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Chatham, Ontario, Canada  
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February 19, 2018

BY RESS & Courier

Ms. Kirsten Walli  
Board Secretary  
Ontario Energy Board  
Suite 2700, 2300 Yonge Street  
Toronto, Ontario  
M4P 1E4

Dear Ms. Walli:

**Re: Union Gas Limited ("Union")  
2016 Maley Replacement Project  
Board File # EB-2016-0222**

Pursuant to Condition 6. (b) i. - v. of the Board's Conditions of Approval for the above-noted project, enclosed please find the Final Monitoring Report.

Sincerely,

*[original signed by]*

Shelley Bechard  
Administrative Analyst, Regulatory Projects

cc: Z. Crnojacki  
N. Marconi  
Regulatory Library

**SUDBURY MALEY DRIVE REPLACEMENT PROJECT  
FINAL MONITORING REPORT  
EB-2016-0222**

Prepared by: Union Gas Limited  
Environmental Planning  
February 2019

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Final Monitoring Report

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## **1.0 INTRODUCTION**

This Final Monitoring Report is provided in compliance with the Ontario Energy Board (“Board”) Order EB-2016-0222 granting Union Gas Limited (“Union”) “Leave to Construct” to replace a section of NPS 10 inch natural gas pipeline with 1,955 metres of new NPS 12 inch pipeline and to replace an 854 metre section of the existing NPS 12 inch natural gas pipeline (the Project) in the City of Greater Sudbury (City).

The pipeline replacements were necessary due to the City’s scheduled construction of a four-lane extension of Maley Drive with work commencing in 2016. In order to facilitate the construction of the roadways, the City required Union to relocate portions of its NPS 10 and NPS 12 Sudbury Lateral pipelines in areas where the current location of the pipelines are in conflict with the new location of Maley Drive.

The requirements for and details of this report are outlined in the specific conditions issued by the Board in its Order dated November 10, 2016 as listed below. The Conditions of Approval can be found in Appendix B.

Accordingly, the purpose of this Final Monitoring Report is to fulfill these conditions.

- 1.0 Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the OEB’s Decision and Order in EB-2016-0222 and these Conditions of Approval.*
- 3.0 Union shall implement all the recommendations of the Environmental Protection Plan filed in the proceeding.*
- 4.0 Union Gas shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. Except in an emergency, Union shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.*

**6.0** *Both during and after construction, Union Gas shall monitor the impacts of construction, and shall file with the OEB one paper copy and one electronic (searchable PDF) version of each of the following reports:*

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

- i. provide a certification, by a senior executive of the company, of Union's adherence to Condition 1;*
- ii. described any impact or outstanding concerns identified during construction;*
- iii. describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of the construction;*
- iv. include a log of all complaints received by Union, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rational for taking such actions and;*
- v. provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences and certificates required to construct, operate and maintain the proposed project.*

*b) a final monitoring report, no later than 15 months after the in-service date or where the deadline falls between December 1 and May 31, following June 1, which shall:*

- i. provide a certification, by a senior executive of the company, of Union's adherence to Condition 3;*
- ii. describe the condition of any rehabilitated land;*
- iii. describe the effectiveness of any actions taken to prevent or mitigate and identified impacts of construction.*
- iv. include the results of any analyses and monitoring programs and any recommendations arising therefrom; and*
- v. include a log of all complaints received by Union, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rational for taking such actions.*

## **2.0 BACKGROUND**

Union was granted approval to construct the Sudbury Maley Drive Replacement Project on November 10, 2016. Construction was initiated for the crossing of Notre Dame Ave. on October 31, 2016 and completed on December 2, 2016. Construction for the remainder of the project was initiated on May 8, 2017 with cleanup for the year completed on December 5, 2017. The NPS 12 inch pipelines commenced at a tie-in to the existing NPS 10 inch Sudbury Lateral Line approximately 530 metres east of Notre Dame Ave. and proceeded west across Notre Dame Ave. From this point the pipeline continued south crossing Turner Ave. and LaSalle Blvd. then west on the south side of LaSalle Blvd. to the end point with the following order of operations: stringing, welding, joint coating, trenching, directional drilling, lowering-in, tie-ins, backfilling, testing and clean-up. . A map of the pipeline route is included in Appendix A.

Union returned to the right-of-way in spring 2018 to complete the following activities: repair any subsidence on the right-of-way, perform a general overview of the right-of-way and complete any additional clean-up that was required.

## **3.0 POTENTIAL IMPACTS AND MITIGATION**

### **3.1 Condition 1.0**

*Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2016-0222 and these Conditions of Approval.*

With exception to the changes indicated in Condition 4.0 of the Post Construction Report, Union has complied with all conditions imposed by the Board during construction of the pipeline and has restored the land according to the evidence in support of its application.

### **3.2     Condition 3.0**

*Union shall implement all the recommendations of the Environmental Protection Plan filed in the proceeding.*

Union implemented all recommendations and mitigation measures outlined in the Environmental Protection Plan (EPP).

### **3.3     Condition 4.0**

*Union Gas shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. Except in an emergency, Union shall not make such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.*

As indicated in the previously filed Post Construction Report, Union submitted 2 “Request to Vary” letters during construction of the project.

- 1) Union Gas forwarded a letter dated June 28, 2017 to the OEB with a “Request to Vary” for the project. The change included;

The need to acquire additional temporary lands in the vicinity of La Salle Boulevard in order to complete directional drilling of La Salle Boulevard.

- 2) Union Gas forwarded a letter dated October 11, 2017 to the OEB with a “Request to Vary” for the project. The change included;

Union proposed to change the wall thickness of the pipe used for the Project. from 6.4 mm to 7.1 mm. Union was unable to purchase 6.4 mm pipe and purchased the 7.1 mm pipe instead. This change in wall thickness is allowed under the CSA code and TSSA regulations.

Copies of the letters were included in the Post Construction Report.

### **3.4 Condition 6.0**

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

- a) post construction report, within three months of the in-service date, which shall:*
  - i. provide a certification, by a senior executive of the company, of Union's adherence to Condition 1;*
  - ii. described any impact or outstanding concerns identified during construction*
  - iii. describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of the construction;*
  - iv. include a log of all complaints received by Union, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions and;*
  - v. provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences and certificates required to construct, operate and maintain the proposed project.*

The previously filed Post Monitoring Report included the required certifications from a senior executive, described the construction effects and general mitigation measures employed during construction and provided a description of the successfully completed monitoring programs initiated both prior to and during construction.

- b) a final monitoring report, no later than fifteen months after the in-service date or where the deadline falls between December 1 and May 31, following June 1, which shall:*
  - i. provide a certification, by a senior executive of the company, of Union's adherence to Condition 3;*



Michelle George, Vice President of Engineering has certified that the company has implemented all recommendations and mitigation measures outlined in the Environmental Protection Plan (EPP). The signed letter of confirmation can be found in Appendix C.

- ii describe the condition of any rehabilitated land;*
- iii describe the effectiveness of any actions taken to prevent or mitigate and identified impacts of construction.*
- iv include the results of any analyses and monitoring programs and any recommendations arising therefrom; and*

The entire right of way and in particular areas in close proximity to the watercourses were checked for stability, subsidence and vegetation re-establishment in spring of 2018 and found to be successfully rehabilitating and protected with proper sediment control devices to aid in the rehabilitation process. No deficiencies in compliance were identified. No post construction monitoring programs were required or performed.

- v include a log of all complaints received by Union, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rational for taking such actions.*

To date no complaints have been received by Union Gas for the Sudbury Maley Drive Replacement Project constructed under Board Order EB-2016-0222. Union will continue to monitor the state of the land and environment and will address any additional landowner concerns, if they should arise.

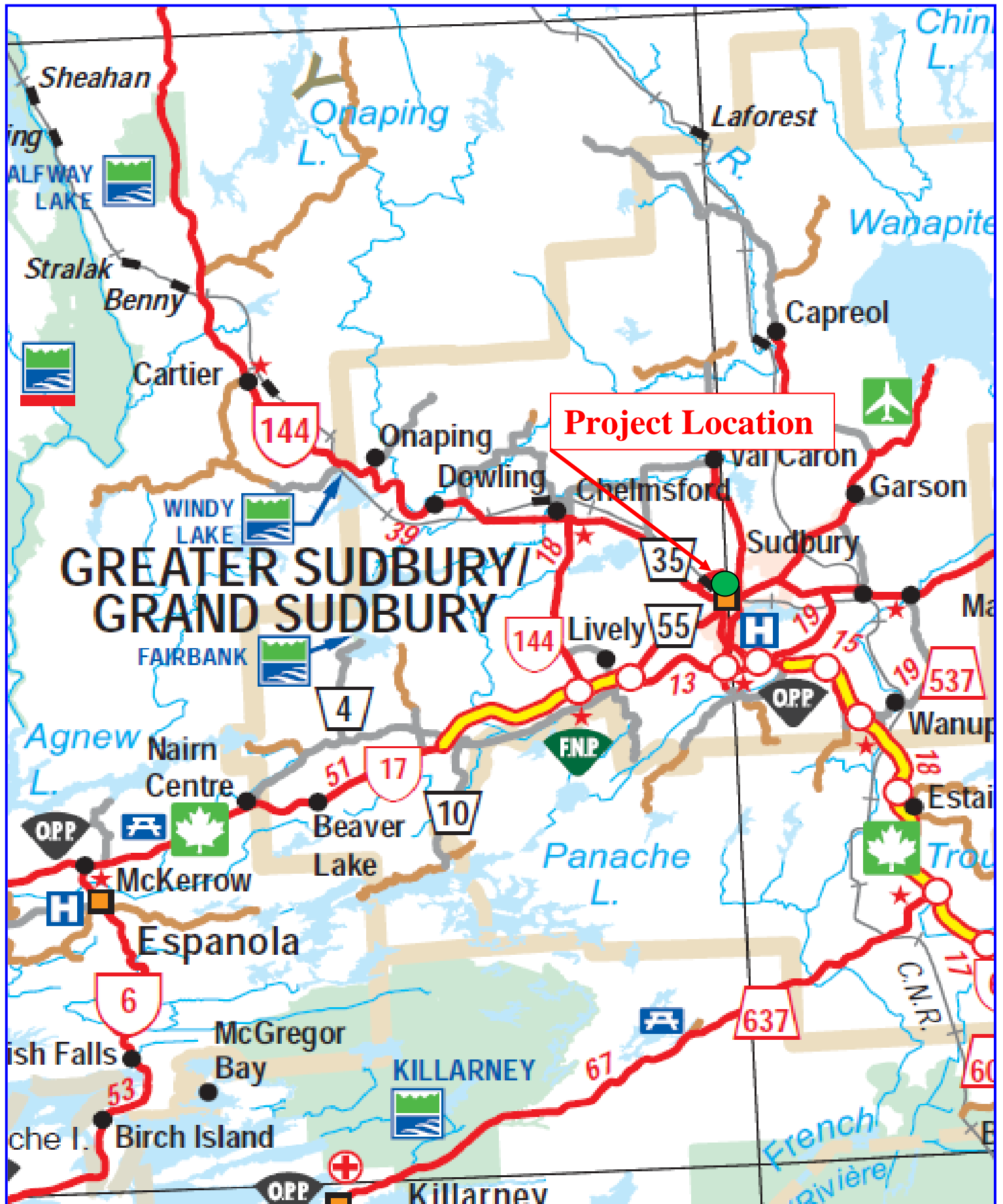
## **4.0 SUMMARY**

This Final Monitoring Report has been prepared as per conditions in the Board Order EB-2016-0222. The report in conjunction with the previously filed Post Construction Report provides an outline of Unions' compliance with the commitments of its witnesses, the measures implemented during construction to minimize disturbance to the environment and a description of Unions' monitoring programs. It is anticipated that these measures will effectively eliminate any long-term impacts to the environment.

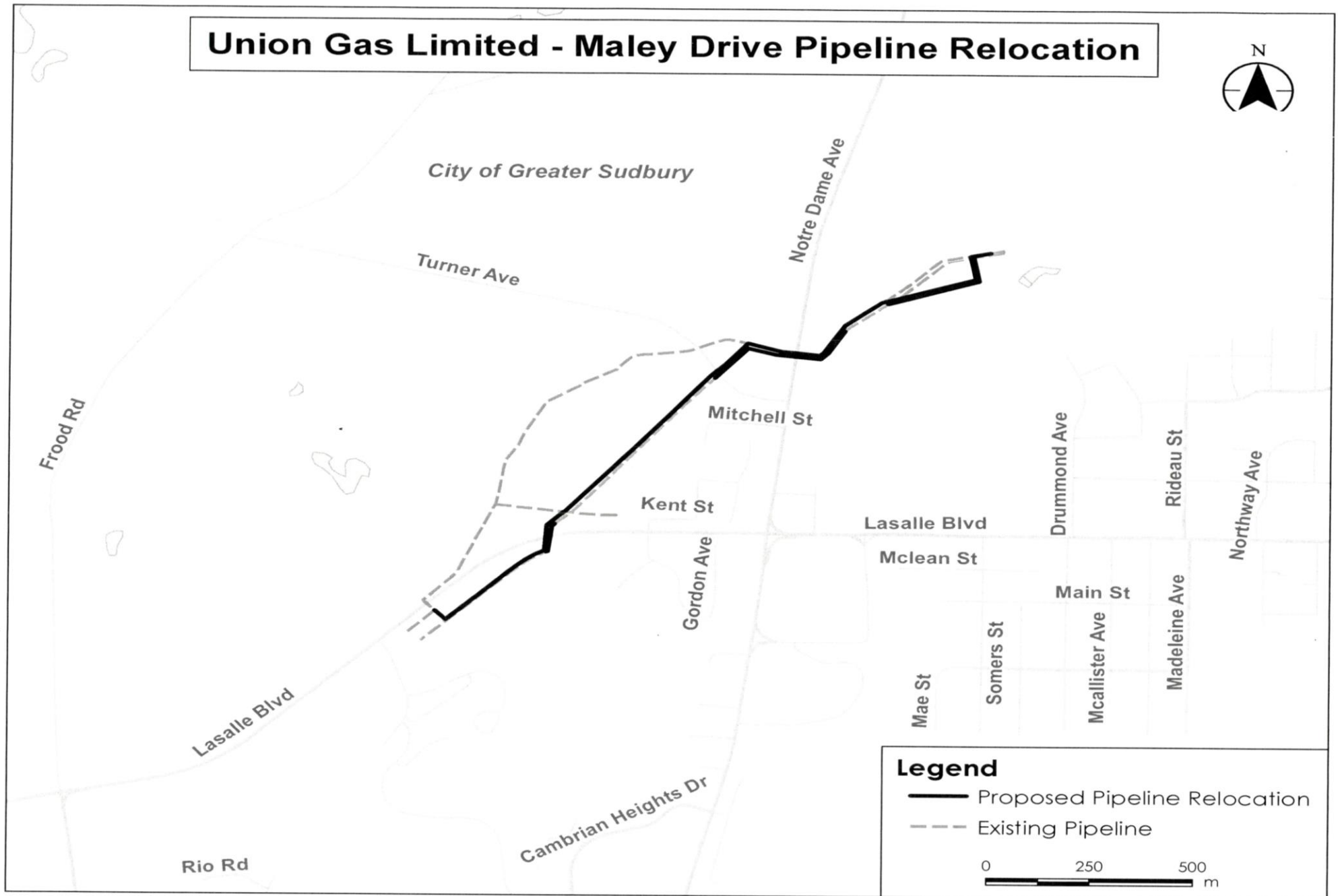
# **Appendix A**

## **Location Maps**

# GENERAL LOCATION MAP SUDBURY MALEY DRIVE REPLACEMENT



# GENERAL LOCATION MAP SUDBURY MALEY DRIVE REPLACEMENT PROJECT



## **Appendix B**

### **Conditions of Approval**

**Leave to Construct Conditions of Approval**  
**Application under Section 90 of the *Ontario***  
***Energy Board Act, 1998***  
**Union Gas Limited**  
**EB-2016-0222**

1. Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2016-0222 and these Conditions of Approval.
2.
  - a) Authorization for leave to construct shall terminate 12 months after the decision is issued, unless construction has commenced prior to that date.
  - b) Union shall give the OEB notice in writing:
    - i. of the commencement of construction, at least 10 days prior to the date construction commences;
    - ii. of the planned in-service date, at least 10 days prior to the date the facilities go into service;
    - iii. of the date on which construction was completed, no later than 10 days following the completion of construction; and
    - iv. of the in-service date, no later than 10 days after the facilities go into service.
3. Union shall implement all the recommendations of the Environmental Protection Plan filed in the proceeding.
4. Union shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. Except in an emergency, Union shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.
5. Union shall file, in the proceeding where actual capital costs of the project are proposed to be included in rate base, a Post Construction Financial Report, which shall indicate the actual capital costs of the project and shall provide an explanation of any significant variances from the cost estimates filed in this proceeding.
6. Both during and after construction, Union shall monitor the impacts of construction, and shall file with the OEB one paper copy and one electronic (searchable PDF) version of each of the following reports:
  - a) a post construction report, within three months of the in-service date, which shall:

- i. provide a certification, by a senior executive of the company, of Union adherence to Condition 1;
  - ii. describe any impacts and outstanding concerns identified during construction;
  - iii. describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of construction;
  - iv. include a log of all complaints received by Union, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions; and
  - v. provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project.
- b) a final monitoring report, no later than 15 months after the in-service date, or, where the deadline falls between December 1 and May 31, the following June 1, which shall:
- i. provide a certification, by a senior executive of the company, of Union adherence to Condition 3;
  - ii. describe the condition of any rehabilitated land;
  - iii. describe the effectiveness of any actions taken to prevent or mitigate any identified impacts of construction;
  - iv. include the results of analyses and monitoring programs and any recommendations arising therefrom; and
  - v. include a log of all complaints received by Union, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions.



## **Appendix C**

### **Executive Certification**



SUDBURY MALEY DRIVE REPLACEMENT PROJECT  
EB-2016-0222

I hereby certify Union Gas Limited has complied with the Decision and Order, Schedule B, EB-2016-0222, Condition 3

Feb 12, 2019

Date

Michelle George

Michelle George

Vice President, Engineering

Enbridge Gas Inc. – Operating as Union Gas

Condition 3

*Union shall implement all the recommendations of the Environmental Protection Plan in the proceeding.*