



**Rakesh Torul**  
Technical Manager  
Regulatory Applications  
Regulatory Affairs

tel 416-495-5499  
EGIRegulatoryProceedings@enbridge.com

**Enbridge Gas Inc.**  
500 Consumers Road  
North York, Ontario M2J 1P8  
Canada

January 22, 2020

**VIA EMAIL, RESS and COURIER**

Ms. Christine E. Long  
Board Secretary  
Ontario Energy Board  
2300 Yonge Street, 27th Floor  
Toronto, ON M4P 1E4

Dear Ms. Long:

**Re: Enbridge Gas Inc. (Enbridge Gas)**  
**Ontario Energy Board (Board) File No.: EB-2019-0172**  
**Windsor Pipeline Replacement Project – Updated Evidence**

Further to the application and evidence filed by Enbridge Gas on August 9, 2019, enclosed please find the following updated exhibit in the above noted proceeding.

<b>Exhibit</b>	<b>Updates</b>
Exhibit B, Tab 1, Schedule 8	Paragraph 4 has been updated to reflect the receipt of the Indigenous engagement activities letter (sufficiency letter) provided to Enbridge Gas by the Ministry of Energy, Northern Development and Mines ("MOENDM"), on January 20, 2020.
Exhibit B, Tab 1, Schedule 8, Attachment 3	The sufficiency letter from the MOENDM will update Exhibit B, Tab 1, Schedule 8, Attachment 3.

Please contact the undersigned if you have any questions.

Yours truly,

(Original Signed)

Rakesh Torul  
Technical Manager, Regulatory Applications

EXHIBIT LIST

A – ADMINISTRATION

EXHIBIT   TAB   SCHEDULE   DESCRIPTION

A	1	1	Exhibit List
	2	1	Application

B – WRITTEN EVIDENCE

B	1	1	Project Summary
		2	Description of Existing System
		3	Proposed Facilities and Alternatives
		4	Project Costs and Economics
		5	Engineering and Construction
		6	Environmental Matters
		7	Land Matters
		8	Indigenous Consultation Report

C – SUPPORTING SCHEDULES

C	1	1	Map of Proposed Facilities
		2	Letters of Support
	2	1	Schematic of High Pressure System
	3	1	System Design Criteria Report
	4	1	Estimated Project Costs
	5	1	Proposed Project Schedule

	2	TSSA Guidelines
	3	CSA Code Section on Abandonment
	4	General Techniques and Methods of Construction
6	1	Environmental Report
	2	Summary of OPCC Review Comments
7	1	Proposed Pipeline Location (Redacted)
	2	Landowner List (Redacted)
	3	Form of Temporary Land Use Agreement
8	1	Indigenous Consultation Report – Summary Tables
	2	Indigenous Consultation Report – Log and Project Correspondence

## **ONTARIO ENERGY BOARD**

**IN THE MATTER OF** The Ontario Energy Board Act, 1998, S.O. 1998, c.15, Schedule B, and in particular, s.90 (1) and s.97 thereof;

**AND IN THE MATTER OF** an Application by Enbridge Gas Inc. for an Order granting leave to construct natural gas pipelines and ancillary facilities in the Municipality of Chatham-Kent and County of Essex.

### APPLICATION

1. Enbridge Gas Inc. (the “Applicant” or “Enbridge Gas”) hereby applies to the Ontario Energy Board (the “OEB” or “Board”), pursuant to Section 90 (1) of the Act, for an Order granting leave to construct approximately 64 kilometres of Nominal Pipe Size (“NPS”) 6 pipeline to replace a section of the existing Windsor NPS 10 pipeline (along with short sections of NPS 8 pipeline) between an interconnect at the existing Enbridge Gas Port Alma Transmission Station (located in the Municipality of Chatham-Kent) Station and the intersection of Concession 8 and County Road 46 (located in the Town of Tecumseh) (“Proposed Pipeline” or “the Project”).
2. Enbridge Gas also applies to the OEB pursuant to Section 97 of the Act for an Order approving the Form of Temporary Land Use Agreement which can be found in the pre-filed evidence at Exhibit C, Tab 7, Schedule 3.
3. Attached hereto as Attachment 1 to this exhibit is a map showing the general location of the Proposed Pipeline and associated facilities and the municipalities, and highways through, under, over, upon or across which the pipeline will pass.
4. The Applicant has determined the proposed NPS 6 pipeline is necessary to replace the existing pipeline due to integrity concerns. The replacement of this section of the



Windsor Line as proposed is the most effective way of managing its ongoing safety and reliability.

5. The route and location for the proposed facilities associated with the Project were selected by an independent environmental consultant through the process outlined in the Ontario Energy Board's "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario*" (7th Edition, 2016) (the "Guidelines"). Input from the public was sought during the route selection process and was incorporated into the final route decision. The parties affected by this Application are the owners of lands, government agencies and municipalities over which the pipeline will be constructed, and Enbridge Gas's distribution customers with respect to quality of service and security of supply. The persons affected by this Application are the customers resident or located in the Municipalities, the First Nation Reserves and Métis organizations served by Enbridge Gas, together with those to whom Enbridge Gas sells gas, or on whose behalf Enbridge Gas distributes, transmits or stores gas. It is impractical to set out in this Application the names and addresses of such persons because they are too numerous.
6. Enbridge Gas requests this Application proceed by way of written hearing in English.
7. Enbridge requests the Board issue the following Orders:
  - (i) pursuant to section 90 of the *Ontario Energy Board Act*, 1988, S.O., 1988, c-15, Schedule B, an Order granting leave to construct the pipelines.
  - (ii) pursuant to section 97 of the *Ontario Energy Board Act*, 1988, S.O. 1988, c-15, Schedule B, an Order approving the form of easement agreements found at Exhibit C, Tab 7, Schedule 3

8. Enbridge Gas requests that all documents in relation to the Application and its supporting evidence, including the responsive comments of any interested party, be served on Enbridge Gas and its counsel as follows:

Mr. Mark Kitchen  
Director, Regulatory Affairs

Telephone: (519) 436-5275  
Fax: (519) 436-4641  
Email: [EGIRegulatoryProceedings@enbridge.com](mailto:EGIRegulatoryProceedings@enbridge.com)

**-and-**

Mr. Guri Pannu  
Senior Legal Counsel, Regulatory

Telephone: (416) 758-4761  
Fax: (416) 495-5994  
Email: [guri.pannu@enbridge.com](mailto:guri.pannu@enbridge.com)

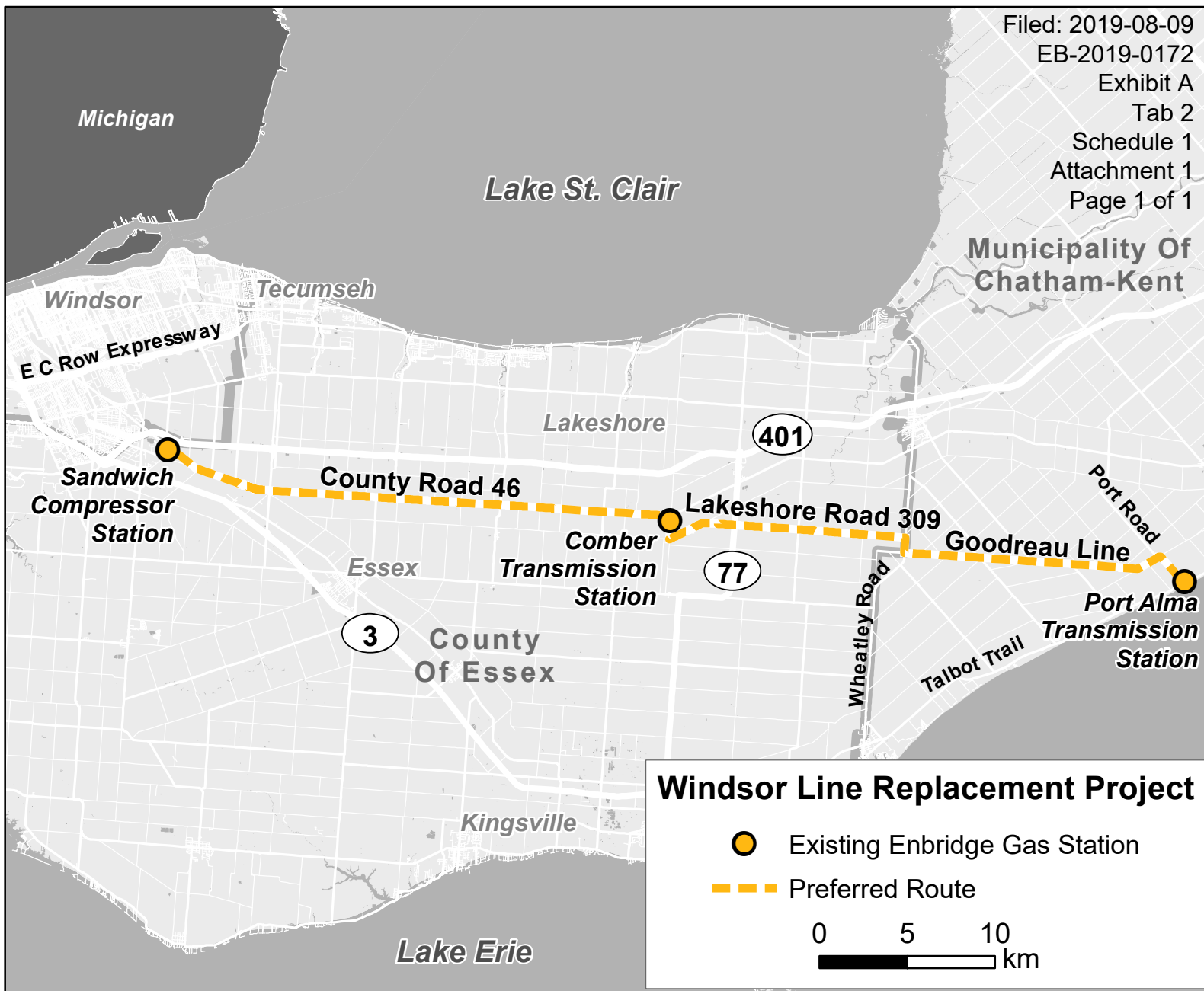
Dated: August 9, 2019

**ENBRIDGE GAS INC.**

*[original signed by]*

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Guri Pannu  
Senior Legal Counsel



## PROJECT SUMMARY

### Purpose and Need for Proposed Facilities

1. Enbridge Gas Inc. ("Enbridge Gas"), pursuant to Section 90. (1) and Section 97 of the *Ontario Energy Board Act* ("the Act"), requests approval from the Ontario Energy Board (the "Board" or "OEB") for leave to construct approximately 64 kilometres of NPS 6 hydrocarbon (natural gas) pipeline, to replace a section of the existing Windsor NPS 10 pipeline (some short sections of NPS 8 pipeline will also be replaced) located in the Municipality of Chatham-Kent and County of Essex (the "Project"). The location of the Project is shown at Exhibit C, Tab 1, Schedule 1.
2. The Windsor Line acts as a trunkline to the local natural gas distribution system providing natural gas service to residents and businesses from Port Alma, in the Municipality of Chatham-Kent to the City of Windsor, located in the County of Essex. There are 399 customers directly served off the section of pipeline being replaced with these 399 customers being a mixture of residential and commercial services.
3. As part of the Enbridge Gas Integrity Management Program and Standard Operating Procedures, the Windsor Line is surveyed and inspected on a regular basis. Leak surveys and emergency valve inspections are completed on an annual basis. The results from these inspections and subsequent analysis have identified multiple integrity and depth of cover issues that could pose safety and security of supply concerns if not addressed. A significant portion of the Windsor Line was installed in the 1930s, 1940s and 1950s, however age alone is not driving the need for replacement.

There are a number of other factors related to its condition that are equally as relevant when considering the need for replacement. Such factors include:

- History of leakage with significant costs to repair
- All joints prior to 2000s were made with unrestrained mechanical couplings; portions of the older vintage pipe are not weldable
- Some sections of the pipeline cannot be isolated because of inoperable mainline valves
- The pipeline has sections that have poor depth of cover with less than 0.6m
- Sections of this pipeline are not located in easement

Based on these concerns and the significant effort and resources spent already repairing leaks, the Windsor Line has been deemed an operational risk. The replacement of the proposed section of the Windsor Line is the most effective way of managing its ongoing safety and reliability.

#### Proposed Facilities

4. Enbridge Gas is proposing to replace approximately 64 kilometres of NPS 10 and NPS 8 pipeline currently operating at a maximum operating pressure ("MOP") of 1380 kPa with 64 kilometres of NPS 6 pipeline operating at a MOP of 3450 kPa. The increase in the operating pressure will require upgrades to services and stations directly connected to the higher operating pressure pipeline. There will be 399 services and 14 stations upgraded, five new stations installed and the abandonment of four existing stations. In areas where it is not practical to remove the existing pipeline it will be abandoned in place. Areas where abandonment in place is likely to occur will be road crossings and water crossings. The TSSA abandonment guidelines and the applicable current edition of CSA code Z662 will be followed for all pipeline abandonment in place. The 399 service connections and service lines will be a mixture of NPS 1 to ½ Copper Tube Size ("CTS") depending on the load of the customer and length of service. Each service will run

from the mainline connection to the building where it is delivering natural gas. For services connected to the 3450 kPa mainline the service will be steel until the first stage pressure regulating cut. The remainder of the service could be steel or plastic.

5. The Project also involves the installation of small plastic main extensions off the NPS 6 mainline in some areas. The installation of the plastic mains, in the same road allowance as the NPS 6 replacement, is being proposed to manage areas where deep drainage ditches exist and the installation of services are significantly more costly or where land could not be obtained to install pressure regulating stations. The Project is proposing to install one of these main extensions in 2019. The scope for this work is approximately 1 km of NPS 6, 2.3 km of NPS 4 and, 2.2 km of NPS 2 plastic pipe and will be constructed in North Woodslee. This main extension will be constructed entirely within road allowance at a combined estimated cost of \$1.4 million. Enbridge Gas is planning to construct the main installations during the fall of 2019 ahead of the proposed NPS 6 mainline construction scheduled for spring 2020. In doing so, this will assist in reducing the extensive workload required to construct 64 kilometers of pipe and to avoid 'time and space' concerns from the Ontario Health and Safety Act.
6. Letters of Support for the Windsor Replacement Project are included at Exhibit C, Tab 1, Schedule 2.
7. The total estimated cost of the Project is approximately \$106.8 million. This total includes indirect overheads. Without indirect overheads included, the total estimated cost is \$92.7 million.

8. Enbridge Gas has discussed the Project with the directly affected landowners along the route of the pipeline and no significant issues have been identified. Enbridge Gas has also informed all of the adjacent landowners about the Project.
9. Enbridge Gas has completed an Environmental Report for the Project, which is filed as Exhibit C, Tab 6, Schedule 1. The Environmental Report did not identify any long term significant environmental impacts as a result of the Project.
10. Enbridge Gas contacted the Ontario Ministry of Energy, Northern Development and Mines ("MENDM") to determine if there are any Duty to Consult requirements for the Project. The details of Enbridge Gas' correspondence with the MENDM and the consultation process can be found in Exhibit B, Tab 1, Schedule 8.
11. Enbridge Gas is proposing to complete the replacement of this pipeline during 2020. In order to accommodate this, Enbridge Gas respectfully requests OEB approval by February 2020.

### DESCRIPTION OF EXISTING SYSTEM

1. The Windsor Line starts at the Port Alma Station, located in the Municipality of Chatham-Kent and ends in the City of Windsor. It serves portions of the Municipality of Chatham-Kent and the County of Essex including the Towns of Lakeshore, Essex, Tecumseh and the City of Windsor.
2. A schematic of the Windsor Line System can be found at Exhibit C, Tab 2, Schedule 1.
3. Since 2002, Enbridge Gas has had an extensive pipeline maintenance and integrity management program in place that includes the regular monitoring of pipelines for corrosion, leaks or other potential damage to ensure its pipelines remain in safe operating condition.<sup>1</sup>
4. A significant portion of the Windsor Line was installed in the 1930s, 1940s and 1950s. All joints prior to the 2000s were made with unrestrained mechanical couplings; and portions of the older vintage pipe are also not weldable at certain locations. In addition to this, some sections of the line cannot be isolated because of inoperable mainline valves. The Windsor Line also has sections that have poor depth of cover. Based on these integrity concerns and the significant effort and resources spent on repairing leaks on the line, the Windsor Line has been deemed high risk and has therefore been identified as requiring replacement.
5. If the Project is delayed, integrity concerns will become more serious and additional funds will be required to mitigate concerns.

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<sup>1</sup> Effective January 1, 2019 Enbridge Gas Distribution and Union Gas Ltd. amalgamated to become Enbridge Gas Inc. ("Enbridge Gas"). Prior to amalgamation the Windsor Line was monitored by Union Gas' pipeline maintenance and integrity management program.



Growth

6. Enbridge Gas is proposing to decrease the diameter and increase the Maximum Operating Pressure ("MOP") of the proposed pipeline. Despite the reduction in diameter, as a result of the increased MOP there will be no significant change in the capacity available from the proposed pipeline at this time.

## PROPOSED FACILITIES AND ALTERNATIVES

1. Enbridge Gas is proposing to construct approximately 64 kilometers of NPS 6 pipeline operating at a pressure of 3450 kPa between the intersection of Concession 8 and County Road 46 (located in the Town of Tecumseh) and the existing Enbridge Gas Port Alma Transmission Station (located in the Municipality of Chatham-Kent). It will also be necessary to upgrade all of the stations and service connections along the replacement to be in design conformance to the higher operating pressure of 3450 kPa. There are 399 customer services and 14 stations to be upgraded, five new stations installed and four exiting stations abandoned. The Project also involves the installation of small plastic main extensions off the NPS 6 mainline.
2. A map showing the Project can be found at Exhibit C, Tab 1, Schedule 1.

### Alternatives

3. Enbridge Gas reviewed the following alternatives:
  - Replacing the existing pipeline size-for-size
  - Replacing the existing pipeline with a pipeline operating at a different MOP
  - Installing a different diameter pipeline
  - Replacing a longer section of the Windsor Line
  - Replacing a shorter section of the Windsor Line
  - Joining previously independent distribution systems
  - Obtaining supply from nearby non-Enbridge Gas pipelines
  - Implementing Integrated Resource Planning ("IRP") and to commit to consider Demand Side Management ("DSM") and other low carbon solutions to install a smaller diameter pipeline

4. Based upon this analysis, Enbridge Gas determined the Project is the preferred option.
5. A System Design Criteria Report can be found at Exhibit C, Tab 3, Schedule 1. This report describes the current state of the pipeline system and reviews the alternatives considered for the Project.
6. Enbridge Gas is undertaking the process of IRP and as noted above is committed to considering DSM and other low carbon solutions as an alternative to traditional natural gas infrastructure. Enbridge Gas also recognizes that IRP will require formalized considerations to optimize safe, reliable, cost effective and low carbon energy solutions for its customers. As this is a pipeline replacement project designed to address pipeline integrity, there are limited opportunities for IRP and DSM. Enbridge Gas is reviewing potential reinforcement projects with in-service dates sufficiently far into the future to allow geo-targeted DSM and other non-facility options to be considered as alternatives. Enbridge Gas intends to make an application to the OEB seeking approval of any IRP proposals later this year.

PROJECT COSTS AND ECONOMICS

1. The estimated total Project costs are approximately \$106.8 million (including indirect overheads of \$14.1 million). As shown at Exhibit C, Tab 4, Schedule 1, this total Project cost includes the cost of mainline of \$77.4 million, which is subject to the proposed LTC as well as the costs of the ancillary facilities (i.e. stations, services) required to complete the Project. Enbridge Gas is not seeking approval for the costs of the ancillary facilities in this application; these costs have been included in the total Project cost for completeness.
2. A Discounted Cash Flow report has not been completed as the Project is underpinned by the integrity requirements. As noted earlier, the Project will not create a significant change in capacity available on the Windsor Line.
3. Enbridge Gas expects the Project will meet the criteria for rate recovery during the deferred rebasing period through the use of the Board's Incremental Capital Module ("ICM") mechanism. The ICM request for the Project will form part of Enbridge Gas's 2020 Rates application.

## ENGINEERING AND CONSTRUCTION

### Routing

1. As proposed, the Project will follow the existing pipeline for the majority of the route. The proposed pipeline will be constructed within road allowance.
2. To maintain continued delivery of natural gas service to customers the existing pipeline will remain in-service until the proposed pipeline has been constructed and placed in-service.

### Pipeline Design

3. The proposed pipeline will be designed and constructed in accordance with the *Ontario Regulations 210/01* under the *Technical Standards and Safety Act 2000, Oil and Gas Pipeline Systems*. This is the regulation governing the installation of pipelines in the Province of Ontario.
4. The proposed pipeline will meet or exceed the design and construction requirements of the applicable current edition of CSA Z662.
5. The current Class Location for the proposed pipeline includes Class 1 and 2. The proposed pipeline will be designed as a distribution pipeline and operated at less than 30% SMYS.
6. The proposed pipeline has an outside diameter of 168.3 mm, a minimum wall thickness of 4.8 mm and minimum yield strength of 241 MPa. The pipe will be manufactured to the applicable current edition of the CSA Z245.1 of Steel Pipe Standard or API 5L of the American Petroleum Institute Specification for Steel Pipe. The proposed pipeline will have a Design Pressure of 3450 kPa and MOP of 3450 kPa. See Figure 5-1 which shows the minimum design and pipe parameters.

Figure 5-1: Minimum Design and Pipe Parameters

NPS 6 Windsor Line	
Maximum Operating Pressure	3450 kPa
Mainline Test Medium	Water
Mainline Minimum Test Pressure	4830 kPa (MOP X 1.4)
Grade	241
Wall Thickness	4.8 mm
% SMYS	25%
Category	CAT I

7. The proposed pipeline will be pressure tested in compliance with Clause 8 of the applicable current edition of CSA Z662 and Ontario Regulation requirements.
8. The minimum installation depth of cover is 0.6 metres and will be in accordance with Section 12.4.7 Cover in Table 12.2 of the applicable current edition of CSA Z662. Additional depth of cover greater than the minimum will be provided to accommodate existing or planned facilities and where ground conditions allow greater depth.
9. Material is readily available for the Project.
10. Exhibit C, Tab 5, Schedule 1 shows the construction schedule for the Project.

Pipeline Construction

11. Construction of the 64 kilometres of NPS 6 pipeline is scheduled to start early in 2020. Right-of-way preparation and pipe offloading are some of the early activities. Pipeline install is scheduled to commence in the spring timeframe and be complete by year end. Other activities such as clean up, abandonment and, new service installs will continue into 2021.
12. The proposed pipeline will be installed in road allowance for the complete route on alternating sides of the roads depending on existing utilities, environmental features and residents. The running line involves both County and Municipal roads, both gravel and asphalt. The methods of installation for construction will be a combination of open trench and trenchless. Temporary land use ("TLU") areas have been identified along the running line to help facilitate construction in tight areas along the road. The construction of the proposed pipeline will be done in various stages and segments taking into consideration traffic flows, residents, maintaining customer supply, permitting requirements, new valve locations and station tie-overs. As segments of the proposed pipeline are completed, tested and energized, a separate crew will then commence installing new services and abandoning old services to customer locations. Replacement of existing services will be completed using a number of different construction techniques. This may include replacement adjacent to the existing service or the construction of small diameter polyethylene pipelines adjacent to the proposed pipeline. Several existing stations will also require upgrades as part of the Project. To facilitate this work, either new fee simple lands have been identified or additional TLU areas will be required.
13. Areas where abandonment in place is likely to occur will be road crossings, environmentally sensitive locations and, municipal road allowance. The TSSA abandonment guidelines and of the applicable current edition of CSA Z662 will be

followed for all pipe abandoned in place. The TSSA guidelines can be found at Exhibit C, Tab 5, Schedule 2 and a copy of CSA Z662, Section 10.16 is filed at Exhibit C, Tab 5, Schedule 3.

14. Exhibit C, Tab 5, Schedule 4 describes the general techniques and methods of construction that will be employed in the construction of the Project. This schedule details the following activities; locating, clearing and grading, removal of existing pipe, stringing of new pipe, trenching, welding, backfilling, tie-ins, cleaning, testing and restoration. Enbridge Gas's construction procedures have been continually updated and refined in order to mitigate potential environmental effects related to pipeline construction and be responsive to landowner concerns.



## ENVIRONMENTAL MATTERS

1. Enbridge Gas retained Stantec Consulting Ltd. (“Stantec”) to prepare an Environmental Report (“ER”) for the Project identifying the environmental and socio-economic features along the route of the proposed pipeline. The ER was prepared to meet the intent of the Ontario Energy Board’s document *“Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines in Ontario [7<sup>th</sup> Edition, 2016].*

### Environmental Report

2. A copy of the ER can be found at Exhibit C, Tab 6, Schedule 1. The ER was forwarded to the Ontario Pipeline Coordinating Committee (“OPCC”) on July 22, 2019. The ER was also forwarded to the local Conservation Authority, municipalities including the Town of Tecumseh, the Town of Lakeshore, County of Essex, The Municipality of Chatham-Kent and local First Nations. Directly affected landowners were also informed about the completion of the ER and invited to view the ER on Enbridge Gas’s company website under the Projects Tab at the following link: <https://www.uniongas.com/>.
3. The OPCC comments received to date can be found at Exhibit C, Tab 6, Schedule 2.
4. To encourage stakeholder consultation in conjunction with the ER, a “Notice of Project Commencement and Information Session” was mailed to various agencies, Municipalities, First Nations and landowners along the proposed Project route. Notifications were also posted in local newspapers on February 5<sup>th</sup>, 2019 (Kingsville Reporter) and February 7<sup>th</sup>, 2019 (Essex Free Press). In addition, two general public information sessions were held in Oldcastle within the Town of Tecumseh on February 20, 2019 and Comber within the Town of Lakeshore on February 21, 2019. Stantec and Enbridge Gas have considered the comments

provided by agencies and the general public in the preparation of the ER, general design and, construction of the Project.

5. The ER describes the natural and socio-economic setting of the Project area and assesses the residual impacts of the Project on various environmental and socio-economic components. Various mitigation measures are recommended in the ER to minimize impacts to the natural and socio-economic environment. Watercourse crossings, wetland crossings and species at risk are some of the natural environmental features assessed in the ER. Noise, safety and general construction inconveniences are some of the socio-economic considerations noted in the ER. The ER concludes that no significant residual effects are anticipated after implementation of the mitigation measures noted in the Environmental Report. Enbridge Gas commits to adopting and implementing the mitigation measures noted in the ER.
6. Enbridge Gas will discuss the Project with various agencies including the Essex Region Conservation Authority ("ERCA"), Lower Thames Valley Conservation Authority ("LTVCA"), the Ministry of Environment, Conservation and Parks ("MECP"), Fisheries and Oceans Canada ("DFO"). Enbridge Gas will also consult with the Town of Tecumseh, Town of Lakeshore, the County of Essex and the Municipality of Chatham-Kent throughout the Project. It will also continue to work with agencies as well as municipalities throughout the Project area to secure any necessary permits and authorizations prior to construction.

#### Species at Risk

7. A number of species at risk are known to or potentially inhabit the lands in the vicinity of the Project. Enbridge Gas will work closely with the MECP and DFO to develop appropriate mitigation measures to protect species at risk and obtain all required permits and approvals.

### Archaeology

8. A Stage 1 Archaeological Assessment has been completed by Stantec. The Stage 1 Archaeological Assessment is presented in Appendix G of the ER at Exhibit C, Tab 6, Schedule 1. The Stage 1 Archaeological Assessment identified areas that retain archaeological potential and require Stage 2 Archaeological Assessment.
9. The Stage 2 Archaeological Assessment and any potential additional Archaeological Assessments required will be completed by a licensed archaeological firm along the pipeline route, as recommended in the ER. Enbridge Gas proposes to complete the majority of the archaeological assessments during the 2019 field season with any remaining assessments completed during spring 2020.

### Watercourses

10. With respect to watercourses, Enbridge Gas will complete a DFO self-assessment and follow Best Management Practices to prevent *Serious Harm* as defined under the *Fisheries Act*. There are approximately 26 watercourses associated with the Project that will be crossed using the directional drill or dam and pump method. The necessary permits will be obtained from ERCA, LTVCA and municipalities.

### Construction

11. Enbridge Gas will implement a program dealing with environmental inspection during construction of the Project. An inspector trained in environmental issues will monitor construction activities and ensure that all activities comply with the mitigation measures found in the ER. This program will ensure that the mitigation recommendations in the ER are followed.

12. Construction procedures such as dust control, safety fencing, advance notice to landowners and the general public concerning construction activities are some of the measures Enbridge Gas will use to minimize socio-economic impacts as a result of the Project. Enbridge Gas will also have a Landowner Relations Agent assigned to the Project to address landowner or general public issues and complaints.

LAND MATTERS

1. Enbridge Gas proposes to purchase in fee simple land for five new station upgrades. Enbridge Gas will also require Temporary Land Use (“TLU”) rights on 29 properties adjacent to municipal road allowances along the proposed pipeline route to facilitate construction activities.
2. Enbridge Gas is proposing to upgrade five stations along the route of the proposed pipeline that will require the installation of piping facilities on private property. Therefore, Enbridge Gas is proposing to purchase land for these station sites.
3. For any construction on existing roadways Enbridge Gas will comply with its Municipal Franchise Agreements.
4. A drawing showing the location of the proposed pipeline as well as the land rights required is provided at Exhibit C, Tab 7, Schedule 1. The names and addresses of landowners have been removed from this schedule to safeguard landowner privacy (the “Land Owners”).
5. Exhibit C, Tab 7, Schedule 2 outlines the fee simple and TLU rights required to construct the proposed pipeline. The names and addresses shown on this schedule have been redacted to safeguard landowner privacy.
6. Enbridge Gas will offer to all Land Owners where temporary land use is required a Form of TLU Agreement. Please see Exhibit C, Tab 7, Schedule 3 for a copy of the Form of TLU Agreement. The TLU Agreement has been approved and used by Enbridge Gas on similar pipeline projects in the past.

7. TLU Agreements are usually required for a period of two years. This allows Enbridge Gas the opportunity to return in the year following construction to perform further clean-up and remediation work as may be required.

## INDIGENOUS<sup>1</sup> CONSULTATION REPORT

1. Enbridge Gas Inc. (“Enbridge Gas”) is committed to creating processes that support meaningful engagement with potentially affected Indigenous groups (First Nations and Métis). Enbridge Gas works to build an understanding of project related interests, ensure regulatory requirements are met, mitigate or avoid project-related impacts on Aboriginal interests including rights, and provide mutually beneficial opportunities where possible.
2. Pursuant to the Ontario Energy Board’s (the “Board”) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7<sup>th</sup> Edition, 2016* (the “Guidelines”), Enbridge Gas provided the Ontario Ministry of Energy Northern Development and Mines (the “MOENDM”) with a project description for the Windsor Line Replacement Project (the “Project”) on April 13, 2018. This Project description is set out at Attachment 1 to this Exhibit.
3. Subsequently, on September 10, 2018, Enbridge Gas received a letter (“Delegation Letter”) from the MOENDM indicating that the MOENDM had delegated the procedural aspects of consultation to Enbridge Gas for the Project. The Delegation Letter identified six Indigenous communities to be consulted with. A copy of the Delegation Letter is provided at Attachment 2 to this Exhibit.
4. Enbridge Gas provided this Exhibit along with Exhibit C-8-1 and Exhibit C-8-2 to the MOENDM on August 9, 2019 and requested that the MOENDM determine if the procedural aspects of the Duty to Consult for the Project have been sufficient.

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<sup>1</sup> Enbridge Gas has used the terms “Aboriginal” and “Indigenous” interchangeably in its application.

“Indigenous” has the meaning assigned by the definition “aboriginal peoples of Canada” in subsection 35(2) of the *Constitution Act, 1982*.

Collectively, the aforementioned three Exhibits form the Indigenous Consultation Report for the Project. On January 20, 2020, the MOENDM provided Enbridge Gas /U with a letter regarding Indigenous engagement activities for the Project. In that letter, the MOENDM indicated that the procedural aspects of consultation undertaken by Enbridge Gas to date for the purposes of the Project is satisfactory. A copy of this letter is filed at Attachment 3 to this Exhibit. Information gathered during the course of Enbridge Gas' engagement with Indigenous groups was incorporated into the Stage 1 Archaeological Assessment and Environmental Report set out in Exhibit C, Tab 1, Schedule 6, and will be incorporated into the Stage 2 Archaeological Assessment when completed. This work was completed under the auspices of the Guidelines which include duty to consult requirements for hydrocarbon facility proponents.

#### Aboriginal Engagement Program Objectives

5. The design of the Aboriginal engagement program was based on adherence to the Guidelines and *Enbridge's Indigenous Peoples Policy* and principles as follows:
  - Enbridge Inc. has instituted a company-wide *Indigenous Peoples Policy* ("Policy") (set out in Attachment 4 to this Exhibit). The Policy lays out key principles for establishing relationships with Indigenous groups, which includes, among other things, respect for traditional ways and land, heritage sites, the environment and traditional knowledge.
  - Enbridge Gas has established meaningful relationships, provided timely exchanges of information, understands and addresses Indigenous Project-specific concerns, and ensures ongoing dialogue about its projects, their potential implications and benefits.
  - Enbridge Gas aligns its interests with those of Indigenous communities through meaningful, direct Indigenous economic activity in projects corresponding to community capacity and project needs, where possible.



- The Indigenous engagement program for the Project recognizes the rights of Indigenous groups and assists Enbridge Gas in engaging in meaningful dialogue with potentially affected Indigenous groups about the Project. It also assists Enbridge Gas in meeting the procedural aspects of consultation that may be required by the Crown and the Guidelines.

#### Overview of Aboriginal Engagement Program Activities

6. Enbridge Gas conducts its Indigenous consultation generally through phone calls, in-person meetings, Project mail-outs, open houses and email communications. During these engagement activities, Enbridge Gas representatives will provide an overview of the Project, respond to questions and concerns, and address any interests or concerns expressed by Indigenous communities to appropriately mitigate any Project-related impacts. In order to accurately document Indigenous engagement activities and ensure follow-up, applicable supporting documents are tracked using a database.

#### Ongoing Aboriginal Engagement Activities

7. Enbridge Gas will continue to actively engage all identified Indigenous groups in meaningful ongoing dialogue concerning the Project and endeavor to meet with each Indigenous group, provided they are willing, for the purpose of exchanging information regarding the Project and to respond to inquiries in a timely manner. Enbridge Gas will hear and address concerns as is feasible and seek information on the exercise of, and potential impacts to, Aboriginal and Treaty rights, traditional use in the Project area and how any potential Project-related impacts can be mitigated.
8. Exhibit C, Tab 8, Schedule 1 contains a summary of Enbridge Gas' Indigenous consultation activities for the Project. Exhibit C, Tab 8, Schedule 2 contains the Indigenous consultation matrix (and associated attachments) for the Project.

9. The information presented in the aforementioned Exhibits reflects Enbridge Gas' Indigenous engagement activities for the Project up to and including August 6, 2019; however, Enbridge Gas will continue to engage during the regulatory process and throughout the life of the Project.

From: Ken McCorkle  
To: Shereen Smithanik (Shereen.Smithanik@ontario.ca); morgan.owen@ontario.ca  
Cc: Lauren Whitwham  
Subject: MOE summary for the Windsor Line Replacement Project!

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Message image.pdf MAP-Enbridge\_Fig1\_Biophysical-20180411.pdf  
MAP-Enbridge\_Fig2\_CrownLand-20180411.pdf

Hello Shereen/Morgan:

Please find attached the Windsor Line Replacement Project for your review along with the attached maps depicting the location. I will await your response to move forward on any Indigenous consultation that is required. Could you please confirm receipt of this email?

Regards,  
Ken

*Ken McCorkle*

Manager, Indigenous Affairs  
Union Gas Ltd.

Phone: 519-436-4600 Ext.5002243

Cell: 519-365-0584

Toll Free: 877-293-6215

Fax: 519-436-5392

Email: [kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com)

We can't change the past, but we can influence our future



April 13, 2018

Ms. Shereen Smithanik  
Senior Policy Advisor  
Indigenous Energy Policy  
Ministry of Energy  
77 Grenville Street, 6<sup>th</sup> Floor  
Toronto, ON M7A 2C1

Dear Ms. Smithanik:

**Re: Windsor Line Replacement Project**

Enclosed please find Union's Report to the Ministry of Energy to determine the Indigenous Consultation required for the above noted project. I have also enclosed a copy of the Biophysical map and the Crown Land map for your reference.  
In the event that you have any questions on the above or would like to discuss in more detail, please do not hesitate to contact me.

Yours truly,

*Ken McCorkle*

Ken McCorkle  
Manager, Indigenous Affairs  
Union Gas Limited  
50 Keil Drive North  
Chatham, ON N7M 5M1  
Phone: 519-436-4600 ext. 5002243  
Email: kmccorkle@uniongas.com

**Union Gas Limited – Windsor Line Replacement Project**  
**Summary for Ministry of Energy**

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**1. Introduction**

---

This Summary Report has been prepared to provide the Ministry of Energy (“MOE”) with an overview of the Windsor Line Replacement Project (“Project”), to support the preparation of a contact list of indigenous communities that may have an interest in the Project.

**1.1 Project Overview**

Union Gas Limited (“Union Gas”) is proposing to replace approximately 30km of existing NPS 10 inch diameter natural gas pipeline with a new NPS 6 inch diameter natural gas pipeline to continue to provide safe and reliable delivery of natural gas to the Windsor and Leamington area. The existing NPS 10 inch pipeline is proposed to be replaced with a smaller NPS 6 inch pipeline, which will be constructed in the vicinity of the existing pipeline. The proposed pipeline replacement is located entirely within the County of Essex, and will commence at Union’s Comber Transmission Valve Site and end at new station located in the vicinity of the intersection of County Rd 46 and 8<sup>th</sup> Concession Rd. A map indicating the proposed pipeline location project area is shown in Figure 1 and 2 (attached).

The following co-ordinates are the approximate proposed locations of the take off and end point for the new pipeline:

Proposed Locations	Latitude	Longitude
Take Off		
Comber Transmission Station	42.207723	-82.598658
End Point		
New Station at 8 <sup>th</sup> Concession Rd and County Rd 46	42.238853	-82.945256

---

**2. Regulatory Requirements and Approvals**

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Ontario Energy Board (“OEB”) review and approval is required before this project can proceed. As part of that application, an Environmental Review (ER) will be conducted in accordance with the OEB Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7<sup>th</sup> Edition (2016). The ER for this Project is anticipated to be completed and submitted to the OEB as early as fall 2018, the proposed project is anticipated to be completed in phases with the first phase scheduled to be constructed and in service in 2019. Other permits and authorizations for the project will be determined and may be necessary at the Federal, Provincial and Municipal levels.

---

### 3. Environmental Planning Process

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The environmental planning process for the Project will be initiated in spring of 2018 by Union Gas, with support provided throughout the process by consultant archaeologists, cultural heritage specialists, and environmental professionals. The following provides a general overview of the environmental planning process for the Project:

- **Complete an Environmental Protection Plan (EPP)**
  - Describe the proposed work necessary for the Project;
  - Describe the procedures that will be followed during construction of the facilities;
  - Identify potential environmental impacts and recommend measures to minimize those impacts; and
  - Describe the public consultation opportunities.
- **Complete all necessary studies and assessments**
  - An Archaeological Assessment will be conducted by a licensed archaeologist in accordance with the Ministry of Tourism, Culture and Sport (MTCS) guidelines to identify known or potential archaeological resources within the Project area and will develop an appropriate mitigation plan if required.
  - A heritage specialist will review the running line for potential cultural heritage landscapes and built heritage resources and will develop an appropriate mitigation plan if required.
  - A qualified biologist will review the running line for potential species at risk and determine if any species will be impacted by construction activities and will develop an appropriate mitigation plan if required.
- **Obtain all necessary environmental permits and approvals**
  - Union Gas will work with all relevant governing agencies (i.e. the Ministry of Natural Resources and Forestry (MNR), Essex Region Conservation Authority (ERCA), Fisheries and Oceans Canada (DFO)) to obtain any permits and/or approvals should it be necessary.

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### 4. Consultation

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Consultation is an important part of the environmental planning process and may include discussions with the relevant federal and provincial agencies, municipalities, interested and potentially affected landowners, and interest groups, as well as First Nations and Metis Nations as identified by the MOE.

Union Gas will contact with the County, MNR, DFO and ERCA to discuss and review the project. Union Gas will also contact landowners along the proposed route.

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### 5. Project Activities

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The pipeline will be installed using Unions standard construction practices which include grading the site, digging the trench, installing the welded pipeline in the trench, testing the pipeline, and restoring the area to its original condition.

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### 6. Summary and Conclusion

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The purpose of this report is to provide MOE with preliminary information regarding the Project and acquire a list of Indigenous communities that may be interested in providing feedback during the project planning process. Field work and data collection will be undertaken to determine the potential effects of this Project during the construction, and operation phases. Mitigation measures to manage these potential effects will be identified and will include proposed monitoring and contingency plans which will be implemented to ensure effects are minimized.



Ministry of Energy, Northern  
Development and Mines

77 Grenville Street  
6<sup>th</sup> Floor  
Toronto ON M7A 2C1  
Tel: (416) 314-2599

Ministère de l'Énergie, du  
Développement du Nord et des  
Mines

77 rue Grenville  
6<sup>e</sup> étage  
Toronto ON M7A 2C1  
Tél: (416) 314-2599



**Indigenous Energy Policy**

VIA EMAIL

September 10, 2018

Ken McCorkle  
Manager, Indigenous Affairs  
Union Gas Limited  
50 Keil Drive North  
Chatham, ON  
N7M 5M1

**Re: Windsor Line Replacement Project**

Dear Ken McCorkle:

Thank you for your letter dated April 13, 2018 notifying the Ministry of Energy, Northern Development and Mines of Union Gas Limited's proposal for the Windsor Line Replacement Project and requesting clarification on Duty to Consult requirements. I recognize also the updated project description provided on April 25, 2018.

I understand that Union Gas is proposing to replace approximately 45km of existing NPS 10 inch diameter natural gas pipeline with a new NPS 6 inch diameter natural gas pipeline to continue to provide safe and reliable delivery of natural gas to the Windsor and Leamington area. The existing NPS 10 inch pipeline is proposed to be replaced with a smaller NPS 6 inch pipeline, which will be constructed in the vicinity of the existing pipeline. The proposed pipeline replacement is located entirely within the County of Essex and will commence at Union's Comber Transmission Valve Site and end at County Rd 1 (Wheatley Rd).

The Ministry has reviewed the information provided relative to its current understanding of the interests of First Nation and Métis communities in the area and has determined that it may have the potential to affect First Nation and Métis communities who hold or claim Aboriginal or treaty rights protected under Section 35 of Canada's *Constitution Act* 1982.

As you are aware, the Government of Ontario (the "Crown") has a constitutional duty to



consult and accommodate First Nation and Métis communities when Crown project approvals may lead to an appreciable adverse impact on established or asserted Aboriginal or treaty rights. While the legal duty to consult falls on the Crown, the Crown may delegate the day-to-day, procedural aspects of consultation to project proponents. The Ministry of the Energy, Northern Development and Mines is delegating the procedural aspects of consultation to Union Gas Limited through this letter.

Based on the Crown's preliminary assessment of First Nation and Métis community rights and project impacts, the following Aboriginal communities should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that may be adversely affected by the Project:

Community	Mailing Address
Aamjiwnaang First Nation	978 Tashmoo Avenue Sarnia, ON N7T 7H5
Bkejwanong (Walpole Island) First Nation	RR #3 Walpole Island, ON N8A 4K9
Caldwell First Nation	14 Orange Street Leamington, ON N8H 1P5
Chippewas of the Thames First Nation	320 Chippewa Road, RR #1 Muncey, ON N0L 1Y0
Chippewas of Kettle and Stony Point	6247 Indian Lane Kettle & Stony Point First Nation, ON N0N 1J0
Oneida Nation of the Thames	RR 2 Southwold, ON N0L 2G0

This rights-based consultation list is based on information that is subject to change. First Nation and Métis communities may make new rights assertions at any time, and other developments (e.g. the discovery of Aboriginal archaeological sites) can occur that may require additional First Nation and/or Métis communities to be notified and/or consulted. If you become aware of potential rights impacts on communities that are not listed above at any stage of the consultation and approval process, kindly bring this to the attention of the Ministry with any supporting information regarding the claim. The Ministry will then assess whether it is necessary to include the community on the rights-based consultation list above.

It is the Ministry's expectation that Union Gas Limited will communicate directly with the communities listed above, and that Union Gas Limited will:

- Notify the communities that Union Gas Limited has been delegated the procedural aspects of consultation by the Ministry of Energy, Northern Development and Mines on behalf of Ontario.
- Notify the communities that they may contact the Crown directly should they have any questions or concerns.
- Provide the communities with the following contact information should they wish to communicate directly with the Ministry:  
Shereen Smithanik  
Senior Policy Advisor  
Indigenous Energy Policy  
Ministry of Energy, Northern Development and Mines  
416-326-0513  
Shereen.Smithanik@ontario.ca
- Please copy the Ministry contact when communicating the above information.

The Ministry relies on consultation conducted by proponents when it assesses the Crown's obligations and directs proponents during the regulatory process. Union Gas Limited's responsibilities for procedural aspects of consultation include:

- Providing the First Nation and Métis communities with timely notice of the project for the purposes of considering possible impacts on their Aboriginal and/or treaty rights;
- In that notice, clearly stating that Union Gas Limited has been delegated the procedural aspects of consultation by the Ministry of Energy, Northern Development and Mines on behalf of Ontario for the project.
- Providing First Nation and Métis communities with information about the project including anticipated impacts, and information on project timelines;
- Following up with First Nation and Métis communities to ensure they have received project information and that they are aware of the opportunity to express comments and concerns about the project;
- Explaining the regulatory and approval processes that apply to the project;
- Gathering information about how the project may adversely impact the relevant Aboriginal and/or treaty rights (for example, hunting, fishing) or sites of cultural significance (for example, burial grounds, archaeological sites);
- Considering the comments and concerns raised by First Nation and Métis communities and providing responses;
- Where appropriate, discussing accommodation, including mitigation or other measures to address potential adverse impacts on Aboriginal and/or treaty rights;
- Where appropriate, developing and discussing with the Crown appropriate accommodation measures;

- Taking reasonable steps to foster positive relationships with the First Nation and Métis communities;
- Bearing the reasonable costs associated with these procedural aspects of consultation; and
- Maintaining records of activities in relation to carrying out the delegated procedural aspects of consultation and providing information to the Ministry.

If you have any questions about this letter or require any additional information please contact Shereen Smithanik at 416-326-0513 or [Shereen.Smithanik@ontario.ca](mailto:Shereen.Smithanik@ontario.ca)

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Owen', with a stylized flourish extending to the right.

Morgan Owen  
A/Manager  
Indigenous Energy Policy

C: Ontario Pipeline Coordinating Committee (OPCC)

Ministry of Energy, Northern  
Development and Mines

Ministère de l'Énergie, du  
Développement du Nord et des  
Mines



77 Grenville Street  
6<sup>th</sup> Floor  
Toronto ON M7A 2C1

77, rue Grenville  
6<sup>e</sup> étage  
Toronto ON M7A 2C1

Tel: (416) 325-6544

Tél: (416) 325-6544

## Indigenous Energy Policy

VIA EMAIL

January 20, 2020

Ken McCorkle  
Manager, Indigenous Affairs  
Enbridge Gas Limited  
50 Keil Drive North  
Chatham, ON N7M 5M1

### Re: Windsor Line Replacement Project– Consultation Sufficiency Opinion

Dear Mr. McCorkle,

The Ontario Ministry of Energy, Northern Development and Mines has completed its review of Enbridge Gas Limited's Indigenous consultation report for the Windsor Line Replacement Project. This letter is to notify you that based on the information provided and through contacting the communities directly, the Ministry is of the opinion that the procedural aspects of consultation undertaken by Enbridge Gas Limited to date for the purposes of the Ontario Energy Board's Leave to Construct for the Windsor Line Replacement Project is satisfactory.

It is expected that Enbridge Gas Limited will continue its consultation activities with the communities throughout the life of the Project, and that Enbridge Gas will notify the Ministry should any additional rights-based concerns/issues arise.

If you have any questions about this letter or require any additional information, please contact Chloë Lazakis at 416-648-0294 or [chloe.lazakis@ontario.ca](mailto:chloe.lazakis@ontario.ca).

Sincerely,

A handwritten signature in dark ink, appearing to read "Dan Delaquis", written over a faint, circular official stamp or seal.

Dan Delaquis  
A/Manager  
Indigenous Energy Policy

c: Ontario Pipeline Coordinating Committee  
Ontario Energy Board

# Enbridge Inc. Indigenous Peoples Policy

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# Enbridge Indigenous Peoples Policy

---

Enbridge recognizes the diversity of Indigenous Peoples who live where we work and operate. We understand that the history of Indigenous Peoples in both Canada and the United States has had destructive impacts on the social and economic wellbeing of Indigenous Peoples. Enbridge recognizes the importance of reconciliation between Indigenous communities and broader society. Positive relationships with Indigenous Peoples, based on mutual respect and focused on achieving common goals, will create constructive outcomes for Indigenous communities and for Enbridge.

Enbridge commits to pursuing sustainable relationships with Indigenous Nations and groups in proximity to where Enbridge conducts business. To achieve this, Enbridge will govern itself by the following principles:

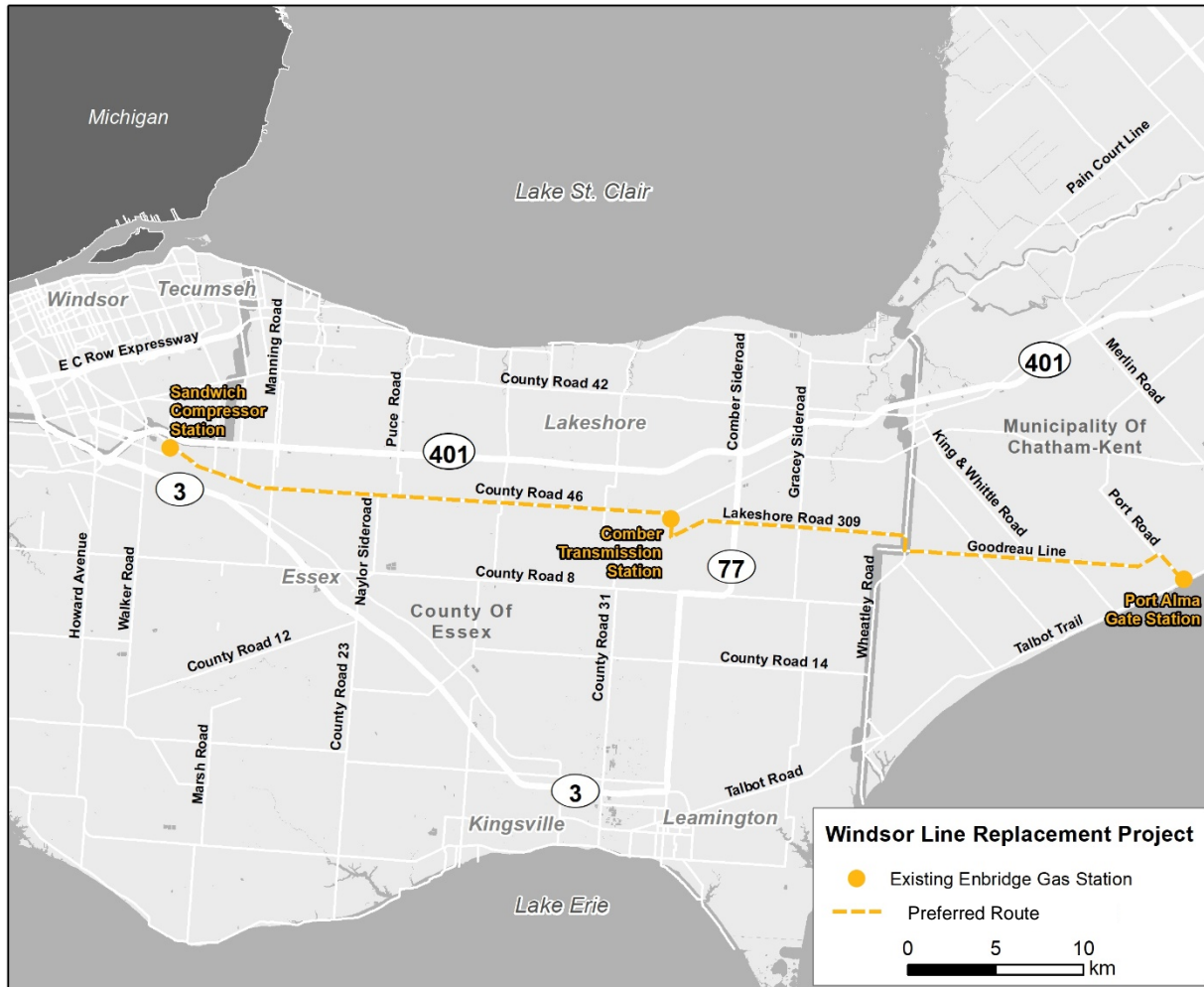
- We recognize the legal and constitutional rights possessed by Indigenous Peoples in Canada and in the U.S., and the importance of the relationship between Indigenous Peoples and their traditional lands and resources. We commit to working with Indigenous communities in a manner that recognizes and respects those legal and constitutional rights and the traditional lands and resources to which they apply, and we commit to ensuring that our projects and operations are carried out in an environmentally responsible manner.
- We recognize the importance of the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP) within the context of existing Canadian and U.S. law and the commitments that governments in both countries have made to protecting the rights of Indigenous Peoples.

- We engage in forthright and sincere consultation with Indigenous Peoples about Enbridge's projects and operations through processes that seek to achieve early and meaningful engagement so their input can help define our projects that may occur on lands traditionally used by Indigenous Peoples.
- We commit to working with Indigenous Peoples to achieve benefits for them resulting from Enbridge's projects and operations, including opportunities in training and education, employment, procurement, business development, and community development.
- We foster understanding of the history and culture of Indigenous Peoples among Enbridge's employees and contractors, in order to create better relationships between Enbridge and Indigenous communities.

This commitment is a shared responsibility involving Enbridge and its affiliates, employees and contractors, and we will conduct business in a manner that reflects the above principles. Enbridge will provide ongoing leadership and resources to ensure the effective implementation of the above principles, including the development of implementation strategies and specific action plans.

Enbridge commits to periodically reviewing this policy to ensure it remains relevant and meets changing expectations.

## MAP OF PROPOSED FACILITIES





June 11, 2019

Steven Jelic  
Director, Southwest Region Operations  
Enbridge Gas Inc.  
109 Commissioners Road West  
London, Ontario N6A 4P1  
Email: [steven.jelic@enbridge.com](mailto:steven.jelic@enbridge.com)

Re: 2020 Windsor Pipeline Replacement Project

Dear Mr. Jelic,

On May 21, 2019 Enbridge Gas Inc. appeared before Essex Town Council to provide details of the 2020 Windsor Pipeline Replacement proposal. It is understood that this pipeline will replace approximately 60 kilometres of existing 8 – 10 inch diameter pipeline with a new 6 inch high pressure pipeline between Oldcastle and Port Alma, primarily along County Road 46, Lakeshore Road 309 and Goodreau Line and will not only provide the distribution of natural gas but will also create hundreds of temporary jobs locally.

In response to this presentation Council would like to submit this letter of support for the project. The assurance of the reliable delivery of affordable natural gas to residents and businesses in Chatham-Kent, Windsor and Essex County is paramount to the quality of life in our region and a valuable commodity.

Yours truly,

A handwritten signature in black ink, appearing to read "R. Auger", with a long, sweeping horizontal line extending to the right.

Robert W. Auger, L.L.B.  
Town Solicitor/Clerk, Legal and Legislative Services  
Ext. 1132  
Email: [rauger@essex.ca](mailto:rauger@essex.ca)

RWA/lam



June 5, 2019

Enbridge Gas Incorporated  
109 Commissioners Rd. W.  
London, ON N6J 1X7

Attention: Mr. Steven Jelich - Director, Southwest Region Operations

**RE: Windsor Pipeline Replacement Project**

Dear Mr. Jelich:

On behalf of the WindsorEssex Economic Development Corporation I am pleased to provide this letter of support for the Windsor Pipeline Replacement Project in conjunction with the Enbridge Gas Inc. application to the Ontario Energy Board and Project approval process.

As the leading economic development agency in the Windsor and Essex County region, we are responsible for advancing economic development to grow and sustain prosperity in the region. Our main focus is to develop and execute strategies to retain, expand, attract and help new businesses start up in the Windsor-Essex region, and to facilitate the process of starting, growing or locating in Windsor-Essex.

The Windsor-Essex region is indeed on a continual path of growth, having made significant strides to support a positive economic trend since the recovery of 2008-2009 recession. The many contributing factors to this success include significant investments from: FCA Canada's massive renovation and retooling of its Windsor Assembly Plant, Hiram Walker & Sons for increased production and a wider range of products, Ford Motor Company of Canada's \$600 million investment in its Windsor operations which will see hiring and investment continue in 2019 to prepare for production of the new seven-litre, V8 truck engine, the completion of the Rt. Hon. Herb Gray Parkway, and the current construction of the Gordie Howe International Bridge. The GH Bridge is indeed likely to be one of the main economic drivers for our region. The official start of construction was October 5, 2018. Bridging North America, the consortium selected to build and operate the bridge, anticipates that construction will create 2,500 jobs. Local companies have engaged in business-to-business meetings in preparation of procurement opportunities and some contracts have already been awarded. The total design and construction cost of the project is estimated at \$3.8 billion with an additional \$1.9 billion to be spent on operations and maintenance over 30 years. Trade through the Windsor-Detroit corridor continues to increase, generating more opportunities for growth in all our key sectors.

We are confident that the proposed Pipeline Replacement Project, with its consideration of municipal growth plans of a 20-year forecast and beyond, which includes a proposed new single site hospital and any significant expansions and industrial growth, will prepare infrastructure to be brand new and ready for the new growth of our region.

The Conference Board of Canada expects total employment in the Windsor Census Metropolitan Area (City of Windsor and the towns of LaSalle, Amherstburg, Tecumseh and Lakeshore) to increase by almost 1,700 people into 2019. Total employment has continued to improve, more than 6% over the past five years and led by the Manufacturing sector which posted an employment increase of more than 25% over the same time period.

The Windsor-Essex region is the manufacturing heartland of Ontario, boasts an industry profile of more than 1,000 manufacturers, 90 plus auto and parts manufacturers and in excess of 250 machine tool, die and mold manufacturers, the largest in Canada. Although many sectors in the economy have seen steady improvement, the manufacturing sector and its related facilities has witnessed dramatic expansion. We know that growth of this nature requires available, affordable, and sustainable energy infrastructure. Building on the success of this cluster, the establishment of a new association of automation companies was announced in November, 2018. The new association, Automate Canada, headquartered in Windsor-Essex, will be an arm of the Canadian Association of Moldmakers, and recognizes the concentration of over 400 automation and related companies in the Windsor-Essex region.

The replacement of the existing "Windsor Line" natural gas infrastructure is an integral part of the integrity and reliable delivery of affordable natural gas to residents and businesses in the Windsor-Essex region for today and the future. Enbridge has previously responded to the increased demand for natural gas in the Windsor-Essex region, through their investments in the Panhandle Reinforcement Project, the Kingsville Transmission Reinforcement Transmission Project, and the Leamington Pipeline Expansion. These have been vital to the retention and expansion of many of our key sector businesses, including the greenhouse industry and other agriculture associated operations, securing their footprint in Windsor-Essex. Based on current growth rates, we forecast that the greenhouse sector in our region could see greenhouse acreage expand beyond 3,500 acres within the next 5 years, supporting the strength of both this sector and agri-business.

As we continue to compete with low-cost jurisdictions to attract new investment, we are at a competitive disadvantage if we cannot sell our region as offering dependable and sustainable resources. This new project with its reliable, sustained infrastructure, will provide an affordable resource that is critical to supporting current and future economic development in all our key sectors. It will support opportunities for creating new jobs, the sourcing of local goods and services – all that is necessary for expansion and the attraction of new investment to better serve our communities. We look forward to this additional investment that will support the future growth of the region.

The WindsorEssex Economic Development Corporation encourages the Ontario Energy Board to seek a favourable review of the application for this Project.

Best Regards,



C. Stephen MacKenzie  
President and Chief Executive Officer

700 California Avenue, Suite #200  
Windsor, Ontario, Canada N9B 2Z2  
Tel: 519-255-9200 or Toll Free 1-888-255-9332

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## The Corporation of the Town of Tecumseh

Filed: 2019-08-09  
EB-2019-0172  
Exhibit C  
Tab 1  
Schedule 2  
Page 4 of 6

May 1, 2019

Enbridge Gas Inc.  
500 Consumers Road  
North York ON, M2J 1P8

**Attention: Steven Jelich**

Dear Mr. Jelich:

**Re: Enbridge Gas Inc. application to the Ontario Energy Board**

The Council of the Town of Tecumseh, at its regular meeting held Tuesday, April 23, 2019, gave consideration to the presentation from Enbridge Gas Inc. requesting support for the Windsor Pipeline Replacement Project.

At their meeting, Tecumseh Council passed the following resolution: Motion: RCM 107/19

**That** the Town of Tecumseh support Enbridge Gas Inc. application to the Ontario Energy Board regarding the proposed Windsor Pipeline Replacement Project.

Please consider this letter as confirmation of the Town of Tecumseh's support for this project.

Yours very truly,

Laura Moy, Dipl.M.M., CMMIII HR Professional  
Director Corporate Services & Clerk

LM/kc

# WINDSOR-ESSEX REGIONAL Chamber of Commerce

May 23, 2019

Steven Jelich  
Director, Southwest Region Operations  
Enbridge Gas Inc.  
3840 Rhodes Dr.  
Windsor, ON N9A 6N7

Dear Mr. Jelich,

The Windsor-Essex Regional Chamber of Commerce (WERCC) proudly supports the proposed 2020 Windsor Pipeline Replacement Project. The implementation of this project will ensure the reliable delivery of affordable natural gas to residents and businesses in Windsor, Essex County, and Chatham-Kent for years to come. The replacement of the natural gas infrastructure in Windsor-Essex will support the local economy by creating hundreds of temporary local jobs while sourcing local goods and services.

As the voice of business and professionals in our region, the WERCC works to encourage an economic climate favourable to business and industry. We represent over 700 members in the Windsor-Essex region and are part of the provincial and national Chamber networks (Ontario Chamber of Commerce with 60,000 members and the Canadian Chamber of Commerce with 200,000 members).

The WERCC is strongly in support of this project and looks forward to an ongoing positive relationship with Enbridge.

Sincerely,



Rakesh Naidu,  
President & CEO

April 30, 2019

Steven Jelich, MBA  
Director, Southwest Region Operations  
Enbridge Gas Inc.  
109 Commissioners Rd. W.  
London, ON N6A 4P1

**Re: Support for the Enbridge Gas Windsor Pipeline Replacement Project**

Please accept this letter of support for the Enbridge Gas Windsor Pipeline Replacement Project.

Chatham-Kent is a municipality of 104 thousand people located in the heart of Southwestern Ontario with Lake Erie on the south and Lake St. Clair on the west. It is comprised of almost 25 hundred square kilometres of very flat, very intensively farmed land surrounded by water.

In order for future growth in Chatham-Kent to be realized, sufficient natural gas infrastructure will be required. With that in mind, the Windsor Pipeline Replacement Project will ensure the reliable delivery of affordable natural gas to residents and businesses in Chatham-Kent for years to come.

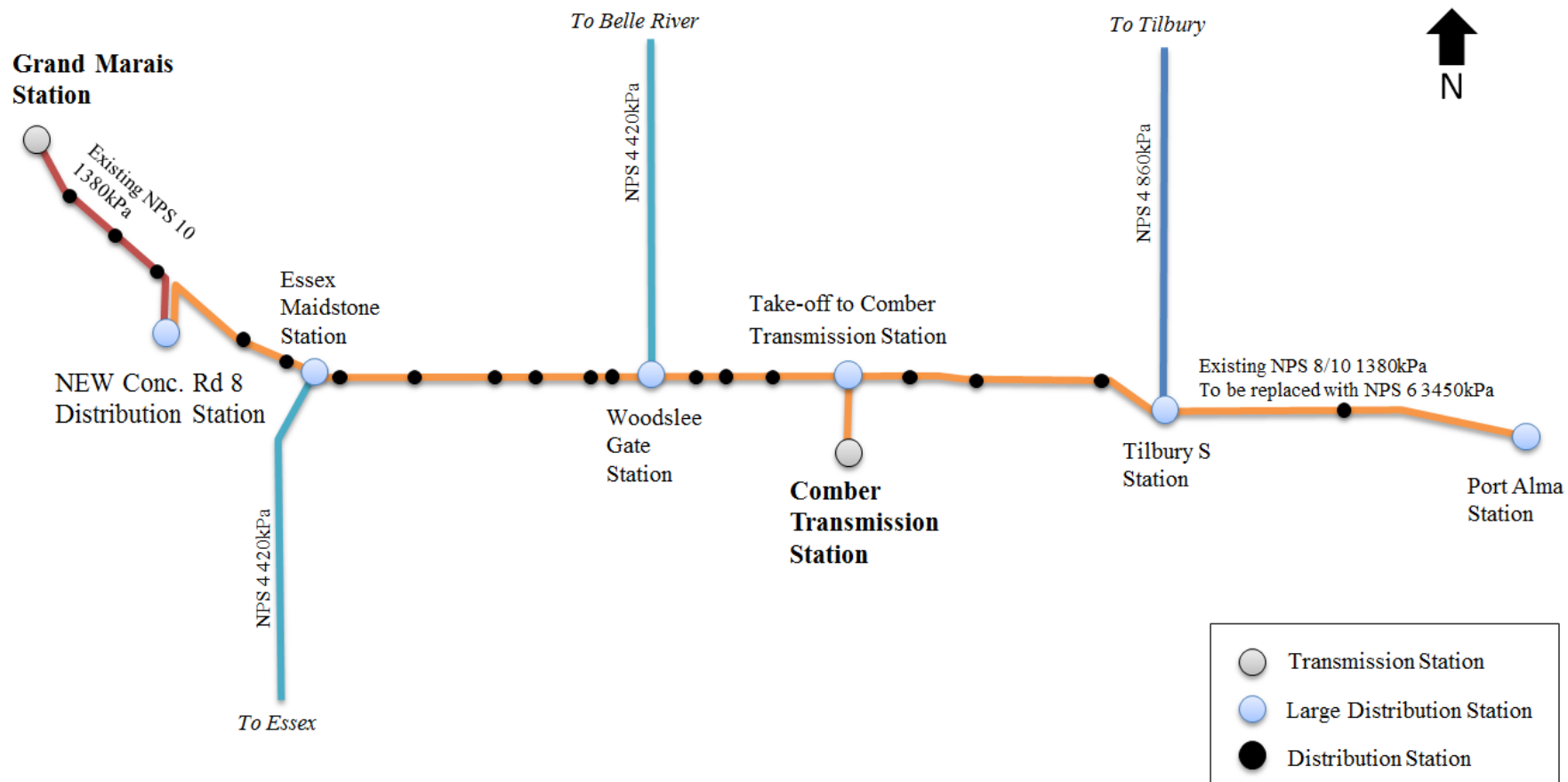
The Municipality of Chatham-Kent fully supports this project and looks forward to an ongoing positive relationship with Enbridge Gas. Should you require any further information, please do not hesitate to contact me at [judys@chatham-kent.ca](mailto:judys@chatham-kent.ca) or 519-360-1998 Ext # 3200.

Sincerely,



Judy Smith, CMO  
Director Municipal Governance  
Clerk /Freedom of Information Coordinator

## SCHEMATIC OF HIGH-PRESSURE SYSTEM



**System Design Criteria for Replacement  
of the  
Windsor Line**

**Enbridge Gas Inc.**

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### 1.1. Document Purpose

The Windsor Line is a large diameter high pressure distribution pipeline which receives gas from the Enbridge Gas Panhandle Transmission System and operates as a feed to a number of downstream distribution systems and also directly fed customers. The Windsor Line serves the predominantly residential and commercial markets within the Town of Lakeshore, portions of Chatham-Kent, the Town of Tecumseh and the City of Windsor (“the Market”). A full schematic of the Windsor Line can be found at Exhibit C, Tab 2, Schedule 1.

A significant portion of the Windsor Line was installed in the 1930s, 1940s and 1950s and all joints prior to the 2000s were made with unrestrained mechanical couplings; portions of the older vintage pipe are also not weldable at certain locations. In addition to this, some sections of the Windsor Line cannot be isolated because of inoperable mainline valves. The Windsor Line also has sections that have poor depth of cover. Based on these integrity concerns and the significant effort and resources spent on repairing leaks on the line, the Windsor Line has been deemed a high risk and has therefore been identified as requiring replacement. This document sets out the guidelines, process and criteria used to review the need for replacement of the Windsor Line, a high pressure pipeline system, and to select the option that best meets the system demands.

The process of selecting the best alternative involves examining existing facilities, forecasting system demand, understanding system operating constraints, identifying a range of replacement alternatives and selecting the best alternative.

### 2.0 Assessment Guidelines

The process of developing a facilities replacement plan for a high pressure pipeline system is summarized below.

#### 1. Validate Model

2. Establish current and future system operating criteria
3. Forecast design day demands
4. Assess existing system demands and capacity
5. Identify alternative ways of serving the current and forecasted demands
6. Select the best alternative

#### 2.1 Validate Model

The hydraulic model for the system in question is validated against actual flow conditions to ensure it properly reflects the current demands and system operation.

#### 2.2 Establish Current and Future System Operating Criteria

This pipeline has a number of operating criteria to ensure it can operate within its constraints:

- Maximum Operating Pressures (MOP) - by code, the pipeline cannot operate in excess of its MOP.
- Minimum Delivery Pressure - the pipeline must meet all required delivery pressures for the customers it services.
- Minimum Inlet Pressure - the pipeline must be able to maintain the minimum pressure requirements into downstream systems.
- Design Day Demands – these are normally the firm customer peak hour demands on a design day. Typically, highest customer demands occur on a very cold day, called the Design Day.
- Design Day Demand Profile - Typically, customers consume natural gas at varying rates over a 24-hour period. Heat sensitive customers generally consume a higher volume of gas in the early morning and the late afternoon. Enbridge Gas is able to reflect the daily consumption pattern by developing profiles for each of its pipelines using historical data. This typical flow profile is then used to generate a peaking factor for steady state modelling which is

applied to customer consumption data to generate the peak hour demands of the system.

- Weather - The Design Day weather condition for the Union South Rate Zone is 43.1 Degree Days (43.1 DD), which represents an average daily temperature of 25.1 degrees centigrade. This temperature is the coldest historical based upon the weather data for the London Airport which consists of recorded temperature and wind speeds from 1953 to 2019. From this data, Enbridge Gas has found the likelihood of a 43.1DD occurring over the course of a winter is a reasonable assumption, with the highest probability of occurrence in mid-January to mid-February. Using the 43.1 DD ensures Enbridge Gas's Union South Rate Zone customers can continue to be reliably served during the coldest winters.

Changes in flow patterns or reinforcement of the Panhandle Transmission System can impact the inlet pressures available to laterals, like the Windsor Line, supplied from that system, which can result in differences between current operating criteria and future ones. Changes in consumption patterns within the Market can also impact the operating criteria.

### 2.3 Forecast Design Day Demand

The Design Day demand is the peak hourly demand of the customers served by the pipeline. Future design day demands for a 20-year period are determined using the customer attachment forecast from the Facilities Business Plan ("FBP").

The FBP is an internal planning tool used by Enbridge Gas for the identification of reinforcement facilities required to support forecasted growth over a specific geographic area. The FBP includes a year-by year customer attachment forecast of demands and their locations on the system. Based on this forecast, future design day demands are used to develop long term reinforcement plans.

Based on the FBP forecast, future facilities requirements for both new business and reinforcement can be identified, economically evaluated based on the OEB's E.B.O. 188 guidelines, optimized and scheduled to meet the future demands on the system.

#### 2.4 Assess Existing Demands and Capacity

The existing system is reviewed to determine the ability of the pipeline facilities to meet the demands of current customers. If the existing system demand is expected to exceed the existing pipeline capacity or the facilities require replacement within two to three years (the lead time required to assess, design, obtain approval and construct facilities if required) the process continues through the following steps.

#### 2.5 Identify Alternatives

If the existing facilities are due for replacement as a result of integrity concerns, then a wide range of alternatives are generated. These may include, but are not limited to:

- replacing the existing pipeline size-for-size;
- replacing the existing pipeline with a different diameter;
- replacing the existing pipeline with a pipeline operating at a different MOP;
- replacing a longer section of the pipeline
- replacing a shorter section of the pipeline
- Joining Previously Independent Distribution Pipelines
- Obtaining supply from non-union Enbridge pipelines
- Reduction of system demand using Demand Side Management ("DSM") options.

#### 2.6 Select Best Alternative

The above alternatives are established during the early stages of a replacement plan. All alternatives are given preliminary review for feasibility, and potential alternatives are organized into a key alternatives list.

Each alternative on the key alternatives list is further evaluated in detail to make a final recommendation for replacement.

Criteria for selecting the best alternative include, but are not limited to:

- economics;
- cost;
- construction feasibility;
- capacity created;
- reliability of supply;
- system integrity benefits;
- other benefits or shortcomings.

The resulting best alternative is carried forward for internal and external approvals.

## 2.7 Summary

Although each situation brings its own unique characteristics, the above guidelines set out the principles to be used for assessing the need for replacement of a high pressure distribution pipeline.

## 3.0 Current Application

This section applies the assessment guidelines as discussed in Section 2.0 above.

### 3.1 Facilities

The following section will describe the facilities of the Windsor Line, including the pipelines and delivery locations.

### 3.1.1 Pipelines

The existing 66 km Windsor Line, the majority of which is NPS 10, is a gas distribution line operating at a pressure of 1380 kPa that runs from the City of Windsor to Port Alma, located in the Municipality of Chatham-Kent.

The earliest portions of this line were installed in the 1930's, with subsequent installations in every decade since. This line primarily serves the residential and commercial markets of Comber, Tilbury, Lakeshore, the southeast areas of Windsor and Tecumseh, and numerous small communities within the Windsor-Essex and Chatham-Kent regions.

The Windsor Line is supplied by the Panhandle Transmission system through two transmission stations. The first is Comber Transmission Station, located on Rochester Townline Road near County Rd 46 (Middle Road). This station reduces the pressure from 6040 kPa to 1380 kPa. Under routine operation, the feed from Comber Transmission Station supports the areas of Comber, Tilbury, Lakeshore, and numerous small communities east of Windsor and within Chatham-Kent. The second feed into the Windsor Line is through Grand Marais Station, located in Windsor at Howard Avenue and Grand Marais Road East. This station reduces the pressure from 4140 kPa to 1380 kPa and feeds the southeast regions of Windsor and Tecumseh under routine operation. These two feeds combine to supply customers throughout The Market.

The Windsor Line can also feed into Port Alma Station, located along Port Road at Talbot Trail, in the Municipality of Chatham-Kent. It is through this connection that the Windsor Line can be used to supply a backfeed into the 1380 kPa Sarnia South Line, the 3450 kPa Leamington East Line and the 3450 kPa Ridgetown Line to supplement gas flows during emergency operations. Under routine operations, the Windsor Line does not flow into these pipelines.

Recently, concerns regarding the operational and financial risks posed by this line have been brought forward. These concerns are outlined in Exhibit B, Tab 1, Schedule 2.

The proposed Project involves replacing approximately 62 km of the existing 66km Windsor Line, from Port Alma Station to near the intersection of Provincial Road (County Rd 46) and Concession Road 8 in the Town of Tecumseh, with 64 km of NPS 6 Steel pipe. This will leave a short length segment (approximately 4 km) of the existing Windsor Line running through the City of Windsor from the intersection of Concession Road 8 and Provincial Road to Grand Marais Transmission Station that will continue to operate at its current parameters. This section will be referred to as the “Remaining Pipeline”. The Remaining Pipeline will continue to be supplied by Grand Marais Transmission Station, regardless of the alternative selected.

### 3.1.2 Pressure Reducing Stations

The Windsor Line, currently supplied through Grand Marais Station and Comber Transmission Station, feeds the Market through twenty-four distribution stations from Port Alma to Windsor. These stations primarily reduce the pressure from the Windsor Line to supply 420 kPa MOP systems, with two exceptions being the Port Alma Station, which can feed into the 1380 kPa Sarnia South Line, 3450 kPa Leamington East Line, the 3450 kPa Ridgetown Line, and the Tilbury South Station, which feeds into an 810 kPa MOP pipeline supplying gas to Tilbury.

### 3.1.3 Distribution Network

The Windsor Line feeds into numerous distribution systems, the largest of which is located in the south east portion of Windsor. This distribution system is supplied through the Covered Wagon Distribution Station and the McGregor Line Station.

### 3.2 Validate Model

The Windsor-Essex hydraulic distribution model was last validated in August 2018 based on actual flow conditions from January 5, 2018, which was a 36.6 Degree Day (DD). Pressures were verified to within 5% of MOP at SCADA monitored station inlets and contract customer stations.

### 3.3 Operating Criteria

The following section will describe the operating criteria of the Windsor Line.

#### 3.3.1 Maximum Operating Pressure

The MOP of the NPS 10 Windsor Line is 1380 kPa. The MOP of the proposed NPS 6 Windsor Line Replacement is 3450 kPa.

#### 3.3.2 Minimum Delivery Pressure

There are two key locations along the Windsor Line where system pressures must be maintained above a specific minimum pressure during a design day. One location is the system constraint between the two Windsor Line feeds, and the other is the system constraint on the portion of the Windsor Line east of Comber Transmission Station. These two key locations are the inlets to the Husky Distribution Station and to the Tilbury South Distribution Station.

The first key location, the Husky Distribution Station, is located in south east Windsor, along Provincial Road (County Rd 46) near Highway 401, and reduces the pressure from the Windsor Line to a 420 kPa MOP system. The Husky Distribution Station has a minimum inlet pressure of 1035 kPa that must be maintained in order to secure reliable gas delivery to residential, commercial and institutional customers downstream. This station is the current constraint along the portion of the Windsor Line between Grand Marais Station and Comber Transmission Station.



The second key location, Tilbury South Distribution Station, is located south of Tilbury along Wheatley Road (County Rd 1) at Goodreau Line. This station reduces the pressure from the Windsor Line to an 860 kPa MOP system that feeds gas into Tilbury.

The Tilbury South Distribution Station has a minimum inlet of 1035 kPa that must be maintained in order to feed the residential, commercial and industrial customers in Tilbury. This station is the current constraint along the portion of the Windsor Line between Comber Transmission Station and Port Alma Station.

As the system demand increases, flow rates in the high pressure pipelines increase, resulting in larger pressure losses. These pressure losses lead to a decrease in the inlet pressure supplied to the Husky Distribution Station and the Tilbury South Distribution Station.

#### 3.4 Existing and Forecast Design Day Demands and Capacity

The design day demands for the Windsor Line system were developed from the 2018 Region of Windsor FBP Study. A summary of the forecasted demands on the Windsor Line is attached to this report in Appendix 2.

#### 3.5 Identify Reinforcement Alternatives

Enbridge Gas considers a broad range of alternatives during the development of a reinforcement plan. These alternatives are investigated at varying levels of detail depending upon their feasibility.

The following alternatives were identified and assessed for the Windsor Line Replacement Project:

*3.5.1 Replacing the Existing Pipeline with a Pipeline Operating at a Different MOP*

*3.5.1.1 Replacing with a 1380kPa MOP Pipeline*

Enbridge Gas reviewed several different pipeline operating pressures when considering alternatives for the Windsor Line Replacement Project. The first maximum operating pressure considered for the Project was to replace approximately 62 km of existing 1380 kPa Windsor Line with a new 64 km pipeline also operating at 1380 kPa.

Enbridge Gas reviewed the option of installing an NPS 6, NPS 8 or an NPS 10 replacement pipeline to continue to serve the existing customers along the current Windsor Line. It was determined that an NPS 6 was the minimum size required for a replacement project operating at a 1380 kPa MOP. However, this option would only provide enough capacity to satisfy the current system demands and would leave very little remaining capacity to support the forecasted system growth. Because this alternative was unable to support the identified growth, this alternative was rejected.

An NPS 8 replacement option was also considered, however this option would only provide enough capacity to support approximately five years of forecasted growth. Considering the new Windsor Mega Hospital is likely to attract large commercial and industrial customers above and beyond the FBP forecast, which is based off of historical attachment trends and known developments up to 200 m<sup>3</sup>/h, it was determined that the NPS 8 option would be a short sighted solution to meet the current system demands. As a result of the inability to support any

significant growth in the high demand areas of southeast Windsor and Tecumseh, this option was rejected.

An NPS 10 option operating at 1380 kPa, a size-for-size replacement of the Windsor Line, was considered as well. This option offers capacity to support significant system-wide growth. However, this option was rejected due to the significant cost increase associated with installing NPS 10 pipe when compared to the proposed NPS 6 replacement project.

As a result of this alternative analysis, it was determined that replacing the Windsor Line with a new pipeline operating at 1380 kPa was an inefficient use of the existing facilities.

Comber Transmission Station, fed directly by the Panhandle Transmission system, has an inlet MOP of 6040 kPa and can supply gas at an outlet pressure to the Windsor Line as high as 3100 kPa on a design day. Replacing the Windsor Line at 1380 kPa would be an inefficient use of available pressures and would drive a larger diameter project when compared to installing a new pipeline operating at a higher MOP. Therefore, the option of replacing the Windsor Line with a new pipeline operating at a 1380 kPa MOP was rejected.

#### 3.5.1.2 Replacing with a 1900 kPa MOP Pipeline

Enbridge Gas also evaluated whether to install a pipeline with a MOP of 1900 kPa. Given the fact that the Remaining Pipeline, the portion of the Windsor Line from Grand Marais Station to the intersection of Provincial Road and Concession Road 8 will not be replaced, a pressure cut would be required between the new, higher MOP Replacement Pipeline and the Remaining Pipeline. This pressure cut is required in order to support identified and additional growth in south east Windsor. Additionally, the pressure cut offers significant operational flexibility in

the case of an emergency or line hit situation. NPS 6, NPS 8, and NPS 10 1900 kPa MOP Replacement Pipeline options were evaluated.

The NPS 6 option was adequate to support the existing loads on the Windsor Line, but was unable to support the FBP growth as outlined in the attached Appendix 2. Because this option could not support the identified system growth, this alternative was eliminated.

An NPS 8 option was also evaluated to support existing loads on the Windsor Line. An NPS 8 replacement operating at a MOP of 1900 kPa would be able to support the identified FBP growth, but would be inadequate to support any significant growth near Windsor beyond the forecasted demand.

This is due to the requirement for a pressure cut at the end of the replacement pipeline, as an appropriate pressure differential must be maintained between the two systems to ensure proper regulator operation. In addition to the concerns about capacity created, this option was estimated at a cost of \$104 Million, representing an approximate a 12% cost increase when compared to the proposed project. As a result of the cost and concerns regarding capacity, this option was rejected.

An NPS 10 option was also considered, however this option would be even more cost prohibitive than the NPS 8 option and was therefore rejected.

As a result of this alternative analysis, it was determined that installing a 1900 kPa MOP replacement to the Windsor Line would not provide adequate capacity to support any growth beyond the FBP forecast of regular rate customers without installing a significantly larger pipe size than the Proposed Pipeline. Additionally, due to the requirement for a pressure cut between the Replacement Pipeline and the Remaining Pipeline, a 1900 kPa MOP would not be able to provide enough of

a pressure differential across the pressure cut while also providing opportunities for growth. It is only when an NPS 10 option was considered that significant growth could be realized. As a result of this limitation and the cost associated with installing an NPS 10 option, this alternative was rejected.

#### 3.5.1.3 Replacing with a 6040 kPa MOP Pipeline

Enbridge Gas also evaluated whether to replace the Windsor Line with a new NPS 12 6040 kPa MOP transmission line, which would be fed directly by the NPS 20 Panhandle Transmission Line. This option would improve the overall Panhandle Transmission system health by offloading the NPS 20 Panhandle Line downstream of Comber Transmission Station. This option also provides increased capacity for growth in the Windsor and Kingsville / Leamington markets.

However, pressures at Comber Transmission Station will not be high enough to utilize the full potential of the increased MOP until significant looping upstream of Comber Transmission Station on the Panhandle Transmission system is installed. Additionally, if growth is not realized in Windsor, the full benefit of this MOP will not be utilized. The increased MOP also poses a concern for customers currently supplied directly by the Windsor Line, as additional distribution assets will need to be installed to continue to serve these customers. Installing an NPS 12 pipeline operating at a MOP of 6040 kPa was initially estimated at a cost of approximately \$191 Million, representing more than a 200% cost increase over the proposed project. Ultimately, due to the substantial cost increase, concerns around feeding the directly connected existing customers, and the inability to fully utilize the capability of this new pipeline, the option of installing a replacement pipeline operating at a MOP of 6040 kPa was rejected.

#### 3.5.1.4 Replacing with a Series of 420 kPa MOP Pipelines

Enbridge Gas also evaluated whether to replace the Windsor Line with an NPS 6 420 kPa MOP pipeline. This pipeline would be supplied by Comber Transmission Station and through a new distribution station that would be installed near Concession Rd 8 in Windsor which would be supplied by the NPS 20 Panhandle Transmission Line near the location of the Sandwich Compressor Station. This option would also result in the abandonment of 19 distribution stations. Replacing the Windsor Line with a NPS 6 420 kPa pipeline would severely decrease the capacity available not only on the Windsor Line but also along numerous downstream distribution systems. This option would also place a new constraint on the Remaining Pipeline, since the backfeed into this system from Comber Transmission Station will be removed as part of this option.

As a result of the severe reduction in capacity of the Windsor Line and the introduction of a new constraint along the Remaining Pipeline, this alternative would not be able to serve the identified growth as outlined in the attached Appendix 2. Due to this limitation, the option of installing a replacement pipeline operating at a MOP of 420 kPa was rejected.

#### 3.5.2 Installing a Different Diameter Pipeline

Enbridge Gas reviewed the option of installing an NPS 4 ST pipeline operating at 3450 kPa. Replacing the Windsor Line with an NPS 4 pipeline would significantly decrease the available capacity along the line, specifically in the high demand areas of southeast Windsor and Tecumseh. The NPS 4 pipeline would be able to sustain the current load requirements, but would be unable to serve the forecasted growth identified in the attached Appendix 2. As a result of this limitation, this option was eliminated.

Enbridge Gas also reviewed the option of installing an NPS 8 ST pipeline operating at 3450 kPa. This alternative would increase the available capacity along the Windsor Line significantly; however the forecasted growth does not predict that this excess capacity will be utilized effectively in the foreseeable future. Due to the inability to justify the increased costs of an NPS 8 replacement pipeline, this alternative was also eliminated.

### 3.5.3 Replacing a Longer Section of the Windsor Line

Enbridge Gas evaluated the option of replacing the entire 66 km Windsor Line with approximately 69 km of NPS 6 pipeline operating at 3450 kPa. This longer replacement would span from Port Alma Station to Grand Marais Station and would include the additional length of the Remaining Pipeline in the project scope.

The Remaining Pipeline is currently a combination of old pipe (1930's-1950's) and new pipe (1990's-2010's). This section of the Windsor Line has not recently exhibited any major leak history and has no active leaks. In addition, all valves along this section of the Windsor Line are fully operable. The Remaining Pipeline also has adequate depth of cover. As a result, this section of the Windsor Line is not subject to the same integrity concerns as the Replacement Pipeline.

Including the Remaining Pipeline in the project scope would result in significant cost increases as this section of the Windsor Line is located in a much more congested area than the Replacement Pipeline. The City of Windsor is currently planning phased road reconstruction projects on Provincial Road, the running line of the Remaining Pipeline, which is expected to take place over the coming years. Enbridge is planning to complete the replacement of portions of the Remaining Pipeline in phases alongside the municipal road work. Additionally, expanding the project scope would result in the need to rebuild an additional 4

stations, including Grand Marais Station, Covered Wagon Distribution Station and McGregor Line Distribution Station. These three stations represent three of the four largest stations by volume currently in service along the existing Windsor Line. As a result of the difficult running line and the inclusion of multiple large stations, expanding the project scope to include the Remaining Pipeline would result in significant cost increases which were estimated at a total project cost of more than \$110 million.

By replacing the entire Windsor Line, the capacity available along the NPS 6 replacement pipeline would be significantly enhanced when compared to the Proposed Pipeline or to the existing NPS 10 Windsor Line.

This capacity increase is a result of the removal of the pressure regulation at the Grand Marais Station which would allow the Windsor Line to operate in common with the NPS 16 3450 kPa MOP Panhandle Line (located between Grand Marais Station and Ojibway Measurement Station). This means that the new 3450 kPa MOP Windsor Line would be dual-fed through both Comber Transmission Station and Grand Marais Station. In addition, by installing the entire line to a 3450 kPa MOP, the need for a pressure cut at the intersection of Concession Road 8 and Provincial Road is eliminated. This in turn eliminates one of the constraints of the Proposed Pipeline. However, based on the identified FBP forecast, this increase in capacity is not required at this time. This incremental capacity created by completing the replacement of the entire Windsor Line would be underutilized in the near future.

Due to the decreased integrity concerns on the Remaining Pipeline, the increased costs associated with expanding the proposed scope and the inability to effectively utilize the extra capacity this project scope would create, this option was rejected. Instead, Enbridge Gas proposes that the Remaining Pipeline be



replaced in the future when the integrity risk of this portion of the line becomes a larger concern or when the capacity created by this replacement is required.

#### 3.5.4 Replacing a Shorter Section of the Windsor Line

Enbridge Gas also evaluated reducing the project scope to replace the Windsor Line from the intersection of Concession Road 8 and Provincial Road, in Windsor, to Wheatley Road (County Road 1) and Goodreau Line, in Coatsworth located in Chatham-Kent. This reduction in scope was designed to replace only the highest risk portion of the Windsor Line, where there are the most significant concerns about the integrity of the pipeline.

The remaining 16 km of the Windsor Line located east of Wheatley Road and Goodreau Line would continue to operate at the 1380 kPa MOP. As part of this reduction in scope, a new distribution station would be required to continue to supply gas into remaining pipeline east of Wheatley Road and Goodreau Line. By not including this section east of Wheatley Road in the project scope, this would be leaving a pipeline in place with the same integrity concerns as the Replacement Pipeline. This section of the Windsor Line was installed nearly exclusively (99.5%) in the 1950's and is joined primarily by unrestrained mechanical couplings. There are also several exposed ditch crossings and areas in agricultural fields with concerns about depth of cover. If this pipeline were not replaced as part of the proposed project, this pipeline will continue to be a significant integrity concern and it is likely that leaks will develop with increasing frequency and severity until the rest of this portion of the pipeline is replaced.

Due to the concerns about the integrity of this portion of the Windsor Line, this alternative was rejected.

### 3.5.5 Joining Previously Independent Distribution Systems

The distribution systems near the Windsor Line are not large enough to serve all of the existing and forecasted demands along the Replacement Pipeline without requiring significant reinforcement and additional facilities. This option was therefore eliminated.

### 3.5.6 Obtaining Supply from Nearby Non-Enbridge Gas Pipelines

There is currently no nearby non-Enbridge Gas pipelines or local producers with facilities or capacity large enough to accommodate the existing and future demands across the Proposed Pipeline.

### 3.5.7 Implementing Demand Side Management

The Proposed Pipeline is not being driven by growth needs, but instead is being driven by integrity concerns of the existing pipeline. As a result, the need for replacement of the Windsor Line cannot be deferred or eliminated by implementing Demand Side Management (DSM). However, Enbridge Gas reviewed the alternative of implementing DSM for customers along the Windsor Line in order to reduce the diameter of the pipeline required for the Windsor Line Replacement Project. As identified in 3.5.2. *Installing a Different Diameter Pipeline*, an NPS 4 pipeline operating at a MOP of 3450 kPa would be undersized to serve the identified demand on the Windsor Line. Enbridge Gas evaluated implementing geo-targeted DSM on the southeast regions of Windsor and Tecumseh to reduce the system peak demand to a point where the NPS 4 option would be able to support the identified growth. Assuming DSM is able to indefinitely reduce the peak demand, it would take over 25 years of continuous DSM implementation before the NPS 4 option would be a viable alternative that would support the existing customers and the identified growth. As a result of this analysis, it was determined that implementing DSM to reduce the required

diameter of the pipeline is not a feasible alternative. Therefore this option was eliminated.

### 3.5.8 Selection of Best Alternative

Enbridge Gas proposes that the best alternative to replace the Windsor Line, of all considered, is to build an NPS 6 pipeline operating at a MOP of 3450 kPa. This 64 km replacement pipeline will run from Port Alma Station, in the municipality of Chatham-Kent, to the intersection of Concession Road 8 and Provincial Rd, in Windsor and will result in the abandonment of approximately 62km of the existing Windsor Line.

This option was chosen as it offers the lowest cost while also providing the required capacity to serve the current and forecasted system demands. While this option does not create any additional capacity when compared to the existing NPS 10 Windsor Line, this option provides the opportunity to increase the system capacity in the future by replacing the Remaining Pipeline with a 3450 kPa MOP pipeline.

## 4.0 Conclusion

Enbridge Gas uses a number of criteria to review the need for reinforcement of a high pressure pipeline operating as the primary feed to several other downstream systems. The process involves examining existing facilities, forecasting system demand, and understanding system operating criteria in order to identify a number of reinforcement alternatives. These alternatives are then investigated at varying levels of detail depending upon project feasibility including engineering, cost, and environmental considerations, and security of supply.

Through this process, Enbridge Gas has identified the most efficient project to provide The Market with higher pressures and more robust gas supplies in order to meet the

growing demand across the Windsor-Essex and Chatham-Kent region. This project is to install a 64 km NPS 6 high pressure distribution pipeline to replace the existing 62 km Windsor Line due to integrity concerns.

# APPENDIX 1

## Summary of Alternatives

Alt #	Alternative Description	Rationale for Decision	Next Facility Required Based on FBP Growth	Cost (\$M)
	Proposed Pipeline Replace with 64km NPS 6 3450kPa MOP from Concession Road 8 to Port Alma	64km NPS 6 3450kPa provides an equivalent capacity to the current Windsor Line while also providing significant opportunity for growth with the completion of the replacement of the Remaining Pipeline	>2040	92.7
<b>Alt 1</b>	Replace with NPS 6 1380kPa MOP from Concession Road 8 to Port Alma	64km NPS 6 1380kPa replacement cannot support growth in Windsor. This alternative can only support the existing system demand	2021	92.0
<b>Alt 2</b>	Replace with NPS 8 1380kPa MOP from Concession Road 8 to Port Alma	64km NPS 8 1380kPa replacement can support up to five years of forecasted growth, however after that point reinforcement will be required. This project is also more expensive than the proposed project while providing less capacity	2025	103.1
<b>Alt 3</b>	Replace with NPS 10 1380kPa MOP from Concession Road 8 to Port Alma	64km NPS 10 1380kPa replacement is a size-for-size replacement of the existing pipeline. While this does provide capacity for system-wide growth, this alternative was rejected due to cost.	>2040	108.4
<b>Alt 4</b>	Replace with NPS 8 3450kPa MOP from Concession Road 8 to Port Alma	64km NPS 8 3450kPa replacement provides more capacity than the Proposed Pipeline; however the forecast cannot justify the increase in cost associated with generating the incremental capacity.	>2040	104.0
<b>Alt 5</b>	Replace with NPS 10 3450kPa MOP from Concession Road 8 to Port Alma	64km NPS 10 3450kPa replacement provides a significant surplus of capacity compared to the Proposed Pipeline, however the forecast cannot justify the increase in cost associated with generating the incremental capacity.	>2040	109.3

<b>Alt 6</b>	Replacing a Longer Section of the Windsor Line	Replacing the entire Windsor Line is not required at this time as the Remaining Pipeline has not presented the same integrity concerns as the rest of the line. Additionally, cost-saving opportunities are available by competing phased replacement projects alongside municipal road reconstruction projects.	>2040	110.6
<b>Alt 7</b>	Replacing a Shorter Section of the Windsor Line	Replacing ~48km NPS 6 3450kPa from Wheatley Road 1 to Concession Road 8 would leave a 16km section of 1950's vintage pipe still in service. This pipe has significant integrity concerns as the rest of the Windsor Line; however it has not exhibited the same leak frequency. Left to operate in its current state, it is only a matter of time before this section of the Windsor Line develops leaks at increasing frequency and severity.	>2040	74.7

## Other alternatives considered and rejected in early analysis

<b>Alt #</b>	<b>Alternative Description</b>	<b>Rationale for Decision</b>
<b>Alt 8</b>	Installing a 1900kPa MOP Pipeline	If the Windsor Line is to be replaced at a higher MOP, a 3450kPa MOP would provide the most capacity with minimal cost increases compared to a 1900kPa MOP.
<b>Alt 9</b>	Installing a 6040kPa MOP Pipeline	The existing transmission and distribution systems would not fully utilize the potential of a 6040kPa line, meaning there is little justification to support the significant increase in cost associated with installing a new transmission line.
<b>Alt 10</b>	Installing a 420kPa MOP	Installing a 420kPa MOP would not provide any significant capacity to accommodate growth, even if the system were reinforced extensively. Growth can only be supported when large diameter pipe is installed, which in turn creates significant cost increases
<b>Alt 11</b>	Joining Previously Independent Distribution Pipelines	No nearby distribution pipelines with adequate capacity to serve the system demands.
<b>Alt 12</b>	Obtaining supply from non-Enbridge pipelines	No nearby pipelines with adequate, reliable capacity to serve the system demands.
<b>Alt 13</b>	Geo-targeted demand side management	The Proposed Pipeline is integrity driven, so DSM cannot defer or eliminate the project need. It was also evaluated to see if DSM would be viable to reduce the size of the proposed project, however it was found that an NPS 4 project could not serve the existing system demand, even with geo-targeted DSM being implemented.

**APPENDIX 2**

**Forecasted attachments based on historical averages and known contract increases**

<b>Residential</b>	<b>Total Attachments</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
<b>New</b>	896	75	82	115	115	114	95	75	75	75	75
<b>Commercial</b>	<b>Total Attachments</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
<b>Small</b>	92	2	2	11	11	11	11	11	11	11	11
<b>Large</b>	8	0	1	1	1	3	0	1	0	1	0
<b>Industrial</b>	<b>Total Attachments</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
<b>Small</b>	7	4	3	0	0	0	0	0	0	0	0
<b>Large</b>	1	1	1	0	0	0	0	0	0	0	0



### TOTAL ESTIMATED PROJECT COSTS

<b>Windsor Line Replacement</b>	<b>Mainline</b>	<b>Stations</b>	<b>Services</b>	<b>Total</b>
Materials	\$4,164,000	\$1,572,000	\$133,000	\$5,869,000
Construction and Labour	\$62,521,000	\$9,031,000	\$2,515,000	\$74,067,000
Contingencies	\$9,975,000	\$1,591,000	\$397,000	\$11,963,000
Interest During Construction	\$725,000	\$120,000	\$0	\$845,000
<b>Estimated Incremental Project Capital Costs</b>	<b>\$77,385,000</b>	<b>\$12,314,000</b>	<b>\$3,045,000</b>	<b>\$92,744,000</b>
Indirect Overhead	\$11,729,000	\$1,866,000	\$466,000	\$14,061,000
<b>Total Estimated Project Capital Costs</b>	<b>\$89,114,000</b>	<b>\$14,180,000</b>	<b>\$3,511,000</b>	<b>\$106,805,000</b>

### PROPOSED PROJECT SCHEDULE

[illegible]



## **PIPELINE ABANDONMENT CHECKLIST**

### **PLANNING**

1. Has subsidence been considered for pipelines having a diameter greater than 323.9 mm (12 inches)?
2. Has the pipeline company notified the landowners and proper authorities (municipalities, MOE, MTO, MNR, etc.) of the abandonment?
3. Have abandonment procedures for crossings been agreed upon by utilities (road, railway, pipelines, etc.) and authorities responsible for rivers and streams crossed by the pipeline?
4. Has consideration been given to the effect of drainage in the area surrounding the abandoned pipeline, which may act as a conduit for ground water after the pipe is perforated by corrosion?
5. Has consideration been given to the removal of all the aboveground facilities?
6. Has consideration been given to any hazards posed to people, equipment, wildlife or livestock by any apparatus left in place above or underground?

### **IMPLEMENTATION**

1. Has the abandoned pipeline been physically isolated from the live pipeline?
2. Has the pipeline been drained of all fluids and adequately cleaned to prevent ground water contamination from hydrocarbon residue on the pipe wall after the pipe is perforated by corrosion?
3. Have all aboveground facilities been removed and has consideration been given to removing underground facilities such as anode beds and tanks?

### **LIABILITY/RISK MANAGEMENT**

1. Does the pipeline company have a contingency plan to remedy any contamination caused by the abandoned pipeline?
2. Has consideration been given to conducting post-abandonment surveillance programs?
3. Has consideration been given to maintaining signage after the pipeline is abandoned?
4. Has consideration been given to providing a locate service after the pipeline is abandoned?

- f) the class location of the pipeline; and
- g) the means of supporting the piping.

### 10.14.3.2

All phases of the hot-tap operation, other than the welding specified in Clause 10.14.3.1, may be completed at pipeline system operating pressures, provided that the maximum working pressure of the hot-tap equipment involved is not exceeded.

**Note:** *It is not necessary to pressure test a hot-tap fitting after installation; however, if pressure testing is performed, damage to the run pipe caused by the external pressure exceeding the internal pressure should be avoided.*

## 10.15 Deactivation and reactivation of piping

### 10.15.1 Deactivation of piping

#### 10.15.1.1

Operating companies deactivating piping shall

- a) isolate the piping, using blind flanges, weld caps, or blanking plates suitable for the pressure from which the deactivated piping is being isolated;
- b) where required, provide a pressure-relief system; and
- c) fill the piping with a suitable medium, having regard for the intended duration of the deactivation, the effects of the medium on the integrity of the piping, and the potential consequences of a leak.

#### 10.15.1.2

For deactivated piping, operating companies shall

- a) maintain external and internal corrosion control as specified in Clause 9;
- b) where considered appropriate, perform other maintenance activities as specified in Clause 10;
- c) maintain records as specified in Clauses 9.11 and 10.4; and
- d) for piping that is deactivated for more than 18 months, annually confirm the suitability of the deactivation methods used, the corrosion control, and other maintenance activities.

### 10.15.2 Reactivation of piping

#### 10.15.2.1

Prior to reactivating piping, the operating company shall conduct an engineering assessment (see Clause 10.1.1) to determine whether the piping would be suitable for its intended service.

#### 10.15.2.2

Where the engineering assessment indicates that the piping would not be suitable for its intended service, the operating company shall implement measures necessary to make it suitable before reactivating the piping.

## Δ 10.16 Abandonment of pipelines and pipe-type storage vessels

### 10.16.1 General

The decision to abandon a section of a pipeline, whether in place or through removal, shall be made on the basis of a documented abandonment plan that includes the rationale for the abandonment, landowner consultation, effect on terrain and water, road and railway crossings, as well as current and

potential land use. The plan shall consider the potential for safety hazards and environmental damage that could be created by ground subsidence, soil admixing or contamination, groundwater contamination, erosion, and the creation of water conduits.

**Note:** *The NEB Pipeline Abandonment: A Discussion Paper on Technical and Environmental Issues, National Energy Board, Section 2 provides guidance.*

### 10.16.2 Buried pipelines

A buried pipeline that is abandoned in place shall be

- a) emptied of service fluids;
- b) purged or appropriately cleaned or both in a manner that leaves no mobile materials remaining in the pipeline;
- c) physically separated from any in-service piping;
- d) capped, plugged, or otherwise effectively sealed;
- e) cut off at pipeline depth; and
- f) left unpressurized.

**Note:** *Pipelines containing liners or constructed of polymeric pipe might require repeat purging and maintenance to accommodate out gassing of hydrocarbon or H<sub>2</sub>S. See Clause 13.2.8.6.*

### 10.16.3 Removal of related surface equipment

A buried pipeline that has been abandoned in place shall have all related surface equipment removed to pipeline depth, except where surface equipment is within an existing surface facility that is in continuing operation or deactivated. Pipeline signage may be left in place where deemed appropriate.

**Note:** *Examples of such equipment are pipeline risers, liner vent piping, casing vents, underground valve vaults or valve extenders, inspection bell holes, and cathodic protection rectifiers, test posts, or anode wiring.*

### 10.16.4 Aboveground pipelines

Abandoned aboveground pipelines and all related surface equipment shall be removed except where they are part of or within an existing surface facility that is in continuing operation or deactivated.

### 10.16.5 Records

**C** There is a commentary available for this Clause.

Records shall be created and maintained for all of the work conducted to meet the requirements of Clauses 10.16.1 to 10.16.3. Additional records for pipelines that are abandoned in place shall include lengths, diameter, material type (e.g., metallic or non-metallic), spatial characteristics, and where practical, burial depth.

## Δ 10.17 Abandonment of pipeline related facilities

### 10.17.1 General

Pipeline related facilities such as compressors and pump stations shall have all rotating and fixed equipment removed, unless they are still part of an operating or deactivated site. Associated piping, utilities, supports, and foundations shall also be removed.

**Note:** *Testing for site soil contamination and appropriate remediation might be required.*



### GENERAL TECHNIQUES AND METHODS OF CONSTRUCTION

1. Enbridge Gas Inc. ("Enbridge Gas") will ensure adequate inspection staff is onsite to enforce Enbridge Gas's construction specifications and *Ontario Regulation 210/01 under the Technical Standards and Safety Act 2000, Oil and Gas Pipeline Systems*.
2. Pipeline construction can be divided into several crews that create a mobile assembly line. Each crew can perform a different function, with a finished product left behind when the last crew has completed its work.
3. Enbridge Gas' contract specifications and the use of Book 7 TCP, require the contractor to erect safety barricades, fences, signs or flashers, or to use flag persons as may be appropriate, around any excavation across or along a road.
4. It is Enbridge Gas's policy to restore the areas affected by the construction of the pipeline to "as close to original condition" as possible. As a guide to show the "original condition" of the area, photos and/or a video will be taken before any work commences. When the clean-up is completed, the approval of the landowner or appropriate government authority is obtained.
5. Construction of the pipeline includes the following activities:

#### Locating Running Line

6. Enbridge Gas establishes the location where the pipeline is to be installed ("the running line"). For pipelines within road allowances, the adjacent property lines are identified and the running line is set at a specified distance from the property line. For pipelines located on private easement, the easement is surveyed and the running line is set at the specified distance from the edge of the easement.

The distance from the start of the pipeline (or other suitable point) is marked on the pipeline stakes and the drawings.

#### Clearing and Grading

7. The right-of-way is prepared for the construction of the pipeline. When required, bushes, trees and crops are removed, and the ground leveled. When required, the topsoil is stripped and stored, and/or sod is lifted.

#### Removing Existing Pipeline

8. Once the new pipeline is put into operation and all customers are transferred over to it, the existing NPS 10 and NPS 8 pipelines will be isolated, deactivated and removed where identified on the alignment drawings. The remaining trench is then backfilled.

#### Abandoning Existing Pipeline

9. The existing pipe within road allowance and in environmentally sensitive areas may be abandoned in place as per Enbridge Gas's abandonment specifications. The abandoned sections are cut into pieces and capped at lengths specified in the abandonment specification. Abandoned sections under roads, drains and streams will be capped and filled with grout.

#### Stringing

10. The joints of pipe are laid end-to-end on supports that keep the pipe off the ground to prevent damage to the pipe coating.

#### Welding

11. The pipe is welded into manageable lengths. The welds are non-destructively examined and then coated.

### Burying

12. Pipe may be buried using either the trench method or the trenchless method.  
All utilities that will be crossed or paralleled by the pipeline are located prior to installing the pipeline. Prior to trenching, all such utilities will be hand-located or hydro vacuumed.

### Trench Method

13. Trenching is done by using a trenching machine or hoe excavator depending upon the ground conditions. Provisions are made to allow residents access to their property, as required. All drainage tiles that are cut during the trench excavation are flagged to signify that a repair is required. All tiles are measured and recorded as to size, depth, type and quality. This information is kept on file with Enbridge Gas. If a repair is necessary in the future, Enbridge Gas will have an accurate method of locating the tile. Next, the pipe is lowered into the trench. For steel pipe, the pipe coating is tested using a high voltage electrical test prior to the pipe being lowered into the trench. All defects in the coating are repaired before the pipe is lowered in. If the native soil from the trench is suitable for backfill, it is backfilled. If the soil is not suitable for backfill the trench is backfilled with suitable material such as sand. After the trench is backfilled, drainage tile is repaired.

### Trenchless Method

14. Trenchless methods are alternate methods used to install pipelines under railways, roads, sidewalks, trees and environmentally sensitive areas. The trenchless method proposed for the NPS 6 pipeline is directional drilling. This method involves setting up a receiving hole and an exit hole, drilling a pilot hole on the design path, reaming the pilot hole larger by passing a cutting tool and pulling the pipe back through the bored hole



Tie-Ins

15. The sections of pipelines that have been buried using either the trench or trenchless method are joined together (tied-in).

Cleaning and Testing

16. To complete the construction, the pipeline is cleaned and hydrostatically pressure tested in accordance with Enbridge Gas's specifications.

Restoration

17. The final activity is the restoration. The work area is leveled, the sod is replaced in lawn areas and other grassed areas are re-seeded. Where required, concrete, asphalt and gravel are replaced to return the areas to as close to the original conditions as possible.

**ENVIRONMENTAL REPORT  
BY STANTEC CONSULTING LTD.**

The Environmental Report prepared by Stantec Consulting Ltd. has been filed with the Board under separate cover due to the size of the report.

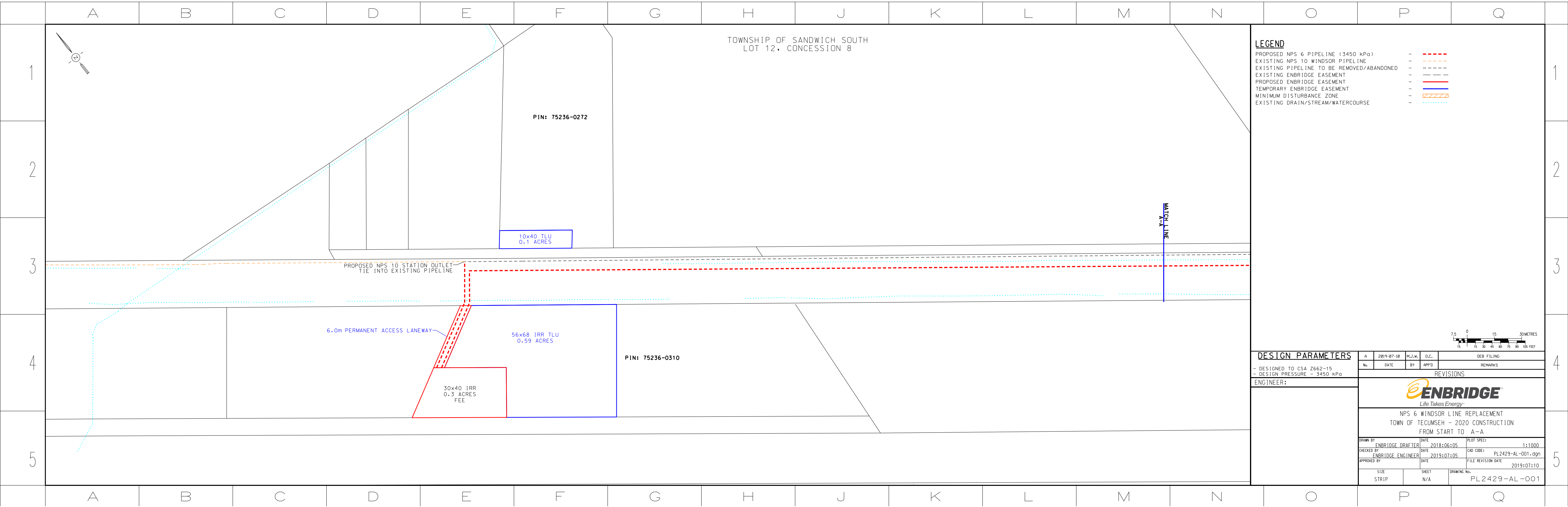
For ease of reference the Environmental Report can be found at the following link under the 'Projects Tab':

<https://www.uniongas.com/>.

**Summary of Comments**

**TO BE FILED WHEN RECEIVED**

PROPOSED PIPELINE LOCATION



TOWNSHIP OF SANDWICH SOUTH  
LOT 12, CONCESSION 8

PIN: 75236-0272

10x40 TLU  
0.1 ACRES

PROPOSED NPS 10 STATION OUTLET  
TIE INTO EXISTING PIPELINE

6.0m PERMANENT ACCESS LANEWAY

56x68 IRR TLU  
0.59 ACRES

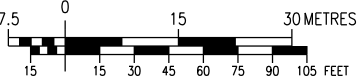
PIN: 75236-0310

30x40 IRR  
0.3 ACRES  
FEE

LEGEND

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- EXISTING NPS 10 WINDSOR PIPELINE - [Orange dashed line]
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - [Grey dashed line]
- EXISTING ENBRIDGE EASEMENT - [Black dashed line]
- PROPOSED ENBRIDGE EASEMENT - [Red solid line]
- TEMPORARY ENBRIDGE EASEMENT - [Blue solid line]
- MINIMUM DISTURBANCE ZONE - [Orange hatched area]
- EXISTING DRAIN/STREAM/WATERCOURSE - [Cyan dotted line]

MATCH LINE  
A-A



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APPD	REMARKS

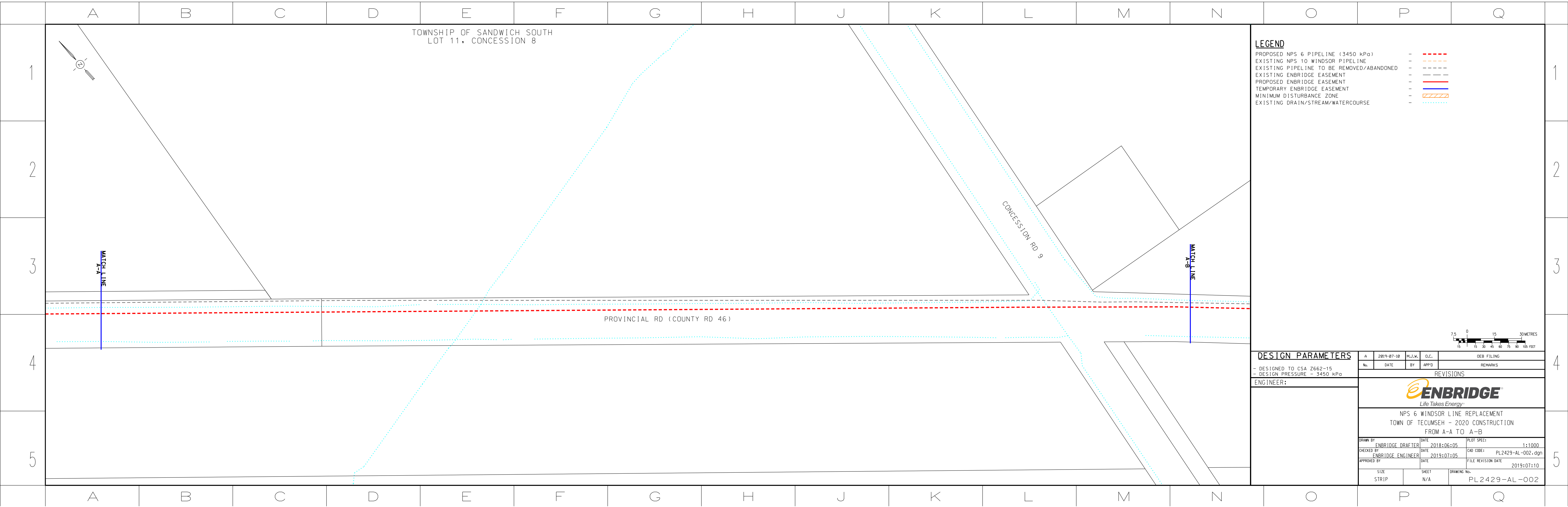
REVISIONS



NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF TECUMSEH - 2020 CONSTRUCTION  
FROM START TO A-A

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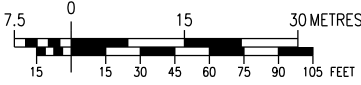
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LOT 11, CONCESSION 8

CONCESSION RD 9

PROVINCIAL RD (COUNTY RD 46)

**LEGEND**

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- EXISTING NPS 10 WINDSOR PIPELINE - ---
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - ---
- EXISTING ENBRIDGE EASEMENT - ---
- PROPOSED ENBRIDGE EASEMENT - ---
- TEMPORARY ENBRIDGE EASEMENT - ---
- MINIMUM DISTURBANCE ZONE - / / /
- EXISTING DRAIN/STREAM/WATERCOURSE - ...



**DESIGN PARAMETERS**

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

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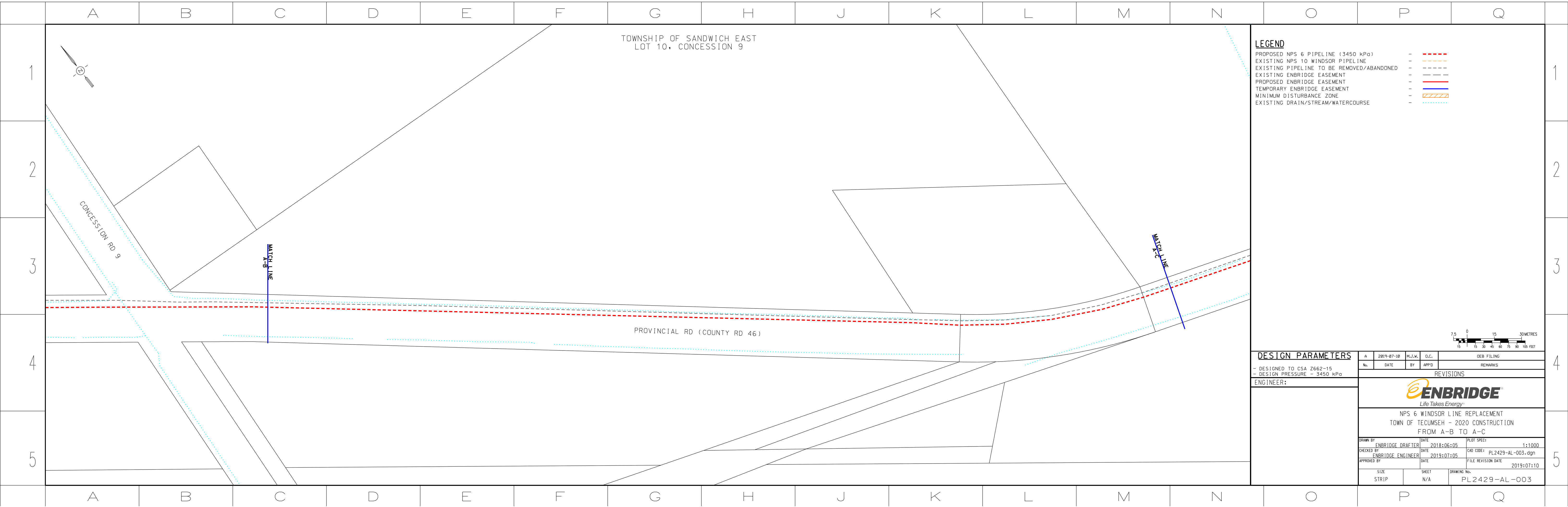
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NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF TECUMSEH - 2020 CONSTRUCTION  
FROM A-A TO A-B

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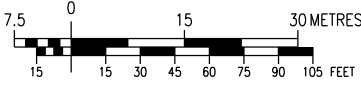
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TOWNSHIP OF SANDWICH EAST  
LOT 10, CONCESSION 9

LEGEND

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- EXISTING NPS 10 WINDSOR PIPELINE - [Orange dashed line]
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - [Grey dashed line]
- EXISTING ENBRIDGE EASEMENT - [Black dashed line]
- PROPOSED ENBRIDGE EASEMENT - [Red solid line]
- TEMPORARY ENBRIDGE EASEMENT - [Blue solid line]
- MINIMUM DISTURBANCE ZONE - [Orange hatched area]
- EXISTING DRAIN/STREAM/WATERCOURSE - [Cyan dotted line]



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

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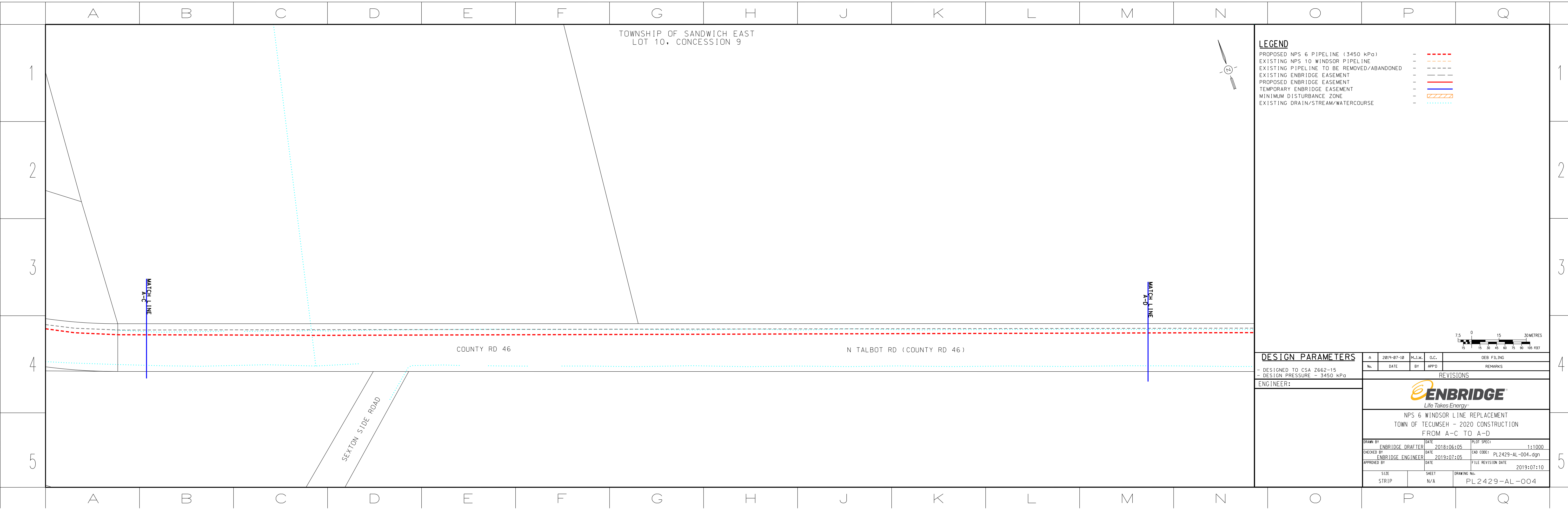
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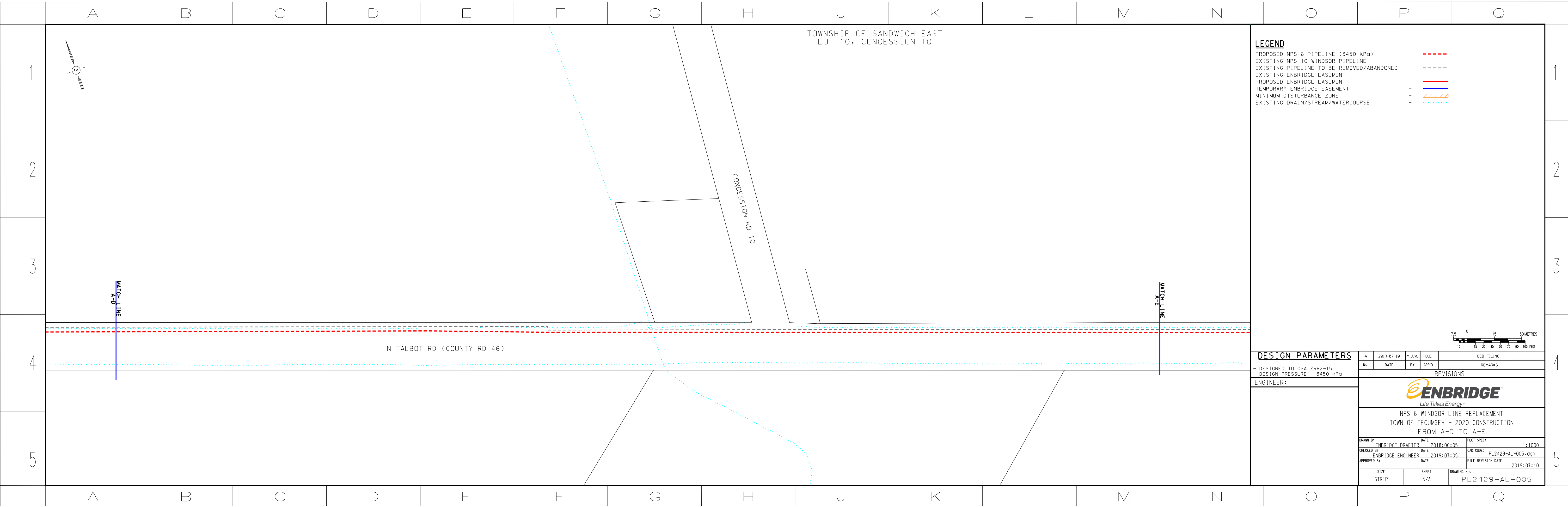
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TOWN OF TECUMSEH - 2020 CONSTRUCTION  
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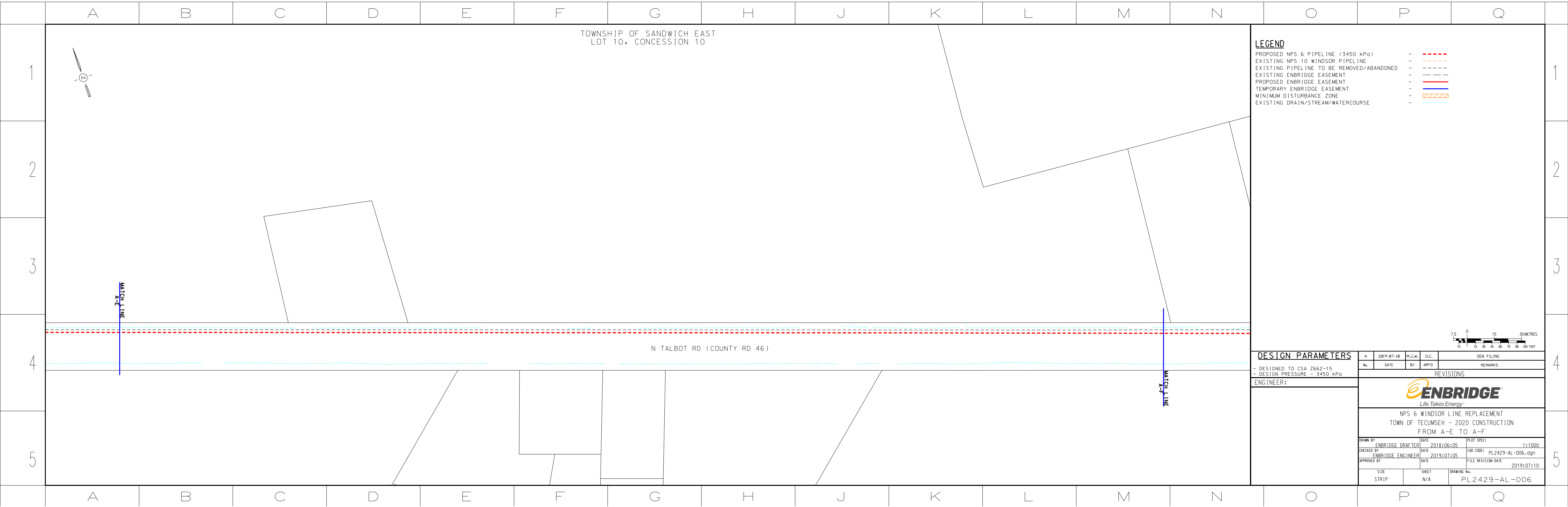
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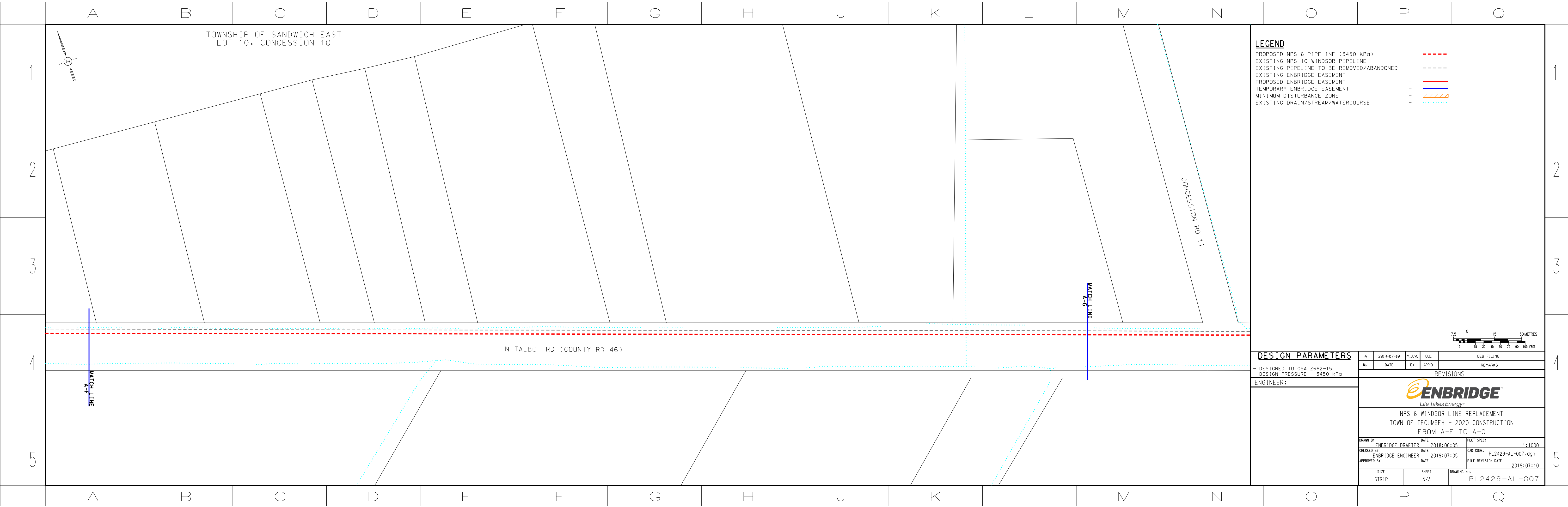
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TOWNSHIP OF SANDWICH EAST  
LOT 10, CONCESSION 10


LEGEND

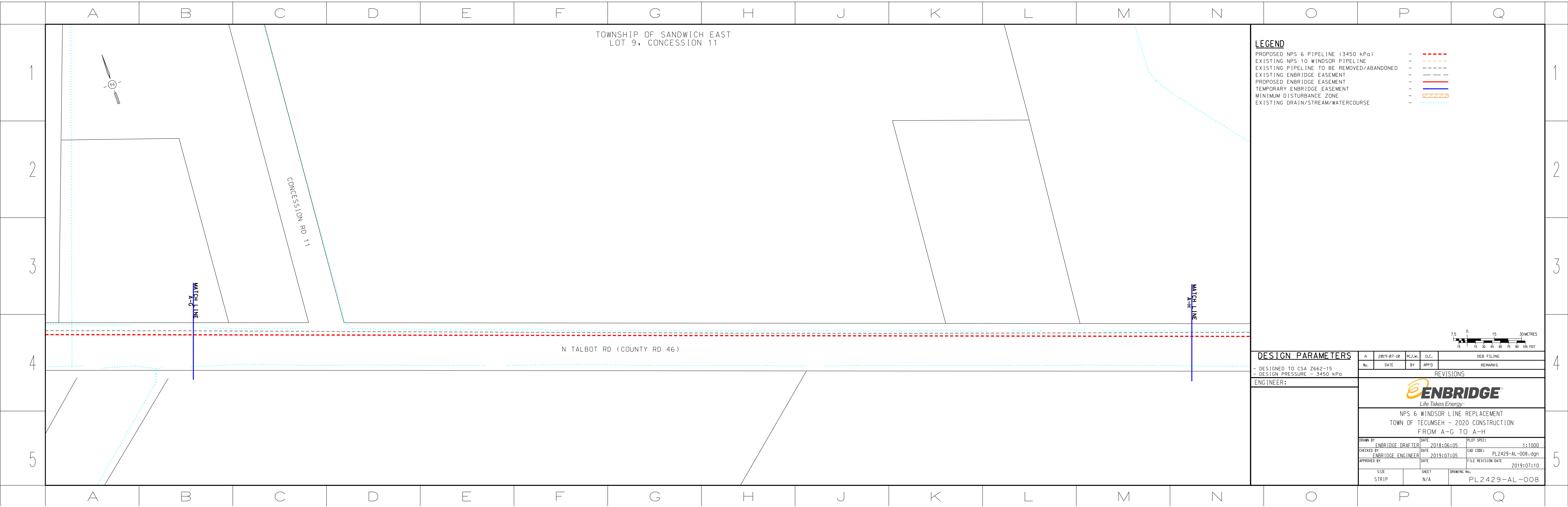
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- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
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DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

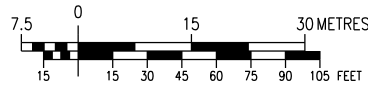
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TOWNSHIP OF SANDWICH EAST  
LOT 9, CONCESSION 11

LEGEND

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- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APPD	REMARKS

No.	DATE	BY	APPD	REMARKS
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REVISIONS

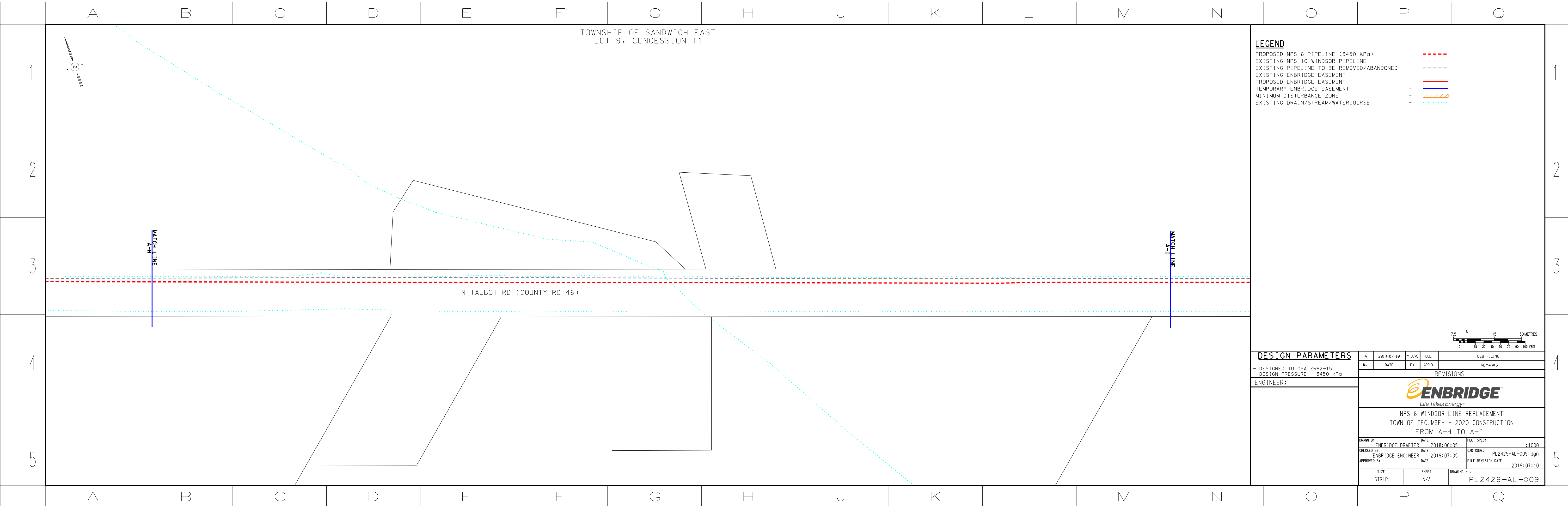
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NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF TECUMSEH - 2020 CONSTRUCTION  
FROM A-G TO A-H

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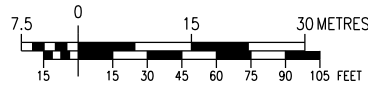
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TOWNSHIP OF SANDWICH EAST  
LOT 9, CONCESSION 11

LEGEND

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- EXISTING ENBRIDGE EASEMENT - [Black dashed line]
- PROPOSED ENBRIDGE EASEMENT - [Red solid line]
- TEMPORARY ENBRIDGE EASEMENT - [Blue solid line]
- MINIMUM DISTURBANCE ZONE - [Orange hatched box]
- EXISTING DRAIN/STREAM/WATERCOURSE - [Cyan dotted line]



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

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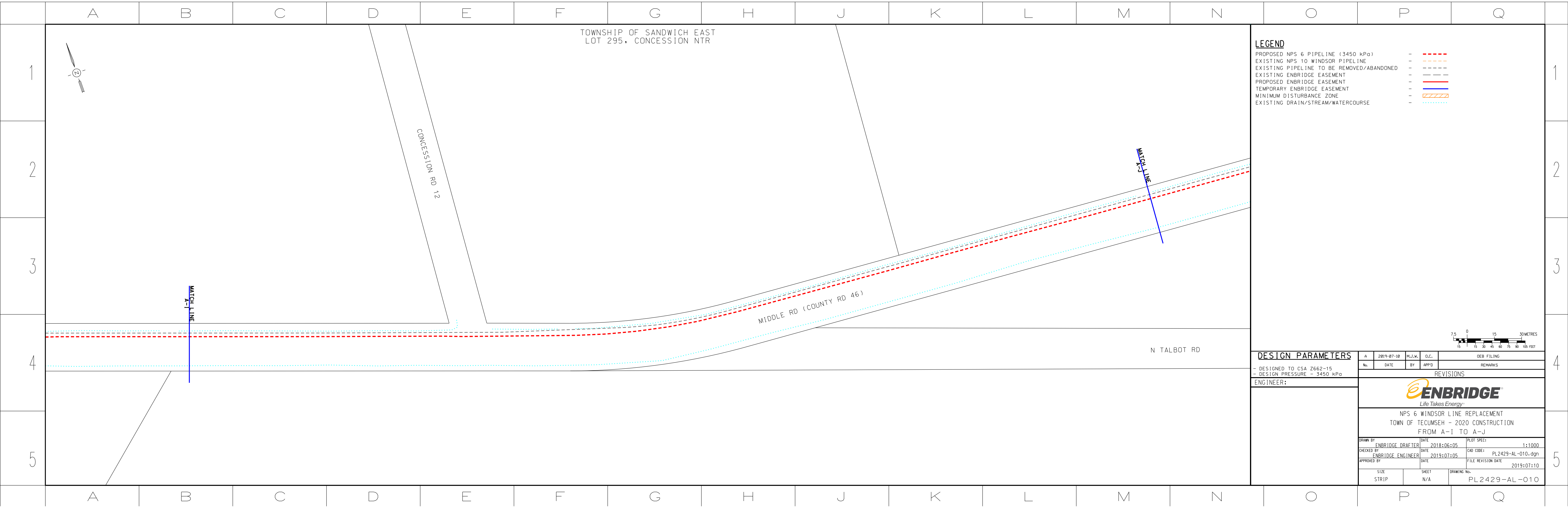
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NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF TECUMSEH - 2020 CONSTRUCTION  
FROM A-H TO A-I

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TOWNSHIP OF SANDWICH EAST  
LOT 295, CONCESSION NTR

CONCESSION RD 12

MIDDLE RD (COUNTY RD 46)

N TALBOT RD

MATCH LINE  
A-I

MATCH LINE  
A-J

### LEGEND

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EXISTING NPS 10 WINDSOR PIPELINE	-	---
EXISTING PIPELINE TO BE REMOVED/ABANDONED	-	---
EXISTING ENBRIDGE EASEMENT	-	---
PROPOSED ENBRIDGE EASEMENT	-	---
TEMPORARY ENBRIDGE EASEMENT	-	---
MINIMUM DISTURBANCE ZONE	-	---
EXISTING DRAIN/STREAM/WATERCOURSE	-	---

### DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
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No.	DATE	BY	APP'D	REMARKS
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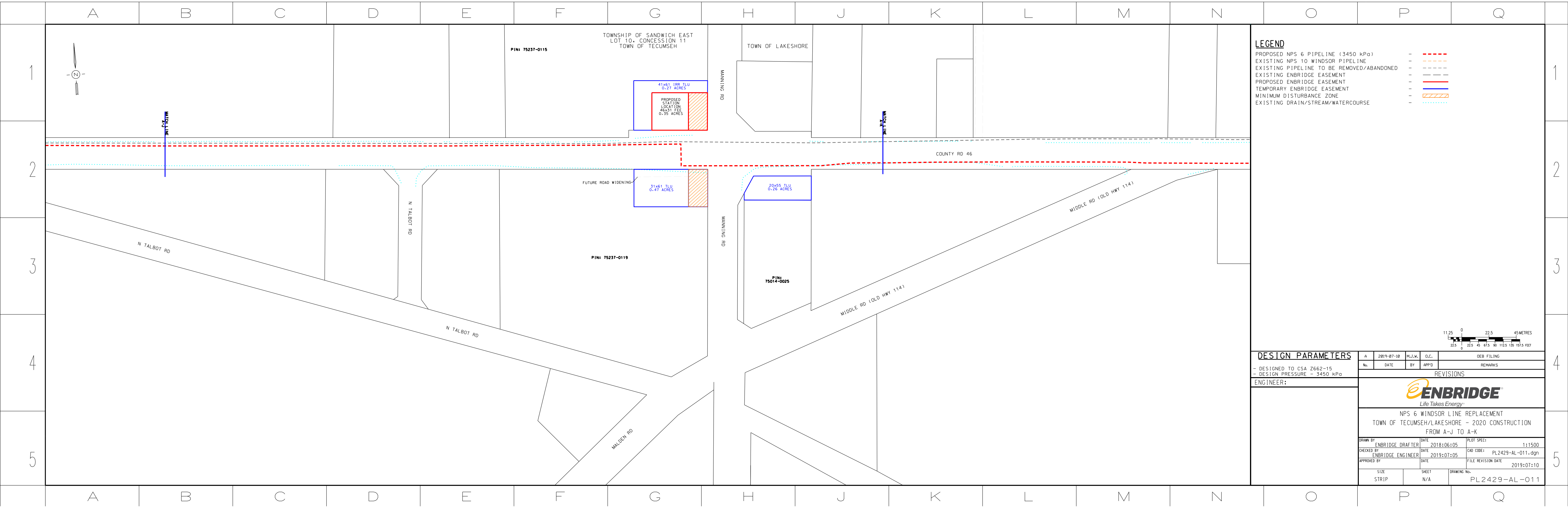
### REVISIONS



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TOWN OF TECUMSEH - 2020 CONSTRUCTION  
FROM A-I TO A-J

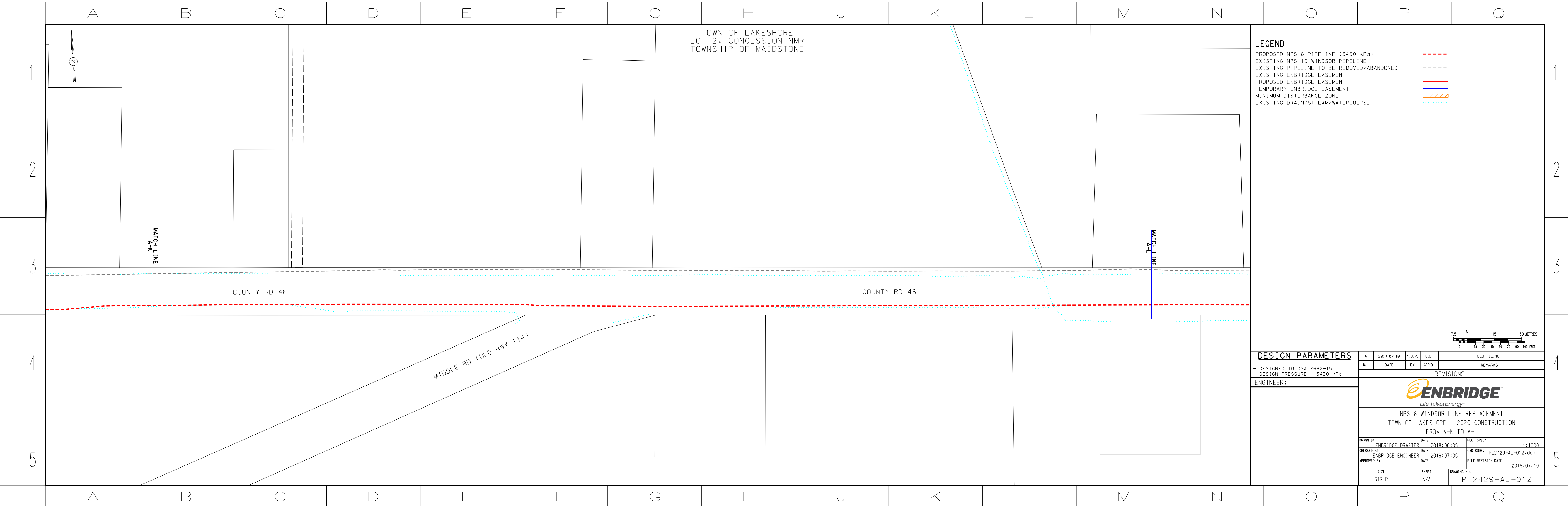
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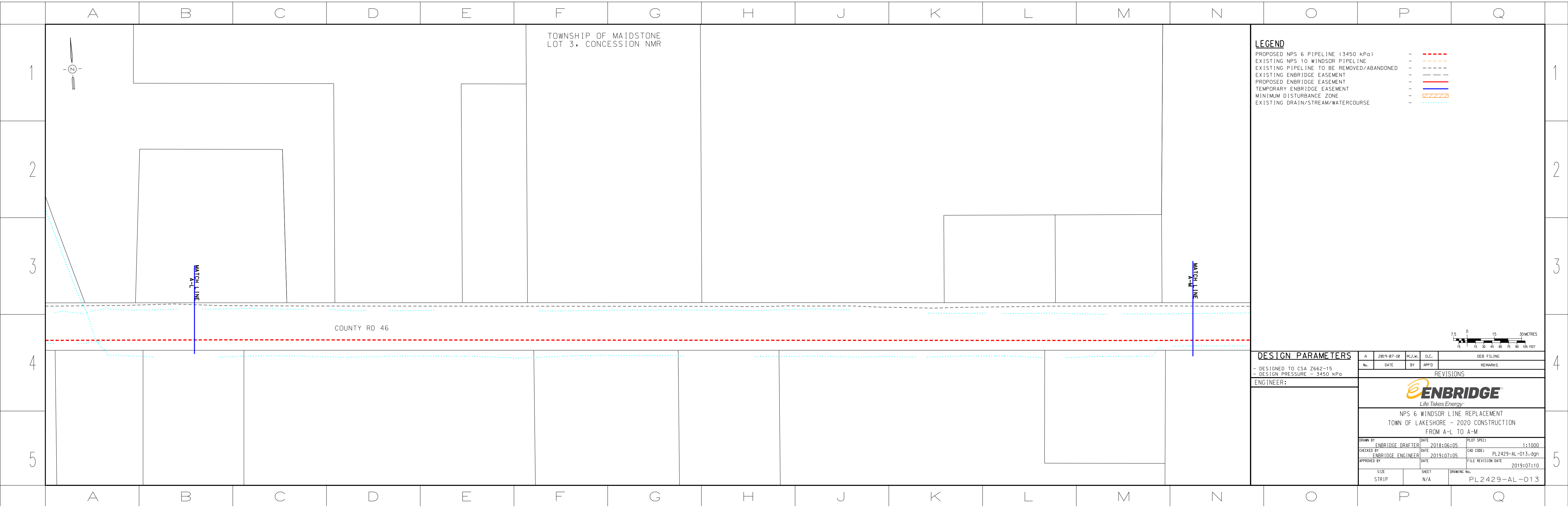


- LEGEND**
- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
  - EXISTING NPS 10 WINDSOR PIPELINE - - - - -
  - EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
  - EXISTING ENBRIDGE EASEMENT - - - - -
  - PROPOSED ENBRIDGE EASEMENT - - - - -
  - TEMPORARY ENBRIDGE EASEMENT - - - - -
  - MINIMUM DISTURBANCE ZONE - - - - -
  - EXISTING DRAIN/STREAM/WATERCOURSE - - - - -

DESIGN PARAMETERS					REVISIONS				
- DESIGNED TO CSA Z662-15 - DESIGN PRESSURE - 3450 kPa					No.	DATE	BY	APP'D	REMARKS
ENGINEER:					ENBRIDGE® Life Takes Energy®				
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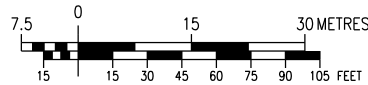




TOWNSHIP OF MAIDSTONE  
LOT 3, CONCESSION NMR

LEGEND

- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
- EXISTING NPS 10 WINDSOR PIPELINE - - - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

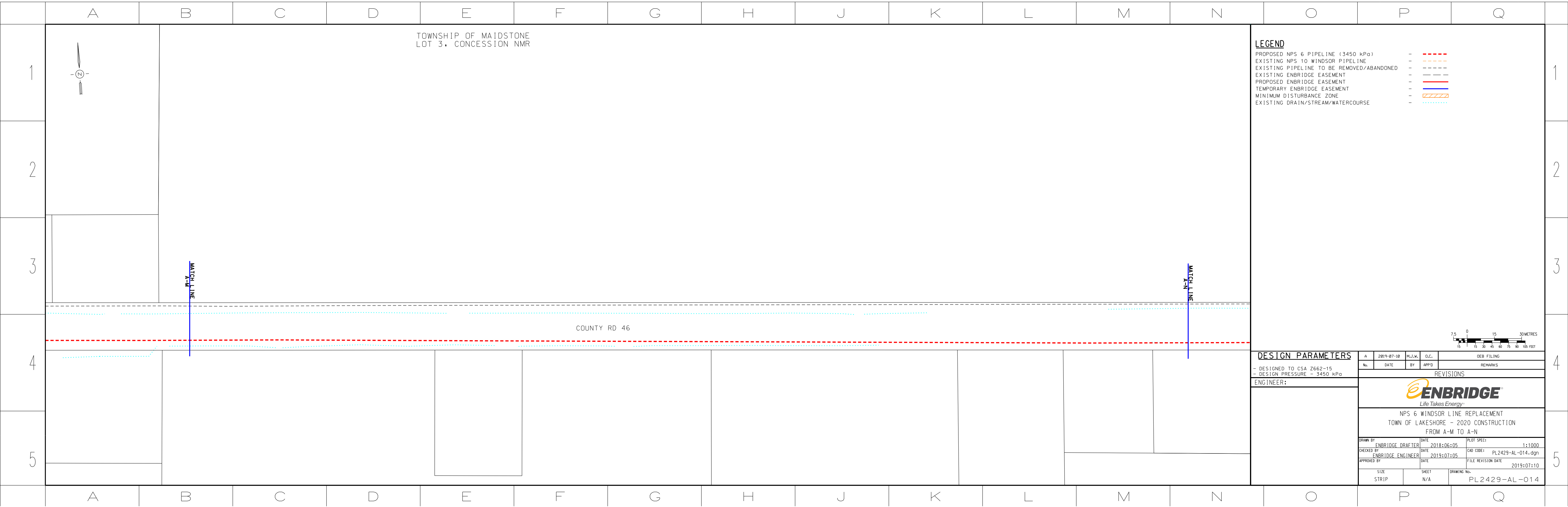
No.	DATE	BY	APPD	REMARKS

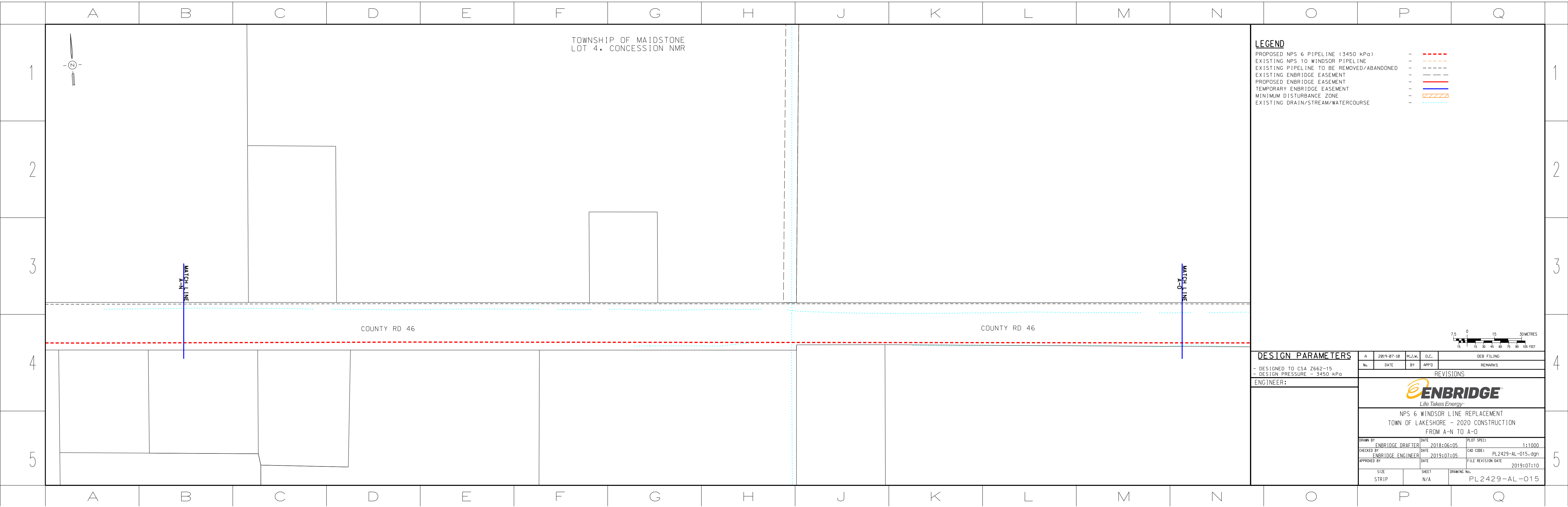


NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE - 2020 CONSTRUCTION  
FROM A-L TO A-M

DRAWN BY	DATE	PLOT SPEC:
ENBRIDGE DRAFTER	2018:06:05	1:1000
CHECKED BY	DATE	CAD CODE:
ENBRIDGE ENGINEER	2019:07:05	PL2429-AL-013.dgn
APPROVED BY	DATE	FILE REVISION DATE
		2019:07:10

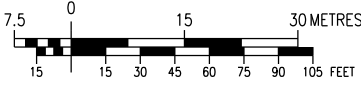
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STRIP	N/A	PL2429-AL-013



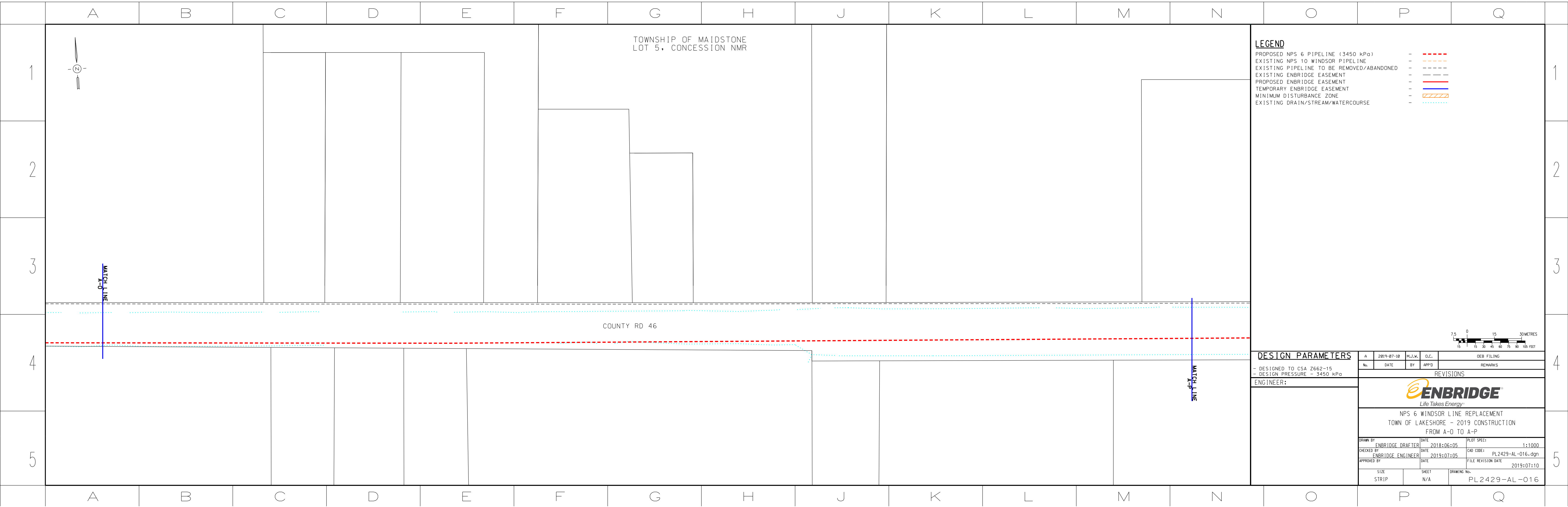


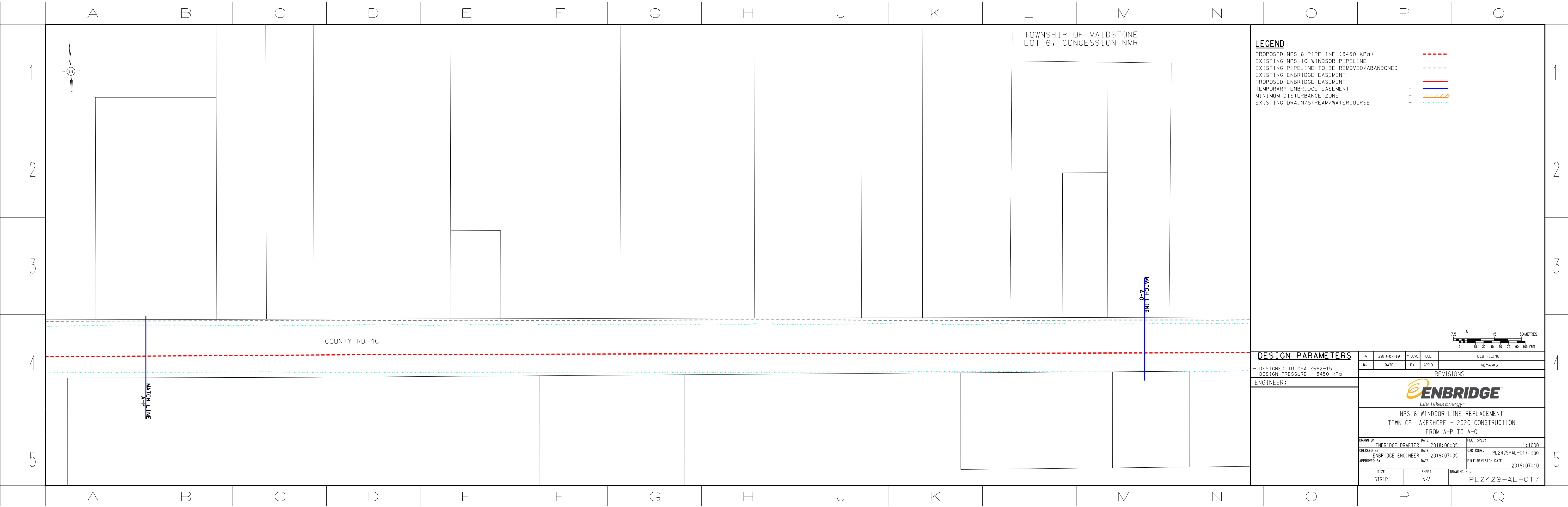
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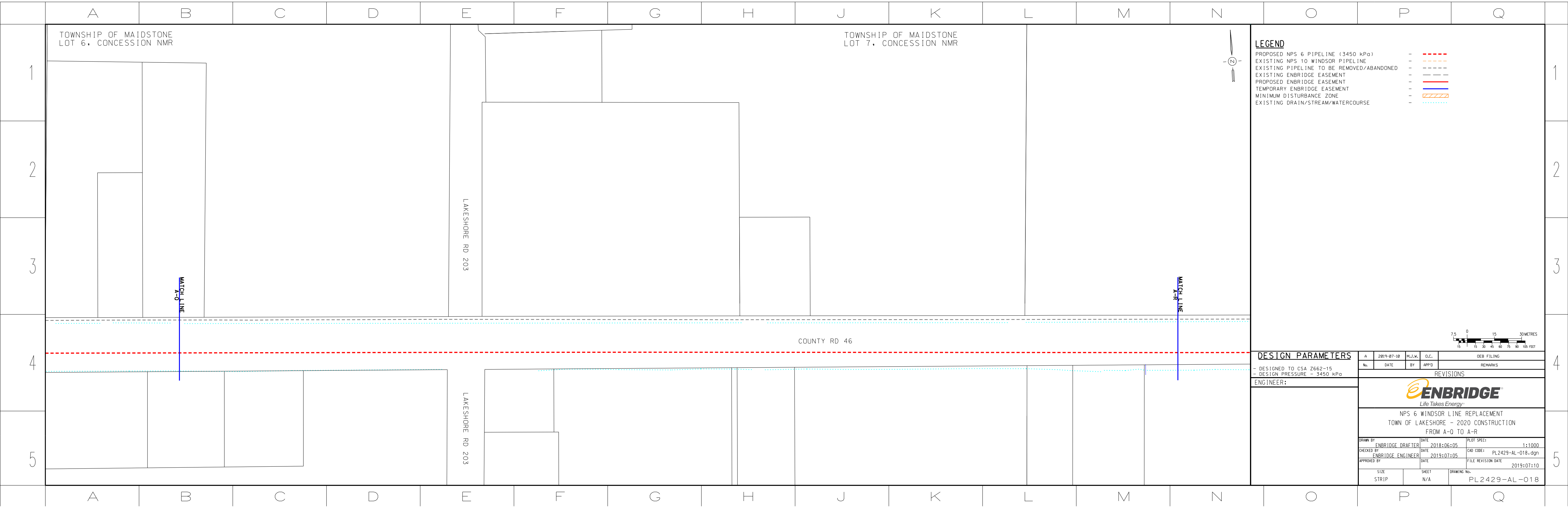
PROPOSED NPS 6 PIPELINE (3450 kPa)	-	---
EXISTING NPS 10 WINDSOR PIPELINE	-	- - - -
EXISTING PIPELINE TO BE REMOVED/ABANDONED	-	- - - -
EXISTING ENBRIDGE EASEMENT	-	- - - -
PROPOSED ENBRIDGE EASEMENT	-	---
TEMPORARY ENBRIDGE EASEMENT	-	---
MINIMUM DISTURBANCE ZONE	-	///
EXISTING DRAIN/STREAM/WATERCOURSE	-	...



<b>DESIGN PARAMETERS</b>				A		2019-07-10		M.J.W.		O.C.		OEB FILING	
- DESIGNED TO CSA Z662-15 - DESIGN PRESSURE - 3450 kPa				No.		DATE		BY		APP'D		REMARKS	
ENGINEER:				REVISIONS									
				NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2020 CONSTRUCTION FROM A-N TO A-O									
				DRAWN BY ENBRIDGE DRAFTER				DATE 2018:06:05		PLOT SPEC: 1:1000			
				CHECKED BY ENBRIDGE ENGINEER				DATE 2019:07:05		CAD CODE: PL2429-AL-015.dgn			
				APPROVED BY				DATE		FILE REVISION DATE 2019:07:10			
SIZE STRIP		SHEET N/A		DRAWING No. PL2429-AL-015									

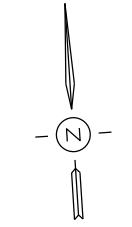




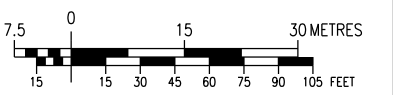


TOWNSHIP OF MAIDSTONE  
LOT 6, CONCESSION NMR

TOWNSHIP OF MAIDSTONE  
LOT 7, CONCESSION NMR



LEGEND		
PROPOSED NPS 6 PIPELINE (3450 kPa)	-	---
EXISTING NPS 10 WINDSOR PIPELINE	-	- - - -
EXISTING PIPELINE TO BE REMOVED/ABANDONED	-	- - - -
EXISTING ENBRIDGE EASEMENT	-	- - - -
PROPOSED ENBRIDGE EASEMENT	-	---
TEMPORARY ENBRIDGE EASEMENT	-	---
MINIMUM DISTURBANCE ZONE	-	///
EXISTING DRAIN/STREAM/WATERCOURSE	-	...



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

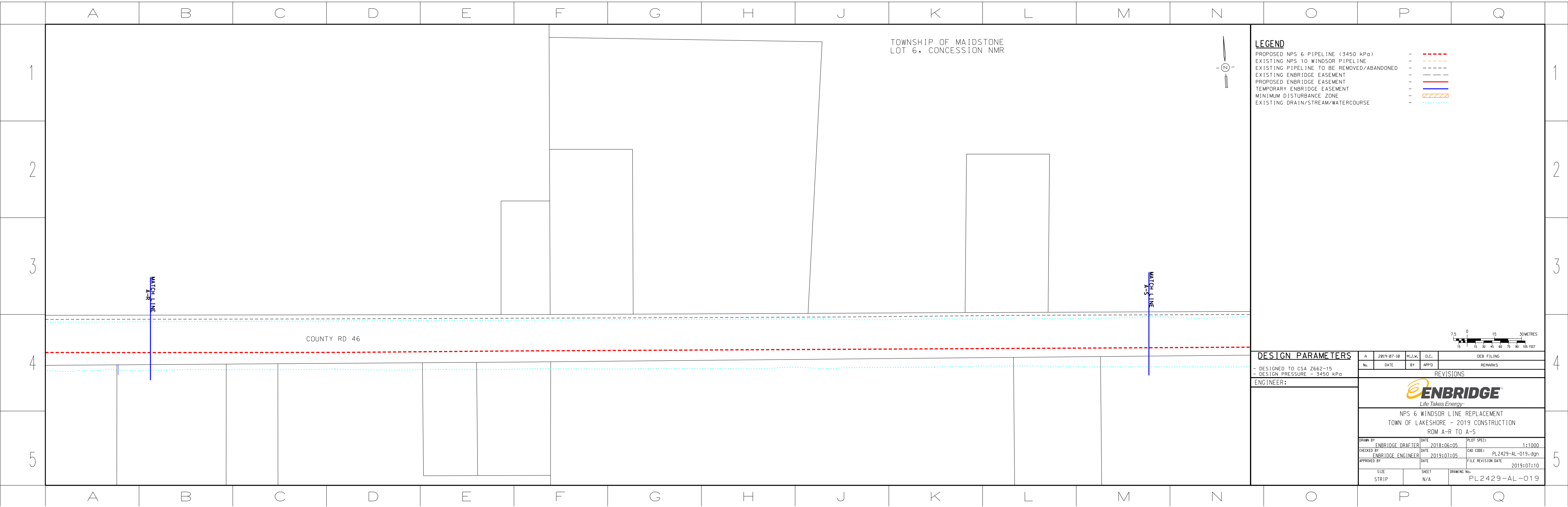
A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APPD	REMARKS

ENGINEER:

NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE - 2020 CONSTRUCTION  
FROM A-Q TO A-R

DRAWN BY	ENBRIDGE DRAFTER	DATE	2018:06:05	PLOT SPEC:	1:1000
CHECKED BY	ENBRIDGE ENGINEER	DATE	2019:07:05	CAD CODE:	PL2429-AL-018.dgn
APPROVED BY		DATE		FILE REVISION DATE	2019:07:10

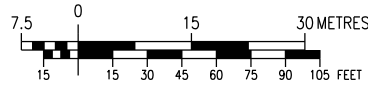
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STRIP	N/A	PL2429-AL-018



TOWNSHIP OF MAIDSTONE  
LOT 6, CONCESSION NMR

**LEGEND**

- PROPOSED NPS 6 PIPELINE (3450 kPa) - ---
- EXISTING NPS 10 WINDSOR PIPELINE - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - -
- EXISTING ENBRIDGE EASEMENT - - -
- PROPOSED ENBRIDGE EASEMENT - - -
- TEMPORARY ENBRIDGE EASEMENT - - -
- MINIMUM DISTURBANCE ZONE - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - -



**DESIGN PARAMETERS**

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APPD	REMARKS

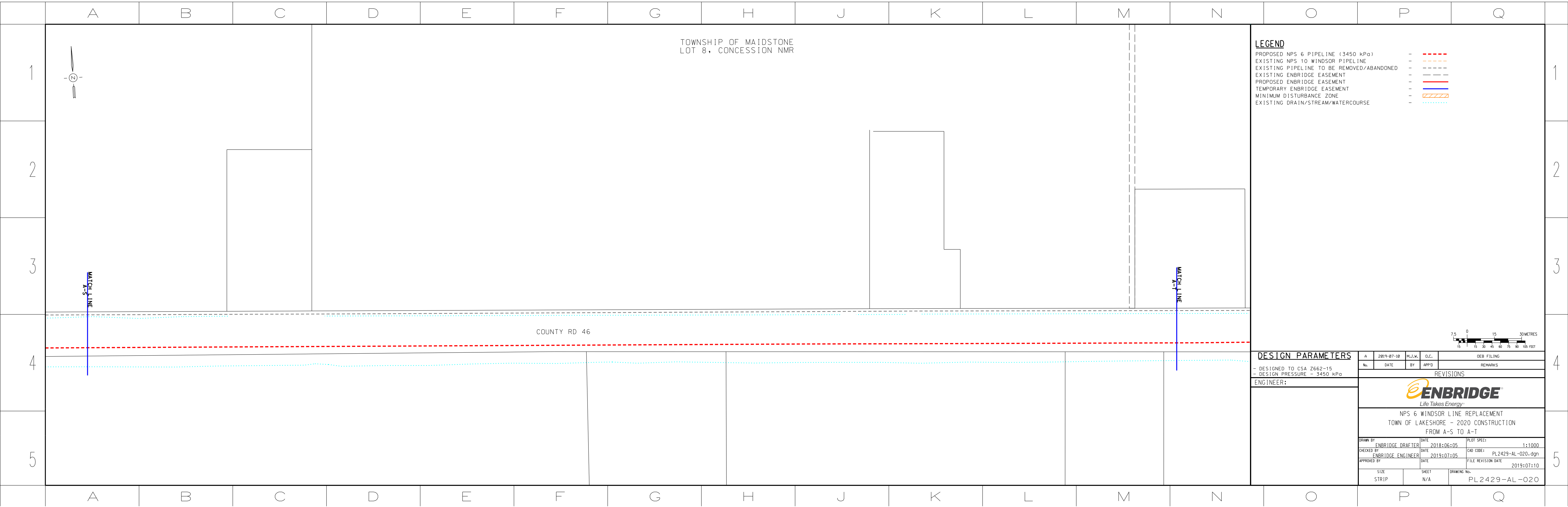
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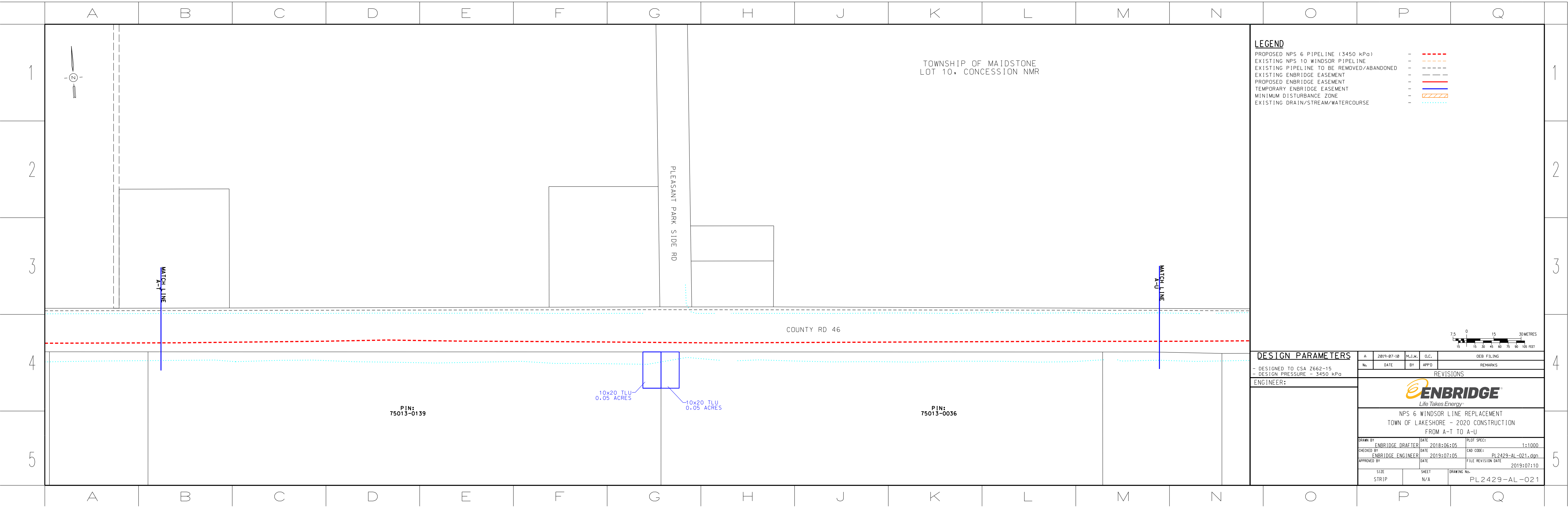
NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE - 2019 CONSTRUCTION  
ROM A-R TO A-S

DRAWN BY	DATE	PLOT SPEC:
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CHECKED BY	DATE	CAD CODE:
ENBRIDGE ENGINEER	2019:07:05	PL2429-AL-019.dgn
APPROVED BY	DATE	FILE REVISION DATE
		2019:07:10

SIZE	SHEET	DRAWING No.
STRIP	N/A	PL2429-AL-019







TOWNSHIP OF MAIDSTONE  
LOT 10, CONCESSION NMR

PLEASANT PARK SIDE RD

COUNTY RD 46

PIN:  
75013-0139

10x20 TLU  
0.05 ACRES

10x20 TLU  
0.05 ACRES

PIN:  
75013-0036


LEGEND

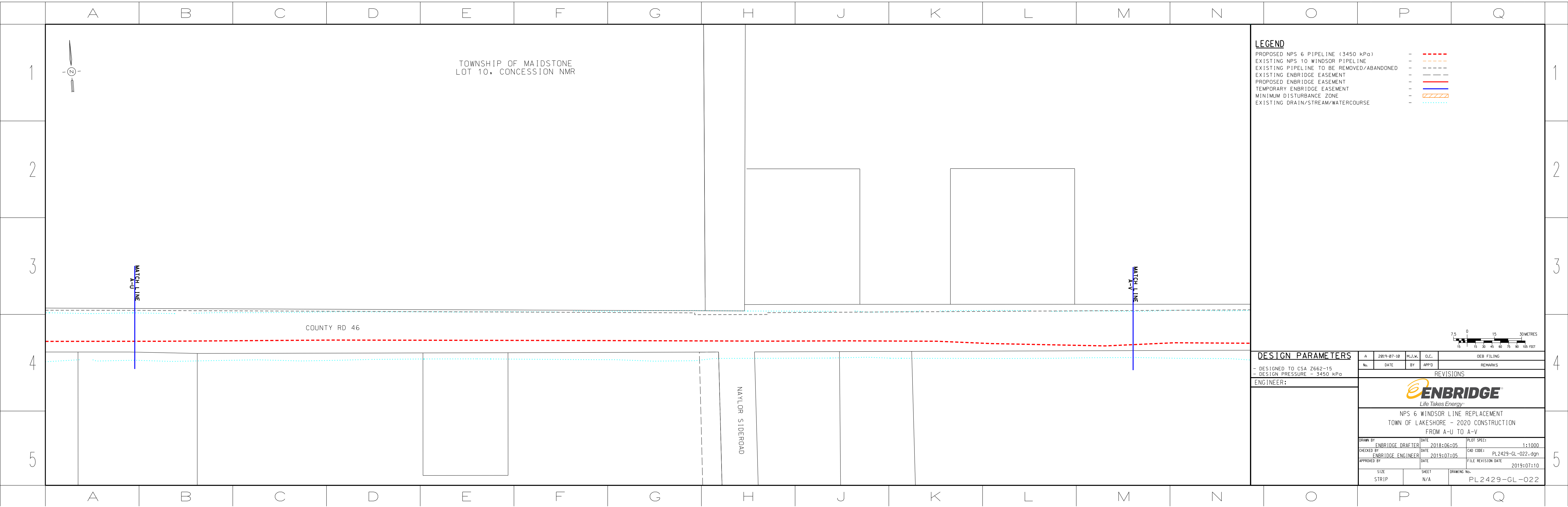
- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
- EXISTING NPS 10 WINDSOR PIPELINE - - - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -

DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APP'D	REMARKS
REVISIONS				
				
NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2020 CONSTRUCTION FROM A-T TO A-U				
DRAWN BY ENBRIDGE DRAFTER		DATE 2018:06:05	PLOT SPEC: 1:1000	
CHECKED BY ENBRIDGE ENGINEER		DATE 2019:07:05	CAD CODE: PL2429-AL-021.dgn	
APPROVED BY		DATE	FILE REVISION DATE 2019:07:10	
SIZE STRIP		SHEET N/A	DRAWING No. PL 2429-AL-021	



TOWNSHIP OF MAIDSTONE  
LOT 10, CONCESSION NMR

LEGEND

- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
- EXISTING NPS 10 WINDSOR PIPELINE - - - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -

DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

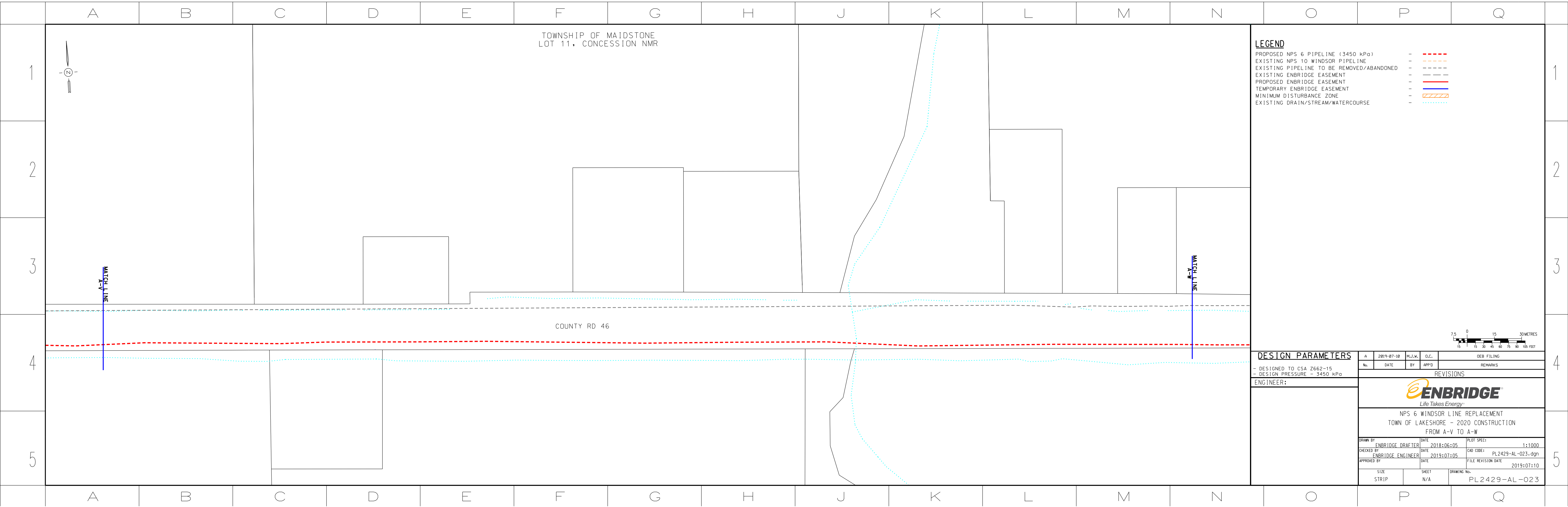
ENGINEER:



NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE - 2020 CONSTRUCTION  
FROM A-U TO A-V

DRAWN BY	ENBRIDGE DRAFTER	DATE	2018:06:05	PLOT SPEC:	1:1000
CHECKED BY	ENBRIDGE ENGINEER	DATE	2019:07:05	CAD CODE:	PL2429-GL-022.dgn
APPROVED BY		DATE		FILE REVISION DATE	2019:07:10

SIZE	STRIP	SHEET	N/A	DRAWING No.	PL2429-GL-022
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TOWNSHIP OF MAIDSTONE  
LOT 11, CONCESSION NMR

LEGEND

- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
- EXISTING NPS 10 WINDSOR PIPELINE - - - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -

DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

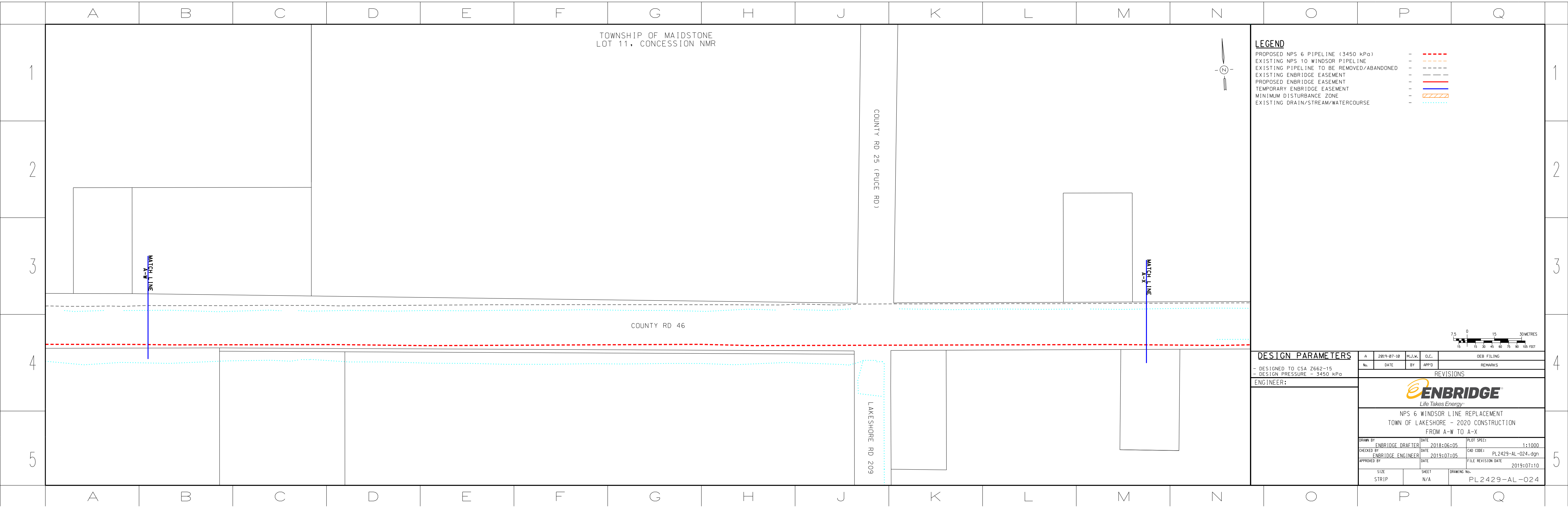
ENGINEER:



NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE - 2020 CONSTRUCTION  
FROM A-V TO A-W

DRAWN BY	ENBRIDGE DRAFTER	DATE	2018:06:05	PLOT SPEC:	1:1000
CHECKED BY	ENBRIDGE ENGINEER	DATE	2019:07:05	CAD CODE:	PL2429-AL-023.dgn
APPROVED BY		DATE		FILE REVISION DATE	2019:07:10

SIZE	STRIP	SHEET	N/A	DRAWING No.	PL2429-AL-023
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LEGEND

PROPOSED NPS 6 PIPELINE (3450 kPa)

EXISTING NPS 10 WINDSOR PIPELINE

EXISTING PIPELINE TO BE REMOVED/ABANDONED

EXISTING ENBRIDGE EASEMENT

PROPOSED ENBRIDGE EASEMENT

TEMPORARY ENBRIDGE EASEMENT

MINIMUM DISTURBANCE ZONE

EXISTING DRAIN/STREAM/WATERCOURSE

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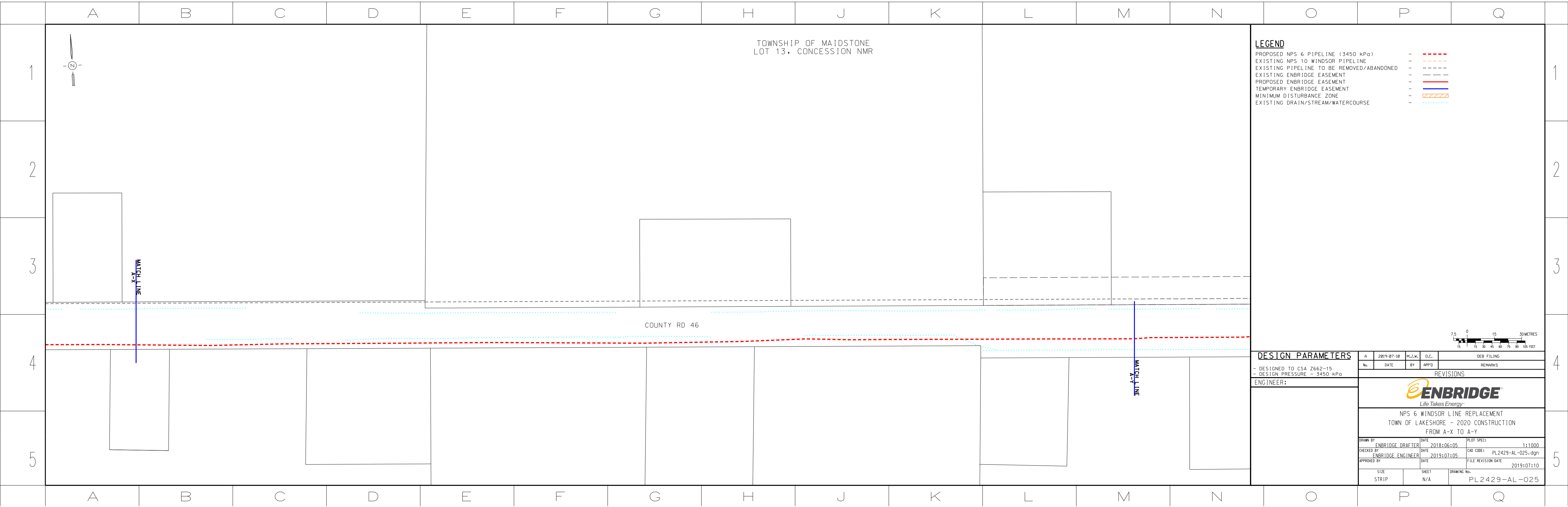
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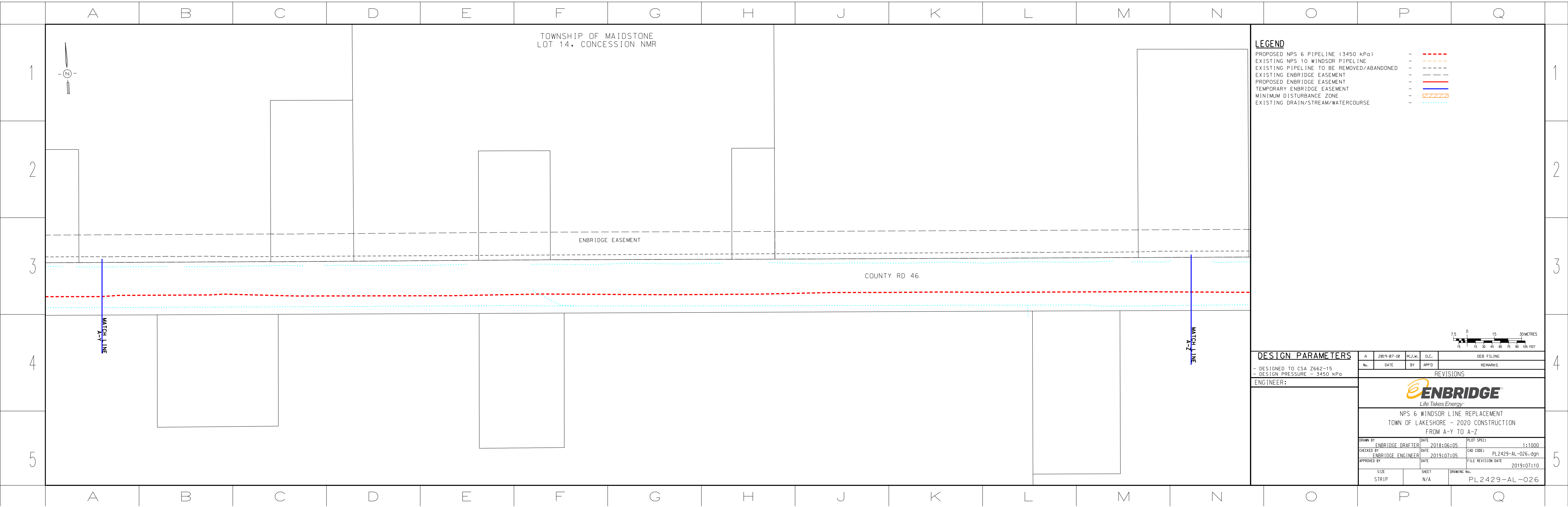
DESIGN PARAMETERS

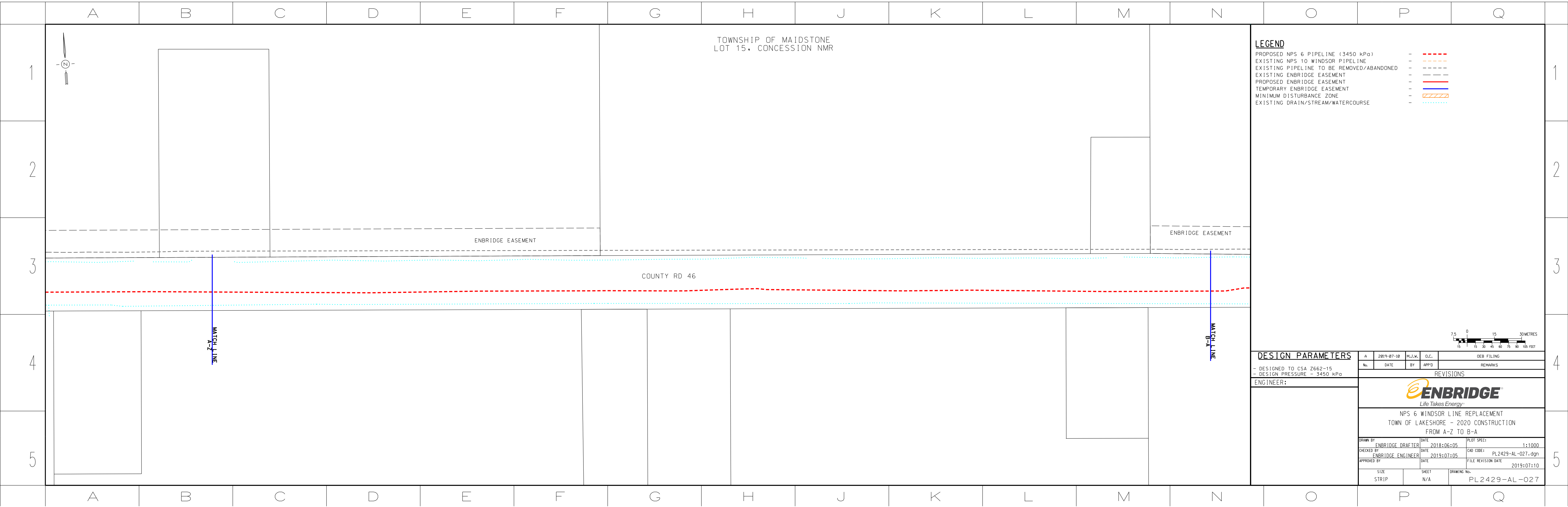
- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

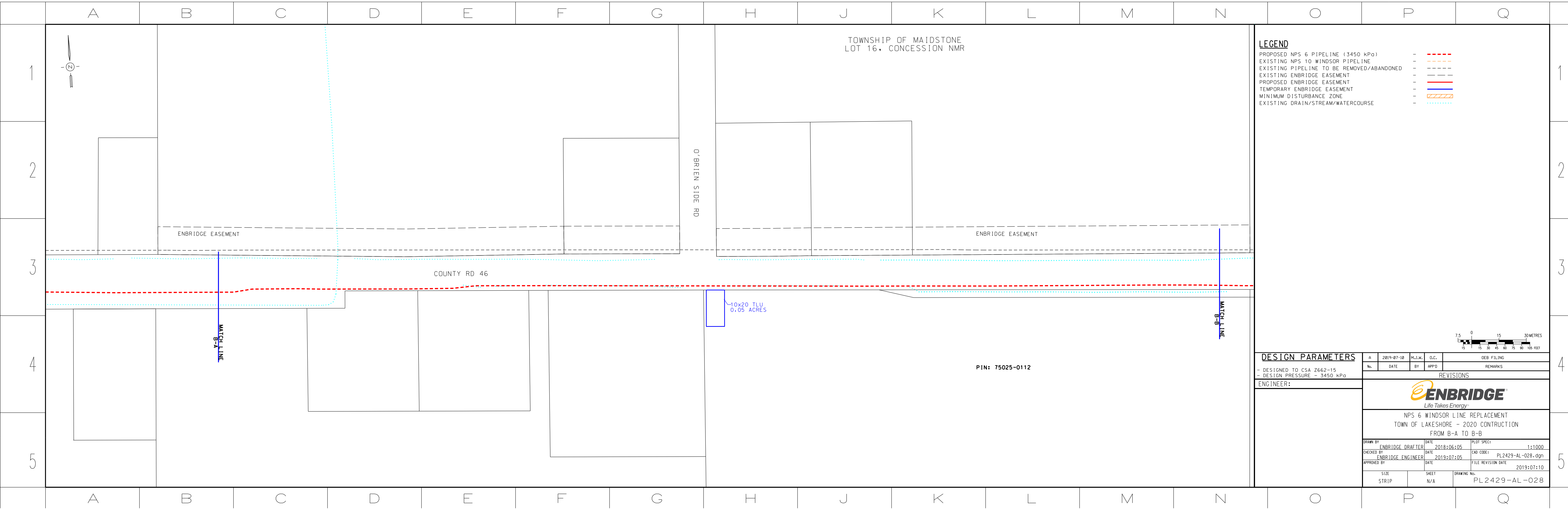
ENGINEER:

A	2019-07-10	M.J.W.	O.C.	O&B FILING	
No.	DATE	BY	APPD	REMARKS	
REVISIONS					
					
NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2020 CONSTRUCTION FROM A-W TO A-X					
DRAWN BY ENBRIDGE DRAFTER		DATE 2018:06:05		PLOT SPEC: 1:1000	
CHECKED BY ENBRIDGE ENGINEER		DATE 2019:07:05		CAD CODE: PL2429-AL-024.dgn	
APPROVED BY		DATE		FILE REVISION DATE 2019:07:10	
SIZE STRIP		SHEET N/A		DRAWING No. PL2429-AL-024	

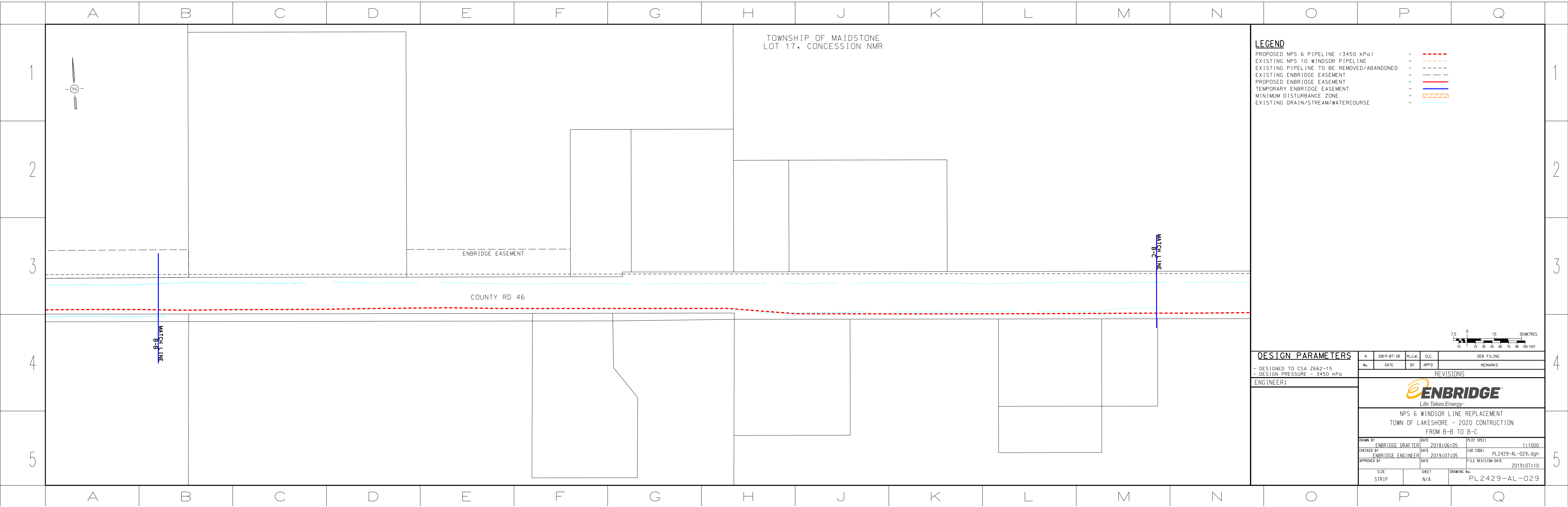








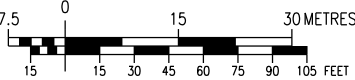




TOWNSHIP OF MAIDSTONE  
LOT 17, CONCESSION NMR

LEGEND

- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
- EXISTING NPS 10 WINDSOR PIPELINE - - - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

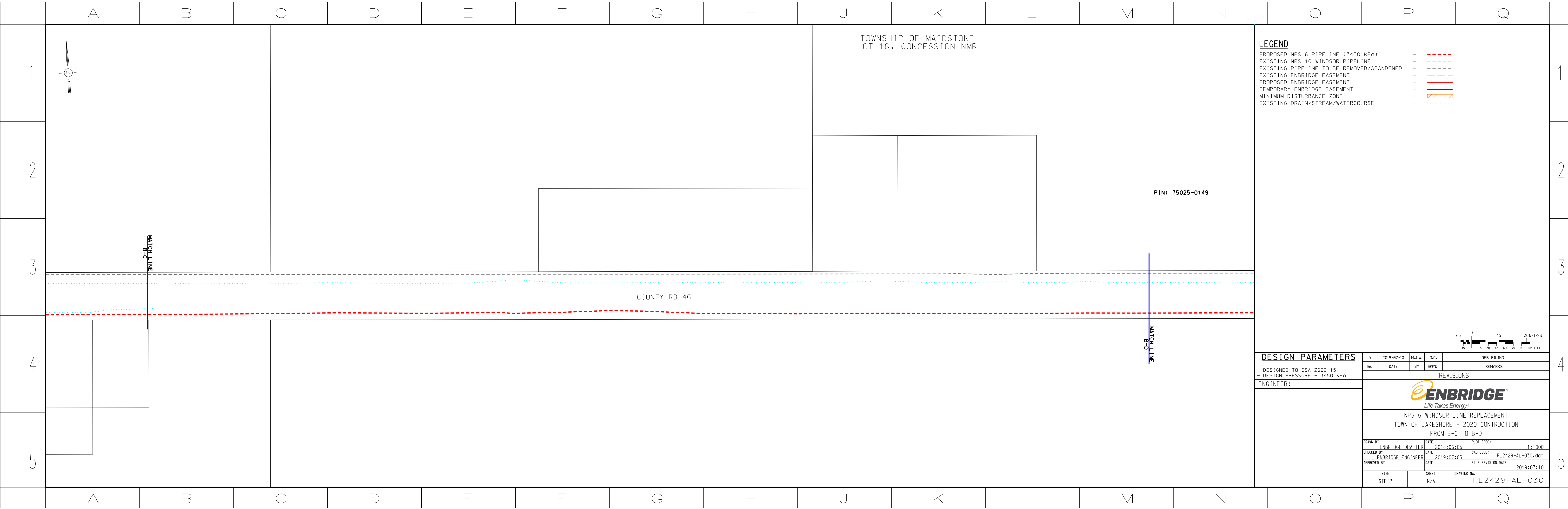
ENGINEER:

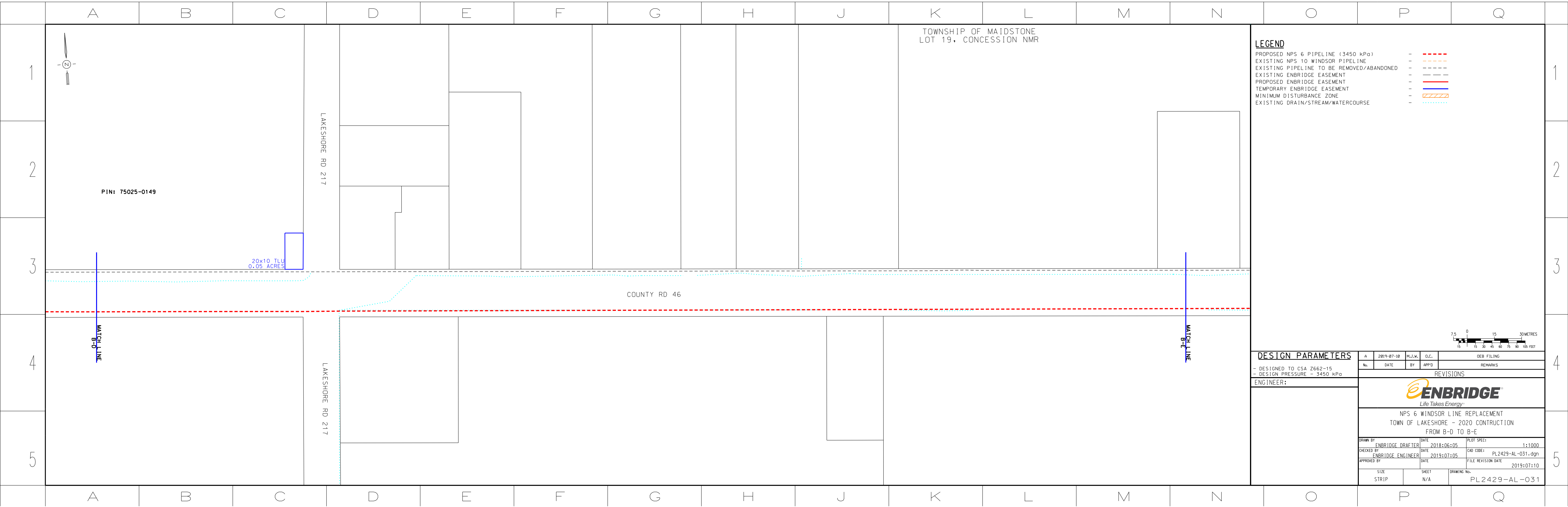


NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE - 2020 CONSTRUCTION  
FROM B-B TO B-C

DRAWN BY	ENBRIDGE DRAFTER	DATE	2018:06:05	PLOT SPEC:	1:1000
CHECKED BY	ENBRIDGE ENGINEER	DATE	2019:07:05	CAD CODE:	PL2429-AL-029.dgn
APPROVED BY		DATE		FILE REVISION DATE	2019:07:10

SIZE	STRIP	SHEET	N/A	DRAWING No.	PL2429-AL-029
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TOWNSHIP OF MAIDSTONE  
LOT 19, CONCESSION NMR

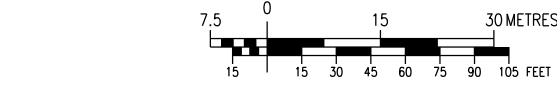
LEGEND


- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
- EXISTING NPS 10 WINDSOR PIPELINE - - - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -

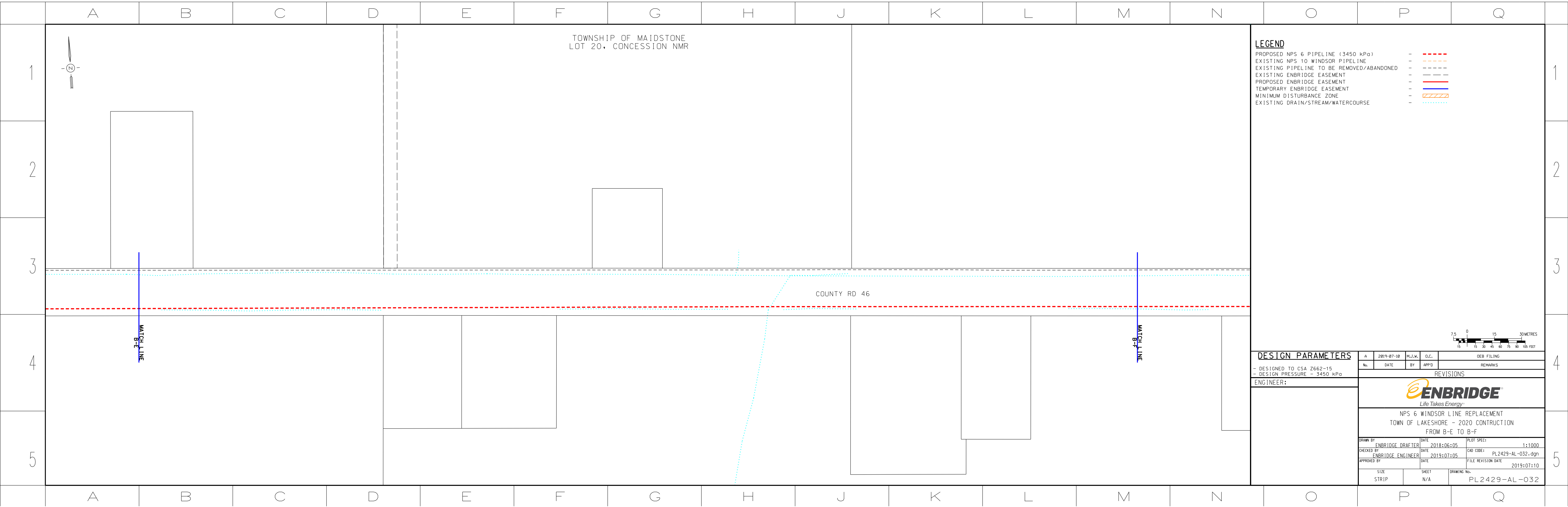
DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

ENGINEER:



 <b>ENBRIDGE®</b> <i>Life Takes Energy®</i>			
NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2020 CONSTRUCTION FROM B-D TO B-E			
DRAWN BY ENBRIDGE DRAFTER		DATE 2018:06:05	PLOT SPEC: 1:1000
CHECKED BY ENBRIDGE ENGINEER		DATE 2019:07:05	CAD CODE: PL2429-AL -031.dgn
APPROVED BY		DATE	FILE REVISION DATE 2019:07:10
SIZE STRIP	SHEET N/A	DRAWING No. PL 2429-AL -031	




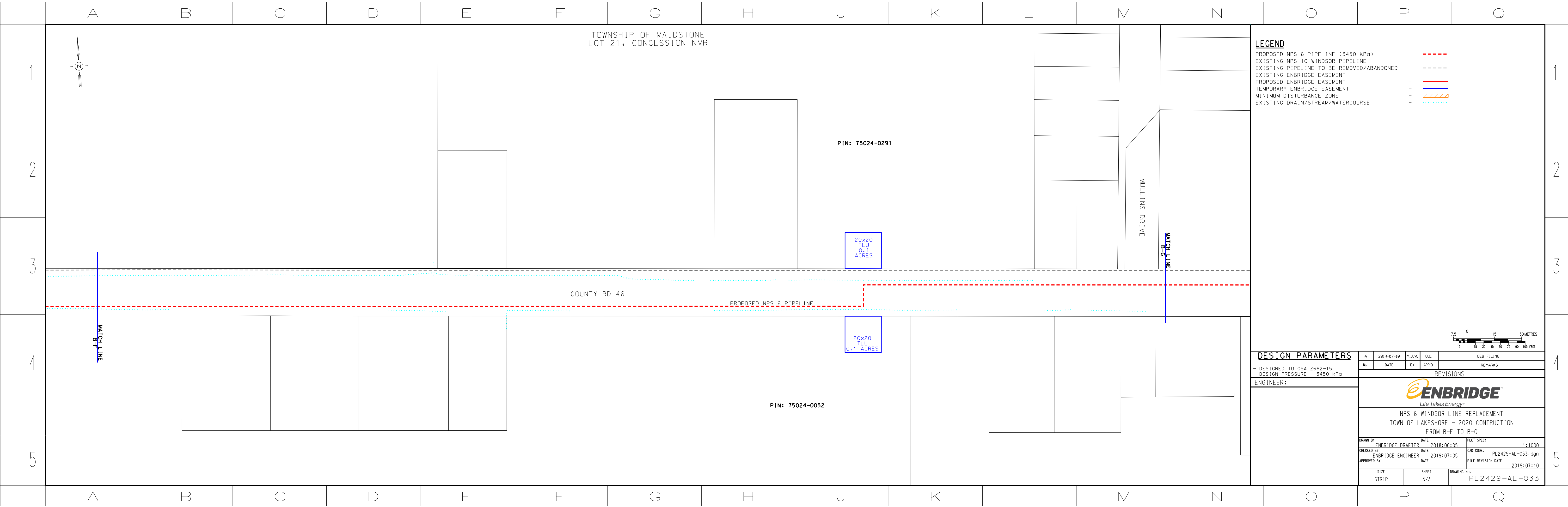
LEGEND

PROPOSED NPS 6 PIPELINE (3450 kPa)	-	----
EXISTING NPS 10 WINDSOR PIPELINE	-	----
EXISTING PIPELINE TO BE REMOVED/ABANDONED	-	----
EXISTING ENBRIDGE EASEMENT	-	----
PROPOSED ENBRIDGE EASEMENT	-	----
TEMPORARY ENBRIDGE EASEMENT	-	----
MINIMUM DISTURBANCE ZONE	-	----
EXISTING DRAIN/STREAM/WATERCOURSE	-	----

7.5 0 15 30 METRES

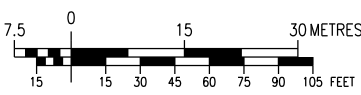
15 15 30 45 60 75 90 105 FEET


DESIGN PARAMETERS				A		2019-07-10		M.J.W.		O.C.		OEB FILING											
- DESIGNED TO CSA Z662-15				No.		DATE		BY		APP'D		REMARKS											
- DESIGN PRESSURE - 3450 kPa				REVISIONS																			
ENGINEER:																							
				NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2020 CONSTRUCTION FROM B-E TO B-F																			
DRAWN BY				ENBRIDGE DRAFTER				DATE				2018:06:05				PLOT SPEC:				1:1000			
CHECKED BY				ENBRIDGE ENGINEER				DATE				2019:07:05				CAD CODE:				PL2429-AL-032.dgn			
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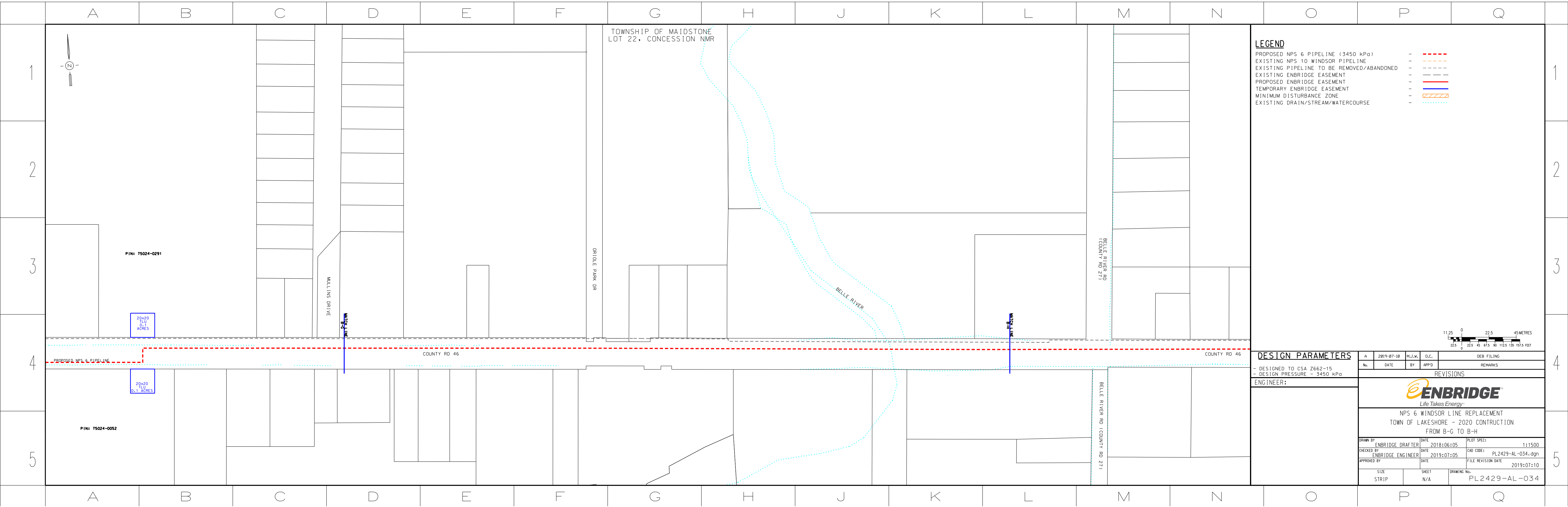


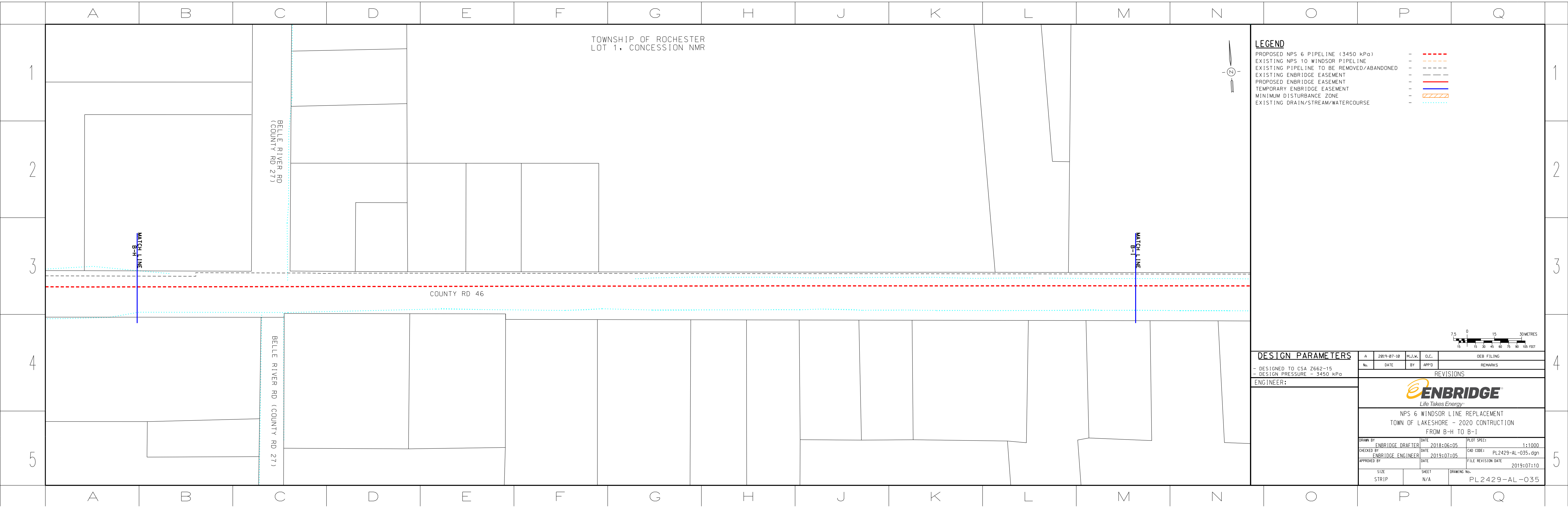
LEGEND

PROPOSED NPS 6 PIPELINE (3450 kPa)	-	---
EXISTING NPS 10 WINDSOR PIPELINE	-	- - - -
EXISTING PIPELINE TO BE REMOVED/ABANDONED	-	- - - -
EXISTING ENBRIDGE EASEMENT	-	- - - -
PROPOSED ENBRIDGE EASEMENT	-	---
TEMPORARY ENBRIDGE EASEMENT	-	---
MINIMUM DISTURBANCE ZONE	-	///
EXISTING DRAIN/STREAM/WATERCOURSE	-	...



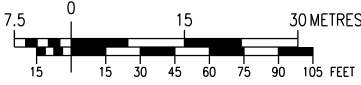
DESIGN PARAMETERS			A	2019-07-10	M.J.W.	O.C.	OEB FILING		
DESIGNED TO CSA Z662-15 - DESIGN PRESSURE - 3450 kPa			No.	DATE	BY	APP'D	REMARKS		
			REVISIONS						
ENGINEER:			 <i>Life Takes Energy®</i>						
			NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2020 CONSTRUCTION FROM B-F TO B-G						
DRAWN BY			ENBRIDGE DRAFTER		DATE	2018:06:05		PLOT SPEC:	1:1000
CHECKED BY			ENBRIDGE ENGINEER		DATE	2019:07:05		CAD CODE:	PL 2429-AL-033.dgn
APPROVED BY					DATE			FILE REVISION DATE	2019:07:10
SIZE STRIP			SHEET N/A		DRAWING No.		PL 2429-AL-033		





**LEGEND**

PROPOSED NPS 6 PIPELINE (3450 kPa)	-	---
EXISTING NPS 10 WINDSOR PIPELINE	-	- - - -
EXISTING PIPELINE TO BE REMOVED/ABANDONED	-	- - - -
EXISTING ENBRIDGE EASEMENT	-	- - - -
PROPOSED ENBRIDGE EASEMENT	-	---
TEMPORARY ENBRIDGE EASEMENT	-	---
MINIMUM DISTURBANCE ZONE	-	///
EXISTING DRAIN/STREAM/WATERCOURSE	-	...



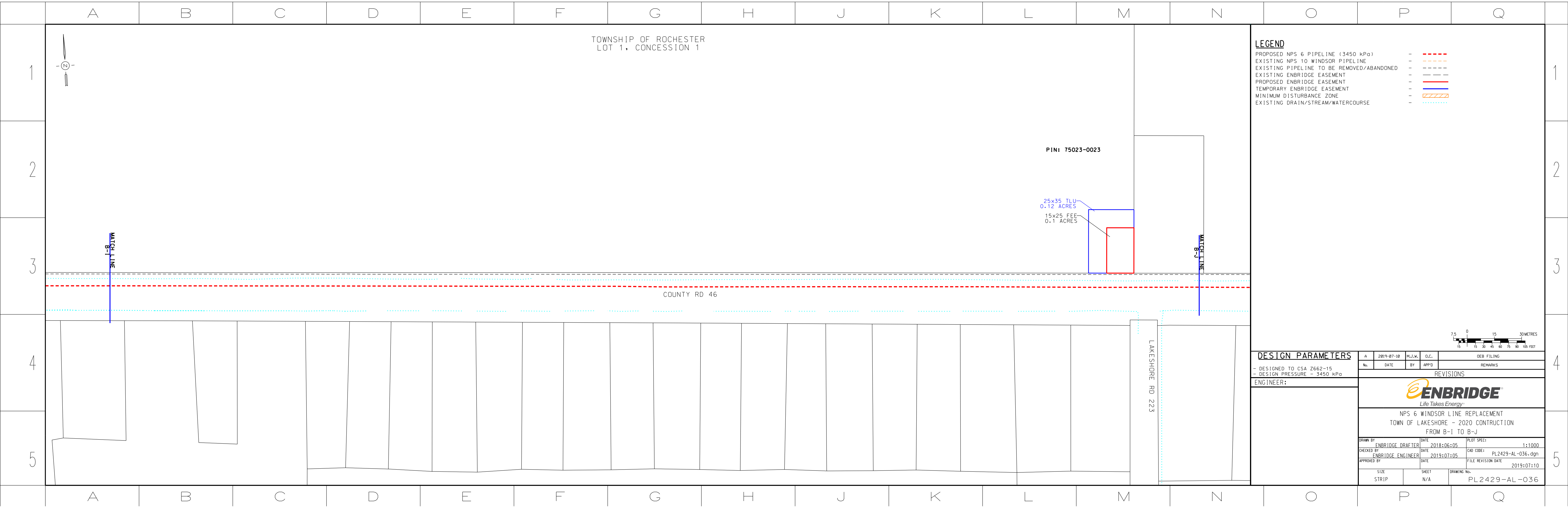
**DESIGN PARAMETERS**

- DESIGNED TO CSA Z662-15	A	2019-07-10	M.J.W.	O.C.	OEB FILING
- DESIGN PRESSURE - 3450 kPa	No.	DATE	BY	APP'D	REMARKS

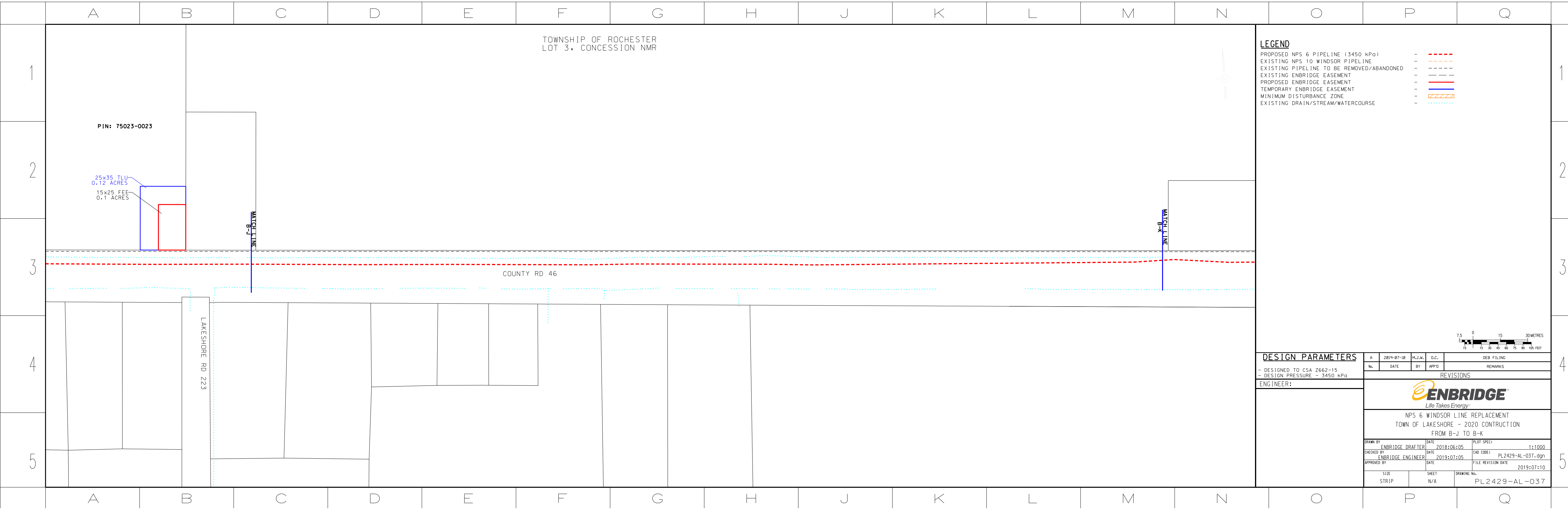
**ENGINEER:**

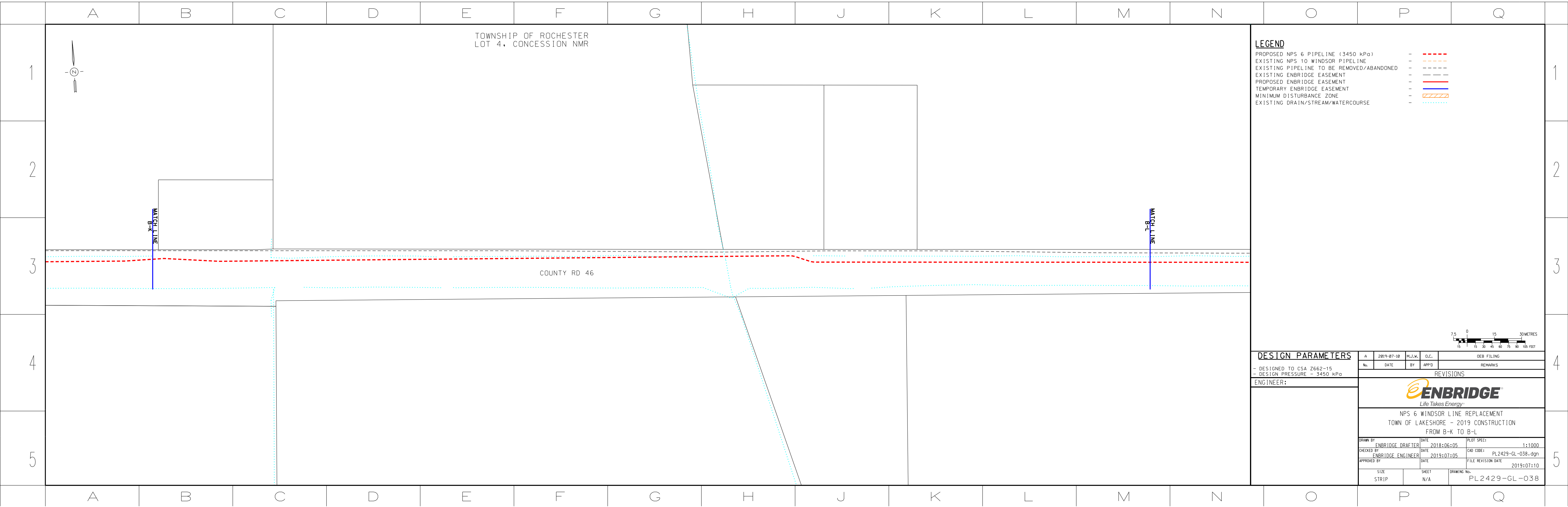
NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE - 2020 CONSTRUCTION  
FROM B-H TO B-I

DRAWN BY ENBRIDGE DRAFTER	DATE 2018:06:05	PLOT SPEC: 1:1000
CHECKED BY ENBRIDGE ENGINEER	DATE 2019:07:05	CAD CODE: PL2429-AL-035.dgn
APPROVED BY	DATE	FILE REVISION DATE 2019:07:10
SIZE STRIP	SHEET N/A	DRAWING No. PL2429-AL-035



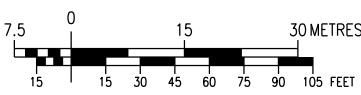





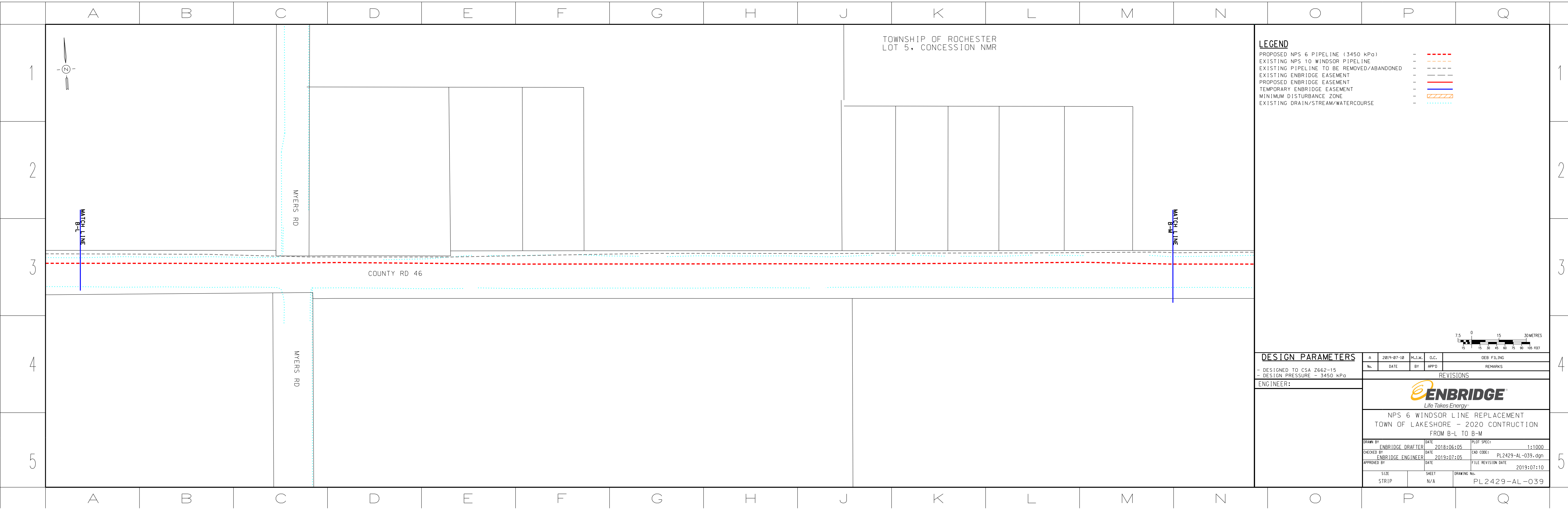


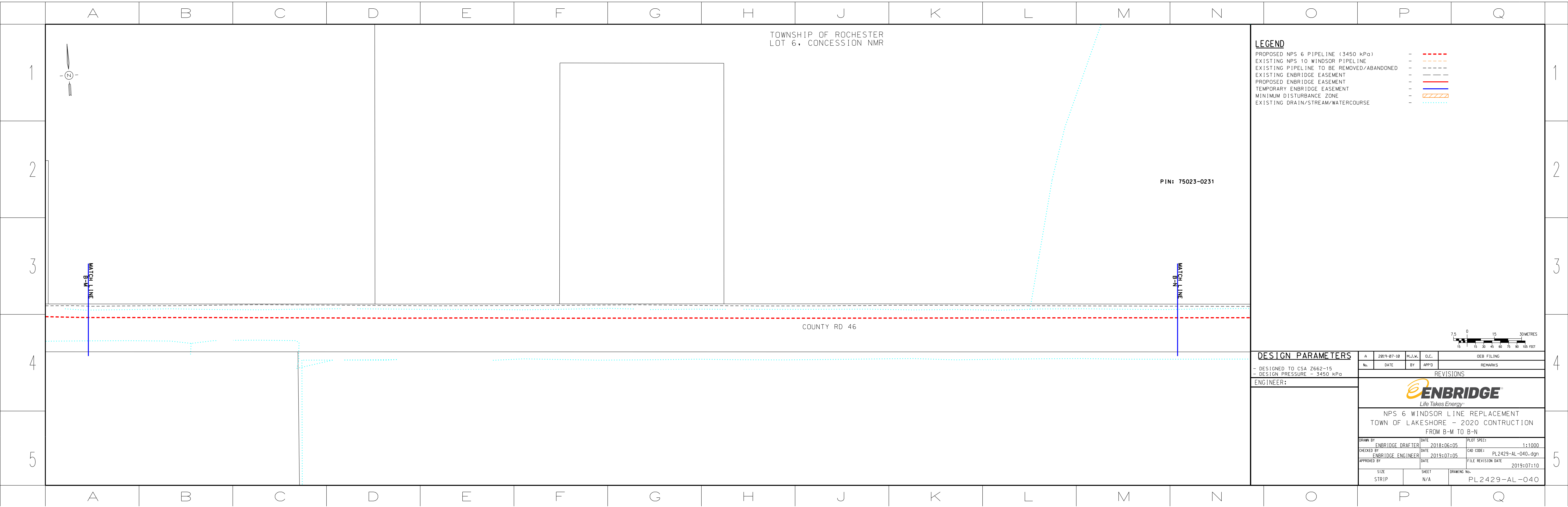
**LEGEND**

PROPOSED NPS 6 PIPELINE (3450 kPa)	-	---
EXISTING NPS 10 WINDSOR PIPELINE	-	- - - -
EXISTING PIPELINE TO BE REMOVED/ABANDONED	-	- - - -
EXISTING ENBRIDGE EASEMENT	-	- - - -
PROPOSED ENBRIDGE EASEMENT	-	---
TEMPORARY ENBRIDGE EASEMENT	-	---
MINIMUM DISTURBANCE ZONE	-	///
EXISTING DRAIN/STREAM/WATERCOURSE	-	...



<b>DESIGN PARAMETERS</b>		A		2019-07-10		M.J.W.		O.C.		OEB FILING	
- DESIGNED TO CSA Z662-15		No.		DATE		BY		APP'D		REMARKS	
- DESIGN PRESSURE - 3450 kPa											
<b>ENGINEER:</b>		<b>REVISIONS</b>									
											
		NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2019 CONSTRUCTION FROM B-K TO B-L									
		DRAWN BY ENBRIDGE DRAFTER				DATE 2018:06:05		PLOT SPEC: 1:1000			
		CHECKED BY ENBRIDGE ENGINEER				DATE 2019:07:05		CAD CODE: PL2429-GL-038.dgn			
		APPROVED BY				DATE		FILE REVISION DATE 2019:07:10			
SIZE STRIP		SHEET N/A		DRAWING No. PL2429-GL-038							





TOWNSHIP OF ROCHESTER  
LOT 6, CONCESSION NMR

LEGEND

- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
- EXISTING NPS 10 WINDSOR PIPELINE - - - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -

COUNTY RD 46

PIN: 75023-0231

DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

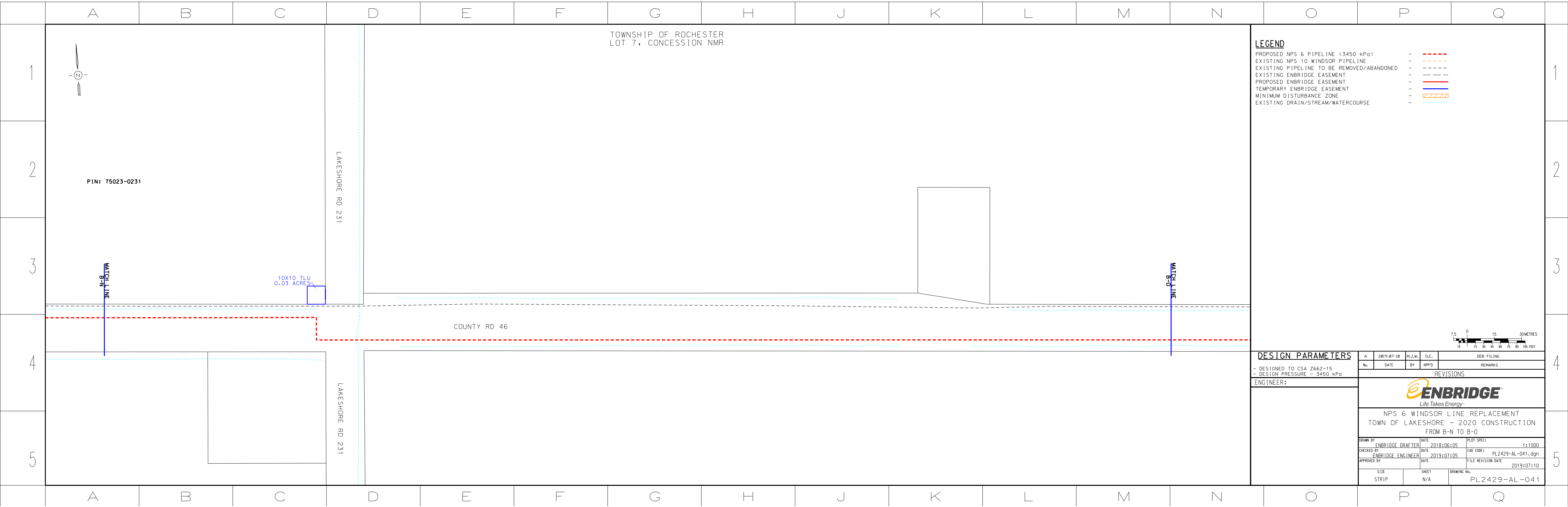
ENGINEER:

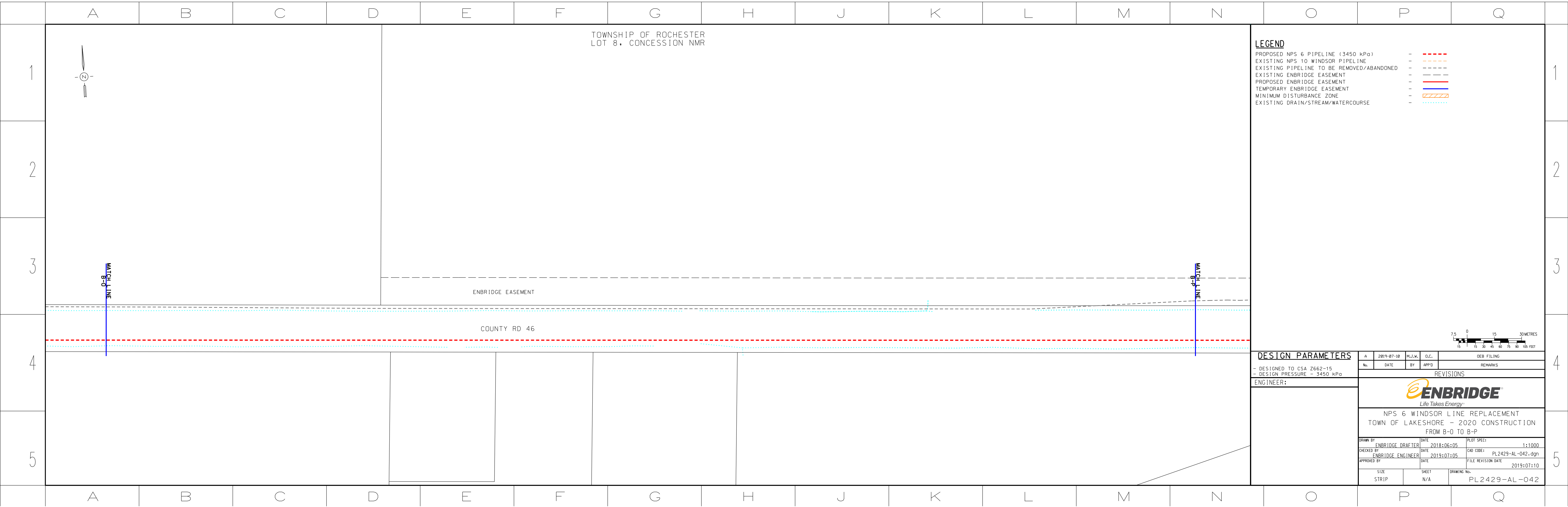


NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE - 2020 CONSTRUCTION  
FROM B-M TO B-N

DRAWN BY	ENBRIDGE DRAFTER	DATE	2018:06:05	PLOT SPEC:	1:1000
CHECKED BY	ENBRIDGE ENGINEER	DATE	2019:07:05	CAD CODE:	PL2429-AL-040.dgn
APPROVED BY		DATE		FILE REVISION DATE	2019:07:10

SIZE	STRIP	SHEET	N/A	DRAWING No.	PL2429-AL-040
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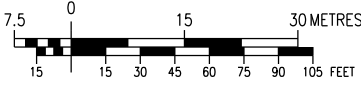




TOWNSHIP OF ROCHESTER  
LOT 8, CONCESSION NMR

LEGEND


- PROPOSED NPS 6 PIPELINE (3450 kPa) - ---
- EXISTING NPS 10 WINDSOR PIPELINE - ---
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - ---
- EXISTING ENBRIDGE EASEMENT - ---
- PROPOSED ENBRIDGE EASEMENT - ---
- TEMPORARY ENBRIDGE EASEMENT - ---
- MINIMUM DISTURBANCE ZONE - ---
- EXISTING DRAIN/STREAM/WATERCOURSE - ---

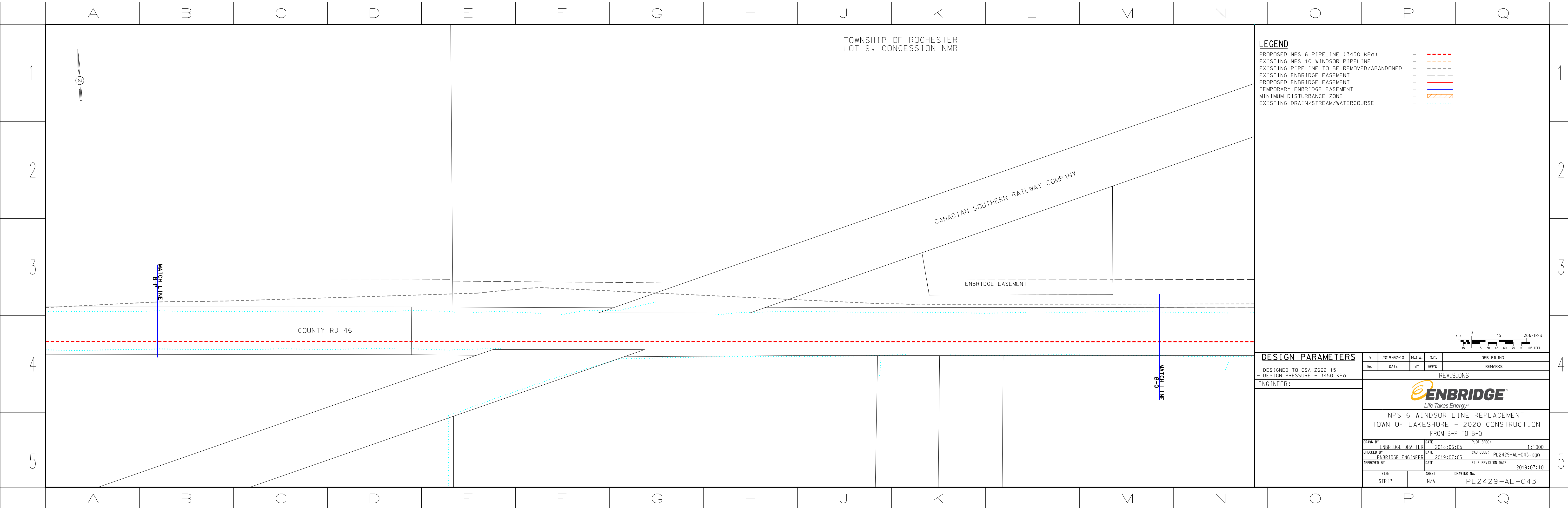


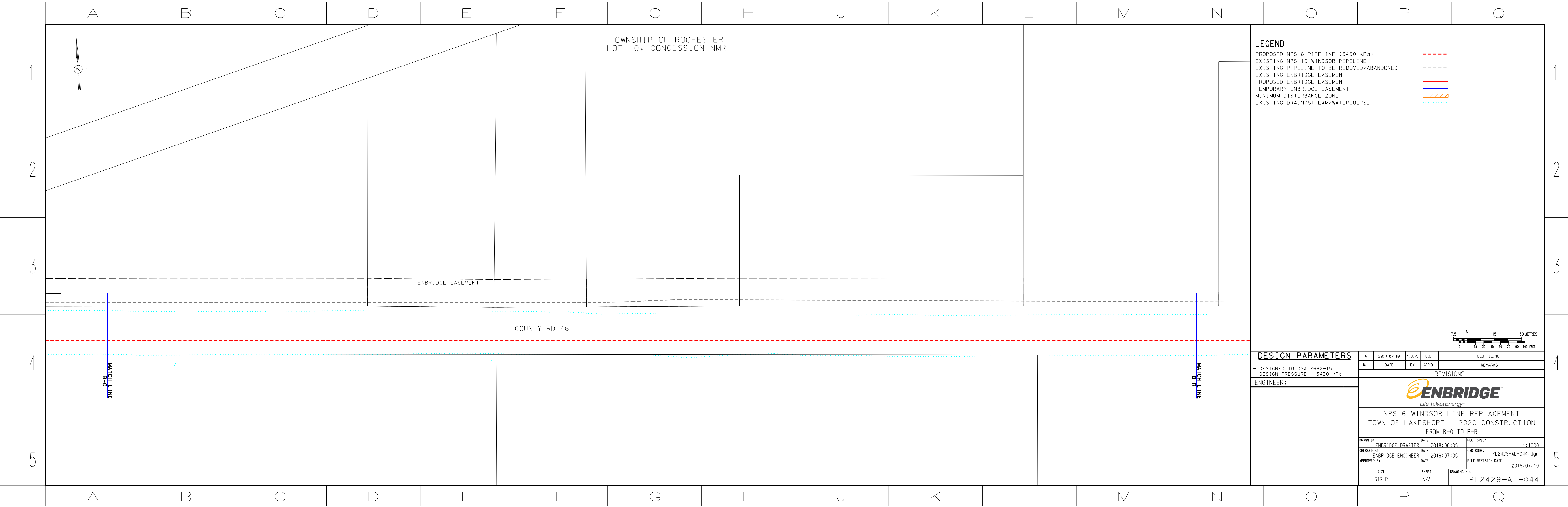
DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

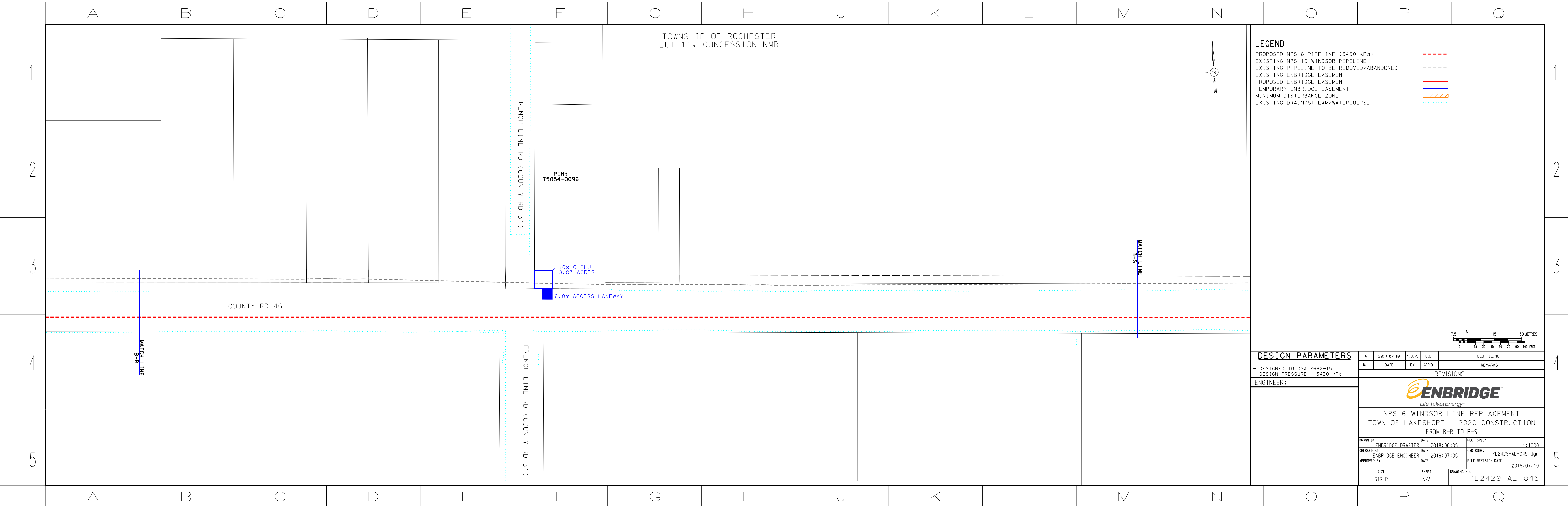
ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APP'D	REMARKS
REVISIONS				
				
NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2020 CONSTRUCTION FROM B-O TO B-P				
DRAWN BY	DATE	2018:06:05	PLOT SPEC:	1:1000
CHECKED BY	DATE	2019:07:05	CAD CODE:	PL2429-AL-042.dgn
APPROVED BY	DATE	2019:07:10	FILE REVISION DATE	2019:07:10
SIZE	SHEET	DRAWING No.		
STRIP	N/A	PL2429-AL-042		









TOWNSHIP OF ROCHESTER  
LOT 11, CONCESSION NMR

FRENCH LINE RD (COUNTY RD 31)

PIN:  
75054-0096

10x10 TLU  
0.03 ACRES

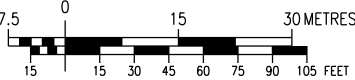
6.0m ACCESS LANEWAY

COUNTY RD 46

FRENCH LINE RD (COUNTY RD 31)

LEGEND

- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
- EXISTING NPS 10 WINDSOR PIPELINE - - - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APPD	REMARKS

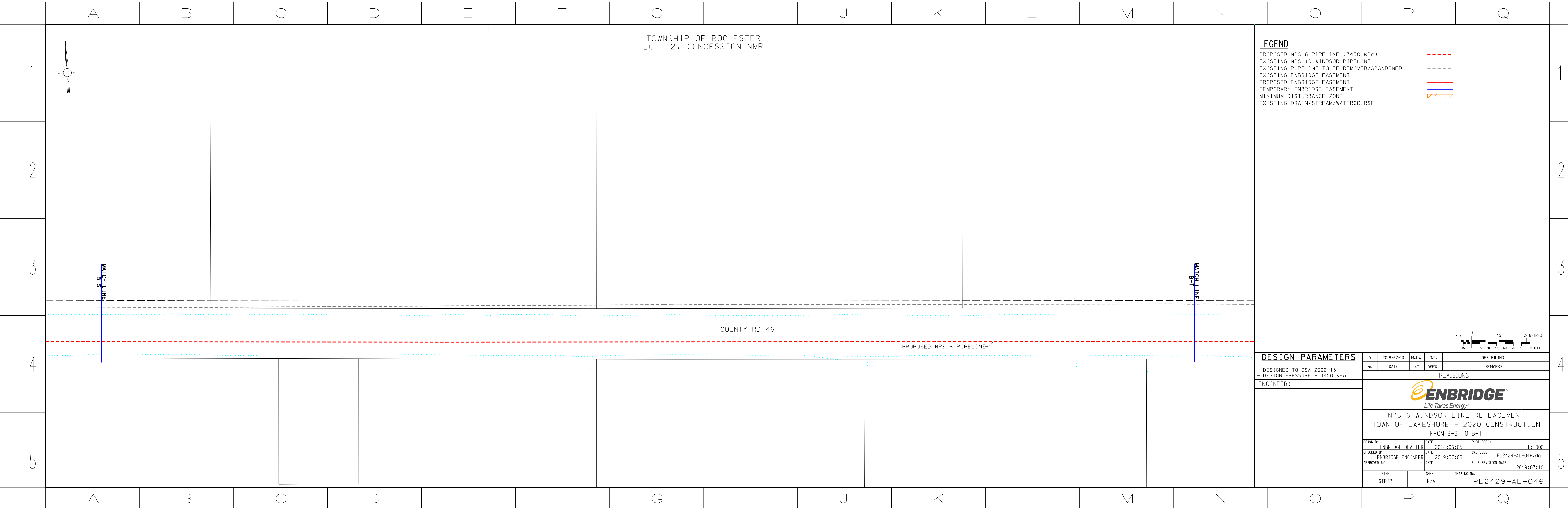
REVISIONS

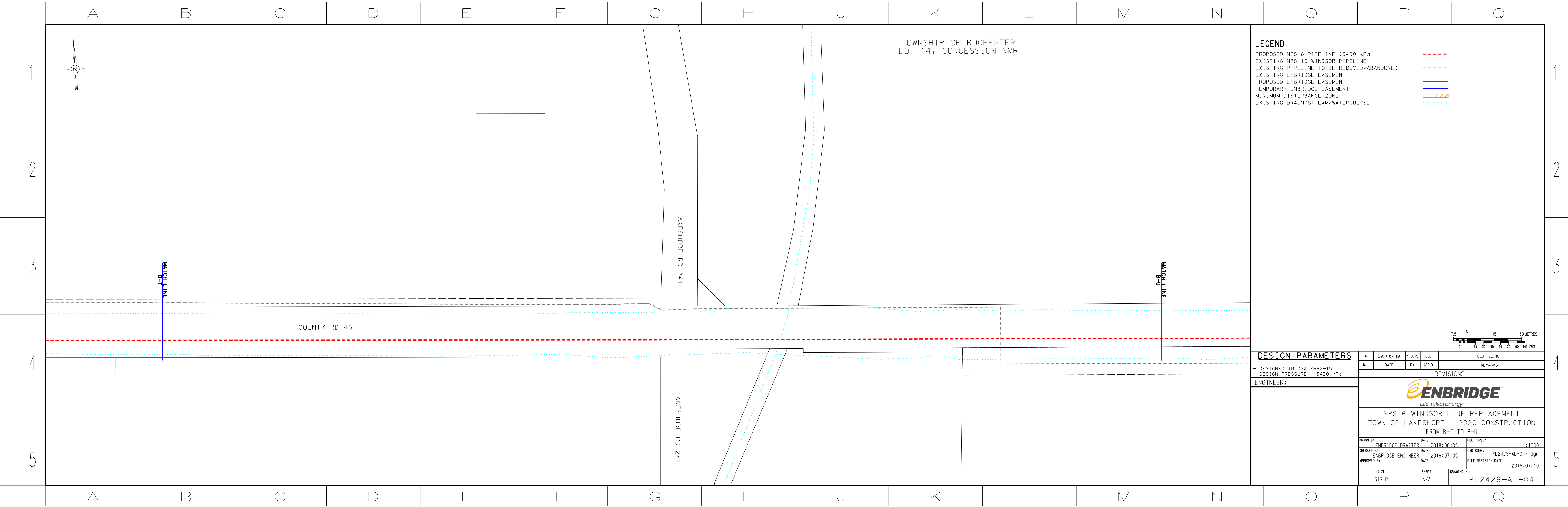


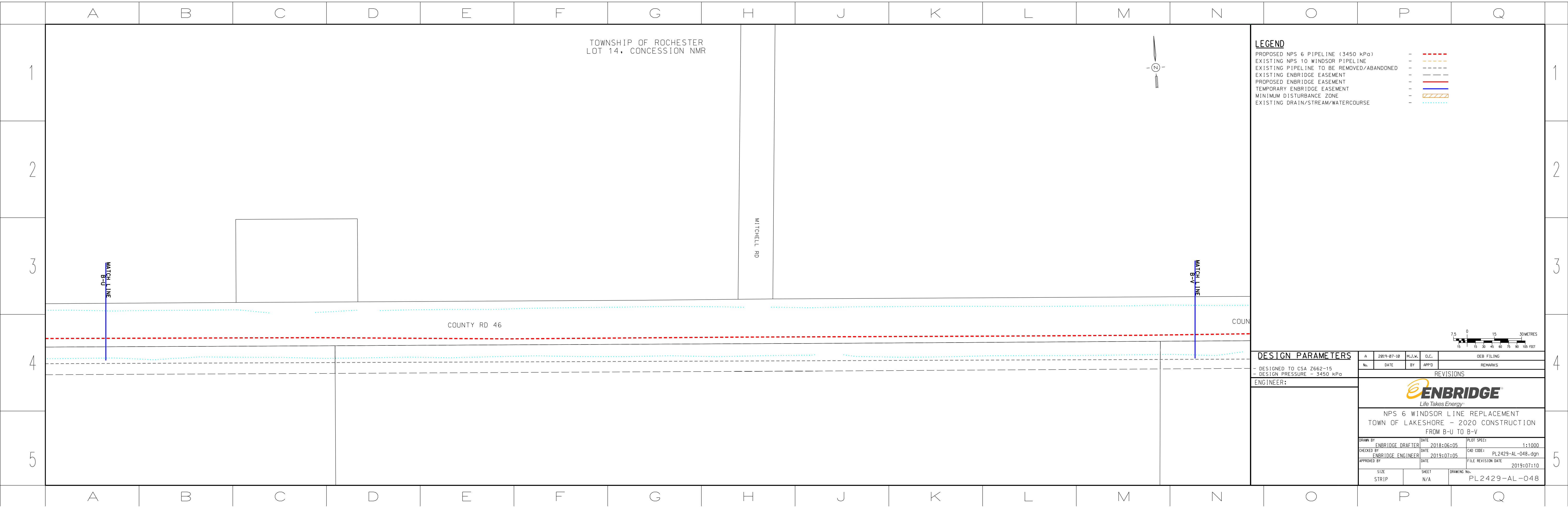
NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE - 2020 CONSTRUCTION  
FROM B-R TO B-S

DRAWN BY	ENBRIDGE DRAFTER	DATE	2018:06:05	PLOT SPEC:	1:1000
CHECKED BY	ENBRIDGE ENGINEER	DATE	2019:07:05	CAD CODE:	PL2429-AL-045.dgn
APPROVED BY		DATE		FILE REVISION DATE	2019:07:10

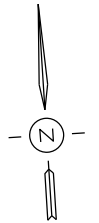
SIZE	SHEET	DRAWING No.
STRIP	N/A	PL2429-AL-045





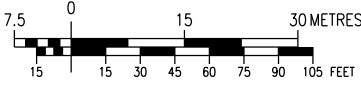


TOWNSHIP OF ROCHESTER  
LOT 14, CONCESSION NMR



**LEGEND**


- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
- EXISTING NPS 10 WINDSOR PIPELINE - - - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -

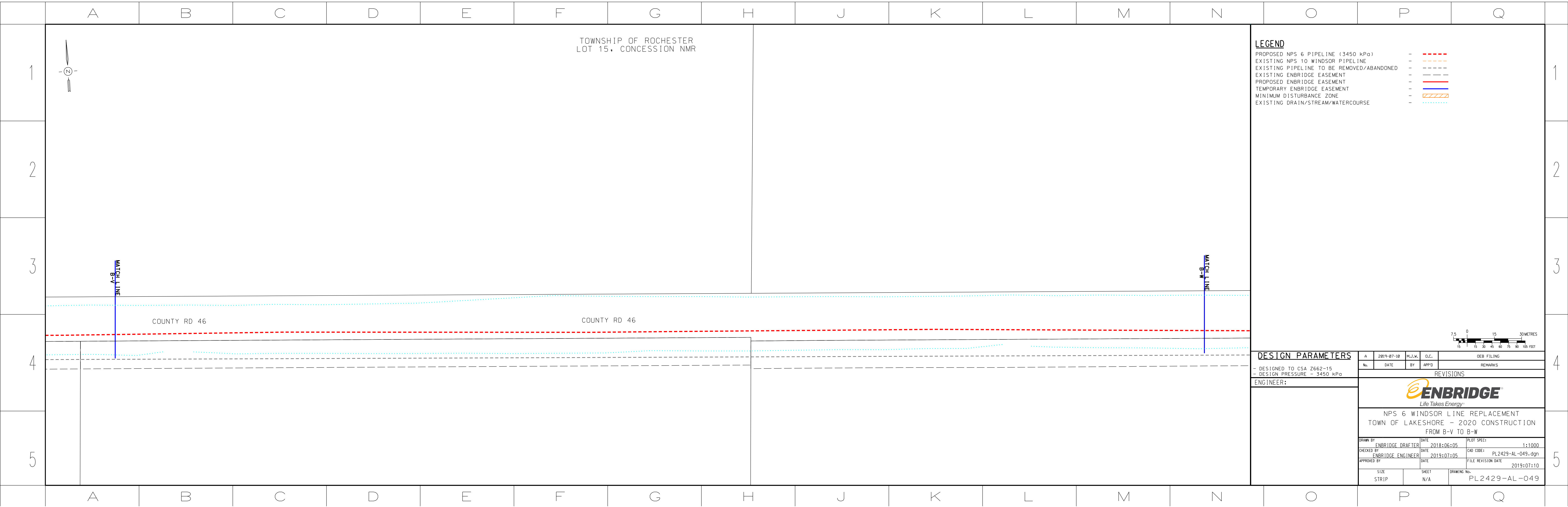


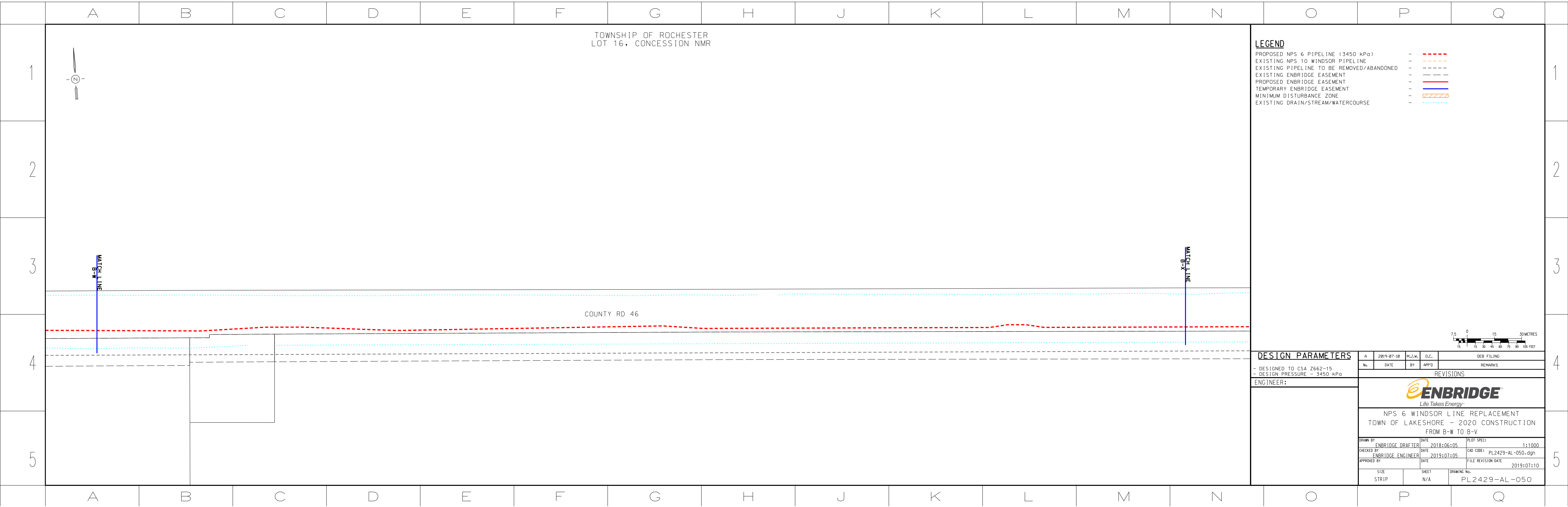
**DESIGN PARAMETERS**

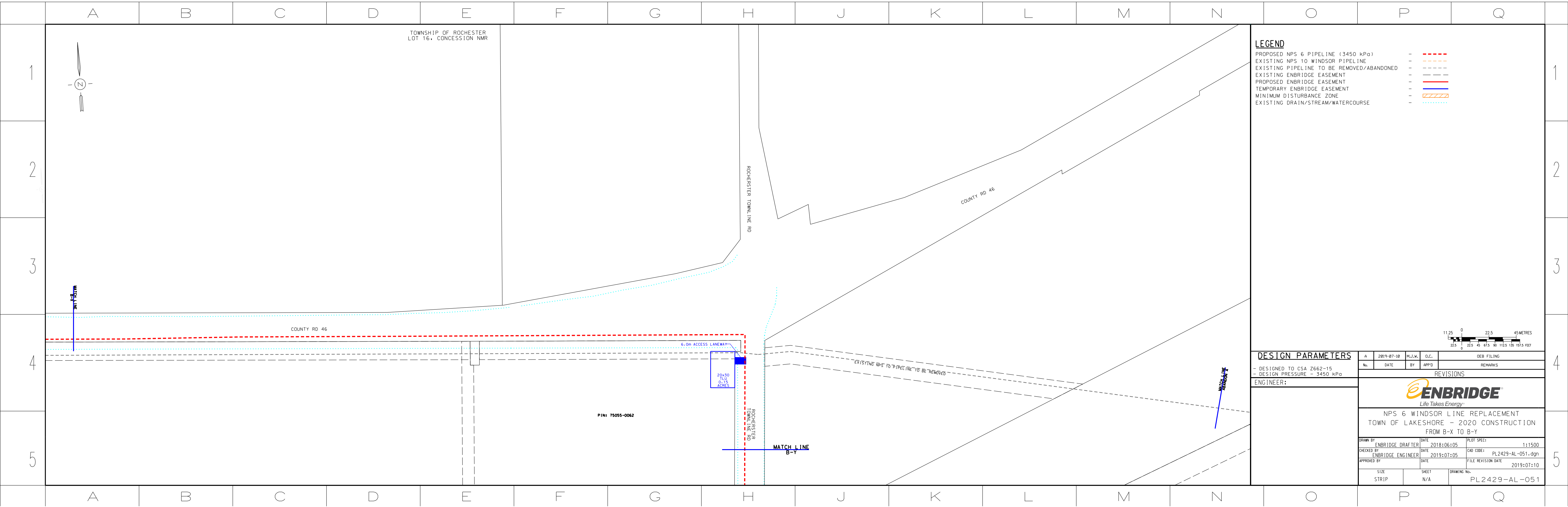
- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

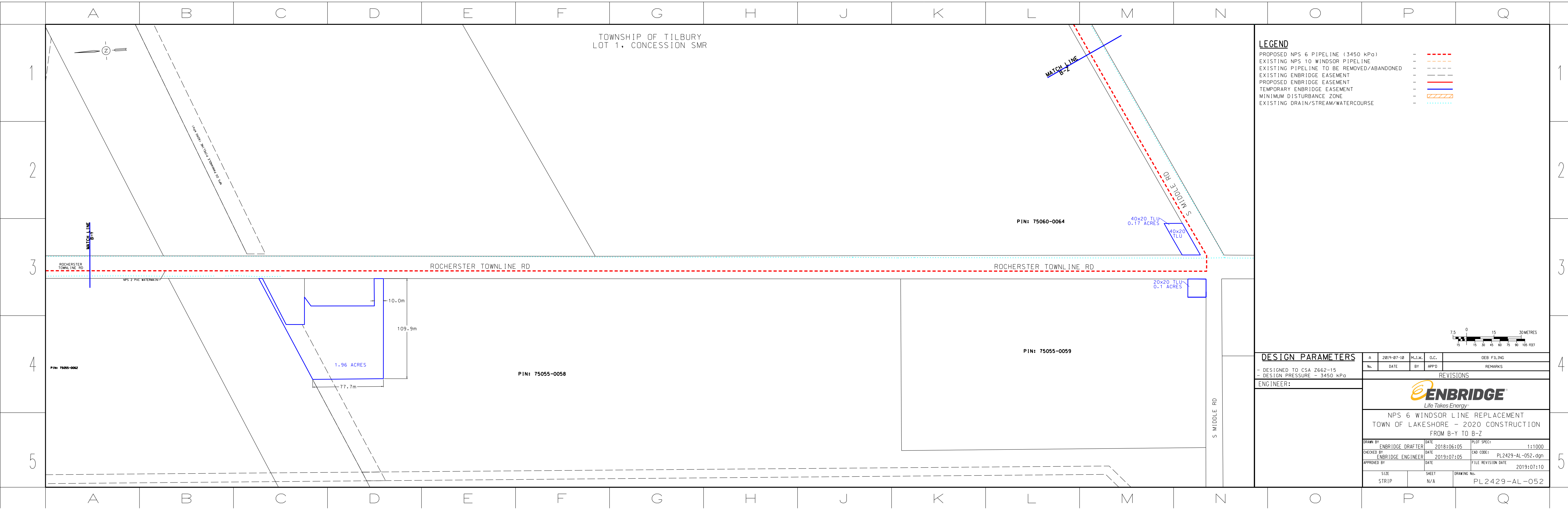
ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING	
No.	DATE	BY	APP'D	REMARKS	
REVISIONS					
 <i>Life Takes Energy®</i>					
NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE – 2020 CONSTRUCTION FROM B-U TO B-V					
DRAWN BY		DATE		PLOT SPEC:	
ENBRIDGE DRAFTER		2018:06:05		1:1000	
CHECKED BY		DATE		CAD CODE:	
ENBRIDGE ENGINEER		2019:07:05		PL2429-AL-048.dgn	
APPROVED BY		DATE		FILE REVISION DATE	
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SIZE		SHEET		DRAWING No.	
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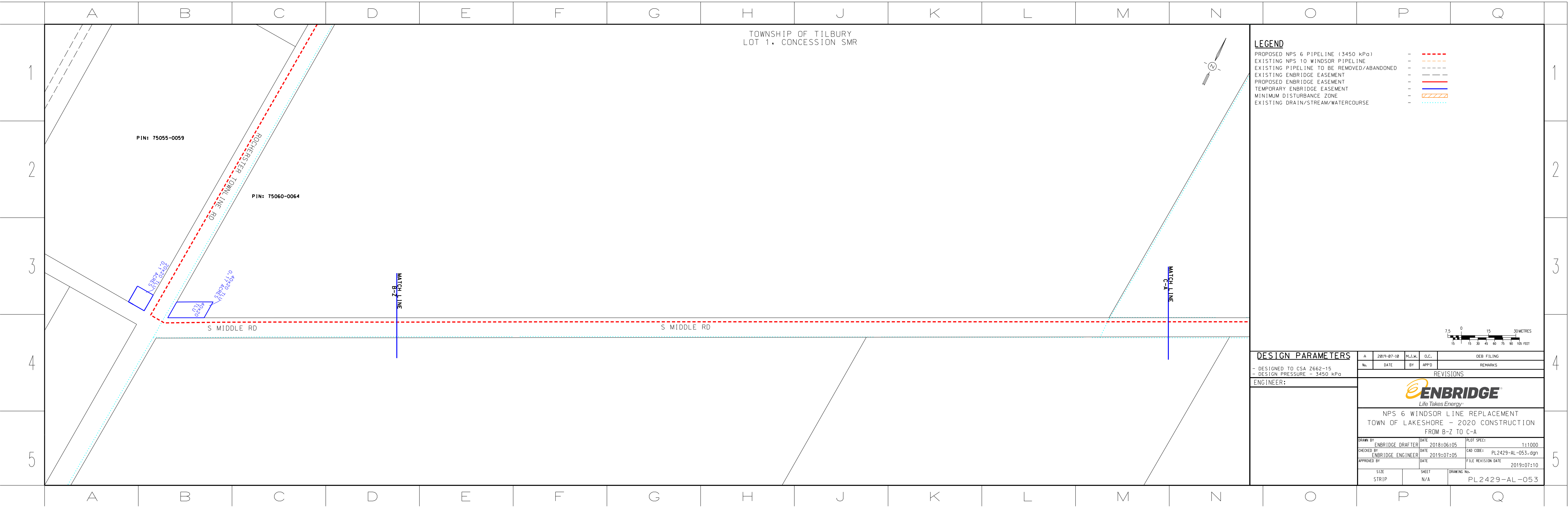




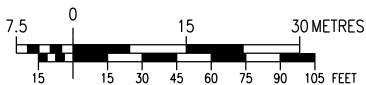








LEGEND	
PROPOSED NPS 6 PIPELINE (3450 kPa)	- - - - -
EXISTING NPS 10 WINDSOR PIPELINE	- - - - -
EXISTING PIPELINE TO BE REMOVED/ABANDONED	- - - - -
EXISTING ENBRIDGE EASEMENT	- - - - -
PROPOSED ENBRIDGE EASEMENT	- - - - -
TEMPORARY ENBRIDGE EASEMENT	- - - - -
MINIMUM DISTURBANCE ZONE	- - - - -
EXISTING DRAIN/STREAM/WATERCOURSE	- - - - -



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APP'D	REMARKS

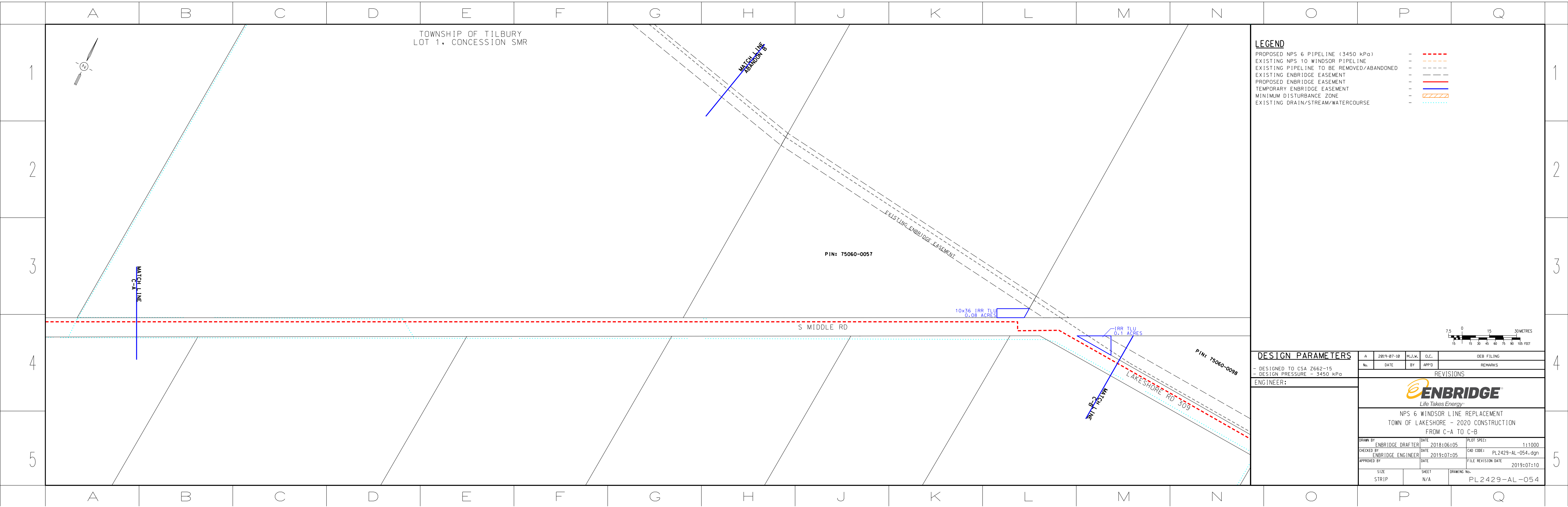
REVISIONS



NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE - 2020 CONSTRUCTION  
FROM B-Z TO C-A

DRAWN BY	ENBRIDGE DRAFTER	DATE	2018:06:05	PLOT SPEC:	1:1000
CHECKED BY	ENBRIDGE ENGINEER	DATE	2019:07:05	CAD CODE:	PL2429-AL-053.dgn
APPROVED BY		DATE		FILE REVISION DATE	2019:07:10

SIZE	STRIP	SHEET	N/A	DRAWING No.	PL2429-AL-053
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TOWNSHIP OF TILBURY  
LOT 1, CONCESSION SMR

MATCH LINE  
ABANDON 8

PIN: 75060-0057

10x36 IRR TLU  
0.08 ACRES

IRR TLU  
0.1 ACRES

PIN: 75060-0098

S MIDDLE RD

LAKESHORE RD  
309

MATCH LINE  
C-B


LEGEND

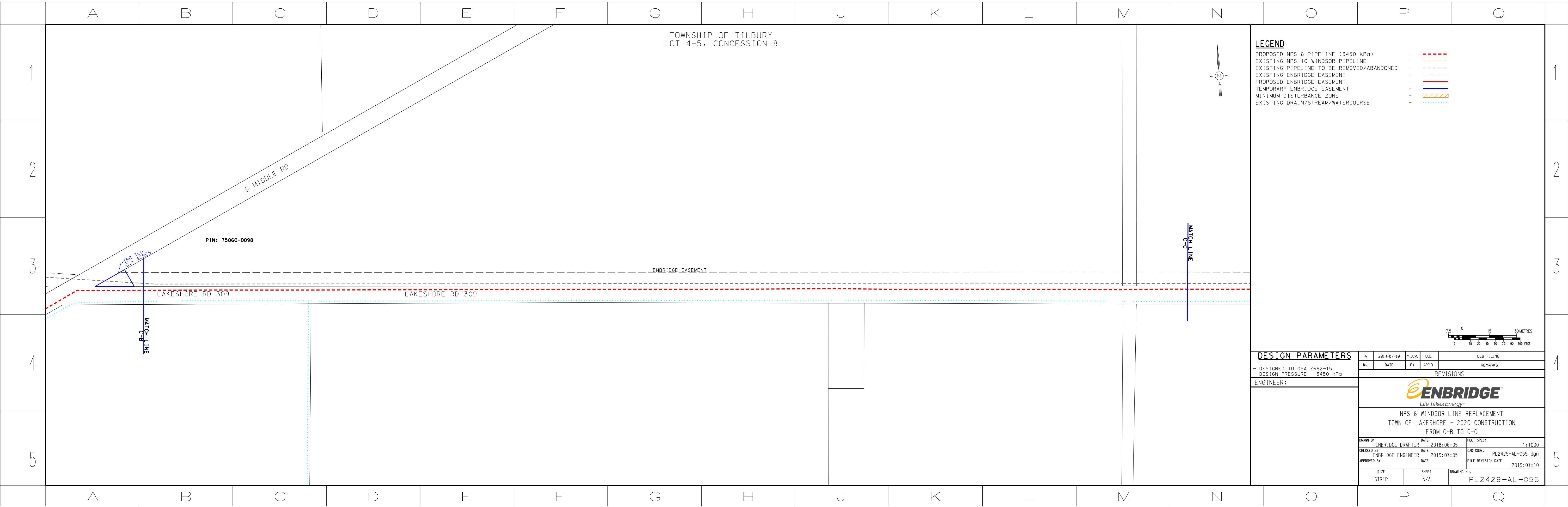
- PROPOSED NPS 6 PIPELINE (3450 kPa) - ---
- EXISTING NPS 10 WINDSOR PIPELINE - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - -
- EXISTING ENBRIDGE EASEMENT - - -
- PROPOSED ENBRIDGE EASEMENT - - -
- TEMPORARY ENBRIDGE EASEMENT - - -
- MINIMUM DISTURBANCE ZONE - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - -

DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING	
No.	DATE	BY	APP'D	REMARKS	
REVISIONS					
					
NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2020 CONSTRUCTION FROM C-A TO C-B					
DRAWN BY ENBRIDGE DRAFTER		DATE 2018:06:05	PLOT SPEC:  1:1000		
CHECKED BY ENBRIDGE ENGINEER		DATE 2019:07:05	CAD CODE: PL2429-AL-054.dgn		
APPROVED BY		DATE	FILE REVISION DATE 2019:07:10		
SIZE STRIP		SHEET N/A	DRAWING No. PL2429-AL-054		



- LEGEND**
- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
  - EXISTING NPS 10 WINDSOR PIPELINE - - - - -
  - EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
  - EXISTING ENBRIDGE EASEMENT - - - - -
  - PROPOSED ENBRIDGE EASEMENT - - - - -
  - TEMPORARY ENBRIDGE EASEMENT - - - - -
  - MINIMUM DISTURBANCE ZONE - - - - -
  - EXISTING DRAIN/STREAM/WATERCOURSE - - - - -

**DESIGN PARAMETERS**

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APP'D	REMARKS

**ENGINEER:**

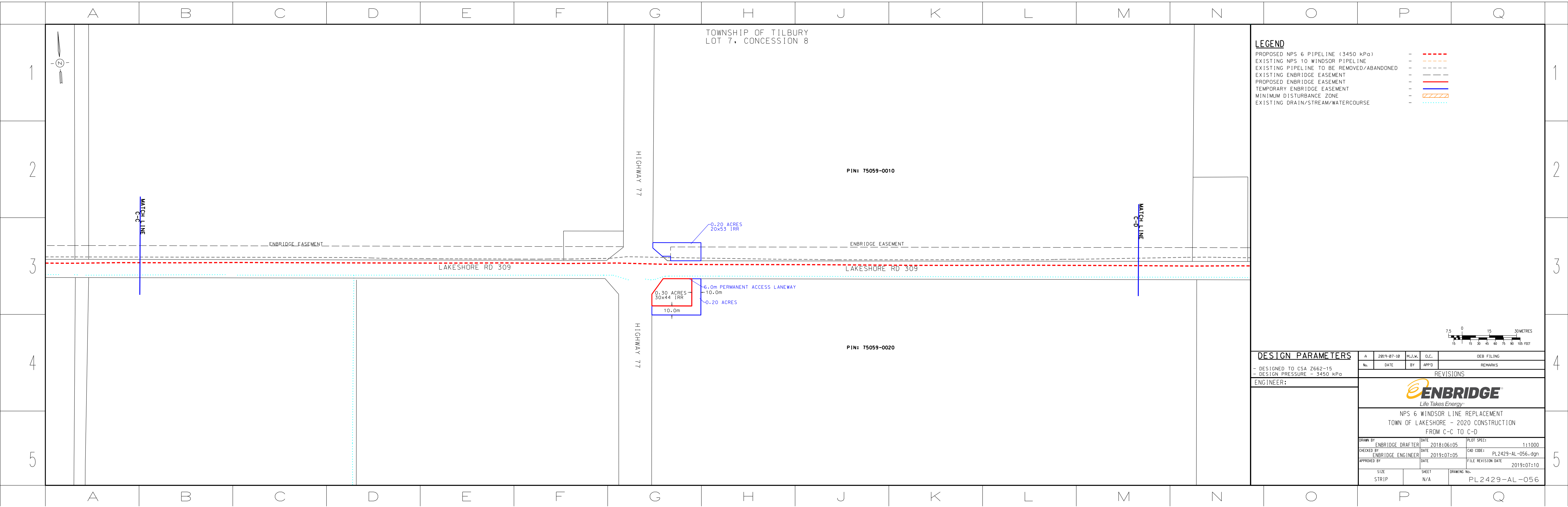
**REVISIONS**

DATE	2018:06:05	PL2429-AL-055.dgn
DATE	2019:07:05	FILE REVISION DATE
DATE	2019:07:10	FILE REVISION DATE

**ENBRIDGE**  
*Life Takes Energy*


NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE - 2020 CONSTRUCTION  
FROM C-B TO C-C

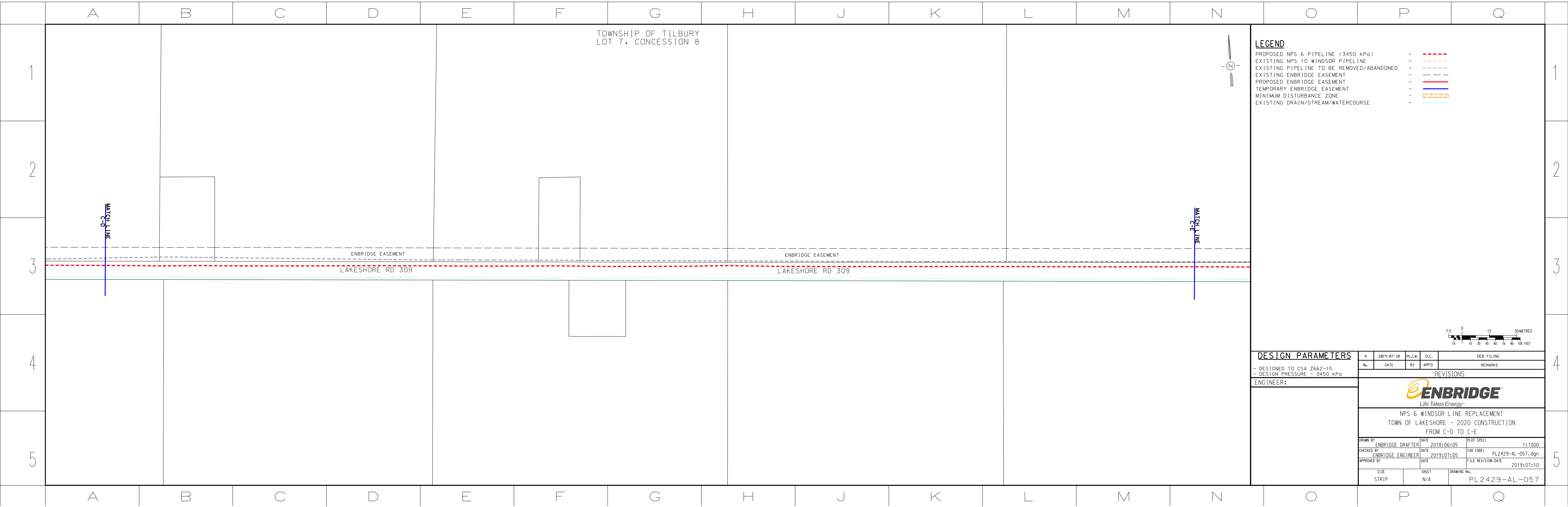
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CHECKED BY ENBRIDGE ENGINEER	DATE 2019:07:05	CAD CODE: PL2429-AL-055.dgn
APPROVED BY	DATE	FILE REVISION DATE 2019:07:10
SIZE STRIP	SHEET N/A	DRAWING No. PL2429-AL-055



**LEGEND**

PROPOSED NPS 6 PIPELINE (3450 kPa)	-	---
EXISTING NPS 10 WINDSOR PIPELINE	-	---
EXISTING PIPELINE TO BE REMOVED/ABANDONED	-	---
EXISTING ENBRIDGE EASEMENT	-	---
PROPOSED ENBRIDGE EASEMENT	-	---
TEMPORARY ENBRIDGE EASEMENT	-	---
MINIMUM DISTURBANCE ZONE	-	---
EXISTING DRAIN/STREAM/WATERCOURSE	-	---

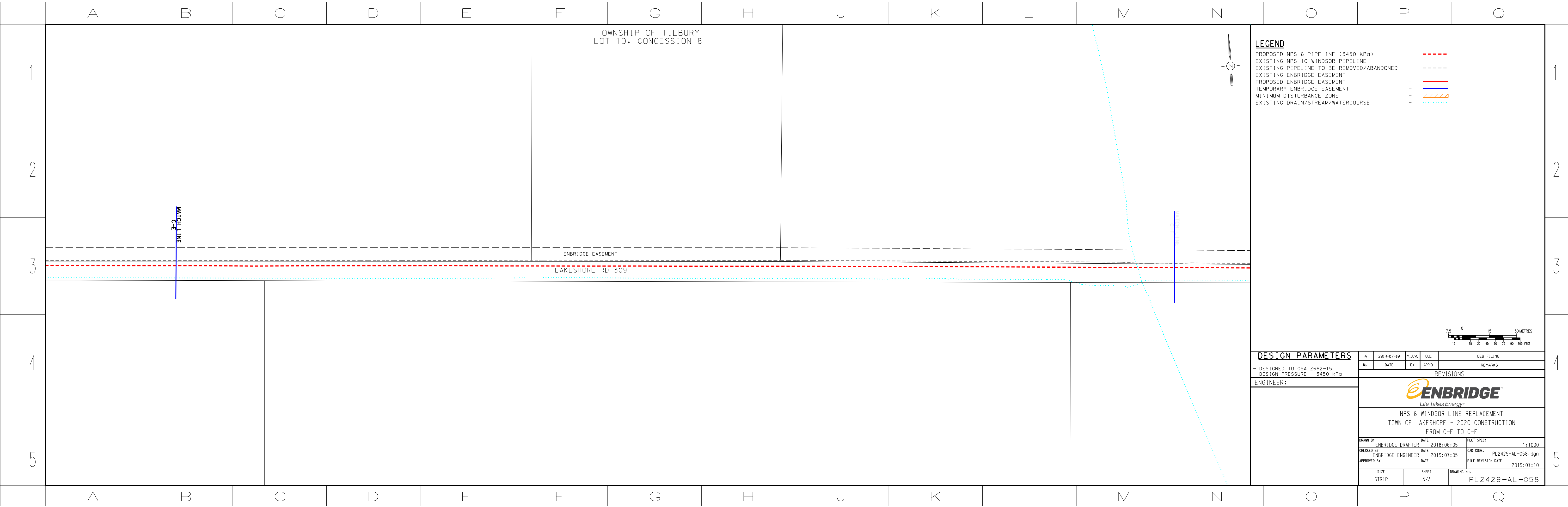
DESIGN PARAMETERS	A	2019-07-10	M.J.W.	O.C.	OEB FILING
	No.	DATE	BY	APP'D	REMARKS
DESIGNED TO CSA Z662-15 - DESIGN PRESSURE - 3450 kPa	REVISIONS				
ENGINEER:	<div> <i>Life Takes Energy®</i></div>				
	NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2020 CONSTRUCTION FROM C-C TO C-D				
	DRAWN BY ENBRIDGE DRAFTER		DATE 2018:06:05	PLOT SPEC: 1:1000	
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	APPROVED BY		DATE	FILE REVISION DATE 2019:07:10	
	SIZE STRIP		SHEET N/A	DRAWING No. PL 2429-AL-056	



**LEGEND**

PROPOSED NPS 6 PIPELINE (3450 kPa)	-	---
EXISTING NPS 10 WINDSOR PIPELINE	-	---
EXISTING PIPELINE TO BE REMOVED/ABANDONED	-	---
EXISTING ENBRIDGE EASEMENT	-	---
PROPOSED ENBRIDGE EASEMENT	-	---
TEMPORARY ENBRIDGE EASEMENT	-	---
MINIMUM DISTURBANCE ZONE	-	---
EXISTING DRAIN/STREAM/WATERCOURSE	-	---

<b>DESIGN PARAMETERS</b>		A		2019-07-10		M.J.W.		O.C.		OEB FILING	
- DESIGNED TO CSA Z662-15		No.		DATE		BY		APP'D		REMARKS	
- DESIGN PRESSURE - 3450 kPa											
ENGINEER:		<b>ENBRIDGE</b> <i>Life Takes Energy</i>									
		NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2020 CONSTRUCTION FROM C-D TO C-E									
DRAWN BY: ENBRIDGE DRAFTER		DATE: 2018:06:05		PLOT SPEC: 1:1000							
CHECKED BY: ENBRIDGE ENGINEER		DATE: 2019:07:05		CAD CODE: PL2429-AL-057.dgn							
APPROVED BY:		DATE:		FILE REVISION DATE: 2019:07:10							
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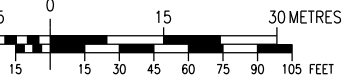


TOWNSHIP OF TILBURY  
LOT 10, CONCESSION 8



**LEGEND**

- PROPOSED NPS 6 PIPELINE (3450 kPa) - ---
- EXISTING NPS 10 WINDSOR PIPELINE - - - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -



**DESIGN PARAMETERS**

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

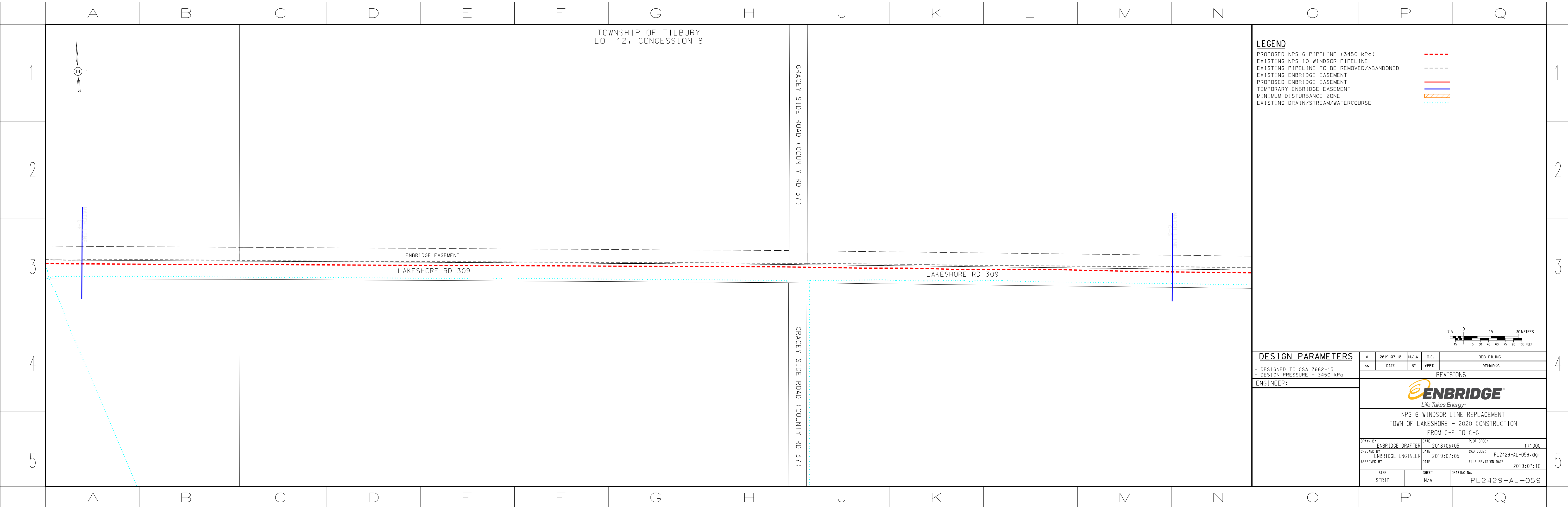
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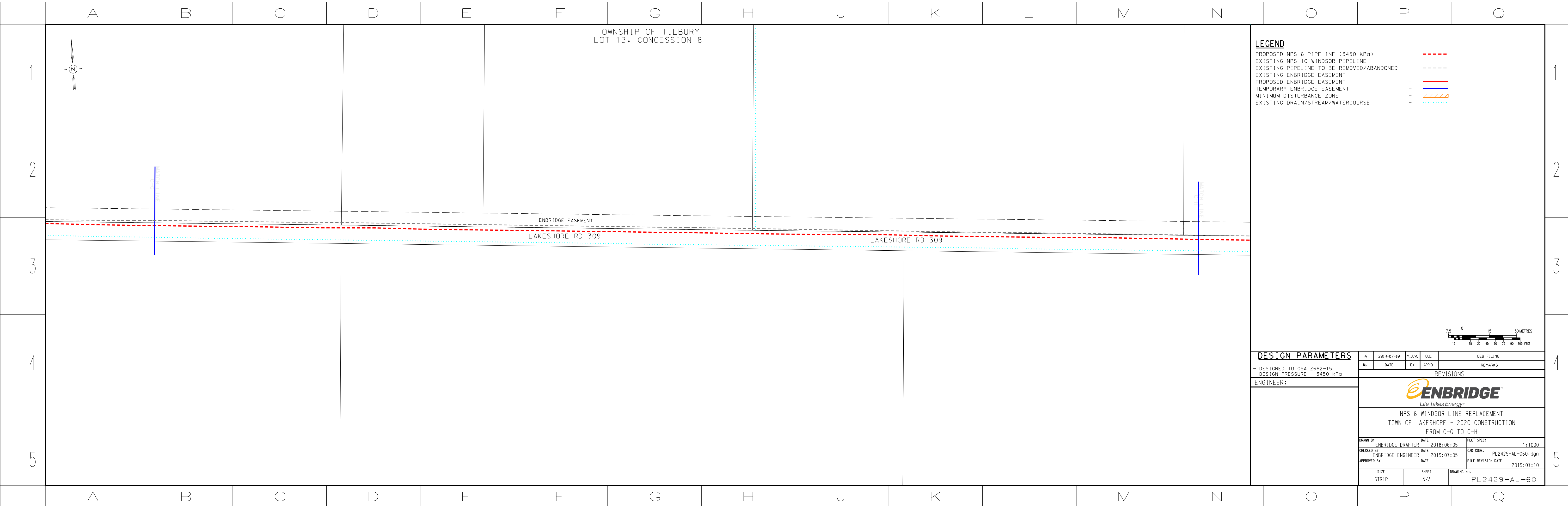
A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APP'D	REMARKS

NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE - 2020 CONSTRUCTION  
FROM C-E TO C-F

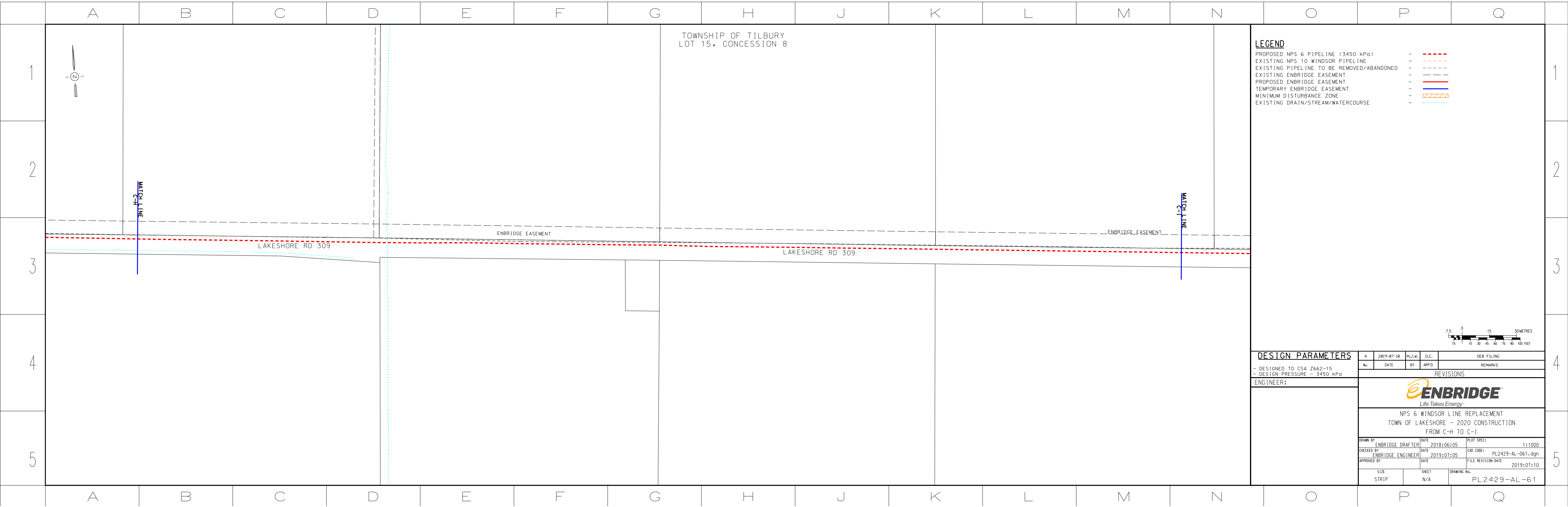
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APPROVED BY		DATE	2019:07:10	FILE REVISION DATE	

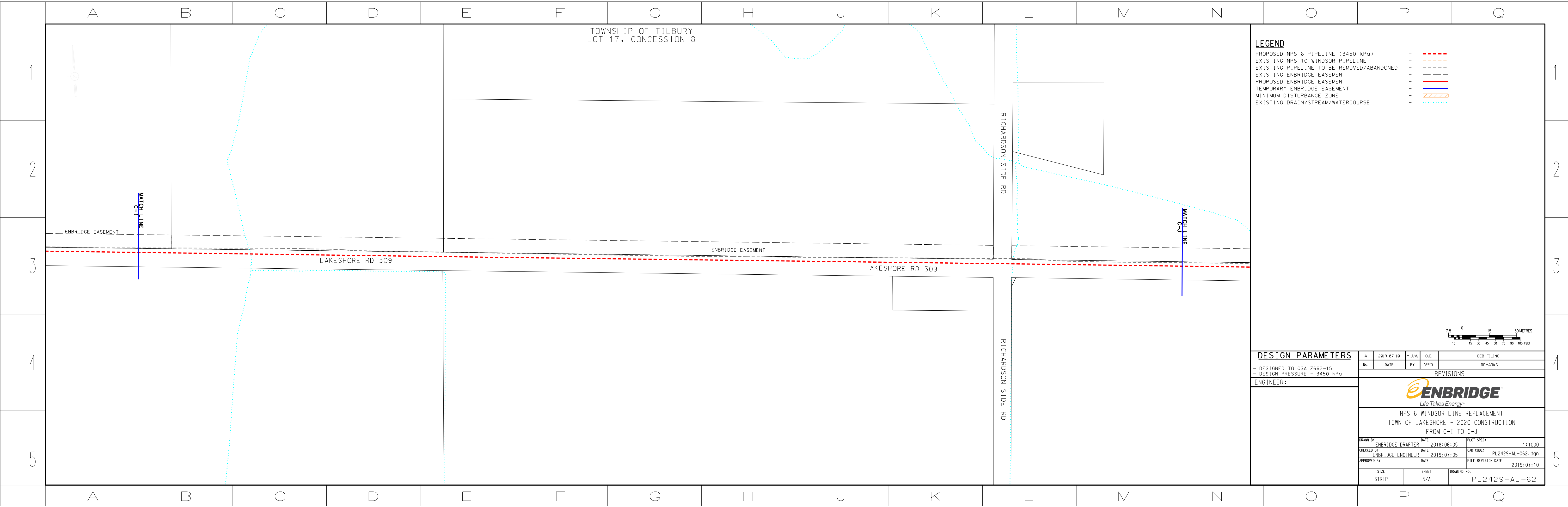
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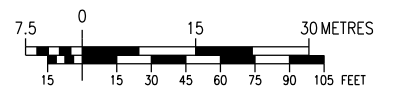




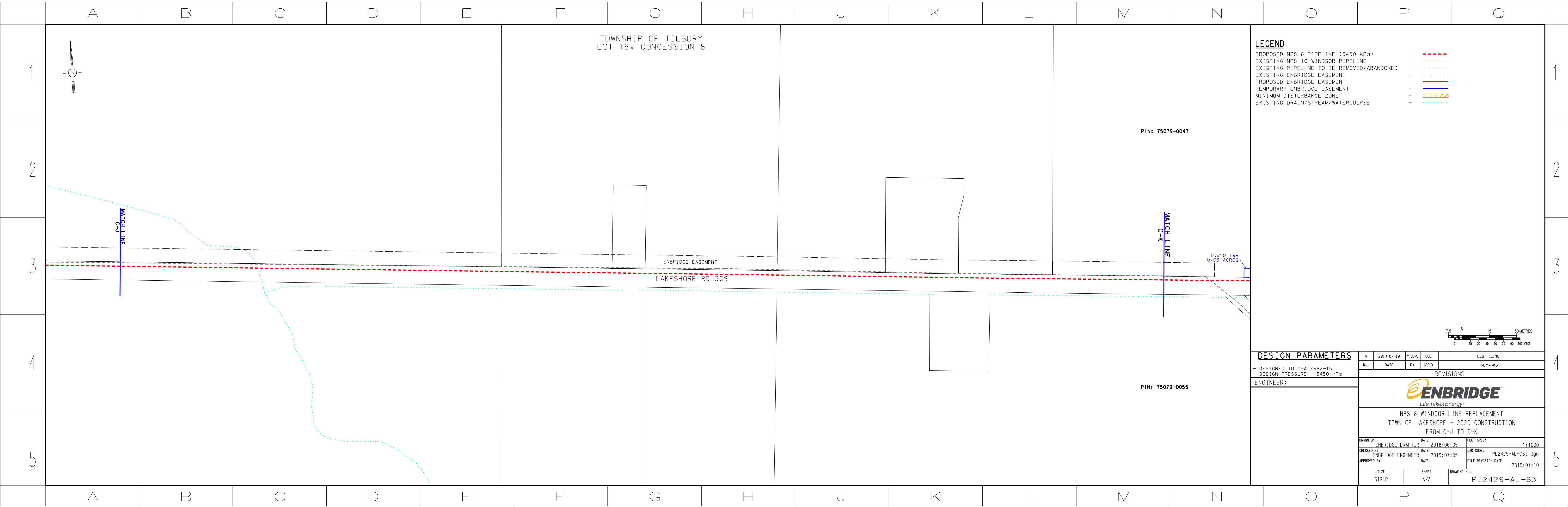




- LEGEND**
- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
  - EXISTING NPS 10 WINDSOR PIPELINE - - - - -
  - EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
  - EXISTING ENBRIDGE EASEMENT - - - - -
  - PROPOSED ENBRIDGE EASEMENT - - - - -
  - TEMPORARY ENBRIDGE EASEMENT - - - - -
  - MINIMUM DISTURBANCE ZONE - - - - -
  - EXISTING DRAIN/STREAM/WATERCOURSE - - - - -



DESIGN PARAMETERS					A	2019-07-10	M.J.W.	O.C.	OEB FILING	
- DESIGNED TO CSA Z662-15 - DESIGN PRESSURE - 3450 kPa  ENGINEER:   										



TOWNSHIP OF TILBURY  
LOT 19, CONCESSION 8

LEGEND

- PROPOSED NPS 6 PIPELINE (3450 kPa) - [Red dashed line]
- EXISTING NPS 10 WINDSOR PIPELINE - [Orange dashed line]
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - [Grey dashed line]
- EXISTING ENBRIDGE EASEMENT - [Black dashed line]
- PROPOSED ENBRIDGE EASEMENT - [Blue solid line]
- TEMPORARY ENBRIDGE EASEMENT - [Red solid line]
- MINIMUM DISTURBANCE ZONE - [Orange hatched area]
- EXISTING DRAIN/STREAM/WATERCOURSE - [Cyan dotted line]

PIN: 75079-0047

MATCH LINE  
C-J

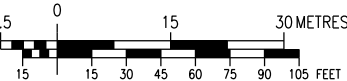
MATCH LINE  
C-K

10x10 IRR  
0.03 ACRES

ENBRIDGE EASEMENT

LAKESHORE RD 309


PIN: 75079-0055

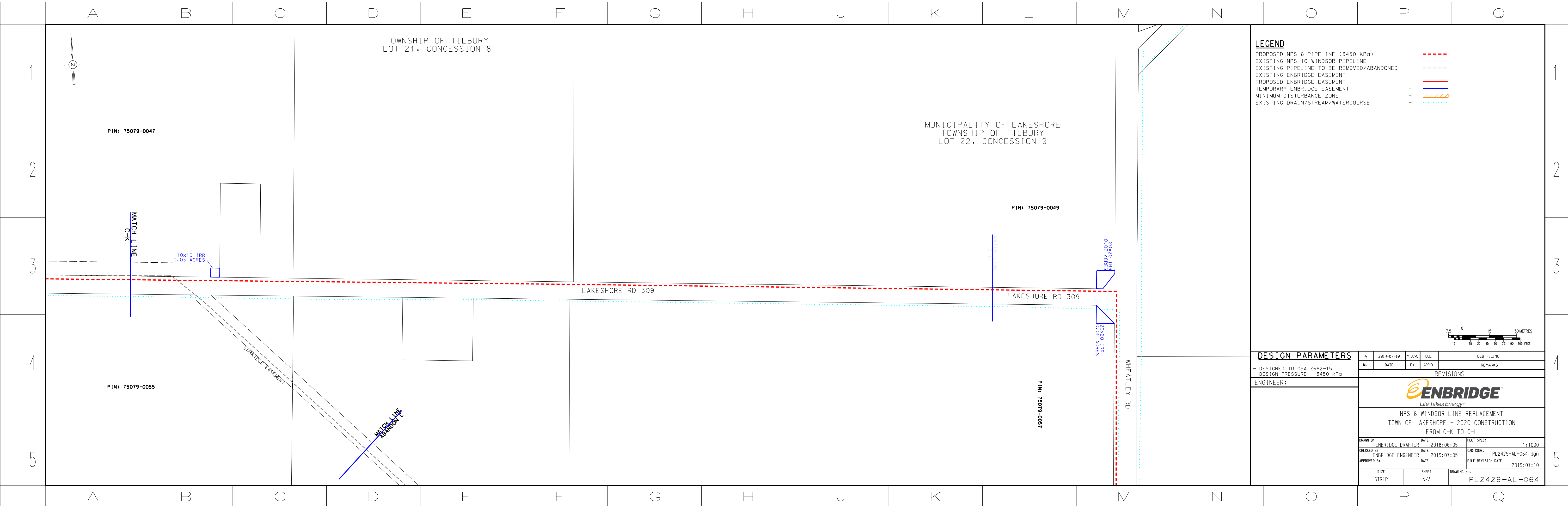


DESIGN PARAMETERS

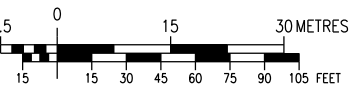
- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa


ENGINEER:

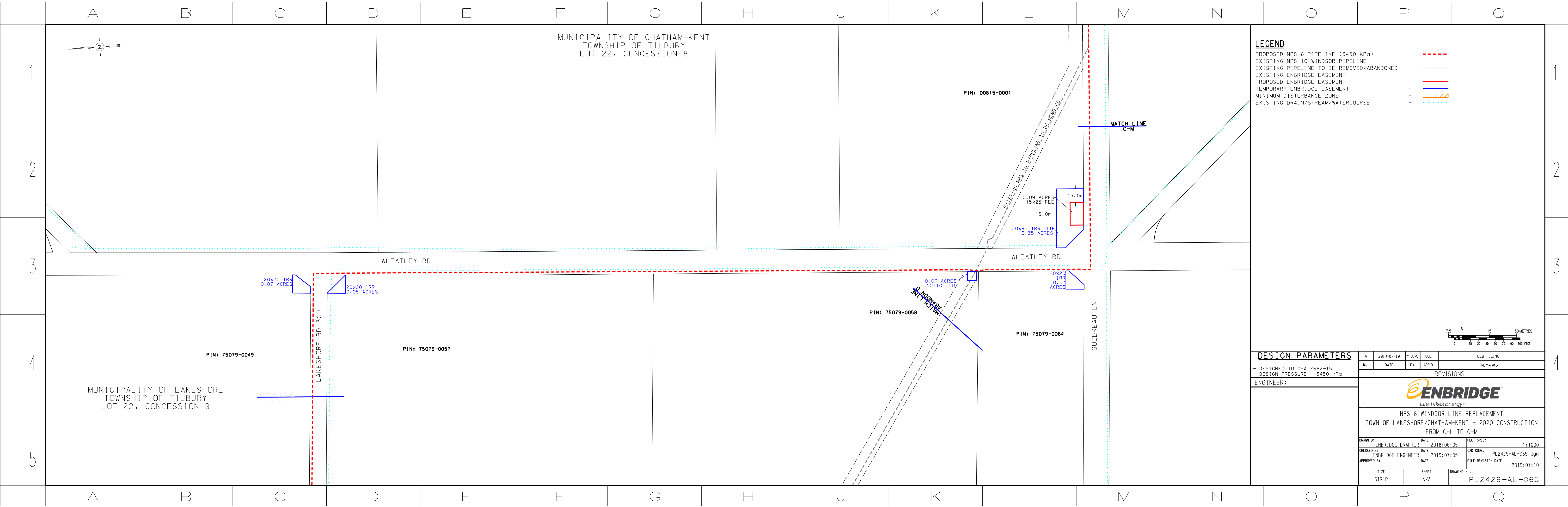
A	2019-07-10	M.J.W.	O.C.	OEB FILING	
No.	DATE	BY	APP'D	REMARKS	
REVISIONS					
 <i>Life Takes Energy®</i>					
NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2020 CONSTRUCTION FROM C-J TO C-K					
DRAWN BY ENBRIDGE DRAFTER		DATE 2018:06:05	PLOT SPEC:  1:1000		
CHECKED BY ENBRIDGE ENGINEER		DATE 2019:07:05	CAD CODE: PL2429-AL-063.dgn		
APPROVED BY		DATE	FILE REVISION DATE 2019:07:10		
SIZE STRIP		SHEET N/A	DRAWING No. PL2429-AL-63		



LEGEND	
PROPOSED NPS 6 PIPELINE (3450 kPa)	- - - - -
EXISTING NPS 10 WINDSOR PIPELINE	- - - - -
EXISTING PIPELINE TO BE REMOVED/ABANDONED	- - - - -
EXISTING ENBRIDGE EASEMENT	- - - - -
PROPOSED ENBRIDGE EASEMENT	- - - - -
TEMPORARY ENBRIDGE EASEMENT	- - - - -
MINIMUM DISTURBANCE ZONE	- - - - -
EXISTING DRAIN/STREAM/WATERCOURSE	- - - - -



DESIGN PARAMETERS		A		2019-07-10		M.J.W.		O.C.		OEB FILING			
- DESIGNED TO CSA Z662-15		No.		DATE		BY		APP'D		REMARKS			
- DESIGN PRESSURE = 3450 kPa													
ENGINEER:													
		<div><p>Life Takes Energy®</p></div>											
		NPS 6 WINDSOR LINE REPLACEMENT TOWN OF LAKESHORE - 2020 CONSTRUCTION FROM C-K TO C-L											
		DRAWN BY ENBRIDGE DRAFTER				DATE 2018:06:05		PLOT SPEC: 1:1000					
		CHECKED BY ENBRIDGE ENGINEER				DATE 2019:07:05		CAD CODE: PL2429-AL-064.dgn					
		APPROVED BY				DATE		FILE REVISION DATE 2019:07:10					
		SIZE STRIP		SHEET N/A		DRAWING No. PL2429-AL-064							



MUNICIPALITY OF CHATHAM-KENT  
TOWNSHIP OF TILBURY  
LOT 22, CONCESSION 8

PIN: 00815-0001

MATCH LINE  
C-M

WHEATLEY RD

GOODREAU LN

PIN: 75079-0058

PIN: 75079-0064

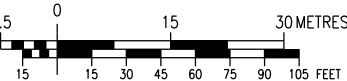
PIN: 75079-0057

PIN: 75079-0049

MUNICIPALITY OF LAKESHORE  
TOWNSHIP OF TILBURY  
LOT 22, CONCESSION 9

LEGEND

- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
- EXISTING NPS 10 WINDSOR PIPELINE - - - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

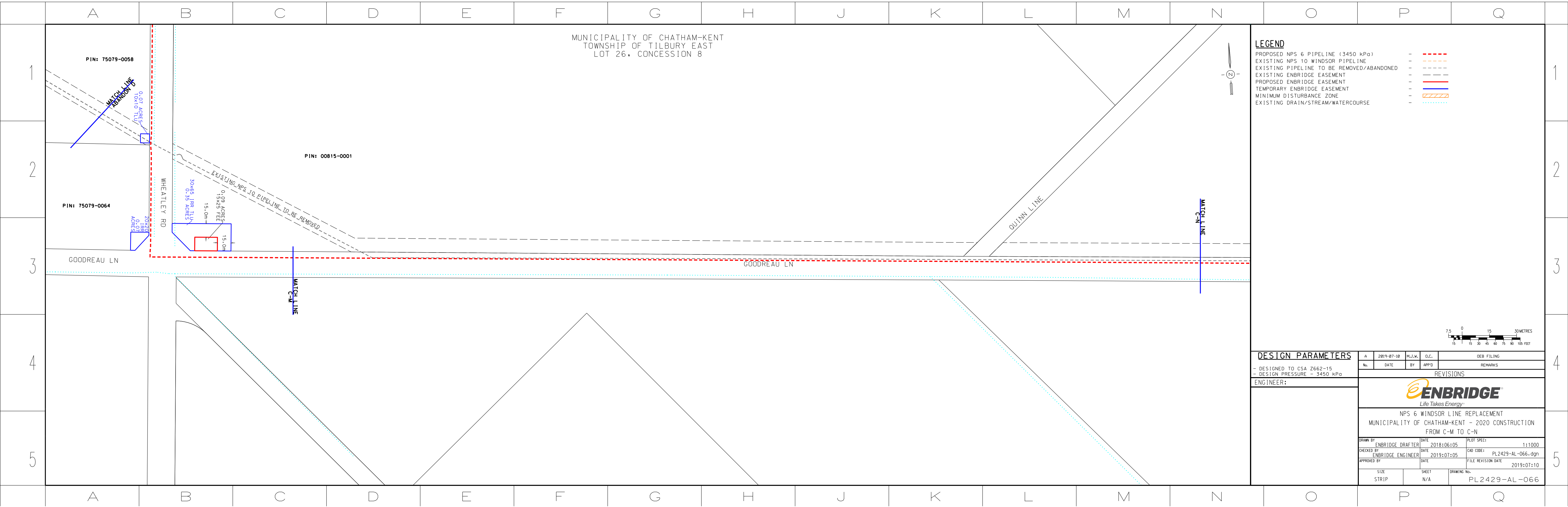
ENGINEER:



NPS 6 WINDSOR LINE REPLACEMENT  
TOWN OF LAKESHORE/CHATHAM-KENT - 2020 CONSTRUCTION  
FROM C-L TO C-M

DRAWN BY	ENBRIDGE DRAFTER	DATE	2018:06:05	PLOT SPEC:	1:1000
CHECKED BY	ENBRIDGE ENGINEER	DATE	2019:07:05	CAD CODE:	PL2429-AL-065.dgn
APPROVED BY		DATE		FILE REVISION DATE	2019:07:10

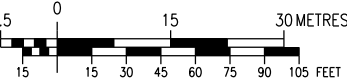
SIZE	STRIP	SHEET	N/A	DRAWING No.	PL2429-AL-065
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MUNICIPALITY OF CHATHAM-KENT  
TOWNSHIP OF TILBURY EAST  
LOT 26, CONCESSION 8

LEGEND

- PROPOSED NPS 6 PIPELINE (3450 kPa) - [Red dashed line]
- EXISTING NPS 10 WINDSOR PIPELINE - [Orange dashed line]
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - [Grey dashed line]
- EXISTING ENBRIDGE EASEMENT - [Black dashed line]
- PROPOSED ENBRIDGE EASEMENT - [Red solid line]
- TEMPORARY ENBRIDGE EASEMENT - [Blue solid line]
- MINIMUM DISTURBANCE ZONE - [Orange hatched area]
- EXISTING DRAIN/STREAM/WATERCOURSE - [Cyan dotted line]



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APP'D	REMARKS

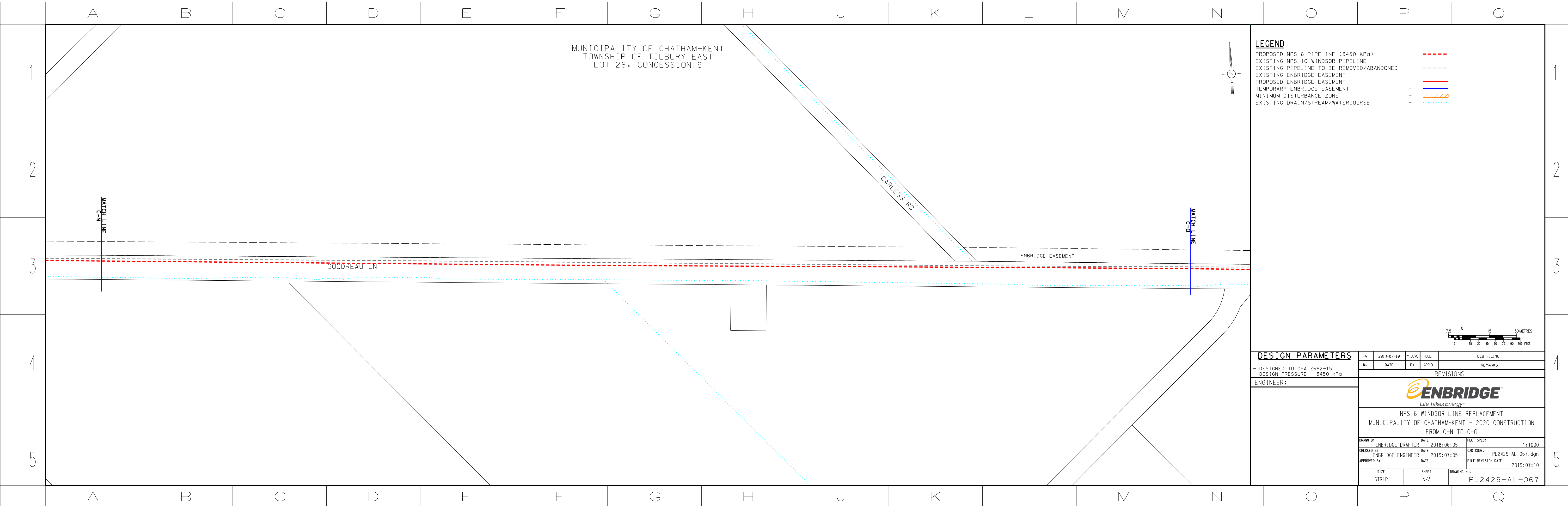
REVISIONS



NPS 6 WINDSOR LINE REPLACEMENT  
MUNICIPALITY OF CHATHAM-KENT - 2020 CONSTRUCTION  
FROM C-M TO C-N

DRAWN BY ENBRIDGE DRAFTER	DATE 2018:06:05	PLOT SPEC: 1:1000
CHECKED BY ENBRIDGE ENGINEER	DATE 2019:07:05	CAD CODE: PL2429-AL-066.dgn
APPROVED BY	DATE 2019:07:10	FILE REVISION DATE

SIZE STRIP	SHEET N/A	DRAWING No. PL2429-AL-066
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DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
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No.	DATE	BY	APP'D	REMARKS
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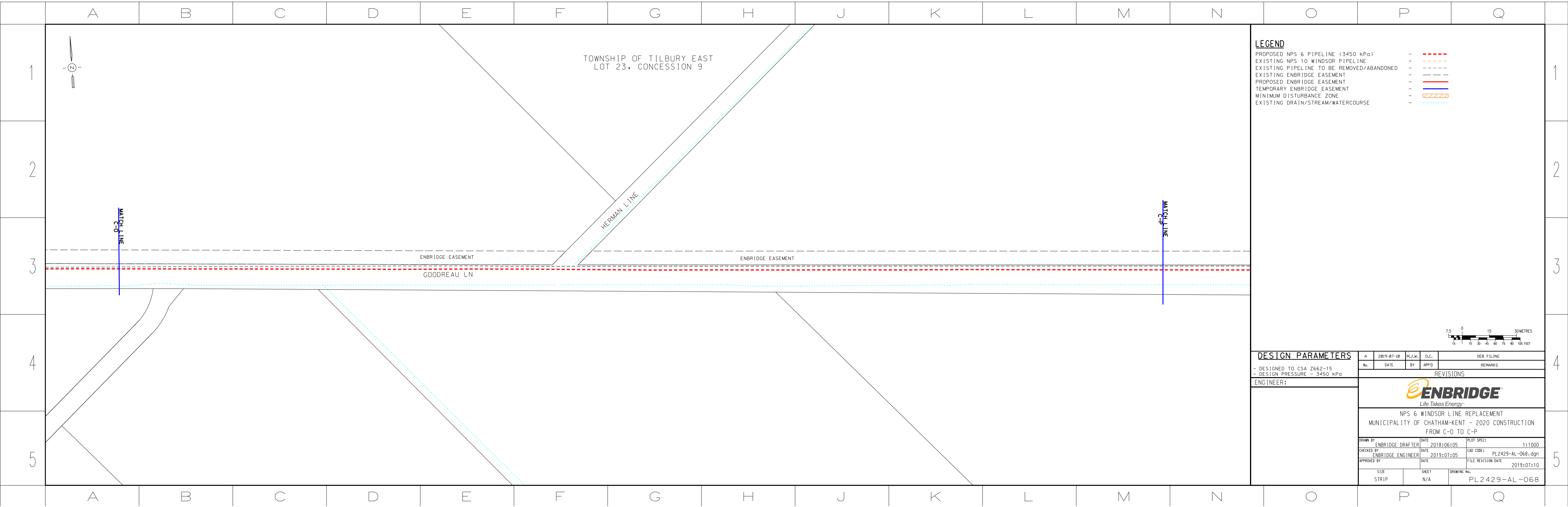
REVISIONS



NPS 6 WINDSOR LINE REPLACEMENT  
MUNICIPALITY OF CHATHAM-KENT - 2020 CONSTRUCTION  
FROM C-N TO C-O

DRAWN BY	ENBRIDGE DRAFTER	DATE	2018:06:05	PLOT SPEC:	1:1000
CHECKED BY	ENBRIDGE ENGINEER	DATE	2019:07:05	CAD CODE:	PL2429-AL-067.dgn
APPROVED BY		DATE		FILE REVISION DATE	2019:07:10

SIZE	STRIP	SHEET	N/A	DRAWING No.	PL2429-AL-067
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LEGEND

PROPOSED NPS 6 PIPELINE (3450 kPa)

EXISTING NPS 10 WINDSOR PIPELINE

EXISTING PIPELINE TO BE REMOVED/ABANDONED

EXISTING ENBRIDGE EASEMENT

PROPOSED ENBRIDGE EASEMENT

TEMPORARY ENBRIDGE EASEMENT

MINIMUM DISTURBANCE ZONE

EXISTING DRAIN/STREAM/WATERCOURSE

-

-

-

-

-

-

-

-

DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15

- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A

2019-07-10

M.J.W.

O.C.

OEB FILING

No.


DATE

BY

APP'D

REMARKS

REVISIONS



NPS 6 WINDSOR LINE REPLACEMENT

MUNICIPALITY OF CHATHAM-KENT - 2020 CONSTRUCTION

FROM C-0 TO C-P

DRAWN BY

ENBRIDGE DRAFTER

DATE

2018:06:05

PLOT SPEC:

1:1000

CHECKED BY

ENBRIDGE ENGINEER

DATE

2019:07:05

CAD CODE:

PL2429-AL-068.dgn

APPROVED BY

DATE

FILE REVISION DATE

2019:07:10

SIZE

STRIP

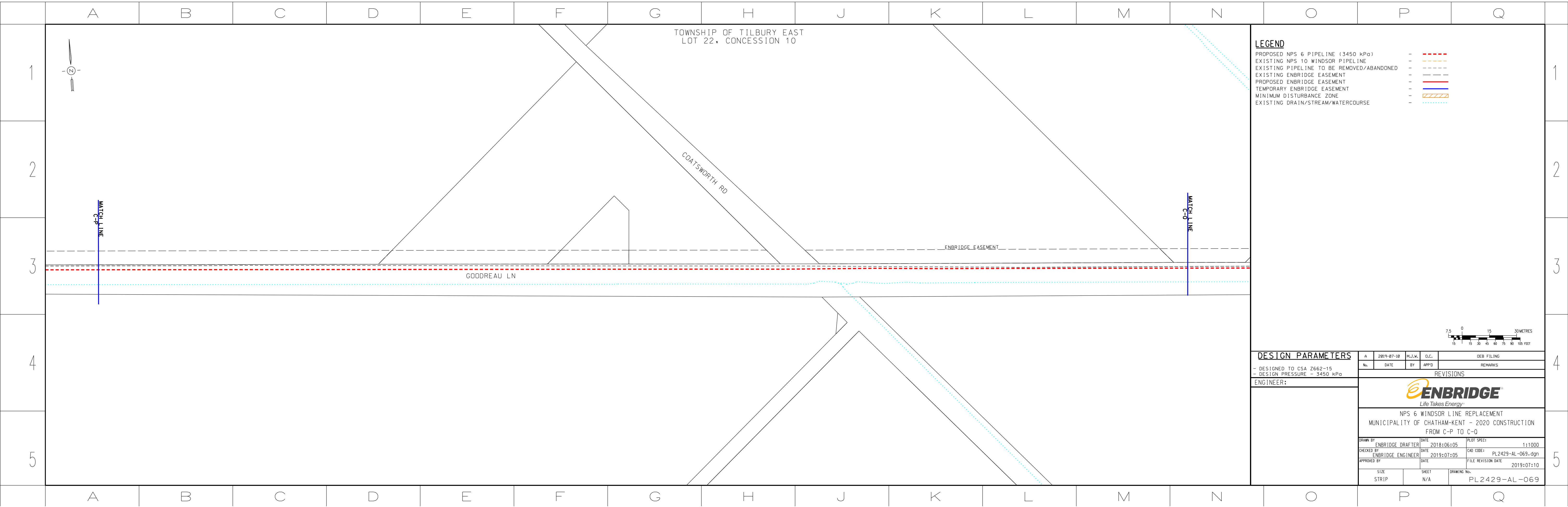
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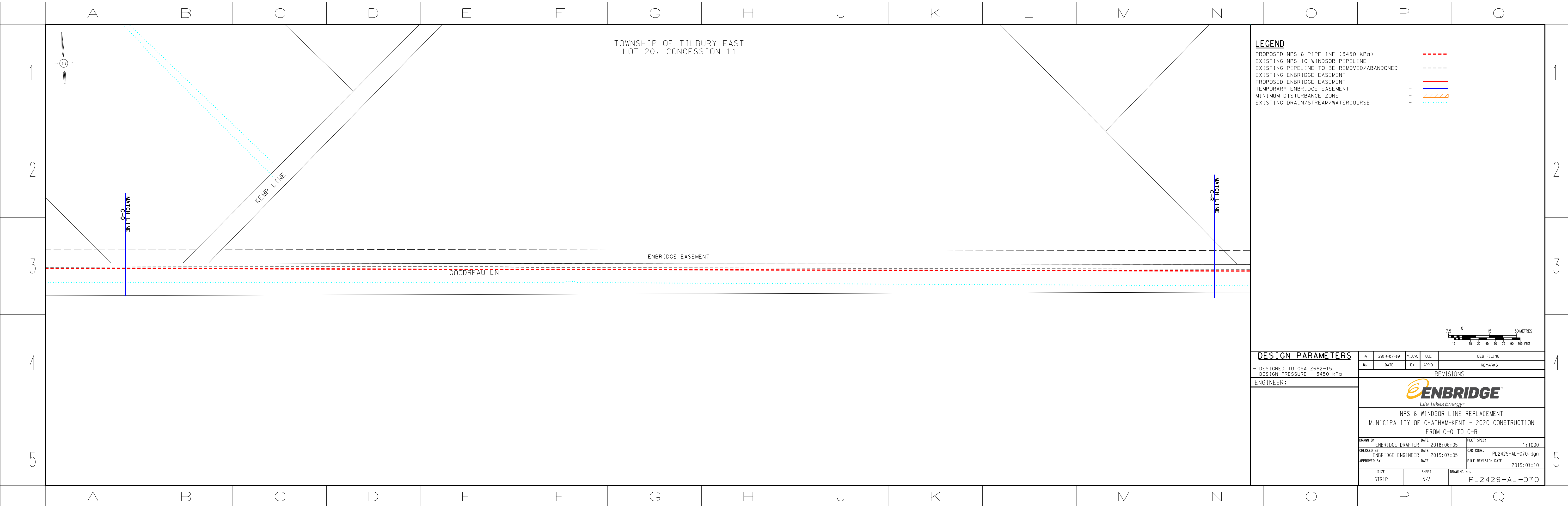
N/A

DRAWING No.

PL2429-AL-068







TOWNSHIP OF TILBURY EAST  
LOT 20, CONCESSION 11

- LEGEND**
- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
  - EXISTING NPS 10 WINDSOR PIPELINE - - - - -
  - EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
  - EXISTING ENBRIDGE EASEMENT - - - - -
  - PROPOSED ENBRIDGE EASEMENT - - - - -
  - TEMPORARY ENBRIDGE EASEMENT - - - - -
  - MINIMUM DISTURBANCE ZONE - - - - -
  - EXISTING DRAIN/STREAM/WATERCOURSE - - - - -

DESIGN PARAMETERS				
- DESIGNED TO CSA Z662-15				
- DESIGN PRESSURE - 3450 kPa				

REVISIONS				
No.	DATE	BY	APP'D	REMARKS

ENGINEER:

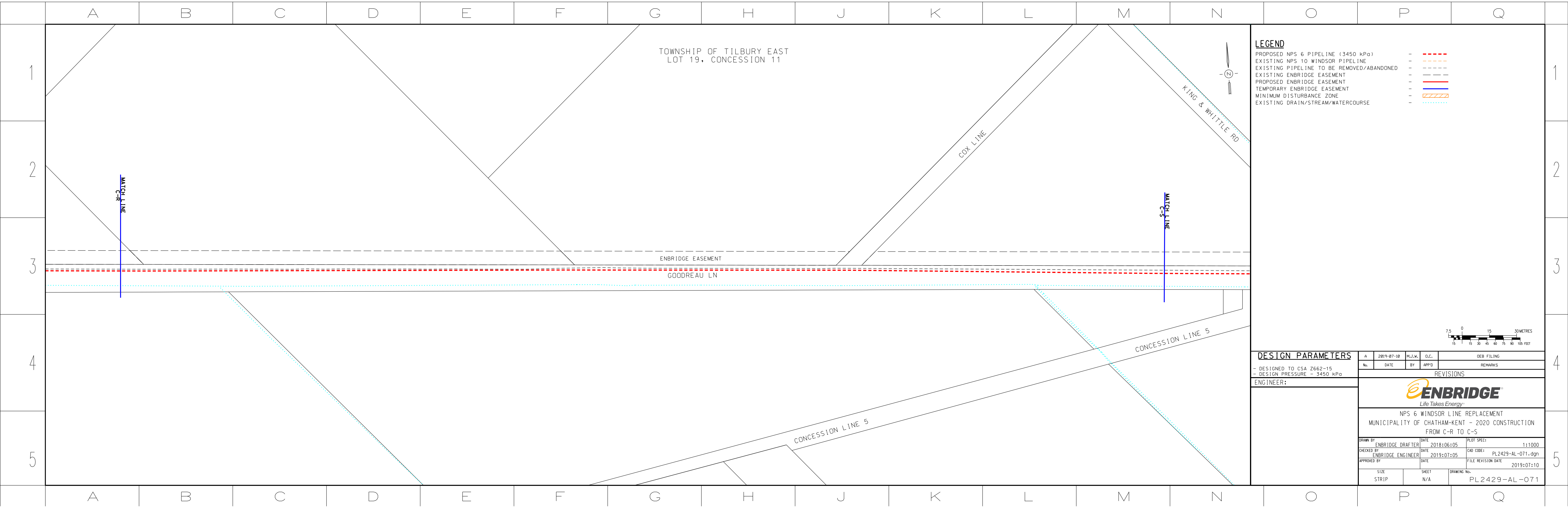
NPS 6 WINDSOR LINE REPLACEMENT  
MUNICIPALITY OF CHATHAM-KENT - 2020 CONSTRUCTION  
FROM C-Q TO C-R

DRAWN BY		DATE	PLOT SPEC:
ENBRIDGE DRAFTER		2018:06:05	1:1000

CHECKED BY		DATE	CAD CODE:
ENBRIDGE ENGINEER		2019:07:05	PL2429-AL-070.dgn

APPROVED BY		DATE	FILE REVISION DATE
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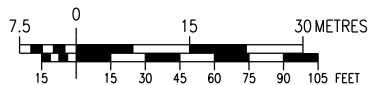
SIZE	SHEET	DRAWING No.
STRIP	N/A	PL2429-AL-070



TOWNSHIP OF TILBURY EAST  
LOT 19, CONCESSION 11

LEGEND

- PROPOSED NPS 6 PIPELINE (3450 kPa) - [Red dashed line]
- EXISTING NPS 10 WINDSOR PIPELINE - [Orange dashed line]
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - [Grey dashed line]
- EXISTING ENBRIDGE EASEMENT - [Black dashed line]
- PROPOSED ENBRIDGE EASEMENT - [Red solid line]
- TEMPORARY ENBRIDGE EASEMENT - [Blue solid line]
- MINIMUM DISTURBANCE ZONE - [Orange hatched area]
- EXISTING DRAIN/STREAM/WATERCOURSE - [Cyan dotted line]



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APPD	REMARKS

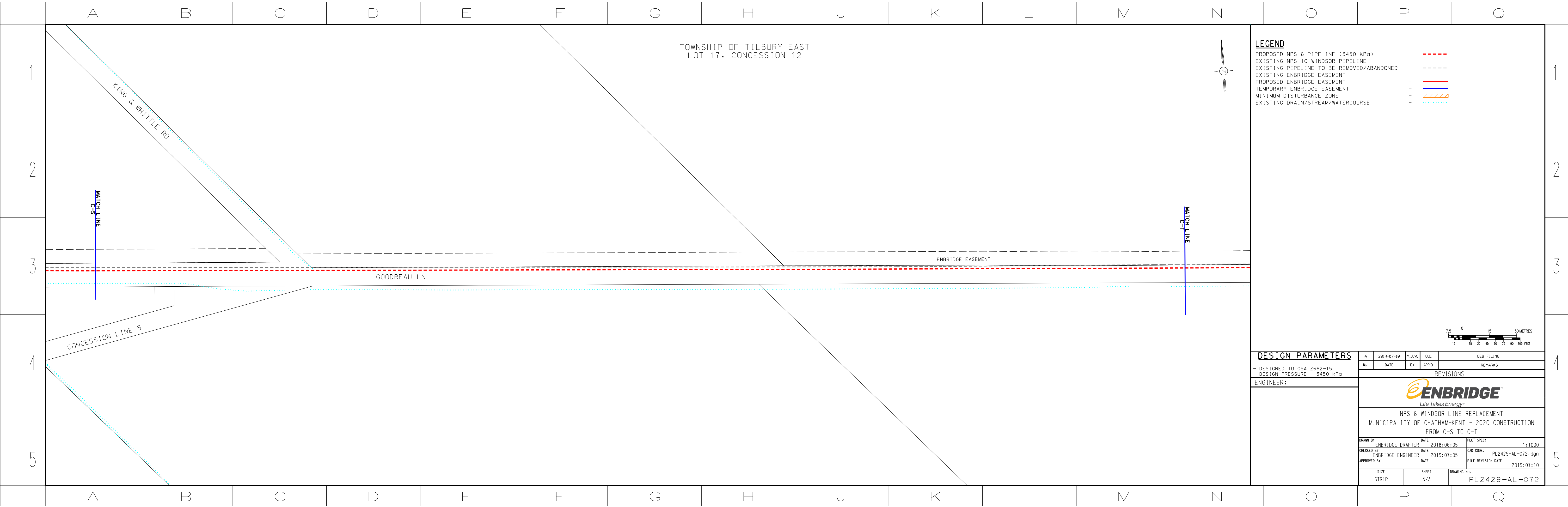
REVISIONS



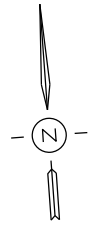
NPS 6 WINDSOR LINE REPLACEMENT  
MUNICIPALITY OF CHATHAM-KENT - 2020 CONSTRUCTION  
FROM C-R TO C-S

DRAWN BY ENBRIDGE DRAFTER	DATE 2018:06:05	PLOT SPEC: 1:1000
CHECKED BY ENBRIDGE ENGINEER	DATE 2019:07:05	CAD CODE: PL2429-AL-071.dgn
APPROVED BY	DATE 2019:07:10	FILE REVISION DATE

SIZE STRIP	SHEET N/A	DRAWING No. PL2429-AL-071
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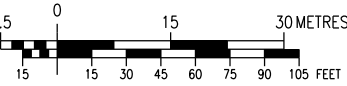


TOWNSHIP OF TILBURY EAST  
LOT 17, CONCESSION 12



LEGEND

- PROPOSED NPS 6 PIPELINE (3450 kPa) - [Red dashed line]
- EXISTING NPS 10 WINDSOR PIPELINE - [Orange dashed line]
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - [Grey dashed line]
- EXISTING ENBRIDGE EASEMENT - [Black dashed line]
- PROPOSED ENBRIDGE EASEMENT - [Red solid line]
- TEMPORARY ENBRIDGE EASEMENT - [Blue solid line]
- MINIMUM DISTURBANCE ZONE - [Orange hatched area]
- EXISTING DRAIN/STREAM/WATERCOURSE - [Cyan dotted line]



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

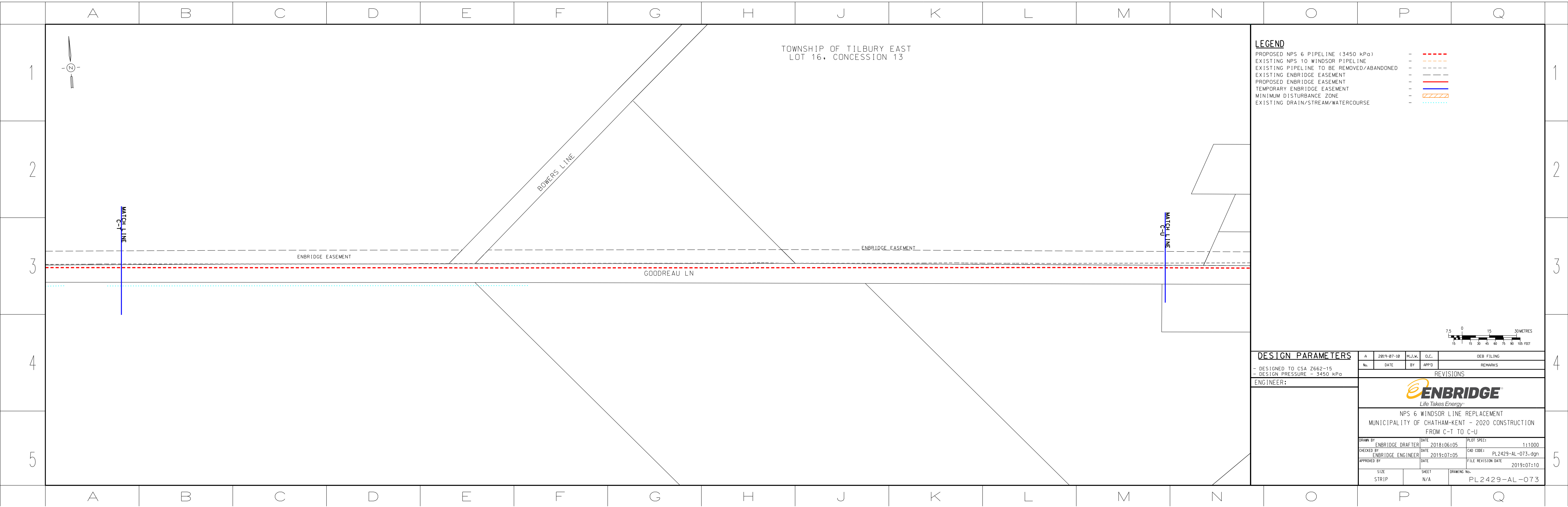
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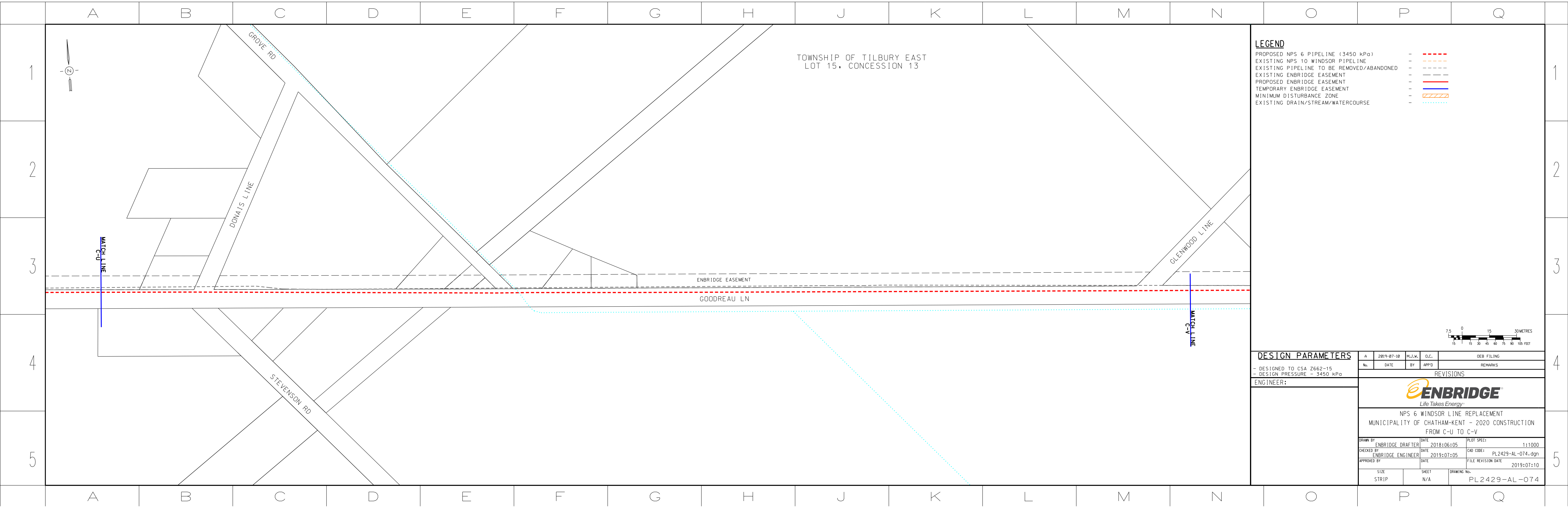
A		2019-07-10		M.J.W.		O.C.		OEB FILING	
No.		DATE		BY		APP'D		REMARKS	

NPS 6 WINDSOR LINE REPLACEMENT  
MUNICIPALITY OF CHATHAM-KENT - 2020 CONSTRUCTION  
FROM C-S TO C-T

DRAWN BY	ENBRIDGE DRAFTER	DATE	2018:06:05	PLOT SPEC:	1:1000
CHECKED BY	ENBRIDGE ENGINEER	DATE	2019:07:05	CAD CODE:	PL2429-AL-072.dgn
APPROVED BY		DATE		FILE REVISION DATE	2019:07:10

SIZE	STRIP	SHEET	N/A	DRAWING No.	PL2429-AL-072
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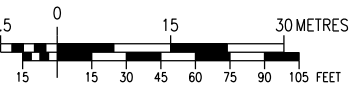




TOWNSHIP OF TILBURY EAST  
LOT 15, CONCESSION 13

LEGEND

PROPOSED NPS 6 PIPELINE (3450 kPa)	-	---
EXISTING NPS 10 WINDSOR PIPELINE	-	- - - -
EXISTING PIPELINE TO BE REMOVED/ABANDONED	-	- - - -
EXISTING ENBRIDGE EASEMENT	-	- - - -
PROPOSED ENBRIDGE EASEMENT	-	- - - -
TEMPORARY ENBRIDGE EASEMENT	-	- - - -
MINIMUM DISTURBANCE ZONE	-	- - - -
EXISTING DRAIN/STREAM/WATERCOURSE	-	- - - -



DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APP'D	REMARKS

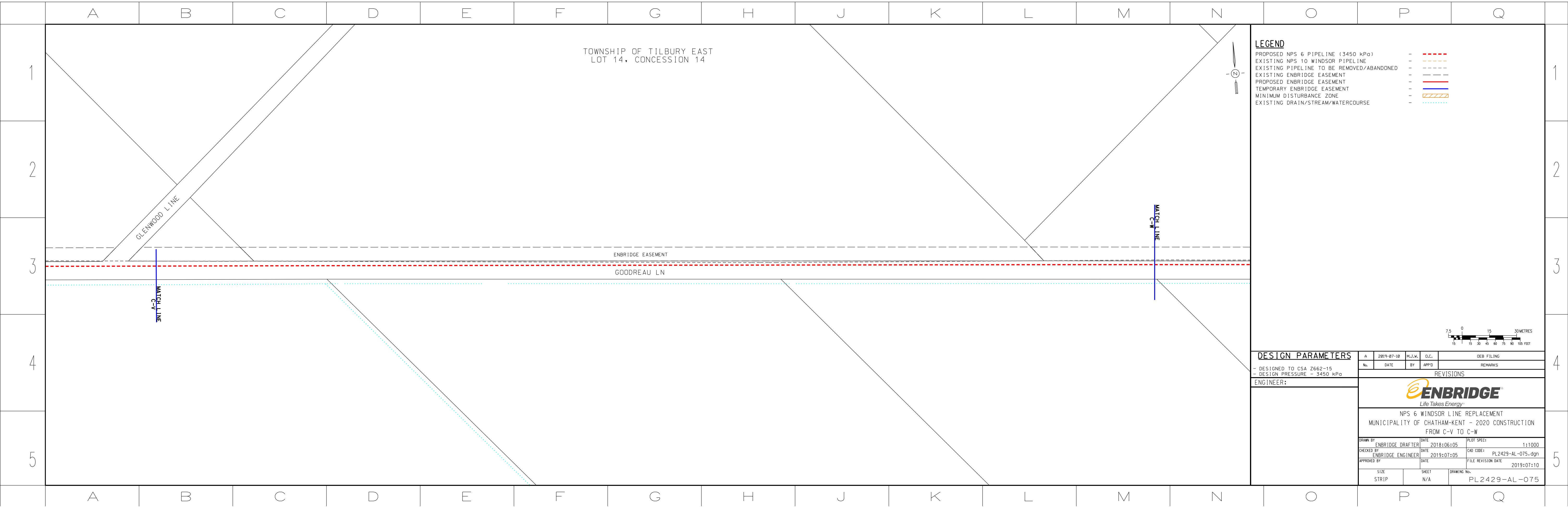
REVISIONS



NPS 6 WINDSOR LINE REPLACEMENT  
MUNICIPALITY OF CHATHAM-KENT - 2020 CONSTRUCTION  
FROM C-U TO C-V

DRAWN BY ENBRIDGE DRAFTER	DATE 2018:06:05	PLOT SPEC: 1:1000
CHECKED BY ENBRIDGE ENGINEER	DATE 2019:07:05	CAD CODE: PL2429-AL-074.dgn
APPROVED BY	DATE 2019:07:10	FILE REVISION DATE

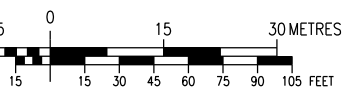
SIZE STRIP	SHEET N/A	DRAWING No. PL2429-AL-074
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TOWNSHIP OF TILBURY EAST  
LOT 14, CONCESSION 14

LEGEND


- PROPOSED NPS 6 PIPELINE (3450 kPa) - [Red dashed line]
- EXISTING NPS 10 WINDSOR PIPELINE - [Orange dashed line]
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - [Grey dashed line]
- EXISTING ENBRIDGE EASEMENT - [Black dashed line]
- PROPOSED ENBRIDGE EASEMENT - [Red solid line]
- TEMPORARY ENBRIDGE EASEMENT - [Blue solid line]
- MINIMUM DISTURBANCE ZONE - [Orange hatched area]
- EXISTING DRAIN/STREAM/WATERCOURSE - [Cyan dotted line]

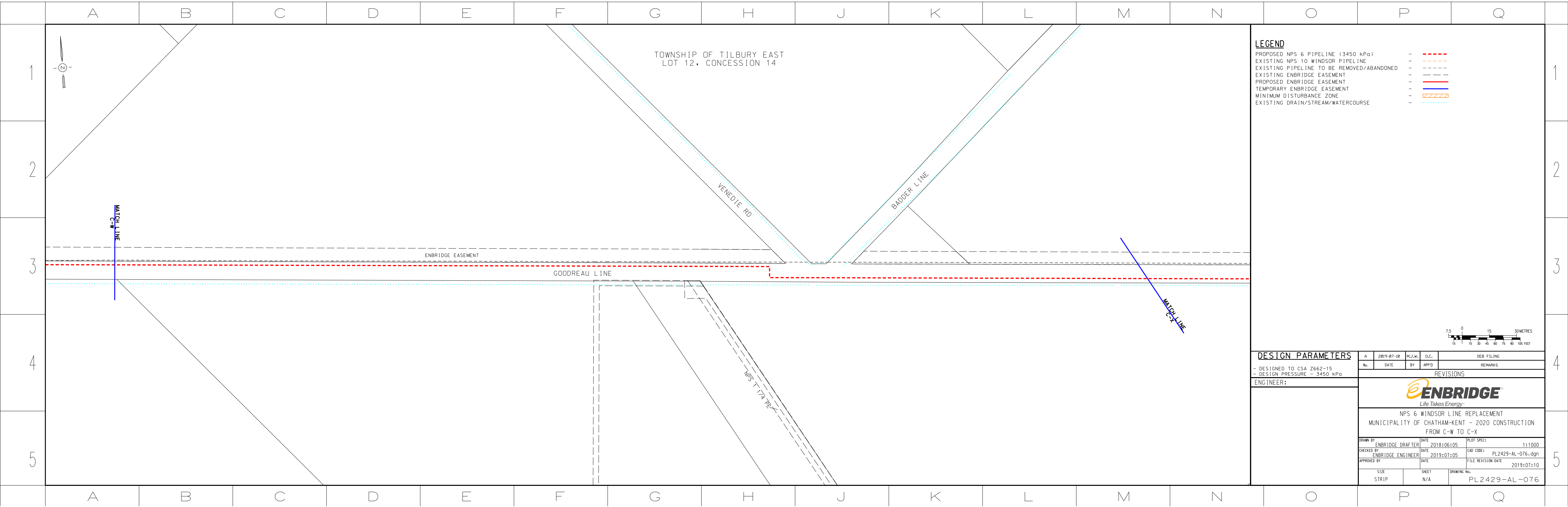


DESIGN PARAMETERS

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APP'D	REMARKS
REVISIONS				
 <i>Life Takes Energy®</i>				
NPS 6 WINDSOR LINE REPLACEMENT MUNICIPALITY OF CHATHAM-KENT - 2020 CONSTRUCTION FROM C-V TO C-W				
DRAWN BY ENBRIDGE DRAFTER		DATE 2018:06:05	PLOT SPEC: 1:1000	
CHECKED BY ENBRIDGE ENGINEER		DATE 2019:07:05	CAD CODE: PL2429-AL-075.dgn	
APPROVED BY		DATE	FILE REVISION DATE 2019:07:10	
SIZE STRIP		SHEET N/A	DRAWING No. PL2429-AL-075	



TOWNSHIP OF TILBURY EAST  
LOT 12, CONCESSION 14

VENEDIE RD

BADDER LINE

GOODREAU LINE

NPS 1 1/4 PE


**LEGEND**

- PROPOSED NPS 6 PIPELINE (3450 kPa) - - - - -
- EXISTING NPS 10 WINDSOR PIPELINE - - - - -
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - - - - -
- EXISTING ENBRIDGE EASEMENT - - - - -
- PROPOSED ENBRIDGE EASEMENT - - - - -
- TEMPORARY ENBRIDGE EASEMENT - - - - -
- MINIMUM DISTURBANCE ZONE - - - - -
- EXISTING DRAIN/STREAM/WATERCOURSE - - - - -

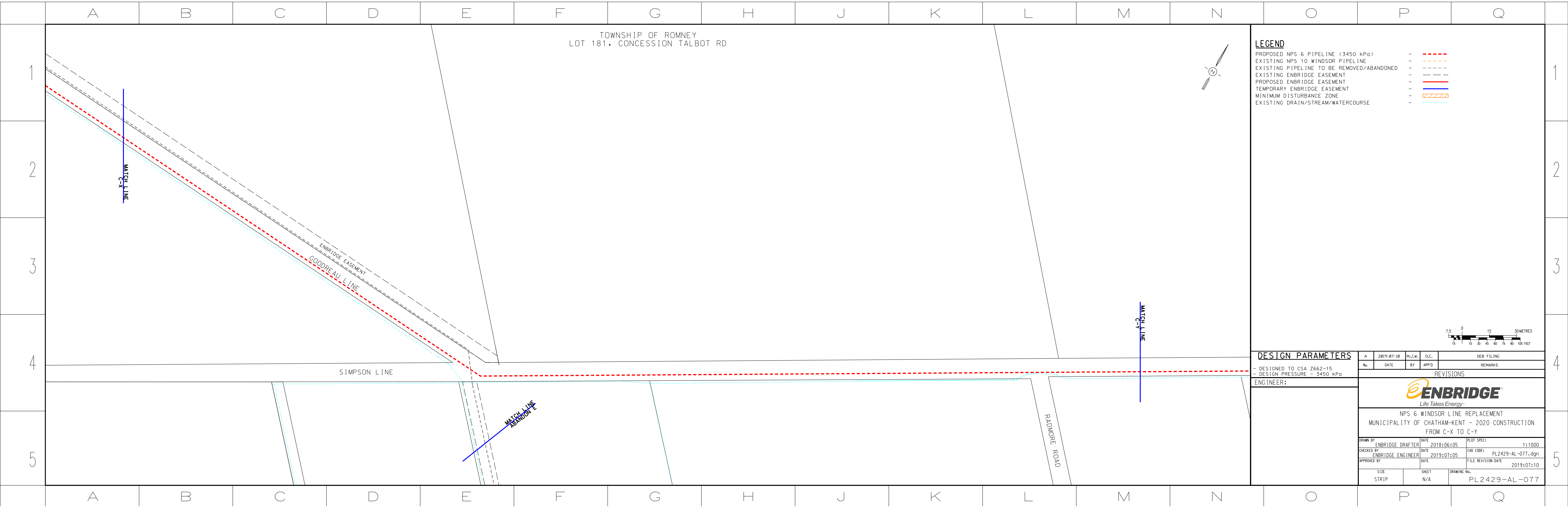
**DESIGN PARAMETERS**

- DESIGNED TO CSA Z662-15  
- DESIGN PRESSURE - 3450 kPa

ENGINEER:

A	2019-07-10	M.J.W.	O.C.	OEB FILING
No.	DATE	BY	APP'D	REMARKS
REVISIONS				
				
NPS 6 WINDSOR LINE REPLACEMENT MUNICIPALITY OF CHATHAM-KENT - 2020 CONSTRUCTION FROM C-W TO C-X				
DRAWN BY	ENBRIDGE DRAFTER	DATE	2018:06:05	PLOT SPEC: 1:1000
CHECKED BY	ENBRIDGE ENGINEER	DATE	2019:07:05	CAD CODE: PL2429-AL-076.dgn
APPROVED BY		DATE		FILE REVISION DATE 2019:07:10
SIZE STRIP	SHEET N/A	DRAWING No.	PL2429-AL-076	



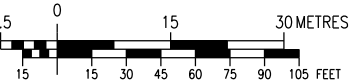


TOWNSHIP OF ROMNEY  
LOT 181, CONCESSION TALBOT RD



**LEGEND**

- PROPOSED NPS 6 PIPELINE (3450 kPa) - [Red dashed line]
- EXISTING NPS 10 WINDSOR PIPELINE - [Orange dashed line]
- EXISTING PIPELINE TO BE REMOVED/ABANDONED - [Grey dashed line]
- EXISTING ENBRIDGE EASEMENT - [Black dashed line]
- PROPOSED ENBRIDGE EASEMENT - [Red solid line]
- TEMPORARY ENBRIDGE EASEMENT - [Blue solid line]
- MINIMUM DISTURBANCE ZONE - [Orange hatched area]
- EXISTING DRAIN/STREAM/WATERCOURSE - [Cyan dotted line]

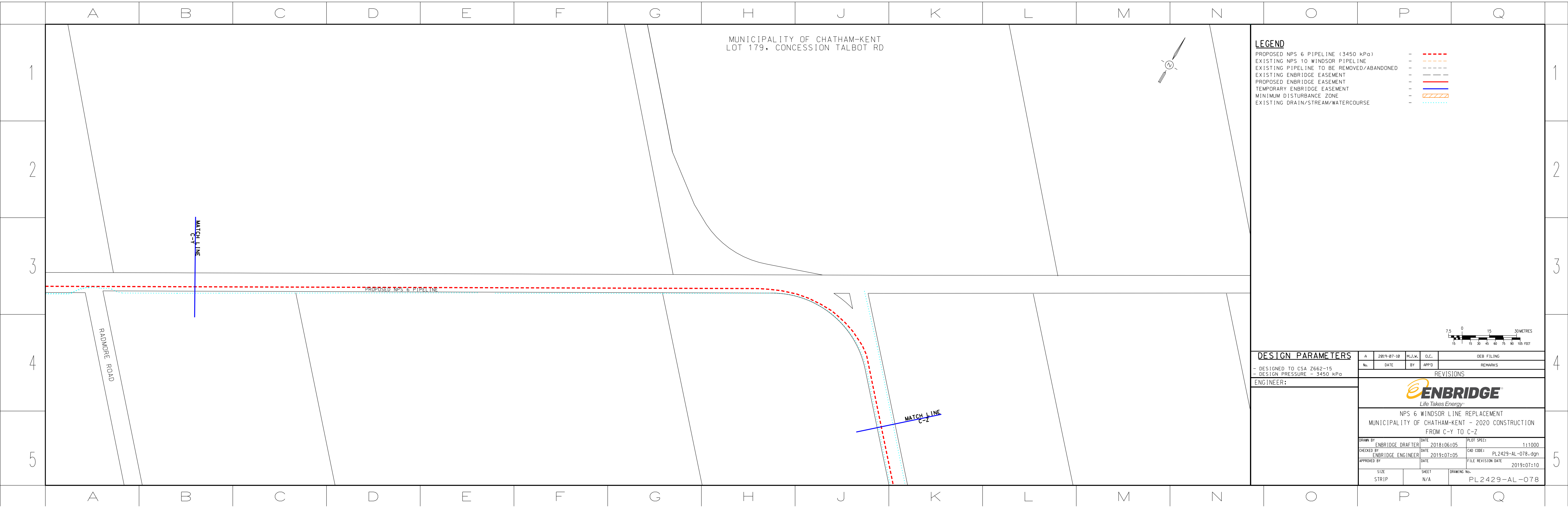


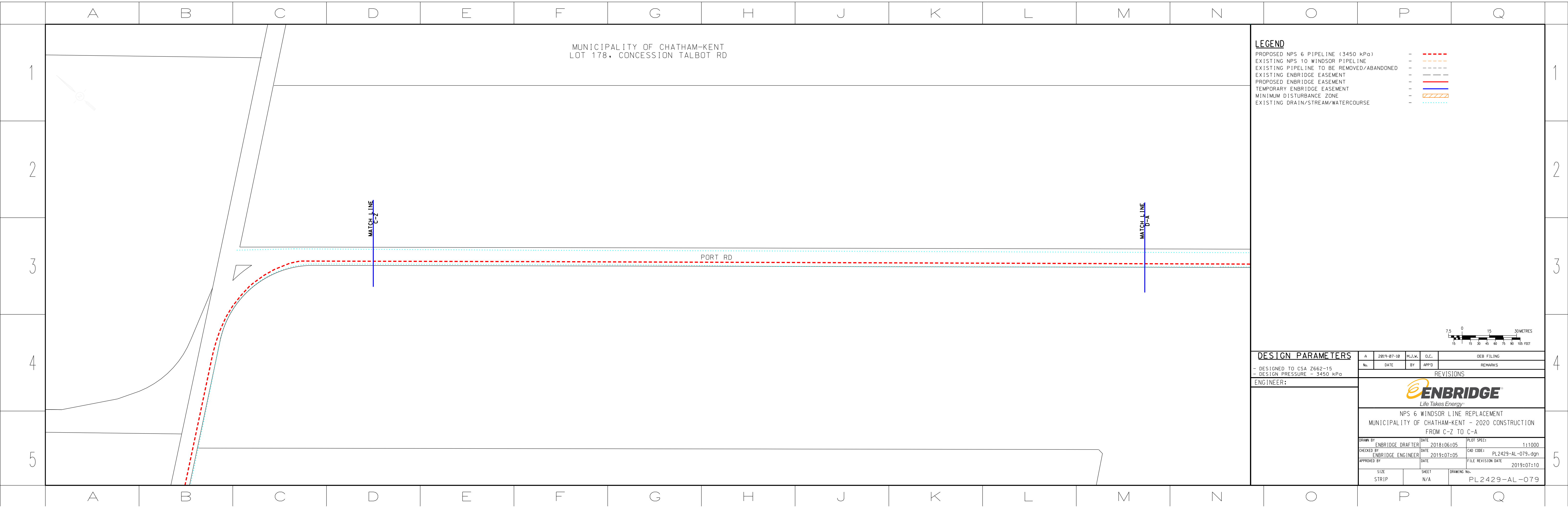
**DESIGN PARAMETERS**

- DESIGNED TO CSA Z662-15
- DESIGN PRESSURE - 3450 kPa

ENGINEER:


A	2019-07-10	M.J.W.	O.C.	OEB FILING	
	No.	DATE	BY	APPD	REMARKS
REVISIONS					
NPS 6 WINDSOR LINE REPLACEMENT MUNICIPALITY OF CHATHAM-KENT - 2020 CONSTRUCTION FROM C-X TO C-Y					
DRAWN BY	ENBRIDGE DRAFTER	DATE	2018:06:05	PLOT SPEC:	1:1000
CHECKED BY	ENBRIDGE ENGINEER	DATE	2019:07:05	CAD CODE:	PL2429-AL-077.dgn
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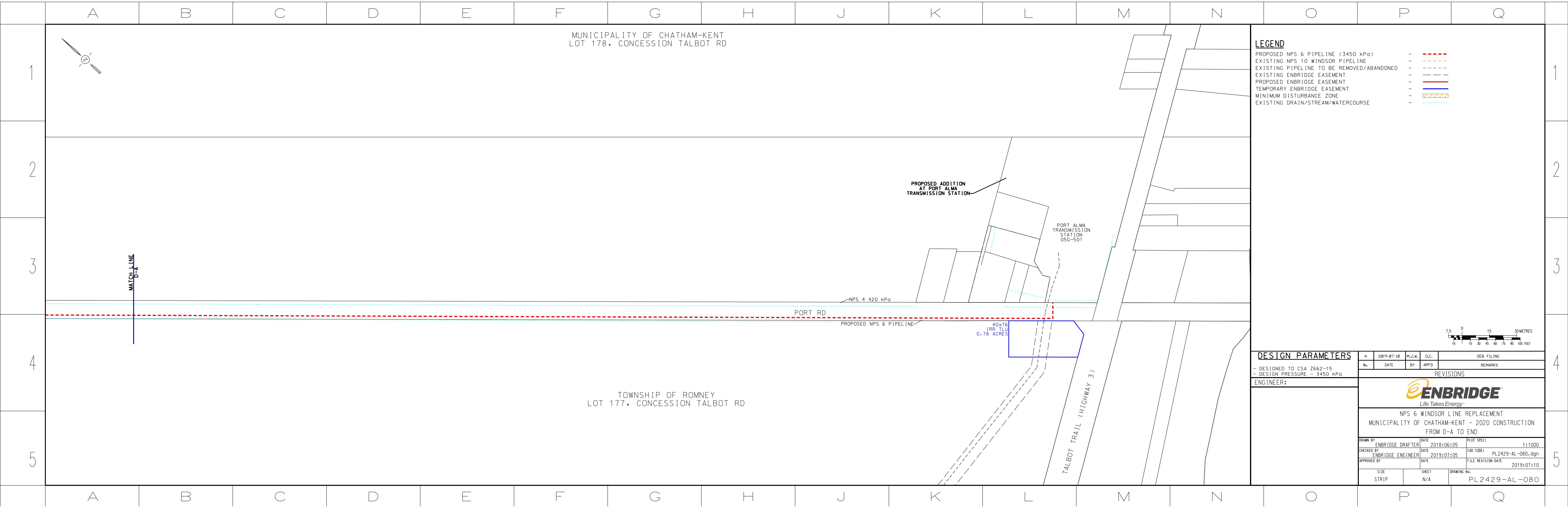




**LEGEND**

PROPOSED NPS 6 PIPELINE (3450 kPa)	-	---
EXISTING NPS 10 WINDSOR PIPELINE	-	---
EXISTING PIPELINE TO BE REMOVED/ABANDONED	-	---
EXISTING ENBRIDGE EASEMENT	-	---
PROPOSED ENBRIDGE EASEMENT	-	---
TEMPORARY ENBRIDGE EASEMENT	-	---
MINIMUM DISTURBANCE ZONE	-	---
EXISTING DRAIN/STREAM/WATERCOURSE	-	---

<b>DESIGN PARAMETERS</b> - DESIGNED TO CSA Z662-15 - DESIGN PRESSURE - 3450 kPa	A	2019-07-10	M.J.W.	O.C.	OEB FILING
	No.	DATE	BY	APP'D	REMARKS
<b>ENGINEER:</b>	<b>REVISIONS</b>				
					
	NPS 6 WINDSOR LINE REPLACEMENT MUNICIPALITY OF CHATHAM-KENT - 2020 CONSTRUCTION FROM C-Z TO C-A				
	DRAWN BY: ENBRIDGE DRAFTER		DATE: 2018:06:05	PLOT SPEC: 1:1000	
	CHECKED BY: ENBRIDGE ENGINEER		DATE: 2019:07:05	CAD CODE: PL2429-AL-079.dgn	
APPROVED BY:		DATE:	FILE REVISION DATE: 2019:07:10		
SIZE: STRIP	SHEET: N/A		DRAWING No.: PL2429-AL-079		



File #	PIN	NAME & ADDRESS	PROPERTY DESCRIPTION	FEE EASEMENT Dimensions (Metres) Area Length x Width Hectares	TEMPORARY EASEMENT Dimensions (Metres) Area Length x Width Hectares	MORTGAGE, LIEN/LEASE &/OR ENCUMBRANCES
CONCESSION ROAD 8						
W1	75236-0310		PT LT 11 CON 8 SANDWICH EAST PT 2 12R9105; TECUMSEH	30 x 40 0.11	67.5 x 56 0.25 37 x 6 0.02	Toronto Dominion Bank 1907 Oxford St. E., London, ON N5V 4L9
W2	75236-0272		PT LT 11 CON 8 SANDWICH EAST PT 4 RD154 EXCEPT R468574; TECUMSEH		40 x 10 0.04	
CONCESSION ROAD 9						
CONCESSION ROAD 10						
CONCESSION ROAD 11						
CONCESSION ROAD 12						
W3	75237-0115		PT LT 9 CON 12 SANDWICH EAST AS IN R142238; TECUMSEH	46 X 31 0.14	61 x 41 0.11	Royfarm Mortgage Centre 226 Main Street, Exeter, ON N0M 1S7
W4	75237-0119		PT LT 9 CON 12 SANDWICH EAST AS IN R379859; S/T R656446 AMENDED BY R1510405; TECUMSEH		61 x 31 0.19	Town of Lakeshore 410 Notre Dame, Belle River, ON N0R 1A0
MANNING ROAD						
W5	75014-0025		PT S1/2 LT 1 CON NMR MAIDSTONE AS IN R983393; LAKESHORE		55 x 20 0.11	
MIDDLE ROAD (OLD HWY 114)						
LAKESHORE ROAD 203						
W7	75013-0139		PART N1/2 LOT 9 CON SMR MAIDSTONE AS IN R199440 EXCEPT R468633, R562540, PT 1 12R14599, PT 2 12R24471; S/T R851108E TOWN OF LAKESHORE		20 x 10 0.025	Woodslee Credit Union 148 Talbot Street North, Essex, ON N8M 2C7  United Communities Credit Union Limited 154 Talbot Street North, Essex, ON N8M 2C7
W8	75013-0036		PT N1/2 LT 10 CON SMR MAIDSTONE AS IN R1108062 EXCEPT PT 1 12R17824; S/T MB13780, R187557; LAKESHORE		20 x 10 0.025	Town of Lakeshore 419 Notre Dame, Belle River, ON N0R 1A0  Canadian Imperial Bank of Commerce 100 Ouellette Ave., Windsor, ON N9A 6K5
NAYLOR SIDEROAD						
LAKESHORE ROAD 209						

W9	75025-0112		PT N 1/2 LT 16 CON SMR AS IN R341988 EXCEPT PT 7 PL 12R673 AND PT 1 12R22147; LAKESHORE		20	x	10	0.05	Woodslee Credit Union Limited 148 Talbot Street North, Essex, ON N8M 2C7			
W10	75025-0149		PART LOT 18, CONCESSION NORTH MIDDLE ROAD, MAIDSTONE DESIGNATED AS PART 3, PLAN 12R26391 TOWN OF LAKESHORE		20	x	10	0.02				
LAKESHORE ROAD 217												
W11	75024-0291		PT LT 21 CON NMR MAIDSTONE AS IN R883691; EXCEPT PART 1 ON 12R4994; SAVE AND EXCEPT PART 1 ON 12R21169; LAKESHORE.		20	x	20	0.04	Town of Lakeshore 419 Notre Dame, Belle River, ON N0R 1A0  United Communities Credit Union Ltd. 154 Talbot Street North, Essex, ON N8M 2C7			
W12	75024-0052		PT N1/2 LT 20-21 CON SMR MAIDSTONE AS IN R1466605; S/T MB19748, R656636E; LAKESHORE		20	x	20	0.04	Ontario Hydro 185 Clegg Road, Markham, ON L6G 1B7  National Bank of Canada 555 Notre Dame, Belle River, ON N0R 1A0			
MULLINS DRIVE												
ORIOLE PARK DRIVE												
BELLE RIVER ROAD (CNTY RD 27)												
W13	75023-0023		PT LT 20 CON 1 EBR ROCHESTER; PT N PT LT 2 CON NMR ROCHESTER; PT S PT LT 2 CON NMR ROCHESTER; PT RDAL BTN CON 1 EBR & CON NMR ROCHESTER PT 1, 2 12R11112; LAKESHORE	25	x	15	0.04	25	x	35	0.05	
MYERS ROAD												
W14	75023-0231		PT S1/2 LT 6 CON NMR ROCHESTER AS IN R1234780; S/T RESERVATIONS IN R1234780; S/T R1367756; LAKESHORE		10	x	10	0.01	Woodslee Credit Union 148 Talbot Street North, Essex, ON N8M 2C7  R1298291 Dundee Oil and Gas Limited 21st Floor, Dundee Place 1 Adelaide Street East Toronto, ON M5C 2V9			
LAKESHORE ROAD 231												
FRENCH LINE ROAD (CNTY RD 31)												
W15	75054-0096		PT S1/2 LT 11 CON NMR ROCHESTER PT 1 & 2 12R7213; S/T R1149259, R886936; LAKESHORE		10	x	10	0.01	Bell Canada 100 Dundas Street, London, ON N6A 5B6			

W16	75055-0062		PT LT 15 CON SMR ROCHESTER; PT N1/2 LT 16 CON SMR ROCHESTER; PT LT 17 CON SMR ROCHESTER AS IN R1344070 N OF 12R603; S/T & T/W R1344070; S/T R425001; LAKESHORE		30 x 20	0.06	Victor Wind Holding Corporation 480 Boulevard de la Cite Gatineau, Quebec J8T 8R3
W17	75055-0058		PT LT 15 CON SMR ROCHESTER; PT N1/2 LT 16 CON SMR ROCHESTER; PT S1/2 LT 16 CON SMR ROCHESTER; PT LT 17 CON SMR ROCHESTER AS IN R1344070 S OF 12R603; T/W & S/T R1344070; LAKESHORE SUBJECT TO AN EASEMENT IN GROSS OVER PTS 1 TO 6 PL 12R26623 AS IN R1553571 SUBJECT TO AN EASEMENT IN GROSS OVER PTS 1 TO 8 PL 12R27317 AS IN R1554141		110 x 78	0.8	Victor Wind Holding Corporation 480 Boulevard de la Cite Gatineau, Quebec J8T 8R3
W18	75055-0059		PT LT 17 CON SMR ROCHESTER AS IN R941432; LAKESHORE		20 x 20	0.04	Clearbeach Resources Inc. London, ON, N6J 1Y4  Royal Bank of Canada 10 York Mills Road, Toronto, ON, M2P 0A2
ROCHESTER TOWNLINE ROAD							
W19	75060-0064		PT S1/2 LT 1 CON SMR TILBURY; PT LT 2 CON SMR TILBURY AS IN TW16684, R235989 EXCEPT PT 1 12R17232 & PTS 1, 2, 3 12R12904 & PTS 8 TO 12 12R599; S/T R474150; LAKESHORE		40 x 20	0.07	Canadian Imperial Bank of Commerce 69 Erie Street South Leamington, ON N8H 3B2  Wind Lease
W20	75060-0057		PT LT 3 CON SMR TILBURY PT 3 12R8850; LAKESHORE		30 x 10	0.03	Dundee Oil and Gas Limited 21st Floor, Dundee Place 1 Adelaide Street East Toronto, ON M5C 2V9
from S MIDDLE ROAD TO LAKESHORE ROAD 309							
W21	75060-0098		LT 4-5 CON 8 TILBURY EXCEPT PTS 10, 11 12R19211; SUBJECT TO AN EASEMENT OVER PART 1 PL 12R25052 AS IN CE539174 TOWN OF LAKESHORE		IRR x IRR	0.04	
HIGHWAY 77							
W22	75059-0020		PT LT 7 CON 9 TILBURY AS IN R874636 EXCEPT PT 1, 12R13783, PT 1, 12R8743; S/T DEBTS IN R874636; LAKESHORE	IRR x 30	84.2 x 10	0.08	Miner, Ruth Elaine 6406 Main Street, PO Box 179, Comber, ON N0P 1J0





DONAIS LINE / STEVENSON ROAD										
GLENWOOD LINE										
VENEDIE ROAD / BADDIE LINE										
SIMPSON LINE										
W30	00852-0046		PT LT 178, CON TALBOT RD SURVEY, GEOGRAPHIC TOWNSHIP OF ROMNEY, LYING NW OF HWY #3 AS PARTLY DESCRIBED IN 462575 & 540652 EXCEPT 83814 & 95892 ; S/T RO11698 & 76280 ; S/T 109128, RO7264, RO9402, RO9486 ; CHATHAM-KENT		76	X	40	0.31	Onco Petroleum Inc. 782 Richmond Street, London, ON N6A 3H5  Kruger Energy Inc. 3285 Chemin Bedford, Montreal, Quebec H3S 1G5	
PORT ROAD										

## TEMPORARY LAND USE AGREEMENT

(hereinafter called the "Agreement")

Between

(hereinafter called the "Owner")

and

**ENBRIDGE GAS INC.**

(hereinafter called the "Company")

In consideration of the sum of \_\_\_\_\_00/100 Dollars (\$ ), payable by the Company to the Owner within thirty (30) days of signing of this Agreement in accordance with the Compensation labelled as **Appendix "C"** hereto.

the Owner of **PIN:**

### Legal Description:

\_\_\_\_\_ hereby grants to the Company, its servants, agents, employees, contractors and sub-contractors and those engaged in its and their business, the right on foot and/or with vehicles, supplies, machinery and equipment at any time and from time to time during the term of this Agreement to enter upon, use and occupy a parcel of land (hereinafter called the "Lands") more particularly described on the Sketch attached hereto labelled as Appendix "A" and forming part of this Agreement, the Lands being immediately adjacent to and abutting the ~~Choose an item.~~ for any purpose incidental to, or that the Company may require in conjunction with, the construction by or on behalf of the Company of a proposed ~~Choose an item.~~ and appurtenances on the Lands including, without limiting the generality of the foregoing, the right to make temporary openings in any fence (if applicable) along or across the Lands and to remove any other object therein or thereon interfering with the free and full enjoyment of the right hereby granted and further including the right of surveying and placing, storing, levelling and removing earth, dirt, fill, stone, debris of all kinds, pipe, supplies, equipment, vehicles and machinery and of movement of vehicles, machinery and equipment of all kinds.

1. This Agreement is granted upon the following understandings:

- a) The rights hereby granted terminate on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.
- b) The Company shall make to the person entitled thereto due compensation for any damages resulting from the exercise of the right hereby granted and if the compensation is not agreed upon it shall be determined in the manner prescribed by Section 100 of The Ontario Energy Board Act, R.S.O. 1998 S.O. 1998, c.15 Schedule B, as amended or any Act passed in amendment thereof or substitution there for;
- c) As soon as reasonably possible after the construction, the Company at its own expense will level the Lands, remove all debris therefrom and in all respects, restore the Lands to their former state so far as is reasonably possible, save and except for items in respect of which compensation is due under paragraph (b) and the Company will also restore any gates and fences interfered with around, (*if applicable*) the Lands as closely and as reasonably possible to the condition in which they existed immediately prior to such interference by the Company.
- d) It is further agreed that the Company shall assume all liability and obligations for any and all loss, damage or injury, (including death) to persons or property that would not have happened but for this Agreement or anything done or maintained by the Company hereunder or intended so to be and the Company shall at all times indemnify and save harmless the Owner from and against all such loss, damage or injury and all actions, suits, proceedings, costs, charges, damages, expenses, claims or demands arising therefrom or connected therewith provided that the Company shall not be liable under the Clause to the extent to which such loss, damage or injury is caused or contributed to by the gross negligence or wilful misconduct of the Owner.

The Company and the Owner agree to perform the covenants on its part herein contained.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

Signature (Owner)

Print Name(s) (and position held if applicable)

Address (Owner)

Signature (Owner)

Print Name(s) (and position held if applicable)

Address (Owner)

ENBRIDGE GAS INC.

Signature (Company)

Insert Namer, Choose an item.

Name & Title (Enbridge Gas Inc.)

I have authority to bind the Corporation.

519-436-4673

Telephone Number (Enbridge Gas Inc.)

Additional Information: (if applicable):

Property Address:

HST Registration Number:

INDIGENOUS CONSULTATION REPORT: SUMMARY TABLES

<b>Aamjiwnaang First Nation (“AFN”)</b> <b>Environment Coordinator</b> <b>519-336-8410</b>		
<b>Was project information provided to the community?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>On October 12, 2018 an Enbridge representative notified the Chief and the Environment Coordinator for AFN of the Project. The Project notification letter included a map and description of the Project. The Enbridge representative requested a response to set up a meeting to discuss the project. The AFN representative did not respond.</p> <p>On April 17, 2019, an Enbridge representative sent an email to Chief Plain and the Environment Coordinator for AFN following up on the October 12, 2018 notification. The Enbridge representative requested a meeting with AFN to discuss the Project. The AFN representative did not respond.</p> <p>On April 30, 2019 a representative from Stantec, an Enbridge consultant on the Project, emailed Chief Plain and the Environment Coordinator for AFN to advise them that that Stantec would be completing a Stage 2 archaeological assessment for the Project and invited an AFN representative to participate in the assessment. On May 1, 2019, a representative from Tri-Tribal Monitoring Services, responded to the Stantec representative advising that they would be attending on behalf of AFN.</p> <p>On May 1, 2019, the Stantec representative responded to the representative from Tri-Tribal Monitoring Services and provided them with a map of the general study area.</p> <p>On May 13, 2019 an Enbridge representative emailed AFN’s Environment Coordinator to request dates the Environmental Committee could meet to discuss the Project.</p> <p>On May 14, 2019, a telephone conversation occurred between Enbridge and AFN’s representatives to discuss dates for a meeting on the Project. The meeting date was set for June 4, 2018.</p>

	<p>On May 22, 2019, a representative of AFN's sent an email advising that the June 4th meeting had to be cancelled. The Enbridge representative provided alternative dates and times to present to AFN's Environment Committee. The date of June 18, 2019 was confirmed.</p> <p>On June 18, 2019, a meeting was held between Enbridge and AFN's Environmental Committee. The Enbridge representatives reviewed the presentation and Project map with AFN's Environment Committee. The Enbridge representatives also reviewed with AFN a large table map for ease of reference.</p> <p>The Enbridge representatives explained the purpose of the Project:</p> <ul style="list-style-type: none"><li>• the line was built in the 1940's and Enbridge is applying to the Ontario Energy Board to replace the line. The existing line is a combination of 8-10 inch lines that would be replaced with a 6' high pressure line.</li><li>• The planned construction date is 2020.</li></ul> <p>The Enbridge representatives explained Archaeology and Environmental surveys and the mitigation that was involved. The Enbridge representatives advised that as the Project is within the road allowance, minimal archaeology is required; however, they invited AFN monitors to attend.</p> <p>The Enbridge representatives explained the process of removing/replacing pipe and the steps that need to be taken to complete a pipe replacement.</p> <p>On June 26, 2019, an Enbridge representative emailed the AFN Environment Committee Coordinator thanking her for the opportunity to meet with AFN to discuss the Project. Provided an electronic copy of the presentation that was provided in the meeting.</p>
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<p><b>Was the community responsive/did you have direct contact with the community?</b></p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>AFN and Enbridge representatives had been in contact through email and telephone on numerous occasions. A meeting was held on June 18, 2019 to discuss the Project.</p>
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<b>Did the community members or representatives have any questions or concerns?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	On June 18, 2019, during the face to face meeting, AFN posed a number of questions which were answered by the Enbridge representatives at the meeting.	
		<b>AFN Question</b>	<b>Enbridge Response</b>
		The Committee asked how delays on the Project would affect the Project?	The Enbridge representatives advised that they are trying to meet the planned in-service dates.
		The Committee asked about watercourses and how they are handled.	The Enbridge representatives advised that they use the dam and pump process and explained how the process works.
		The parties discussed Species at Risk. The Committee expressed concern over the mussels in the area.	The Enbridge representatives explained their proposed mitigation measures to address this issue and species at risk.
		The Committee asked about the vegetation removal and whether Enbridge would put native species back post construction	The Enbridge representatives provided information as to how post construction clean-up was handled - any trees that had to be removed would be replaced.

<b>Does the community have any outstanding concerns?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<p>To date, there are no outstanding concerns from AFN.</p>
<b>Caldwell First Nation (“CFN”)  Director of Operations  519-322-1766</b>		
<b>Was project information provided to the community?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>On October 12, 2018 an Enbridge representative notified the Chief and the representative for CFN of the Project. The Project notification letter included a map and description of the Project. The Enbridge representative requested a response to set up a meeting to discuss the project. No response received.</p> <p>On October 23, 2018, a representative from CFN emailed a representative of Enbridge to advise that she had added the Project to the agenda for a meeting on October 29 that CFN was having with Enbridge regarding another project.</p> <p>On October 26, 2018, an Enbridge representative emailed a representative from CFN a copy of the presentation that would be used at the October 29 meeting. The Enbridge representative advised that the Project was still in the early stages,</p> <p>On October 29, 2018, An Enbridge representative met with four members of CFN’s Council. The Enbridge representative provided Council with details on the scope, purpose and reasons for the Project. The Enbridge representative invited CFN monitors to attend the Stage 2 archaeological assessment and advised that the Project was in the very early stages and they would continue to</p>



	<p>consult throughout the Project.</p> <p>On April 17, 2019, an Enbridge representative emailed a CFN representative to request a meeting to discuss the Project. The CFN representative responded that the first week of May 2019 would work.</p> <p>On April 30, 2019, a representative from Stantec, a consultant of Enbridge, emailed a representative from CFN to invite representatives to attend the Stage 2 archaeological assessment they would be completing for the Project.</p> <p>On April 30, 2019, a CFN representative responded advising that CFN would be interested in having monitors attend the archaeological assessment. She asked about the location and length of time of the work. The Stantec representative responded providing more details regarding the location of the work, as well as a map.</p> <p>On June 3, 2019, an Enbridge representative emailed a CFN representative to see whether she would be available to meet about the Project on June 12, 2019. The CFN representative did not respond.</p> <p>On June 14, 2019, a Stantec representative emailed a CFN representative to advise that the Stage 2 work would be commencing on June 20, 2019 and provided the meeting location for monitors. The Stantec representative advised that monitors should bring their Personal property equipment and check for ticks throughout the day and while at home.</p> <p>On June 20, an Enbridge representative received an email from a CFN representative advising that she would be available next week to discuss the Project. The Enbridge representative asking whether she would be available to meet on June 24. No response from the CFN representative.</p> <p>On June 21, 2019, a Stantec representative emailed a representative from CFN to thank them for attending the assessment on June 20. He advised that they would</p>
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	<p>continue the Stage 2 work the following week starting on the Tuesday (weather permitting).</p> <p>On June 24, 2019, an Enbridge representative emailed a CFN representative to follow up to arrange a meeting with her to discuss the Project. The Enbridge representative requested they meet on June 26, 2019 if available.</p> <p>On July 4, 2019, an Enbridge representative confirmed a meeting date with the CFN representative for July 8, 2019.</p> <p>On July 10, 2019, a meeting was held between Enbridge and representatives from CFN. The Enbridge representatives reviewed the presentation and Project map. The Enbridge representatives also reviewed with CFN a large table map for ease of reference.</p> <p>The Enbridge representatives explained the purpose of the Project:</p> <ul style="list-style-type: none"><li>• the line was built in the 1940's and Enbridge is applying to the Ontario Energy Board to replace the line. The existing line is a combination of 8-10 inch lines that would be replaced with a 6' high pressure line.</li><li>• The planned construction date is 2020.</li></ul> <p>The Enbridge representatives explained Archaeology and Environmental surveys and the mitigation that was involved. The Enbridge representatives advised that as the Project is within the road allowance, minimal archaeology is required; however, they invited CFN monitors to attend.</p> <p>The Enbridge representatives explained the process of removing/replacing pipe and the steps that need to be taken to complete a pipe replacement.</p>
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<b>Was the community responsive/did you have direct contact with the community?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>CFN and Enbridge representatives had been in contact through email and telephone on numerous occasions. A meeting was held on October 29, 2019 and July 10, 2019 to discuss the Project. Questions that arose during the meetings were addressed onsite.</p>											
<b>Did the community members or representatives have any questions or concerns?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>On July 10, 2019, during the face to face meeting, CFN posed a number of questions which were answered by the Enbridge representative at the meeting.</p> <table border="1"> <thead> <tr> <th data-bbox="576 917 992 978">CFN Question</th> <th data-bbox="992 917 1404 978">Enbridge Response</th> </tr> </thead> <tbody> <tr> <td data-bbox="576 978 992 1276">The CFN representative asked why Enbridge was replacing the existing lines with a smaller diameter pipe.</td> <td data-bbox="992 978 1404 1276">The Enbridge representative explained that a smaller pipe could be used at a higher pressure to maintain the same volume of gas flowing.</td> </tr> <tr> <td data-bbox="576 1276 992 1608">The CFN representative also asked why Enbridge was removing some sections of pipe and leaving others</td> <td data-bbox="992 1276 1404 1608">The Enbridge representative explained that different sections of the pipeline had been replaced over the years. Accordingly, Enbridge only needs to replace the sections that are outstanding.</td> </tr> <tr> <td data-bbox="576 1608 992 1829">The CFN representative asked about natural heritage and archaeological studies.</td> <td data-bbox="992 1608 1404 1829">The Enbridge representative advised that these studies would be provided to them once complete.</td> </tr> <tr> <td data-bbox="576 1829 992 1904">The CFN representative asked about the permits</td> <td data-bbox="992 1829 1404 1904">The Enbridge</td> </tr> </tbody> </table>		CFN Question	Enbridge Response	The CFN representative asked why Enbridge was replacing the existing lines with a smaller diameter pipe.	The Enbridge representative explained that a smaller pipe could be used at a higher pressure to maintain the same volume of gas flowing.	The CFN representative also asked why Enbridge was removing some sections of pipe and leaving others	The Enbridge representative explained that different sections of the pipeline had been replaced over the years. Accordingly, Enbridge only needs to replace the sections that are outstanding.	The CFN representative asked about natural heritage and archaeological studies.	The Enbridge representative advised that these studies would be provided to them once complete.	The CFN representative asked about the permits	The Enbridge
CFN Question	Enbridge Response												
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The CFN representative asked about the permits	The Enbridge												

		that would be required for the Project.	representative advised that they will obtain all necessary permits, specifically the permit to take water.
		The CFN representatives asked about the Tree removal and whether Enbridge would be putting back native species post-construction.	The Enbridge representatives advised that they would replace any trees that would have to be removed during construction. They also provided CFN with information as to how post construction clean-up would be handled.
		<p>The CFN representative advised that she appreciated receiving an early notification about the Project and that Enbridge was willing and able to keep the community informed about the Project.</p> <p>The CFN representative asked whether the Enbridge representative could present to Chief and Council about the Project and advised that she would make arrangements.</p>	The Enbridge representative was agreeable to this.

<b>Does the community have any outstanding concerns?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	To date CFN does not have any outstanding concerns.
<b>Chippewas of Kettle and Stony Point First Nation ("CKSPFN")</b> <b>Consultation Coordinator</b> <b>519-786-2125</b>		
<b>Was project information provided to the community?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>On October 12, 2018 an Enbridge representative notified the Chief and the representative for CKSPFN of the Project. The Project notification letter included a map and description of the Project. The Enbridge representative requested a response to set up a meeting to discuss the project.</p> <p>On October 12, 2019, the representative from CKSPFN emailed the Enbridge representative thanking him for the Project notification and provided new contact information for the Band Manager at CKSPFN.</p> <p>On November 1, 2019, a CKSPFN representative emailed an Enbridge representative requesting a meeting on the Project. The CKSPFN representative provided some available meeting dates and advised the Enbridge representative that Capacity Funding is now a requirement. The Enbridge representative responded on the same date indicating he could meet on November 13, 2018. The meeting date was confirmed for November 13.</p> <p>On November 13, 2019, an CKSPFN representative emailed the Enbridge representative advising that the CKSPFN consultation committee members had been selected so she would need to cancel the meeting scheduled for the same day, so they could be in</p>

	<p>attendance.</p> <p>On April 17, 2019, an Enbridge representative emailed Chief Henry and other representatives from CKSPFN to follow up on the October 12, 2018 notification email. The Enbridge representative requested a meeting to discuss the Project. The parties exchanged emails containing possible meeting dates.</p> <p>On April 30, 2019, a representative from Stantec emailed Chief Henry and other representatives from CKSPFN to advise them that Stantec would be completing a Stage 2 archaeological assessment for the Project and inquired as to whether they would like to have a representative attend the assessment.</p> <p>On April 30, 2019, a representative from CKSPFN responded advising she would reach out to Stantec regarding funds and an agreement. The representative also asked about the location being assessed. The representative from Stantec responded on the same day and provided a map with more detailed information on the assessed area.</p> <p>On May 13, 2019, an Enbridge representative emailed a representative from CKSPFN requesting dates for a meeting to discuss the Project. The parties exchanged emails and confirmed a meeting on May 30, 2019.</p> <p>On May 28, 2019, a CKSPFN representative emailed the Enbridge representative advising that she would have to postpone the meeting set for May 30, 2019.</p> <p>On June 6, 2019, an Enbridge representative emailed a CKSPFN representative asking whether they could meet on another day. The CKSPFN representative did not respond.</p> <p>On June 13, 2019, an Enbridge representative spoke to a CKSPFN representative following a meeting on a different project. The CKSPFN representative advised the Enbridge representative that CKSPFN was having difficulty getting the committee together and that she</p>
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	<p>would notify the Enbridge representative once the Committee had been finalized. The CKSPFN representative also advised the Enbridge representative that she was working on getting a monitor to attend the Stage 2 archaeological assessment</p> <p>On June 14, 2018, a Stantec representative emailed a representative from CKSPFN to advise that the Stage 2 archaeological assessment would be commencing on June 20 and provided the meeting location for monitors. The Stantec representative advised the monitors should bring their personal property equipment and check for ticks throughout the day and at home.</p> <p>On June 21, 2019, a Stantec representative emailed a representative from CKSPFN to thank them for attending the assessment on June 20. He advised that they would continue the Stage 2 work the following week starting on the Tuesday (weather permitting).</p> <p>On June 24, 2019, an Enbridge representative emailed the CKSPFN representative asking if there are other dates they would be available to meet to discuss the Project.</p> <p>On July 9, 2019 an Enbridge representative emailed the CKSPFN representative again asking if they could meet to discuss the Project. The Enbridge representative also thanked the CKSPFN representative for having a monitor participate on the Stage 2 archaeological assessment.</p> <p>On July 9, 2019, an Enbridge representative received an email from a CKSPFN representative advising that a monitor would not be available for the Project and that there would be costs to meet with the committee. The CKSPFN representative did not provide the Enbridge representative with dates they would be able to meet.</p> <p>On July 11, 2019, the CKSPFN representative emailed the Enbridge representative providing two possible meeting dates in late July to meet to discuss the Project. She did, however, advise that the meeting may be postponed to August given more availability.</p>
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		<p>On July 13, 2019, the Enbridge representative responded and provided the CKSPFN representative with a copy of the Project presentation made from the display board used at the public information sessions. He also asked whether they could meet some time during the week of August 12.</p> <p>On August 1, 2019, the meeting was confirmed for August 12, 2019.</p>
<b>Was the community responsive/did you have direct contact with the community?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>The Enbridge representative and CKSPFN representative have had numerous email correspondence. A face to face meeting is set for August 12, 2019.</p>
<b>Did the community members or representatives have any questions or concerns?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Does the community have any outstanding concerns?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<p>To date CKSPFN does not have any outstanding concerns.</p>
<p><b>Chippewas of the Thames First Nation ("COTTFN")</b>  <b>Consultation Coordinator</b>  <b>519-289-5555</b></p>		



<p><b>Was project information provided to the community?</b></p>	<p><input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No</p>	<p>On October 12, 2018, an Enbridge representative emailed Chief Henry and representatives from COTTfN notifying them about the Project. The notification letter included a description of the Project and a map. Chief Henry responded to the Enbridge representative on the same day asking for a meeting in the next few weeks.</p> <p>On October 15, 2018, the Enbridge representative responded to Chief Henry advising he would call to set up a meeting time.</p> <p>On February 20, 2019, the COTTfN Consultation Coordinator emailed an Enbridge representative regarding the upcoming information sessions and provided a letter advising that no one from the community would be able to attend, however, they would like to be kept apprised of the Project.</p> <p>On April 30, 2019, a representative from Stantec sent an email to Chief Henry and other representatives from COTTfN advising that Stantec would be completing a Stage 2 archaeological assessment for the Project and asked whether representatives from COTTfN would like to participate.</p> <p>On May 9, 2019, an Enbridge representative emailed a representative from COTTfN asking to set up a time to meet to discuss the Project. The parties exchanged emails and confirmed a meeting date for June 17, 2019.</p> <p>On June 14, 2019, a Stantec representative emailed representatives from COTTfN advising that the Stage 2 archaeological assessment would be commencing on June 20 and provided the meeting location for monitors. The Stantec representative advised the monitors should bring their Personal property equipment and check for ticks throughout the day and at home.</p> <p>On June 17, 2019, a meeting was held between Enbridge and COTTfN's Enviromental Committee. The Enbridge representatives reviewed the presentation and Project map with COTTfN's Environment Committee. The</p>
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		<p>Enbridge representatives also reviewed with COTTFN a large table map for ease of reference.</p> <p>The Enbridge representatives explained the purpose of the Project:</p> <ul style="list-style-type: none"> <li>the line was built in the 1940's and Enbridge is applying to the Ontario Energy Board to replace the line. The existing line is a combination of 8-10 inch lines that would be replaced with a 6' high pressure line.</li> <li>The planned construction date is 2020.</li> </ul> <p>The Enbridge representatives explained Archaeology and Environmental surveys and the mitigation that was involved. The Enbridge representatives advised that as the Project is within the road allowance, minimal archaeology is required; however, they invited COTTFN monitors to attend.</p> <p>The Enbridge representatives explained the process of removing/replacing pipe and the steps that need to be taken to complete a pipe replacement.</p> <p>On June 21, 2019, the Stantec representative emailed the COTTFN representative thanking them for attending the archaeological assessment on June 20. He advised that they would continue the Stage 2 work the following week starting on the Tuesday (weather permitting).</p>
<b>Was the community responsive/did you have direct contact with the community?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>Enbridge and COTTFN had multiple exchanges regarding the Project. A face to face meeting was held between Enbridge and COTTFN's Environmental Committee on June 17, 2019.</p>
<b>Did the</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>On June 17, 2019, during the face to face meeting, COTTFN posed a number of questions which were answered by the Enbridge representatives at the meeting.</p>

community members or representatives have any questions or concerns?		COTTFN Question	Enbridge Response
		The Committee asked what was happening with the existing (i.e. old) line.	The Enbridge representatives explained that parts of the line would be removed but some sections would remain as they were under roads and creeks. The Enbridge representatives explained the process of capping and filling the pipes to mitigate impacts and damage to the environment.
		The Committee asked about watercourses and how they are handled.	The Enbridge representatives advised that they use the dam and pump process and explained how the process works.
		The Committee asked about Species at Risk – Fox Snake and about washing off the machines so there would be no spreading of micro-organisms.	The Enbridge representatives explained their proposed mitigation measures to address the Fox Snake and species at risk. The Enbridge representative confirmed that they would conduct soil testing and apply appropriate mitigation.
		The COTTFN representatives asked about the breeding season for fish and birds.	The Enbridge representatives explained that construction of the Project is planned so as to avoid or not disrupt breeding practices.
		The Committee also asked about Invasive species	The Enbridge representatives explained the cleaning process for

			the vehicles to avoid the spread of invasive species
		The Committee asked for a 3-1 tree replacement – calling it an environmental replacement	The Enbridge representative explained that they would support this but would confirm.
		The parties also discussed the permit to take water, which is required for the Project.	The Enbridge representative advised that they obtain all necessary permits and abide by all ministry requirements.
<b>Does the community have any outstanding concerns?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	To date COTTEN does not have any outstanding concerns.	
<b>Oneida Nation of the Thames (“Oneida Nation”)</b> <b>Environment and Consultation Coordinator</b> <b>(519)-652-6922</b>			
<b>Was project information provided to the community?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>On October 12, 2019, An Enbridge representative emailed Chief Hill and another representative from OFN notifying them about the Project. The notification letter included a description and map of the Project.</p> <p>On April 17, 2019, the Enbridge representative emailed Chief Hill and the Oneida Environmental Committee to follow up on the earlier Project notification email of October 12, 2018 and requested a meeting to discuss the Project. The OFN Environmental Coordinator responded with three possible dates for Enbridge to meet with Chief and Council.</p> <p>On April 24, 2019, the Enbridge representative emailed the OFN Environmental Coordinator requesting a meeting on May 6. He advised that he would be in attendance at</p>	

		<p>the meeting along with Enbridge's Environmental Planner. The meeting was confirmed for May 6, 2019.</p> <p>On April 30, 2019, a representative from Stantec emailed representatives from OFN to notify them that Stantec would be completing a Stage 2 archaeological assessment for the Project and asked whether they would like to participate in the assessment. An OFN representative responded to the Stantec representative's email advising they would be interested in sending a monitor.</p> <p>On May 6, 2019, a meeting was held between Enbridge and OFN's Environmental Committee. The Enbridge representatives reviewed the presentation and Project map with OFN's Environment Committee. The Enbridge representatives also reviewed with OFN a large table map for ease of reference.</p> <p>The Enbridge representatives explained the purpose of the Project:</p> <ul style="list-style-type: none"> <li>the line was built in the 1940's and Enbridge is applying to the Ontario Energy Board to replace the line. The existing line is a combination of 8-10 inch lines that would be replaced with a 6' high pressure line.</li> <li>The planned construction date is 2020.</li> </ul> <p>The Enbridge representatives explained Archaeology and Environmental surveys and the mitigation that was involved. The Enbridge representatives advised that as the Project is within the road allowance, minimal archaeology is required; however, they invited OFN monitors to attend the Stage 2 archaeological assessment.</p> <p>The Enbridge representatives explained the process of removing/replacing pipe and the steps that need to be taken to complete a pipe replacement.</p>
Was the	<input checked="" type="checkbox"/> Yes	

The Enbridge representatives responded advising that the Enbridge Tree Program was to

			replace every tree removed with two native species trees.
		A representative of OFN asked about what would happen in the case of a leak.	The Enbridge representative discussed the Emergency procedures and provided information regarding what to do in an emergency situation.
		The OFN representatives asked about the filtration process and permits for taking water.	The Enbridge representatives advised that permits for taking water will be obtained if necessary and we would follow ministry protocols.
<b>Does the community have any outstanding concerns?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	To date OFN does not have any outstanding concerns.	

**Walpole Island First Nation (“WIFN”)  
Consultation Coordinator  
519-627-1389**

**Was project  
information  
provided to the  
community?**

☒ Yes  
☐ No

On October 12, 2018, an Enbridge representative emailed the Chief and representatives from WIFN notifying them about the Project. The Project notification letter included a map and description of the Project. The Enbridge representative requested a response to set up a meeting to discuss the project. The WIFN representative did not respond.

On April 17, 2019, an Enbridge representative sent an email to the Chief and representative for WIFN following up on the October 12, 2018 notification. The Enbridge representative requested a meeting with WIFN to discuss the Project. The WIFN representative did not respond.

On April 30, 2019 a representative from Stantec, an Enbridge consultant on the Project, emailed the Chief and representative for WIFN to advise them that that Stantec would be completing a Stage 2 archaeological assessment for the Project and invited an AFN representative to participate in the assessment. The WIFN representative did not respond.

On May 2, 2019, an A Enbridge representative emailed representatives from WIFN to request a meeting to discuss the Project. The WIFN representative did not respond.

On May 17, 2019, an Enbridge representative emailed a representative from WIFN to thank her for visiting Chatham. Further to their conversation during the visit, the Enbridge representative provided a number of dates that he would be available to meet with WIFN about the Project.

On May 22, 2019, an Enbridge representative emailed a WIFN representative to follow up on his email of May 17.



		<p>The Enbridge representative advised the WIFN representative that he would be pleased to present to WIFN about the Project on June 10, since another Enbridge representative would be meeting with WIFN with respect to another project. On May 22, 2019, the representative from WIFN confirmed that June 10 would work to meet with WIFN about the Project.</p> <p>On June 10, 2019 The Enbridge representatives met with WIFN representatives to discuss the project. The Enbridge representatives reviewed the presentation and Project map with representatives from WIFN.</p> <p>The Enbridge representatives explained the purpose of the Project:</p> <ul style="list-style-type: none"> <li>the line was built in the 1940's and Enbridge is applying to the Ontario Energy Board to replace the line. The existing line is a combination of 8-10 inch lines that would be replaced with a 6' high pressure line.</li> <li>The planned construction date is 2020.</li> </ul> <p>The Enbridge representatives explained the process of removing/replacing pipe and the steps that need to be taken to complete a pipe replacement. They also provided WIFN with their own copy of the table map they had reviewed during the meeting.</p> <p>On June 10, 2019, A WIFN representative emailed providing a date to present to Chief and Council on the Project. This date was confirmed as July 9, 2019, however, changed to August 13, 2019.</p>
<b>Was the community responsive/did you have direct contact with</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>Enbridge and WIFN had multiple exchanges regarding the Project. A face to face meeting was held between Enbridge and WIFN on June 10, 2019 to discuss the Project.</p>

<b>the community?</b>		A meeting with Chief and Council is set for August 13, 2019 to provide details on the Project.											
<b>Did the community members or representatives have any questions or concerns?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>On June 10, 2019, during the face to face meeting, WIFN posed a number of questions which were answered by the Enbridge Environmental Planner at the meeting. To date, the WIFN representative did not reply with additional questions.</p> <table border="1"> <thead> <tr> <th data-bbox="573 751 992 814">WIFN Question</th> <th data-bbox="992 751 1406 814">Enbridge Response</th> </tr> </thead> <tbody> <tr> <td data-bbox="573 814 992 1073"> The WIFN representatives asked the Enbridge representatives about watercourses and how they are handled. </td> <td data-bbox="992 814 1406 1073"> The Enbridge representatives advised that they use the dam and pump process and explained the process to WIFN. </td> </tr> <tr> <td data-bbox="573 1073 992 1262"> The parties discussed Species at Risk. The Committee expressed concern over the mussels in the area. </td> <td data-bbox="992 1073 1406 1262"> The Enbridge representatives explained their proposed mitigation measures to address this issue and species at risk. </td> </tr> <tr> <td data-bbox="573 1262 992 1598"> The WIFN representatives also asked about Fox Snake fencing and wanted to ensure the proper fence would be used, since Fox Snakes can climb higher than typical garter snakes. </td> <td data-bbox="992 1262 1406 1598"> The Enbridge representatives explained their proposed mitigation measures, advising that the proper fences are used to ensure that the Fox Snake is unable to climb over. </td> </tr> <tr> <td data-bbox="573 1598 992 1873"> The WIFN representatives asked about the vegetation removal and whether Enbridge would be putting back native species post-construction. </td> <td data-bbox="992 1598 1406 1873"> The Enbridge representatives advised that they would replace any trees that would have to be removed during construction. They also provided WIFN with </td> </tr> </tbody> </table>		WIFN Question	Enbridge Response	The WIFN representatives asked the Enbridge representatives about watercourses and how they are handled.	The Enbridge representatives advised that they use the dam and pump process and explained the process to WIFN.	The parties discussed Species at Risk. The Committee expressed concern over the mussels in the area.	The Enbridge representatives explained their proposed mitigation measures to address this issue and species at risk.	The WIFN representatives also asked about Fox Snake fencing and wanted to ensure the proper fence would be used, since Fox Snakes can climb higher than typical garter snakes.	The Enbridge representatives explained their proposed mitigation measures, advising that the proper fences are used to ensure that the Fox Snake is unable to climb over.	The WIFN representatives asked about the vegetation removal and whether Enbridge would be putting back native species post-construction.	The Enbridge representatives advised that they would replace any trees that would have to be removed during construction. They also provided WIFN with
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			information as to how post construction clean-up would be handled.
		The WIFN representatives asked whether the Enbridge representatives could present to Chief and Council about the Project.	The parties agreed to set up a date with Chief and Council in July or August 2019.
<b>Does the community have any outstanding concerns?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	To date, there are no outstanding concerns from WIFN.	

# INDIGENOUS CONSULTATION REPORT: LOG AND PROJECT CORRESPONDENCE

As of August 6, 2019.

Aamjiwnaang First Nation ("AFN")					
Line Item	Date of Engagement	Method of Engagement	Summary of Engagement Activity	Response from Community/Outstanding Issues	Attachment
1.1	October 12, 2018	Email	An Enbridge representative notified Chief Plain and the Environment Coordinator for AFN of the Project. The Project notification letter included a map and description of the Project.	No response received from AFN representative	Schedule A Attachment 1.1
1.2	April 17, 2019	Email	An Enbridge representative sent an email to Chief Plain and the Environment Coordinator for AFN following up on the October 12, 2018 notification. The Enbridge representative requested a meeting with AFN to discuss the Project.	No response received from AFN representative	Attachment 1.2
1.3	April 30, 2019	Email	A representative from Stantec, an Enbridge consultant on the Project, emailed Chief Plain and the Environment Coordinator for AFN to advise them that that Stantec would be completing a Stage 2 archaeological assessment for the Project and invited an AFN representative to participate in the assessment.	On April 30, 2019, a representative from Tri-Tribal Monitoring Services, responded to the Stantec representative advising that they would be attending on behalf of AFN.  On May 1, 2019, the Stantec representative responded to the representative from Tri-Tribal Monitoring Services and provided them with a map of the general study area.	Attachment 1.3
1.4	May 13, 2019	Email	An Enbridge representative emailed AFN's Environment Coordinator to request dates the Environmental Committee could meet to discuss the Project.	No response received from AFN representative	Attachment 1.4
	May 14, 2019	Telephone call	An Enbridge representative called AFN's Environment Coordinator to request dates the Environmental Committee could meet to discuss the Project.	The meeting was set for June 4.	
1.5	May 22, 2019	Email	Email from a representative of AFN's representative advising that the June 4 <sup>th</sup> meeting had to be cancelled. The Enbridge representative provided alternative dates and times to present to AFN's Environment Committee.	On May 23, 2019, the Enbridge representative responded to the AFN representative indicating they were available to meet on June 18 <sup>th</sup> . This date was confirmed with the the AFN representative on the same	Attachment 1.5

1.6	June 14, 2019	Email	<p>A representative from Stantec emailed an AFN representative advising that Stage 2 archaeological work would be commencing on June 20 and provided the meeting location for monitors. The Stantec representative advised that the AFN monitor should bring their Personal Property Equipment and check for ticks throughout the day and at home.</p> <p>An Enbridge representative provided an AFN representative with a copy of the presentations that would be presented at the meeting on June 18, 2019.</p> <p>The Enbridge representatives reviewed the presentation and Project map with AFN's Environment Committee. The Enbridge representatives also reviewed with AFN a large table map for ease of reference.</p> <p>The Enbridge representatives explained the purpose of the Project:</p> <ul style="list-style-type: none"> <li>the line was built in the 1940's and Enbridge is applying to the Ontario Energy Board to replace the line. The existing line is a combination of 8-10 inch lines that would be replaced with a 6' high pressure line.</li> <li>The planned construction date is 2020.</li> </ul> <p>The Enbridge representatives explained Archaeology and Environmental surveys and the mitigation that was involved. The Enbridge representatives advised that as the Project is within the road allowance, minimal archaeology is required; however, they invited AFN monitors to attend.</p> <p>The Enbridge representatives explained the process of removing/replacing pipe and the steps that need to be taken to complete a pipe replacement.</p>	<p>day.</p> <p>No response received from AFN representative</p>	Attachment 1.6
1.7	June 14, 2019	Email			Attachment 1.7
	June 18, 2019	Meeting between Enbridge and AFN's Environment Committee	<p>The Enbridge representatives explained the purpose of the Project:</p> <ul style="list-style-type: none"> <li>the line was built in the 1940's and Enbridge is applying to the Ontario Energy Board to replace the line. The existing line is a combination of 8-10 inch lines that would be replaced with a 6' high pressure line.</li> <li>The planned construction date is 2020.</li> </ul> <p>The Enbridge representatives explained Archaeology and Environmental surveys and the mitigation that was involved. The Enbridge representatives advised that as the Project is within the road allowance, minimal archaeology is required; however, they invited AFN monitors to attend.</p> <p>The Enbridge representatives explained the process of removing/replacing pipe and the steps that need to be taken to complete a pipe replacement.</p>	<p>The Enbridge representatives responded to questions from the Environment Committee, which included questions around consultation. The Enbridge representatives explained Enbridge's consultation process.</p> <p>The Committee asked how delays on the Project would affect the Project?</p> <p>The Enbridge representatives advised that they are trying to meet the planned in-service dates.</p> <p>The Committee asked about watercourses and how they are handled. The Enbridge representatives advised that they use the dam and pump process and explained how the process works.</p> <p>The parties discussed Species at Risk. The Committee expressed concern over the mussels in the area. Enbridge explained their proposed mitigation measures to address this issue and species at risk. More details on mitigation measures can be found in the Environmental Assessment report.</p> <p>The Committee asked about the vegetation removal and whether</p>	<p>Schedule A</p> <p>Schedule D</p>

					Enbridge would put native species back post construction. The Enbridge representatives provided information as to how post construction clean-up was handled - any trees that had to be removed would be replaced.  The Committee requested that Enbridge provide them with a copy of the digital map of the Project. This map is part of the presentation which would be emailed at a later date.	Attachment 1.8
1.8	June 21, 2019	Email		A Stantec representative thanked representatives from AFN for attending the Stage 2 archaeological assessment on June 20 and advised that they would continue the Stage 2 work the following week starting on the Tuesday (weather permitting).		
1.9	June 26, 2019	Email		An Enbridge representative emailed the AFN Environment Committee Coordinator thanking her for the opportunity to meet with AFN to discuss the Project. Provided an electronic copy of the presentation that was provided in the meeting.		Attachment 1.9
1.10	July 9, 2019	Email		An Enbridge representative received an email from an AFN representative requesting the formal correspondence that had been sent to AFN regarding the Project.	On August 6, 2019, an Enbridge representative emailed the formal letter and digital map.	Attachment 1.10
Caldwell First Nation ("CFN")						
Line Item	Date of Engagement	Method of Engagement	Summary of Engagement Activity		Response from Community/Outstanding Issues	Attachment
2.1	October 12, 2018	Email	An Enbridge representative emailed the Chief and a representative from CFN to notify the community about the Project. The notification letter provided a description of the Project including a map.		A representative from CFN responded on October 23, 2018.	Schedule A Attachment 2.1
2.2	October 23, 2018	Email	A representative from CFN emailed a representative of Enbridge to advise that she had added the Project to the agenda for a meeting on October 29 that CFN was having with Enbridge regarding another project.			Attachment 2.2
2.3	October 26, 2018	Email	An Enbridge representative emailed a representative from CFN a copy of the presentation that would be used at the October 29 meeting. The Enbridge representative advised that the Project was still in the early stages and asked how many people would be attending the presentation so he could bring sufficient copies to the meeting.		The CFN representative responded indicating she had distributed the presentation to the members of Council.	Attachment 2.3

2.4	October 29, 2018	Meeting	An Enbridge representative met with four members of CFN's Council.  The Enbridge representative provided Council with details on the scope, purpose and reasons for the Project. The Enbridge representative invited CFN monitors to attend the Stage 2 archaeological assessment and advised that the Project was in the very early stages and they would continue to consult throughout the Project.	The parties agreed to meet in the future to discuss the Project again.	Schedule D Attachment 2.4
2.5	April 17, 2019	Email	An Enbridge representative emailed a CFN representative to request a meeting to discuss the Project.	The CFN responded advising they could meet during the first week of May.	Attachment 2.5
2.6	April 30, 2019	Email	A representative from Stantec, a consultant of Enbridge, emailed a representative from CFN to invite representatives to attend the Stage 2 archaeological assessment they would be completing for the Project.	On April 30, 2019, a CFN representative responded advising that CFN would be interested in having monitors attend the archaeological assessment. She asked about the location and length of time of the work.  The Stantec representative responded providing more details regarding the location of the work, as well as a map.	Attachment 2.6
2.7	June 3, 2019	Email	An Enbridge representative emailed a CFN representative to see whether she would be available to meet about the Project on June 12, 2019.	No response received from CFN representative	Attachment 2.7
2.8	June 14, 2019	Email	A Stantec representative emailed a CFN representative to advise that the Stage 2 work would be commencing on June 20, 2019 and provided the meeting location for monitors. The Stantec representative advised that monitors should bring their Personal property equipment and check for ticks throughout the day and while at home.		Attachment 2.8
2.9	June 20, 2019	Email	An Enbridge representative received an email from a CFN representative advising that she would be available next week to discuss the Project.	The Enbridge representative asked whether she would be available to meet on June 24.  No response received from CFN representative.	Attachment 2.9
2.10	June 21, 2019	Email	A Stantec representative emailed a representative from CFN to thank them for attending the assessment on June 20. He advised that they would continue the Stage 2 work the following week starting on the Tuesday (weather permitting).		Attachment 2.10

2.11	June 24, 2019	Email	An Enbridge representative emailed a CFN representative to follow up to arrange a meeting with her to discuss the Project. The Enbridge representative requested they meet on June 26, 2019 if available.	On June 26, 2019, the CFN representative responded to the Enbridge representative advising that they are very busy but suggested they meet on July 8 or 12, 2019.	Attachment 2.11
2.12	July 4, 2019	Email	An Enbridge representative confirmed a meeting date with the CFN representative for July 8, 2019.		Attachment 2.12
	July 10, 2019	Meeting to discuss the Project	<p>The Enbridge representatives reviewed the presentation and Project map with the representative from CFN. The Enbridge representative explained the purpose of the Project:</p> <ul style="list-style-type: none"> <li>the line was built in the 1940's and Enbridge is applying to the Ontario Energy Board to replace the line. The existing line is a combination of 8-10 inch lines that would be replaced with a 6' high pressure line.</li> <li>The planned construction date is 2020.</li> </ul> <p>The Enbridge representatives explained Archaeology and Environmental surveys and the mitigation that was involved. The Enbridge representatives advised that as the Project is within the road allowance, minimal archaeology is required; however, they invited CFN monitors to attend.</p> <p>The Enbridge representatives explained the process of removing/replacing pipe and the steps that need to be taken to complete a pipe replacement.</p>	<p>The CFN representative asked why Enbridge was replacing the existing lines with a smaller diameter pipe. The Enbridge representative explained that a smaller pipe could be used at a higher pressure to maintain the same volume of gas flowing.</p> <p>The CFN representative also asked why Enbridge was removing some sections of pipe and leaving others. The Enbridge representative explained that different sections of the pipeline had been replaced over the years. Only need to replace the sections that are outstanding.</p> <p>The CFN representative asked about natural heritage and archaeological studies.</p> <p>The CFN representative asked about the permits that would be required for the Project. The Enbridge representative advised that they will obtain all necessary permits, specifically the permit to take water.</p> <p>The CFN representatives asked about the Tree removal and whether Enbridge would be putting back native species post-construction. The Enbridge representatives advised that they would replace any trees that would have to be removed during</p>	Schedule A Schedule D



					<p>construction. They also provided CFN with information as to how post construction clean-up would be handled.</p> <p>The CFN representative advised that she appreciated receiving an early notification about the Project and that Enbridge was willing and able to keep the community informed about the Project. She asked whether the Enbridge representative could present to Chief and Council about the Project and advised that she would make arrangements.</p> <p>The CFN representative provided the Enbridge representative with new contacts for the CFN consultation team.</p>	
<b>Chippewa of Kettle and Stony Point First Nation ("CKSPFN")</b>						
<b>Line Item</b>	<b>Date of Engagement</b>	<b>Method of Engagement</b>	<b>Summary of Engagement Activity</b>	<b>Response from Community/Outstanding Issues</b>	<b>Attachment</b>	
3.1	October 12, 2018	Email	An Enbridge representative emailed a representative from CKSPFN notifying the community about the Project. The notification letter provided a description and map of the Project.	On October 12, 2018, the representative from CKSPFN emailed the Enbridge representative thanking him for the Project notification and provided new contact information for the Band Manager at CKSPFN.	Schedule A Attachment 3.1	
3.2	November 1, 2018	Email	A CKSPFN representative emailed an Enbridge representative requesting a meeting on the Project. The CKSPFN representative provided some available meeting dates and advised the Enbridge representative that Capacity Funding is now a requirement.	On November 1, 2018, the Enbridge representative responded indicating he could meet on November 13, 2018.	Attachment 3.2	
3.3	November 13, 2018	Email	A CKSPFN representative emailed the Enbridge representative advising that the CKSPFN consultation committee members had been selected	The meeting date was confirmed for November 13.	Attachment 3.3	

3.4	April 17, 2019	Email	so she would need to cancel the meeting scheduled for the same day (November 13), so they could be in attendance. An Enbridge representative emailed Chief Henry and other representatives from CKSPFN to follow up on the October 12, 2018 notification email. The Enbridge representative requested a meeting to discuss the Project.	The parties exchanged emails containing possible meeting dates.	Attachment 3.4
3.5	April 30, 2019	Email	A representative from Stantec emailed Chief Henry and other representatives from CKSPFN to advise them that Stantec would be completing a Stage 2 archaeological assessment for the Project and inquired as to whether they would like to have a representative attend the assessment.  On April 30, 2019, the representative from Stantec responded and provided a map with more detailed information on the assessed area.	On April 30, 2019, a representative from CKSPFN responded advising she would reach out to Stantec regarding funds and an agreement. The representative also asked about the location being assessed.	Attachment 3.5
3.6	May 13, 2019	Email	An Enbridge representative emailed a representative from CKSPFN requesting dates for a meeting to discuss the Project.	The parties exchanged emails and confirmed a meeting on May 30, 2019.	Attachment 3.6
3.7	May 28, 2019	Email	A CKSPFN representative emailed the Enbridge representative advising that she would have to postpone the meeting.		Attachment 3.7
3.8	June 6, 2019	Email	An Enbridge representative emailed a CKSPFN representative asking whether they could meet on another day.	No response received from CKSPFN representative.	Attachment 3.8
	June 13, 2019	In-person discussion	An Enbridge representative spoke to a CKSPFN representative following a meeting on a different project. The CKSPFN representative advised the Enbridge representative that CKSPFN was having difficulty getting the committee together and that she would notify the Enbridge representative once the Committee had been finalized. The CKSPFN representative also advised the Enbridge representative that she was working on getting a monitor to attend the Stage 2 archaeological assessment.		
3.9	June 14, 2019	Email	A Stantec representative emailed a representative from CKSPFN to advise that the Stage 2 archaeological assessment would be commencing on June 20 and provided the meeting location for monitors. The Stantec representative advised the monitors should bring their personal property equipment and check for ticks throughout the day and at home.		Attachment 3.9
3.10	June 21, 2019	Email	A Stantec representative emailed a representative from CKSPFN to thank them for attending the assessment on June 20. He advised that they would continue the Stage 2 work the following week starting on the Tuesday (weather permitting).		Attachment 3.10

3.11	June 24, 2019	Email	An Enbridge representative emailed the CKSPFN representative asking if there are other dates they would be available to meet to discuss the Project.	No response received from CKSPFN representative.	Attachment 3.11
3.12	July 9, 2019	Email	An Enbridge representative emailed the CKSPFN representative asking if they could meet to discuss the Project. The Enbridge representative also thanked the CKSPFN representative for having a monitor participate on the Stage 2 archaeological assessment.	On July 9, 2019, an Enbridge representative received an email from a CKSPFN representative advising that a monitor would not be available for the Project and that there would be costs to meet with the committee.  The CKSPFN representative did not provide the Enbridge representative with dates they would be able to meet.	Attachment 3.12
	July 11, 2019	Email	The CKSPFN representative emailed the Enbridge representative providing two possible meeting dates in late July to meet to discuss the Project. She did, however, advise that the meeting may be postponed to August given more availability.	On July 13, 2019, the Enbridge representative responded and provided the CKSPFN representative with a copy of the Project presentation. He also asked whether they could meet some time during the week of August 12.  On August 1, 2019, the meeting was set for August 12, 2019	
<b>Chippewas of the Thames First Nation ("COTFN")</b>					
<b>Line Item</b>	<b>Date of Engagement</b>	<b>Method of Engagement</b>	<b>Summary of Engagement Activity</b>	<b>Response from Community/Outstanding Issues</b>	<b>Attachment</b>
4.1	October 12, 2018	Email	An Enbridge representative emailed Chief Henry and representatives from COTFN notifying them about the Project. The notification letter included a description of the Project and a map.	On October 12, 2018, Chief Henry responded to the Enbridge representative asking for a meeting in the next few weeks.  On October 15, 2018, the Enbridge representative responded to Chief Henry advising he would call to set up a meeting time.	Schedule A Attachment 4.1

4.2	February 20, 2019	Email	The COTTEN Consultation Coordinator emailed an Enbridge representative regarding the upcoming Stantec Open House session on the Project and provided a letter advising that no one from the community would be able to attend, however, they would like to be kept apprised of the project.	Attachment 4.2
4.3	April 30, 2019	Email	A representative from Stantec sent an email to Chief Henry and other representatives from COTTEN advising that Stantec would be completing a Stage 2 archaeological assessment for the Project and asked whether representatives from COTTEN would like to participate.	Attachment 4.3
4.4	May 9, 2019	Email	An Enbridge representative emailed a representative from COTTEN asking to set up a time to meet to discuss the Project.	Attachment 4.
4.5	June 14, 2019	Email	A Stantec representative emailed representatives from COTTEN advising that the Stage 2 archaeological assessment would be commencing on June 20 and provided the meeting location for monitors. The Stantec representative advised the monitors should bring their personal property equipment and check for ticks throughout the day and at home.	Attachment 4.5
	June 17, 2019	Meeting at band office	<p>The Enbridge representatives reviewed the presentation made from the display board used at the public information sessions and Project map with the representative from COTTEN. The Enbridge representative explained the purpose of the Project:</p> <p>The Enbridge representatives explained the purpose of the Project:</p> <ul style="list-style-type: none"> <li>the line was built in the 1940's and Enbridge is applying to the Ontario Energy Board to replace the line. The existing line is a combination of 8-10 inch lines that would be replaced with a 6' high pressure line.</li> <li>The planned construction date is 2020.</li> </ul> <p>The Enbridge representatives explained Archaeology and Environmental surveys and the mitigation that was involved. The Enbridge representatives advised that as the Project is within the road allowance, minimal archaeology is required; however, they invited COTTEN</p>	Schedule A Schedule D

			<p>monitors to attend.</p> <p>The Enbridge representatives explained the process of removing/replacing pipe and the steps that need to be taken to complete a pipe replacement. They also provided COTTEN with their own copy of the table map they had reviewed during the meeting.</p>	<p>representatives explained that they use the dam and pump process.</p> <p>The Committee asked for a copy of the Environmental Assessment Report and the Enbridge representatives advised that they would forward it to them once it has been completed (EA report was forwarded by Stantec on July 22, 2019).</p> <p>The Committee asked about natural heritage and archaeological studies and whether they could have monitors. The Enbridge representatives committed to having COTTEN monitors for the Stage 2 archaeological assessment.</p> <p>The COTTEN representatives asked about the breeding season for fish and birds. The Enbridge representatives explained that construction of the Project is planned so as to avoid or not disrupt breeding practices.</p> <p>The Committee asked about Species at Risk – Fox Snake and about washing off the machines so there would be no spreading of micro-organisms. The Enbridge representative confirmed</p>	
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4.6	June 21, 2019	Email	The Stantec representative emailed the COTTN representative thanking them for attending the archaeological assessment on June 20. He advised that they would continue the Stage 2 work the following week starting on the Tuesday (weather permitting).	<p>that they would conduct soil testing and apply appropriate mitigation.</p> <p>The Committee also asked about Invasive species; and, the Enbridge representatives explained the cleaning process for the vehicles to avoid the spread of invasive species.</p> <p>The Committee asked for a 3-1 tree replacement – calling it an environmental replacement. The Enbridge representative explained that they would support this but would confirm.</p> <p>The parties also discussed the permit to take water, which is required for the Project.</p> <p>The meeting was productive and positive.</p> <p>The Enbridge representatives agreed to conducting further engagement and working together.</p>	Attachment 4.6
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Oneida First Nation ("OFN")					
Line Item	Date of Engagement	Method of Engagement	Summary of Engagement Activity	Response from Community/Outstanding Issues	Attachment
5.1	October 12, 2018	Email	An Enbridge representative emailed Chief Hill and another representative from OFN notifying them about the Project. The notification letter included a description and map of the Project.	No response received from OFN representative	Schedule A Attachment 5.1
5.2	April 17, 2019	Email	The Enbridge representative emailed Chief Hill and the Oneida Environmental Committee to follow up on the earlier Project notification email of October 12, 2018 and requested a meeting to discuss the Project.	On April 18, 2019, the OFN Environmental Coordinator responded with three possible dates for Enbridge to meet with Chief and Council.	Attachment 5.2
5.3	April 24, 2019	Email	The Enbridge representative emailed the OFN Environmental Coordinator requesting a meeting on May 6. He advised that he would be in attendance at the meeting along with Enbridge's Environmental Planner.	The meeting was confirmed for May 6, 2019.	Attachment 5.3
5.4	April 30, 2019	Email	A representative from Stantec emailed representatives from OFN to notify them that Stantec would be completing a Stage 2 archaeological assessment for the Project and asked whether they would like to participate in the assessment.	On May 8, 2019, an OFN representative responded to the Stantec representative's email advising they would be interested in sending a monitor.	Attachment 5.4
	May 6, 2019	Meeting on the Project	<p>The Enbridge representatives met with OFN's Chief, Council, Environmental Coordinator and other representatives to discuss the Project. The Enbridge representatives reviewed the presentation and Project map.</p> <p>The Enbridge representatives explained the purpose of the Project:</p> <ul style="list-style-type: none"><li>the line was built in the 1940's and Enbridge is applying to the Ontario Energy Board to replace the line. The existing line is a combination of 8-10 inch lines that would be replaced with a 6' high pressure line.</li><li>The planned construction date is 2020.</li></ul> <p>The Enbridge representatives explained Archaeology</p>	<p>The OFN representatives asked what was happening with the existing (i.e. old) line. The Enbridge representative explained that parts of the lines would be removed but some sections would be left as they were under roads and creeks. The Enbridge representatives explained the process of capping and filling the pipes to mitigate damage and impacts to the environment.</p> <p>Chief Hill asked about the</p>	

			<p>and Environmental surveys and the mitigation that was involved. The Enbridge representatives advised that as the Project is within the road allowance, minimal archaeology is required; however, they invited OFN monitors to attend.</p> <p>The Enbridge representatives explained the process of removing/replacing pipe and the steps that need to be taken to complete a pipe replacement. They also provided OFN with their own copy of the table map they had reviewed during the meeting.</p>	<p>Right of Way; the Enbridge representatives explained that the Project is within the road allowance to reduce Project impacts.</p> <p>The OFN representatives asked about the agriculture, wet soil and tree planting program. The Enbridge representatives responded advising that the Enbridge Tree Program was to replace every tree removed with two native species trees.</p> <p>In response to a question about what would happen in the case of a leak, the Enbridge representative discussed the Emergency procedures and provided information regarding what to do in an emergency situation.</p> <p>The OFN representatives asked about the filtration process and permits for taking water. The Enbridge representatives advised that permits to taking water will be obtained if necessary and we would follow ministry protocols.</p> <p>The Enbridge representatives advised the OFN representatives that the Environmental Report would be complete around the middle of mid-</p>	
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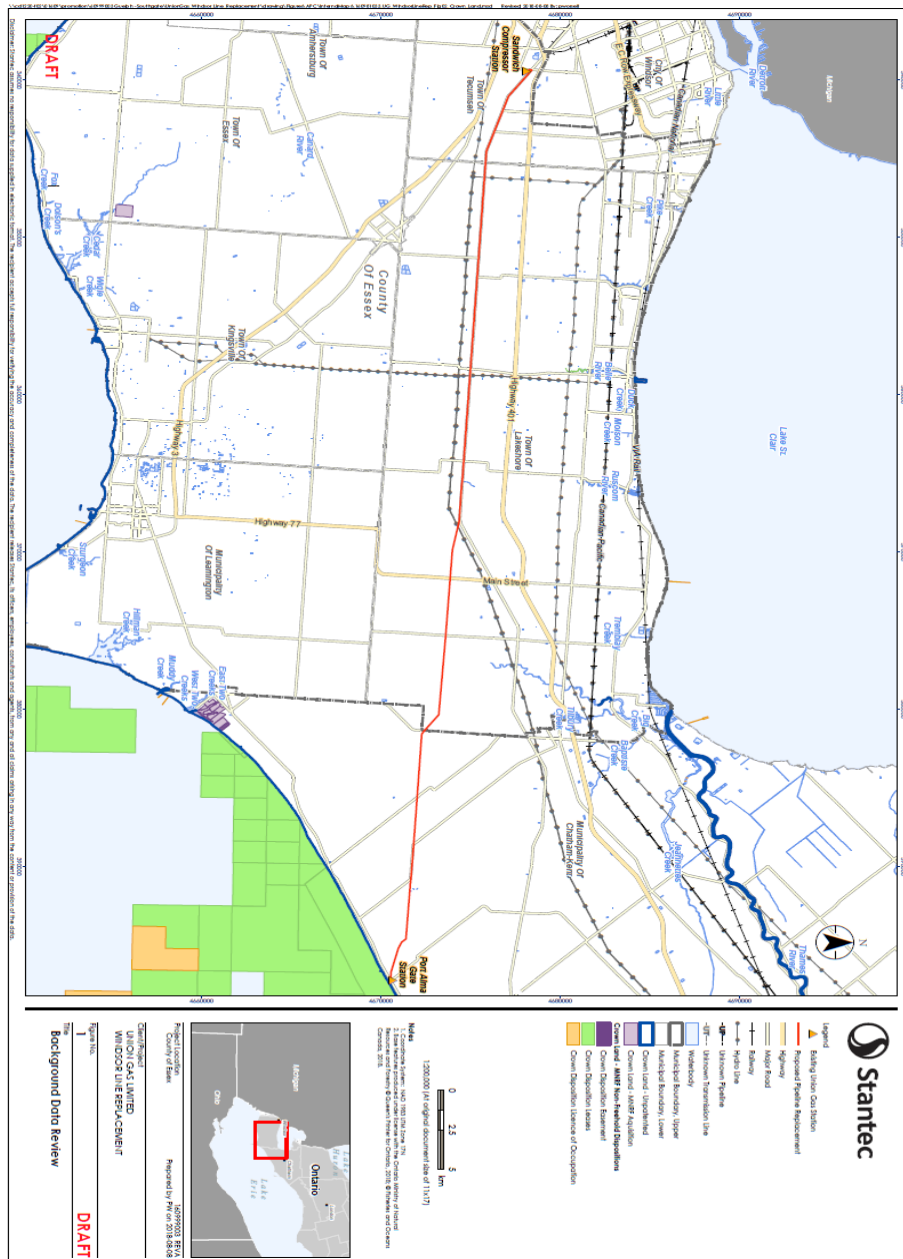
				<p>July and indicated they would provide them with a copy.</p> <p>The Enbridge representatives advised that they would welcome monitors from OFN to work with Stantec and that a representative from Stantec had contacted them in that regard.</p> <p>Chief Hill advised the Enbridge representative that she would like Enbridge to continue to update their Environmental Coordinator as the Project progresses.</p> <p>The meeting was positive.</p> <p>The Enbridge representatives agreed to continue to consult OFN on the Project and that OFN's Environmental Coordinator would contact them if they have any further questions or concerns.</p>	
Walpole Island First Nation ("WIFN")					
Line Item	Date of Engagement	Method of Engagement	Summary of Engagement Activity	Response from Community/Outstanding Issues	Attachment
6.1	October 12, 2018	Email	An Enbridge representative emailed the Chief and representatives from WIFN notifying them about the Project. The Project notification included a letter and map describing the Project.	No response received from WIFN representative.	Schedule A Attachment 6.1
6.2	April 17, 2019	Email	An Enbridge representative sent an email to the Chief and representatives from WIFN following up on the October 12, 2018 notification email and requested a meeting with WIFN to discuss the Project.	No response received from WIFN representative.	Attachment 6.2

6.3	April 30, 2019	Email	A representative from Stantec, a consultant for Enbridge emailed the Chief and representatives from WIFN to advise that they would be completing a Stage 2 archaeological assessment for the Project and invited representatives from WIFN to participate in the assessment. An Enbridge representative emailed representatives from WIFN to request a meeting to discuss the Project.			Attachment 6.3
6.4	May 2, 2019	Email			No response received from WIFN representative.	Attachment 6.4
6.5	May 17, 2019	Email			No response received from WIFN representative.	Attachment 6.5
6.6	May 22, 2019	Email			On May 22, 2019, the representative from WIFN confirmed that June 10 would work to meet with WIFN about the Project.	Attachment 6.6
	June 10, 2019	Meeting to discuss the Project.		The Enbridge representatives reviewed the presentation and Project map with representatives from WIFN.  The Enbridge representatives explained the purpose of the Project: <ul style="list-style-type: none"><li>the line was built in the 1940's and Enbridge is applying to the Ontario Energy Board to replace the line. The existing line is a combination of 8-10 inch lines that would be replaced with a 6' high pressure line.</li><li>The planned construction date is 2020.</li></ul> The Enbridge representatives explained Archaeology and Environmental surveys and the mitigation that was involved. The Enbridge representatives advised that as the Project is within the road allowance, minimal archaeology is required; however, they invited WIFN monitors to attend.  The Enbridge representatives explained the process of removing/replacing pipe and the steps that need to be taken to complete a pipe replacement. They also	The WIFN representatives asked the Enbridge representatives about watercourses and how they are handled. The Enbridge representatives advised that they use the dam and pump process and explained the process to WIFN.  The parties discussed Species at Risk. The Committee expressed concern over the mussels in the area. Enbridge explained their proposed mitigation measures to address this issue and species at risk. More details on mitigation measures can be found in the Environmental	Schedule A Schedule D

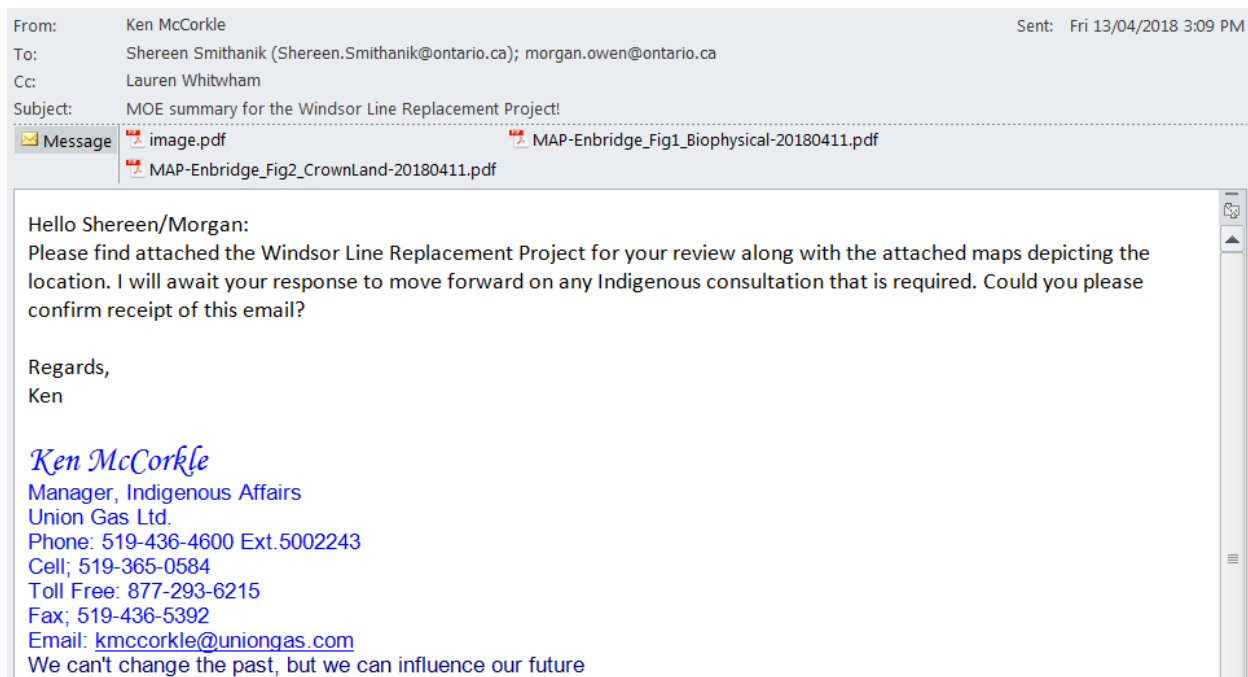
6.7	June 10, 2019	Email		provided WIFN with their own copy of the table map they had reviewed during the meeting.	<p>Assessment report.</p> <p>The WIFN representatives also asked about Fox Snake fencing and wanted to ensure the proper fence would be used, since Fox Snakes can climb higher than typical garter snakes. Enbridge explained their proposed mitigation measures, advising that the proper fences are used to ensure that the Fox Snake is unable to climb over.</p> <p>The WIFN representatives asked about the vegetation removal and whether Enbridge would be putting back native species post-construction. The Enbridge representatives advised that they would replace any trees that would have to be removed during construction. They also provided WIFN with information as to how post construction clean-up would be handled.</p> <p>The WIFN representatives asked whether the Enbridge representatives could present to Chief and Council about the Project. The parties agreed to set up a date with Chief and Council in July or August 2019.</p>	Attachment 6.7
				A WIFN representative emailed the Enbridge representative providing a date to present to Chief and	On June 24, an Enbridge representative responded	

			Council on the Project.	confirming July 9, 2019.  On July 3, an WIFN representative emailed to reschedule the meeting to August 13, 2019.	
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## Schedule A – Map of Project Location



## Schedule B – Letter of Notification





April 13, 2018

Ms. Shereen Smithanik  
Senior Policy Advisor  
Indigenous Energy Policy  
Ministry of Energy  
77 Grenville Street, 6<sup>th</sup> Floor  
Toronto, ON M7A 2C1

Dear Ms. Smithanik:

**Re: Windsor Line Replacement Project**

Enclosed please find Union's Report to the Ministry of Energy to determine the Indigenous Consultation required for the above noted project. I have also enclosed a copy of the Biophysical map and the Crown Land map for your reference.  
In the event that you have any questions on the above or would like to discuss in more detail, please do not hesitate to contact me.

Yours truly,

*Ken McCorkle*

Ken McCorkle  
Manager, Indigenous Affairs  
Union Gas Limited  
50 Keil Drive North  
Chatham, ON N7M 5M1  
Phone: 519-436-4600 ext. 5002243  
Email: kmccorkle@uniongas.com

P.O. Box 2001, 50 Keil Drive North, Chatham, ON, N7M 5M1 [www.uniongas.com](http://www.uniongas.com)  
Union Gas Limited

## **Union Gas Limited – Windsor Line Replacement Project**

### **Summary for Ministry of Energy**

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#### **1. Introduction**

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This Summary Report has been prepared to provide the Ministry of Energy (“MOE”) with an overview of the Windsor Line Replacement Project (“Project”), to support the preparation of a contact list of indigenous communities that may have an interest in the Project.

##### **1.1 Project Overview**

Union Gas Limited (“Union Gas”) is proposing to replace approximately 30km of existing NPS 10 inch diameter natural gas pipeline with a new NPS 6 inch diameter natural gas pipeline to continue to provide safe and reliable delivery of natural gas to the Windsor and Leamington area. The existing NPS 10 inch pipeline is proposed to be replaced with a smaller NPS 6 inch pipeline, which will be constructed in the vicinity of the existing pipeline. The proposed pipeline replacement is located entirely within the County of Essex, and will commence at Union’s Comber Transmission Valve Site and end at new station located in the vicinity of the intersection of County Rd 46 and 8<sup>th</sup> Concession Rd. A map indicating the proposed pipeline location project area is shown in Figure 1 and 2 (attached).

The following co-ordinates are the approximate proposed locations of the take off and end point for the new pipeline:

<b>Proposed Locations</b>	<b>Latitude</b>	<b>Longitude</b>
<b>Take Off</b>		
<b>Comber Transmission Station</b>	42.207723	-82.598658
<b>End Point</b>		
<b>New Station at 8<sup>th</sup> Concession Rd and County Rd 46</b>	42.238853	-82.945256

#### **2. Regulatory Requirements and Approvals**

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Ontario Energy Board (“OEB”) review and approval is required before this project can proceed. As part of that application, an Environmental Review (ER) will be conducted in accordance with the OEB Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7<sup>th</sup> Edition (2016). The ER for this Project is anticipated to be completed and submitted to the OEB as early as fall 2018, the proposed project is anticipated to be completed in phases with the first phase scheduled to be constructed and in service in 2019. Other permits and authorizations for the project will be determined and may be necessary at the Federal, Provincial and Municipal levels.



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### 3. Environmental Planning Process

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The environmental planning process for the Project will be initiated in spring of 2018 by Union Gas, with support provided throughout the process by consultant archaeologists, cultural heritage specialists, and environmental professionals. The following provides a general overview of the environmental planning process for the Project:

- **Complete an Environmental Protection Plan (EPP)**
    - Describe the proposed work necessary for the Project;
    - Describe the procedures that will be followed during construction of the facilities;
    - Identify potential environmental impacts and recommend measures to minimize those impacts; and
    - Describe the public consultation opportunities.
  - **Complete all necessary studies and assessments**
    - An Archaeological Assessment will be conducted by a licensed archaeologist in accordance with the Ministry of Tourism, Culture and Sport (MTCS) guidelines to identify known or potential archaeological resources within the Project area and will develop an appropriate mitigation plan if required.
    - A heritage specialist will review the running line for potential cultural heritage landscapes and built heritage resources and will develop an appropriate mitigation plan if required.
    - A qualified biologist will review the running line for potential species at risk and determine if any species will be impacted by construction activities and will develop an appropriate mitigation plan if required.
  - **Obtain all necessary environmental permits and approvals**
    - Union Gas will work with all relevant governing agencies (i.e. the Ministry of Natural Resources and Forestry (MNR), Essex Region Conservation Authority (ERCA), Fisheries and Oceans Canada (DFO)) to obtain any permits and/or approvals should it be necessary.
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### 4. Consultation

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Consultation is an important part of the environmental planning process and may include discussions with the relevant federal and provincial agencies, municipalities, interested and potentially affected landowners, and interest groups, as well as First Nations and Metis Nations as identified by the MOE.

Union Gas will contact with the County, MNR, DFO and ERCA to discuss and review the project. Union Gas will also contact landowners along the proposed route.

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### 5. Project Activities

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The pipeline will be installed using Unions standard construction practices which include grading the site, digging the trench, installing the welded pipeline in the trench, testing the pipeline, and restoring the area to its original condition.

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### 6. Summary and Conclusion

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The purpose of this report is to provide MOE with preliminary information regarding the Project and acquire a list of Indigenous communities that may be interested in providing feedback during the project planning process. Field work and data collection will be undertaken to determine the potential effects of this Project during the construction, and operation phases. Mitigation measures to manage these potential effects will be identified and will include proposed monitoring and contingency plans which will be implemented to ensure effects are minimized.

## Schedule C- Letter of Delegation of Authority

Ministry of Energy, Northern  
Development and Mines

77 Granville Street  
6<sup>th</sup> Floor  
Toronto ON M7A 2C1

Tel: (416) 314-2599

Ministère de l'Énergie, du  
Développement du Nord et des  
Mines

77 rue Grenville  
6<sup>es</sup> étage  
Toronto ON M7A 2C1

Tél: (416) 314-2599



### Indigenous Energy Policy

VIA EMAIL

September 10, 2018

Ken McCorkle  
Manager, Indigenous Affairs  
Union Gas Limited  
50 Keil Drive North  
Chatham, ON  
N7M 5M1

### Re: Windsor Line Replacement Project

Dear Ken McCorkle:

Thank you for your letter dated April 13, 2018 notifying the Ministry of Energy, Northern Development and Mines of Union Gas Limited's proposal for the Windsor Line Replacement Project and requesting clarification on Duty to Consult requirements. I recognize also the updated project description provided on April 25, 2018.

I understand that Union Gas is proposing to replace approximately 45km of existing NPS 10 inch diameter natural gas pipeline with a new NPS 6 inch diameter natural gas pipeline to continue to provide safe and reliable delivery of natural gas to the Windsor and Leamington area. The existing NPS 10 inch pipeline is proposed to be replaced with a smaller NPS 6 inch pipeline, which will be constructed in the vicinity of the existing pipeline. The proposed pipeline replacement is located entirely within the County of Essex and will commence at Union's Comber Transmission Valve Site and end at County Rd 1 (Wheatley Rd).

The Ministry has reviewed the information provided relative to its current understanding of the interests of First Nation and Métis communities in the area and has determined that it may have the potential to affect First Nation and Métis communities who hold or claim Aboriginal or treaty rights protected under Section 35 of Canada's *Constitution Act* 1982.

As you are aware, the Government of Ontario (the "Crown") has a constitutional duty to

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consult and accommodate First Nation and Métis communities when Crown project approvals may lead to an appreciable adverse impact on established or asserted Aboriginal or treaty rights. While the legal duty to consult falls on the Crown, the Crown may delegate the day-to-day, procedural aspects of consultation to project proponents. The Ministry of the Energy, Northern Development and Mines is delegating the procedural aspects of consultation to Union Gas Limited through this letter.

Based on the Crown's preliminary assessment of First Nation and Métis community rights and project impacts, the following Aboriginal communities should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that may be adversely affected by the Project:

Community	Mailing Address
Aamjiwnaang First Nation	978 Tashmoo Avenue Sarnia, ON N7T 7H5
Bkejwanong (Walpole Island) First Nation	RR #3 Walpole Island, ON N8A 4K9
Caldwell First Nation	14 Orange Street Leamington, ON N8H 1P5
Chippewas of the Thames First Nation	320 Chippewa Road, RR #1 Muncey, ON N0L 1Y0
Chippewas of Kettle and Stony Point	6247 Indian Lane Kettle & Stony Point First Nation, ON N0N 1J0
Oneida Nation of the Thames	RR 2 Southwold, ON N0L 2G0

This rights-based consultation list is based on information that is subject to change. First Nation and Métis communities may make new rights assertions at any time, and other developments (e.g. the discovery of Aboriginal archaeological sites) can occur that may require additional First Nation and/or Métis communities to be notified and/or consulted. If you become aware of potential rights impacts on communities that are not listed above at any stage of the consultation and approval process, kindly bring this to the attention of the Ministry with any supporting information regarding the claim. The Ministry will then assess whether it is necessary to include the community on the rights-based consultation list above.

It is the Ministry's expectation that Union Gas Limited will communicate directly with the communities listed above, and that Union Gas Limited will:

- Notify the communities that Union Gas Limited has been delegated the procedural aspects of consultation by the Ministry of Energy, Northern Development and Mines on behalf of Ontario.
- Notify the communities that they may contact the Crown directly should they have any questions or concerns.
- Provide the communities with the following contact information should they wish to communicate directly with the Ministry:  
Shereen Smithanik  
Senior Policy Advisor  
Indigenous Energy Policy  
Ministry of Energy, Northern Development and Mines  
416-326-0513  
Shereen.Smithanik@ontario.ca
- Please copy the Ministry contact when communicating the above information.

The Ministry relies on consultation conducted by proponents when it assesses the Crown's obligations and directs proponents during the regulatory process. Union Gas Limited's responsibilities for procedural aspects of consultation include:

- Providing the First Nation and Métis communities with timely notice of the project for the purposes of considering possible impacts on their Aboriginal and/or treaty rights;
- In that notice, clearly stating that Union Gas Limited has been delegated the procedural aspects of consultation by the Ministry of Energy, Northern Development and Mines on behalf of Ontario for the project.
- Providing First Nation and Métis communities with information about the project including anticipated impacts, and information on project timelines;
- Following up with First Nation and Métis communities to ensure they have received project information and that they are aware of the opportunity to express comments and concerns about the project;
- Explaining the regulatory and approval processes that apply to the project;
- Gathering information about how the project may adversely impact the relevant Aboriginal and/or treaty rights (for example, hunting, fishing) or sites of cultural significance (for example, burial grounds, archaeological sites);
- Considering the comments and concerns raised by First Nation and Métis communities and providing responses;
- Where appropriate, discussing accommodation, including mitigation or other measures to address potential adverse impacts on Aboriginal and/or treaty rights;
- Where appropriate, developing and discussing with the Crown appropriate accommodation measures;

- Taking reasonable steps to foster positive relationships with the First Nation and Métis communities;
- Bearing the reasonable costs associated with these procedural aspects of consultation; and
- Maintaining records of activities in relation to carrying out the delegated procedural aspects of consultation and providing information to the Ministry.

If you have any questions about this letter or require any additional information please contact Shereen Smithanik at 416-326-0513 or [Shereen.Smithanik@ontario.ca](mailto:Shereen.Smithanik@ontario.ca)

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Owen', with a stylized flourish extending to the right.

Morgan Owen  
A/Manager  
Indigenous Energy Policy

C: Ontario Pipeline Coordinating Committee (OPCC)

## Schedule D Presentation provided for Consultation Meetings

### Windsor Pipeline Replacement Project Information Session



#### Welcome

Please view the display boards, speak to members of Enbridge Gas Inc. (Enbridge Gas) and/or Stantec Consulting Ltd. (Stantec), and complete a questionnaire providing your feedback.

Sign up at the front desk to have your attendance recorded as part of the environmental study and to receive future project updates. (Note: As of Jan. 1, 2019, Union Gas and Enbridge Gas Distribution have amalgamated into one utility with the legal name Enbridge Gas Inc.)

#### Our commitment

Enbridge Gas is committed to involving community members in this proposed project. We are dedicated to providing you with up-to-date information in an open, honest and respectful manner and will carefully consider your input.

Enbridge Gas provides safe and reliable delivery of natural gas to more than 3.5 million residential, commercial, and industrial customers across Ontario. Enbridge Gas is committed to environmental stewardship and conducts all of its operations in an environmentally responsible manner.



### Windsor Pipeline Replacement Project Information Session



#### Project overview

The proposed project involves replacing approximately 60 km of the existing Windsor natural gas pipeline, an 8 to 10-inch diameter pipeline, with a new 6-inch diameter pipeline to be constructed in the vicinity of the existing pipeline.

The proposed project will occur between the existing Enbridge Gas Sandwich Station (located in the Town of Tecumseh) and the existing Enbridge Gas Port Alma Transmission Station (located in the Municipality of Chatham-Kent).

If approved by the Ontario Energy Board (OEB), construction of the proposed pipeline project is planned to begin as early as spring/summer 2020.



## Windsor Pipeline Replacement Project Information Session



### Why is Enbridge Gas undertaking this project?

Enbridge Gas is undertaking the proposed project as part of our continual pipeline monitoring and integrity program.



## Windsor Pipeline Replacement Project Information Session



### Environmental study process

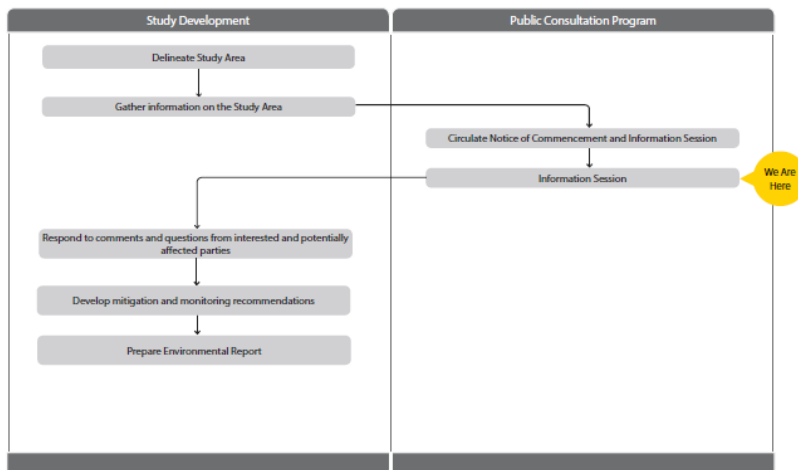
The environmental study and subsequent Environmental Report for the project will be completed as per the OEB's "Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)."

The study will:

- Undertake consultation to understand the views of interested and potentially affected parties.
- Consult with Indigenous Communities to understand interests and potential impacts.
- Be conducted during the earliest phase of the project.
- Identify potential impacts of the project.
- Develop environmental mitigation and protective measures to avoid or minimize potential impacts.
- Develop an appropriate environmental inspection, monitoring and follow-up program.



## Windsor Pipeline Replacement Project Information Session



## Windsor Pipeline Replacement Project Information Session



### Ontario Energy Board (OEB) review and approval process

The OEB is the body that regulates the natural gas industry in Ontario, in the public interest.

Enbridge Gas plans to submit an application for this project to the OEB. This application will include comprehensive information on the project including:

- The need for the project.
- Facility alternatives.
- Project costs and economics.
- Pipeline design and construction.

- Environmental mitigation measures.
- Land requirements.
- Consultation with Indigenous Communities.

The OEB will then hold a public hearing to review the project.

If after this review the OEB determines that the project is in the public interest it will approve construction of the project.

Additional information about the OEB process can be found on the project newsletter and at: [www.ontarioenergyboard.ca](http://www.ontarioenergyboard.ca)





## Windsor Pipeline Replacement Project Information Session



### Preliminary preferred alternative

Following a detailed review, Enbridge Gas determined the optimal approach was to replace the existing 8 to 10-inch diameter pipeline with a new 6-inch diameter pipeline.

The benefits of replacing the existing 8 to 10-inch diameter pipeline in a new alignment within the existing road allowance include:

- Maintaining gas service to existing customers throughout construction.
- Less disturbance to private lands related to pipeline maintenance.
- Improved safety for both the public and workers during construction.
- Minimizing environmental impacts by:
  - Reducing the footprint by remaining primarily within the existing road allowances.
  - Reducing impacts by minimizing disturbance to adjacent natural features and agricultural land.



## Windsor Pipeline Replacement Project Information Session



### Access and land requirements

Representatives from Enbridge Gas will meet with directly affected landowners along the pipeline route to discuss land rights which are necessary for the removal of the existing pipeline and construction of the new pipeline.

The compensation offered for both the construction of the new pipeline and removal of the existing pipeline where applicable will include a component for land rights, disturbance and a payment for crop loss.



## Windsor Pipeline Replacement Project Information Session



### Pipeline removal and abandonment

Pipeline removal and abandonment will be completed in accordance with Canadian Standards Association (CSA) Z662 Standards.

Enbridge Gas intends to remove the existing pipeline from private lands, where practicable. Where removal is not practicable, the existing pipe will be abandoned in place. Determination between pipeline removal and abandonment will consider the following:

- Landowner preference.
- Road crossings.
- Stream crossings.
- Depth of cover.
- Environmental considerations.
- Landscaping, driveways, etc.



## Windsor Pipeline Replacement Project Information Session



### Your Enbridge Gas system connection and this project

This project will see an existing pipeline decommissioned and a new pipeline installed. Decommissioning will be completed in accordance with CSA Z662 Standards.

Currently there are approximately 450 properties along the proposed project route that are directly connected to the existing pipeline. If you are one of these properties, representatives from Enbridge Gas will work with you

to ensure a smooth transition of your service to the new pipeline, which will involve a temporary gas service outage and subsequent appliance re-light.

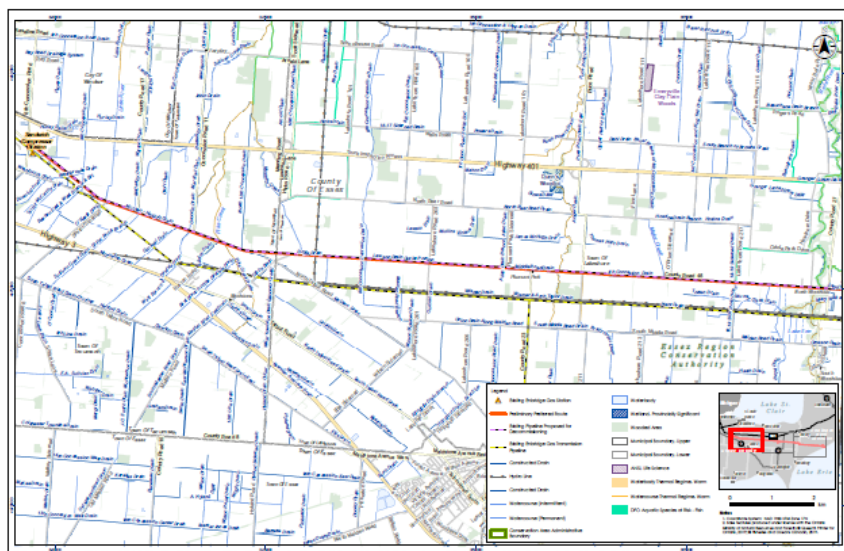
Other property impacts during construction, such as the need to cross driveways, will be managed with you to ensure you maintain access to your property.



## Windsor Pipeline Replacement Project Information Session



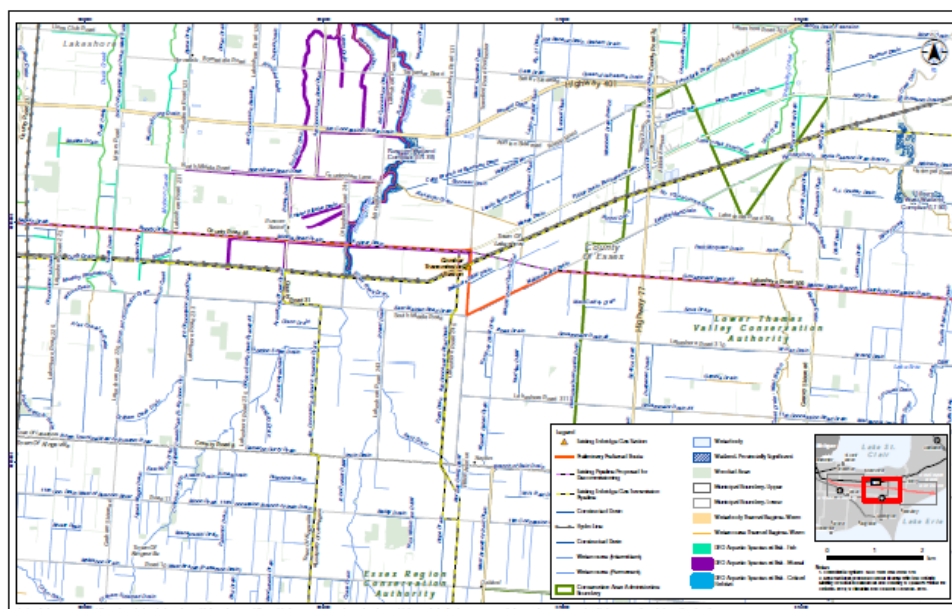
Existing features along the preliminary preferred route



## Windsor Pipeline Replacement Project Information Session



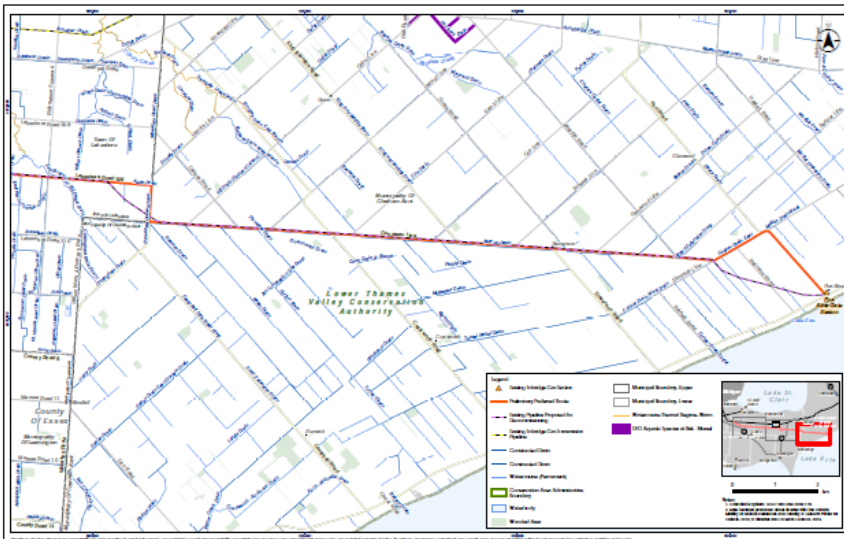
Existing features along the preliminary preferred route



# Windsor Pipeline Replacement Project Information Session



### Existing features along the preliminary preferred route



# Windsor Pipeline Replacement Project Information Session



## Agricultural land

The preliminary preferred route is primarily in existing road allowances; however, agricultural lands adjacent to the road right-of-way may be impacted along the route to facilitate the construction process.

Enbridge Gas has established and tested measures to preserve the integrity of agricultural lands throughout the construction phase:

- Enbridge Gas will implement a wet soil shutdown protocol on agricultural lands to minimize soil structure damage.
- If work occurs on agricultural lands, Enbridge Gas will implement appropriate cleanup and restoration.

- Any agricultural drainage and tiling systems impacted by construction will be repaired.

Tile will be temporarily re-routed where required to ensure proper drainage during construction.

Damage and severed drains will be repaired following construction. After repair and prior to backfilling, landowners will be invited to inspect and approve the repair. Any on-going concerns with tile repair will be addressed by Enbridge Gas.



## Windsor Pipeline Replacement Project Information Session



### Socio-economic features

The preliminary preferred route is primarily in existing road allowances.

#### Potential effects

- Temporary increases in noise, dust and air emissions.
- Increased construction traffic volumes.
- Temporary impairment of the use and enjoyment of property.
- Vegetation clearing along the pipeline easement (if needed).
- Temporary traffic restrictions and lane closures.
- Coordination, inspection of natural gas service to customers during the tie-over from the existing Windsor Pipeline to the new replacement.

#### Example mitigation measures

- Provide access across the construction area.
- Restrict construction to daylight hours, and adhere to applicable noise by-laws when possible.
- Develop and implement a Traffic Control Plan.
- Place fencing at appropriate locations for safety.
- Implement a water well monitoring program.
- Providing you contact to an Enbridge Gas representative who is available prior to and throughout construction.
- Dust control measures.
- Re-vegetation of cleared areas (seeding/planting).



## Windsor Pipeline Replacement Project Information Session



### Aquatic resources

Enbridge Gas understands the importance of protecting wildlife during construction and therefore will implement recognized mitigation measures to minimize possible environmental effects.

The pipeline crosses 25 known watercourses.

#### Potential effects

- Disruption and alteration to aquatic species and habitat and/or nuisance effects.
- Increased erosion, sedimentation, and turbidity resulting from removal of vegetation.

#### Example mitigation measures

- Conduct surveys of waterbodies.
- Obtain all agency permits and approvals.

- Limit in-channel construction, where possible, and conform to fish timing window guidelines.
- For in-channel construction, protect aquatic species and manage sedimentation and turbidity.
- Restore and seed areas to establish habitat and reduce erosion.
- Replant riparian vegetation.





## Windsor Pipeline Replacement Project Information Session



### Cultural heritage resources

During the course of construction, cultural heritage features such as archaeological finds, buildings, fences and landscapes may be encountered. Detailed field surveys will be conducted by independent, third-party archaeologists and cultural heritage professionals.

#### Potential effects

- Damage or destruction of archaeological, paleontological or historical resources.

#### Example mitigation measures

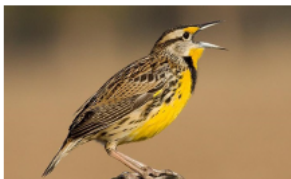
- Archaeological assessment of the construction right-of-way, with review and comment from the Ministry of Tourism, Culture and Sport (MTCS).

- Cultural heritage assessment (for built heritage features and cultural heritage landscapes) of the construction right-of-way, with review and comment from MTCS.

- Reporting of any previously unknown archaeological, paleontological or historical resources uncovered, or suspected of being uncovered, during excavation.



## Windsor Pipeline Replacement Project Information Session



### Terrestrial resources

During the course of construction, natural heritage features such as wildlife habitat and vegetated areas will need to be crossed.

#### Potential effects

- Damage or removal of vegetation and wildlife habitat adjacent to the construction area.
- Disturbance and/or mortality to local wildlife.

#### Example mitigation measures

- Conduct surveys (including Species at Risk surveys) in advance of construction to determine opportunities for wildlife habitat to exist.

- Clearly mark the construction area to avoid accidental damage.
- Restore and seed areas to establish habitat and reduce erosion.
- Secure any necessary permits, and follow any conditions of approval.



## Windsor Pipeline Replacement Project Information Session

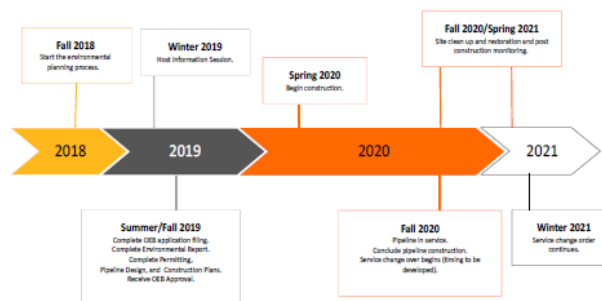


### Next steps

Serving hundreds of communities in Ontario, we consider ourselves strong community partners who believe in and are committed to public consultation.

During the planning stages for this project we have consulted and will continue to consult with local landowners, Indigenous communities, government agencies and other interested parties that could be impacted by the Project.

After this Information Session, we intend to pursue the following schedule of activities:



## Windsor Pipeline Replacement Project Information Session



## Thank you!

On behalf of the Project Team, thank you for attending this Information Session. We appreciate your involvement in the consultation process, and we would like to hear from you.

Please fill out the Exit Questionnaire. If you have any further comments or questions, please contact:

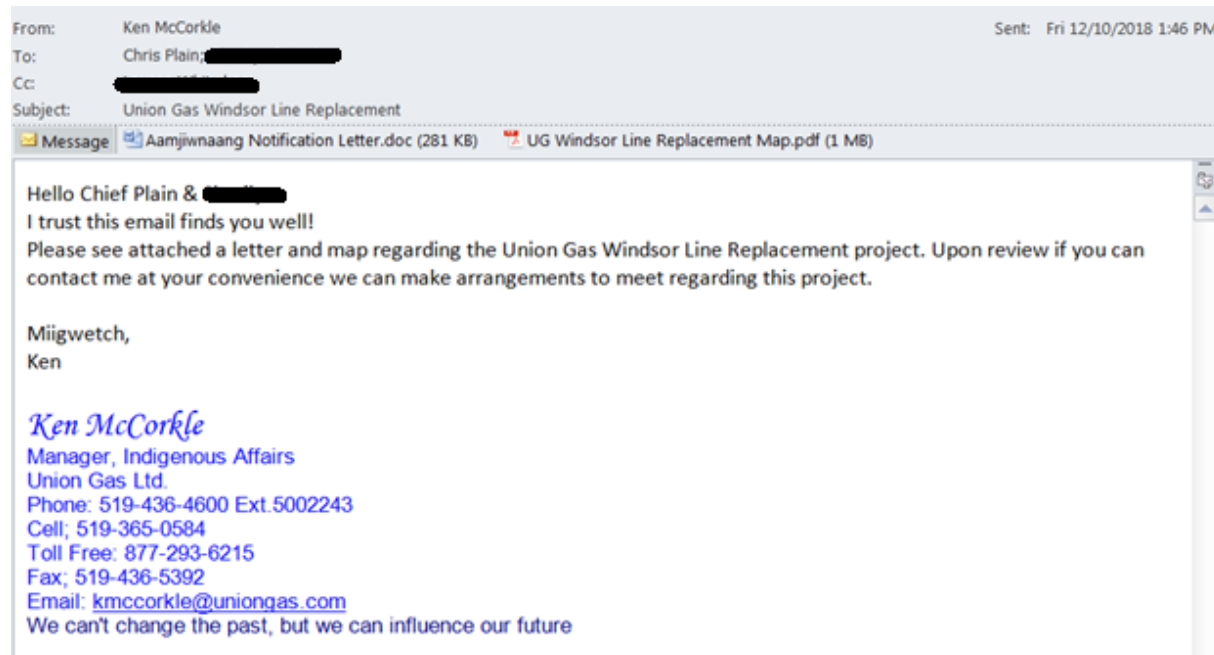
**Laura Hill, Project Manager**  
Stantec Consulting Ltd.  
Phone: 613-784-2286  
Email: Laura.Hill@Stantec.com

**Enbridge Gas**  
Phone: 1-855-381-9138  
Email: Projects@uniongas.com

Or visit our project webpage: [www.uniongas.com/projects/windsor-line-replacement](http://www.uniongas.com/projects/windsor-line-replacement)



Attachment 1.1







Chief Christopher Plain  
Aamjiwnaang First Nation  
978 Tashmoo Avenue  
Sarnia, Ontario  
N7T 7H5

October 12, 2018

Re: Union Gas Windsor Line Replacement project

Dear Chief Plain,

Union Gas Limited has been bringing clean, reliable, and affordable natural gas service for more than a century to over 400 communities across Ontario.

Union Gas is proposing to replace approximately 59kms of existing NPS 10 inch diameter natural gas pipeline with a new NPS 6 inch diameter natural gas pipeline to continue to provide safe and reliable delivery of natural gas to the Windsor and Leamington area. The existing NPS 10 inch pipeline is proposed to be replaced with a smaller NPS 6 inch pipeline, which will be constructed in the vicinity of the existing pipeline. The proposed pipeline replacement is located entirely within the County of Essex, and will commence at Union's Comber Transmission Valve Site and end at the new station located in the vicinity of the intersection of County Rd 26 and 8<sup>th</sup> Concession Rd. A map indicating the proposed pipeline location project area is attached.

We would like to consult with your community on this proposed project. We are interested in your community's feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts to Aboriginal or treaty rights.

Union Gas has been delegated the procedural aspects for consultation by the Ministry of Energy on behalf of Ontario. Ministry officials are also available should you wish to contact them directly with any questions or concerns. Please contact:

Shereen Smithanik  
Senior Policy Advisor  
Ministry of Energy  
416-326-0513  
Shereen.smithanik@ontario.ca

We would like to set up a meeting to discuss our project with you and provide you with an opportunity to express any questions or concerns you have. Please feel free to contact me at [kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com) or 519-365-0584 so we can set up a time to meet.

Miigwetch,

Ken McCorkle  
Manager, Indigenous Affairs  
[kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com)  
519-365-0584

PO Box 2001, 50 Keil Drive North, Chatham, Ontario N7M5M1 [www.uniongas.com](http://www.uniongas.com)  
Union Gas Limited

Attachment 1.2

---

**From:** Ken McCorkle  
**Sent:** April-17-19 9:00 PM  
**To:** Chris Plain; [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Windsor Line Replacement and Sarnia Project!

Hello Chief Plain & [REDACTED]

I trust this email finds you well!

As per our last correspondence I am following up to request time for a consultation regarding our Windsor Line Replacement and Sarnia Projects. If you could respond with a couple of dates that will work for you I will make arrangements on my end? I will await your response!

Miigwech,  
Ken

*Ken McCorkle*

Sr Advisor, Indigenous Affairs  
Enbridge Gas Inc. :Operating as Union Gas  
Phone: 519-436-4600 Ext.5002243  
Cell; 519-365-0584  
Toll Free: 877-293-6215  
Email: [kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com)

We can't change the past, but we can influence our future

Attachment 1.3

**From:** [REDACTED]@stantec.com>  
**Sent:** 30 April 2019 15:33  
**To:** chief.plain@aamjiwnaang.ca; [REDACTED] Email support  
**Cc:** [REDACTED], [REDACTED], [REDACTED], Ken McCorkle (KMcCorkle@uniongas.com)  
**Subject:** Enbridge Windsor Pipeline Replacement Project

Good Afternoon,

Further to the notice of commencement issued in February 2019, Stantec will be completing a Stage 2 archaeological assessment in support of Enbridge's Windsor Pipeline Replacement Project. We wish to invite a community member to join the Stantec archaeological team during the Stage 2 survey work. If you are interested in assisting on this project please let me know. Regarding payment, please contact [REDACTED] at [REDACTED]@stantec.com and arrangements will be made to provide a contract for review.

We are aiming to begin the Stage 2 survey in mid-May 2019. Once we have confirmed your attendance, we will provide further details regarding a meeting time, place, and required personal protective equipment.

Looking forward to hearing from you!  
 Thanks,

[REDACTED]  
 Associate, Senior Archaeologist  
 Environmental Services

Direct: 519-675-6640  
 Cell: 226-268-7196

Stantec  
 600-171 Queens Avenue  
 [REDACTED]

*Ken McCorkle*  
 Sr Advisor, Indigenous Affairs  
 Enbridge Gas Inc. : Operating as Union Gas  
 Phone: 519-436-4600 Ext.5002243  
 Cell: 519-365-0584  
 Toll Free: 877-293-6215  
 Email: kmccorkle@uniongas.com  
 We can't change the past, but we can influence our future

**From:** Email support [REDACTED]>  
**Sent:** Wednesday, May 01, 2019 5:40 AM  
**To:** [REDACTED]@stantec.com>; chief.plain@aamjiwnaang.ca; [REDACTED]@aamjiwnaang.ca  
**Cc:** [REDACTED]@uniongas.com>; [REDACTED]@stantec.com>; [REDACTED]@uniongas.com>; [REDACTED]  
**Subject:** Re: Enbridge Windsor Pipeline Replacement Project

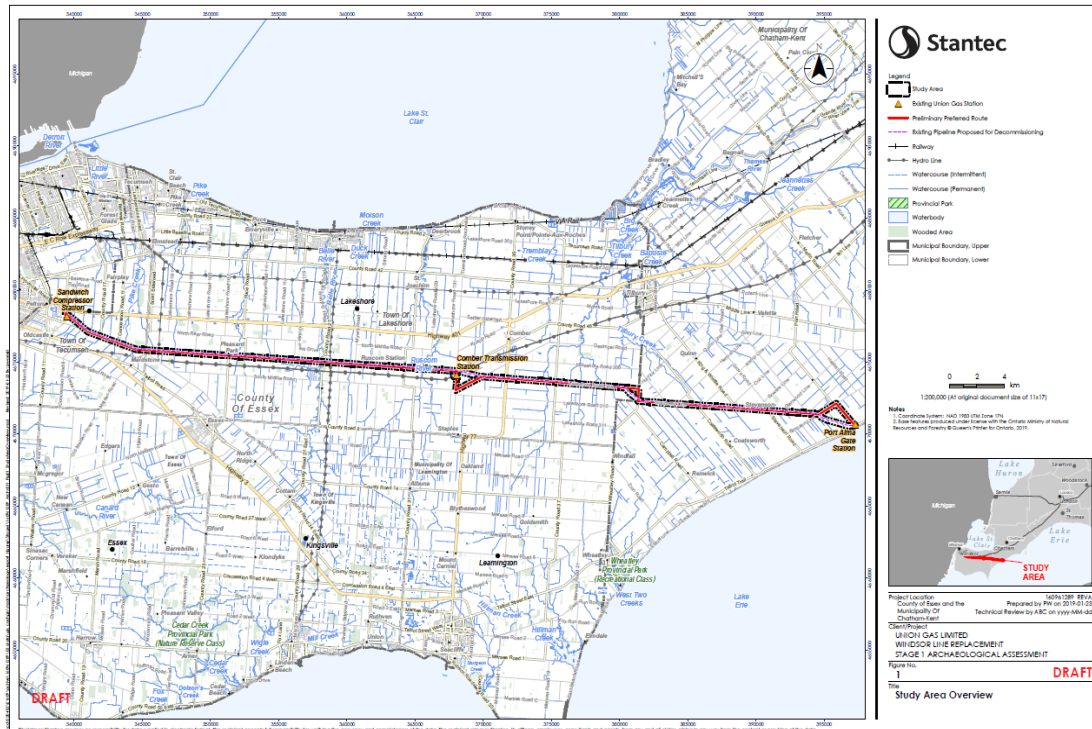
Hi [REDACTED]  
 TTMS will be available for this project  
 Thanks  
 [REDACTED]

**From:** [REDACTED]@stantec.com>  
**To:** Email support; chief.plain@aamjiwnaang.ca; [REDACTED]@aamjiwnaang.ca  
**Cc:** [REDACTED], [REDACTED], [REDACTED], Ken McCorkle  
**Subject:** [External] RE: Enbridge Windsor Pipeline Replacement Project  
**Message:** 160961289\_ArchySt1\_Fig01\_StudyAreaOverview.pdf (2 MB)

Thanks [REDACTED]

Attached is a generalized map illustrating the broad study area. The actual area of impact (study area) is still being refined and we do not have a confirmed Stage 2 study area yet. We are hoping to finalize the Stage 2 area over the next couple of weeks. As I get more information and we are able to refine the schedule, I'll be in touch with you and the appointed monitor.

Cheers,  
 [REDACTED]



Attachment 1.4

From: Ken McCorkle  
To: [REDACTED]  
Cc: [REDACTED]  
Subject: FW: Windsor Line Replacement and Sarnia Project!

Sent: Mon 13/05/2019 4:29 PM

Hello [REDACTED]

First let me say it was nice to speak with you at your recent Earth Day celebrations. The attendance was amazing and the energy in the room was fantastic!

I am just following up to confirm if you had a couple of dates I could get to book in a consultation for our Windsor and Sarnia projects?

Miigwech,  
Ken

*Ken McCorkle*

Sr Advisor, Indigenous Affairs  
Enbridge Gas Inc. :Operating as Union Gas  
Phone: 519-436-4600 Ext.5002243  
Cell; 519-365-0584  
Toll Free: 877-293-6215  
Email: [kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com)

We can't change the past, but we can influence our future

Attachment 1.5

---

**From:** [REDACTED] <[REDACTED]@aamjiwnaang.ca>  
**Sent:** May-22-19 4:05 PM  
**To:** Ken McCorkle  
**Subject:** [External] Environment Committee Meeting

Hello Ken,

Aamjiwnaang Environment Committee has cancelled Tuesday, June 4<sup>th</sup>, 2019 meeting and would like to reschedule with you. Can you please let me know if you're available for any of the dates listed below;

1. Tuesday, June 18, 2019 at 5:00 pm
2. Tuesday, July 9, 2019 at 5:00 pm or 5:30 pm
3. Tuesday, July 16, 2019 at 5:00 pm or 5:30 pm

Hope to hear from you soon,

[REDACTED]

---

**From:** Ken McCorkle <KMccorkle@uniongas.com>  
**Sent:** Thursday, May 23, 2019 8:55 AM  
**To:** [REDACTED] <[REDACTED]@aamjiwnaang.ca>  
**Cc:** [REDACTED] <[REDACTED]@uniongas.com>  
**Subject:** RE: Environment Committee Meeting

Hello [REDACTED]:

Please schedule us for June 18 @ 5PM regarding consultation for the Windsor and Sarnia Projects!

Miigwech,  
Ken

---

**From:** [REDACTED] <[REDACTED]@aamjiwnaang.ca>  
**Sent:** May-23-19 11:19 AM  
**To:** Ken McCorkle  
**Cc:** [REDACTED]  
**Subject:** [External] RE: Environment Committee Meeting

Hi Ken,

Thanks for your reply, Ill schedule for 5:00 pm on June 18, 2019. Our meeting is held at the Band Administration Building (978 Tashmoo Avenue, Sarnia, ON N7T 7H5). Can you please send me your presentation by June 12<sup>th</sup> and I will make copies for the committee.

Miigwech,

[REDACTED]

Attachment 1.6

From: [REDACTED]@stantec.com>

Sent: 14 June 2019 08:28

To: [REDACTED]

Cc: [REDACTED] Ken McCorkle (KMccorkle@uniongas.com); [REDACTED]

Subject: Enbridge Windsor Pipeline Replacement - Stage 2 Archaeology

Good Morning Everyone!

Thanks for everyone's patience while we coordinated agreements and utility locates! Will be starting the Stage 2 work for this project on **Thursday, June 20<sup>th</sup>**. For ease of meeting, let's get together for **9am at the Tim Hortons location in Comber (just south of HWY 401) at 7010 Industrial Drive**. From there, we can carpool and/or convoy to the various assessment areas. Much of the day will be spent test pitting and I anticipate we will be working both Thursday and Friday. We will re-evaluate the work scope Friday afternoon to determine an appropriate schedule for the following week.

If possible, please bring a safety pylon for any vehicle being driven as part of the convoy and advise staff of the following PPE requirements: steel/composite toe work boots, hard hat, safety glasses, hi-vis vest, and gloves. In addition, we will be walking through some grassy and scrubby areas, please advise staff to conduct tick checks throughout the day and at home.

For next week, [REDACTED] will be the Field Supervisor. He can be reached by voice or text on his cell at 519-933-1827. Feel free to reach out to [REDACTED] if anyone needs any further information.

Thanks and have a great weekend! Looking forward to kicking off this phase of the work with everyone!

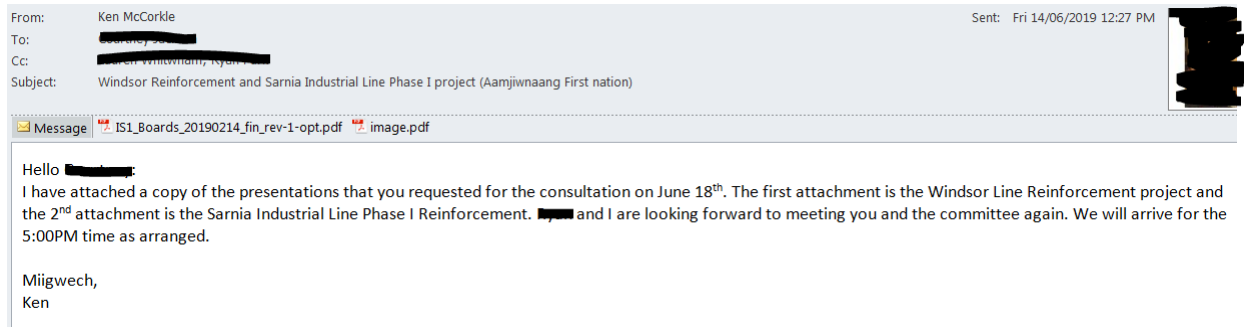
Cheers,

[REDACTED]

**Parker Dickson, MA**  
Associate, Senior Archaeologist  
Environmental Services

Direct: 519-675-6640

Attachment 1.7





Attachment 1.8

**From:** [REDACTED] [mailto:[REDACTED]@stantec.com] [Next](#) [Previous](#)  
**Sent:** June-21-19 1:49 PM  
**To:** Email support; [REDACTED]; [mailto:[REDACTED]@caldwellfirstnation.ca]; Valerie George; Ellen Barclay; [REDACTED]  
**Cc:** [REDACTED]; Ken McCorkle; [REDACTED]; [REDACTED]; [REDACTED]  
**Subject:** [External] RE: Enbridge Windsor Pipeline Replacement - Stage 2 Archaeology

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hi Everyone!

Thanks for your support during the Stage 2 work this past week. We will resume Stage 2 work next week as well. However, the weather forecast does not appear favourable for Monday. For now, let's plan to meet on **Tuesday morning for 9am** at the **Tim Hortons in Comber** again (see email string below for the address). I'll be keeping an eye on the weather forecast over the weekend and should any mobilization details change, I'll reach out to everyone again to provide an update.

Thanks again and have a great weekend!


[REDACTED]

Attachment 1.9



Attachment 1.10

[REDACTED] <[REDACTED]@aamjiwnaang.ca>

 You replied to this message on 06/08/2019 3:02 PM.

Sent: Tue 09/07/2019 2:16 PM

To: Ken McCorkle

Cc: [REDACTED]

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Good afternoon Ken,



Can you please forward the formal letter sent to Aamjiwnaang regarding the two projects listed above?

Miigwech,

[REDACTED]

From: Ken McCorkle  
To: [REDACTED]  
Cc: [REDACTED]  
Subject: Windsor Pipeline Project!

Sent: Tue 06/08/2019 3:16 PM

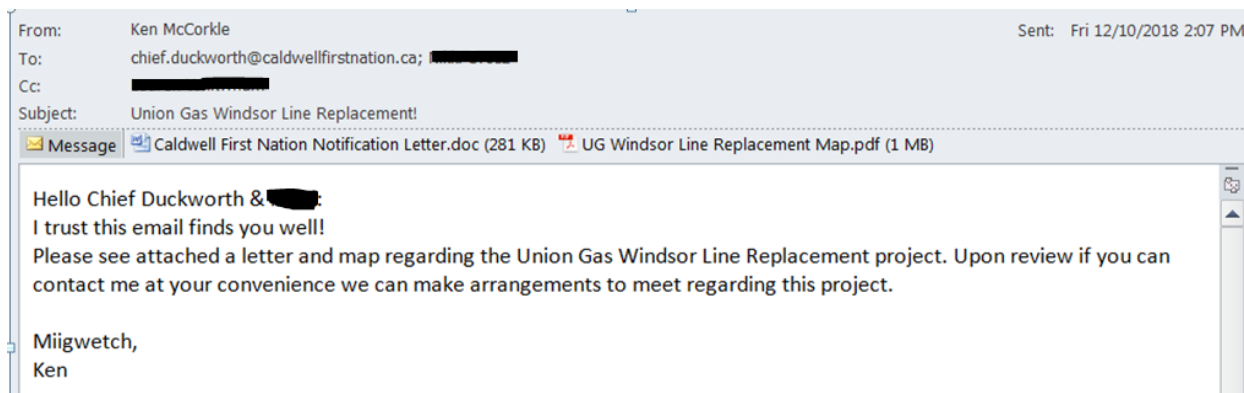
 Message  Union Gas Windsor Line Replacement (1 MB)

Hello [REDACTED]:

Please see attached the formal letter and map you requested for the Windsor Pipeline project.

Miigwech,  
Ken

Attachment 2.1





Chief Mary Duckworth  
Caldwell First Nation  
14 Orange Street  
Leamington, ON N8H1P5

October 12, 2018

Re: Union Gas Windsor Line Replacement project

Dear Chief Duckworth,

Union Gas Limited has been bringing clean, reliable, and affordable natural gas service for more than a century to over 400 communities across Ontario.

Union Gas is proposing to replace approximately 59kms of existing NPS 10 inch diameter natural gas pipeline with a new NPS 6 inch diameter natural gas pipeline to continue to provide safe and reliable delivery of natural gas to the Windsor and Leamington area. The existing NPS 10 inch pipeline is proposed to be replaced with a smaller NPS 6 inch pipeline, which will be constructed in the vicinity of the existing pipeline. The proposed pipeline replacement is located entirely within the County of Essex, and will commence at Union's Comber Transmission Valve Site and end at the new station located in the vicinity of the intersection of County Rd 26 and 8<sup>th</sup> Concession Rd. A map indicating the proposed pipeline location project area is attached.

We would like to consult with your community on this proposed project. We are interested in your community's feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts to Aboriginal or treaty rights.

Union Gas has been delegated the procedural aspects for consultation by the Ministry of Energy on behalf of Ontario. Ministry officials are also available should you wish to contact them directly with any questions or concerns. Please contact:

Shereen Smithanik  
Senior Policy Advisor  
Ministry of Energy  
416-326-0513  
[Shereen.smithanik@ontario.ca](mailto:Shereen.smithanik@ontario.ca)

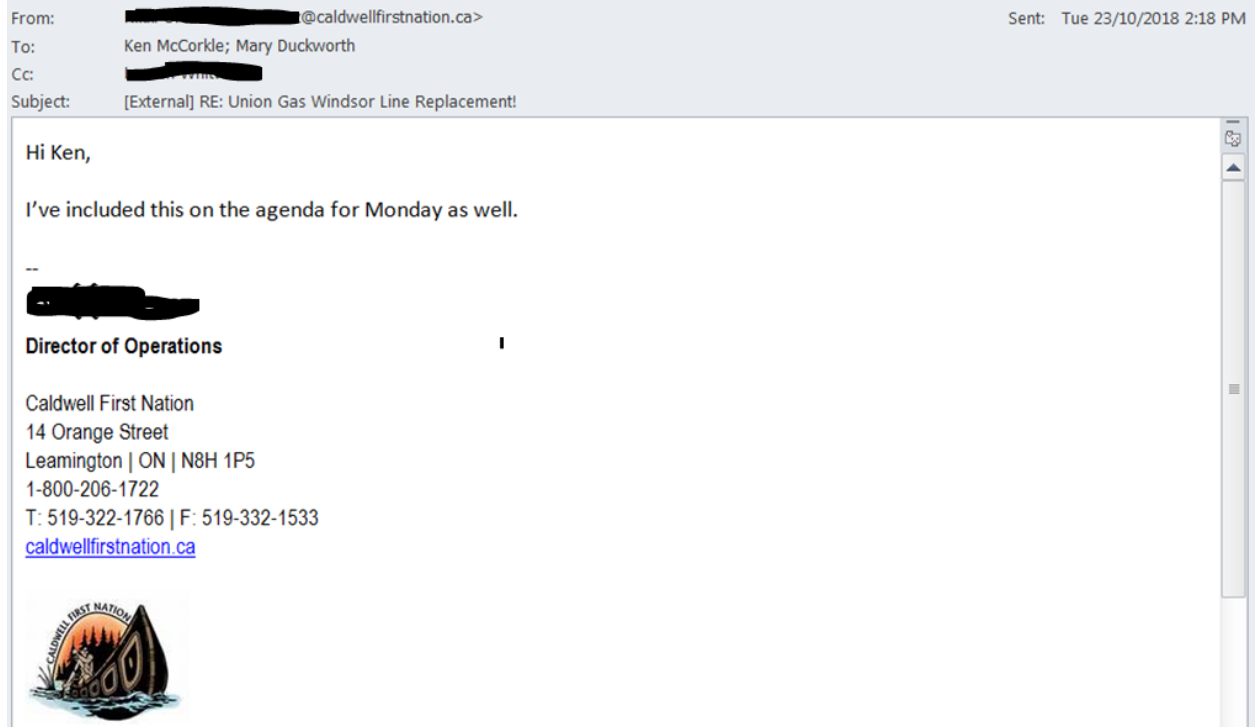
We would like to set up a meeting to discuss our project with you and provide you with an opportunity to express any questions or concerns you have. Please feel free to contact me at [kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com) or 519-365-0584 so we can set up a time to meet.

Miigwetch,

Ken McCorkle  
Manager, Indigenous Affairs  
[kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com)  
519-365-0584

P.O. Box 2001, 50 Keil Drive North, Chatham, Ontario N7M5M1 [www.uniongas.com](http://www.uniongas.com)  
Union Gas Limited

Attachment 2.2



Attachment 2.3

From: Ken McCorkle <[KMCCorkle@uniongas.com](mailto:KMCCorkle@uniongas.com)>  
Sent: October 26, 2018 10:38 AM  
To: [REDACTED] <[REDACTED]@caldwellfirstnation.ca>; Mary Duckworth <[chief.duckworth@caldwellfirstnation.ca](mailto:chief.duckworth@caldwellfirstnation.ca)>  
Cc: [REDACTED] <[REDACTED]@uniongas.com>  
Subject: RE: [External] RE: Union Gas Chatham-Kent & Windsor Line Replacement!

Hello [REDACTED]

Please find attached a copy of the presentation for the Chatham-Kent Project to be presented on Monday. Regarding the Windsor project we are in the early stage of this and I will provide a map and scope outline on Monday for this one.

Could you let me know how many will be in attendance as I will bring a hard copy for each attendee?

I Miigwetch,  
Ken

From: [REDACTED] <[REDACTED]@caldwellfirstnation.ca>  
To: Ken McCorkle  
Cc: [REDACTED]  
Subject: RE: [External] RE: Union Gas Chatham-Kent & Windsor Line Replacement!

Sent: Fri 26/10/2018 10:52 AM

Hi Ken,

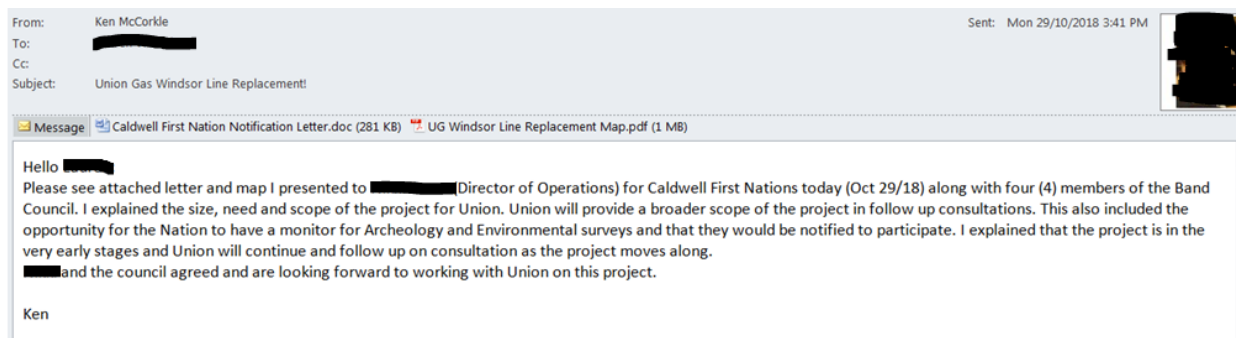
I will provide the copies for the Council. Aside from that I do not know how many attendees will be there.

Thank you,

[REDACTED]  
Director of Operations

Caldwell First Nation  
14 Orange Street  
Leamington | ON | N8H 1P5  
(519) 322-1766  
[\[REDACTED\]@caldwellfirstnation.ca](mailto:[REDACTED]@caldwellfirstnation.ca)

Attachment 2.4





Attachment 2.5

**From:** Ken McCorkle <[KMccorkle@uniongas.com](mailto:KMccorkle@uniongas.com)>  
**Sent:** April 17, 2019 9:25 PM  
**To:** [REDACTED]@caldwellfirstnation.ca; [REDACTED]@caldwellfirstnation.ca  
**Cc:** [REDACTED]@uniongas.com  
**Subject:** Windsor Line Replacement!

Hello [REDACTED]:

I trust this email finds you well!

As per our last correspondence I am following up to request time for a consultation regarding our Windsor Line Replacement. If you could respond with a couple of dates that will work for you I will make arrangements on my end? I will await your response!

Miiigwech,

Ken

**From:** [REDACTED]@caldwellfirstnation.ca]  
**Sent:** April-20-19 10:43 PM  
**To:** Ken McCorkle; [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** [External] RE: Windsor Line Replacement!

Hi Ken,

I have limited availability the first week in May or the second week. Let me know what works for you.

[REDACTED]

**From:** [REDACTED] <[REDACTED]@caldwellfirstnation.ca>  
**To:** [REDACTED]  
**Cc:** [REDACTED] <[REDACTED]@caldwellfirstnation.ca>; [REDACTED]; [REDACTED] McCorkle  
**Subject:** [External] Re: Enbridge Windsor Pipeline Replacement Project

Sent: Tue 30/04/2019 3:37 PM

Good afternoon [REDACTED],

CFN is interested in placing a monitor on this project, do you have an idea of how long this project will be and where specifically in Windsor will this be located? The information helps me to try and place a monitor in close proximity.

Miigwech,

[REDACTED]  
Senior Financial Officer  
Caldwell First Nation  
[REDACTED] <[REDACTED]@caldwellfirstnation.ca>  
519-322-1766 Work

Attached is a generalized map illustrated the broad study area. The actual area of impact (study area) is still being refined and we do not have a confirmed Stage 2 study area yet. We are hoping to finalize the Stage 2 area over the next couple of weeks. As for schedule, it is a bit of a floating target. We need to coordinate land access and utility locates, so I don't believe we will be able to assess/survey the entire study area in one mobilization. I anticipated 2 to 3 mobilizations, each requiring 2 to 3 days. As I get more information and we are able to refine the schedule, I'll be in touch with you and the appointed monitor.

Thanks!



Attachment 2.7

**From:** Ken McCorkle <[KMcCorkle@uniongas.com](mailto:KMcCorkle@uniongas.com)>  
**Sent:** June 3, 2019 2:09 PM  
**To:** [REDACTED] <[\[REDACTED\]@caldwellfirstnation.ca](mailto:[REDACTED]@caldwellfirstnation.ca)>; [REDACTED] <[\[REDACTED\]@caldwellfirstnation.ca](mailto:[REDACTED]@caldwellfirstnation.ca)>  
**Cc:** [REDACTED] <[\[REDACTED\]@uniongas.com](mailto:[REDACTED]@uniongas.com)>  
**Subject:** RE: [External] RE: Windsor Line Replacement!

Hello [REDACTED],

Would you be available for a consultation on June 12<sup>th</sup> regarding the Windsor Project?

Miigwech,

Ken

58

Attachment 2.9

**From:** [REDACTED] <[REDACTED]@caldwellfirstnation.ca>  
**Sent:** June-20-19 1:18 AM  
**To:** Ken McCorkle; [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: [External] RE: Windsor Line Replacement!

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you know the content is safe.

Hi [REDACTED]

I have some availability next week if that works.

[REDACTED]

---

**From:** Ken McCorkle  
**Sent:** June-20-19 9:15 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: [External] RE: Windsor Line Replacement!

Hello [REDACTED]

Thank you very much for your response:

Would you have be available on Monday (June 24<sup>th</sup>) at 11:00AM to go over the Windsor and Sarnia Projects?

We have and will be requesting monitors for this work and want to keep you informed of our progress.

Miigwech,

Ken

Attachment 2.10

**From:** [REDACTED] [mailto:[REDACTED]@stantec.com] Next Previous  
**Sent:** June-21-19 1:49 PM  
**To:** Email support; [REDACTED]; [mailto:[REDACTED]@caldwellfirstnation.ca]; Valerie George; Edith Barclay; [REDACTED]  
**Cc:** [REDACTED]; Ken McCorkle; [REDACTED]; [REDACTED]  
**Subject:** [External] RE: Enbridge Windsor Pipeline Replacement - Stage 2 Archaeology

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**

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Hi Everyone!

Thanks for your support during the Stage 2 work this past week. We will resume Stage 2 work next week as well. However, the weather forecast does not appear favourable for Monday. For now, let's plan to meet on **Tuesday morning for 9am** at the **Tim Hortons in Comber** again (see email string below for the address). I'll be keeping an eye on the weather forecast over the weekend and should any mobilization details change, I'll reach out to everyone again to provide an update.

Thanks again and have a great weekend!

[REDACTED]

Attachment 2.11

**From:** Ken McCorkle <[KMccCorkle@uniongas.com](mailto:KMccCorkle@uniongas.com)>  
**Sent:** June 24, 2019 2:01 PM  
**To:** [REDACTED] <[\[REDACTED\]@caldwellfirstnation.ca](mailto:[REDACTED]@caldwellfirstnation.ca)>; [REDACTED] <[\[REDACTED\]@caldwellfirstnation.ca](mailto:[REDACTED]@caldwellfirstnation.ca)>  
**Subject:** FW: [External] RE: Windsor Line Replacement!

Hello [REDACTED]

Just following up to arrange a meeting. Would Wednesday at 2:00PM work for a meeting?

Miigwech,

Ken

**From:** [REDACTED] <[\[REDACTED\]@caldwellfirstnation.ca](mailto:[REDACTED]@caldwellfirstnation.ca)>  
**Sent:** June-26-19 5:05 PM  
**To:** Ken McCorkle; [REDACTED]  
**Subject:** RE: [External] RE: Windsor Line Replacement!

[Next](#) [Previous](#)

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**

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Sorry Ken! We have been swamped lately. I have Monday, July 8 in the afternoon open or July 12. Please let me know if either of those work for you.

[REDACTED]

Director of Operations



**From:** Ken McCorkle  
**Sent:** June-26-19 5:17 PM  
**To:** [REDACTED]  
**Subject:** RE: [External] RE: Windsor Line Replacement!

[Next](#) [Previous](#)

Hello [REDACTED],

Thank you for the response. Yes Monday July 8<sup>th</sup> in the afternoon would work for me. I will speak to the Windsor and Sarnia projects at that time. Would 1:00PM or 20PM work? Or offer another time as I am open for the afternoon.

Miigwech,

Ken

On Tue, Jul 2, 2019 at 12:07 PM Ken McCorkle <[KMccorkle@uniongas.com](mailto:KMccorkle@uniongas.com)> wrote:

Hello [REDACTED],

Just following up on a time for next Monday. Would 12:00 Noon work for you? We can have a discussion over lunch regarding these projects to bring you up to date?

Miigwech,

Ken

Attachment 2.12

**From:** [REDACTED] [mailto:[REDACTED]@caldwellfirstnation.ca]  
**Sent:** July-04-19 11:09 AM  
**To:** Ken McCorkle  
**Cc:** [REDACTED]  
**Subject:** Re: FW: [External] RE: Windsor Line Replacement!

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**

This e-mail has originated from outside of the organization. Do not respond if the content is safe.

Hi Ken,

Would 1pm be ok with you?

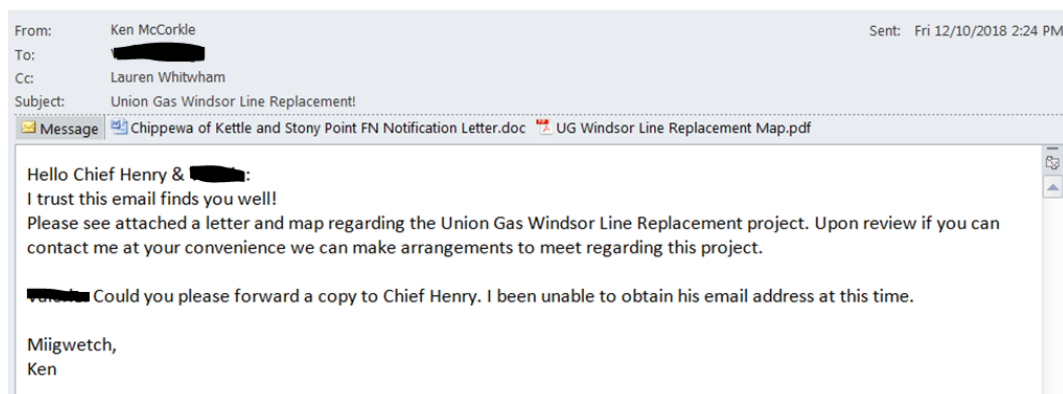
**From:** Ken McCorkle  
**To:** [REDACTED]  
**Cc:** Lauren Whitwham  
**Subject:** RE: FW: [External] RE: Windsor Line Replacement!

**Sent:** Thu 04/07/2019 11:18 AM

Hello [REDACTED]  
Yes 1PM will work. I will see you at 1PM Monday July 8<sup>th</sup> in your office on Orange Street.

Miigwech  
Ken

Attachment 3.1





Chief Jason Henry  
Chippewas of Kettle and Stony Point First Nation  
6247 Indian Lane  
Kettle and Stony Point First Nation, ON  
N0N 1J0

October 12, 2018

Re: Union Gas Windsor Line Replacement project

Dear Chief Henry,

Union Gas Limited has been bringing clean, reliable, and affordable natural gas service for more than a century to over 400 communities across Ontario.

Union Gas is proposing to replace approximately 59kms of existing NPS 10 inch diameter natural gas pipeline with a new NPS 6 inch diameter natural gas pipeline to continue to provide safe and reliable delivery of natural gas to the Windsor and Leamington area. The existing NPS 10 inch pipeline is proposed to be replaced with a smaller NPS 6 inch pipeline, which will be constructed in the vicinity of the existing pipeline. The proposed pipeline replacement is located entirely within the County of Essex, and will commence at Union's Comber Transmission Valve Site and end at the new station located in the vicinity of the intersection of County Rd 26 and 8<sup>th</sup> Concession Rd. A map indicating the proposed pipeline location project area is attached.

We would like to consult with your community on this proposed project. We are interested in your community's feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts to Aboriginal or treaty rights.

Union Gas has been delegated the procedural aspects for consultation by the Ministry of Energy on behalf of Ontario. Ministry officials are also available should you wish to contact them directly with any questions or concerns. Please contact:

Shereen Smithanik  
Senior Policy Advisor  
Ministry of Energy  
416-326-0513  
[Shereen.smithanik@ontario.ca](mailto:Shereen.smithanik@ontario.ca)

We would like to set up a meeting to discuss our project with you and provide you with an opportunity to express any questions or concerns you have. Please feel free to contact me at [kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com) or 519-365-0584 so we can set up a time to meet.

Miigwetch,

Ken McCorkle  
Manager, Indigenous Affairs  
[kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com)  
519-365-0584

PO Box 2001, 50 Keil Drive North, Chatham, Ontario N7M5M1 [www.uniongas.com](http://www.uniongas.com)  
Union Gas Limited

**From:** Valene George [mailto:[ValeneGeorge@kettlepoint.org](mailto:ValeneGeorge@kettlepoint.org)]  
**Sent:** October-12-18 2:41 PM  
**To:** Ken McCorkle  
**Cc:** [REDACTED], Jason Henry; [REDACTED]  
**Subject:** [External] RE: Union Gas Windsor Line Replacement!

Hello Ken

Thank you for reaching out. We will review the documents and get back to you with feedback/comment(s).  
As well, while I am not sure whether or not you are aware, I should inform you that Valene George is no longer employed with the First Nation. The newly appointed CKSPFN Band Manager is [REDACTED]. Respectfully, their emails are both noted below.

Jason Henry, Chief: [Jason.henry@kettlepoint.org](mailto:Jason.henry@kettlepoint.org)  
[REDACTED], Band Manager: [\[REDACTED\]@kettlepoint.org](mailto:[REDACTED]@kettlepoint.org)

Take care and I will contact you soon on the subject matter.

[REDACTED]

**From:** Ken McCorkle  
**To:** [REDACTED]  
**Cc:** Lauren Whitwham  
**Subject:** RE: Union Gas Windsor Line Replacement!

Sent: Fri 12/10/2018 2:53 PM

Hello [REDACTED]

Thank you for the quick response and forwarding the information you did. It is really appreciated. Have a great and safe weekend.

Miigwetch,  
Ken

*Ken McCorkle*  
Manager, Indigenous Affairs  
Union Gas Ltd.  
Phone: 519-436-4600 Ext.5002243  
Cell; 519-365-0584  
Toll Free: 877-293-6215  
Fax; 519-436-5392  
Email: [kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com)  
We can't change the past, but we can influence our future

Attachment 3.2

**From:** Valerie George [mailto:valerie.george@kettlepoint.org]  
**Sent:** November-01-18 11:42 AM  
**To:** Ken McCorkle  
**Subject:** [External] Schedule to Meet?

Good morning Ken

Hope you escaped the wrath of ghouls last evening.

I'm wondering if we can schedule to meet as discussed previously. I won't be available until after November 12<sup>th</sup>. Actually, other than Nov 14<sup>th</sup>, the rest of November is clear which is strange. At least thus far.

Let me know which date(s) work for you.

Just to let you know, capacity funding will a part of the discussions.

And, it's likely that it will just be myself there unless the portfolios are decided on for the Committee.

Thank you.

[REDACTED]

**From:** Ken McCorkle [mailto:KMMcCorkle@uniongas.com]  
**Sent:** November-01-18 1:08 PM  
**To:** [REDACTED]@kettlepoint.org>  
**Subject:** RE: Schedule to Meet?

Hello Valerie:

Thank you for the follow up email. Would Tuesday November 13<sup>th</sup> at 11:00 work for you?

Ken

From: [REDACTED]@kettlepoint.org> Sent: Thu 01/11/2018 1:18 PM  
To: Ken McCorkle  
Cc:  
Subject: [External] RE: Schedule to Meet?

It certainly works okay for me. I've booked the Council Chambers.  
See you November 13<sup>th</sup> at 11:00am, unless I hear otherwise.

[REDACTED]

Attachment 3.3

From: [REDACTED]@kettlepoint.org> Sent: Tue 13/11/2018 8:08 AM  
To: Ken McCorkle  
Cc:  
Subject: [External] Postponing meeting

Hi Ken. My committee has been selected so I'd like to reschedule for them to be present. Sorry for any inconvenience.  
[REDACTED]

Sent from my Samsung Galaxy smartphone.

Attachment 3.4

**From:** Ken McCorkle [<mailto:KMcCorkle@uniongas.com>] Next Last  
**Sent:** April-17-19 9:23 PM  
**To:** Jason Henry <[Jason.Henry@kettlepoint.org](mailto:Jason.Henry@kettlepoint.org)>; [REDACTED] <[REDACTED]@kettlepoint.org>; [REDACTED] <[REDACTED]@kettlepoint.org>  
**Cc:** [REDACTED] <[REDACTED]@uniongas.com>  
**Subject:** Windsor Line Replacement and Sarnia Projects!

Hello Chief Henry, [REDACTED]

I trust this email finds you well!

As per our last correspondence I am following up to request time for a consultation regarding our Windsor Line Replacement and Sarnia Projects. If you could respond with a couple of dates that will work for you I will make arrangements on my end? I will await your response!

Miigwech,  
Ken

**From:** [REDACTED] Next Previous  
**Sent:** April-18-19 11:14 AM  
**To:** Ken McCorkle <[KMcCorkle@uniongas.com](mailto:KMcCorkle@uniongas.com)>; Jason Henry <[Jason.Henry@kettlepoint.org](mailto:Jason.Henry@kettlepoint.org)>; [REDACTED] <[REDACTED]@kettlepoint.org>  
**Cc:** [REDACTED] <[REDACTED]@uniongas.com>  
**Subject:** RE: Windsor Line Replacement and Sarnia Projects!

Hi Ken,  
Can something on May 2, or May 9 work?  
Thanks,

[REDACTED]

[REDACTED]

Chippewas of Kettle and Stony Point First Nation  
W 519-786-2125  
C 519-333-9249



---

**From:** [REDACTED] <[REDACTED]@kettlepoint.org>  
**Sent:** April-23-19 10:10 AM  
**To:** [REDACTED]; Ken McCorkle; Jason Henry  
**Cc:** [REDACTED]  
**Subject:** [External] RE: Windsor Line Replacement and Sarnia Projects!

Good morning everyone

I am not available on the 9<sup>th</sup>, and I'm waiting to hear from CKSPFN's Consultation and Accommodation Committee for their participation. May 2<sup>nd</sup> is still a possibility.

I will re-issue communication with them and let you know as soon as possible.

Thank you.

[REDACTED]

Attachment 3.5

**From:** [REDACTED] <[REDACTED]@stantec.com>  
**Sent:** April-30-19 3:40 PM  
**To:** Jason Henry <Jason.Henry@kettlepoint.org>; [REDACTED] <[REDACTED]@kettlepoint.org>; [REDACTED] <[REDACTED]@kettlepoint.org>  
**Cc:** [REDACTED] <[REDACTED]@uniongas.com>; [REDACTED] <[REDACTED]@stantec.com>; [REDACTED] <[REDACTED]@uniongas.com>; [REDACTED] <[REDACTED]@uniongas.com>; [REDACTED] <[REDACTED]@stantec.com>; Ken McCorkle (KMCCorkle@uniongas.com) <KMCCorkle@uniongas.com>  
**Subject:** Enbridge Windsor Pipeline Replacement Project

Good Afternoon,

Further to the notice of commencement issued in February 2019, Stantec will be completing a Stage 2 archaeological assessment in support of Enbridge's Windsor Pipeline Replacement Project. We wish to invite a community member to join the Stantec archaeological team during the Stage 2 survey work. If you are interested in assisting on this project please let me know. Regarding payment, please contact [REDACTED] at [REDACTED]@stantec.com and arrangements will be made to provide a contract for review.

We are aiming to begin the Stage 2 survey in mid-May 2019. Once we have confirmed your attendance, we will provide further details regarding a meeting time, place, and required personal protective equipment.

Looking forward to hearing from you!  
 Thanks,

**From:** [REDACTED] <[REDACTED]@kettlepoint.org> Sent: Tue 30/04/2019 3:48 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]; [REDACTED]; Ken McCorkle; [REDACTED]  
**Subject:** [External] RE: Enbridge Windsor Pipeline Replacement Project

Good afternoon [REDACTED]

Thank you for reaching out. I will make contact with [REDACTED] regarding funds and an agreement. In the meantime, can you send me the location of the area(s) to be assessed?

Thank you.

[REDACTED]  
 CKSPFN Consultation Officer

**From:** [REDACTED] <[REDACTED]@stantec.com> Sent: Tue 30/04/2019 3:53 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]; [REDACTED]; Ken McCorkle; [REDACTED]  
**Subject:** [External] RE: Enbridge Windsor Pipeline Replacement Project

Message: 160961289\_ArchySt1\_Fig01\_StudyAreaOverview.pdf (2 MB)

Hi [REDACTED]

Attached is a generalized map illustrating the broad study area. The actual area of impact (study area) is still being refined and we do not have a confirmed Stage 2 study area yet. We are hoping to finalize the Stage 2 area over the next couple of weeks. As I get more information and we are able to refine the schedule, I'll be in touch with you and the appointed monitor.

Thanks!

[REDACTED]



Attachment 3.6

From: Ken McCorkle  
To: [REDACTED]  
Cc: [REDACTED]  
Subject: FW: Windsor Line Replacement and Sarnia Projects!

Sent: Mon 13/05/2019 4:12 PM [REDACTED]

Hello [REDACTED]  
Just following up if you had a couple of dates you could forward for a consultation regarding the Windsor and Sarnia projects?

Miigwech,  
Ken

---

**From:** [REDACTED] [mailto:[REDACTED]@kettlepoint.org]  
**Sent:** May-13-19 4:20 PM  
**To:** Ken McCorkle  
**Subject:** [External] RE: Windsor Line Replacement and Sarnia Projects!

Hi Ken

Can I throw out May 30 or 31<sup>st</sup>? Would either of those dates work for you?

[REDACTED]

---

**From:** Ken McCorkle [mailto:KMcCorkle@uniongas.com]  
**Sent:** May-13-19 4:26 PM  
**To:** Valerie [REDACTED] [mailto:[REDACTED]@kettlepoint.org]  
**Subject:** RE: Windsor Line Replacement and Sarnia Projects!

Hello [REDACTED]  
Would May 30<sup>th</sup> at 10AM work for you? Or another time better that day?

Ken

---

**From:** [REDACTED] [mailto:[REDACTED]@kettlepoint.org]  
**Sent:** May-13-19 4:29 PM  
**To:** Ken McCorkle  
**Subject:** [External] RE: Windsor Line Replacement and Sarnia Projects!

It would work for me. I'll "ink" it in. In the meantime, if you could send the projects again with updates that would be beneficial.

Don't forget, there will be fees for the meeting. Honorarium for participants and meeting facility fee.

If you have any questions please let me know.

Attachment 3.7

**From:** [REDACTED] [mailto:[REDACTED]@kettlepoint.org]  
**Sent:** May-28-19 10:33 PM  
**To:** Ken McCorkle  
**Subject:** [External] Postponement of May 30 2019 mtg

Hi Ken  
I'm postponing the meeting on Thursday. I'll reschedule once I can.  
[REDACTED]

Attachment 3.8

From: Ken McCorkle  
To: [REDACTED]  
Cc: [REDACTED]  
Subject: RE: Windsor Line Replacement and Sarnia Projects!

Sent: Thu 06/06/2019 3:00 PM

Hello [REDACTED]  
I am just following up to see if you had another date we could meet to discuss the Windsor and Sarnia Projects?

Miigwech,  
Ken

77



Attachment 3.10

**From:** [REDACTED]@stantec.com]  
**Sent:** June-21-19 1:49 PM  
**To:** Email support; [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** [External] RE: Enbridge Windsor Pipeline Replacement - Stage 2 Archaeology

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**

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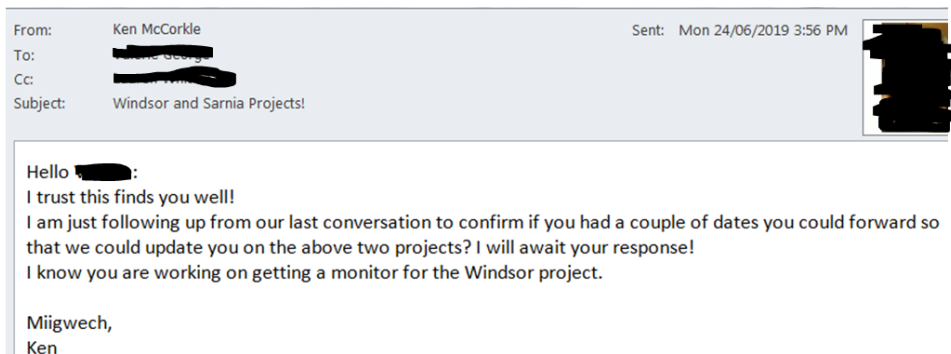
Hi Everyone!

Thanks for your support during the Stage 2 work this past week. We will resume Stage 2 work next week as well. However, the weather forecast does not appear favourable for Monday. For now, let's plan to meet on **Tuesday morning for 9am** at the **Tim Hortons in Comber** again (see email string below for the address). I'll be keeping an eye on the weather forecast over the weekend and should any mobilization details change, I'll reach out to everyone again to provide an update.

Thanks again and have a great weekend!

[REDACTED]

Attachment 3.11



Attachment 3.12

From: Ken McCorkle  
To: [REDACTED]  
Cc: [REDACTED]  
Subject: FW: Windsor and Sarnia Projects!

Sent: Tue 09/07/2019 2:52 PM

Hello [REDACTED]  
I am just following up to confirm if you had sometime to meet and discuss these two projects? Thank you for your responses to having monitors available. I will await your response.

Miigwech,  
Ken

*Ken McCorkle*  
Sr Advisor, Indigenous Affairs  
Enbridge Gas Inc. :Operating as Union Gas  
Phone: 519-436-4600 Ext.5002243

From: [REDACTED]@kettlepoint.org>  
To: Ken McCorkle  
Cc: Lauren Whitwham  
Subject: [External] RE: Windsor and Sarnia Projects!

Sent: Tue 09/07/2019 4:12

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**

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Forgot to let you know, referring back to your June 24<sup>th</sup> email, CKSPFN will not be sending a monitor to the Windsor Project, or likely the Sarnia project. I'll be speaking to the Committee on it. The proposed process was much too timely, and frustrating.

Also, there will of course be costs incurred for the meeting later in July. Should be between 475.00 – 600.00. Capacity and facility fee.

Attachment 3.13

**From:** [REDACTED]@kettlepoint.org]  
**Sent:** July-11-19 8:56 AM  
**To:** Ken McCorkle  
**Subject:** [External] Sarnia Windsor Projects

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**

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Good morning Ken

I have a couple of dates in July to meet. Unfortunately, they aren't what you were opting for. The dates we have are July 26 or 30<sup>th</sup>. Otherwise it may have to wait until August which I understand is wide open to-date.

Let me know your thoughts.

Thank you.

[REDACTED]  
 Consultation Officer

**From:** Ken McCorkle  
**To:** [REDACTED]  
**Cc:** Lauren Whitwham  
**Subject:** RE: Sarnia Windsor Projects  
**Sent:** Sat 13/07/2019 10:25 AM

Message [REDACTED] IS1\_Boards\_20190214\_fin\_rev-1-opt.pdf (13 MB) [REDACTED] Sarnia Industrial Project.pdf (2 MB)

Hello [REDACTED]

Thank you for the response as we follow up with you regarding the Windsor and Sarnia projects. Would you have a time that we could meet during the week of August 12<sup>th</sup>?

I have enclosed a copy of the Windsor project (Attachment #1) and a copy of the Sarnia Project (Attachment #2) for your review. If there are any questions in the interim please do not hesitate to contact me. Looking forward to your response.

Miigwech  
 Ken

*Ken McCorkle*

Sr Advisor, Indigenous Affairs  
 Enbridge Gas Inc. :Operating as Union Gas  
 Phone: 519-436-4600 Ext.5002243  
 Cell: 519-365-0584  
 Toll Free: 877-293-6215  
 Email: [kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com)

We can't change the past, but we can influence our future

**From:** Valerie George [mailto:valerie.george@kettlepoint.org]  
**Sent:** August-01-19 1:16 PM  
**To:** Ken McCorkle  
**Cc:** Lauren Whitwham  
**Subject:** [External] RE: Sarnia Windsor Projects

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**

This e-mail has originated from outside of the organization. Do not respond, click on links you recognize the sender or know the content is safe.

Good afternoon Ken

The Committee has available August 12 or 13<sup>th</sup>. Might either of these days work for you?

Valerie

**From:** Ken McCorkle [mailto:KMMcCorkle@uniongas.com]  
**Sent:** August-01-19 2:48 PM  
**To:** Valerie George [mailto:valerie.george@kettlepoint.org]  
**Cc:** Lauren Whitwham [mailto:lauren.whitwham@uniongas.com]  
**Subject:** RE: Sarnia Windsor Projects

Hello Valerie

Thank you for your response! August 12<sup>th</sup> will work.....do you have a time that works for you on the 12<sup>th</sup>?

Ken

**From:** Valerie George [mailto:valerie.george@kettlepoint.org]  
**To:** Ken McCorkle  
**Cc:** Lauren Whitwham  
**Subject:** [External] RE: Sarnia Windsor Projects  
**Sent:** Thu 01/08/2019 4:36 PM

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**  
This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hello Ken

Ideally, Monday August 12<sup>th</sup> at 1:30pm works for us.  
The meeting location would be the Council Chambers.

Can you confirm that this works for you?

Valerie

**From:** Ken McCorkle  
**To:** Valerie George  
**Cc:** Lauren Whitwham  
**Subject:** RE: Sarnia Windsor Projects  
**Sent:** Thu 01/08/2019 4:43 PM

Hello Ken

Yes Monday August 12<sup>th</sup> @ 1:30 in the Council Chambers will work!  
Thanks for responding and looking forward to meeting you again,

Miigwech,  
Ken

Attachment 4.1





Chief Myeengun Henry  
Chippewas of the Thames First Nation  
320 Chippewa Road  
Muncey, ON N0L1Y0

October 12, 2018

Re: Union Gas Windsor Line Replacement project

Dear Chief Henry,

Union Gas Limited has been bringing clean, reliable, and affordable natural gas service for more than a century to over 400 communities across Ontario.

Union Gas is proposing to replace approximately 59kms of existing NPS 10 inch diameter natural gas pipeline with a new NPS 6 inch diameter natural gas pipeline to continue to provide safe and reliable delivery of natural gas to the Windsor and Leamington area. The existing NPS 10 inch pipeline is proposed to be replaced with a smaller NPS 6 inch pipeline, which will be constructed in the vicinity of the existing pipeline. The proposed pipeline replacement is located entirely within the County of Essex, and will commence at Union's Comber Transmission Valve Site and end at the new station located in the vicinity of the intersection of County Rd 26 and 8<sup>th</sup> Concession Rd. A map indicating the proposed pipeline location project area is attached.

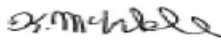
We would like to consult with your community on this proposed project. We are interested in your community's feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts to Aboriginal or treaty rights.

Union Gas has been delegated the procedural aspects for consultation by the Ministry of Energy on behalf of Ontario. Ministry officials are also available should you wish to contact them directly with any questions or concerns. Please contact:

Shereen Smithanik  
Senior Policy Advisor  
Ministry of Energy  
416-326-0513  
Shereen.smithanik@ontario.ca

We would like to set up a meeting to discuss our project with you and provide you with an opportunity to express any questions or concerns you have. Please feel free to contact me at [kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com) or 519-365-0584 so we can set up a time to meet.

Miigwetch,

  
Ken McCorkle  
Manager, Indigenous Affairs  
[kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com)  
519-365-0584

PO Box 2001, 50 Keil Drive North, Chatham, Ontario N7M5M1 [www.uniongas.com](http://www.uniongas.com)  
Union Gas Limited

**From:** Myeengun Henry [<mailto:myeengun@cottfn.com>]  
**Sent:** October-12-18 3:42 PM  
**To:** Ken McCorkle; [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** [External] RE: Union Gas Windsor Line Replacement!

Hi Ken

Yes, we need to meet soon. Maybe within the next two weeks?

Myeengun

---

**From:** Ken McCorkle  
**To:** Myeengun Henry; [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: Union Gas Windsor Line Replacement!

Sent: Mon 15/10/2018 11:38 AM

Hello Chief Henry:  
Thank you for your response and I will follow up with a phone call to set up a time to meet with you.

Miigwetch,  
Ken



Attachment 4.2

---

**From:** Fallon, Sarah [mailto:[sarah.fallon@cottfn.com](mailto:sarah.fallon@cottfn.com)]  
**Sent:** February-20-19 2:18 PM  
**To:** Ken McCorkle  
**Cc:** [REDACTED]  
**Subject:** [External] Windsor Pipeline Replacement Project

Good afternoon Ken,

Thank you for notifying COTTFN of your upcoming Information Sessions. I have attached a letter of response in regards to the notification. I have also attached our Consultation Protocol which includes the fee schedule, please keep this in mind moving forward and for future projects.

If you have any questions please do not hesitate to contact me.

Thanks,



## CHIPPEWAS OF THE THAMES FIRST NATION

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February 20, 2019

VIA EMAIL

Ken McCorkle  
Manager, Indigenous Affairs  
Enbridge Gas Incorporated  
50 Keil Drive  
North Chatham, ON N7M 5M1

**RE: Windsor Pipeline Replacement Project**

Dear Mr. McCorkle,

The Windsor Pipeline Replacement Project is located within the Mckee Treaty Area (1790) to which Chippewas of the Thames First Nation (COTTfN) is a signatory. The project is also located within the Big Bear Creek Additions to Reserve (ATR) land selection area, as well as COTTfN Traditional Territory.

Thank you for the Notifying us of the upcoming information sessions. However, a representative from our First Nation is unable to attend. Please forward all information shared, future notifications and reports for this project via e-mail at [consultation@cottfn.com](mailto:consultation@cottfn.com). We also ask that if there are any changes to this Study that are of a substantive nature that you keep us informed.

We look forward to continuing this open line of communication. Thank you for notifying Chippewas of the Thames First Nation.

Please do not hesitate to contact me if you need further clarification of this letter.

Sincerely,

A redacted signature, likely of a Chippewas of the Thames First Nation representative, with a blue ink flourish.

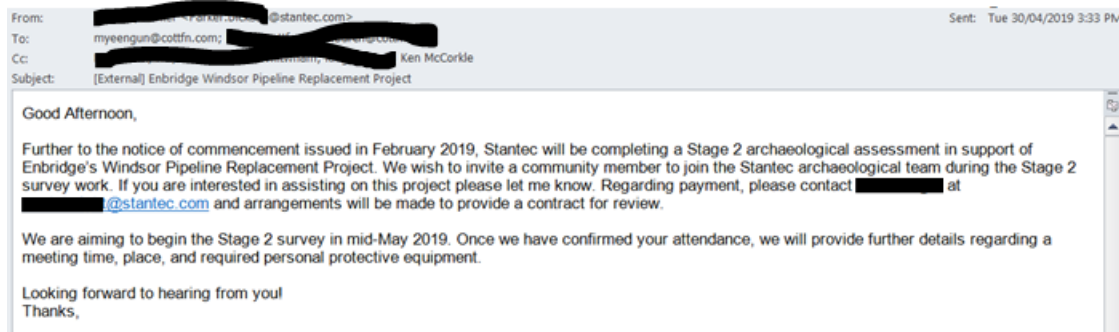
Consultation Coordinator  
Chippewas of the Thames First Nation  
(519) 289-5555 Ext. 251  
[consultation@cottfn.com](mailto:consultation@cottfn.com)

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320 Chippewa Road, Muncey, ON, N0L 1Y0  
Ph. 519-289-5555 Fax. 519-289-2230  
[info@cottfn.com](mailto:info@cottfn.com) [www.cottfn.com](http://www.cottfn.com)

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Attachment 4.3



Attachment 4.4

**From:** Ken McCorkle <[KMccorkle@uniongas.com](mailto:KMccorkle@uniongas.com)>  
**Sent:** May 9, 2019 9:01 AM  
**To:** [REDACTED] <[\[REDACTED\]@cottfn.com](mailto:[REDACTED]@cottfn.com)>  
**Cc:** [REDACTED] <[\[REDACTED\]@uniongas.com](mailto:[REDACTED]@uniongas.com)>  
**Subject:** Consultation for the Windsor Project

Hello [REDACTED]

Would you have a couple of dates you could offer to meet for a consultation regarding the Windsor and Sarnia projects?

Miigwech,  
Ken

**From:** [REDACTED] <[\[REDACTED\]@cottfn.com](mailto:[REDACTED]@cottfn.com)>  
**Sent:** May-09-19 9:44 AM  
**To:** Ken McCorkle  
**Subject:** [External] RE: Consultation for the Windsor Project

Good morning Ken,

We are booking for June, as of right now I am available June 10<sup>th</sup>, 11<sup>th</sup> or 14<sup>th</sup> and am free the week of 17<sup>th</sup> – 20<sup>th</sup> 10 am – 12 or 1:30- 3. Please let me know what date and time works best and I will schedule you in.

Look forward to seeing you,



[REDACTED]  
**Consultation Coordinator, Chippewas of the Thames First Nation**  
320 Chippewa Rd Muncey, ON N0L 1Y0 | 519-289-5555 | [www.cottfn.com/consultation](http://www.cottfn.com/consultation)

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From: Ken McCorkle  
To: [REDACTED]  
Cc: Ryan Park; Lauren Whitwham  
Subject: RE: Consultation for the Windsor Project

Sent: Fri 10/05/2019 3:29 PM

Hello [REDACTED]

Thank you for the return email. We would like to book June 17<sup>th</sup> @ 10AM with you for a presentation of the Windsor and Sarnia projects? Please confirm and we will put it in our calendars!

Miigwech  
Ken

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Attachment 4.6

**From:** [REDACTED]@stantec.com]  
**Sent:** June-21-19 1:49 PM  
**To:** Email support; [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** [External] RE: Enbridge Windsor Pipeline Replacement - Stage 2 Archaeology

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

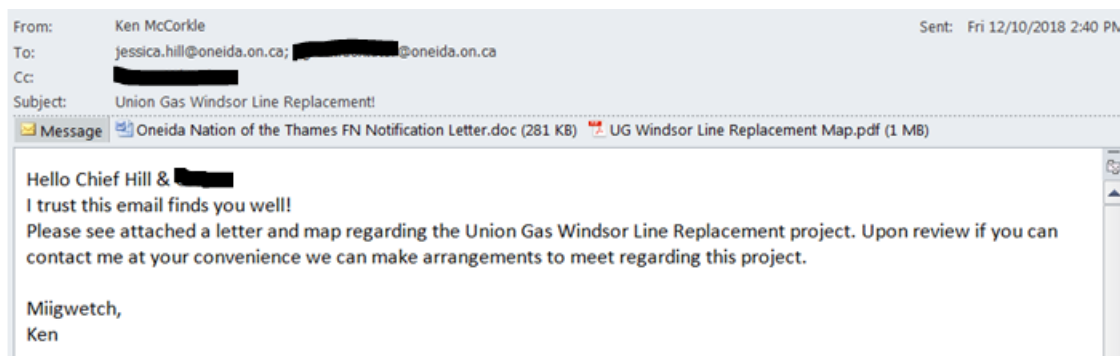
Hi Everyone!

Thanks for your support during the Stage 2 work this past week. We will resume Stage 2 work next week as well. However, the weather forecast does not appear favourable for Monday. For now, let's plan to meet on **Tuesday morning for 9am** at the **Tim Hortons in Comber** again (see email string below for the address). I'll be keeping an eye on the weather forecast over the weekend and should any mobilization details change, I'll reach out to everyone again to provide an update.

Thanks again and have a great weekend!

[REDACTED]

Attachment 5.1







Chief Jessica Hill  
Oneida Nation of the Thames  
RR 2  
Southwold, ON N0L 2G0

October 12, 2018

Re: Union Gas Windsor Line Replacement project

Dear Chief Hill,

Union Gas Limited has been bringing clean, reliable, and affordable natural gas service for more than a century to over 400 communities across Ontario.

Union Gas is proposing to replace approximately 59kms of existing NPS 10 inch diameter natural gas pipeline with a new NPS 6 inch diameter natural gas pipeline to continue to provide safe and reliable delivery of natural gas to the Windsor and Leamington area. The existing NPS 10 inch pipeline is proposed to be replaced with a smaller NPS 6 inch pipeline, which will be constructed in the vicinity of the existing pipeline. The proposed pipeline replacement is located entirely within the County of Essex, and will commence at Union's Comber Transmission Valve Site and end at the new station located in the vicinity of the intersection of County Rd 26 and 8<sup>th</sup> Concession Rd. A map indicating the proposed pipeline location project area is attached.

We would like to consult with your community on this proposed project. We are interested in your community's feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts to Aboriginal or treaty rights.

Union Gas has been delegated the procedural aspects for consultation by the Ministry of Energy on behalf of Ontario. Ministry officials are also available should you wish to contact them directly with any questions or concerns. Please contact:

Shereen Smithanik  
Senior Policy Advisor  
Ministry of Energy  
416-326-0513  
Shereen.smithanik@ontario.ca

We would like to set up a meeting to discuss our project with you and provide you with an opportunity to express any questions or concerns you have. Please feel free to contact me at [kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com) or 519-365-0584 so we can set up a time to meet.

Miigwetch,

Ken McCorkle  
Manager, Indigenous Affairs  
[kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com)  
519-365-0584

PO Box 2001, 50 Keil Drive North, Chatham, Ontario N7M5M1 [www.uniongas.com](http://www.uniongas.com)  
Union Gas Limited

Attachment 5.2

**From:** Ken McCorkle [<mailto:KMccorkle@uniongas.com>]  
**Sent:** April-17-19 9:10 PM  
**To:** Chief Jessica Hill; Oneida Environment  
**Cc:** [REDACTED]  
**Subject:** Windsor Line Replacement and Sarnia Projects!

Hello

I trust this email finds you well!

As per our last correspondence I am following up to request time for a consultation regarding our Windsor Line Replacement and Sarnia Projects. If you could respond with a couple of dates that will work for you I will make arrangements on my end? I will await your response!

Miigwech,  
Ken

**From:** Oneida Environment [<mailto:environment@oneida.on.ca>]  
**Sent:** April-18-19 10:21 AM  
**To:** Ken McCorkle; Chief Jessica Hill  
**Cc:** [REDACTED]  
**Subject:** [External] RE: Windsor Line Replacement and Sarnia Projects!

Sheko:li Ken,

Yes, tentative dates for Oneida Chief and Council meetings for May are as follows;

Monday May 6<sup>th</sup>, 6pm  
Monday May 13<sup>th</sup>, 6pm  
Saturday May 25<sup>th</sup>, 9am

Please let me know which dates work for you and I can get that scheduled.

Thank you, have a great day

[REDACTED]  
*Environment Coordinator*  
*Oneida Public Works*  
*2706 Nicholas Rd, Oneida*  
*(519)-652-6922*

Attachment 5.3

**From:** Ken McCorkle [mailto:KMCCorkle@uniongas.com]  
**Sent:** April-24-19 4:01 PM  
**To:** Oneida Environment; Chief Jessica Hill  
**Cc:** [REDACTED]  
**Subject:** RE: Windsor Line Replacement and Sarnia Projects!

Hello [REDACTED]  
Myself and our Environmental planner can attend on May 6<sup>th</sup> at 6PM to present on the Windsor and Sarnia projects. If you could set aside one hour this will cover it off for us. I am working with our Engineer to bring a presentation regarding possibly bringing Natural Gas to the Reserve. We can discuss an appropriate date on the May 6th meeting if you like?  
I will await your confirmation on the May 6<sup>th</sup> time?

Miigwech,  
Ken

**From:** Oneida Environment [mailto:environment@oneida.on.ca]  
**Sent:** April-25-19 1:40 PM  
**To:** Ken McCorkle; Chief Jessica Hill  
**Cc:** [REDACTED]  
**Subject:** [External] RE: Windsor Line Replacement and Sarnia Projects!

Hello Ken

That is great, I have arranged for you to present to Chief and Council on May 6<sup>th</sup> at 6:15pm for 1 hour. And yes, we can have a preliminary discussion about potential projects and see if they are interested at meeting, and then bring back actual presentation afterwards.

Yaw^ko,

[REDACTED]  
*Environment and Consultation Coordinator*  
*Oneida Public Works*  
*2706 Nicholas Rd, Oneida*  
*(519)-652-6922*

**From:** Ken McCorkle  
**To:** Oneida Environment; Chief Jessica Hill  
**Cc:** [REDACTED]  
**Subject:** RE: Windsor Line Replacement and Sarnia Projects!

Sent: Thu 25/04/2019 4:51 PM

Hello [REDACTED]  
Thank you and we will see you on the 6<sup>th</sup> at 6:15,  
  
Miigwech,  
Ken

Attachment 5.4

**From:** [REDACTED]@stantec.com]  
**Sent:** April-30-19 3:33 PM  
**To:** Chief Jessica Hill; Oneida Environment  
**Cc:** [REDACTED] Ken McCorkle (KMcCorkle@uniongas.com)  
**Subject:** Enbridge Windsor Pipeline Replacement Project

Good Afternoon,

Further to the notice of commencement issued in February 2019, Stantec will be completing a Stage 2 archaeological assessment in support of Enbridge's Windsor Pipeline Replacement Project. We wish to invite a community member to join the Stantec archaeological team during the Stage 2 survey work. If you are interested in assisting on this project please let me know. Regarding payment, please contact [REDACTED] at [REDACTED]@stantec.com and arrangements will be made to provide a contract for review.

We are aiming to begin the Stage 2 survey in mid-May 2019. Once we have confirmed your attendance, we will provide further details regarding a meeting time, place, and required personal protective equipment.

Looking forward to hearing from you!  
 Thanks,

[REDACTED]  
 Associate, Senior Archaeologist  
 Environmental Services

*Ken McCorkle*  
 Sr Advisor, Indigenous Affairs  
 Enbridge Gas Inc. :Operating as Union Gas

**From:** Oneida Environment <environment@oneida.on.ca> **Sent:** Wed 08/05/2019 2:57 PM  
**To:** [REDACTED] Chief Jessica Hill; [REDACTED]  
**Cc:** [REDACTED], [REDACTED] Ken McCorkle  
**Subject:** [External] RE: Enbridge Windsor Pipeline Replacement Project

Hello,

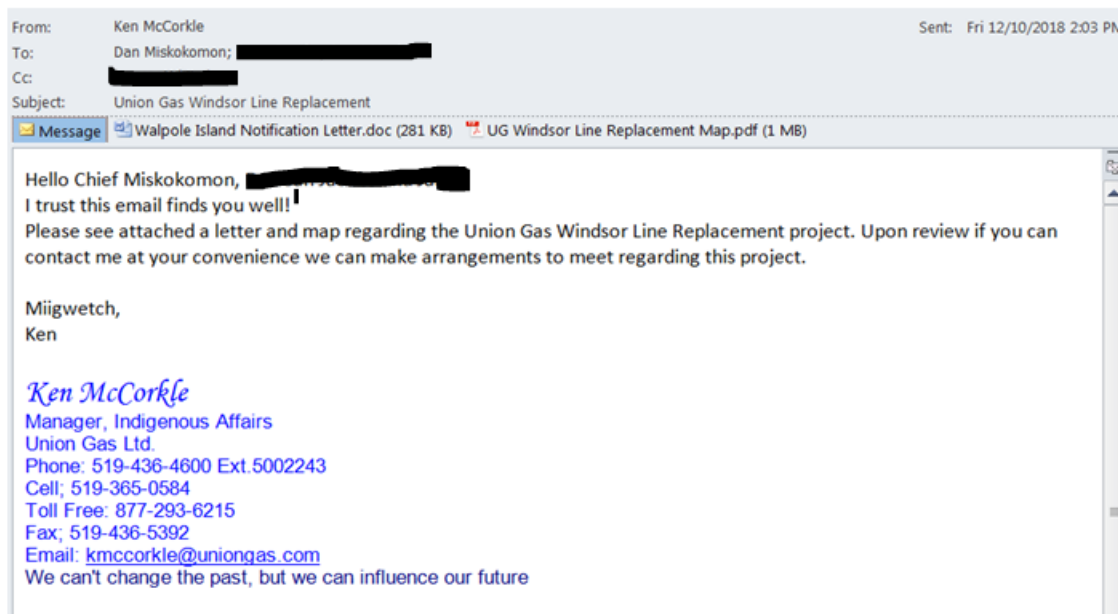
Yes, Oneida Nation of the Thames would be interested in sending a representative to attend the Stage 2 archaeological monitoring for the Windsor Pipeline Replacement Project. I will await for further details.

Thank you,

[REDACTED]  
 Environment and Consultation Coordinator  
 Oneida Public Works  
 2706 Nicholas Rd, Oneida  
 (519)-652-6922

Correspondence: Oneida Island First Nation

Attachment 6.1





Chief Dan Miskokomon  
Walpole Island First Nation  
RR#3  
Walpole Island, ON N8A4K9

October 12, 2018

Re: Union Gas Windsor Line Replacement project

Dear Chief Miskokomon,

Union Gas Limited has been bringing clean, reliable, and affordable natural gas service for more than a century to over 400 communities across Ontario.

Union Gas is proposing to replace approximately 59kms of existing NPS 10 inch diameter natural gas pipeline with a new NPS 6 inch diameter natural gas pipeline to continue to provide safe and reliable delivery of natural gas to the Windsor and Leamington area. The existing NPS 10 inch pipeline is proposed to be replaced with a smaller NPS 6 inch pipeline, which will be constructed in the vicinity of the existing pipeline. The proposed pipeline replacement is located entirely within the County of Essex, and will commence at Union's Comber Transmission Valve Site and end at the new station located in the vicinity of the intersection of County Rd 26 and 8<sup>th</sup> Concession Rd. A map indicating the proposed pipeline location project area is attached.

We would like to consult with your community on this proposed project. We are interested in your community's feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts to Aboriginal or treaty rights.

Union Gas has been delegated the procedural aspects for consultation by the Ministry of Energy on behalf of Ontario. Ministry officials are also available should you wish to contact them directly with any questions or concerns. Please contact:

Shereen Smithanik  
Senior Policy Advisor  
Ministry of Energy  
416-326-0513  
Shereen.smithanik@ontario.ca

We would like to set up a meeting to discuss our project with you and provide you with an opportunity to express any questions or concerns you have. Please feel free to contact me at [kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com) or 519-365-0584 so we can set up a time to meet.

Miigwetch,

Ken McCorkle  
Manager, Indigenous Affairs  
[kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com)  
519-365-0584

PO Box 2001, 50 Keil Drive North, Chatham, Ontario N7M5M1 [www.uniongas.com](http://www.uniongas.com)  
Union Gas Limited

Attachment 6.2

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**From:** Ken McCorkle  
**Sent:** April-17-19 9:07 PM  
**To:** 'Dan Miskokomon'; [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Windsor Line Replacement and Sarnia Projects!

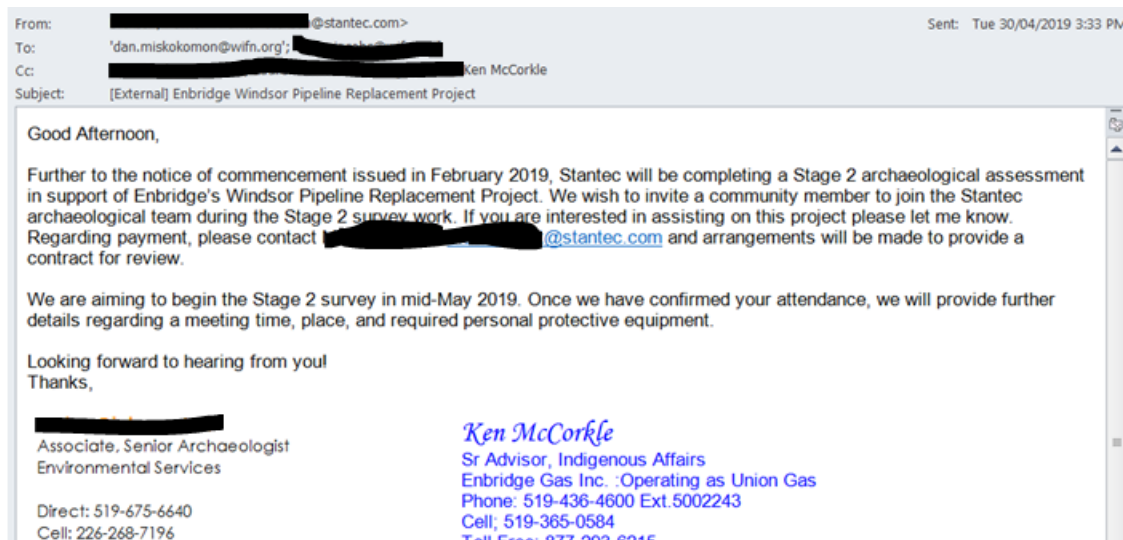
Hello Chief Miskokomon, [REDACTED]

I trust this email finds you well!

As per our last correspondence I am following up to request time for a consultation regarding our Windsor Line Replacement and Sarnia Projects. If you could respond with a couple of dates that will work for you I will make arrangements on my end? I will await your response!

Miigwech,  
Ken

Attachment 6.3





Attachment 6.4

**From:** Ken McCorkle  
**Sent:** May-02-19 9:13 AM  
**To:** [REDACTED]  
**Cc:** 'Dan Miskokomon'; [REDACTED]  
**Subject:** FW: Windsor Line Replacement and Sarnia Projects!

Hello [REDACTED] and [REDACTED]  
I am just following up to confirm a date for a consultation on the Windsor and Sarnia projects that we are looking into. Would you have a couple dates that you could forward?

Miigwech,  
Ken

*Ken McCorkle*  
Sr Advisor, Indigenous Affairs  
Enbridge Gas Inc. : Operating as Union Gas  
Phone: 519-436-4600 Ext.5002243  
Cell: 519-365-0584  
Toll Free: 877-293-6215  
Email: [kmccorkle@uniongas.com](mailto:kmccorkle@uniongas.com)

Attachment 6.5

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**From:** Ken McCorkle  
**Sent:** May-17-19 3:14 PM  
**To:** '[REDACTED]'  
**Cc:** 'Dan Miskokomon'; [REDACTED]  
**Subject:** RE: Windsor Line Replacement and Sarnia Projects!

Hello [REDACTED]:

Thank you for your time yesterday at our facility in Chatham. As per our conversation I am forwarding you a couple of possible dates that we could meet to address the Windsor and Sarnia projects. I have available the following two dates of May 28<sup>th</sup> or May 29<sup>th</sup> at any time you choose. If these dates are not workable please let me know of a couple that will work for you and I will confirm. Again it was great to meet and speak with you yesterday!

Miigwech,  
Ken

Attachment 6.6

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**From:** Ken McCorkle <[KMMcCorkle@uniongas.com](mailto:KMMcCorkle@uniongas.com)>  
**Sent:** May 22, 2019 8:56 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** FW: Windsor Line Replacement and Sarnia Projects!

Hello [REDACTED]

Just following up as I do not want to over book. If you are not available for the May 28<sup>th</sup> or 29<sup>th</sup> I noticed you are open on June 10<sup>th</sup> as per your email to Herb Shields. If the 28<sup>th</sup> or 29<sup>th</sup> does not work are you open on June 10<sup>th</sup> to meet regarding the Sarnia and Windsor Projects? Let me know the best time for you?

Miigwech,  
Ken

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**From:** Ken McCorkle <[KMMcCorkle@uniongas.com](mailto:KMMcCorkle@uniongas.com)>  
**Sent:** May 22, 2019 8:56 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** FW: Windsor Line Replacement and Sarnia Projects!

Hello [REDACTED]

Just following up as I do not want to over book. If you are not available for the May 28<sup>th</sup> or 29<sup>th</sup> I noticed you are open on June 10<sup>th</sup> as per your email to Herb Shields. If the 28<sup>th</sup> or 29<sup>th</sup> does not work are you open on June 10<sup>th</sup> to meet regarding the Sarnia and Windsor Projects? Let me know the best time for you?

Miigwech,  
Ken

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**From:** [REDACTED] <[\[REDACTED\]@wifn.org](mailto:[REDACTED]@wifn.org)>  
**Sent:** May-22-19 9:00 AM  
**To:** Ken McCorkle  
**Cc:** [REDACTED]  
**Subject:** [External] Re: Windsor Line Replacement and Sarnia Projects!

Hi Ken,

I'm not available on the 28th or 29th, but would be on June 10th to meet. If we could do both meetings back to back then that would be ideal.

Thanks,  
[REDACTED]

**From:** Ken McCorkle <[KMccorkle@uniongas.com](mailto:KMccorkle@uniongas.com)>

[Next](#) [Previous](#)

**Sent:** May 22, 2019 9:05 AM

**To:** [REDACTED]

**Cc:** [REDACTED] Whitburn

**Subject:** RE: Windsor Line Replacement and Sarnia Projects!

I will schedule our meeting for 10:00AM to 11:00AM for the Sarnia/Windsor consultation. You can work with Herb to determine his time. If this does not work for you let me know and we can change the time. At least this way we have a set time and a stake in the ground to work from.

Ken

**From:** [REDACTED] <[Janet.McCorkle@wfn.org](mailto:Janet.McCorkle@wfn.org)>

**Sent:** Wed 22/05/2019 9:07 AM

**To:** Ken McCorkle

**Cc:** [REDACTED]

**Subject:** [External] Re: Windsor Line Replacement and Sarnia Projects!

Sounds good.

Thanks,

[REDACTED]

Attachment 6.7

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**From:** [REDACTED] <[REDACTED]@wifn.org>  
**Sent:** June-10-19 4:39 PM  
**To:** Ken McCorkle  
**Subject:** [External] Council Attendance

Ken

July 9th (evening meeting) Council is available. Can you and [REDACTED] attend for updates on the Windsor and Line 5 replacement projects? Also, see golf poster attachment as promised.

[REDACTED]

---

From: Ken McCorkle <[KMMcCorkle@uniongas.com](mailto:KMMcCorkle@uniongas.com)>  
Date: 2019-06-25 8:39 a.m. (GMT-05:00)  
To: [REDACTED] <[REDACTED]@wifn.org>  
Subject: RE: Council Attendance

Hello [REDACTED]

Thank you for your time regarding the ongoing work we have. I am not sure if I responded back but just want to be sure. Are we on for the July 9th council meeting?

I also have signed up myself and [REDACTED] to participate in the golf tournament you mentioned and forwarded!

Miigwech,  
Ken

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**From:** [REDACTED]  
**Sent:** Tuesday, June 25, 2019 9:38 AM  
**To:** Ken McCorkle  
**Subject:** Re: Council Attendance

Yes, July 9th around 7pm.

**From:** [REDACTED]@wifn.org]  
**Sent:** July-03-19 4:11 PM  
**To:** Ken McCorkle  
**Subject:** [External] Re: Council Attendance

**EXTERNAL: PLEASE PROCEED WITH CAUTION.**

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Hi Ken

Your presentation to WIFN Chief and Council has been rescheduled to August 13th. I won't be able to golf next week due to other prior commitments. Enjoy your golf outing.

[REDACTED]