

February 7, 2017

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
2016 Leamington Expansion Project
Board File # EB-2016-0013**

Pursuant to Condition 6 (b) i. – v. of the Board's Conditions of Approval for the above-noted project, attached please find post construction report. This report replaces the previously filed on January 27, 2017. A typographic error has been corrected.

Sincerely,

[original signed by]

Shelley Bechard
Administrative Analyst, Regulatory Projects

cc: Zora Crnojacki
Nancy Marconi
Regulatory Library

**LEAMINGTON EXPANSION PROJECT
POST CONSTRUCTION REPORT
EB-2016-0013**

Prepared by: Union Gas Limited
Environmental Planning
January 2017

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Post Construction Report

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1.0 INTRODUCTION

This Post Construction Report is provided in compliance with the Ontario Energy Board (“Board”) Order EB-2015-0013 granting Union Gas Limited (“Union”) “Leave to Construct” approximately 6.7 kilometres of NPS 12 natural gas pipeline, 250 metres of NPS 16 natural gas pipeline, 60 metres of NPS 8 natural gas pipeline and ancillary facilities, in the Municipality of Leamington, in the County of Essex.

The pipeline was constructed in response to requests for additional natural gas distribution service from greenhouse growers in the Leamington, Kingsville, Mersea Township and Gosfield South areas and to ensure the continued efficient operation of the Union pipeline system looping the existing North Leamington Line from the County Road 14 Station to County Road 18. The NPS 12 inch pipeline commenced at the County Road 14 Station and proceeded south along an abandoned railway bed that the City of Leamington developed into a recreational trail, to the new station north of County Road 18. From the new station the NPS 16 inch pipeline traveled south for approximately 250 metres and connected to the existing 10-inch and 6-inch diameter pipelines on County Road 18. The 60 metres of new NPS 8 inch pipeline was connect from an existing NPS 8 inch pipeline located west of the new NPS 12 pipeline and tied into the new station.

The requirements for and details of this report are outlined in the specific conditions issued by the Board in its Order dated June 29, 2016 as listed below. The Conditions of Approval can be found in Appendix B.

Accordingly, the purpose of this Post Construction 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-2016-0013 and these Conditions of Approval.

3.0 *Union shall implement all the recommendations of the Environmental Report filed in the proceeding, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.*

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.*

6.0 *Both during and after construction, Union Gas shall monitor the impacts of construction, and shall file with the Board 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 rationale for taking such actions and;*
- v. provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences and certificates required to construct, operate and maintain the proposed project.*

b) a final monitoring report, no later than fifteen months after the in-service date or where the deadline falls between December 1 and May 31, 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 rationale for taking such actions.*

2.0 BACKGROUND

Union was granted approval to construct the Leamington Expansion Project on June 29, 2016. Construction began on July 2, 2016 with pipeline placed into service on October 28, 2016 and cleanup for the year completed on December 13, 2016. Construction commenced from the north at the County Road 14 Station and progressed in a southerly direction to County Road 18 with the following order of operations: stringing, welding, joint coating, trenching, directional drilling, lowering-in, tie-ins, backfilling, testing and clean-up.

Union will return to the right-of-way in spring 2017 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 Board's Decision and Order in EB-2015-0013 and these Conditions of Approval.

With exception to the changes indicated in Condition 4.0, 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 Report filed in the proceeding, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.

Union has implemented all recommendations and mitigation measures outlined in the Environmental Study Report (ER) along with all directives identified by the OPCC.

3.3 Condition 4.0

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

Union Gas forwarded a letter dated July 12, 2016 to the OEB with two (2) “Requests to Vary” for the project. The changes included;

- 1) To connect the proposed pipeline to the existing Mersea Rd 6 Station. The Mersea Rd 6 Station is along the pipeline route and the new connection would allow operational flexibility such that the station can be fed from the new NPS 12 pipeline or the existing NPS 8 Leamington North pipeline.
- 2) Union proposed to change the installation method for the crossing of County Road 18 from a directional drill to an open cut. Due to the complexity of the horizontal directional drill and the number of existing utilities along County Road 18 and the tie-in location just off the shoulder of the road, an open cut of County Road 18 was the preferred construction technique.

Copies of the letters sent to the Ontario Energy Board informing them of the changes can be found in Appendix C.

3.4 Condition 6.0

Both during and after construction, Union Gas shall monitor the impacts of construction, and shall file with the Board 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;*

One paper copy and one electronic (searchable PDF) version of this Post Construction Report is provided to the Board. This report is certified by Paul Rietdyk, Vice President of Engineering, Construction and STO, confirming that Union has constructed the facilities and restored the land in accordance with the Board's Decision and the Conditions of Approval in Order EB-2016-0013. The letter of certification can be found in Appendix D.

- 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;*

Table 1 summarizes the construction effects and general mitigation measures carried out during construction. All mitigation techniques used throughout construction will also be implemented during cleanup activities as required.

3.4.1 Monitoring Programs

3.4.1.1 Archaeological Assessment

Union retained the services of Timmins Martelle Heritage Consultants to conduct a Stage 1 and Stage 2 archaeological assessment study along the entire pipeline route. Based on the Stage 1 assessment it was determined that there was archaeological potential in the study area and therefore a Stage 2 assessment would be necessary. The Stage 2 assessment was conducted November 12 and 13 and December 3, 2015 and resulted in no discoveries of archaeological resources. No artifacts were discovered during construction.

3.4.1.2 Watercourse Monitoring

It was necessary to cross nine (9) watercourses regulated by the Essex Region Conservation Authority as part of the project. Eight (8) crossings were performed using the horizontal directional drill (HDD) method and one (1) using the dam and pump method under permits acquired from the Essex Region Conservation Authority.

Watercourses were protected prior to, during and following construction by installing sediment fencing, and erosion control matting. Disturbed areas adjacent to the watercourses were seeded immediately following the installation of the pipeline.

Watercourses that were susceptible to erosion were checked after excessive rainfall to verify the effectiveness of the sediment control devices. These watercourses will be reviewed for stability and vegetation re-establishment in the spring of 2017.

3.4.1.3 Soil Testing

Prior to construction, Union conducted soil sampling on agricultural lands along the pipeline route. Soil samples were taken and analyzed for Soybean Cyst Nematode (SCN). SCN is a microscopic worm-like organism found in soils and

obtain their nutrients by feeding on the root systems of soybeans. Results indicated that SCN was not present on any of the properties tested.

3.4.1.4 Water Well Monitoring

Prior to construction, Union retained the services of Stantec Consulting Limited (Stantec) to undertake a water well monitoring program along the entire pipeline route. The purpose of the program was to establish baseline groundwater conditions for comparative purposes should groundwater interference complaints arise as a result of the construction or operation of the pipeline.

Stantec delivered letters to all potential residences/businesses within 100 m of the proposed pipeline installation. Based on discussions with residents and observations from the field, it was interpreted that all locations were supplied by municipal water.

- 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:*

Union's Complaint Tracking System which identifies the current status of landowner complaints received as a result of pipeline construction, was in effect. A complaint is identified as a concern raised by a landowner that has not been resolved to the landowner's satisfaction within three (3) working days.

During construction, a few concerns were raised to Union and their Contractor. These issues were minor in nature and were dealt with by Union and the Contractor in an expeditious manner. Union will continue to monitor the state of the land and environment and will address any additional landowner concerns if they should arise.

- 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.*

Paul Rietdyk, Vice President of Engineering Construction and STO, has certified that the company has obtained all other approvals, permits, licences, and certificates required to obstruct, operate and maintain the project and is confirmed by their signed letter of approval found in Appendix D.

Union Gas obtained the following environmental permits for construction:

❖ **Essex Region Conservation Authority - Watercourse Crossings**

- For Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Ontario Regulation 148/06.
- Letter of Clearance - # 56-15- 500-3500
- Application for Permit - No. 286/16 - Watercourse Crossings
- Conservation Area Use Permit # 16-01

❖ **Ministry of Tourism, Culture and Sport**

- **Letter of Compliance - File Number PI00362**

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;*
- 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 rationale for taking such actions and:*

A final monitoring report will be prepared to evaluate the success of the monitoring programs and if necessary outline areas in need of additional restoration as well as any outstanding issues if they should arise.

4.0 SUMMARY

This Post Monitoring Report has been prepared as per conditions in the Board Order EB-2016-0013. The 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.

“Table 1”

Potential Impacts and Mitigation Measures

TABLE 1: MITIGATION SUMMARY

Issue	Potential Impact	Proposed Mitigation
a) Archaeology	Disturbance to cultural heritage resources.	<ul style="list-style-type: none"> Following a Stage 1 and Stage 2 assessment, it was determined the area had a low archaeological potential. No artifacts were found during construction.
b) Species At Risk (SAR)	Encountering SAR	<ul style="list-style-type: none"> Followed recommendations outlined in Environmental Report and the Ministry of Natural Resources Letter of Advice.
c) Landowner Concerns	Disruption to landowners and tenants	<ul style="list-style-type: none"> Union provided the landowners/tenants with the telephone numbers of Company personnel. A Landowner Relations Program was established to track complaints during construction. To date there have been no complaints entered into the complaint tracking system.
d) Watercourses	Water quality concerns	<ul style="list-style-type: none"> Union adhered to Company specifications for watercourse crossings. Union obtained permits from the Essex Region Conservation Authority.
e) Road Side Ditches	Water quality concerns	<ul style="list-style-type: none"> Ensured ditches were returned to pre-construction condition as quickly as possible.
f) Paved Driveways and Roadways	Disruption to local traffic, landowners and tenants	<ul style="list-style-type: none"> All paved roadways and driveways were bored if practical. If it was not possible to bore driveways and roads, steel plates were on site to provide access to landowners and tenants. Union maintained one lane of traffic open if possible. Traffic controls were implemented as required. Driveways were repaired as soon as possible.
g) Public Safety	Public safety concerns	<ul style="list-style-type: none"> During construction it was necessary to close portions of the recreational trail. Signage and fencing were used to restrict the use of the trail. Company inspectors ensured public safety on construction site. Ensured proper signage and flag persons if required.
h) Construction Equipment	Disruption to landowners and tenants	<ul style="list-style-type: none"> Equipment was stored well off road shoulders or in a nearby yard when not in use.
i) Construction Noise	Disturbance to landowners and tenants	<ul style="list-style-type: none"> Construction was carried out during daylight hours whenever possible. Ensured equipment was properly muffled.

Issue	Potential Impact	Proposed Mitigation
j) Traffic	Disruption to local citizens	<ul style="list-style-type: none"> • At least one lane of traffic was maintained at all times. • Flag persons and warning devices were used to notify traffic of the construction zone in accordance with Ministry of Transportation standards.
k) Fuel Storage and Handling	Improper fuel storage and handling may cause spillage and possible contamination of soil.	<ul style="list-style-type: none"> • Fuel was not stored near watercourses (i.e. Within 100 metres) • Spill clean-up materials were stored on site and available in the event of a spill. Spills or leakage were to be reported to the appropriate authority immediately (Ministry of the Environment Spills Action Centre at 1-800-268-6060) • No reportable spills were recorded during construction.

Appendix A

Location Map

GENERAL LOCATION MAP LEAMINGTON EXPANSION PROJECT





Appendix B

Conditions of Approval

Leave to Construct
Conditions of Approval
Application under Section 90 of the OEB Act
Union Gas Limited
EB-2016-0013

1. Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2016-0013 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 planned in-service date, at least ten days prior to the date the facilities go into service;
 - ii. of the date on which construction was completed, no later than 10 days following the completion of construction; and
 - iii. 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 Report filed in the proceeding, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.
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 the 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 for 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's adherence to Condition 1;

- ii. describe any impacts and outstanding concerns identified during construction;
- iii. describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of construction;
- iv. include a log of all complaints received by 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 fifteen months after the in-service date, or, where the deadline falls between December 1 and May 31, the following June 1, which shall:

- i. provide a certification, by a senior executive of the company, of 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 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.

- 7. The edge of the pipeline wall, for the entire co-location of Union's pipeline and Hydro One's transmission towers, shall be at least 4 metres from the footing of each Hydro One tower.
- 8. Union and Hydro One shall enter into a written agreement whereby Union agrees to the commitment set out in Condition of Approval 7.

Appendix C

Letters to the OEB – Change to Construction

July 12, 2016

RESS

Ms. Pascale Duguay
Facilities Applications
Ontario Energy Board
2300 Yonge Street, Suite 2700
Toronto, Ontario
M4P 1E4

Dear Ms. Duguay:

**Re: Union Gas Limited ("Union")
2016 Leamington Expansion Project
Board File # EB-2016-0013**

Please find attached two Change Requests for the above-noted project.

Union believes that these changes are not significant and would appreciate your timely review and approval of these requests.

In the event that you have any questions or would like to discuss in more detail, please do not hesitate to contact me at 519-436-5457.

Sincerely,

W. T. (Bill) Wachsmuth, RPF
Senior Administrator, Regulatory Projects

cc: Zora Crnojacki, OEB Project Advisor

ONTARIO ENERGY BOARD
LEAVE TO CONSTRUCT CHANGE REQUEST

Project Name: 2016 Leamington Expansion Project
OEB File Number: EB-2016-0013
Change Request: #1

Description and Rationale for Change

Union is planning to connect the proposed pipeline to the existing Mersea Rd 6 Station. The Mersea Rd 6 Station is along the pipeline route and the new connection will allow operational flexibility such that the station can be fed from the new NPS 12 pipeline or the existing NPS 8 Leamington North pipeline.

Construction and Restoration Practices

There will be no additional construction or restoration practices other than those identified in Union's pre-filed evidence.

Environmental

No new environmental mitigation measures will be required.

Consultation

Union has discussed this change with the Municipality of Leamington and they have not identified any issues associated with this change.

Lands

No new additional land rights are required.

Costs

The addition of this work results in an estimated \$100,000 increase. These additional costs will be recovered from the contingency identified in Union's pre-filed evidence.

Schedule

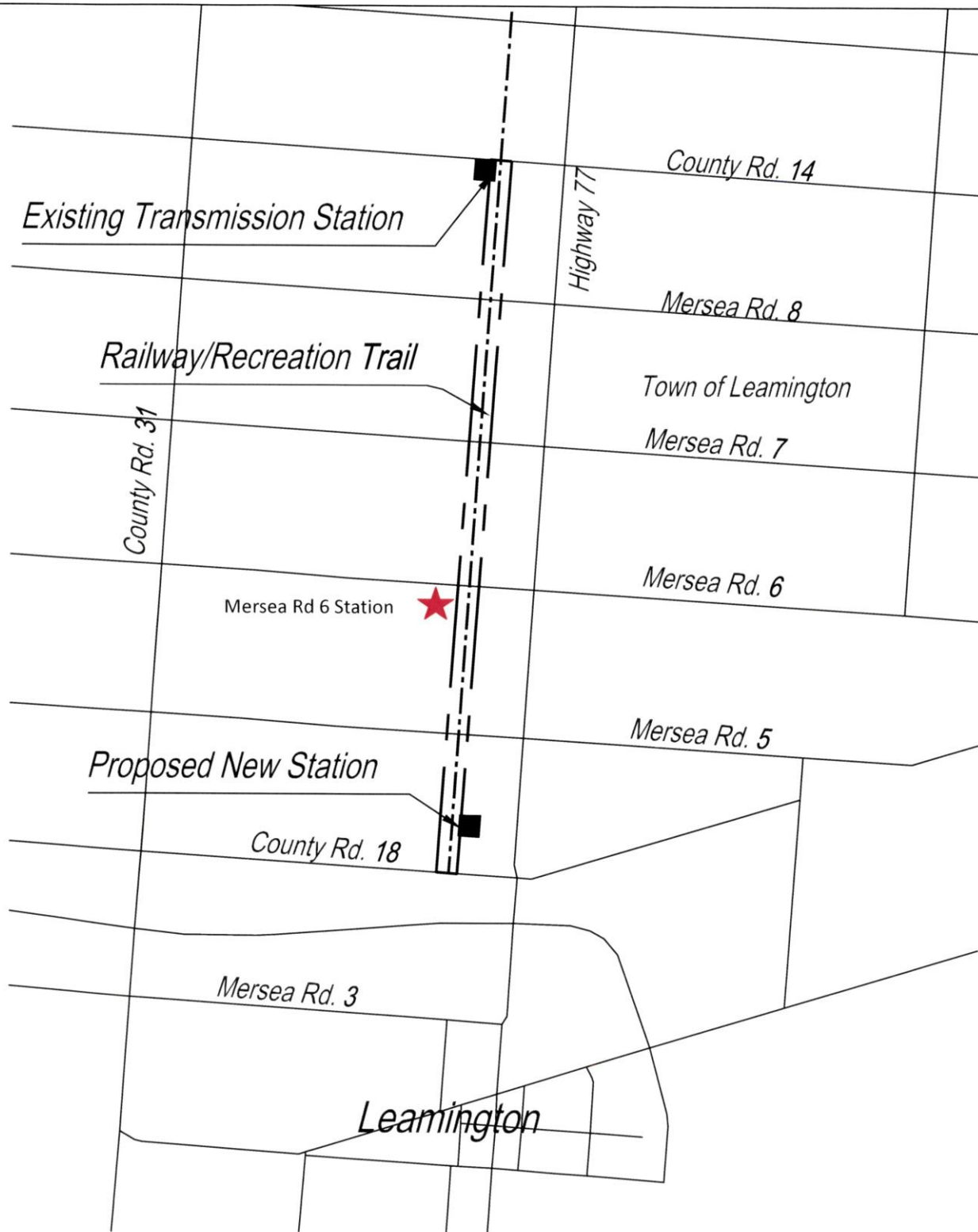
This work can be completed within the current project schedule.

Maps

A map showing the location of the Mersea Rd 6 Station is attached at Schedule 1.

Town of Leamington Phase II Pipeline Project

EB-2016-0013
Change Request 1
Schedule 1



600m 0 1200m
HORIZONTAL SCALE 1:40,000

LEGEND:
--- Proposed Pipeline Route

ONTARIO ENERGY BOARD

LEAVE TO CONSTRUCT CHANGE REQUEST

Project Name: Leamington Expansion Phase II Project

OEB File Number: EB-2016-0013

Change Request: #2

Description and Rationale for Change

Union is proposing to change the installation method for the crossing of County Road 18 from a directional drill to an open cut. Due to the complexity of the horizontal directional drill and the number of existing utilities along County Road 18 and the tie-in location just off the shoulder of the road an open cut of County Road 18 is now the preferred construction technique.

Construction and Restoration Practices

The construction and restoration of County Road 18 will follow Union's standard construction practices. Union will also follow the County of Essex's standards for open cutting a County Road.

Environmental

As there is a regulated watercourse adjacent to County Road 18 Union requires a permit from Essex Region Conservation Authority ("ERCA") to install the road crossing using an open cut method. A copy of the permit from ERCA is attached as Schedule 1.

Consultation

Union has consulted with the County of Essex and the Municipality of Leamington and ERCA. Union will also work with MTO to develop alternate routes for when County Road 18 will be closed. There have been no concerns identified with this proposed change.

Lands

No additional land rights are required.

Costs

The addition of this work results in an estimated \$25,000 increase. These additional costs will be recovered from the contingency identified in Union's pre-filed evidence.

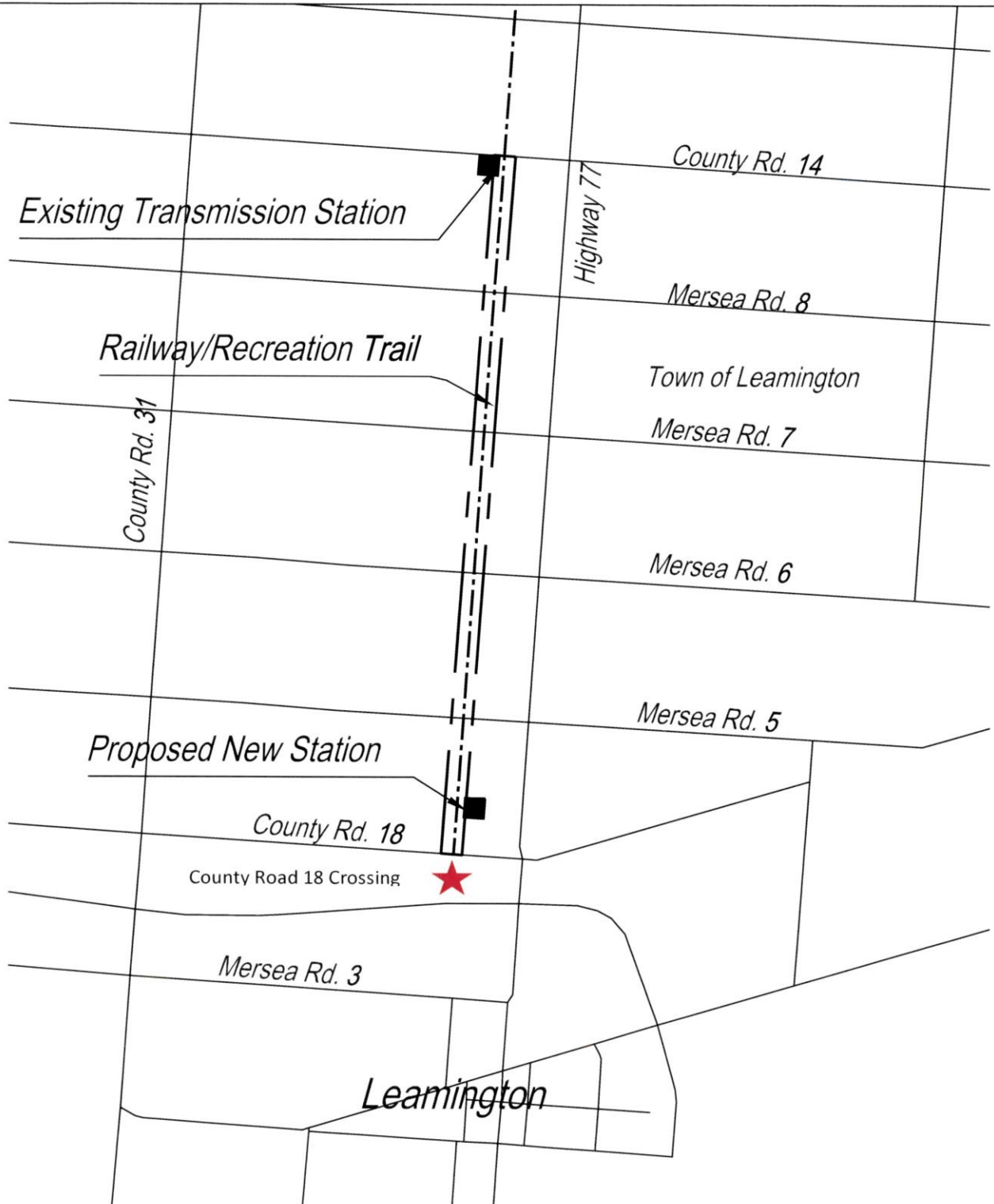
Schedule

This work can be completed within the current project schedule.

Maps

A map showing the location of the County Road 18 crossing is attached at Schedule 2.

EB-2016-0013
Town of Leamington Phase II Pipeline Project Change Request 2
Schedule 2



600m 0 1200m
HORIZONTAL SCALE 1:40,000

LEGEND:
- - - Proposed Pipeline Route

**Ontario Energy
Board**
P.O. Box 2319
2300 Yonge Street
27th Floor
Toronto ON M4P 1E4
Telephone: 416-481-1967
Facsimile: 416-440-7656
Toll free: 1-888-632-6273

**Commission de l'énergie
de l'Ontario**
C.P. 2319
2300, rue Yonge
27^e étage
Toronto ON M4P 1E4
Téléphone: 416-481-1967
Télécopieur: 416-440-7656
Numéro sans frais: 1-888-632-6273



BY E-MAIL

July 20, 2016

W.T. Wachsmuth
Senior Administrator, Regulatory Projects
Union Gas Limited
50 Keil Drive North
P.O. Box 2001
Chatham ON N7M 5M1
bwachsmuth@uniongas.com

Dear Mr. Wachsmuth:

**Re: Union Gas Limited
2016 Leamington Expansion Project
Change Requests
Board File No. EB-2016-0013**

The Ontario Energy Board (OEB) is in receipt of your letter dated July 12, 2016. In the letter, Union requested approval of two changes to the Leamington Expansion Project.

The first change is to connect the pipeline to the existing Mersea Road 6 Station, which is along the pipeline route. The second change is to use the open cut technique for the installation of the pipeline crossing County Road 18 instead of using directional drilling.

As the Manager, Applications Policy and Climate Change, I have been delegated the authority of the OEB under Section 6 of the *Ontario Energy Board Act, 1998* to determine whether Union's proposals will result in material changes to the leave to construct granted by the OEB in the EB-2016-0013 proceeding. I have been further granted the authority to approve any changes that I have concluded are not material.

You indicated that for the first change there are no additional construction or restoration practices, no new environmental mitigation measures are required, and no additional land rights are required. In addition, you noted that Union consulted with the Municipality of Leamington and the Municipality has no concerns. The cost associated with this change is \$100,000, which the contingency for this project would cover.

You provided information on the impact of the second change in both the change request letter and in your response to questions from the OEB. You noted that Union will follow its standard construction practices and the County of Essex's standards for open cutting a County Road. In addition, you noted that Union received the necessary permits, approvals, and authorizations from the Essex Region Conservation Authority, the Municipality of Leamington, the County of Essex, and the Ministry of Transportation. Also, you noted that no additional land rights are required and the cost associated with this change is \$25,000.

Based on my review of the information provided, I find that the described changes do not materially impact the leave granted by the OEB to construct the pipeline. I hereby approve the two proposed changes.

Yours truly,

Original signed by

Pascale Duguay
Manager, Applications Policy and Climate Change

Appendix D

Executive Certification



2016 Leamington Expansion Project

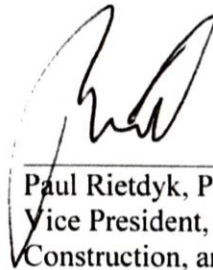
EB-2016-0013

Decision and Order

June 29, 2016

I hereby certify Union Gas Limited has complied with the Decision and Order, Appendix B, EB-2016-0013, Section 6 (a) (i).

Jan 25, 2017
Date



Paul Rietdyk, P.Eng.
Vice President, Engineering,
Construction, and Storage &
Transmission Operation,
Union Gas Limited

Condition 6 a) i.

- 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;

Condition 1

Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the Board's Decision and Order in EB-2016-0013 and these Conditions of Approval.



2016 Leamington Expansion Project

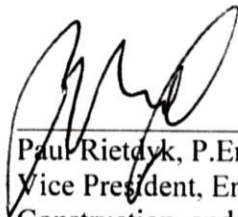
EB-2016-0013

Decision and Order

June 29, 2016

I hereby certify Union Gas Limited has complied with the Decision and Order, Appendix B, EB-2016-0013, Section 6 (a) (v).

Jan 25th, 2017
Date



Paul Rietdyk, P.Eng.
Vice President, Engineering,
Construction, and Storage &
Transmission Operation,
Union Gas Limited

Condition 6 (a) (v).

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

Appendix E

Photo Inventory



As the easement was an existing recreation trail, no topsoil stripping was necessary therefore the pipe could be strung out along the easement at the beginning of construction.



Following the stringing operation the pipe sections are welded together



All welds are x-rayed to ensure the safety and integrity of the pipeline.



After two sections of pipe have been welded together, the joints are sand blasted to remove any impurities and rust and then an epoxy coating applied. For safety, the worker must wear protective clothing and a helmet with a



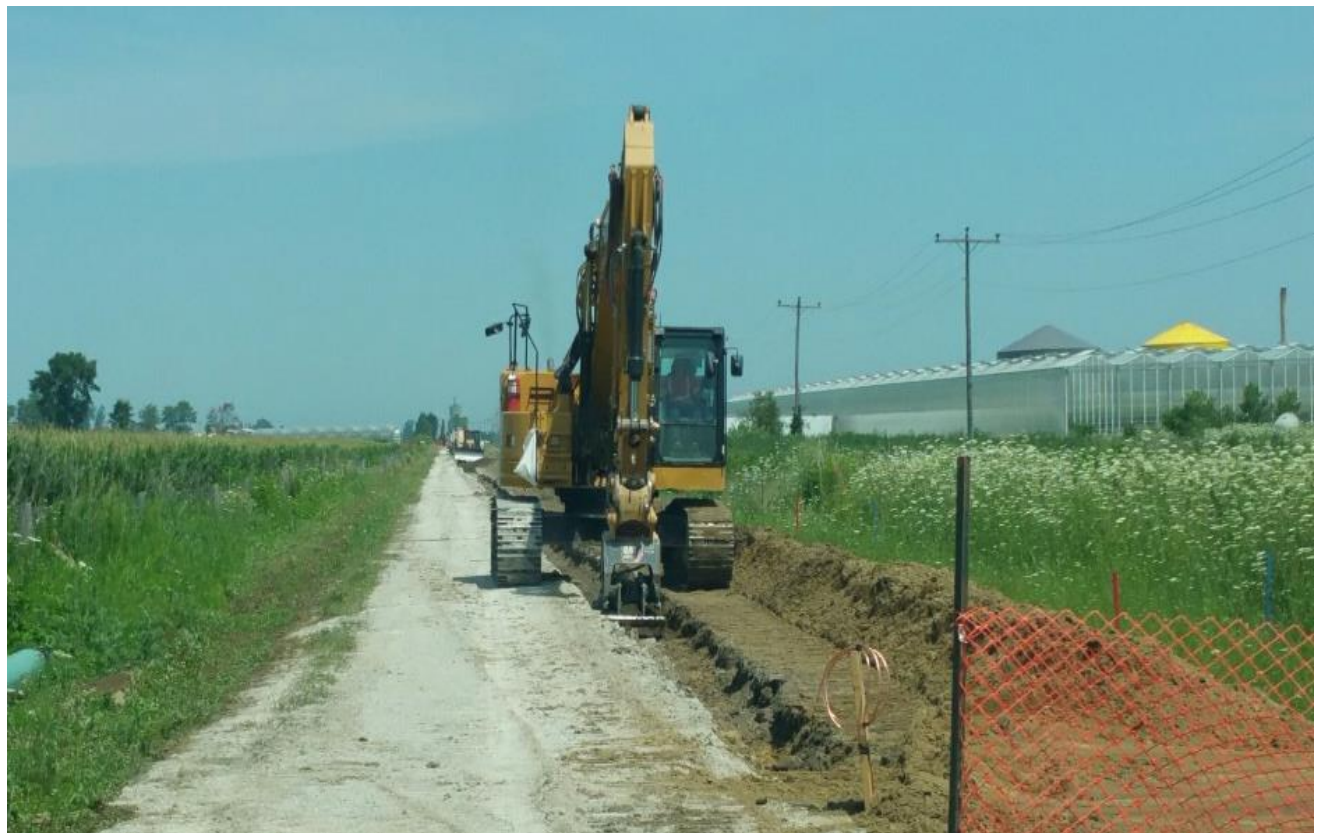
A trenching machine was used for digging allowing for a quicker and cleaner excavation with less excavated material and the installation of long uninterrupted sections of pipeline.



Prior to lowering of the pipe into the trench or while installing the pipeline during a directional drilling operation, the pipe is “jeeped”. An electrically charged spring is wrapped around the pipe and can detect minute flaws in the coating. If detected, the flaws are immediately repaired.



Once the pipeline has been welded, the joints coated and “jeeped”, it is lowered into the trench.



Following backfill the material was compacted with a “tapping” attachment on the excavator. This will minimize the possibility of subsidence on the recreational trail,



Following construction the trail was re-established and opened to the public.



The trail will be inspected in the spring of 2017 at which time any re-vegetation or other general cleanup will be

Undertaken.