

# Memo



**To:** Ontario Pipeline Coordinating Committee  
**From:** Natalie Taylor, Dillon Consulting Limited  
**cc:** Daniel Nseyo, Enbridge Gas Inc.  
Mark Dinner, Enbridge Gas Inc.  
**Date:** November 21, 2023  
**Subject:** East Gwillimbury Community Expansion Project – Warden Avenue Station Relocation  
**Our File:** 22-5034

Enbridge Gas Inc. (Enbridge Gas) retained the services of Dillon Consulting Limited (Dillon), an independent environmental consultant, to complete an Environmental Report (ER) for the proposed East Gwillimbury Community Expansion Project (the Project). On September 11, 2023, Dillon submitted the draft ER to the Ontario Pipeline Coordinating Committee (OPCC) for review and comment in accordance with the Ontario Energy Board (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Projects and Facilities in Ontario, 8th edition (2023)*.

The Project was selected by the Ontario Government as part of the Natural Gas Expansion Program. Enbridge Gas is proposing to construct a natural gas pipeline in the Town of East Gwillimbury to expand access of natural gas to residences and businesses. As per the notification email sent on September 11, 2023, if approved by the OEB, construction of the Project is anticipated to begin in summer 2024.

During the OPCC 42-day review period of the draft ER, comments were provided to Dillon for incorporation into the final ER to be submitted with the Leave-to-Construct Application to the OEB. An update was made to the Preferred Route in October 2023 following the submission of the draft ER to the OPCC, and was made following Enbridge's review of land accessibility and station construction feasibility. The location of the proposed station along Warden Avenue provided in the draft ER has been moved approximately 100 metres (m) south along Warden Avenue, remaining within the municipal right-of-way (ROW). The updated location and associated updates incorporated into the final ER are outlined below.

## Station Location Update

The original and updated proposed station location along Warden Avenue is shown on **Figure 1** (attached). A footprint layout has not yet been determined; however, the approximate dimensions are anticipated to be 1.5 m wide, 1.8 m long and 1.2 m in height, protected by concrete filled bollards/posts. The updated station location was chosen mainly due to the location of the existing extra-high pressure (XHP) gas main, as well as available property south of the Harrison Creek crossing along Warden Avenue in comparison to the north of the Harrison Creek crossing where the station was originally proposed. Additionally, a wider ROW is available for the station footprint south of Harrison Creek at the updated proposed station location.

The station in the proposed updated location will be installed based on the location of existing gas infrastructure. The updated station location will allow Enbridge Gas to cross Harrison Creek with an intermediate pressure polyethylene (PE) pipe rather than with an XHP steel pipe.

## Environmental Report Updates

The following updates were made to the ER to reflect and address the change made to the proposed updated station location along Warden Avenue.

1. Updates to 11 figure sets provided in the ER, including: Figures 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12 (**Attachment A-2**); no updates were necessary/required for Figure 9 (Socio-economic Features).
2. Updated area calculations for Figure 8 to account for Ecological Land Classification Communities that were captured within the updated Project Footprint and Study Area. This included communities listed in Table 5 in the draft ER. Previous calculations, and updated calculations are provided below:

**Table 1: Ecological Land Classification (ELC) Communities within the Project Footprint and Study Area**

ELC Community Code	ELC Community Type	Warden Ave. Station (September 2023)		Warden Ave. Station (October 2023)	
		Area (hectare [ha])		Area (hectare [ha])	
		Study Area	Project Footprint	Study Area	Project Footprint
<b>Cultural</b>					
CVI_1	Transportation	87.54	66.79	87.73	67.01
CVR_4	Rural Property	238.05	50.29	238.41	50.57
OAGM1	Annual Row Crop	133.3	21.28	134.06	21.28
<b>Natural (Upland)</b>					
<b>Forest</b>					
FOC	Coniferous Forest	0.39	0.00	0.89	0.00
FOMM5	Dry-Fresh White Birch-Poplar-Conifer Mixed Forest	6.51	0.95	15.09	2.26
<b>Swamp</b>					
SWMM1	White Cedar Mineral Mixed Swamp	9.15	1.09	9.43	1.25

*This table is a refined version of Table 5 provided in the draft ER, Section 4.2.6.*

No additional impacts or mitigation to the physical, natural, socio-economic setting were identified as a result of the updated location for the Warden Avenue station. As such, the findings of the ER remain current.

## Closure

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Upon review of the above information, please contact the undersigned if you have additional questions in regards to the updated Warden Avenue station location.

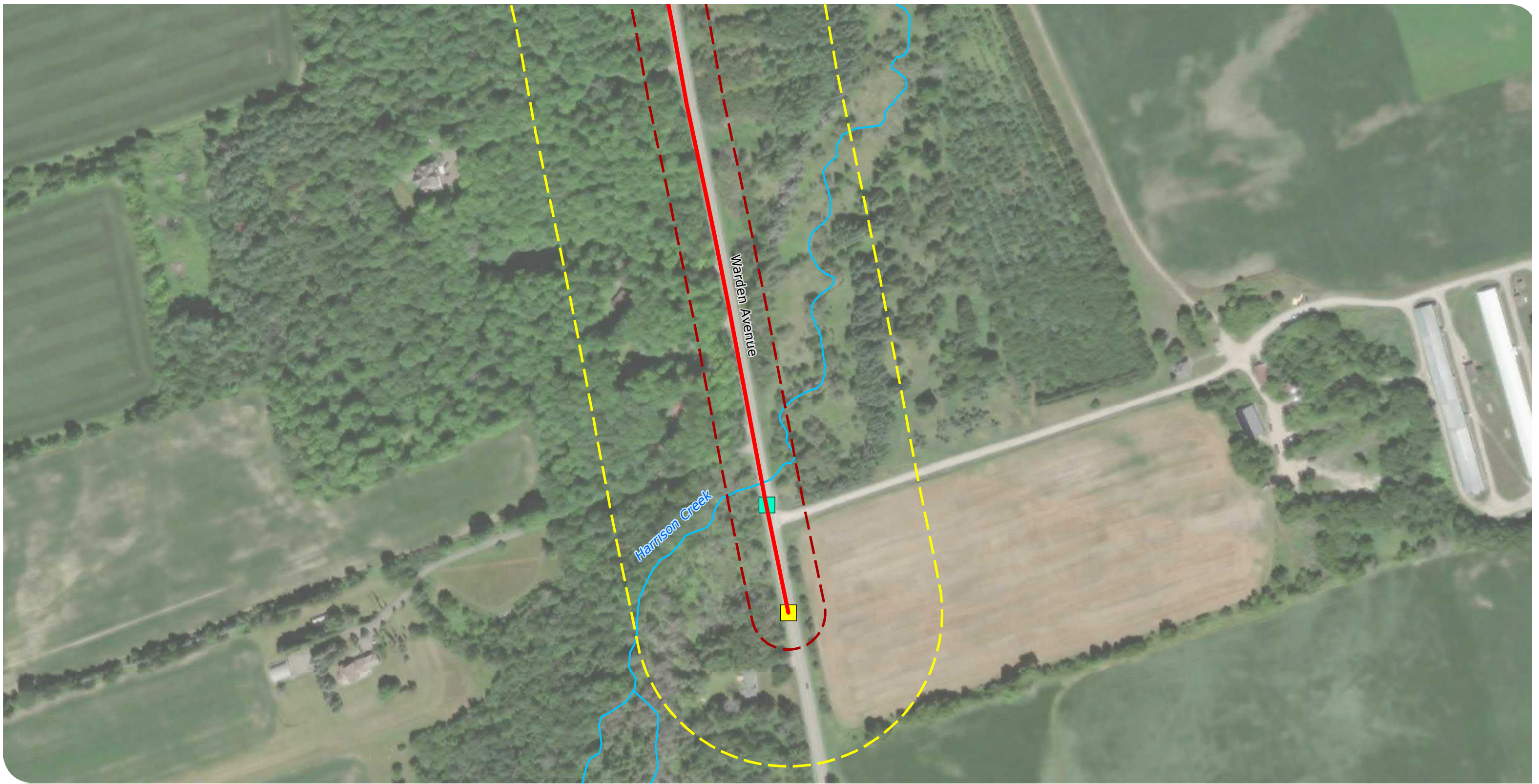
Yours sincerely,

**DILLON CONSULTING LIMITED**

A handwritten signature in black ink, appearing to read "Natalie Taylor".

Natalie Taylor, M.Sc.  
Project Manager

## **Attachment A-1**



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- Proposed Station (October 2023)
- Proposed Station (September 2023)
- Preliminary Preferred Route
- Project Footprint (30 m)
- Project Study Area (125 m)
- Watercourse

**WARDEN AVENUE STATION  
LOCATION UPDATE**

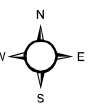
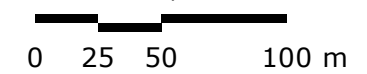
FIGURE 1



MAP DRAWING INFORMATION:  
DATA PROVIDED BY ENBRIDGE GAS INC., MNRF, ESRI IMAGERY

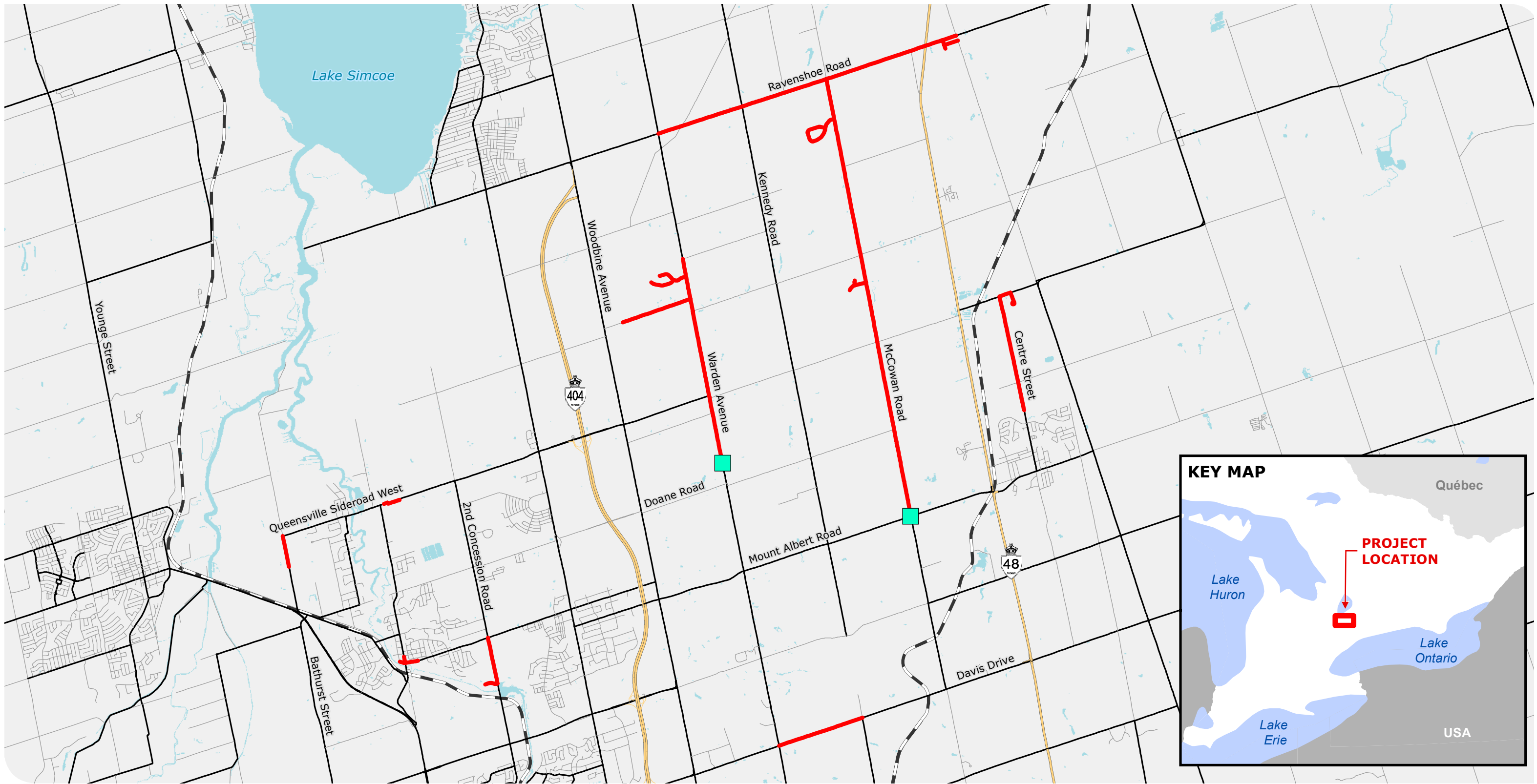
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SCALE 1:3,000



PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-11-21

## **Attachment A-2**



**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- Proposed Station (Approximate)
- Preliminary Preferred Route
- Highway
- Major Road
- Minor Road
- Ramp
- Railway
- Waterbody

**PROJECT OVERVIEW**

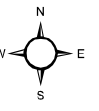
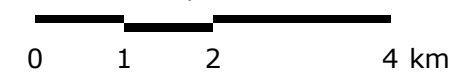
FIGURE 1



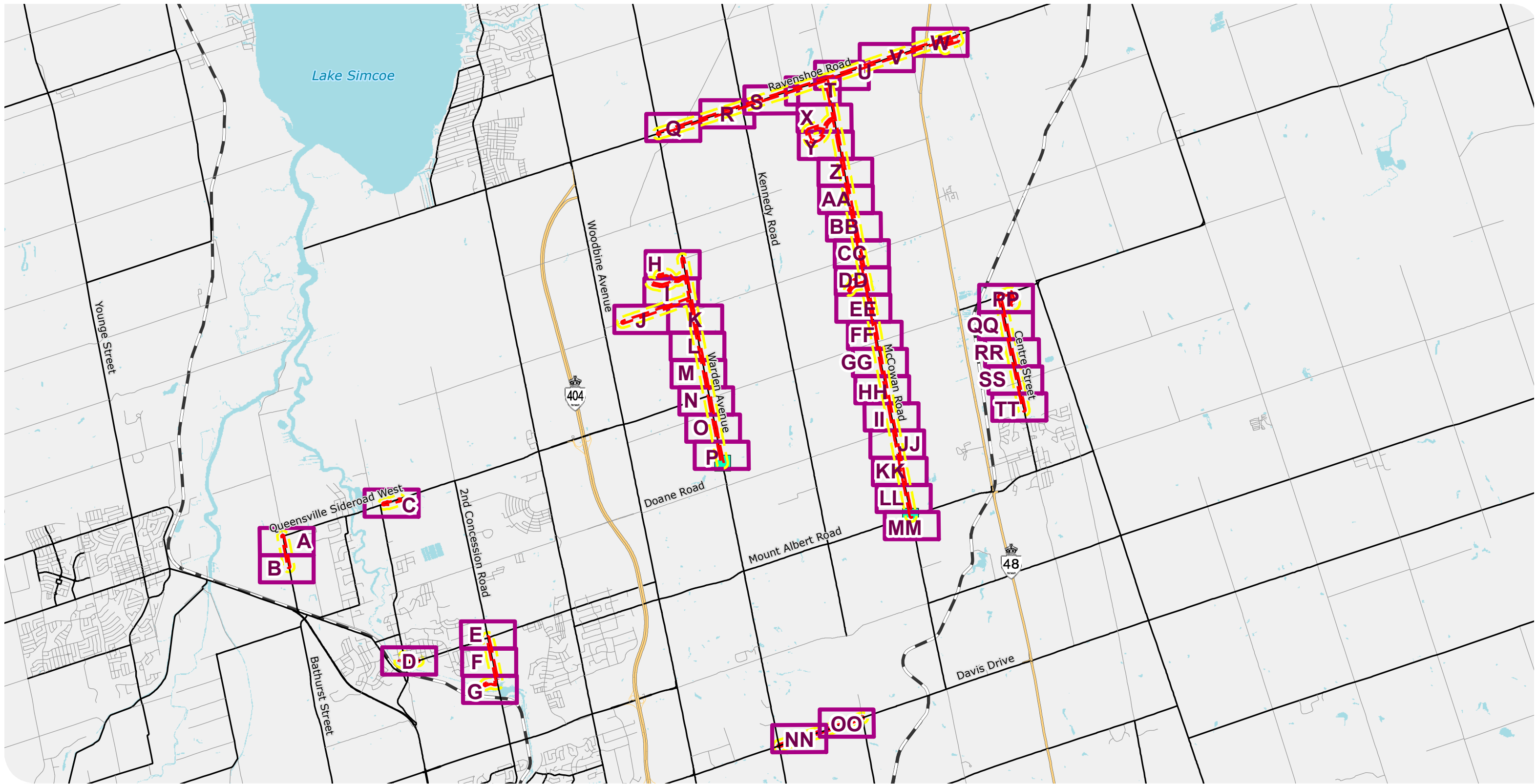
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SCALE 1:85,000



PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24



**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- Proposed Station (Approximate)
- Project Footprint (30 m)
- Project Study Area (125 m)
- Study Area Figure Location
- Highway
- Minor Road
- Railway
- Major Road
- Ramp
- Waterbody

**PROJECT STUDY AREA AND  
PROJECT FOOTPRINT**

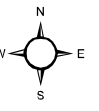
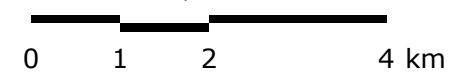
FIGURE 2.0



MAP DRAWING INFORMATION:  
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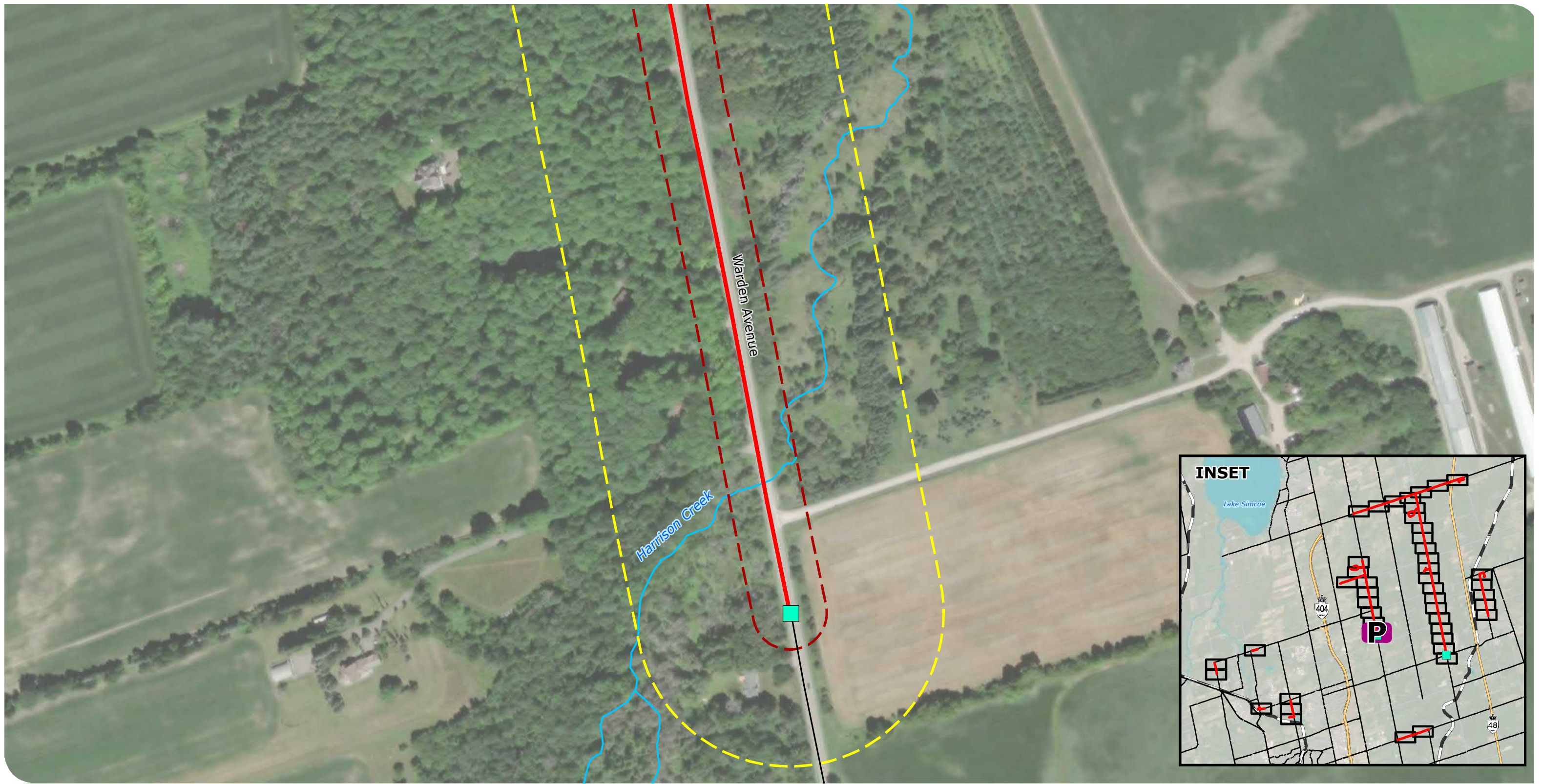
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PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24





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**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- Proposed Station (Approximate)
- Project Footprint (30 m)
- Project Study Area (125 m)
- Major Road
- Watercourse
- Preliminary Preferred Route

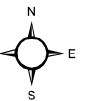
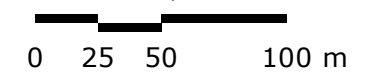
**PROJECT STUDY AREA AND  
PROJECT FOOTPRINT**  
FIGURE 2P



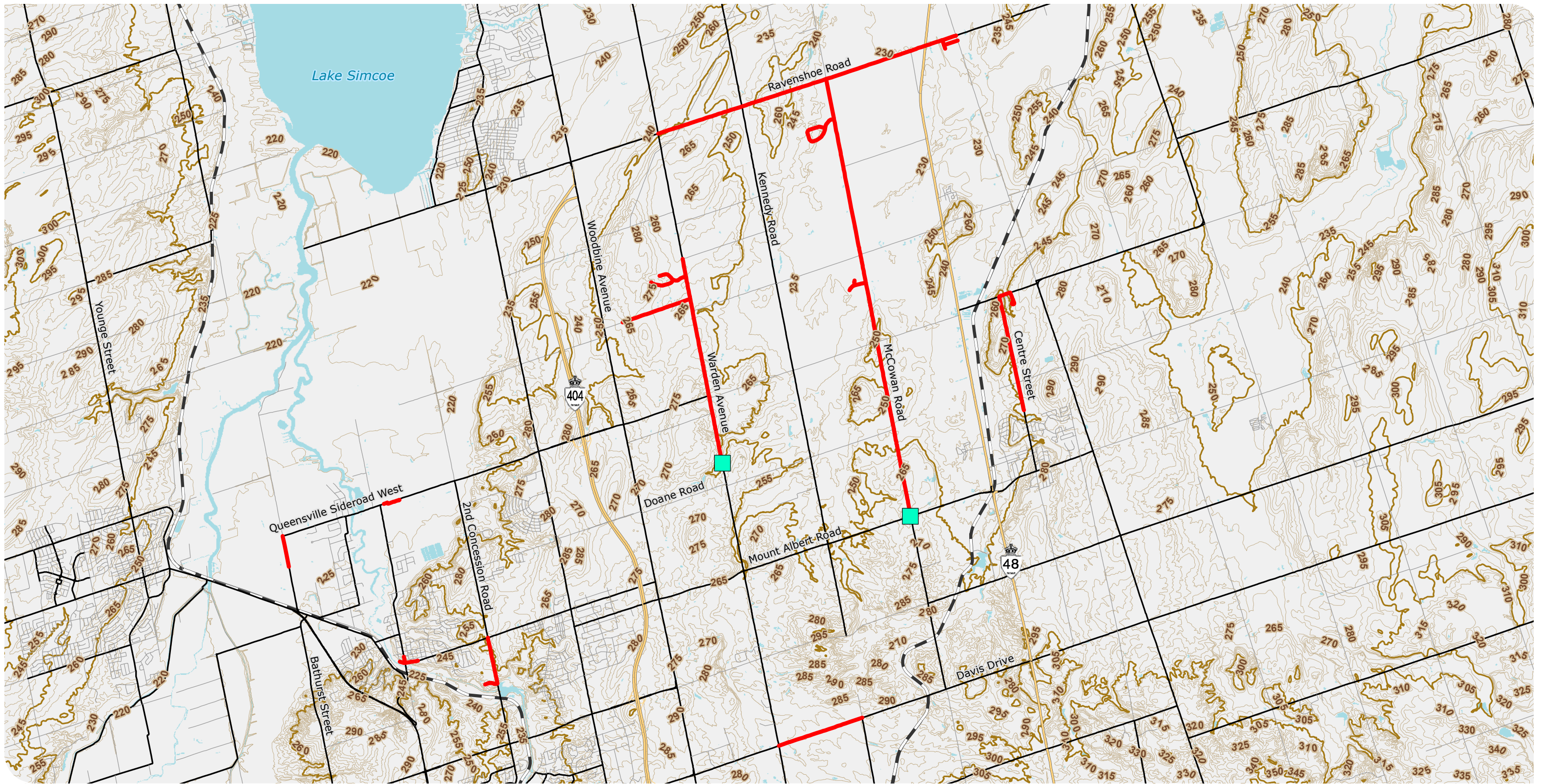
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SCALE 1:3,000









PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24



**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- |  |                                |   |            |   |            |   |                 |   |                        |
|--|--------------------------------|---|------------|---|------------|---|-----------------|---|------------------------|
|   | Proposed Station (Approximate) |  | Highway    |  | Minor Road |  | Railway         |  | Contour (Intermediate) |
|  | Preliminary Preferred Route    |  | Major Road |  | Ramp       |  | Contour (Index) |  | Waterbody              |

**TOPOGRAPHIC CONTOURS**

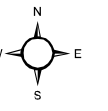
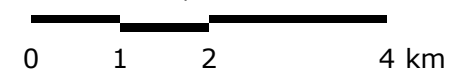
FIGURE 3



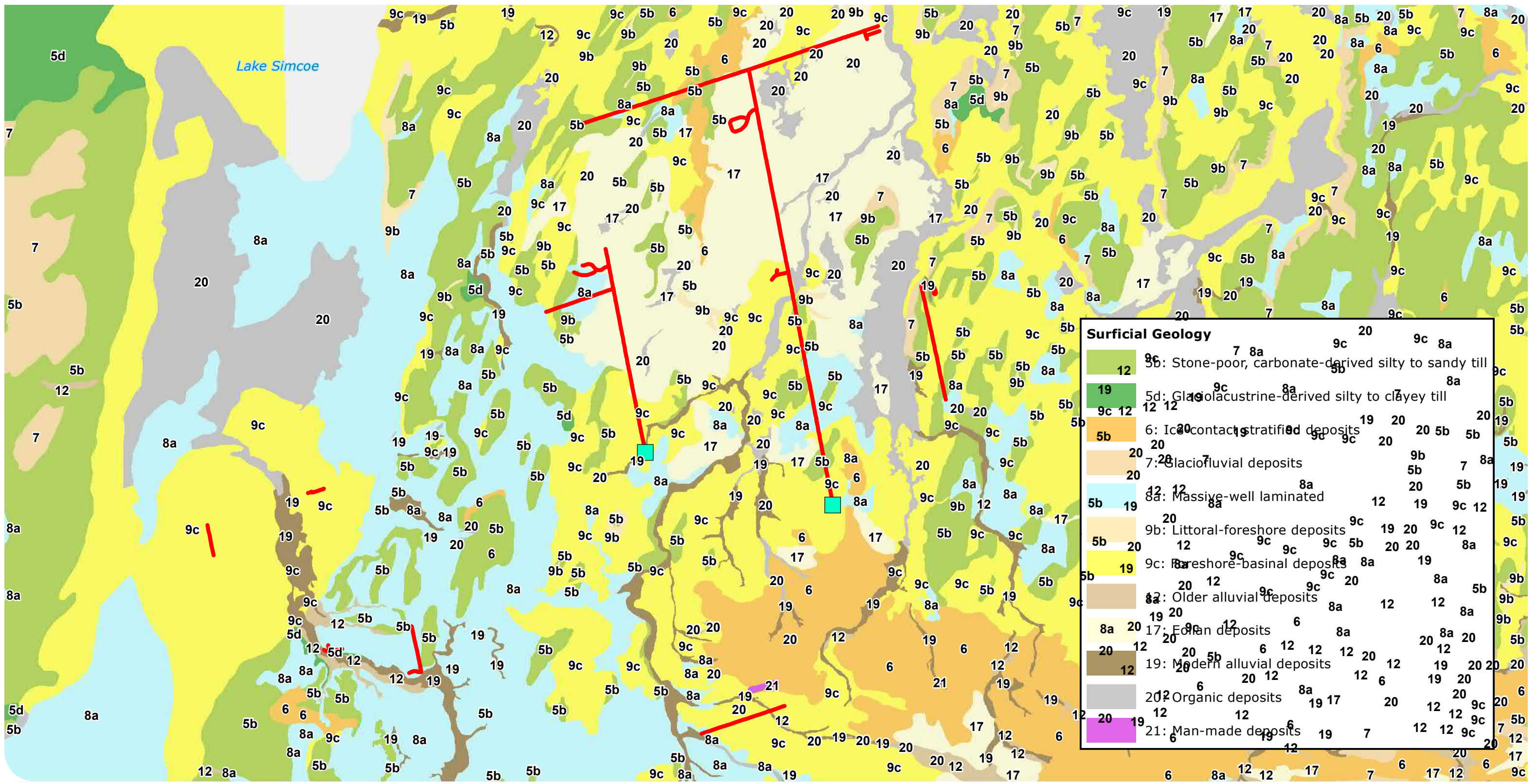
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MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

SCALE 1:85,000



PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24



Surficial Geology	
12	12: Stone-poor, carbonate-derived silty to sandy till
19	19: Stone-poor, carbonate-derived silty to sandy till
5d	5d: Glaciolacustrine-derived silty to clayey till
6	6: Ice-contact stratified deposits
7	7: Glaciofluvial deposits
8a	8a: Massive-well laminated
9b	9b: Littoral-foreshore deposits
9c	9c: Bar-foreshore-basinal deposits
8a	8a: Older alluvial deposits
17	17: Eolian deposits
19	19: Modern alluvial deposits
20	20: Organic deposits
21	21: Man-made deposits

**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- Proposed Station (Approximate)
- Preliminary Preferred Route

**SURFICIAL GEOLOGY**

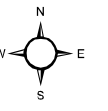
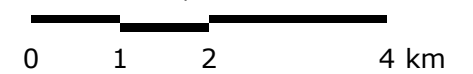
FIGURE 4



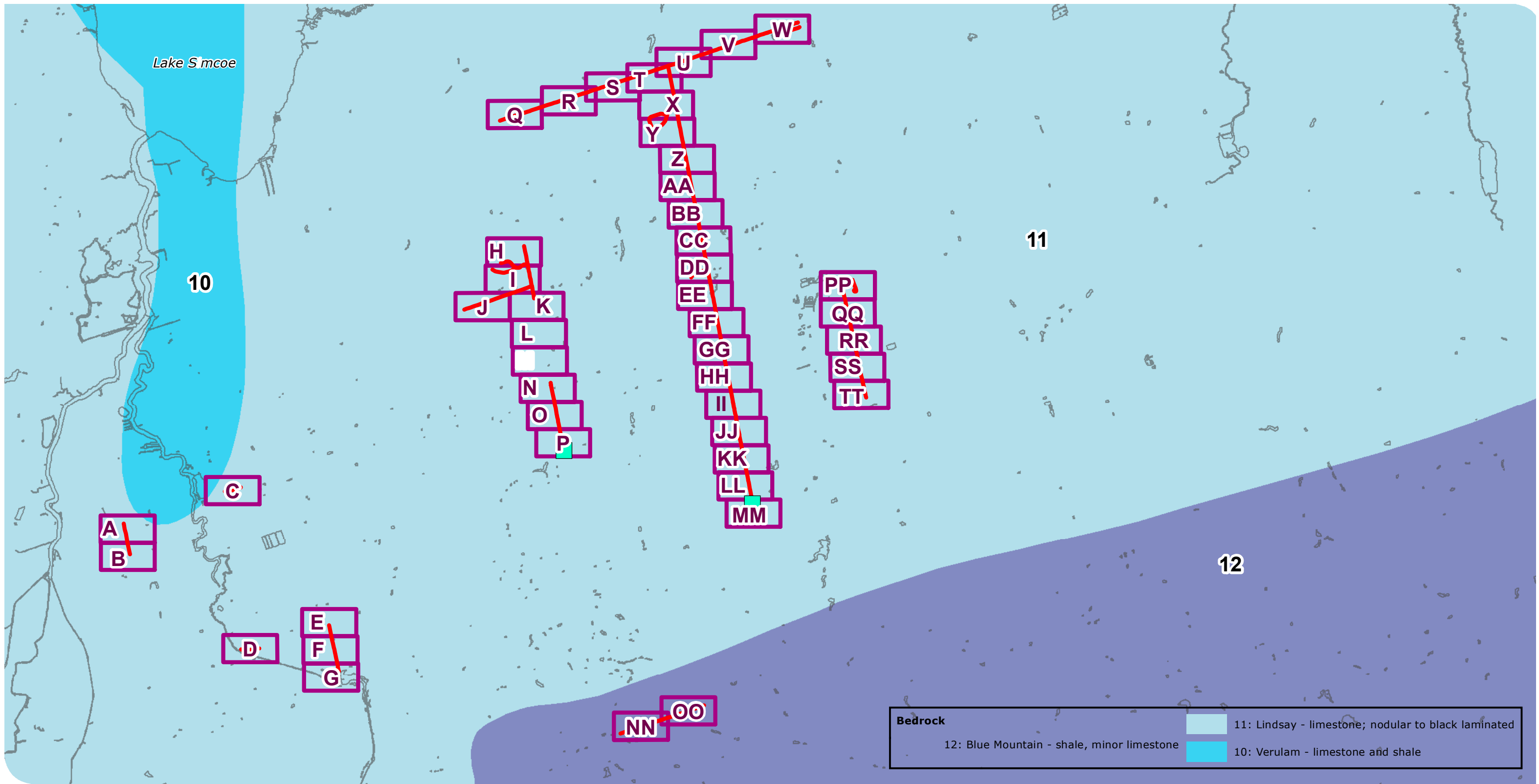
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MAP CREATED BY: DDR  
MAP CHECKED BY: NT  
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**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

**UNDERLYING BEDROCK AND  
WELL LOCATIONS**

FIGURE 5.0

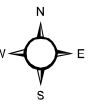
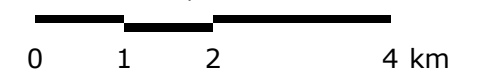
- Proposed Station (Approximate)
- Study Area Figure Location
- Preliminary Preferred Route
- Waterbody



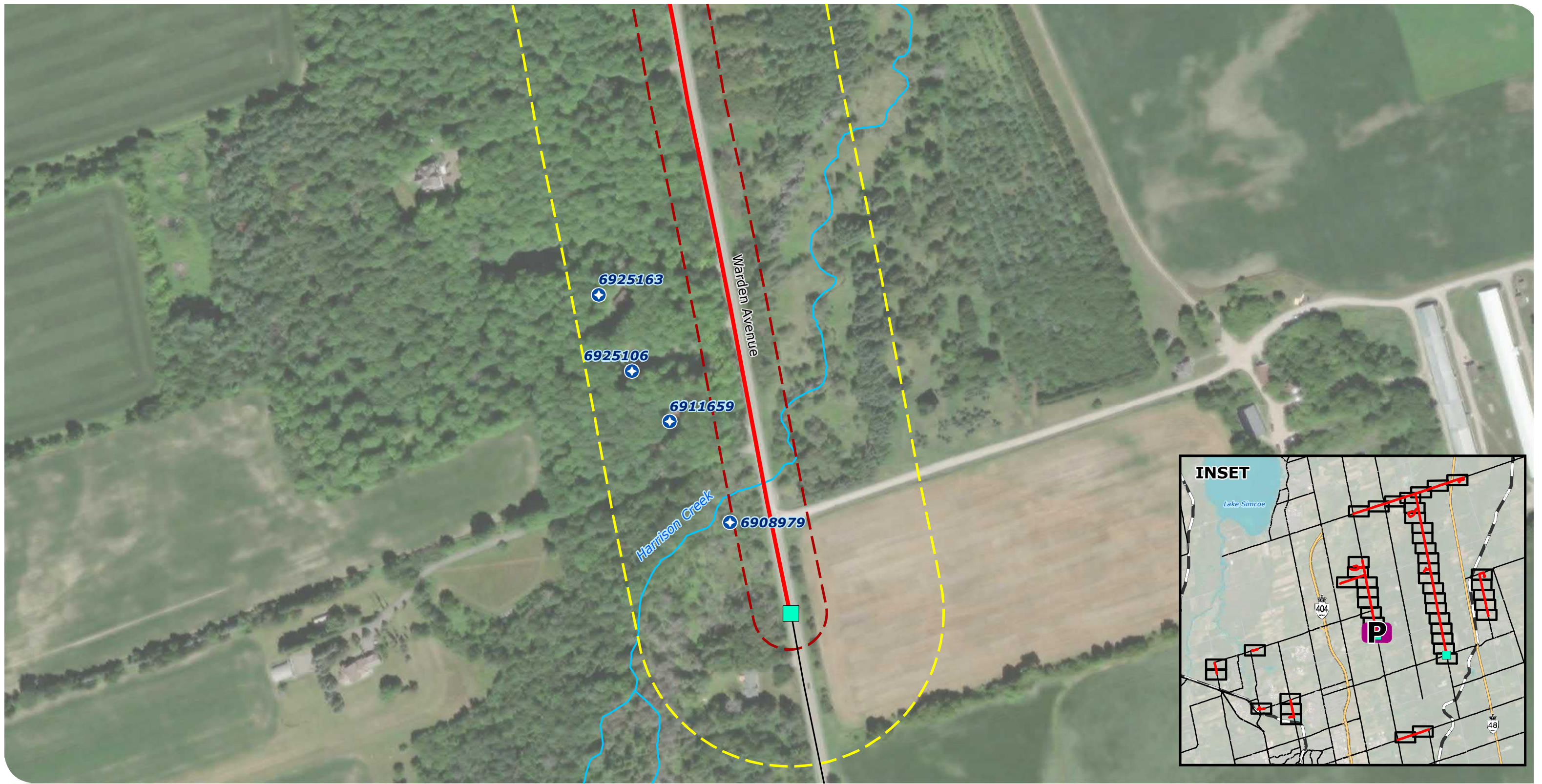
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GEOLOGICAL SURVEY, MECP, ESRI IMAGERY

MAP CREATED BY: DDR  
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MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

SCALE 1:85,000



PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- Proposed Station (Approximate)
- Preliminary Preferred Route
- Project Study Area (125 m)
- Watercourse
- Water Well (MECP, 2023)
- Project Footprint (30 m)
- Major Road

**UNDERLYING BEDROCK AND  
WELL LOCATIONS**

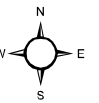
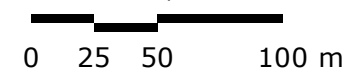
FIGURE 5P



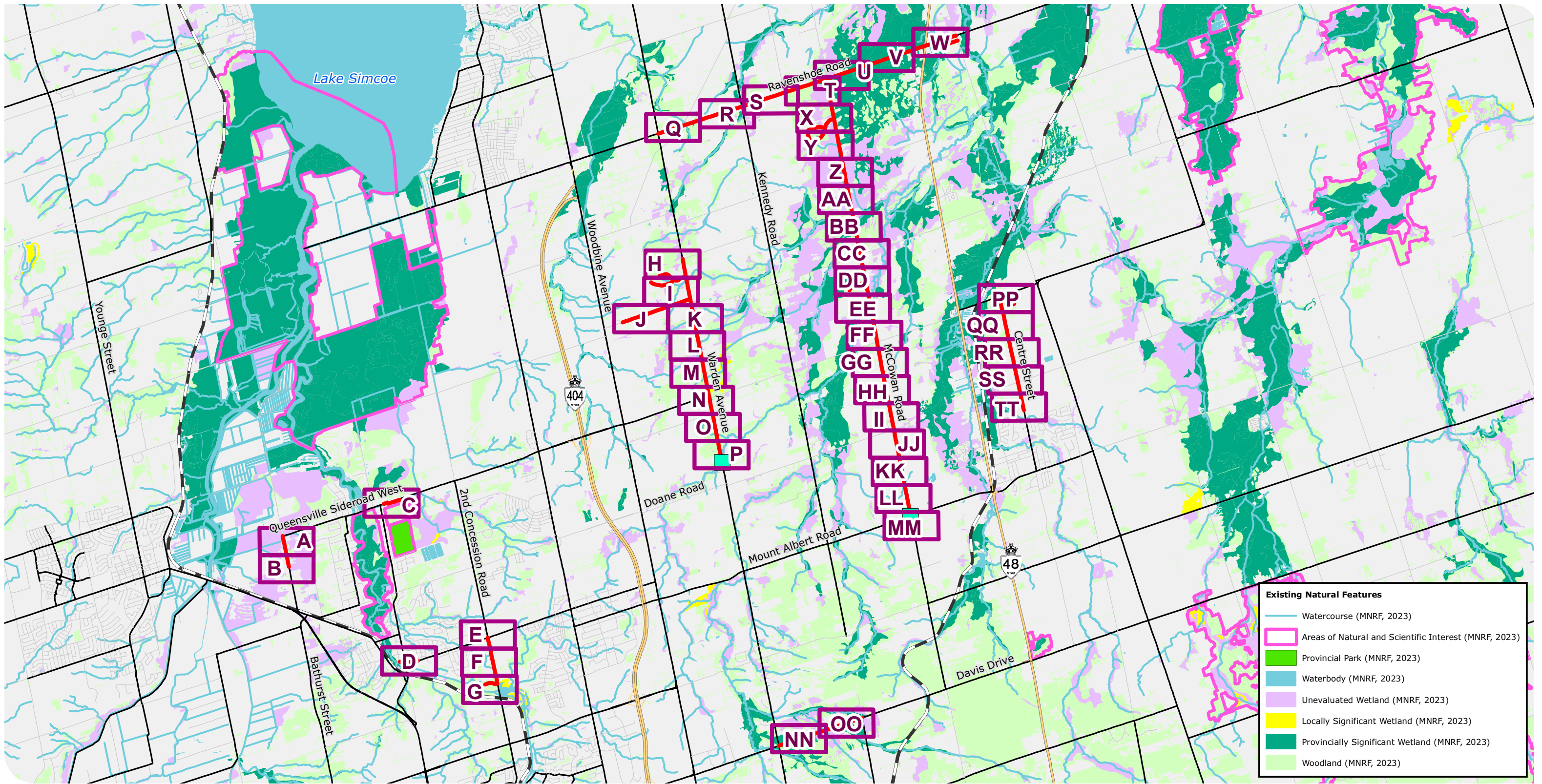
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MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

SCALE 1:3,000



PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24



**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- Proposed Station (Approximate)
- Study Area Figure Location
- Major Road
- Ramp
- Preliminary Preferred Route
- Highway
- Minor Road
- Railway

**EXISTING NATURAL  
ENVIRONMENT FEATURES**

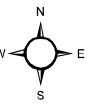
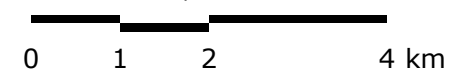
FIGURE 6.0



MAP DRAWING INFORMATION:  
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IMAGERY

MAP CREATED BY: DDR  
MAP CHECKED BY: NT  
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SCALE 1:85,000



PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24



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**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- |                                |                            |                                  |
|--------------------------------|----------------------------|----------------------------------|
| Proposed Station (Approximate) | Project Study Area (125 m) | Waterbody (MNRF, 2023)           |
| Preliminary Preferred Route    | Major Road                 | Unevaluated Wetland (MNRF, 2023) |
| Project Footprint (30 m)       | Watercourse (MNRF, 2023)   | Woodland (MNRF, 2023)            |

**EXISTING NATURAL  
ENVIRONMENT FEATURES**

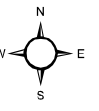
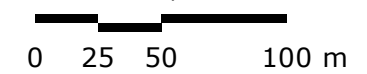
FIGURE 6P



MAP DRAWING INFORMATION:  
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MAP CREATED BY: DDR  
MAP CHECKED BY: NT  
MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

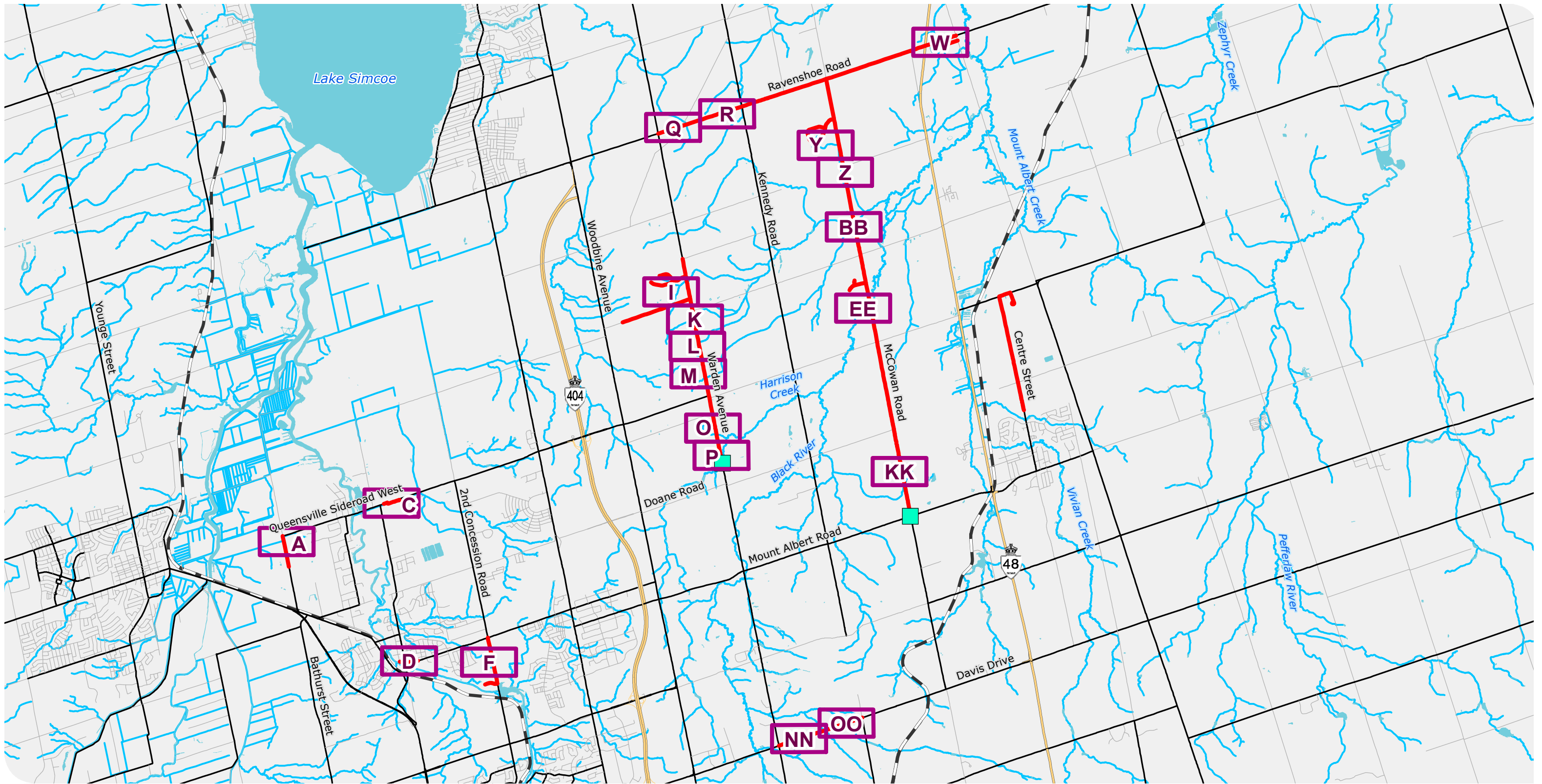
SCALE 1:3,000



PROJECT: 22-5034

STATUS: DRAFT

DATE: 2023-10-24



**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

**WATERCOURSES WITHIN  
PROJECT FOOTPRINT**

FIGURE 7.0

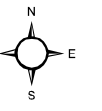
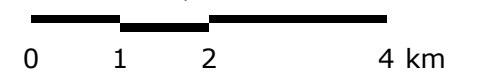
- Proposed Station (Approximate)
- Study Area Figure Location
- Preliminary Preferred Route
- Highway
- Major Road
- Minor Road
- Railway
- Ramp
- Watercourse
- Waterbody



MAP DRAWING INFORMATION:  
DATA PROVIDED BY ENBRIDGE GAS INC., MNRF, LIO, ESRI  
IMAGERY

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MAP CHECKED BY: NT  
MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

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PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24





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**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- Proposed Station (Approximate)
- Watercourse or Piped Feature Crossing
- Preliminary Preferred Route
- Project Footprint (30 m)
- Major Road
- Watercourse (MNRF, 2023)
- Waterbody (MNRF, 2023)

**WATERCOURSES WITHIN  
PROJECT FOOTPRINT**

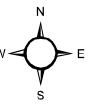
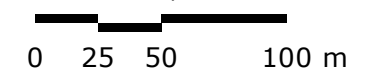
FIGURE 7P



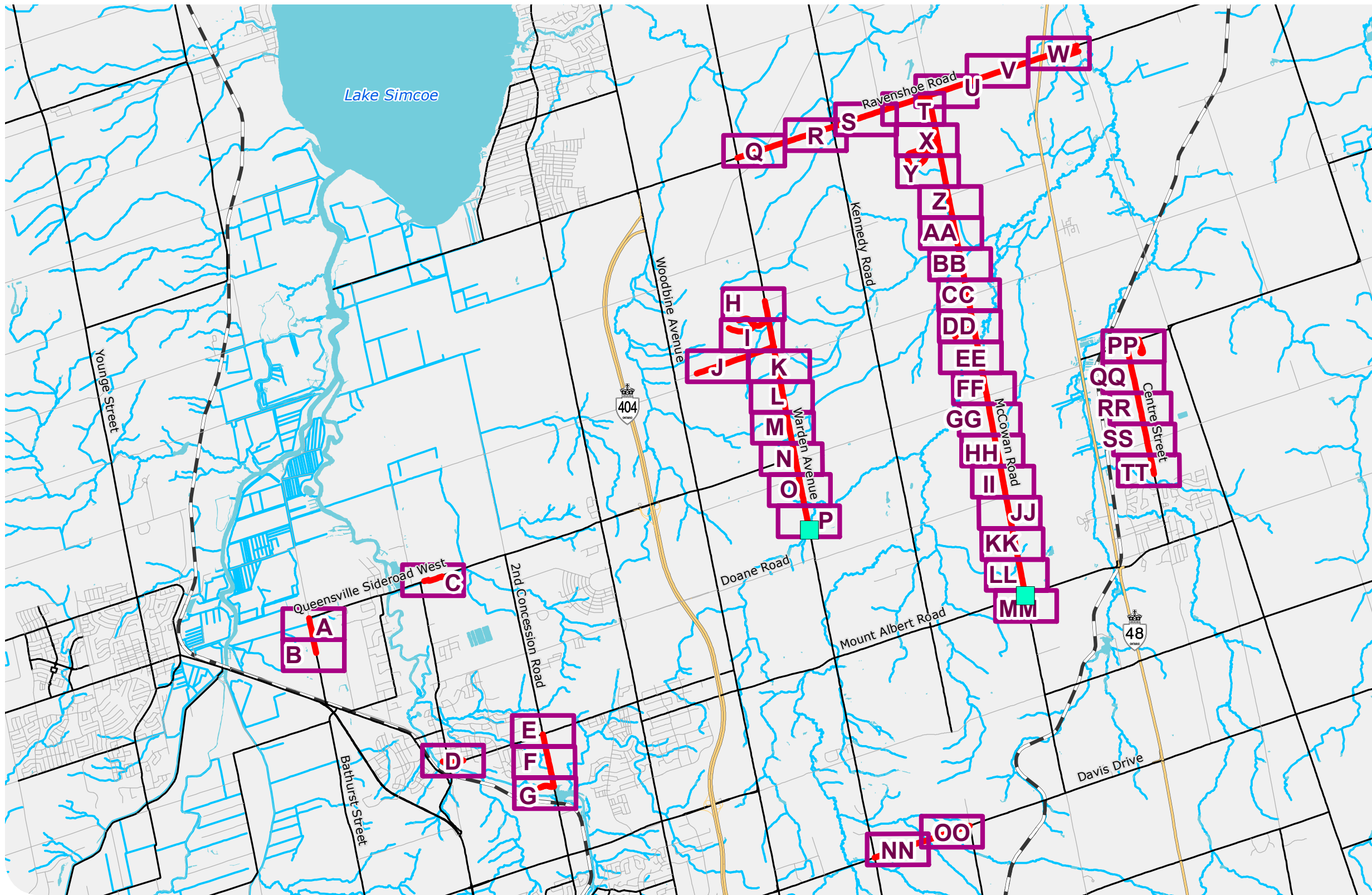
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DATA PROVIDED BY ENBRIDGE GAS INC., MNRF, LIO, ESRI  
IMAGERY

MAP CREATED BY: DDR  
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MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

SCALE 1:3,000



PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24



Code	Ecological Land Classification
CGL	Greenlands
CVC	Commercial and Institutional
CVC_1	Business Sector
CVC_4	Extraction
CVI_1	Transportation
CVI_2	Disposal and Recycle
CVI_4	Power Generation
CVR_1	Low Density Residential
CVR_4	Rural Property
CVS-1	Education
FOC	Coniferous Forest
FOCM2	Dry-Fresh Cedar Coniferous Forest
FOCM4	Fresh-Moist White Cedar Coniferous Forest
FOCM6	Naturalized Coniferous Plantation
FOD	Deciduous Forest
FODM3-1	Dry-Fresh Poplar Deciduous Forest
FODM4	Dry-Fresh Upland Deciduous Forest Ecosite
FODM5	Dry-Fresh Sugar Maple Deciduous Forest
FODM7	Fresh-Moist Lowland Deciduous Forest
FODM8-1	Fresh-Moist Poplar Deciduous Forest
FOM	Mixed Forest
FOMM10-2	Fresh-Moist White Spruce - Hardwood Mixed Forest
FOMM2	Dry-Fresh White Pine - Hardwood Mixed Forest
FOMM5	Dry-Fresh White Birch - Poplar - Conifer Mixed Forest
FOMM7	Fresh-Moist White Cedar - Hardwood Mixed Forest
IAG	Agricultural Infrastructure
IAGM1	Agricultural Buildings
MAMM1	Gramminoid Mineral Meadow Marsh
MAMM1-3	Reed Canary Grass Mineral Meadow Marsh
MAMM2	Forb Mineral Meadow Marsh
MASM1	Gramminoid Mineral Shallow Marsh
MASM1	Gramminoid Mineral Shallow Marsh
MEG	Gramminoid Meadow
MEGM3	Dry-Fresh Gramminoid Meadow
MEM	Mixed Meadow
MEMM3	Dry-Fresh Mixed Meadow
MEMM4	Fresh-Moist Mixed Meadow
MEMM4 / THD	Fresh-Moist Mixed Meadow / Deciduous Thicket
OAGM1	Annual Row Crop
OAGM2	Perennial Cover Crop
OAGM4	Open Pasture
OAO	Open Aquatic
SWCM1	White Cedar Mineral Coniferous Swamp
SWD	Deciduous Swamp
SWDM2	Ash Mineral Deciduous Swamp
SWDM4	Mineral Deciduous Swamp
SWDM4 / MASM1	Mineral Deciduous Swamp / Gramminoid Mineral Meadow Marsh
SWM	Mixed Swamp
SWMM1	White Cedar Mineral Mixed Swamp
SWMM5	Conifer - Hardwood Mineral Mixed Swamp
TAGM1	Coniferous Plantation
TAGM5	Fencerow
THD	Deciduous Thicket
THDM2	Dry-Fresh Deciduous Shrub Thicket
WOCM1	Dry-Fresh Coniferous Woodland
WOD	Deciduous Woodland
WOD / MEM	Deciduous Woodland / Mixed Meadow
WODM4	Dry-Fresh Deciduous Woodland
WODM5	Fresh-Moist Deciduous Woodland
WOM	Mixed Woodland
WOM / MEMM3	Mixed Woodland / Dry-Fresh Mixed Meadow
WOMM3	Dry-Fresh Mixed Woodland
WOMM4	Fresh-Moist Mixed Woodland

### EAST GWILLIMBURY COMMUNITY EXPANSION PROJECT

Enbridge Gas Inc.

- Preliminary Preferred Route
- Study Area Figure Location
- Highway
- Major Road
- Minor Road
- Ramp
- Railway
- Waterbody
- Watercourse

### ECOLOGICAL LAND CLASSIFICATION

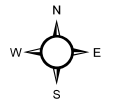
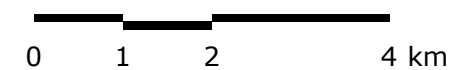
FIGURE 8.0



MAP DRAWING INFORMATION:  
DATA PROVIDED BY ENBRIDGE GAS INC., MNRF, LIO, ESRI  
IMAGERY

MAP CREATED BY: DDR  
MAP CHECKED BY: NT  
MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

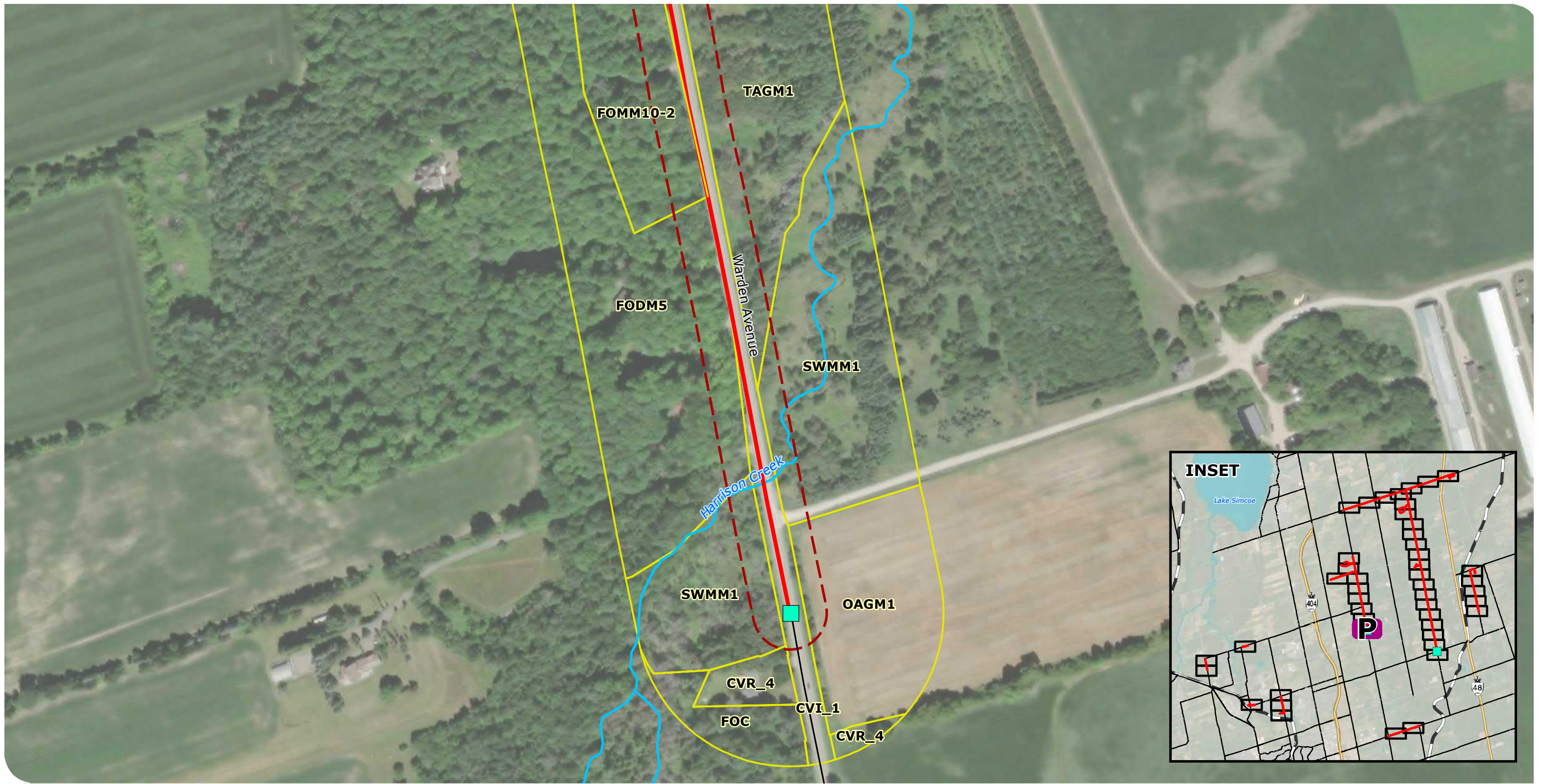
SCALE 1:85,000



PROJECT: 22-5034

STATUS: DRAFT

DATE: 2023-07-28



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- Proposed Station (Approximate)
- Preliminary Preferred Route
- Project Footprint (30 m)
- Ecological Land Classification
- Major Road
- Watercourse (MNR, 2023)

**ECOLOGICAL LAND  
CLASSIFICATION**

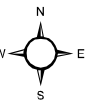
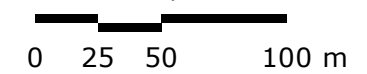
FIGURE 8P



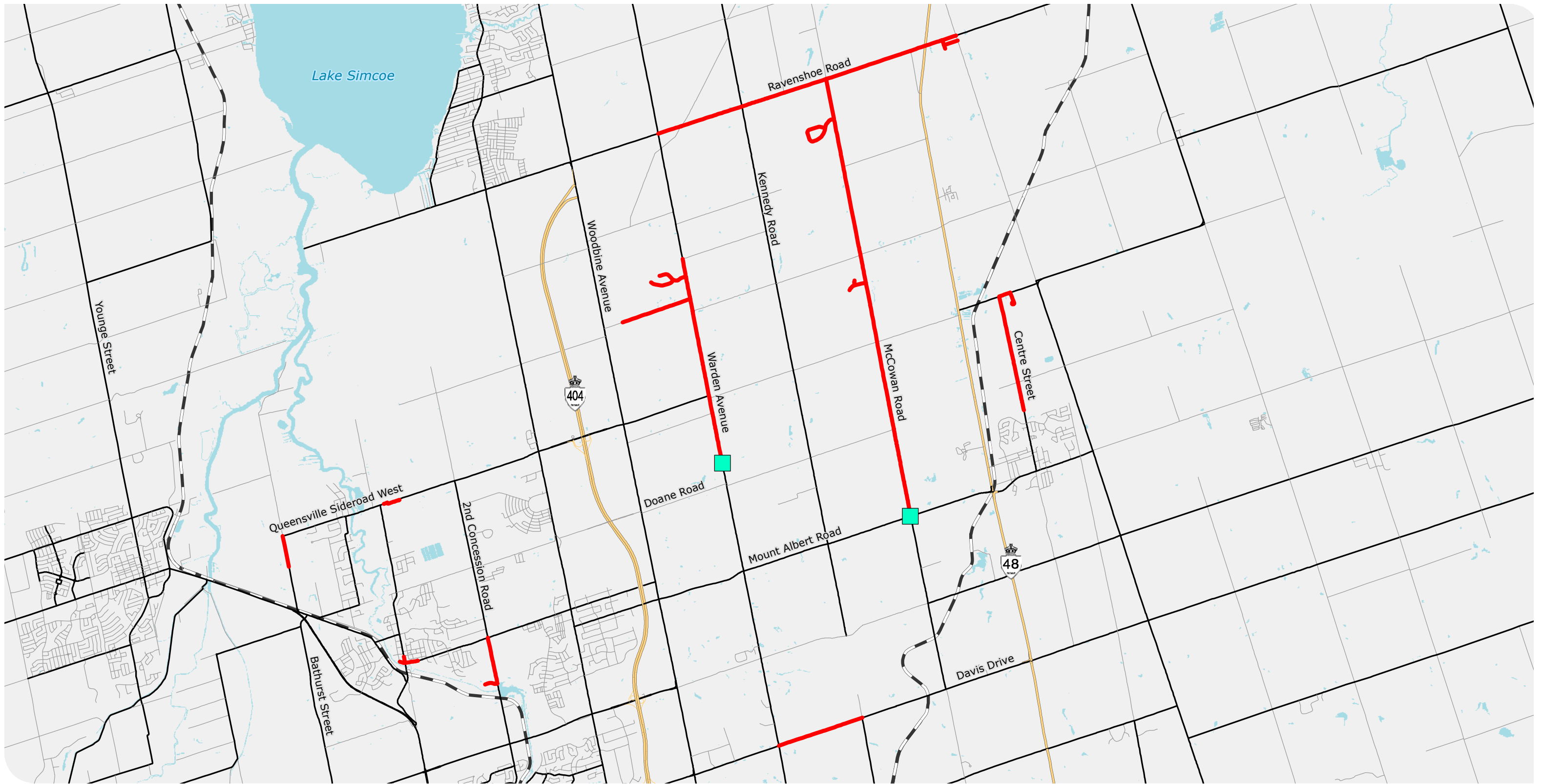
MAP DRAWING INFORMATION:  
DATA PROVIDED BY ENBRIDGE GAS INC., MNR, LIO, ESRI  
IMAGERY

MAP CREATED BY: DDR  
MAP CHECKED BY: NT / SG  
MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

SCALE 1:3,000



PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24



**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- Proposed Station (Approximate)
- Preferred Route
- Highway
- Major Road
- Minor Road
- Railway
- Ramp
- Waterbody

**PREFERRED ROUTE**

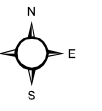
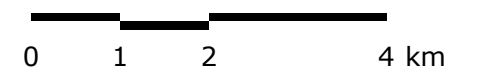
FIGURE 10



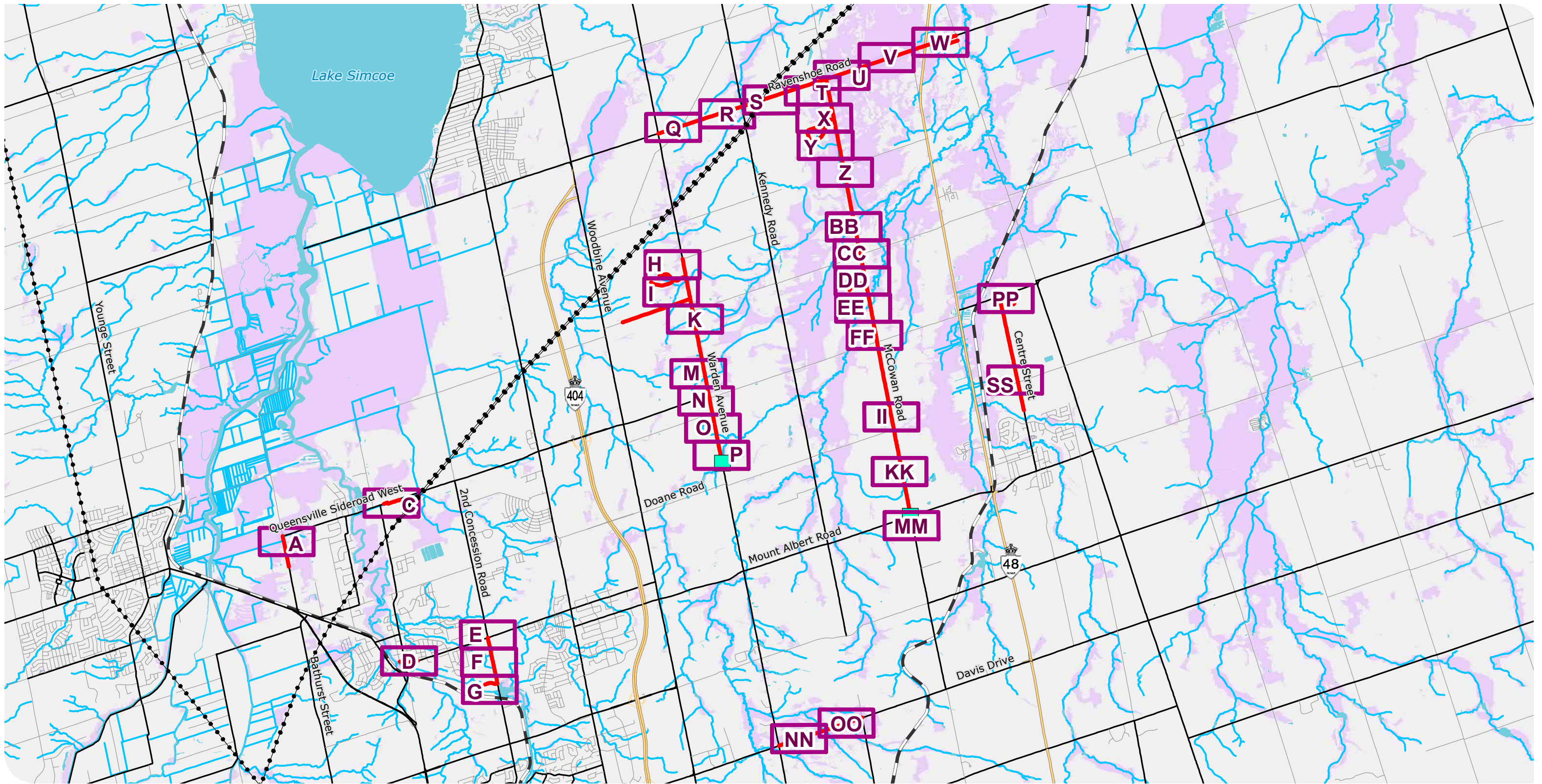
MAP DRAWING INFORMATION:  
DATA PROVIDED BY ENBRIDGE GAS INC., MNRF, ESRI IMAGERY

MAP CREATED BY: DDR  
MAP CHECKED BY: NT  
MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

SCALE 1:85,000



PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24



**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- |                                |                            |            |         |                        |                                    |
|--------------------------------|----------------------------|------------|---------|------------------------|------------------------------------|
| Proposed Station (Approximate) | Study Area Figure Location | Major Road | Ramp    | Hydro Line (MNR, 2023) | Waterbody                          |
| Preferred Route                | Highway                    | Minor Road | Railway | Watercourse            | Wetlands (MNR, 2023; Dillon, 2023) |

**MITIGATION MAP**

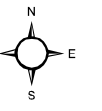
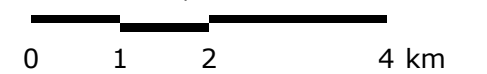
FIGURE 11.0



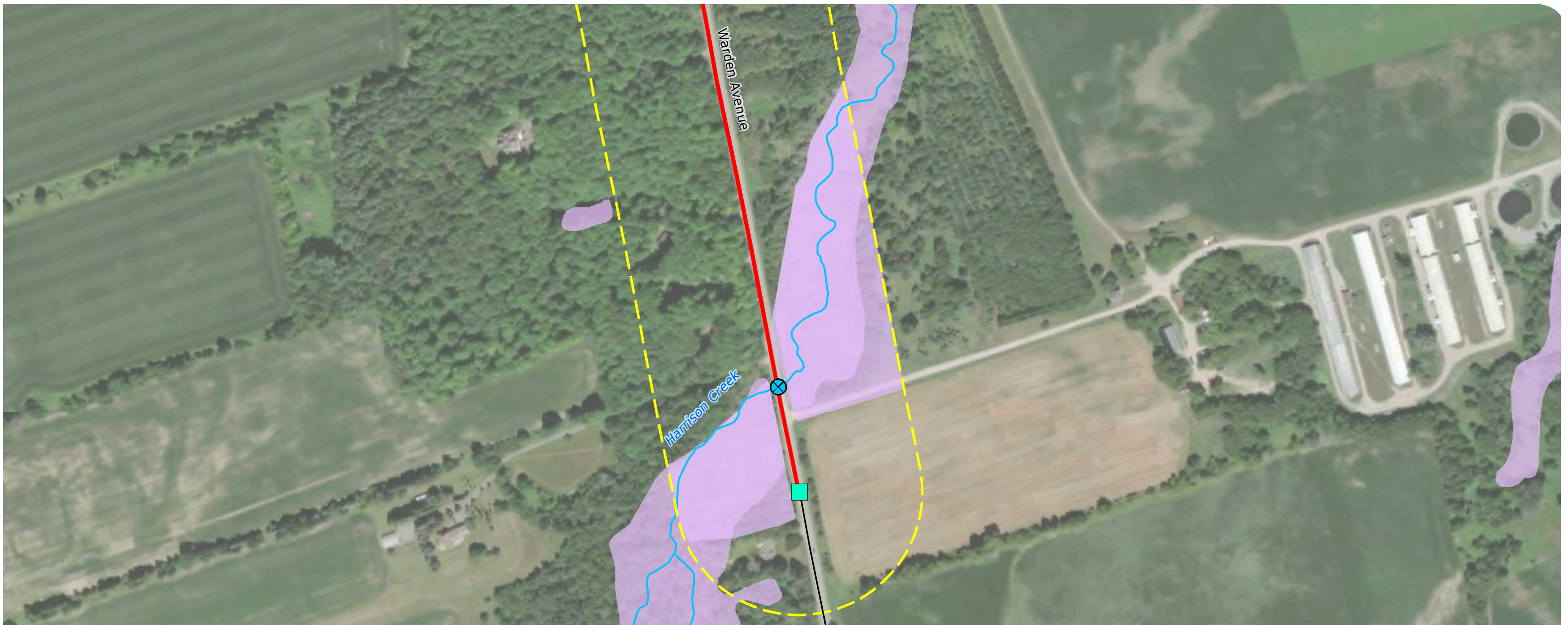
MAP DRAWING INFORMATION:  
DATA PROVIDED BY ENBRIDGE GAS INC., MNR, ESRI IMAGERY

MAP CREATED BY: DDR  
MAP CHECKED BY: NT  
MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

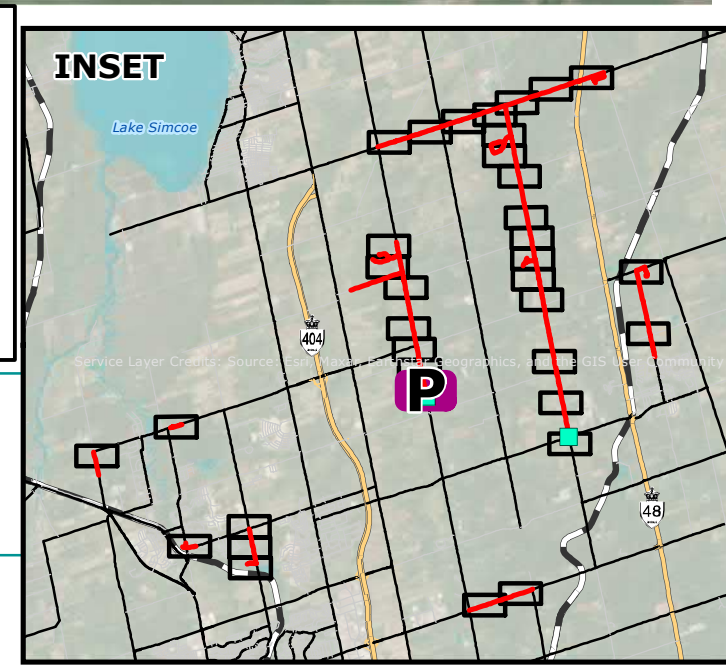
SCALE 1:85,000



PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24



<p><b>⊗ Road or Rail Crossing.</b> For major road crossings (parkways, highways, arterial roads), trenchless construction is the preferred crossing technique. For minor road crossings, open-cut construction techniques may be used. Enbridge will develop a Traffic Management Plan to ensure that traffic is maintained while crossings are conducted. Flag persons will be provided as required.</p>	<p><b>⊗ Crossing of Electric Transmission Corridor.</b> Contact Hydro One for specifications when working in the vicinity of high-voltage transmission lines and ground equipment. No refueling of equipment will be conducted in this area due to the possibility of stray voltage. Use voltage protection measures for vehicles and equipment working in this area.</p>	<p><b>⊗ Potential Crossing of Watercourse or Wetland.</b> Crossing technique (open cut or trenchless) to be determined during construction detailed design process having regard for the engineering technical feasibility of construction and natural features. All watercourses to be crossed shall be prepared and constructed according to permit conditions established by Lake Simcoe Region Conservation Authority. No vehicle or equipment refueling within 30 metres of a watercourse or wetland, unless otherwise approved by Enbridge Environment. Clean up of all watercourse and wetland crossings shall be completed to the satisfaction of the Conservation Authority and Environmental Inspector.</p>
<p><b>⊗ Crossing of Trail or Recreational Feature.</b> Alternative routes will be established and appropriate detour signage will be installed at all locations where construction impedes the use of recreation trails</p>		

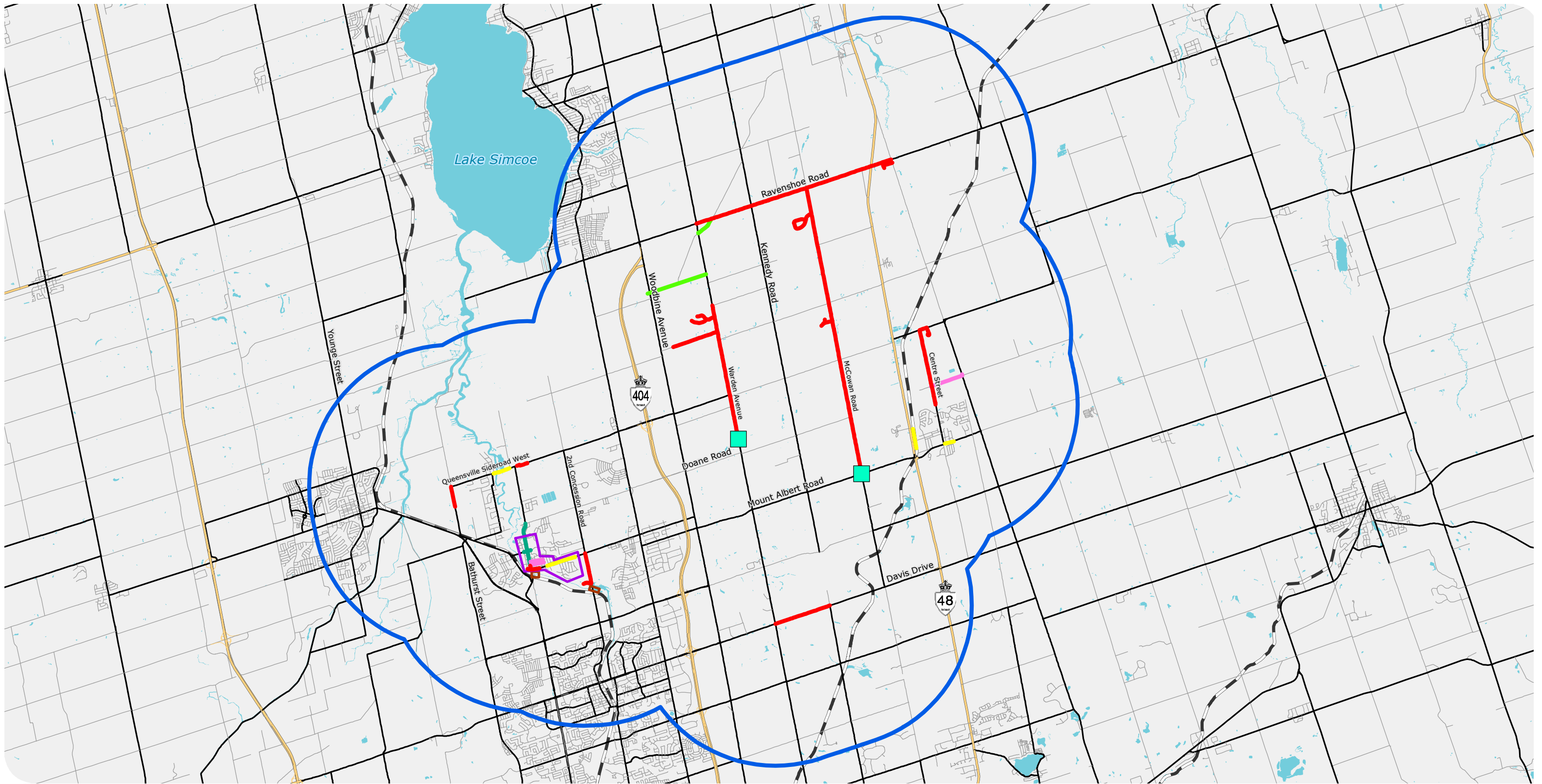


**EAST GWILLIMBURY COMMUNITY EXPANSION PROJECT**  
Enbridge Gas Inc.

	Potential Crossing of Watercourse or Wetland		Preferred Route		Major Road		Watercourse
	Proposed Station (Approximate)		Project Study Area (125 m)		Wetlands (MNR, 2023; Dillon, 2023)		

**MITIGATION MAP**  
FIGURE 11P

		<p>MAP DRAWING INFORMATION: DATA PROVIDED BY ENBRIDGE GAS INC., MNR, ESRI IMAGERY</p> <p>MAP CREATED BY: DDR MAP CHECKED BY: NT MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N</p>	<p>SCALE 1:3,800</p> <p>0 30 60 120 m</p> <p>PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24</p>	
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**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- |                                |            |   |                  |   |
|--------------------------------|------------|---|------------------|---|
| Proposed Station (Approximate) | Major Road | Railway                                     | New Sidewalk     | East Gwillimbury - Younge Street Revitalization |
| Preferred Route                | Minor Road | Waterbody                                   | Road Resurfacing | LSRCA Retrofit/Restoration Project              |
| Highway                        | Ramp       | Assessment Area of Environmental Components | Slurry Seal      | Hydro One Regional Infrastructure               |

**PLANNED PROJECTS**

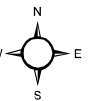
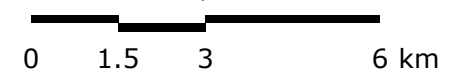
FIGURE 12-1



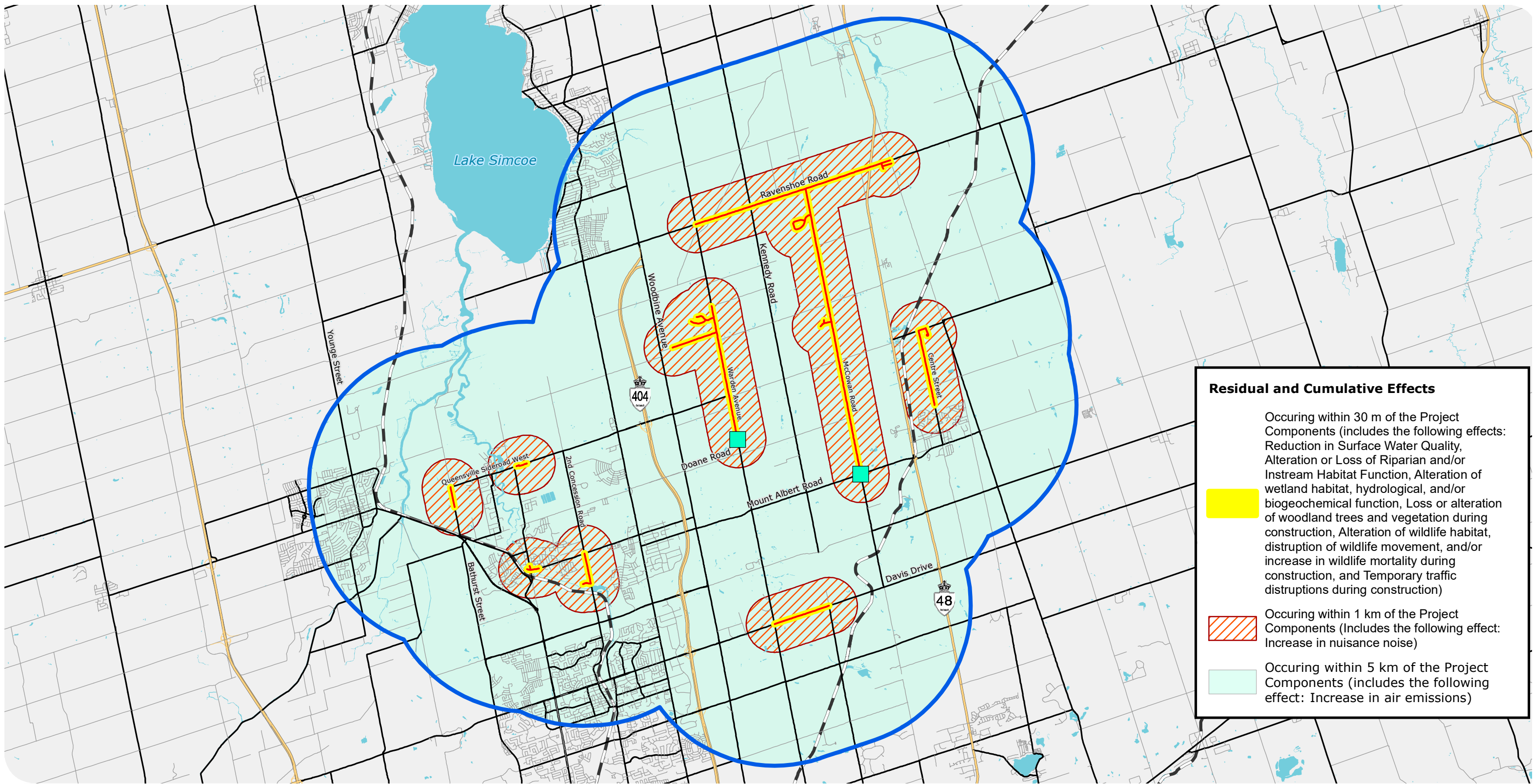
MAP DRAWING INFORMATION:  
DATA PROVIDED BY ENBRIDGE GAS INC., MNRF, ESRI IMAGERY

MAP CREATED BY: DDR  
MAP CHECKED BY: NT  
MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

SCALE 1:130,000



PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24



**Residual and Cumulative Effects**

Occurring within 30 m of the Project Components (includes the following effects: Reduction in Surface Water Quality, Alteration or Loss of Riparian and/or Instream Habitat Function, Alteration of wetland habitat, hydrological, and/or biogeochemical function, Loss or alteration of woodland trees and vegetation during construction, Alteration of wildlife habitat, disruption of wildlife movement, and/or increase in wildlife mortality during construction, and Temporary traffic disruptions during construction)

Occurring within 1 km of the Project Components (Includes the following effect: Increase in nuisance noise)

Occurring within 5 km of the Project Components (includes the following effect: Increase in air emissions)

**EAST GWILLIMBURY  
COMMUNITY EXPANSION  
PROJECT**

Enbridge Gas Inc.

- Proposed Station (Approximate)
- Highway
- Minor Road
- Railway
- Assessment Area of Environmental Components
- Preferred Route
- Major Road
- Ramp
- Waterbody

**RESIDUAL AND CUMULATIVE  
EFFECTS**

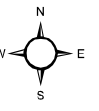
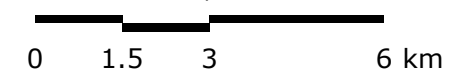
FIGURE 12-2



MAP DRAWING INFORMATION:  
DATA PROVIDED BY ENBRIDGE GAS INC., MNRF, ESRI IMAGERY

MAP CREATED BY: DDR  
MAP CHECKED BY: NT  
MAP PROJECTION: NAD 1983 CSRS UTM Zone 17N

SCALE 1:130,000



PROJECT: 22-5034 STATUS: DRAFT DATE: 2023-10-24