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May 30, 2011

VIA COURIER AND EMAIL

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

Re: Enbridge Gas Distribution Inc. ("Enbridge")
Pipeline to Serve the Proposed Northland Power Plant - Thorold
EB-2008-0065 – Ontario Energy Board's Conditions of Approval:
Final Monitoring Report

In the Ontario Energy Board's Decision issued on October 28, 2008, the Conditions of Approval requires Enbridge to file an final monitoring report for the project 15 months after the in-service date. The final in-service date for the project was December 14, 2009 and would require Enbridge to file the interim monitoring report by March 14, 2011. On December 16, 2011, Enbridge filed a letter with the Board requesting an extension until May 2011.

Enclosed please find the final monitoring report for the project.

The filing of this report completes all the requirements listed in the Boards Conditions of Approval.

If you have any questions, please contact the undersigned.

Yours truly,

Bonnie Jean Adams
Regulatory Coordinator

cc: Neil McKay, Manger, Facilities Applications, Ontario Energy Board (via courier and email)

ENBRIDGE GAS DISTRIBUTION INC.
POST-CONSTRUCTION
ENVIRONMENTAL MONITORING REPORT NO.2

PIPELINE TO SERVE THE THOROLD COGEN L.P.
EB-2008-0065

Prepared by
Enbridge Gas Distribution Inc.
May 30, 2011

Table of Contents

Appendices

1.0 Introduction

On October 28, 2008 the Ontario Energy Board ("OEB") under docket number EB-2006-0065 granted Enbridge Gas Distribution Inc. ("Enbridge") Leave to construct and operate a 2.9 km NPS 12 (12 inch diameter) natural gas pipeline to serve the Thorold Cogen L.P. on the property of Abitibi Consolidated Inc. – Thorold Division. The pipeline commences at the TransCanada PipeLines' ("TCPL") crossing of Thorold Townline Road where a gate station was constructed to connect with the TCPL pipeline.

Prior to obtaining approval, Enbridge conducted the following studies to select a pipeline route, identify potential impacts resulting from construction, and prepare mitigative measures to minimize environmental and socio-economic impacts.

Report Title	**Conducted by**:	**Date**
The 2007-2008 Stage 1 Archaeological Assessment of the Proposed NPS 12 Natural Gas Pipeline to Service, the Northland Power Plant, City of Thorold, Niagara Regional Municipality, Ontario	D.R. Poulton & Associates Inc.	March 2008
Environmental Report: Pipeline To Serve the Proposed Thorold Cogen L.P.	Stantec Consulting Limited	April 2008
Geotechnical Investigation Proposed Gas Pipeline Crossing at Highway 58 and Beaverdams Creek, Thorold, Ontario	Golder Associates Limited	March 2009
The 2009 Stage 2 Archaeological Assessment of the Proposed NPS 12 Natural Gas Pipeline to Service, the Northland Power Plant, City of Thorold, Niagara Regional Municipality, Ontario	D.R. Poulton & Associates Inc.	May 2009

Construction of this pipeline began on April 20, 2009 and was completed on August 26, 2009. The pipeline was commissioned on December 14, 2009.
On December 16, 2010, Enbridge requested an extension to the filing date for the final monitoring report until May 2011.

The Final Post-Construction Report has been prepared in accordance with the OEB EB-2008-0065 Board Staff Proposed Conditions of Approval as described below:

3.1 Both during and after construction, Enbridge shall monitor the impacts of construction, and shall file four copies of both an interim and a final monitoring report with the Board. The interim monitoring report shall be filed within six months of the in-service date, and the final monitoring report shall be filed within fifteen months of the in-service date. Enbridge shall attach a log of all complaints that have been received to the interim and final monitoring reports. The log shall record the times of all complaints received, the substance of each complaint, the actions taken in response, and the reasons underlying each action.

3.2 The interim monitoring report shall confirm Enbridge adherence to Condition 1.1 and shall include a description of the impacts noted during construction and the actions taken or to be taken to prevent or mitigate the long-term effects of the impacts of construction. This report shall describe any outstanding concerns identified during construction.

3.3 The final monitoring report shall describe the condition of any rehabilitated land and the effectiveness of the mitigation measures undertaken. The results of the monitoring programs and analysis shall be included and any recommendations made as appropriate. Any deficiency in compliance with any of the Conditions of Approval shall be explained.

This report is limited to items that have been identified prior to May 20, 2011. Prior to construction there were many activities conducted related to this pipeline project, including environmental assessments, public meetings, archaeological assessments, OEB hearings, and background studies. This report will not review all these items in detail, but will summarize that all disturbed or impacted areas due to construction activities are restored to their original state or better and that Enbridge does not foresee any future issues related to this construction.

2.0 Project Description

This pipeline was constructed to provide a reliable supply of natural gas to meet the demands of the Thorold Cogen L.P. located on the Abitibi-Consolidated Inc. – Thorold Division in Thorold, Ontario.

The pipeline is connected to an existing TransCanada Pipelines (TCPL) natural gas transmission pipeline at the newly constructed Thorold Townline Road Gate Station located at 4832 Thorold Townline Road in Niagara Falls, ON. The pipeline ends at the Thorold Cogen L.P., located on the property of Abitibi Consolidated Inc. – Thorold Division in the town of Thorold, ON. The pipeline is approximately 2.9 km in length. Appendix A shows the constructed pipeline within a regional context.

3.0 Environmental Inspection

In order to ensure that environmental commitments were honoured and that the best industry practices were used, a full time Chief Inspector was onsite. In general, the duties of the Chief Inspector included the following items:

- provide advice to the Project Manager, Construction Inspectors, and all construction personnel regarding compliance with environmental legislation, regulations and industry standards;
- provide advice regarding adherence to environmental specifications and commitments made in the previously mentioned documents and to regulatory agencies, including the OEB;
- provide advice on erosion protection measures to be taken in sensitive locations in the vicinity of the watercourse crossing;
- act as a liaison with environmental regulators, government agencies and interest groups;
- provide immediate advice regarding spill prevention and contingency; and,
- ensure appropriate waste disposal of any hazardous construction wastes.

An Enbridge Environment, Health and Safety (EHS) Specialist also conducted routine inspections of the ongoing construction to identify environmental issues which needed to be addressed and communicated these to the Project Manager.

4.0 Construction Effects and Mitigation Measures

Construction effects and mitigation measures which were implemented to minimize the potential effects the construction of the pipeline to serve the Thorold Cogen L.P. are

summarized in Table 1 provided on the following pages. All activities were conducted in adherence to the contract documentation and Enbridge Construction Policies and Procedures.

Table 1.

Construction Effects and Mitigation Measures

Activity	Duration	Potential Effect	Mitigation Measures
Vegetation Cover	Throughout Construction (April 2009-August 2009)	Permanent removal of vegetation. Aesthetic degradation. Changes in surface drainage patterns affecting amount of water available. Changes to sunlight or wind exposure regimes.	Limits of work area were marked to minimize encroachment into adjacent agricultural, wooded and vegetated areas. Majority of construction completed within existing road allowance
Topsoil Handling	Throughout Construction	Disruption of surface and subsurface soils. Soil mixing may result in loss of productivity.	Contractor stripped topsoil and stockpiled separately from subsoil. Mixing of soils was minimized. Segregated topsoil was replaced on surface during backfilling.
Watercourse Crossing	May and June 2009	Disruption of watercourse through siltation and sedimentation. Erosion of channel banks and loss of vegetation cover. Contamination of surface water. Interruption of subsurface drainage along pipeline trench.	Crossing of Beaverdams Creek was completed by directional drill. Watercourse crossing permit was obtained from the Niagara Peninsula Conservation Authority. Sediment fencing installed to prevent sedimentation and siltation.
Traffic Control	Throughout Construction	Exposure of construction crews to vehicular traffic.	Contractor to ensure Enbridge traffic control plan has been completed and has been set up in accordance with the prescribed Traffic Layout. Paid duty police officer to monitor vehicular and pedestrian traffic.

Table 1.

Construction Effects and Mitigation Measures

Activity	Duration	Potential Effect	Mitigation Measures
Road Crossings	Throughout Construction	Open cut roads inconvenience motorists and traffic flow. Restricted access to businesses and residences.	Two road crossings (Thorold Townline Road and Niagara Falls Road) were completed by open cut trenching. Crossings were conducted during times of low traffic volume to avoid congestion. Warning signs and barricades were set up to increase visibility and prevent public access. Paid duty police officer to monitor vehicular and pedestrian traffic.
Noise	Throughout Construction	Disturbances to sensitive receptors (i.e. seniors' homes, schools).	Construction equipment conformed to guidelines for sound and emission levels.
Archaeological Monitoring	Throughout Construction	Disturbance and potential destruction of archaeological artifacts.	D.R. Poulton conducted a Stage 1 and Stage 2 Archaeological Assessment prior to construction to identify areas of high potential for artifacts.
Trenching and Excavation	Throughout Construction	Open trenches present a hazard to vehicular and pedestrian traffic. Restricts access. Sedimentation into storm sewers.	Protective barricades (i.e., snow fence, concrete barriers) were erected around trenches and excavations during construction activities. Permeable fabric barriers were installed beneath all storm sewer covers to minimize sediment infiltration.
Utility Crossings	Throughout Construction	Minimum distance separation from buried or above-ground services may not provide sufficient room within a road right-of-way (R.O.W.) for the installation of a gas pipeline; damage to utilities may inconvenience landowners	In accordance with the Enbridge Policies and Procedures, locates were obtained prior to any excavation work. Warning signs posted in vicinity of overhead power lines One (1) crossing of Canadian National Railways was completed by directional drill.
Spills	Throughout Construction	Contamination of air, soil, surface water or ground water. Inconvenience to landowners and public	As required, contractor had spill containment kits at the project site. There were no reportable spills during the construction of this pipeline.

Table 1.

Construction Effects and Mitigation Measures

Activity	Duration	Potential Effect	Mitigation Measures
Hydrostatic Testing	July 2009	Disruption of water supply to landowners or emergency services. Uncontrolled discharge of water could cause erosion, sedimentation and contamination of surface water supplies.	Water for the hydrostatic was transported to, and removed from the site by tanker truck. No significant adverse environmental effects resulted from the hydrostatic testing and dewatering procedures.
Pipe Energizing	August 2009	Inconvenience and/or negative health effects to nearby landowners and the public.	Energizing was completed in accordance with Enbridge Policies and Procedures.
Clean-Up	Throughout Construction	Restores the pipeline easement to pre-construction conditions.	Clean up activities were conducted in accordance with the Enbridge Construction Manual. Results of the clean-up program will be examined again in the spring of 2011.

5.0 Residual Issues

The Interim Monitoring Report filed with the OEB in June 2010 identified two outstanding issues related to revegetation and watercourse crossings. As listed in the interim report, the following sections of road allowance required additional restoration and revegetation:

- North side of Niagara Falls Road in the vicinity of
    - 1108 Niagara Falls Road
    - 1201 Niagara Falls Road

Vegetation has reestablished along the road allowances in all the areas mentioned above where it was disturbed due to construction.

Erosion control devices (i.e. silt fence and straw bales) were installed to control erosion and sedimentation at the following locations:

- East side of Thorold Townline Road, north of Thorold Townline Road Gate Station
- West side of Thorold Townline Road, north and south sides of Beaverdams Creek.

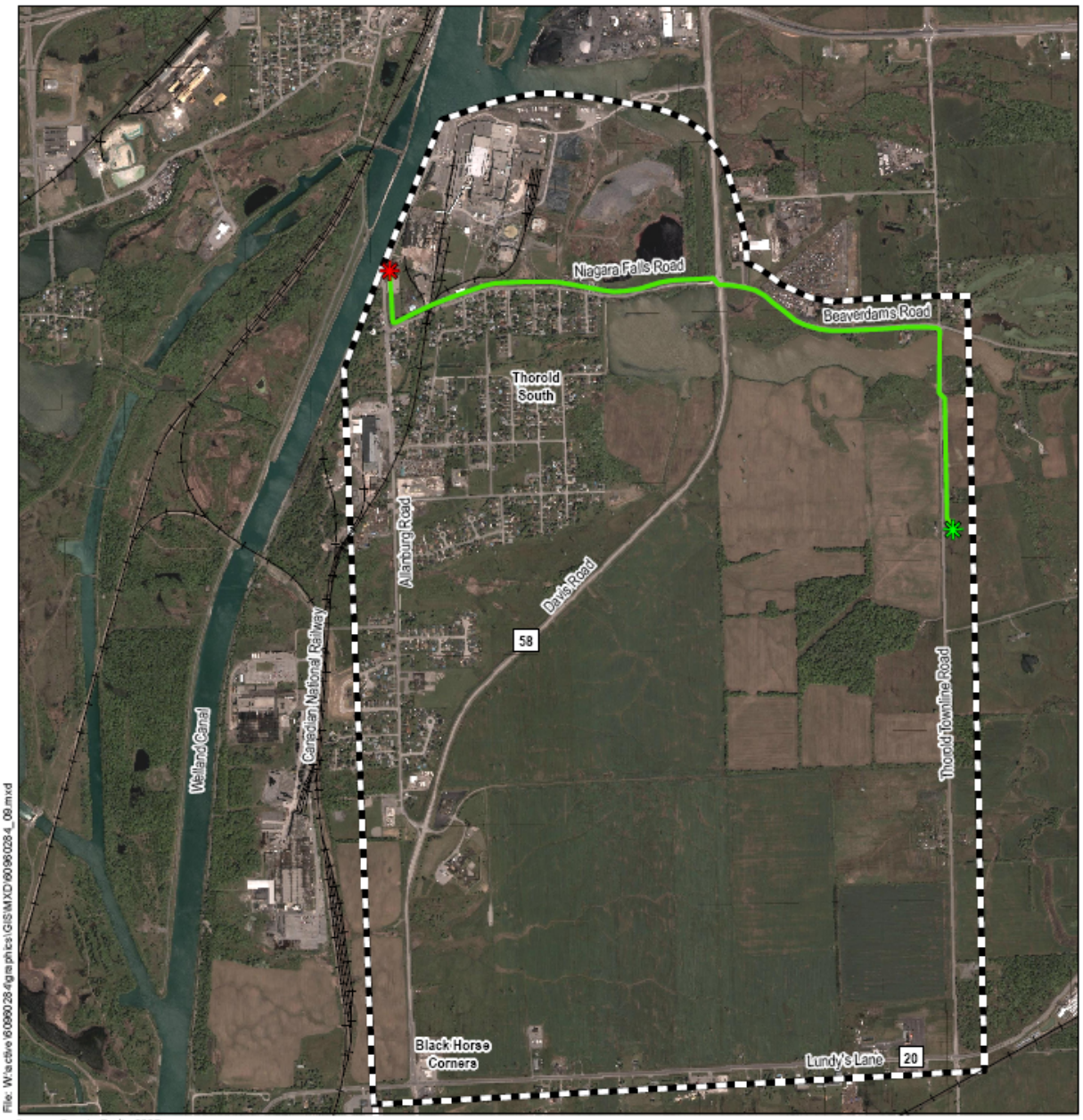
Revegetation efforts have been successful at these two locations and the erosion control devices have been removed from the site.

6.0 Summary

This Final Post-Construction Environmental Monitoring Report has been prepared in accordance with the OEB Decision docket number RP-2008-0065. It documents construction and clean-up activities between the summer and winter of 2010. Measures implemented during construction and clean-up have been successful.

APPENDIX A

PIPELINE ROUTE MAP



File: W:\active\60960284\graphics\GIS\MXD\60960284_09.mxd

Source: Google Earth, 2007.

Study Area Boundary

Alternative Preferred Route

Start Point

Termination Point

Stantec

0 100 200 300 400 Meters

1:20,000

PREPARED FOR:

ENBRIDGE GAS DISTRIBUTION INC.
PROPOSED NORTHLAND PIPELINE

FIGURE NO. A-4

PREFERRED ROUTE

Initiated: March, 2008
Revised:

APPENDIX B

PHOTO LOG
(May 2011)

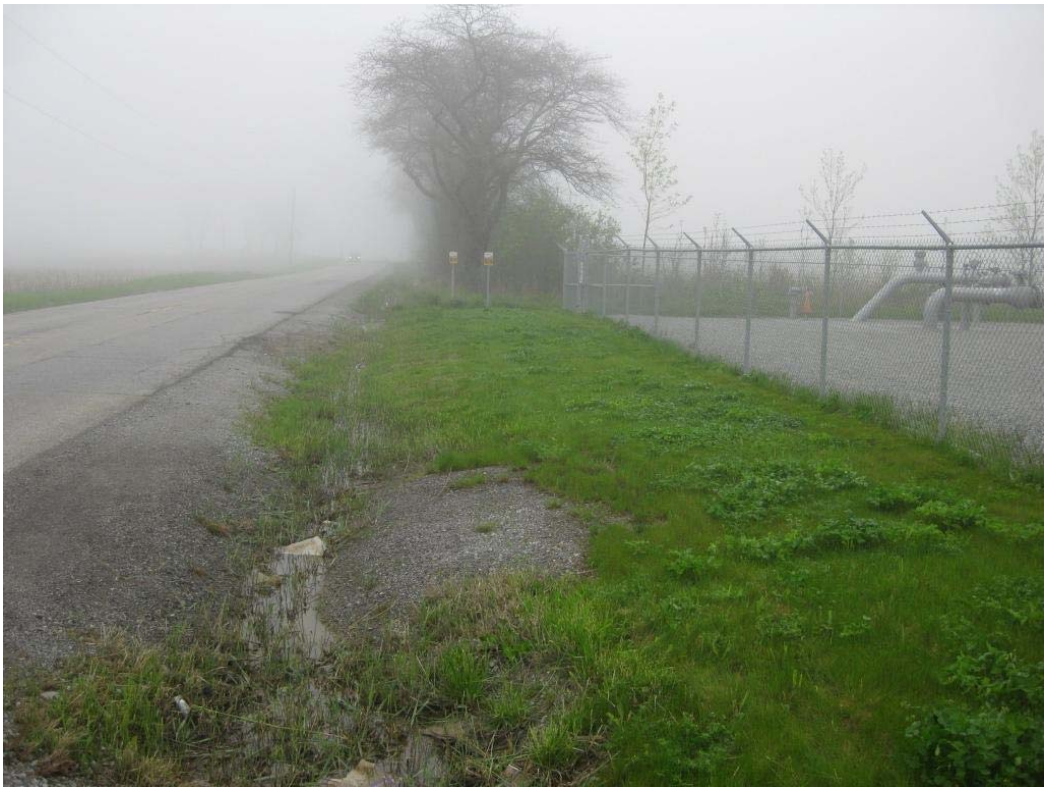


Photo 1 – Looking north along Thorold Townline Road at Gate Station

Photo 2 – Looking north along Thorold Townline Road; north of Gate Station

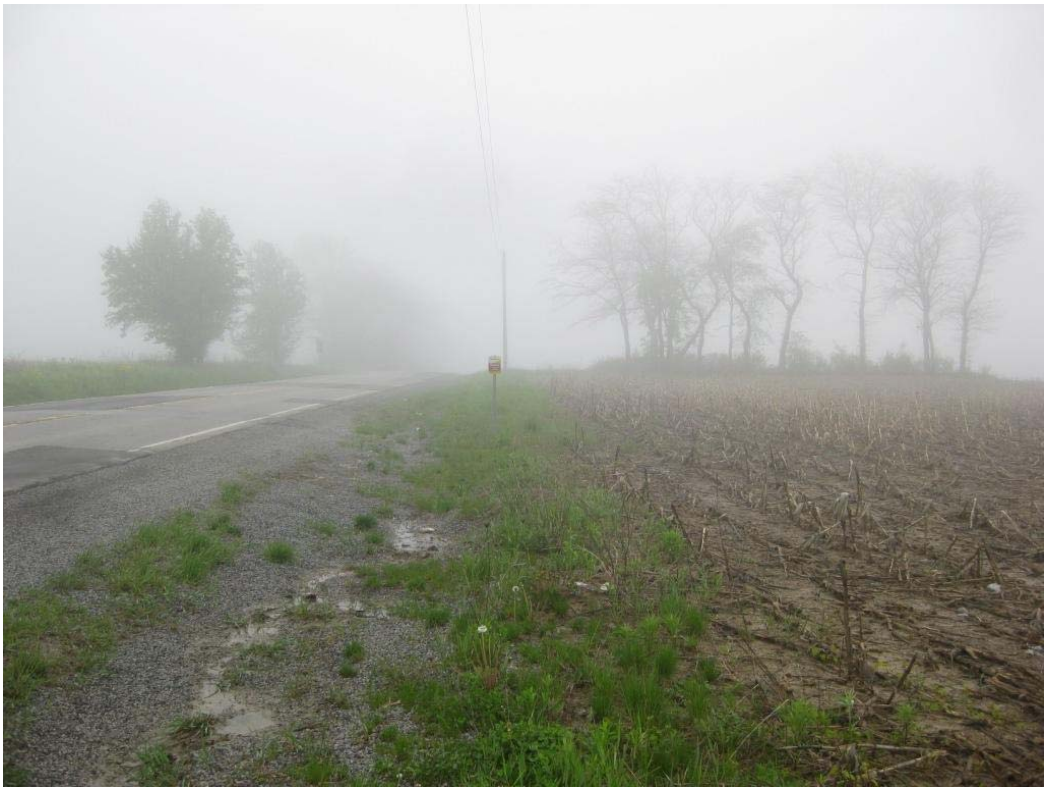


Photo 3: Looking south along Thorold Townline Road, south of Beaverdams Creek

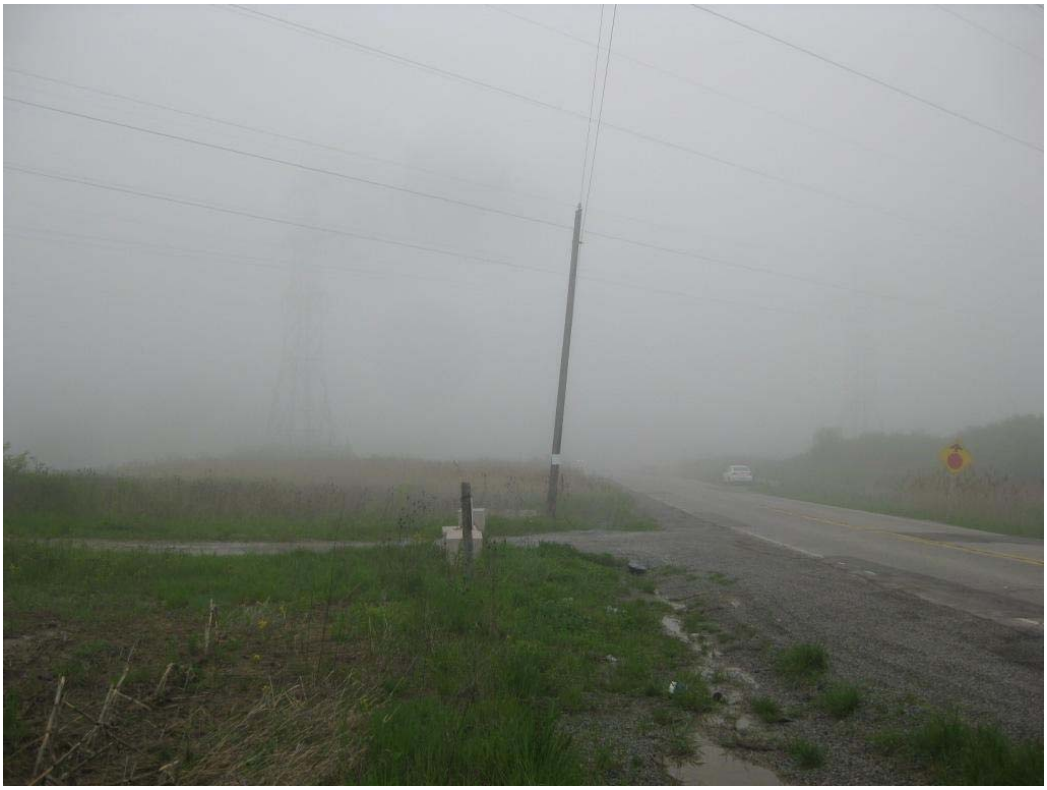


Photo 4: Looking north along Thorold Townline Road, south of Beaverdams Creek

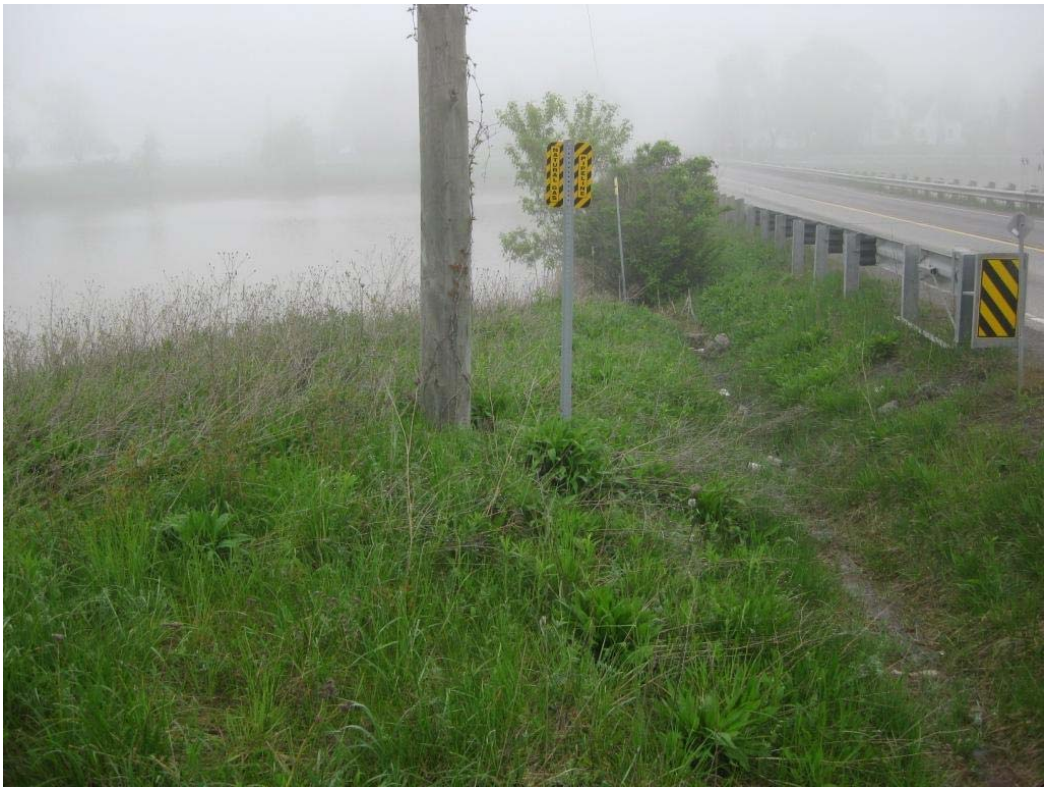


Photo 5 – Looking north along Thorold Townline Road; south side of Beaverdams Creek

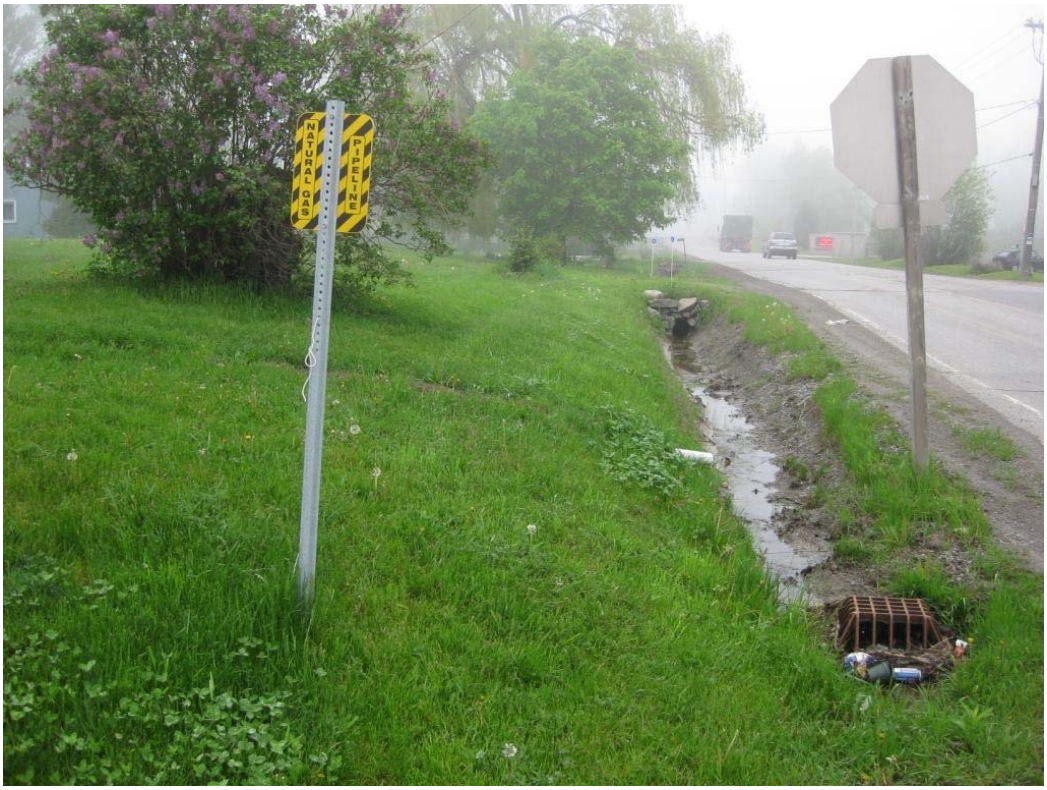


Photo 6 – Looking north along Thorold Townline Road, north of Beaverdams Road

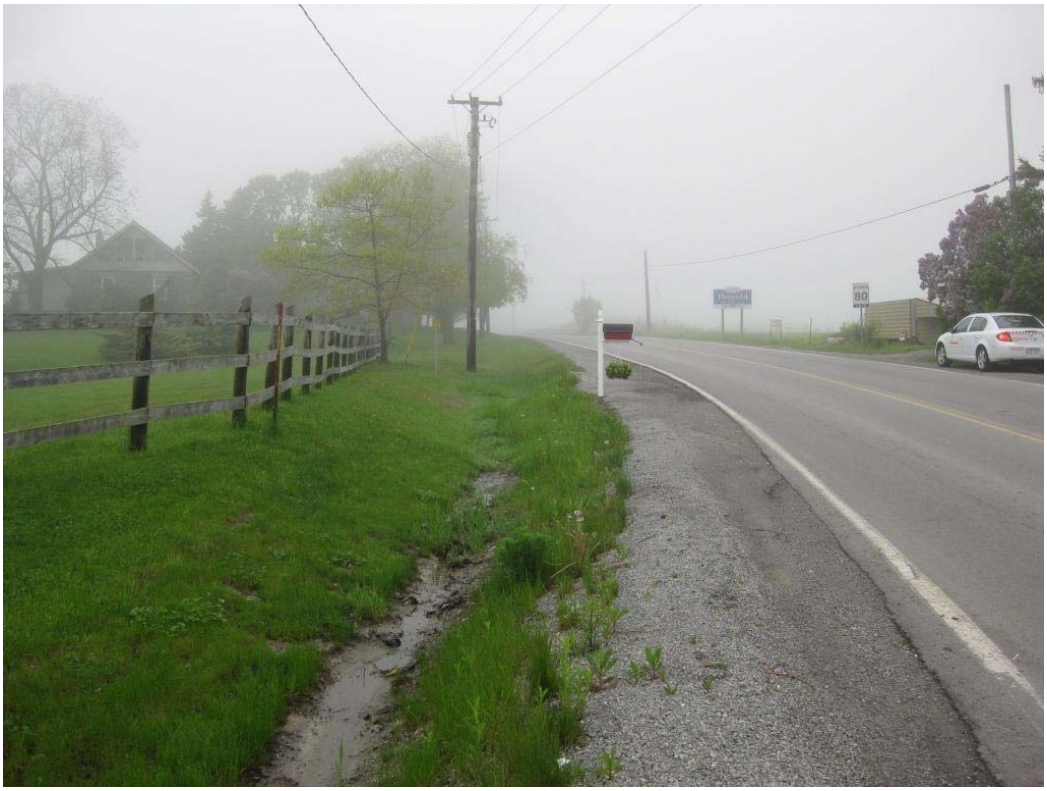


Photo 7 – Looking west, just east of 1021 Beaverdams Road

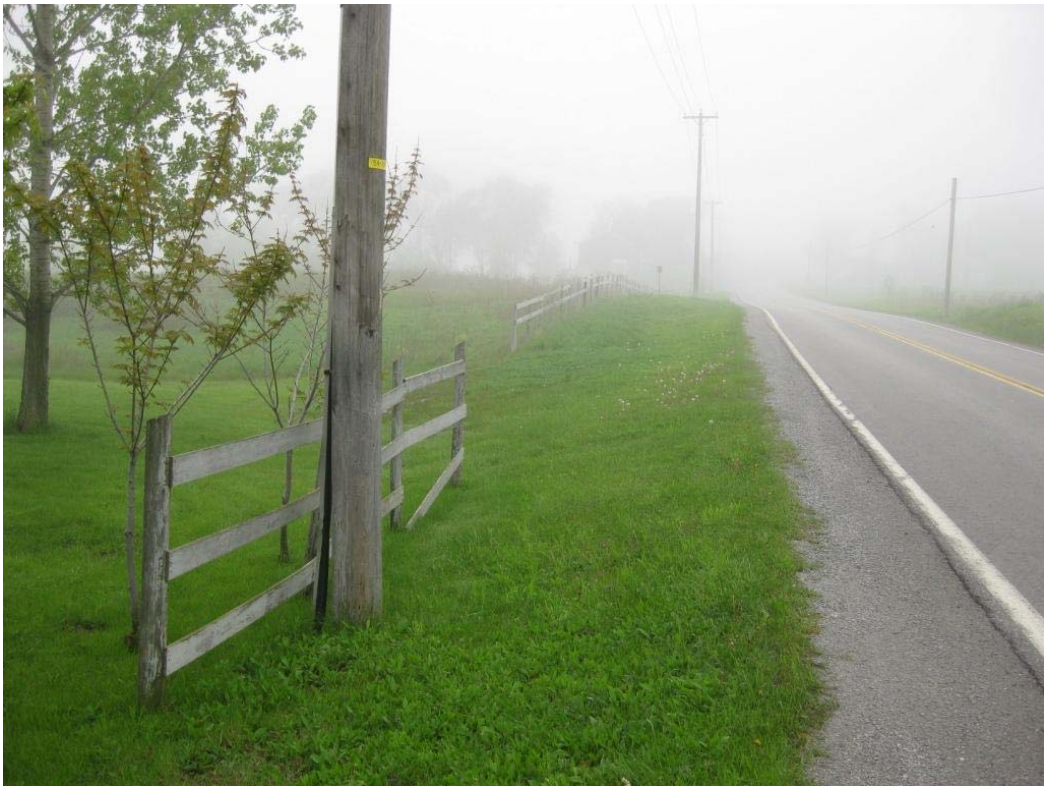


Photo 8 – Looking west, just west of 1021 Beaverdams Road

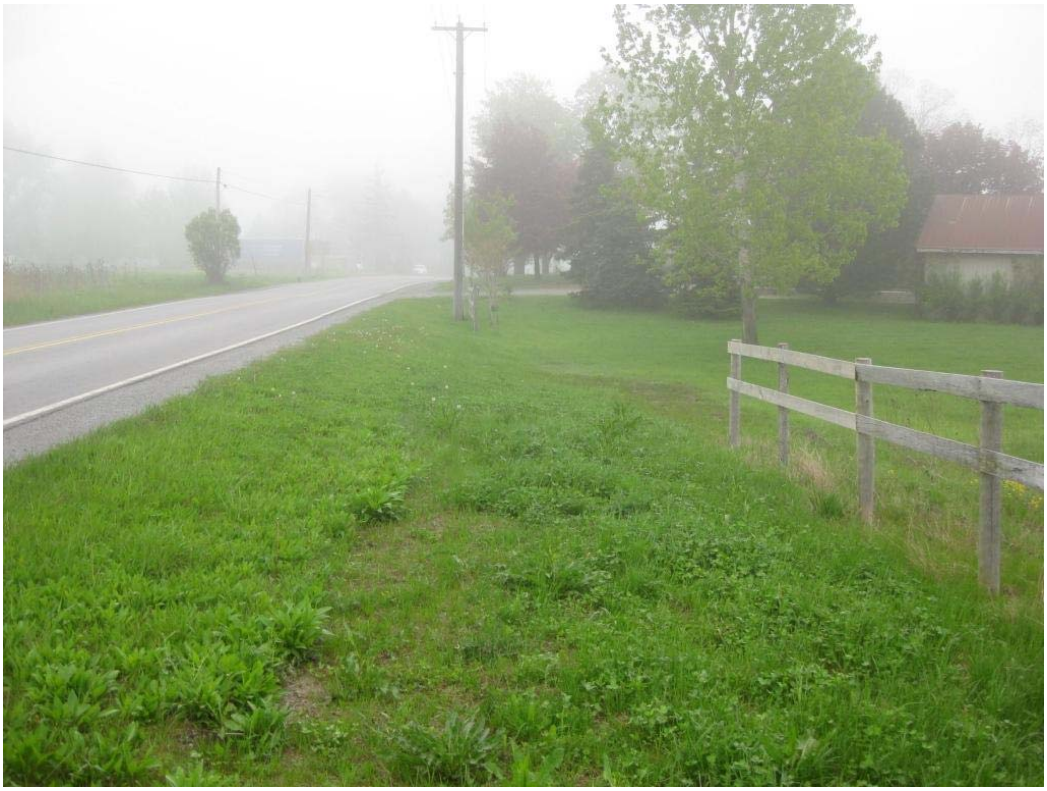


Photo 9 – Looking east along Beaverdams Road just west of 1021 Beaverdams Road

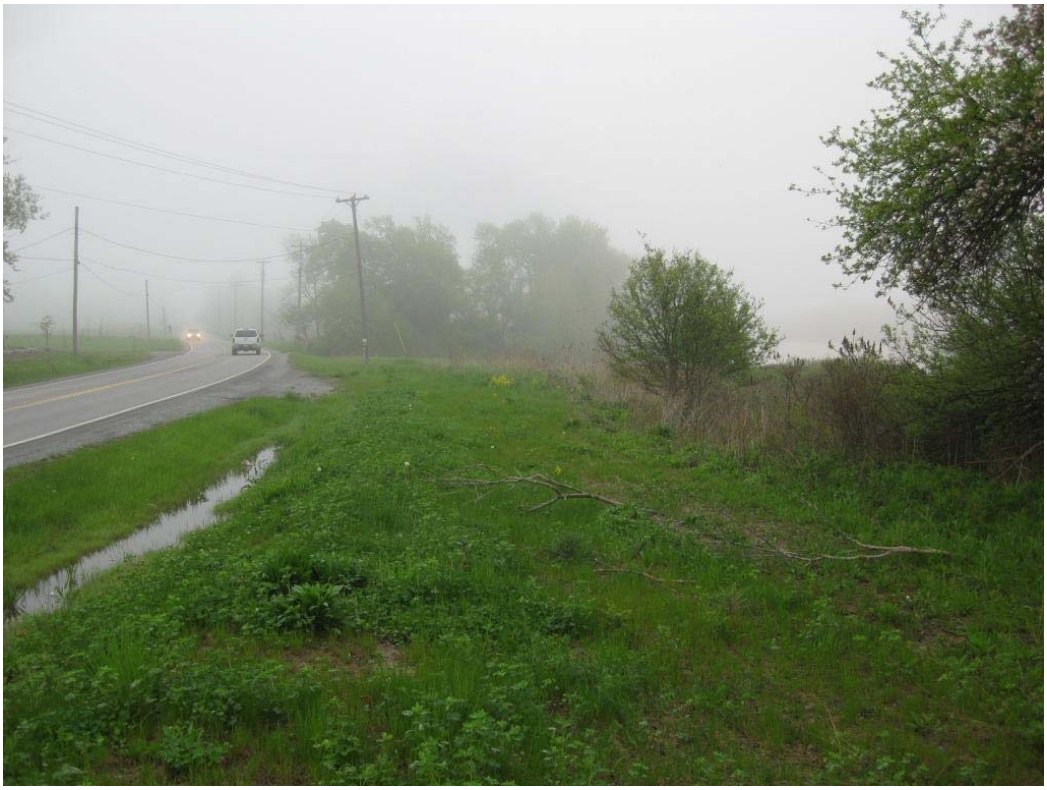


Photo 10 – Looking east along Beaverdams Road; across from 1108 Beaverdams Road

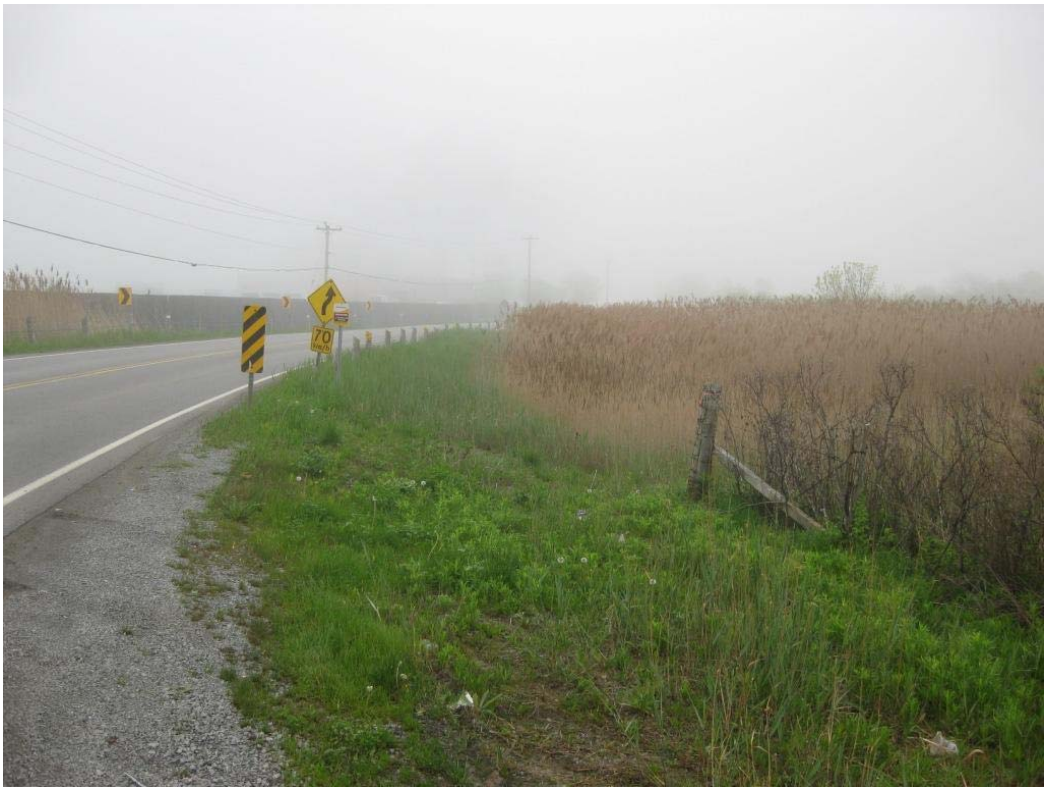


Photo 11 – Looking west, just east of Highway 58


Photo 12 – Looking west, east of Highway 58

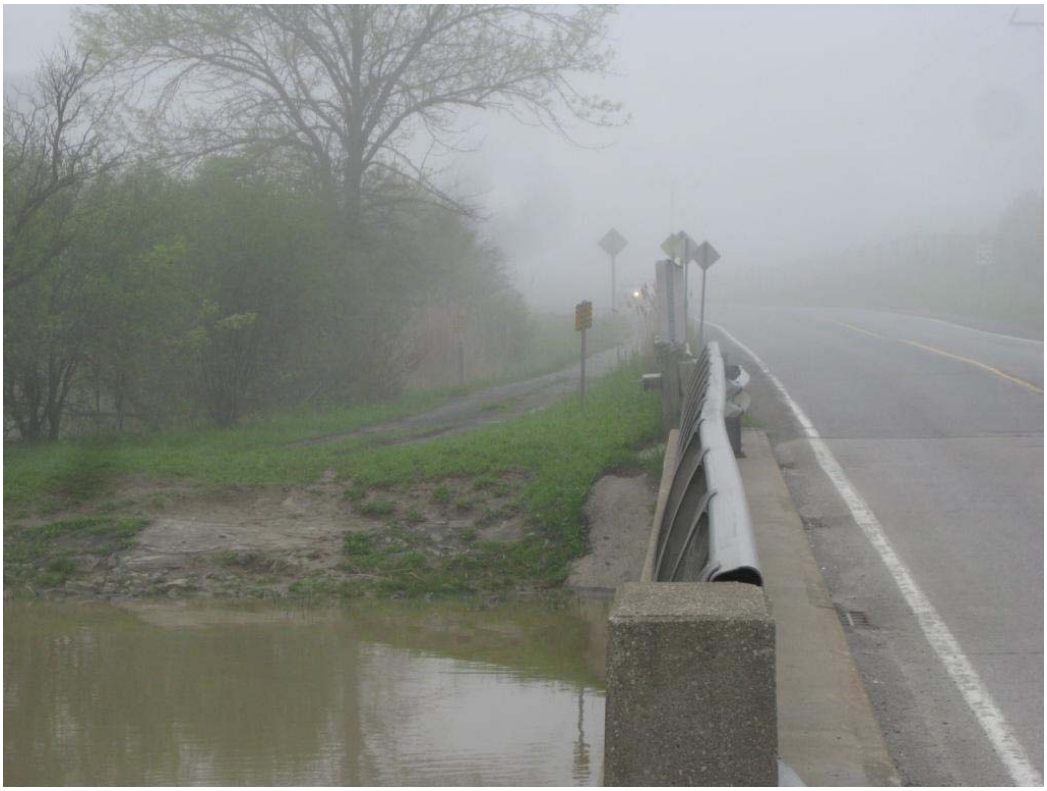


Photo 13 – Looking west, west of Highway 58

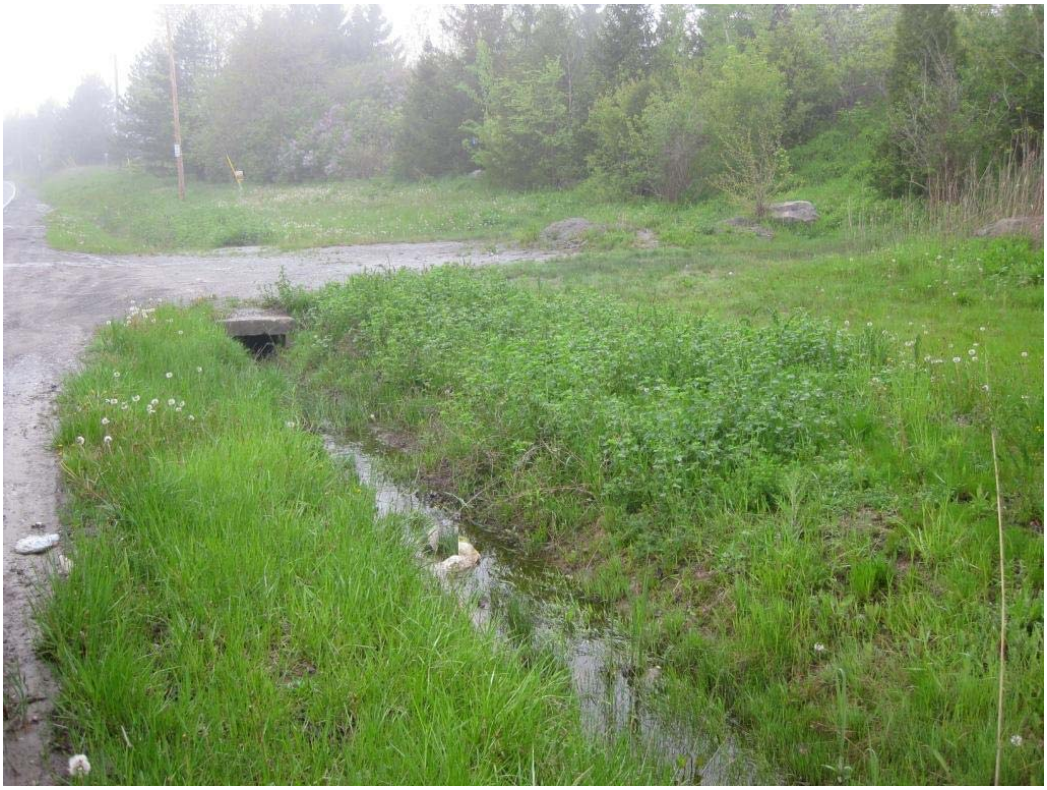


Photo 14 – Looking west along Beaverdams Road towards railway crossing

Photo 14 – Looking west along Beaverdams Road, just east of Allanburg Road

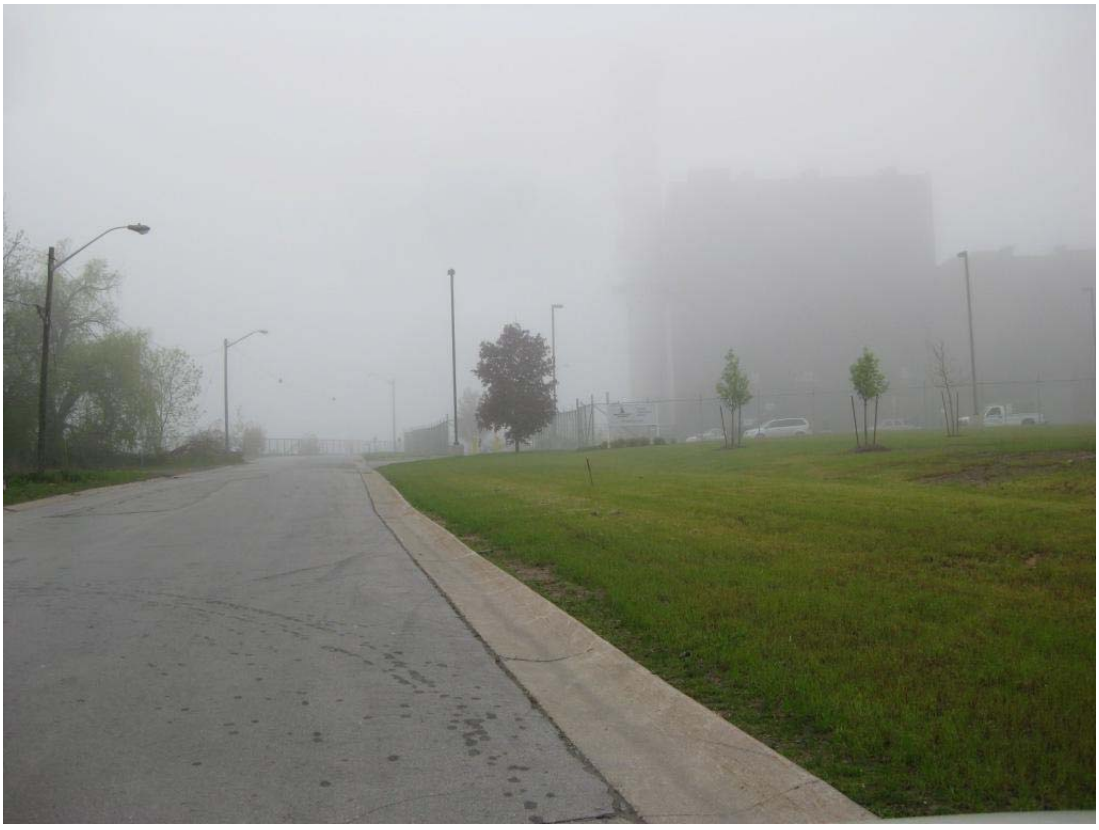


Photo 15 – Looking north along Allanburg Road