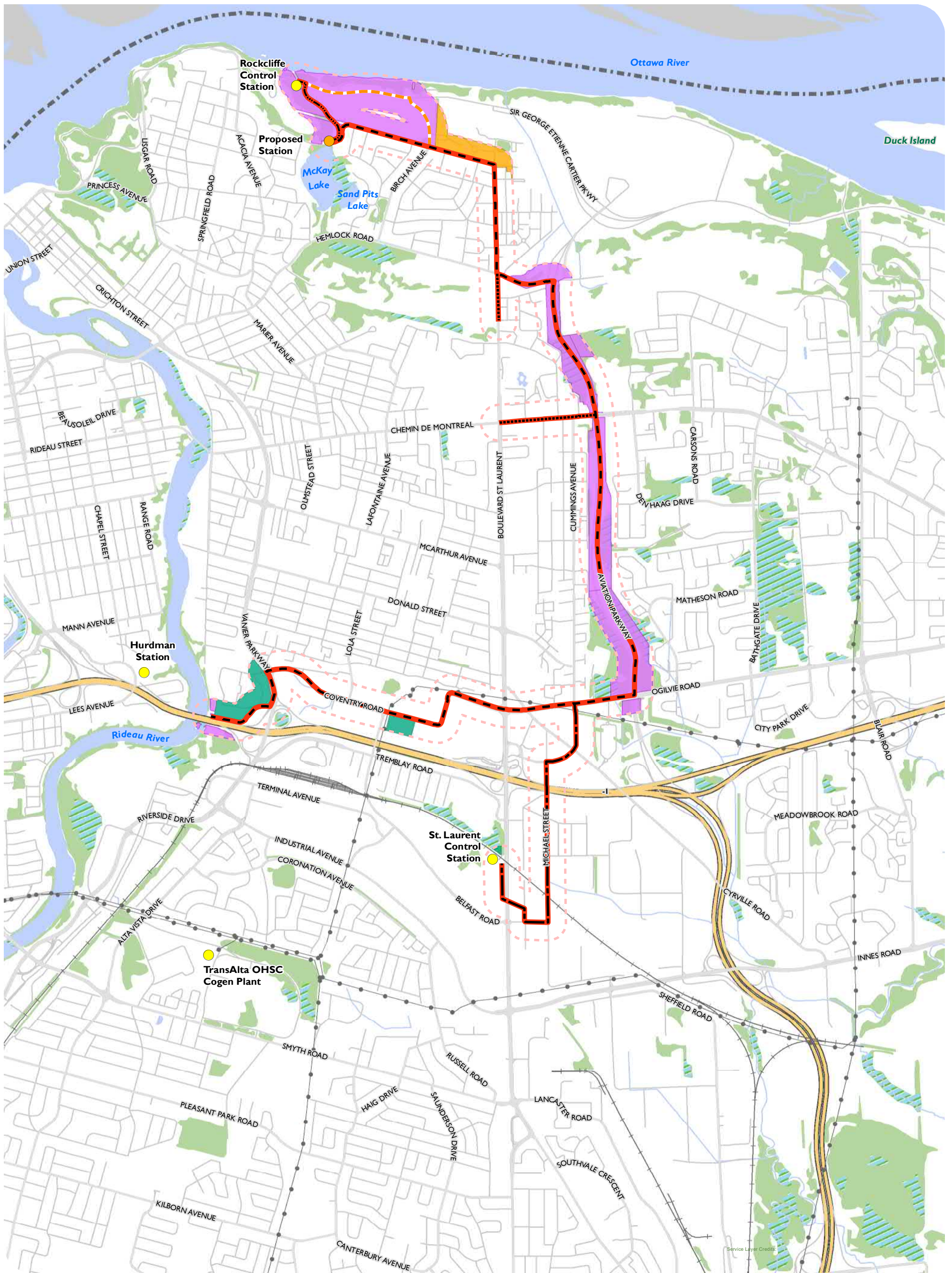
Tristan Lefler
Environmental Assessment Project Manager
Dillon Consulting Limited
51 Breithaupt Street, Suite 200
Kitchener, ON N2H 5G5
(519) 588-1930
StLaurentNorthEA@dillon.ca

Sincerely,

DILLON CONSULTING LIMITED

Tristan Lefler, M.Sc.

Attachment: New Phase 4 Preferred Route and Alternative Route



ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

**NEW PHASE 4 PREFERRED
ROUTE AND ALTERNATIVE
ROUTE**



- Existing Station
- Proposed Station
- Phase 4 Preferred Route
- Alternative Route
- Study Area (125 m)

- Gas Line Types**
- NPS 12 HP Gas Main
 - NPS 6 XHP Gas Main
 - NPS 12 XHP Gas Main
 - NPS 16 XHP Gas Main

- Federal Land Ownership (DFRP)**
- National Capital Commission
 - Public Services and Procurement Canada
 - Royal Canadian Mounted Police

- Base Data**
- Freeway
 - Major Road
 - Local Road
 - Railway
 - Hydro Line
 - Watercourse

- Waterbody
- Provincial Boundary
- Unevaluated Wetland
- Wooded Area



MAP DRAWING INFORMATION:
DATA PROVIDED BY: MNRF,
ENBRIDGE GAS INC., DFRP
MAP CREATED BY: LK, GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM Zone 18N

SCALE 1:25,000



PROJECT: 19-1850 STATUS: DRAFT DATE: 2020-10-16

Appendix B

Updated Notice of Project Change



November 18, 2020

Via Electronic Mail Only

UPDATED Notice of Project Change for the Enbridge Gas Inc. St. Laurent Ottawa North Replacement Pipeline Project in the City of Ottawa, Ontario

Enbridge Gas Inc. (Enbridge Gas) retained Dillon Consulting Limited (Dillon) to undertake a route selection and environmental and socio-economic impact study and report (Environmental Report) for the proposed St. Laurent Ottawa North Replacement Pipeline Project (the Project). The Environmental Report was completed in late June 2020 according to the Ontario Energy Board (OEB) Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016).

On July 21, 2020, the Environmental Report (June 2020) was posted to the Enbridge Gas project website and was submitted to the Ontario Pipeline Coordinating Committee (OPCC) for review. The 42-day OPCC review period ended on September 1, 2020.

On October 19 and 20, 2020, Enbridge Gas distributed a Notice of Project Change to the Project contact list for a new preferred route for Phase 4 of the pipeline, which was a hybrid of the existing preferred route and one of the alternative routes identified in the Environmental Report (June 2020).

Over the past month, through continued consultation with key stakeholders, Enbridge Gas has revised the new preferred route described in the October Notice of Project Change to follow one of the alternative routes identified in the Environmental Report (June 2020). Note, there are no proposed changes to Phase 3 of the Project. Enbridge Gas has not yet filed a Leave-to-Construct (LTC) application with the OEB.

Dillon has prepared an Environmental Report Amendment in consideration of Enbridge Gas' proposed changes to the preferred route in Phase 4 of the Project. The new preferred route follows one of the alternative routes presented in the Environmental Report (June 2020) and is shown on the attached figure. Phase 3 is not depicted, since there are no changes to Phase 3 routing as presented in the Environmental Report (June 2020).

The objective of the Environmental Report Amendment is to determine if there are any potential environmental or socio-economic impacts as a result of the change in the preferred route that were not captured in the assessment already completed in the Environmental Report (June 2020).

177 Colonnade Road
Suite 101
Ottawa, Ontario
Canada
K2E 7J4
Telephone
613.745.2213
Fax
613.745.3491



The Environmental Report (June 2020) and the Environmental Report Amendment are available for review on the Enbridge Gas Project website at <https://www.enbridgegas.com/about-us>. Click on the "Projects" tab and select "St. Laurent Ottawa North Pipeline Project".

Following a review period, the Environmental Report (June 2020) and Environmental Report Amendment will be submitted as part of the LTC application to the OEB. The OEB's review and approval is required before the Project can proceed. If approved, construction of Phase 3 of the Project is anticipated to begin in 2021 and construction of Phase 4 of the Project is anticipated to begin in 2022.

Stakeholder engagement and Indigenous consultation continue to be key components of the Project. We are interested in hearing from you regarding issues/concerns that you may have in relation to the proposed changes to this Project. Please provide feedback to the Project email at StLaurentNorthEA@dillon.ca or by contacting one of the individuals listed below by December 17, 2020.

Tanya Turk
Environmental Advisor
Enbridge Gas Inc.
101 Honda Boulevard,
Markham, ON L6C 0M6
(416) 495-3103
Tanya.Turk@enbridge.com

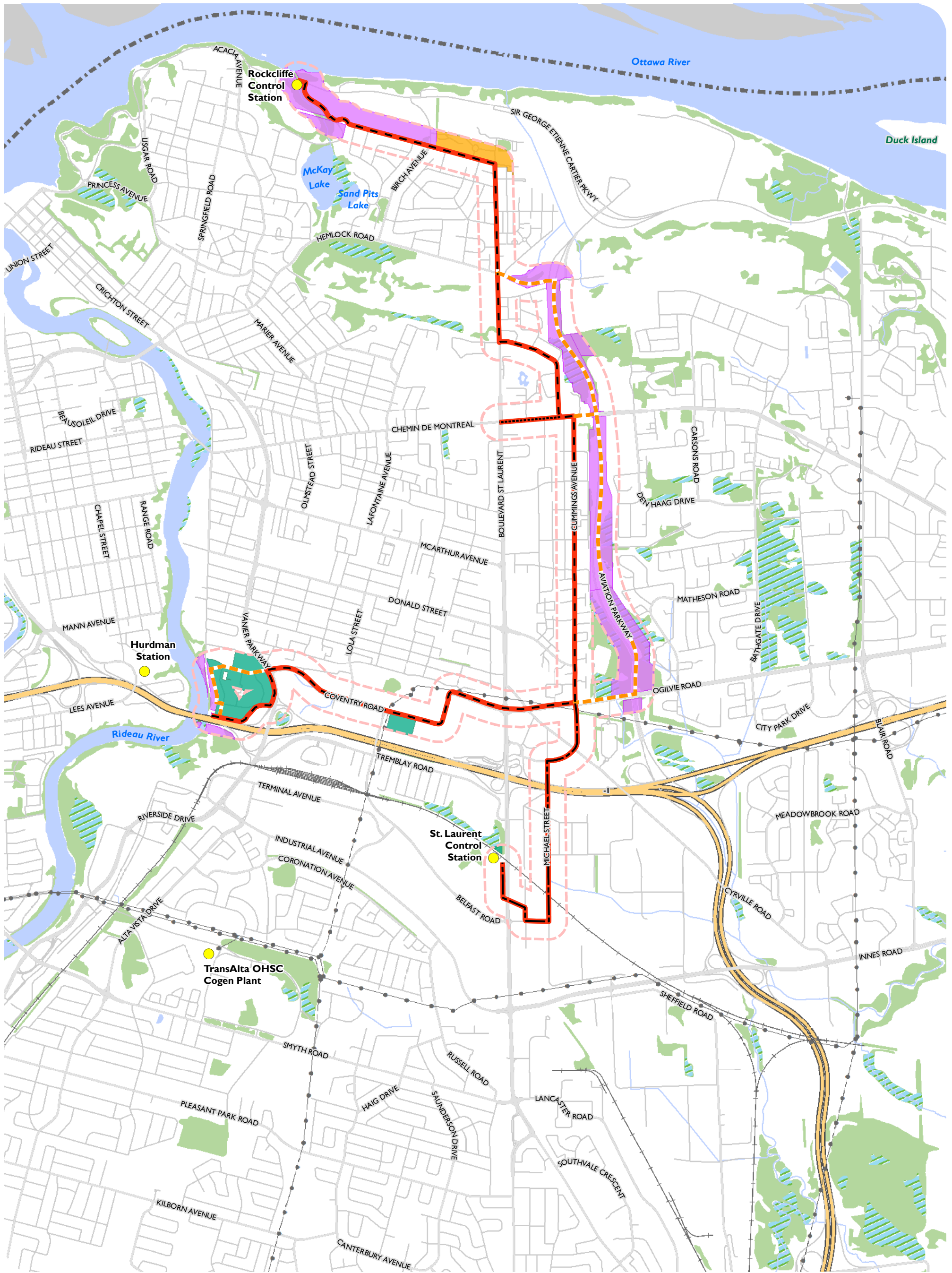
Tristan Lefler
Environmental Assessment Project Manager
Dillon Consulting Limited
51 Breithaupt Street, Suite 200
Kitchener, ON N2H 5G5
(519) 588-1930
StLaurentNorthEA@dillon.ca

Sincerely,

DILLON CONSULTING LIMITED

Tristan Lefler, M.Sc.

Attachment: Figure 1: New Phase 4 Preferred Route



ENBRIDGE GAS INC.
ST. LAURENT OTTAWA NORTH
REPLACEMENT PIPELINE PROJECT

**NEW PHASE 4
PREFERRED ROUTE**
FIGURE I



Existing Station

Alternative Route
Phase 4 Preferred Route

Gas Line Types

NPS 6 XHP Gas Main
NPS 12 XHP Gas Main
NPS 16 XHP Gas Main

Federal Land Ownership (DFRP)

National Capital Commission
Public Services and Procurement Canada
Royal Canadian Mounted Police

Base Data

Freeway
Major Road
Local Road
Railway
Hydro Line

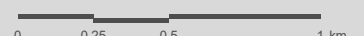
Watercourse

Waterbody
Provincial Boundary
Unevaluated Wetland
Wooded Area



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF,
ENBRIDGE GAS INC., DFRP
MAP CREATED BY: GAM
MAP CHECKED BY: AL
MAP PROJECTION: NAD 1983 UTM Zone 18N

SCALE 1:25,000



PROJECT: 19-1850 STATUS: DRAFT DATE: 2020-11-11

Appendix C

Updated Project Contact List

Surname	First Name	Organization	Department	Title/Role	Address	City/Town, Province	Postal Code	Telephone	E-Mail
Indigenous Communities									
Benedict	Abram	Mohawks of Akwesasne	--	Grand Chief	PO Box 579	Cornwall, ON	K6H 5T3	--	abram.benedict@akwesasne.ca
Stavinga	Janet	Algonquins of Ontario	Consultation Office	Executive Director	31 Riverside Drive, Suite 101	Pembroke, ON	K8A 8R6	613-735-3759	jstavinga@tanakiwin.com
Cronier	Sarah	Algonquins of Ontario	Consultation Office	Cultural Heritage Program Coordinator	31 Riverside Drive, Suite 101	Pembroke, ON	K8A 8R6	--	scronier@tanakiwin.com
Federal and Provincial Elected Officials									
Fortier	Mona	Government of Canada	Ottawa - Vanier	Member of Parliament	233 Montreal Road	Vanier, ON	K1L 6C7	613-998-1860	Mona.Fortier@parl.gc.ca
McGuinty	David J.	Government of Canada	Ottawa South	Member of Parliament	1183 Bank St. Unit A	Ottawa, ON	K1V 7Z9	613-990-8640	david.mcguinty@parl.gc.ca
Collard	Lucille	Government of Ontario	Ottawa - Vanier	Member of Provincial Parliament	237 Montreal Rd	Vanier, ON	K1L 6C7	613-744-4484	lcollard.mpp.co@liberal.ola.org
Fraser	John	Government of Ontario	Ottawa South	Member of Provincial Parliament	1828 Bank St.	Ottawa, ON	K1V 7Y6	613-736-9573	Jfraser.mpp.co@liberal.ola.org
Federal Agencies									
Leticq	Lina	Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)	Environment Section, Lands and Economic Development Branch - Ontario Region	Regional Environment Manager	655 Bay Street, Suite 700, 8th Floor	Toronto, ON	M5G 2K4	416-973-6208	lina.leticq@canada.ca
Plant	Wesley	Environment and Climate Change Canada	Environmental Assessment Section, Environmental Protection Branch - Ontario Region	Manager	--	--	--	416-739-4272	wesley.plant@canada.ca
Fell	Denise	Environment and Climate Change Canada	Environmental Assessment Section, Environmental Protection Branch - Ontario Region	Senior Environmental Assessment Officer	--	--	--	905-336-4951	denise.fell@canada.ca
Narine	Vikash	Environment and Climate Change Canada	Environmental Assessment Section, Environmental Protection Branch - Ontario Region	Environmental Assessment Officer	--	--	--	416-739-4113	vikash.narine@canada.ca
Glancy	Natalie	National Capital Commission	--	Environmental Officer	202-40 Elgin Street	Ottawa, ON	K1P 1C7	613-239-5678 ext 5659	natalie.glancy@ncc-ccn.ca
Meek	Christopher	National Capital Commission	--	Senior Land Use Planner	--	--	--	613-239-5678 ext 5332	christopher.meek@ncc-ccn.ca
Chow	Anna	Royal Canadian Mounted Police	Strategic Investment and Project Management, NHQ Assets Management	Manager, Project Planning & Operations	M J Nadon Building, 73 Leikin Dr. Mailbox #1	Ottawa, ON	K1A 0R2	613-843-5881	Anna.Chow@rcmp-grc.gc.ca
Bütter	Tina	Royal Canadian Mounted Police	Real Property Management Branch	Environmental Specialist	73 Leikin Drive	Ottawa, ON	--	613-843-5958	Tina.Butter@rcmp-grc.gc.ca
Pisani	John	Royal Canadian Mounted Police	--	--	--	Ottawa, ON	--	--	John.Pisani@rcmp-grc.gc.ca
Newcombe	Michael	Royal Canadian Mounted Police	--	--	--	Ottawa, ON	--	--	Michael.Newcombe@rcmp-grc.gc.ca
Bradley	Sonya	Royal Canadian Mounted Police	--	--	--	Ottawa, ON	--	--	Sonya.Bradley@rcmp-grc.gc.ca
Vendette	Mike	Public Services and Procurement Canada	--	--	--	Ottawa, ON	--	--	Mike.Vendette@tpsgc-pwgsc.gc.ca
Provincial Agencies									
Dorfman	Roman	Hydro One Networks Inc.	--	--	--	--	--	--	Roman.Dorfman@HydroOne.com
King-Costa	Daniel	Hydro One Networks Inc.	--	--	--	--	--	--	Daniel.King-Costa@HydroOne.com
--	--	Hydro One Networks Inc.	Secondary Land Use	--	--	--	--	--	SecondaryLandUse@hydroone.com
Big-Canoe	David	Ministry of Indigenous Affairs	Indigenous Affairs	Stakeholder and Partner Relations Advisor	160 Bloor Street East - Suite 400	Toronto, ON	M7A 2E6	647-271-4764	david.big-canoe@ontario.ca

Surname	First Name	Organization	Department	Title/Role	Address	City/Town, Province	Postal Code	Telephone	E-Mail
O'Neill	John	Ministry of Agriculture, Food and Rural Affairs	Eastern and Northeastern Region - Environmental Land Use Policy	Rural Planner	1st floor, 59 Ministry Rd., Box 2004, ORC Building	Kemptville, ON	K0G 1J0	613-258-8341	john.o'neill@ontario.ca
Barboza	Karla	Ministry of Heritage, Sport, Tourism and Culture Industries	Heritage Planning Unit, Programs and Services Branch	Team Lead, Heritage	401 Bay Street, Suite 1700	Toronto, ON	M7A 0A7	416-314-7120	karla.barboza@ontario.ca
Bloye	Paul	Ministry of Education	Capital and Business Support Division, Capital Program Branch	Director	15th Flr, 315 Front St W	Toronto, ON	M7A 0B8	416-325-8589	paul.bloye@ontario.ca
Helfinger	Michael	Ministry of Economic Development and Growth	Cabinet Office Liaison Unit, Policy Coordination Branch	Senior Policy Advisor	900 Bay Street, 7th Floor, Hearst Block	Toronto, ON	M7A 2E1	416-325-6519	michael.helfinger@ontario.ca
Myslicki	Lisa	Infrastructure Ontario	Realty Portfolio Planning and Environmental Services	Environmental Specialist	1 Dundas St. W., Suite 2000	Toronto, ON	M5G 1Z3	416-557-3116	lisa.myslicki@infrastructureontario.ca
Kallideen	Raquel	Infrastructure Ontario	Environmental Management	Environmental Management Co-Op	--	--	--	647-264-2745	Raquel.Kallideen@infrastructureontario.ca
Elms	Michael	Ministry of Municipal Affairs and Housing	Eastern Municipal Services Office	Manager, Community Planning/Development	8 Estate Lane, Rockwood House	Kingston, ON	K7M 9A8	613-545-2132	michael.elms@ontario.ca
Lee	Scott	Ministry of Natural Resources and Forestry	--	--	--	--	--	--	Scott.Lee@ontario.ca
Gitkow	Alexandre	Ministry of Transportation	Kingston Area Office	Corridor Management Officer	--	--	--	613-544-2220 ext 4126	Alexandre.Gitkow@ontario.ca
Nadeau	Alain	Ministry of Transportation	Ottawa Area Office	Corridor Management Officer	--	--	--	613-742-5322	Alain.Nadeau@ontario.ca
Tolles	Cheryl	Ministry of Transportation	--	Corridor Management Senior Project Manager	--	--	--	--	Cheryl.Tolles@ontario.ca
Paul	Sarah	Ministry of Environment, Conservation and Parks	Environmental Assessment and Permissions Division	Assistant Deputy Minister	135 St. Clair Avenue West, 14th Floor	Toronto, ON	M4V 1P5	416-314-9530	sarah.paul@ontario.ca
Cross	Annamaria	Ministry of Environment, Conservation and Parks	Environmental Assessment and Permissions Branch	Director, Environmental Assessment	135 St. Clair Avenue West, 1st Floor	Toronto, ON	M4V 1P5	416-314-7967	annamaria.cross@ontario.ca
McDonald	Glen	Rideau Valley Conservation Authority	Science and Planning	Director	3889 Rideau Valley Drive	Manotick, ON	K4M 1A5	613-692-3571 ext 1133	glen.mcdonald@rvca.ca
Stimson	Hal	Rideau Valley Conservation Authority	--	Inspector	--	--	--	613-692-3571 ext 1127	hal.stimson@rvca.ca
Ontario Pipeline Coordinating Committee									
Crnojacki	Zora	Ontario Pipeline Coordinating Committee	Ontario Energy Board	OPCC Chair	P.O. Box 2319, 2300 Yonge St., 26th Floor	Toronto, ON	M4P 1E4	416-440-8104	Zora.Crnojacki@oeb.ca
Hatcher	Laura	Ontario Pipeline Coordinating Committee	Ministry of Heritage, Sport, Tourism and Culture Industries	Team Lead, Heritage	401 Bay Street	Toronto, ON	M7A 0A7	416-314-3108	Laura.e.hatcher@ontario.ca
Manouchehri	Kourosh	Ontario Pipeline Coordinating Committee	Technical Standards and Safety Authority	Engineer	345 Carlingview Drive	Toronto, ON	M9W 6N9	416-734-3539	kmanouchehri@tssa.org
Elms	Michael	Ontario Pipeline Coordinating Committee	Ministry of Municipal Affairs and Housing, Eastern Municipal Services Office	Manager, Community Planning/Development	Rockwood House, 8 Estate Lane	Kingston, ON	K7M 9A8	613-545-2132	michael.elms@ontario.ca
Orwin	Ruth	Ontario Pipeline Coordinating Committee	Ministry of Environment, Conservation and Parks (Eastern Region)	Supervisor, APEP	P.O. Box 820, 133 Dalton Avenue	Kingston, ON	K7L 4X6	613-549-4000	ruth.orwin@ontario.ca
McCabe	Shannon	Ontario Pipeline Coordinating Committee	Ministry of Energy, Northern Development and Mines	Senior Advisor, Indigenous Energy Unit	6th Floor, 77 Grenville Street	Toronto, ON	M7A 2C1	416-212-6704	Shannon.McCabe@ontario.ca
Churchyard	Arthur	Ontario Pipeline Coordinating Committee	Ministry of Agriculture, Food and Rural Affairs	Land Use Policy & Stewardship, Policy Advisor	3rd Floor S, 1 Stone Road	Guelph, ON	N1G 4Y2	226-962-2838	arthur.churchyard@ontario.ca

Surname	First Name	Organization	Department	Title/Role	Address	City/Town, Province	Postal Code	Telephone	E-Mail
Difabio	Tony	Ontario Pipeline Coordinating Committee	Ministry of Transportation (Highway Corridor Management)	Team Lead	Garden City Tower, 2nd Floor, 301 St. Paul Street	St. Catharines, ON	L2R 7R4	905-704-2656	Tony.difabio@ontario.ca
Renwick	Sally	Ontario Pipeline Coordinating Committee	Ministry of Natural Resources and Forestry	Team Lead, Environmental Planning Section	300 Water Street	Peterborough, ON	K9J 8M5	705-755-5195	sally.renwick@ontario.ca
Grace	Patrick	Ontario Pipeline Coordinating Committee	Infrastructure Ontario (Lands Transactions, Hydro Corridor/Public Works)	Director	1 Dundas Street West, Suite 2000	Toronto, ON	M5G 2L5	416-327-2959	Patrick.Grace@infrastructureontario.ca
Municipal Elected Officials and Agencies									
Watson	Jim	City of Ottawa	City Council	Mayor	110 Laurier Avenue West	Ottawa, ON	K1P 1J1	613-580-2496	Jim.Watson@ottawa.ca
Tierney	Tim	City of Ottawa	City Council, Ward 11	Councillor	110 Laurier Avenue West	Ottawa, ON	K1P 1J1	613-580-2481	Tim.Tierney@ottawa.ca
Needelman	Robyn	City of Ottawa	City Council, Ward 11	Executive Assistant to Tim Tierney	--	--	--	--	robyn.needelman@ottawa.ca
Fleury	Mathieu	City of Ottawa	City Council, Ward 12	Councillor	110 Laurier Avenue West	Ottawa, ON	K1P 1J1	613-580-2482	Mathieu.Fleury@ottawa.ca
King	Rawlson	City of Ottawa	City Council, Ward 13	Councillor	110 Laurier Avenue West	Ottawa, ON	K1P 1J1	613-580-2483	rideaurockcliffeward@ottawa.ca
Cloutier	Jean	City of Ottawa	City Council, Ward 18	Councillor	110 Laurier Avenue West	Ottawa, ON	K1P 1J1	613-580-2488	Jean.Cloutier@ottawa.ca
Reid	Michael	City of Ottawa	City Council, Ward 18	Executive Assistant to Jean Cloutier	110 Laurier Avenue West	Ottawa, ON	K1P 1J1	613-580-2424 ext 25287	Michael.Reid@ottawa.ca
Kanellakos	Steve	City of Ottawa	--	City Manager	110 Laurier Avenue West	Ottawa, ON	K1P 1J1	613-580-2424 ext 25657	Steve.Kanellakos@ottawa.ca
Fabiani	Ryan	City of Ottawa	City Manager's Office	Research Officer	110 Laurier Avenue West	Ottawa, ON	K1P 1J1	613-580-2424 ext 28392	ryan.fabiani@ottawa.ca
Willis	Stephen	City of Ottawa	Planning, Infrastructure and Economic Development	General Manager	110 Laurier Avenue West	Ottawa, ON	K1P 1J1	613-580-2424 ext 16150	Stephen.willis@ottawa.ca
Manconi	John	City of Ottawa	Transportation Services	General Manager	110 Laurier Avenue West	Ottawa, ON	K1P 1J1	613-580-2424 ext 52111	john.manconi@ottawa.ca
McGrath	Britney	City of Ottawa	Transportation Services, Traffic Management	Coordinator, Traffic Management - Construction	100 Constellation Drive, 5th Floor West	Ottawa, ON	K2G 6J8	613-580-2424 ext 44218	Britney.McGrath@ottawa.ca
Wylie	Kevin	City of Ottawa	Public Works and Environmental Services	General Manager	110 Laurier Avenue West	Ottawa, ON	K1P 1J1	613-580-2424 ext 19013	kevin.wylie@ottawa.ca
Di Monte	Anthony	City of Ottawa	Emergency and Protective Services	General Manager	110 Laurier Avenue West	Ottawa, ON	K1P 1J1	613-580-2424 ext 22458	anthony.dimonte@ottawa.ca
Interest Groups									
Spencer	Katrin	Perley and Rideau Veterans' Health Centre	Seniors' Village Expansion	Manager	1750 Russell Road	Ottawa, ON	K1G 5Z6	--	kspencer@prvhc.com
Innes	Jay	Perley and Rideau Veterans' Health Centre	--	Director of Communications	1750 Russell Road	Ottawa, ON	K1G 5Z6	--	jinnnes@prvhc.com
Dalla Rosa	Lisa	Ottawa Community Housing Corporation	Land Development	Manager	39 Auriga Drive	Ottawa, ON	K2E 7Y8	613-731-1182, Option 6 ext 2353	lisa.dallarosa@och.ca
--	--	Conseil des écoles publiques de l'Est de l'Ontario	Administration	--	2445 Boul. St-Laurent	Ottawa, ON	K1G 6C3	613-742-8960	info@cepeo.on.ca

Surname	First Name	Organization	Department	Title/Role	Address	City/Town, Province	Postal Code	Telephone	E-Mail
Andre	Denise	Ottawa Catholic School Board	Administration	Director of Education	570 West Hunt Club Road	Nepean, ON	K2G 3R4	613-224-4455 ext 2272	Director@ocsb.ca
MacMillan	Cindy	Ottawa Catholic School Board	Planning Department	Planning Officer	570 West Hunt Club Road	Nepean, ON	K2G 3R4	613-224-4455 ext 2302 or 2276	planningcirculations@ocsb.ca
Williams-Taylor	Camille	Ottawa-Carleton District School Board	Administration	Director of Education	133 Greenbank Road	Ottawa, ON	K2H 6L3	613-721-1820 ext 8490	director@ocdsb.ca
Boyd	Barry	Ottawa-Carleton District School Board	Design & Construction Services	Project Coordinator, Building Envelope	1124 Stittsville Main St.	Ottawa, ON	K2S 0E3	613-299-0710	barry.boyd@ocdsb.ca
Lawson	Heather	Queen Elizabeth Public School	Administration	Principal	689 St Laurent Boulevard	Ottawa, ON	K1K 3A6	613-746-3246	queeneizabethps@ocdsb.ca
Lloyd	Debbie	Our Lady of Mount Carmel School	Administration	Principal	675 Gardenvale Road	Ottawa, ON	K1K 1C9	613-745-4884	Debbie.Lloyd@ocsb.ca
--	--	National Military Cemetery of the Canadian Forces	Cemetery	--	280 Beechwood Ave.	Ottawa, ON	K1L 8A6	613-741-9530	nmc@beechwoodottawa.ca
Holmes	Moira	St-Laurent Academy	Administration	Director of Finance and Human Resources	641 Sladen Ave.	Ottawa, ON	K1K 2S8	613-842-8047	admin@st-laurentacademy.com
--	--	St-Laurent Complex	Recreation Centre	--	525 Coté Street	Ottawa, ON	K1K 0Z8	613-742-6767	StlaurentComplex@ottawa.ca
Duke	Kirsten	Vanier Community Association	Community Group	--	300 Pères-Blancs Ave	Ottawa, ON	K1L 7L5	--	vca.acv@gmail.com
Charbachi	Paul	VIA Rail Canada	--	--	--	--	--	--	paul_charbachi@viarail.ca
--	--	Wateridge Village - Rockcliffe	Real Estate Developer (MattamyHomes.com)	--	895 Montreal Rd.	Ottawa, ON	K1K 4B9	613-421-7127	sls_wateridge@mattamycorp.com
Boyle	Steven	Overbrook Community Association	Planning and Development Committee	Vice-Coordinator	--	--	--	--	info@overbrook.ca
McNamee	Steve	Overbrook Community Association	--	--	30 Queen Mary St.	Ottawa, ON	K1K 1X9	613-749-7006	ottawa.mcnamees@gmail.com
--	--	Manor Park Community Association	--	--	--	Ottawa, ON	--	--	manorparkcommunityassociation@gmail.com
Perry	Sheila	Federation of Citizen Associations of Ottawa	--	--	1119 North River Rd.	Ottawa, ON	--	613-744-1711	Perry@fca-fac.ca, sheila.perry014@gmail.com

Appendix D

Updated Stakeholder Consultation Logs

Agency Correspondence

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
FEDERAL OFFICIALS/AGENCIES					
1.1	February 13, 2020	Member of Parliament (MP), Ottawa-Vanier Contact: Mona Fortier	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
1.2	October 19, 2020	MP, Ottawa-Vanier Contact: Mona Fortier	Enbridge representative sent an email with the Notice of Project Change.	N/A	N/A
2.1	February 13, 2020	MP, Ottawa South Contact: David McGuinty	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
2.2	October 19, 2020	MP, Ottawa South Contact: David McGuinty	Enbridge representative sent an email with the Notice of Project Change.	N/A	N/A
3.1	February 13, 2020	Impact Assessment Agency of Canada (IAAC) Contact: Anjala Puvananathan	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
4.1	February 13, 2020	Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) Contact: Lina Letiecq	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
4.2	October 19, 2020	CIRNAC Contact: Lina Letiecq	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
5.1	February 13, 2020	Environment and Climate Change Canada (ECCC) Contact: Sandro Leonardelli	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
5.2	February 17, 2020	ECCC Contact: Wesley Plant	ECCC representative asked if any part of the Project will take place on federal land.	February 18, 2020	Dillon representative responded that portions of the Project will occur on National Capital Commission (NCC) lands and that Enbridge has been consulting with NCC about their federal land use approval requirements.
5.3	February 20, 2020	ECCC Contact: Denise Fell	ECCC representative called Dillon Project Manager and discussed need for coordination between ECCC and NCC to ensure both agencies are in agreement on natural environment surveys required for the Project and potential permitting requirements. Dillon representative provided NCC contact information to ECCC representative.	N/A	N/A
5.4	February 20, 2020	ECCC Contact: Denise Fell	ECCC representative sent an email following up on phone conversation with Dillon representative. ECCC representative summarized the phone conversation and copied the Project NCC contact to further facilitate discussions related to coordination of permitting and federal environmental assessment requirements.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
5.5	March 23, 2020	ECCC Contact: Denise Fell	Dillon representative emailed ECCC representative a Terms of Reference document summarizing the natural environment field surveys and archaeological assessments completed to date, as well as upcoming field work planned for 2020. Dillon representative requested input on the proposed, upcoming field studies to confirm they meet ECCC requirements. Dillon representative also included a copy of the Stage 1 Archaeological Assessment. Dillon representative inquired whether review timelines would be affected by the current public health situation related to COVID-19.	March 23, 2020	ECCC representative introduced the person at ECCC who would be handling the Project file and indicated that that individual would be touch with Dillon to discuss ECCC timelines and next steps. ECCC representative requested that Dillon representative forward any existing baseline Project information for review in the interim. ECCC representative stated they would have to confirm review timelines with their wildlife experts.
5.6	March 23, 2020	ECCC Contact: Denise Fell	Dillon representative thanked ECCC representative for the prompt reply and indicated that the Environmental Report was currently being compiled and could be shared with ECCC in mid-April. For the interim, Dillon representative provided a copy of the Project notice letter shared with agencies in February. Dillon representative asked that ECCC representative provide an update, when available, on potential review timelines.	N/A	N/A
5.7	March 26, 2020	ECCC Contact: Vikash Narine	Dillon representative emailed ECCC representative requesting feedback on Dillon's proposed upcoming Western Chorus Frog (WCF) surveys and whether there was new or updated ECCC guidance or protocols that should be followed.	March 27, 2020	ECCC representative responded, providing a copy of a more recent version of the WCF survey protocol. ECCC representative stated that they would send over comments the following week on the Terms of Reference document that Dillon provided to ECCC on March 23.
5.8	March 30, 2020	ECCC Contact: Vikash Narine	ECCC representative thanked Dillon representative for opportunity to comment on the Terms of Reference document provided to ECCC on March 23. Further to the WCF survey protocol provided via email the previous week (March 27), ECCC representative provided additional guidelines for Butternut assessments and bat surveys.	March 30, 2020	Dillon representative thanked ECCC representative for their feedback.
5.9	March 31, 2020	ECCC Contact: Vikash Narine	Dillon representative requested a phone call to discuss the bat habitat survey protocols recommended by ECCC in their March 30th email.	March 31, 2020	ECCC representative indicated a time they could meet the following day.
5.10	March 31, 2020	ECCC Contact: Vikash Narine	Dillon representative agreed on the meeting time and indicated they would send out a calendar invitation.	N/A	N/A
5.11	April 1, 2020	ECCC Contacts: Vikash Narine and Paul Johanson	Conference call between Dillon and ECCC representatives. The parties came to an agreement on the bat habitat survey protocols to use for the Project.	N/A	N/A
5.12	July 21, 2020	ECCC Contacts: Sandro Leonardelli, Wesley Plant, Denise Fell, and Vikash Narine	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	July 28, 2020	ECCC representative requested a map showing where the pipeline will be located on federal lands.

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
5.13	July 28, 2020	ECCC Contact: Vikash Narine	Enbridge representative left ECCC representative a voicemail and then followed up with an email and asked that ECCC representative confirm they were able to download the Environmental Report. Enbridge representative asked ECCC to indicate if the figures in the Environmental Report were sufficient or if ECCC would like additional information.	July 28, 2020	ECCC representative and Enbridge representative spoke over the phone and then Enbridge representative followed up with an email thanking ECCC representative for their call and noted that a map would be prepared showing the federal land boundaries in relation to the Project pipeline routes.
5.14	August 5, 2020	ECCC Contact: Vikash Narine	Enbridge representative passed along a new figure showing federal lands in relation to the Project pipeline routes.	N/A	N/A
5.15	August 24, 2020	ECCC Contact: Vikash Narine	ECCC representative provided a cover letter and comment table with feedback on the Environmental Report.	N/A	N/A
5.16	October 14, 2020	ECCC Contact: Vikash Narine	ECCC representative followed up with Enbridge representative inquiring whether there were any questions regarding their comments on the Environmental Report and requested an update on the Project.	October 14, 2020	Enbridge representative thanked ECCC representative for reaching out and noted they were still working on a response to ECCC's comments and anticipate sending a response either end of that week or the following week, which would also include further developments on the Project.
5.17	October 19, 2020	ECCC Contacts: Wesley Plant, Denise Fell, and Vikash Narine	Enbridge representative sent an email with the Notice of Project Change.	October 20, 2020	ECCC representative thanked Dillon representative for the update and asked if there was an expected delivery date for the Amended Environmental Report and whether they would be receiving feedback from their comments on the Environmental Report.
5.18	October 20, 2020	ECCC Contact: Vikash Narine	Enbridge representative left a voicemail for ECCC representative and followed up with an email stating that the Amended Environment Report is anticipated to be completed shortly after the comment period closes on November 20, at which point it will be posted to the Enbridge Gas project website. Enbridge representative stated that a copy could be emailed to ECCC, if that is preferred. Enbridge representative stated that their responses to ECCC's comments on the Environmental Report would be provided soon and apologized for the delay.	October 20, 2020	ECCC representative called Enbridge representative back and discussed the Notice of Project Change and ECCC's comments on the Environmental Report. Enbridge representative confirmed that when the Environmental Report Amendment is ready, a link would be provided to ECCC. ECCC commented that they like the idea of an Amendment so that another large report would not require review. Enbridge representative noted that a Natural Heritage Summary Report had been completed in relation to the environmental surveys conducted on federal lands and that it would be submitted with the response to ECCC's comment table. Enbridge representative noted that there were questions regarding the extent of air quality assessment requested by ECCC in the comment table and that it would be beneficial to have a meeting to discuss the appropriate scope.
5.19	October 27, 2020	ECCC Contact: Vikash Narine	Dillon representative provided ECCC with responses to their comments on the Environmental Report along with the Natural Heritage Summary Report and noted that a Butternut Health Assessment Report would be provided in November. Dillon representative noted that the response table and Natural Heritage Summary Report would also be shared with the NCC. Dillon representative requested for a meeting to be set up to discuss ECCC's comments on air quality.	October 27, 2020	ECCC representative thanked Dillon representative for their responses to ECCC's comments and stated they would be in touch with a meeting date and time once they consult with their air specialist.

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
5.20	October 29, 2020	ECCC Contact: Vikash Narine	ECCC representative provided Dillon representative with a meeting date and time to discuss air quality and requested that they be provided with a Microsoft Teams meeting invitation.	October 29, 2020	Enbridge representative sent out a Microsoft Teams meeting invitation to ECCC representatives for November 5, 2020.
5.21	November 5, 2020	ECCC Contact: Vikash Narine	ECCC, NCC, Enbridge, and Dillon representatives met via Microsoft Teams to discuss the scope of the air quality assessment for the Project and determine the best path forward in order to meet the OEB timelines and the requirements of the federal assessment process.	N/A	N/A
6.1	February 13, 2020	Fisheries and Oceans Canada (DFO), Fisheries Protection Program	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
7.1	February 13, 2020	Health Canada Contact: Aurelia Thevenot	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
7.2	February 20, 2020	Health Canada Contact: Dae Young Lee	Health Canada representative thanked Dillon representative for the Project letter and Notice of Commencement and outlined Health Canada's role in regard to impact assessments. Health Canada representative invited Dillon representative to reach out should there be any specific questions related to Health Canada's impact assessment guidance.	February 27, 2020	Dillon representative thanked the Health Canada representative for the information and noted they would be in contact should any specific questions related to human health or Health Canada guidance arise.
8.1	February 13, 2020	Transport Canada	Dillon representative sent Project letter and Notice of Commencement via email.	March 12, 2020	Transport Canada representative thanked Dillon representative for the Project letter and Notice of Commencement. Transport Canada representative indicated that proponents must self-assess whether their project requires Transport Canada review and, if so, to follow-up with Transport Canada outlining their expected role. Transport Canada representative also provided a list of legislation that has commonly applied to projects requiring Transport Canada review in an environmental assessment context.
8.2	March 16, 2020	Transport Canada	Dillon representative thanked Transport Canada representative for the information. Dillon representative noted that there were no current circumstances in relation to the Project that would require Transport Canada review, but, should that change, Transport Canada would be engaged in the environmental assessment process, as required.	N/A	N/A
9.1	February 13, 2020	NCC Contact: Natalie Glancy	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
9.2	February 20, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	Enbridge representative thanked NCC representative for setting up a meeting to discuss the Project. Enbridge representative noted that the Open House for the Project would be held on February 25, 2020 and provided the Notice of Commencement.	N/A	N/A
9.3	February 24, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	Enbridge representative provided NCC representative a copy of the Open House presentation along with agenda items for discussion at their meeting on February 25, 2020.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
9.4	February 25, 2020	NCC Contacts: Various NCC Representatives	Enbridge and Dillon representatives met with NCC representatives at NCC office in Ottawa to discuss the Project.	N/A	N/A
9.5	February 26, 2020	NCC Contact: Christopher Meek	NCC representative emailed Enbridge representative and asked for information on the Project Open House including how many people attended, if any specific concerns were raised in regard to NCC land, and the extent of advertising/notice that was provided to the community and City Councillors.	February 28, 2020	Enbridge representative responded to NCC representative's questions and provided a copy of the Project contact list.
9.6	March 16, 2020	NCC Contact: Christopher Meek	Enbridge representative sent NCC representative an email asking for comments on the Project design drawing.	N/A	N/A
9.7	March 22, 2020	NCC Contact: Céline Desormeaux	Enbridge representative sent NCC representative an email asking for confirmation on whether or not the NCC maintains Hillside Road.	N/A	N/A
9.8	March 23, 2020	NCC Contact: Natalie Glancy	Dillon representative emailed NCC representative a Terms of Reference document summarizing the natural environment field surveys and archaeological assessments completed to date, as well as upcoming field work planned for 2020. Dillon representative requested input on the proposed, upcoming field studies to confirm they meet NCC requirements. Dillon representative also included a copy of the Stage 1 Archaeological Assessment. Dillon representative inquired whether review timelines would be affected by the current public health situation related to COVID-19.	March 24, 2020	NCC representative thanked Dillon representative for the Terms of Reference and indicated that they would leave it up to the ECCC to comment on the natural environment field studies. NCC representative stated they would like to receive a copy of the Environmental Report at the same time as ECCC in mid-April and that NCC staff were continuing to provide service from home during the pandemic. NCC representative also provided a summary of what was discussed at the in-person meeting between Enbridge, Dillon, and NCC representatives on February 25, along with a few NCC-related updates.
9.9	March 24, 2020	NCC Contact: Natalie Glancy	Dillon representative thanked NCC representative for the information and stated that their comments had been noted and would be taken into account, as appropriate, as the Project proceeds.	N/A	N/A
9.10	March 31, 2020	NCC Contact: Céline Desormeaux	Dillon representative provided an update on Project field surveys and requested an extension of their existing Land Access Permit until the end of September, in order to complete remaining spring and summer field surveys.	April 1, 2020	NCC representative thanked Dillon representative for the update and agreed to extend the permit until the end of September.
9.11	April 1, 2020	NCC Contact: Céline Desormeaux	Dillon representative thanked NCC representative.	N/A	N/A
9.12	April 1, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	NCC representative thanked Enbridge representative for meeting with NCC representatives in February and for providing requested information following the Open House. NCC representative provided the NCC's comments on the proposed Project routing on NCC lands. Most notably, the NCC representative stated that the Phase 4 preferred route along Aviation Parkway would conflict with future plans for a new interprovincial crossing.	April 7, 2020	Enbridge representative thanked NCC representative for their comments and noted that they would share them with the Project team and be in touch with a response.
9.13	April 23, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	Enbridge representative thanked NCC representative again for their comments and feedback and responded to each of the NCC's points. Enbridge representative requested a meeting to specifically discuss NCC's comment that the Phase 4 preferred route along Aviation Parkway would conflict with a new potential interprovincial crossing.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
9.14	May 11, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	Enbridge representative followed up with NCC representative inquiring whether the NCC had had an opportunity to review their responses to the NCC's comments.	May 15, 2020	NCC representative thanked Enbridge representative for responding to the NCC's feedback. NCC representative stated they would like to arrange a meeting between Enbridge representatives and the NCC's bridge study team to explore potential project coordination and timelines. NCC representative requested that Enbridge provide some available times for a meeting for the week of June 1. NCC representative noted that in order to recommend approval of an alignment on NCC property, NCC staff must be able to demonstrate that the proposed alignment is the only reasonably feasible option under the policies of the Capital Urban Lands Plan. NCC representative requested more information to better understand the feasibility of the alternative routing along St. Laurent Boulevard and Cummings Avenue.
9.15	May 20, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	Enbridge representative provided a list of Enbridge staff to include in the meeting invite along with available meeting dates and times for the week of June 1. Enbridge representative noted that they were in the process of addressing the NCC's question regarding the feasibility of the alternative routing and would respond shortly.	N/A	N/A
9.16	May 20, 2020	NCC Contact: Christopher Meek	Enbridge representative followed up with the name and email of a Dillon representative to include in the meeting invite.	N/A	N/A
9.17	May 8, 2020	NCC Contact: Nicole McKeever	NCC representative contacted Dillon representative to inform them that their existing Land Access Permit is set to expire on May 30, 2020 and inquired whether an extension would be required.	May 8, 2020	Dillon representative thanked NCC representative for the notification and requested an extension until August 30, 2020.
9.18	June 3, 2020	NCC Contact: Christopher Meek	Enbridge representative provided a PowerPoint presentation in advance of the conference call with NCC, outlining the Project and why it is needed, as well as the constraints associated with the alternative routes.	N/A	N/A
9.19	June 3, 2020	NCC Contact: Christopher Meek and various other NCC Representatives	Enbridge representatives and NCC representatives met via conference call to discuss feedback on Project alignment alternatives and explore potential coordination with the future bridge project.	N/A	N/A
9.20	June 8, 2020	NCC Contact: Christopher Meek	Enbridge representative thanked NCC representative for arranging the meeting with the NCC bridge team the previous week. Enbridge representative noted that, at the end of the meeting, the NCC representative stated they would send along notes/comments summarizing the NCC's position on the Aviation Parkway pipeline route. Enbridge representative kindly reminded NCC representative to provide these notes/comments at their earliest convenience, as they would assist with Enbridge's internal routing discussions.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
9.21	July 21, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
9.22	October 5, 2020	NCC Contact: Christopher Meek	Enbridge representative emailed NCC representative to request a meeting for some time during the week of October 19, 2020 to discuss route changes for the Project.	October 6, 2020	NCC representative provided dates and times that their team would be available for a Microsoft Teams meeting and requested that Enbridge representative provide a map or drawings showing the route changes in advance of the meeting.
9.23	October 6, 2020	NCC Contact: Christopher Meek	Enbridge representative thanked NCC representative and noted they had sent out the meeting invite.	October 6, 2020	NCC representative thanked Enbridge representative for the meeting invite and noted it had been sent out to the rest of the NCC team.
9.24	October 8, 2020	NCC Contact: Christopher Meek	Enbridge representative thanked NCC representative for accommodating their meeting request and noted that new Enbridge Project team members would be introduced on the call.	N/A	N/A
9.25	October 14, 2020	NCC Contact: Christopher Meek	Enbridge representative requested a list of NCC representatives that would be attending the meeting on October 21, 2020.		
9.26	October 19, 2020	NCC Contact: Christopher Meek	Enbridge representative sent an email with the Notice of Project Change.	N/A	N/A
9.27	October 19, 2020	NCC Contact: Christopher Meek	Enbridge representative requested the name and contact information of the NCC archaeologist.	October 19, 2020	NCC representative provided the NCC archaeologist's name and email address.
9.28	October 21, 2020	NCC Contact: Christopher Meek and various other NCC Representatives	NCC and Enbridge representatives had a conference call regarding the Notice of Project Change. Enbridge representative followed up with an email thanking NCC representative for meeting and provided a copy of the presentation slides that were shared at the meeting.	N/A	N/A
9.29	October 21, 2020	NCC Contact: Christopher Meek	Enbridge representative asked if NCC representative could provide contact information for the RCMP for discussions regarding their property on Vanier Parkway and asked if the NCC would like to be included on any correspondence regarding the RCMP property at that location.	N/A	N/A
9.30	October 27, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	Enbridge representative forwarded the email that Dillon had sent to ECCC with responses to ECCC's comments on the Environmental Report and the Natural Heritage Summary Report.	October 27, 2020	NCC representative thanked Enbridge representative for providing the Natural Heritage Summary Report and noted they would also like to participate in the meeting being planned with ECCC regarding air quality.
9.31	October 29, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	Enbridge representative provided a copy of the presentation from their meeting with NCC representatives on October 21, 2020.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
9.32	October 29, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	Enbridge representative sent NCC representatives presentation slides and a copy of the meeting invitation for November 2, 2020 to participate in discussions with the RCMP regarding the Project routing near RCMP property.	N/A	N/A
9.33	October 29, 2020	NCC Contact: Natalie Glancy	Enbridge representative sent out a Microsoft Teams meeting invitation to NCC representative for November 5, 2020 to participate in the discussions with ECCC regarding the air quality assessment for the Project.	N/A	N/A
9.34	November 2, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	NCC representatives participated in a conference call with RCMP, Enbridge, and Dillon representatives regarding Project routing around the RCMP property at 1 Sandridge Road and the RCMP Headquarters along the Vanier Parkway.	N/A	N/A
9.35	November 5, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	Enbridge representative followed up with NCC on the November 2, 2020 meeting with RCMP to inquire when the NCC would be able to provide comments on the proposed routes identified in the meeting.	November 5, 2020	NCC representative stated that their comments had been drafted and they would be sent to Enbridge before the end of the day.
9.36	November 5, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	Enbridge representative thanked NCC representative and noted they would inform the rest of the Project team.	N/A	N/A
9.37	November 5, 2020	NCC Contact: Natalie Glancy	NCC representative participated in the Microsoft Teams meeting with ECCC, Dillon, and Enbridge representatives on the scope of the air quality assessment for the Project and determining the best path forward in order to meet the OEB timelines and the requirements of the federal assessment process.	N/A	N/A
9.38	November 5, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	NCC representative emailed Enbridge representative with an updated summary of their feedback on the Project in light of the proposed Project change and noted they look forward to further discussions with RCMP regarding routing around their properties. NCC representative reiterated their position that they would not permit the use of the Aviation Parkway corridor as an option for the pipeline route, as the lands are reserved for the potential interprovincial crossing at Kettle Island. NCC representative noted that the proposed alternative route under Cummings Avenue was preferred by NCC.	November 5, 2020	Enbridge representative thanked NCC representative for their feedback and stated they would pass the comments along to the rest of the Project team.
9.39	November 16, 2020	NCC Contacts: Christopher Meek and Natalie Glancy	NCC representatives attended a conference call with Enbridge, RCMP, PSPC, and BGIS representatives to discuss the Project routing around the RCMP HQ property on Vanier Parkway, which is owned by PSPC and managed by BGIS. Coordination of the federal EA process was also discussed.	N/A	N/A
10.1	February 13, 2020	Royal Canadian Mounted Police (RCMP) Contact: Anna Chow	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
10.2	October 19, 2020	RCMP Contacts: Anna Chow and Tina Bütter	Dillon representative sent an email with the Notice of Project Change.	October 22, 2020	RCMP representative asked for confirmation that the pipeline would only impact the road adjacent to their property at 1 Sandridge Road and no work would occur on the property itself. RCMP representative also requested a copy of the Environmental Report.
10.3	October 27, 2020	RCMP Contact: Tina Bütter	Dillon representative responded, stating that the pipeline currently follows the property line at 1 Sandridge Road, but there are ongoing discussions with NCC and MTO about the various challenges and restrictions of constructing around the RCMP properties. Dillon representative stated that Enbridge would like to arrange a meeting with the RCMP to discuss the Project and the current routing challenges.	October 27, 2020	RCMP representative thanked Dillon representative for the information and agreed that a conference call between the RCMP, NCC and Enbridge would be useful to ensure that all federal requirements and approvals are considered.
10.4	October 28, 2020	RCMP Contact: Tina Bütter	Enbridge representative contacted RCMP representative and stated they would be setting up the meeting with RCMP and NCC to discuss Project routing near the RCMP properties and inquired whether the RCMP is able to use any kind of video conferencing software so that presentation slides could be shared for discussion. Enbridge representative also inquired whether RCMP could accommodate a meeting on November 2, 2020.	October 28, 2020	RCMP representative stated that they are currently unable to video conference due to security constraints, however, if Enbridge could share the presentation ahead of time, they could follow along during the call. RCMP representative noted times that they are available on November 2, 2020 for the meeting.
10.5	October 28, 2020	RCMP Contact: Tina Bütter	Enbridge representative stated they would send the presentation along in the next day or so and noted they had sent out the meeting invitation to RCMP contacts.	N/A	N/A
10.6	October 29, 2020	RCMP Contacts: Tina Bütter and various other RCMP representatives	Enbridge representative sent RCMP and NCC representatives the presentation slides and a copy of the meeting invitation for November 2, 2020 to discuss the Project routing near RCMP property.	N/A	N/A
10.7	November 2, 2020	RCMP Contacts: Tina Bütter and various other RCMP representatives	RCMP representatives participated in a conference call with NCC, Enbridge, and Dillon representatives regarding Project routing around the RCMP property at 1 Sandridge Road and the RCMP Headquarters along the Vanier Parkway.	N/A	N/A
10.8	November 2, 2020	RCMP Contact: Tina Bütter	Enbridge representative followed up with RCMP representative after the conference call to provide the Notice of Project Change letter and the link to the Environmental Report on the Enbridge Gas project website.	November 4, 2020	RCMP representative stated that, after consulting with their colleagues about the RCMP Headquarters (HQ) property on Vanier Parkway, they were informed that the property is owned by Public Services and Procurement Canada (PSPC). RCMP representative noted that PSPC would have to be contacted and informed of the Project and provided the contact information for the third party service provider managing the site (BGIS). RCMP representative stated that if Enbridge must install the pipeline on their property, then the RCMP will be required to post the Project on the Impact Assessment Registry and an Environmental Effects Determination will have to be completed.

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
10.9	November 5, 2020	RCMP and BGIS (RCMP HQ Property Manager) Contacts: Tina Bütter and Cynthia Couture-Cross	Enbridge representative thanked RCMP representative for the information and noted they had forwarded the email to the rest of the Project team. Enbridge representative invited the BGIS representative to their next meeting with the RCMP scheduled for November 16, 2020 and asked if the BGIS representative would be able to provide contact information for the appropriate PSPC representatives. Enbridge representative provided presentation slides from a previous meeting for the BGIS representative's reference.	N/A	N/A
10.10	November 9, 2020	BGIS (RCMP HQ Property Manager) Contact: Cynthia Couture-Cross	Enbridge representative re-sent their email from November 5, 2020 to BGIS representative in case they had not received the email.	N/A	N/A
10.11	November 16, 2020	BGIS (RCMP HQ Property Manager) Contact: Cynthia Couture-Cross	Enbridge representative notified BGIS representative that they had just forwarded the invite to the meeting that day with RCMP representatives and inquired whether BGIS could attend and invite the appropriate parties from PSPC.	N/A	N/A
10.12	November 16, 2020	RCMP, Public Services and Procurement Canada (PSPC), and BGIS (RCMP HQ Property Manager) Contacts: Various representatives from RCMP, PSPC, and BGIS	Enbridge representatives hosted a conference call with RCMP, PSPC, BGIS, and NCC representatives to discuss the Project routing around the RCMP HQ property on Vanier Parkway, which is owned by PSPC and managed by BGIS. Coordination of the federal EA process was also discussed.	N/A	N/A
PROVINCIAL OFFICIALS/AGENCIES					
11.1	February 13, 2020	Member of Provincial Parliament (MPP), Ottawa South Contact: John Fraser	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
11.2	October 19, 2020	MPP, Ottawa South Contact: John Fraser	Enbridge representative sent an email with the Notice of Project Change.	N/A	N/A
12.1	October 19, 2020	MPP, Ottawa-Vanier Contact: Lucille Collard	Enbridge representative sent an email with the Notice of Project Change.	N/A	N/A
13.1	February 13, 2020	Hydro One Networks Inc. (HONI) Contact: Rossella Fazio	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
13.2	October 20, 2020	HONI Contacts: Roman Dorfman, Daniel King-Costa, and SecondaryLandUse@hydroone.com	Dillon representative sent an email with the Notice of Project Change.	October 22, 2020	HONI representative provided a marked up figure showing where the pipeline alignment crosses under Hydro One high-voltage transmission lines. HONI representative stated that they will need to perform a technical review in the identified locations and requested detailed site plans and cross section drawings showing the pipeline's position in relation to Hydro One facilities and land rights. HONI representative stated that, from there, they would be able to provide direction as to what permitting may be required.

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
13.3	October 22, 2020	HONI Contacts: Roman Dorfman and Daniel King-Costa	Enbridge representative thanked HONI representative for their comments and mark-ups and noted they would be in touch as project design progresses.	N/A	N/A
13.4	October 29, 2020	HONI Contact: SecondaryLandUse@hydroone.com	The HONI Secondary Land Use Department provided a letter in response to the Notice of Project Change stating that they do not currently have sufficient information to comment on the potential impacts of the Project on HONI lands or infrastructure and must be kept informed as more information becomes available in order to advise on whether there are any conflicts with their assets.	N/A	N/A
14.1	February 13, 2020	Ministry of Indigenous Affairs Contact: David Big-Canoe	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
14.2	October 19, 2020	Ministry of Indigenous Affairs Contact: David Big-Canoe	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
15.1	February 13, 2020	Ministry of Agriculture, Food and Rural Affairs (OMAFRA) Contact: John O'Neill	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
15.2	October 19, 2020	OMAFRA Contact: John O'Neill	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
16.1	February 13, 2020	Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) Contacts: Karla Barboza, Kimberly Livingstone, and Susan Golets	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
16.2	February 13, 2020	MHSTCI Contact: Karla Barboza	Dillon representative sent Project letter and Notice of Commencement via email.	February 14, 2020	MHSTCI representative thanked Dillon representative for the Project letter and Notice of Commencement. MHSTCI representative asked for clarification on relationship of the proposed Project to the St. Laurent Pipeline Project that was initiated in 2019 and stated the notice for the 2019 project was attached for reference. MHSTCI representative requested file numbers for any associated Ontario Energy Board (OEB) filings.
16.3	February 14, 2020	MHSTCI Contact: Karla Barboza	Dillon representative noted that the attachment had not come through and provided clarification on the proposed Project in relation to the previous St. Laurent Pipeline Project, as well as the associated OEB filing number.	February 18, 2020	MHSTCI representative thanked Dillon representative for the clarification and provided the attachment missing from the previous email.
16.4	February 18, 2020	MHSTCI Contact: Karla Barboza	Dillon representative responded, confirming that the attachment provided was for the previous St. Laurent Pipeline Project.	N/A	N/A
16.5	March 13, 2020	MHSTCI Contact: Kimberly Livingstone	MHSTCI representative sent an email with a letter outlining MHSTCI's role in OEB projects and providing advice on how to incorporate consideration of cultural heritage in Project planning. MHSTCI requested that they continue to be engaged on the Project throughout the OEB process.	March 16, 2020	Dillon representative thanked MHSTCI representative for the information provided in their March 13th letter and confirmed that they will continue to consult with MHSTCI, as required, throughout the OEB process.

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
16.6	October 19, 2020	Contacts: Karla Barboza, Kimberly Livingstone, and Susan Golets	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
17.1	February 13, 2020	Ministry of Education Contact: Paul Bloye	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
17.2	October 19, 2020	Ministry of Education Contact: Paul Bloye	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
18.1	February 13, 2020	Ministry of Economic Development and Growth Contact: Michael Helfinger	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
18.2	October 19, 2020	Ministry of Economic Development and Growth Contact: Michael Helfinger	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
19.1	February 13, 2020	Infrastructure Ontario Contact: Lisa Myslicki	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
19.2	February 24, 2020	Infrastructure Ontario Contact: Raquel Kallideen	Infrastructure Ontario representative thanked Dillon representative for Project letter and Notice of Commencement. Infrastructure Ontario representative noted that an initial review of the Project information indicates that the Project study area may overlap with hydro corridor lands owned by the Minister of Government and Consumer Services; however it is the proponent's responsibility to verify such. Infrastructure Ontario representative provided a list of names that may appear on title documents indicating property is provincially-owned. Infrastructure Ontario representative requested that they continue to be engaged as a potentially-affected stakeholder and that the proponent contact them directly about requirements for obtaining government property.	February 27, 2020	Dillon representative thanked Infrastructure Ontario representative for the information and stated that Infrastructure Ontario would continue to be engaged on the Project, as needed.
19.3	October 19, 2020	Infrastructure Ontario Contacts: Lisa Myslicki and Raquel Kallideen	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
20.1	February 13, 2020	Ministry of Municipal Affairs and Housing (MMAH) Contact: Shawn Parry	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
20.2	October 19, 2020	MMAH Contacts: Shawn Parry	Dillon representative sent an email with the Notice of Project Change.	October 19, 2020	MMAH representative requested they be removed from the Project distribution list.
20.3	October 20, 2020	MMAH Contact: Shawn Parry	Dillon representative thanked MMAH representative for letting them know.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
21.1	February 13, 2020	Ministry of Natural Resources and Forestry (MNRF) Contact: Mary Dillon	Dillon representative sent Project letter and Notice of Commencement via email.	February 24, 2020	MNRF representative thanked Dillon representative for the Project letter and Notice of Commencement. MNRF representative provided information on where and how to access natural environment data, including data on species at risk, and provided additional information on potentially relevant legislation. MNRF representative stated they wish to remain engaged on the Project and requested that they be contacted with any specific questions or concerns in relation to MNRF interests.
21.2	February 27, 2020	MNRF Contact: Mary Dillon	Dillon representative thanked MNRF representative for the information and stated that MNRF would continue to be engaged on the Project, as needed.	N/A	N/A
21.3	October 19, 2020	MNRF Contact: Mary Dillon	Dillon representative sent an email with the Notice of Project Change.	October 19, 2020	MNRF representative stated they had moved into a new position and would no longer be involved with the Project. MNRF representative provided the name of a colleague that would be able to provide a new MNRF contact for the Project going forward.
21.4	October 20, 2020	MNRF Contacts: Mary Dillon and Scott Lee	Dillon representative thanked MNRF representative for the information and indicated that the other MNRF contact should be in touch should they have any questions or concerns regarding the Project.	N/A	N/A
22.1	February 13, 2020	Ministry of Transportation (MTO) Contact: Peter Makula	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
22.2	February 19, 2020	MTO Contact: Alain Nadeau	MTO representative from the Ottawa Area Office called and left a voicemail for the Enbridge Environmental Advisor on the Project. He stated that he saw the Notice of Commencement for the Project and had some questions about the scope of work near Highway 417 and interchanges.	February 19, 2020	Enbridge representative returned the MTO representative's phone call and left a voicemail acknowledging his message and requesting that he call her back, when available, to discuss the Project.
22.3	March 17, 2020	MTO Contact: Alexandre Gitkow	MTO representative sent a Project letter via email summarizing the MTO's preliminary concerns with regard to the Project routing around Highway 417 and its interchanges. MTO representative stated that the MTO was not supportive of the currently proposed routing and requested a formal response to their concerns.	March 30, 2020	Dillon representative responded, thanking MTO representative for their email and letter. Dillon representative stated that Enbridge would engage MTO at the permitting stage of the Project to obtain all necessary approvals for working in and around Highway 417 and its interchanges.
22.4	March 30, 2020	MTO Contact: Alexandre Gitkow	MTO representative responded that Enbridge should not wait until the permitting stage of the Project to further engage MTO, as it may delay Enbridge's Project schedule, should MTO not accept their plan.	N/A	N/A
22.5	March 30, 2020	MTO Contact: Alexandre Gitkow	MTO representative followed up on previous email to further clarify that Enbridge will need to specifically address all of MTO's concerns outlined in their letter dated March 17, 2020. The MTO representative stated that, prior to approaching the OEB for approval, Enbridge needs to submit a proposed routing option that addresses MTO's concerns.	May 4, 2020	Dillon representative sent a letter outlining Enbridge's formal response to each of the concerns identified in the MTO's letter of March 17, 2020.
22.6	April 21, 2020	MTO Contact: Alexandre Gitkow	Conference call between Enbridge and MTO representatives. Proposed routing around Highway 417 was discussed.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
22.7	May 14, 2020	MTO Contact: Alexandre Gitkow	Dillon representative followed up to confirm that MTO representative had received Enbridge's letter of May 4, 2020.	May 14, 2020	MTO representative confirmed receipt of the May 4 letter and stated they were currently reviewing it and were awaiting additional mapping from Enbridge prior to submitting comments.
22.8	July 10, 2020	MTO Contact: Alexandre Gitkow	MTO representative provided a letter in response to Enbridge's May 4, 2020 letter and stated Enbridge should be in touch should they require more information.	N/A	N/A
22.9	October 19, 2020	MTO Contacts: Peter Makula, Alain Nadeau, Cheryl Tolles, and Alexandre Gitkow	Dillon representative sent an email with the Notice of Project Change.	October 30, 2020	MTO representative thanked Dillon representative for circulating the Notice of Project Change and stated that MTO has no issue with the proposed change but still has concerns with the overall Project. MTO provided a letter with greater detail and stated that Enbridge should be in touch should they require more information.
23.1	February 13, 2020	Ministry of Environment, Conservation and Parks (MECP) Contacts: Sarah Paul and Annamaria Cross	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
23.2	October 19, 2020	MECP Contacts: Sarah Paul and Annamaria Cross	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
24.1	February 13, 2020	Rideau Valley Conservation Authority (RVCA) Contact: Glen McDonald	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
24.2	July 21, 2020	RVCA Contact: Glen McDonald	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
24.3	October 19, 2020	RVCA Contacts: Glen McDonald and Hal Stimson	Dillon representative sent an email with the Notice of Project Change.	October 20, 2020	RVCA representative stated they had received and reviewed the Notice of Project Change and they have no comments or concerns other than that the revised route may involve watercourse crossings which will require a permit. RVCA representative stated that a permit application should be made closer to the proposed time of construction once final route and design is confirmed.
24.4	October 20, 2020	RVCA Contacts: Glen McDonald and Hal Stimson	Enbridge representative thanked RVCA representative for the information.	N/A	N/A
25.1	February 13, 2020	Ontario Pipeline Coordinating Committee (OPCC) – OEB Representative Contact: Zora Crnojacki	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
25.2	July 21, 2020	OPCC – OEB Representative Contact: Zora Crnojacki	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
25.3	October 19, 2020	OPCC – OEB Representative Contact: Zora Crnojacki	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
26.1	February 13, 2020	OPCC – MHSTCI Representative Contact: Laura Hatcher	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
26.2	July 21, 2020	OPCC – MHSTCI Representative Contact: Dan Minkin	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
26.3	October 19, 2020	OPCC – MHSTCI Representative Contact: Laura Hatcher	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
27.1	February 13, 2020	OPCC – Technical Standards and Safety Authority (TSSA) Representative Contact: Kouros Manouchehri	Dillon representative sent Project letter and Notice of Commencement via email.	February 14, 2020	TSSA representative responded that an Application for Review of Pipeline Project needs to be submitted to the TSSA as part of OPCC review.
27.2	July 21, 2020	OPCC – TSSA Representative Contact: Kouros Manouchehri	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
27.3	October 19, 2020	OPCC – TSSA Representative Contact: Kouros Manouchehri	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
28.1	February 13, 2020	OPCC – MMAH Representative Contact: Michael Elms	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
28.2	July 21, 2020	OPCC – MMAH Representative Contact: Michael Elms	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
28.3	October 19, 2020	OPCC – MMAH Representative Contact: Michael Elms	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
29.1	February 13, 2020	OPCC – MECP Representative Contact: Ruth Orwin	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
29.2	July 21, 2020	OPCC – MECP Representative Contact: Ruth Orwin	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
29.3	October 19, 2020	OPCC – MECP Representative Contact: Ruth Orwin	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
30.1	February 13, 2020	OPCC – Ministry of Energy, Northern Development and Mines Representative Contact: Shannon McCabe	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
30.2	July 21, 2020	OPCC – Ministry of Energy, Northern Development and Mines Representative Contact: Shannon McCabe	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
30.3	October 19, 2020	OPCC – Ministry of Energy, Northern Development and Mines Representative Contact: Shannon McCabe	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
31.1	February 13, 2020	OPCC – OMAFRA Representative Contact: Arthur Churchyard	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
31.2	July 21, 2020	OPCC – OMAFRA Representative Contact: Helma Geerts	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
31.3	October 19, 2020	OPCC – OMAFRA Representative Contact: Arthur Churchyard	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
32.1	February 13, 2020	OPCC – MTO Representative Contact: Tony DiFabio	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
32.2	July 21, 2020	OPCC – MTO Representative Contacts: Tony DiFabio and Amanda Rodek	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	August 5, 2020	MTO representative provided the letter that MTO sent to Enbridge on July 10, 2020 and stated that MTO has no further comments than previously provided in the letter. (Note: see Line Item 22.8)

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
32.3	August 5, 2020	OPCC – MTO Representative Contact: Amanda Rodek	Enbridge representative thanked MTO representative.	N/A	N/A
32.4	October 19, 2020	OPCC – MTO Representative Contact: Tony DiFabio	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
33.1	February 13, 2020	OPCC – MNRF Representative Contact: Sally Renwick	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
33.2	July 21, 2020	OPCC – MNRF Representative Contact: Sally Renwick	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
33.3	October 19, 2020	OPCC – MNRF Representative Contact: Sally Renwick	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
34.1	February 13, 2020	OPCC – Infrastructure Ontario Representative Contact: Patrick Grace	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
34.2	July 21, 2020	OPCC – Infrastructure Ontario Representative Contact: Patrick Grace	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
34.3	October 19, 2020	OPCC – Infrastructure Ontario Representative Contact: Patrick Grace	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
35.1	July 21, 2020	OPCC – MMAH East Region Representative Contact: Maya Harris	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
36.1	July 21, 2020	OPCC – MMAH North-Sudbury Region Representative Contact: Bridget Schulte-Hostedde	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
37.1	July 21, 2020	OPCC – MECP North Region Representative Contact: Kathy McDonald	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
38.1	July 21, 2020	OPCC – MECP SW Region Representative Contact: Crystal LaFrance	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
39.1	July 21, 2020	OPCC – MECP West Central Region Representative Contact: Barbara Slattery	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
40.1	July 21, 2020	OPCC – MECP Source Protection Programs Branch Contact: Debbie Scanlon	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
MUNICIPAL OFFICIALS/AGENCIES					
41.1	February 13, 2020	Ottawa Police Service	Dillon representative sent Project letter and Notice of Commencement via standard mail.	N/A	N/A
42.1	February 13, 2020	Hydro Ottawa	Dillon representative sent Project letter and Notice of Commencement via standard mail.	N/A	N/A
43.1	February 13, 2020	OC Transpo Contact: Anise Samimi	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
44.1	February 14, 2020	Mayor's Office Contact: Jim Watson	Enbridge representative sent Project letter and Notice of Commencement via email.	N/A	N/A
44.2	July 21, 2020	Mayor's Office Contact: Jim Watson	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
44.3	October 19, 2020	Mayor's Office Contact: Jim Watson	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
45.1	February 14, 2020	Councillor Jean Cloutier's Office (Ward 18) Contact: Jean Cloutier	Enbridge representative sent Project letter and Notice of Commencement via email.	February 14, 2020	Councillor responded stating she had some questions about the nature and scope of work and noted there were other proposed developments in the area that would require coordination. Councillor stated that a colleague would be in touch to set up a meeting.
45.2	February 14, 2020	Councillor Jean Cloutier's Office (Ward 18) Contact: Jean Cloutier	Enbridge representative responded that they look forward to working with the Councillor's office to discuss and coordinate Project activities.	N/A	N/A
45.3	February 18, 2020	Councillor Jean Cloutier's Office (Ward 18) Contact: Michael Reid	A representative of the Councillor's office requested information from Enbridge regarding the status of another unrelated project.	February 19, 2020	Enbridge representative responded that Enbridge representatives would be available for a meeting on February 25th and asked if the proposed date and time would work for the Councillor's office.
45.4	February 19, 2020	Councillor Jean Cloutier's Office (Ward 18) Contact: Michael Reid	Councillor's representative confirmed that the date and time of the proposed meeting would work and stated that a colleague would send along an invitation with directions.	N/A	N/A
45.5	February 26, 2020	Councillor Jean Cloutier's Office (Ward 18) Contact: Michael Reid	Councillor's representative sent an email facilitating an introduction between Enbridge and the Perley and Rideau Veterans' Health Centre, as they were identified by Councillor Cloutier as potentially-affected stakeholders.	February 26, 2020	Enbridge representative thanked Councillor's representative for the introduction. Enbridge representative stated that they would pass along the contact details for the potentially-affected stakeholders to other colleagues at Enbridge and provided Project information for discussion at a later date.
45.6	July 21, 2020	Councillor Jean Cloutier's Office (Ward 18) Contacts: Jean Cloutier and Michael Reid	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
45.7	October 19, 2020	Councillor Jean Cloutier's Office (Ward 18) Contacts: Jean Cloutier and Michael Reid	Dillon representative sent an email with the Notice of Project Change.	October 27, 2020	Councillor's representative asked if they could have a summary of the changes to the Project in the Alta Vista neighbourhood.
45.8	October 27, 2020	Councillor Jean Cloutier's Office (Ward 18) Contacts: Jean Cloutier and Michael Reid	Enbridge representative responded that the new Phase 4 preferred route remains the same as the original Phase 4 preferred route south of Highway 417 and there are no changes to the Project routing in Councillor Jean Cloutier's Ward (Alta Vista). Enbridge representative stated that the Councillor's representative should reach out should they have any further questions.	N/A	N/A
46.1	February 14, 2020	Councillor Mathieu Fleury's Office (Ward 12) Contact: Mathieu Fleury	Enbridge representative sent Project letter and Notice of Commencement via email.	N/A	N/A
46.2	July 21, 2020	Councillor Mathieu Fleury's Office (Ward 12) Contact: Mathieu Fleury	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
46.3	October 19, 2020	Councillor Mathieu Fleury's Office (Ward 12) Contact: Mathieu Fleury	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
47.1	February 14, 2020	Councillor Tim Tierney's Office (Ward 11) Contact: Tim Tierney	Enbridge representative sent Project letter and Notice of Commencement via email.	N/A	N/A
47.2	July 21, 2020	Councillor Tim Tierney's Office (Ward 11) Contact: Tim Tierney	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
47.3	October 19, 2020	Councillor Tim Tierney's Office (Ward 11) Contacts: Tim Tierney and Robyn Needelman	Dillon representative sent an email with the Notice of Project Change.	October 22, 2020	Councillor's representative thanked Dillon representative for the information and stated that residents in the area should be made aware of the Project with sufficient notifications and, otherwise, the Councillor's office has no further comments.
47.4	October 27, 2020	Councillor Tim Tierney's Office (Ward 11) Contacts: Tim Tierney and Robyn Needelman	Enbridge representative thanked Councillor's representative for reaching out and noted that, since the change in the Project route is a hybrid of routes that the public would have already had a chance to comment on during the original consultation period earlier in the year, there would not be any new public notices delivered with regard to the Project change.	N/A	N/A
48.1	February 14, 2020	Councillor Rawlson King's Office (Ward 13) Contact: Rawlson King	Enbridge representative sent Project letter and Notice of Commencement via email.	N/A	N/A
48.2	July 21, 2020	Councillor Rawlson King's Office (Ward 13) Contact: Rawlson King	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
48.3	October 19, 2020	Councillor Rawlson King's Office (Ward 13) Contact: Rawlson King	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
49.1	February 14, 2020	City of Ottawa – Public Works and Environmental Services Contact: Kevin Wylie	Enbridge representative sent Project letter and Notice of Commencement via email.	N/A	N/A
49.2	July 21, 2020	City of Ottawa – Public Works and Environmental Services Contact: Kevin Wylie	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
49.3	October 19, 2020	City of Ottawa – Public Works and Environmental Services Contact: Kevin Wylie	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
50.1	February 14, 2020	City of Ottawa – Transportation Services Contact: John Manconi	Enbridge representative sent Project letter and Notice of Commencement via email.	N/A	N/A
50.2	July 21, 2020	City of Ottawa – Transportation Services Contacts: John Manconi and Britney McGrath	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	August 31, 2020	City Transportation Services representative emailed Enbridge representative and stated they had reviewed the proposed pipeline route and provided a summary of standard traffic conditions for the roads that may be impacted by Project construction. City Transportation Services representative stated that if Enbridge cannot meet all of the traffic conditions provided, they should plan a meeting with City Traffic Management and other stakeholders well in advance, as a full traffic impact study may be required.
50.3	October 19, 2020	City of Ottawa – Transportation Services Contact: John Manconi	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
51.1	February 14, 2020	City of Ottawa – City Manager’s Office Contact: Steve Kanellakos	Enbridge representative sent Project letter and Notice of Commencement via email.	N/A	N/A
51.2	February 21, 2020	City of Ottawa – City Manager’s Office Contact: Ryan Fabiani	City Manager’s representative thanked Enbridge representative for the Project notice and stated that the Project information had been forwarded to Stephen Willis, General Manager of Planning, Infrastructure and Economic Development.	February 21, 2020	Enbridge representative thanked City Manager’s representative for the follow-up note.
51.3	July 21, 2020	City of Ottawa – City Manager’s Office Contacts: Steve Kanellakos and Ryan Fabiani	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
51.4	October 19, 2020	City of Ottawa – City Manager’s Office Contacts: Steve Kanellakos and Ryan Fabiani	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
52.1	February 14, 2020	City of Ottawa – Emergency and Protective Services Contact: Anthony Di Monte	Enbridge representative sent Project letter and Notice of Commencement via email.	N/A	N/A
52.2	July 21, 2020	City of Ottawa – Emergency and Protective Services Contact: Anthony Di Monte	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A

Line Item	Date of Consultation	Name of Agency and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
52.3	October 19, 2020	City of Ottawa – Emergency and Protective Services Contact: Anthony Di Monte	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
53.1	February 14, 2020	City of Ottawa – Planning, Infrastructure and Economic Development Contact: Stephen Willis	Enbridge representative sent Project letter and Notice of Commencement via email.	N/A	N/A
53.2	July 21, 2020	City of Ottawa – Planning, Infrastructure and Economic Development Contact: Stephen Willis	Enbridge representative provided notice that the Environmental Report for the Project was available for review on the Enbridge Gas project website and provided a link to the report. Enbridge representative noted that comments should be submitted no later than September 1, 2020 and provided the contact information of the Enbridge Environmental Advisor.	N/A	N/A
53.3	October 19, 2020	City of Ottawa – Planning, Infrastructure and Economic Development Contact: Stephen Willis	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A

Interest Group Correspondence

Line Item	Date of Consultation	Name of Group and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
1.1	February 13, 2020	Conseil des écoles publiques de l'Est de l'Ontario	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
1.2	October 19, 2020	Conseil des écoles publiques de l'Est de l'Ontario	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
2.1	February 13, 2020	Ottawa Catholic School Board (OCSB) Contact: Denise Andre	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
2.2	October 19, 2020	OCSB Contact: Denise Andre	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
2.3	March 6, 2020	OCSB Contact: Cindy MacMillan	OCSB representative provided comments on the Project noting that they prefer the preliminary preferred route for the extra high pressure (XHP) pipeline. OCSB representative noted opposition to the Cummings Avenue alternative route, as construction would impact operation and access to one of their schools. OCSB representative requested that they be formally notified of all matters related to the Project should the Cummings Avenue route be chosen.	March 9, 2020	Dillon representative thanked the OCSB representative for their comments.
2.4	October 19, 2020	OCSB Contact: Cindy MacMillan	Dillon representative sent an email with the Notice of Project Change.	October 29, 2020	OCSB representative left a voicemail for Dillon representative asking for clarification on the Phase 4 preferred route changes in relation to the Our Lady of Mount Carmel elementary school.
2.5	October 30, 2020	OCSB Contact: Cindy MacMillan	Dillon representative called OCSB representative back and explained the changes to the Phase 4 preferred route and the OCSB representative indicated they had no further concerns.	October 30, 2020	OCSB representative followed up on phone call with Dillon representative via email, confirming that the changes to the Phase 4 preferred route would have no impact on the OCSB's elementary school, Our Lady of Mount Carmel, located at 675 Gardenvale Road. OCSB representative thanked Dillon representative for the opportunity to review the Project change.
3.1	February 13, 2020	Ottawa-Carleton District School Board (OCDSB) Contacts: Camille Williams-Taylor and Barry Boyd	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
3.2	October 19, 2020	OCDSB Contacts: Camille Williams-Taylor and Barry Boyd	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
4.1	February 13, 2020	Queen Elizabeth Public School Contact: Heather Lawson	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A

Line Item	Date of Consultation	Name of Group and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
4.2	October 19, 2020	Queen Elizabeth Public School Contact: Heather Lawson	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
5.1	February 13, 2020	Our Lady of Mount Carmel School Contact: Debbie Lloyd	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
5.2	October 19, 2020	Our Lady of Mount Carmel School Contact: Debbie Lloyd	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
6.1	February 13, 2020	National Military Cemetery of the Canadian Forces	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
6.2	October 19, 2020	National Military Cemetery of the Canadian Forces	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
7.1	February 13, 2020	Notre-Dame Cemetery	Dillon representative sent Project letter and Notice of Commencement via standard mail.	N/A	N/A
8.1	February 13, 2020	St. Laurent Academy Contact: Moira Holmes	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
8.2	October 19, 2020	St. Laurent Academy Contact: Moira Holmes	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
9.1	February 13, 2020	Mount Zion Church of the Firstborn Contact: Maurizio Mingardi	Dillon representative sent Project letter and Notice of Commencement via standard mail.	N/A	N/A
10.1	February 13, 2020	St. Laurent Complex	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
10.2	October 19, 2020	St. Laurent Complex	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
11.1	February 13, 2020	Vanier Community Association Contact: Kirsten Duke	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
11.2	October 19, 2020	Vanier Community Association Contact: Kirsten Duke	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
12.1	February 13, 2020	Canada Aviation and Space Museum	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
13.1	February 13, 2020	Montfort Hospital	Dillon representative sent Project letter and Notice of Commencement via standard mail.	N/A	N/A
14.1	February 13, 2020	St. Laurent Shopping Centre	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A

Line Item	Date of Consultation	Name of Group and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
15.1	February 13, 2020	VIA Rail Canada	Dillon representative sent Project letter and Notice of Commencement via email.	February 28, 2020	VIA Rail Customer Relations representative thanked Dillon representative for the Project notice and apologized for the delayed response. VIA Rail Customer Relations representative provided contact information for the appropriate agent at VIA Rail to which the Project information should be forwarded.
15.2	February 28, 2020	VIA Rail Canada Contact: Paul Charbachi	Dillon representative sent Project letter and Notice of Commencement via email, noting that the Open House had passed but that the storyboard panels could be provided upon request. Dillon representative explained why VIA Rail was identified as a potentially-affected stakeholder and provided a link to the Project website.	March 4, 2020	VIA Rail representative responded stating that VIA Rail had no objection to the proposed works and provided information on regulatory and permitting requirements in relation to working around railway lines.
15.3	March 9, 2020	VIA Rail Canada Contact: Paul Charbachi	Dillon representative thanked VIA Rail representative for the information and acknowledged the permitting requirements. Dillon representative stated that Enbridge would be in contact with VIA Rail, as necessary, as the Project progresses.	March 9, 2020	VIA Rail representative thanked Dillon representative.
15.4	October 19, 2020	VIA Rail Canada Contact: Paul Charbachi	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
16.1	February 13, 2020	Wateridge Village – Rockcliffe	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
16.2	October 19, 2020	Wateridge Village – Rockcliffe	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
17.1	February 13, 2020	U-Haul Moving and Storage of Ottawa	Dillon representative sent Project letter and Notice of Commencement via standard mail.	N/A	N/A
18.1	February 13, 2020	Overbrook Community Association Contacts: Steven Boyle and Steve McNamee	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
18.2	October 19, 2020	Overbrook Community Association Contacts: Steven Boyle and Steve McNamee	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
19.1	February 13, 2020	Federation of Citizen Associations of Ottawa Contact: Sheila Perry	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A
19.2	October 19, 2020	Federation of Citizen Associations of Ottawa Contact: Sheila Perry	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
20.1	February 13, 2020	CBC Radio Contact: Matthew Pearson	Dillon representative sent Project letter and Notice of Commencement via email.	N/A	N/A

Line Item	Date of Consultation	Name of Group and/or Contact	Description of Consultation Activity	Date of Response	Response and Issue Resolution (if applicable)
21.1	February 26, 2020	Ottawa Community Housing Corporation (OCHC) Contact: Lisa Dalla Rosa	OCHC representative sent an email summarizing her concerns expressed at the Open House event on February 25th. OCHC representative noted that OCHC owns multiple properties along the XHP alternative routes and that they would prefer that Enbridge proceed with the preliminary preferred route. OCHC representative requested that they receive Project updates so they can pass the information along to their tenants, as needed. OCHC representative requested a copy of the Open House storyboard panels.	February 26, 2020	Dillon representative thanked OCHC representative for their feedback and acknowledged their route preference. Dillon representative provided a copy of the Open House storyboard panels.
21.2	October 19, 2020	OCHC Contact: Lisa Dalla Rosa	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
22.1	October 19, 2020	Perley and Rideau Veterans' Health Centre Contacts: Katrin Spender and Jay Innes	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A

Public Correspondence

Line Item	Date of Consultation	Name of Contact	Description of Consultation Activity (Email)	Date of Response	Response and Issue Resolution (if applicable)
1.1	February 11, 2020	Resident	Individual called and left a voicemail for the Dillon Project Manager. He stated he is a property owner along the pipeline routes and had questions about access during construction, construction duration, and specific plans for the area in front of his property.	February 12, 2020	Dillon representative called individual back and explained the scope of work near his property.
1.2	February 12, 2020	Resident	Dillon representative sent an email to the individual following their phone conversation. The email summarized the topics discussed over the phone and the Dillon representative provided a more detailed map showing the potential pipeline routes.	February 12, 2020	Individual thanked Dillon representative for the information and noted they have another property at a different location along the potential pipeline routes and wanted to know if that property could be affected.
1.3	February 13, 2020	Resident	Dillon representative responded that no work was planned at the address of the individual's other property.	N/A	N/A
1.4	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
2.1	February 14, 2020	Resident	Individual called the Dillon Project Manager. She noted she had received the Notice of Commencement in the mail and cited her address. She asked questions about Project approval and if the Project would be servicing new customers and the Dillon Project Manager responded to her questions.	N/A	N/A
2.2	February 14, 2020	Resident	Dillon representative sent an email to the individual following their phone conversation, thanking them for their call and providing a more detailed map showing the potential pipeline routes. The Dillon representative encouraged the individual to attend the public Open House event scheduled for February 25th.	February 15, 2020	Individual thanked the Dillon representative for the information.
2.3	March 11, 2020	Resident	Dillon representative sent an email to the individual in response to questions and concerns posed at the Open House and on the Open House exit questionnaire.	March 12, 2020	Individual thanked the Dillon representative for the information and asked if any other members of the public had commented on the preliminary preferred route along the Aviation Parkway.
2.4	March 12, 2020	Resident	Dillon representative responded that there had been several comments received regarding the Aviation Parkway route and that, to date, no comments in opposition to the route had been received.	N/A	N/A
2.5	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	October 23, 2020	Individual emailed Dillon representative asking how the change in the Phase 4 preferred route had come about.
2.6	October 27, 2020	Resident	Individual left a voicemail for the Enbridge Environment Advisor on the Project looking for information on why the Phase 4 preferred route had been changed.	October 27, 2020	Enbridge representative called the individual back and the individual stated they wanted further clarification on why the preferred route had changed and noted that the new preferred route would impact a highly residential area. The individual asked if the change in route had to do with the potential interprovincial bridge crossing at Kettle Island. Enbridge representative responded to the individual, stating that the routing change is a result of ongoing discussions with key stakeholders, primarily the NCC, and that they are also still in discussions with other stakeholders including the MTO and ECCC. The individual expressed concern that the NCC does not want the original preferred route because of the interprovincial highway and that the NCC's position on the matter is political in nature. Enbridge representative noted to the individual that all consultation on the Project is tracked and included in the Environmental Report on the Enbridge Project website. Enbridge representative also noted that an Environmental Report amendment would be posted to the website once it is ready for review, which would also include records of ongoing consultation.

Line Item	Date of Consultation	Name of Contact	Description of Consultation Activity (Email)	Date of Response	Response and Issue Resolution (if applicable)
2.7	October 27, 2020	Resident	Enbridge representative followed up on their phone call with the individual via email, encouraging the individual to submit their comments on the Project to the Project email inbox. Enbridge representative provided a link to the Environmental Report on the Enbridge Project website and noted that the consultation log could be found in Appendix G. Enbridge representative noted that the individual could get in touch via cell phone if they had further questions or comments.	November 3, 2020	Individual emailed Enbridge representative and stated that they had looked at the Environmental Report and consultation logs but were unable to see any reference to their own comments on the Project from the Open House. The individual noted that they saw the NCC comments, and asked if the Manor Park Community Association (MPCA) or Manor Park Estates had been consulted, as they noted there were not comments from these groups in the consultation log. Individual asked whether the consultation log was incomplete or shortened somehow due to NCC comments potentially “trumping” other comments. Individual asked for clarification about a small triangular area on the Notice of Project Change map where there is a gap in the Study Area buffer between Sandridge Road and Sir George-Étienne Cartier Parkway (i.e., between the preferred and alternative routes).
3.1	February 21, 2020	Resident	Individual emailed the Project inbox with questions about the route along Aviation Parkway, indicating they would be unable to attend the Project Open House scheduled for Tuesday, February 25th.	February 28, 2020	Dillon representative responded to the individual's questions.
3.2	February 28, 2020	Resident	Individual thanked Dillon representative for the information and asked additional questions regarding effects of construction on environmental and socio-economic elements and the rationale behind choosing the Aviation Parkway as the preferred route for the replacement pipeline. Individual also asked if there were other sources of Project information available to consult.	March 30, 2020	Dillon representative responded to the individual's questions and provided link to Project website.
3.3	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
4.1	April 2, 2020	Resident	Dillon representative sent an email to the individual in response to questions and concerns posed on the Open House exit questionnaire.	N/A	N/A
4.2	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
5.1	April 2, 2020	Resident	Dillon representative sent an email to the individual in response to questions and concerns posed on the Open House exit questionnaire.	N/A	N/A
5.2	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
6.1	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
7.1	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
8.1	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
9.1	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
10.1	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
11.1	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A
12.1	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	October 21, 2020	Individual emailed Dillon representative and stated they have no concerns about the change.
12.2	October 21, 2020	Resident	Dillon representative thanked individual.	N/A	N/A
13.1	October 19, 2020	Resident	Dillon representative sent an email with the Notice of Project Change.	N/A	N/A

Appendix E

Updated Indigenous Consultation Logs

Indigenous Community Correspondence

Line Item	Date of Engagement	Name of Community and Contact	Description of Engagement Activity	Date of Response	Response and Issue Resolution (if applicable)
ALGONQUINS OF ONTARIO (AOO)					
1.1	February 5, 2020	AOO	Enbridge representative sent Project letter and Notice of Commencement via email and invited AOO to provide feedback. Enbridge representative also attached the Stage 1 Archaeological Assessment for review.	N/A	N/A
1.2	February 20, 2020	AOO	Enbridge representative sent an email with an updated Project schedule to allow for more realistic review timeframes for the AOO. Enbridge representative also requested feedback on potential availability of Indigenous monitors for upcoming Stage 2 archaeological fieldwork anticipated to occur in May 2020.	N/A	N/A
1.3	March 10, 2020	AOO	Enbridge representative sent AOO representatives an update on the Project and archaeological assessments. Enbridge representative provided details on potential timing of Stage 2 field work, as well as upcoming natural environment surveys, and asked AOO representatives if they had any interest in sending environmental monitors to participate in the field work.	N/A	N/A
1.4	March 30, 2020	AOO	Enbridge representative followed-up on March 10 email, informing AOO representatives that the dates of the first spring field surveys were quickly approaching (first and second week of April) and requested that AOO indicate whether they had any interest in participating so that appropriate plans could be put in place to accommodate their participation.	N/A	N/A
1.5	March 30, 2020	AOO	Enbridge representative sent an email requesting an update on AOO workflow and the timeline for review of the Stage 1 Archaeological Assessment provided to AOO on February 5. Enbridge representative also stated that they would appreciate any information on how AOO is operating since the COVID-19 social distancing requirements have been implemented.	March 30, 2020	AOO representative responded that all employees were currently working from home and apologized for delays in responding to emails. AOO representative stated they would have to look into the status of the Stage 1 Archaeological Assessment review and get back to Enbridge on timing. AOO representative asked a question about invoicing.
1.6	March 30, 2020	AOO	Enbridge representative thanked AOO representative for their response and answered questions about invoicing. Enbridge representative stated that there would be an update on the field schedule for the Project to be sent in a separate email later in the day.	N/A	N/A
1.7	April 2, 2020	AOO	Enbridge representative informed AOO representatives that, due to improper weather conditions, Western Chorus Frog surveys were being postponed until the following week and requested that AOO advise whether they are interested in participating.	N/A	N/A
1.8	April 13, 2020	AOO	Enbridge representative informed AOO representatives of the date for the final Western Chorus Frog surveys and requested that AOO advise whether they are interested in participating.	N/A	N/A
1.9	April 21, 2020	AOO	Enbridge representative inquired whether AOO representative could provide an update on the status of AOO's review of the Stage 1 Archaeological Assessment.	N/A	N/A

Line Item	Date of Engagement	Name of Community and Contact	Description of Engagement Activity	Date of Response	Response and Issue Resolution (if applicable)
1.10	May 4, 2020	AOO	Enbridge representative provided an update on the status of the field surveys for the Project, indicating that the Western Chorus Frog surveys are complete and that two field surveys are remaining. Enbridge representative provided tentative schedule for the remaining field surveys and requested that AOO indicate whether they are interested in participating.	N/A	N/A
1.11	May 15, 2020	AOO	AOO representative thanked Enbridge representative for their email of May 14, 2020 and stated they would be available for a call on Wednesday the following week. AOO representative requested a map showing all the St. Laurent Pipeline project phases, stating that they would like to provide comments on it as part of their forthcoming response to the Stage 1 Archaeological Assessment for the Project.	May 15, 2020	Enbridge representative thanked AOO representative and suggested two potential meeting times for the following Wednesday. Enbridge representative stated they would be able to provide more detailed mapping of Phases 3 and 4 of the St. Laurent Pipeline Project next Tuesday, after the long weekend.
1.12	May 21, 2020	AOO	Enbridge representative emailed AOO representative apologizing for not being able to connect the previous day and inquired if the AOO representative would be available for a call the following week. Enbridge representative provided a map of the different phases of the St. Laurent Project, noting that Phase 2 is currently under construction and is expected to be completed in summer 2020, and that Phases 3 and 4 are currently in the environmental review stage. Enbridge representative thanked AOO representative for their review of the Stage 1 Archaeological Assessment for the Project and stated that Enbridge is currently working to integrate AOO's comments and recommendations.	N/A	N/A
1.13	June 3, 2020	AOO	Enbridge representative provided letter outlining Enbridge's response to AOO's comments and recommendations on the Stage 1 Archaeological Assessment and noted that they would keep AOO informed of the timing of the Stage 2 fieldwork. Enbridge representative also provided anticipated dates of upcoming environmental surveys for the Project and asked that AOO indicate if they would be interested in having a community representative participate.	June 8, 2020	AOO representative acknowledged receipt of Enbridge's feedback on AOO's comments on the Stage 1 Archaeological Assessment and stated they are looking forward to receiving the revised copy of the Stage 1 report for final review before submission to the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI). AOO representative noted that the AOO is generally interested in participating in environmental surveys, however, due to COVID-19 and current capacity, they are unable to participate in the upcoming field surveys for the Project. AOO representative asked that they be kept informed of future opportunities for participation as their capacity may grow/change and the COVID-19 situation evolves.
1.14	July 7, 2020	AOO	AOO representative emailed Enbridge representative and requested a meeting the following week to discuss the various ongoing Enbridge Gas projects, including the St. Laurent Ottawa North Project. AOO representative asked that the Enbridge representative also provide a chart showing the status of the projects and next steps, similar to what has been shared previously with AOO.	July 9, 2020	Enbridge representative provided the updated chart of ongoing Enbridge Gas projects, noting that for the St. Laurent Ottawa North Project, the Environmental Report would be provided soon for AOO review and further information would be coming regarding the Stage 2 Archaeological Assessment, should AOO wish to participate.

Line Item	Date of Engagement	Name of Community and Contact	Description of Engagement Activity	Date of Response	Response and Issue Resolution (if applicable)
1.15	July 21, 2020	AOO	Enbridge representative emailed AOO representatives to let them know that the Environmental Report for the Project had been submitted to the OPCC on July 21, 2020 and provided a link to the report on the Enbridge Project website. Enbridge representative noted that the 42-day review period would expire on September 1, 2020. Enbridge representative stated that they are committed to ongoing consultation with AOO and look forward to AOO's feedback. Enbridge representative also noted that the Stage 2 archaeological work for the Project is planned for late September or early October and they will remain in contact with AOO as plans progress.	N/A	N/A
1.16	August 11, 2020	AOO	Enbridge representative provided an updated chart of ongoing Enbridge Gas projects and highlighted the expected timelines for AOO review of the Environmental Report for the Project. Enbridge representative inquired whether AOO representative would like to have a brief call to touch base.	N/A	N/A
1.17	August 18, 2020	AOO	AOO representative emailed Enbridge representative and apologized for cancelling their meeting the previous day. AOO representative provided draft budgets for the various project reviews and noted that the September 1, 2020 deadline for review of the Environmental Report for the Project would not be feasible due to the time required for the AOO's internal review processes. AOO representative stated they would be in touch later in the week to set up a new meeting to go over everything.	August 18, 2020	Enbridge representative thanked AOO representative for the information on the draft project review budgets. Enbridge representative stated they would work with the AOO to incorporate their feedback into the Environmental Report through the ongoing consultation process. Enbridge representative stated they would be happy to speak with the AOO representative at any time.
1.18	August 27, 2020	Shared Value Solutions (SVS) on behalf of AOO	SVS representative emailed Enbridge representative stating that the link to the Environmental Report provided to the AOO was not working and requested an updated link to the Environmental Report.	August 27, 2020	Enbridge representative apologized for the issue and provided directions on how to navigate to the Environmental Report from the Enbridge Gas project website.
1.19	August 27, 2020	SVS on behalf of AOO	SVS representative thanked Enbridge representative and stated they were able to download the Environmental Report.	N/A	N/A
1.20	October 20, 2020	AOO	Enbridge representative emailed AOO the Notice of Project Change letter and summarized the change in the preferred route for Phase 4 of the Project. Enbridge representative offered to provide a briefing on the change if AOO would like to discuss it further on a call.	October 28, 2020	AOO representative thanked Enbridge representative for the Notice of Project Change and stated they would review. AOO representative requested that Enbridge representative reference the AOO file number for the Project on future correspondence.
1.21	October 29, 2020	AOO and SVS	AOO representative provided the AOO's comments and recommendations on the Environmental Report and the recent Notice of Project Change. AOO representative requested the names and contact information for the OPCC so they can forward them a copy of the AOO's correspondence and review.	November 2, 2020	Enbridge representative thanked AOO representative for their feedback on the Project and noted they would work on providing comments back to AOO that week. Enbridge representative directed the AOO representative to the OPCC contact list on the OEB's website. Enbridge representative noted they are available to discuss the Notice of Project Change if the AOO would like any further details or clarity.
1.22	November 9, 2020	AOO	Enbridge representative notified AOO representative that there would be additional changes to the Phase 4 preferred route and that they would keep AOO informed on updates once more details are available.	N/A	N/A

Line Item	Date of Engagement	Name of Community and Contact	Description of Engagement Activity	Date of Response	Response and Issue Resolution (if applicable)
MOHAWK COUNCIL OF AKWESASNE (MCA)					
2.1	February 14, 2020	MCA	Enbridge representative sent Project letter and Notice of Commencement via email and invited MCA to provide feedback. Enbridge representative stated they would keep MCA apprised of any upcoming archaeological field studies and opportunities for MCA to participate.	N/A	N/A
2.2	June 2, 2020	MCA	Enbridge representative provided an update on the Project and noted that Stage 2 archaeological fieldwork is tentatively planned for July/August, but dependent on the COVID-19 restrictions that are in effect at that time.	N/A	N/A
2.3	June 3, 2020	MCA	Enbridge representative provided anticipated dates of upcoming environmental surveys for the Project and asked that MCA indicate if they would be interested in having a community representative participate.	N/A	N/A
2.4	July 21, 2020	MCA	Enbridge representative emailed MCA representative to let them know that the Environmental Report for the Project had been submitted to the OPCC on July 21, 2020 and provided a link to the report on the Enbridge Project website.	N/A	N/A