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**VIA Email, RESS and Courier**

July 5, 2019

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

Dear Ms. Walli:

**Re: Enbridge Gas Inc. ("Enbridge Gas")  
Ontario Energy Board ("Board") File No.: EB-2018-0096  
Liberty Village Pipeline Project – Leave to Construct - Post - Construction Interim  
Monitoring Report**

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On September 27, 2018, the Board, in its Decision and Order for the above noted proceeding, granted Enbridge Gas leave to construct pipeline facilities to meet current and future natural gas demand in the Liberty Village neighbourhood of the City of Toronto.

Pursuant to Condition of Approval 6. a) in the aforementioned Decision and Order, Enbridge Gas is to provide the Board with a post construction report within three months of the in- service date. Please find enclosed a copy of the Post-Construction Interim Monitoring Report ("Interim Report") for the Liberty Village Pipeline Project.

Please contact me if you have any questions.

Yours truly,

(Original Signed)

Joel Denomy  
Technical Manager  
416-495-5676

# Liberty Village Pipeline Project: Post-Construction Interim Monitoring Report

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Company: Enbridge Gas Inc.



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## Introduction

On September 27, 2018 the Ontario Energy Board (“OEB”), under the Decision and Order for EB-2018-0096, granted Enbridge Gas Inc. (then Enbridge Gas Distribution Inc.) (“Enbridge Gas”) leave to construct pipeline facilities to meet current and future natural gas demand in the Liberty Village neighbourhood of the City of Toronto. This project is referred to as the Liberty Village Pipeline Project (“The Project”).

This is the Post-Construction Interim Monitoring Report (“Interim Report”) for the Project.

As part of the Project, Enbridge Gas conducted the following studies to inform the design, planning and permitting process, identify environmental and socio-economic impacts potentially resulting from construction, and minimize and mitigate impacts through the application of documented mitigation measures:

<u>Report Title</u>	<u>Conducted by:</u>	<u>Date</u>
Stage 1 Archaeological Assessment Liberty Village Pipeline Project Ordinance Reserve	Archaeological Services Inc.	March 9, 2018
Proposed Liberty Village Pipeline Project - Environmental Report	GHD Inc.	April 4, 2018
Proposed Liberty Village Pipeline Project – Amended Environmental Report	GHD Inc.	June 20, 2018
Suspect Soil Management Plan Liberty Village Reinforcement Pipeline, Toronto, Ontario	Dillon Consulting Limited	December 14, 2018

Construction on the Project began on October 15, 2018 and substantial completion was achieved on March 22, 2019. The pipeline was energized and in-service on March 28, 2019. Enbridge Gas filed, in accordance with the Conditions of Approval (“COA”) for the project, notifications of these Project milestones with the OEB.<sup>1</sup>

This Interim Report was prepared to satisfy the Conditions of Approval (“COA”) set out in Decision and Order for EB-2019-0096, as follows:

*6a) Enbridge shall monitor the impacts of construction and shall file with the Board one paper copy and one electronic (searchable PDF) version of a post construction report, within three months of the in-service date, which shall:*

- i) Provide certification, by a senior executive of the company, of Enbridge’s adherence to Condition 1:*
- ii) Describe any impacts and outstanding concerns identified during construction;*
- iii) Describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of construction;*

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<sup>1</sup> Please refer to the letters dated October 1, 2018, March 18, 2019 and March 29, 2019.

- iv) *Include a log of all complaints received by Enbridge, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions; and*
- v) *Provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licenses, and certificates required to construct, operate and maintain the proposed project.*

The Certifications required pursuant to COA 6 a) i) and 6 a) v) can be found in Appendix A.

## Project Description

The Liberty Village Project included three segments of natural gas pipeline totaling approximately 1.2 km. The first segment is approximately 900 m of nominal pipe size (“NPS”) 8 inch intermediate pressure steel pipe that will serve to reinforce the existing natural gas distribution system. The second segment is approximately 200 m of NPS 6 inch intermediate pressure plastic pipe. The third segment is approximately 85 m of NPS 4 inch intermediate pressure plastic pipe. The latter two segments are main extensions that will provide natural gas service to a number of new condominiums and mixed use towers (refer to Appendix B - Figure 1 for Final Pipeline Location Figure).

## Construction Effects and Mitigation Measures

All construction and rehabilitation activities comply with the Conditions of Approval set out in the OEB Decision and Order for EB-2018-0096, including ensuring that the requirements of all approvals, permits, licenses and certificates are fully addressed. In addition, the Project activities were conducted in accordance with Enbridge Gas’ Construction Policies and Procedures and the environmental effects monitoring outlined in Section 5.0 of the Proposed Liberty Village Pipeline Project– Amended Environmental Report (ER). The ER evaluated potential impacts and concerns and proposed mitigation measures to reduce and/or eliminate them.

Many of the potential environmental effects identified in the ER were avoided by locating the pipeline within existing road allowance and previously-disturbed utility corridors. Inspectors monitored construction for potential environmental concerns, provided guidance on environmental protection, as required, and contributed to successful Project completion.

During construction activities, no impacts/concerns were identified.

### CONSTRUCTION WITHIN SPECIES AT RISK HABITAT

As part of the environmental assessment process, GHD confirmed with Ministry of Natural Resources and Forestry (“MNR”) that there were no known species at risk (“SAR”) in the vicinity of the project area.

## CONTAMINATED SOILS MANAGEMENT

Dillon Consulting Limited (“Dillon”) was retained by Enbridge Gas to develop a Soil Management Plan (“SMP”) in advance of the installation of Section 1 of the Project. The route for Section 1 of the Project is as follows:

- West on King Street West from Jefferson Avenue to Atlantic Avenue;
- South on Atlantic Avenue from King Street West to Snooker Street;
- East on Snooker Street;
- South on Hanna Avenue from Snooker Street to East Liberty Street; and
- East on East Liberty Street from Hanna Avenue to Pirandello Street.

To characterize the environmental quality of soil in this area, Dillon reviewed available environmental documents and conducted a subsurface soil investigation on October 29 and 30, 2018. Soil samples were collected and submitted for analysis of metals, petroleum hydrocarbon compounds (“PHCs”), benzene/toluene/ethylbenzene/xylenes (“BTEX”), volatile organic compounds (“VOCs”) and polycyclic aromatic hydrocarbons (“PAHs”). Soil analytical results were compared to the Ministry of the Environment, Conservation and Parks (“MECP”) Table 3, Generic Site Condition Standards in a Non-Potable Ground Water Condition under Ontario Regulation (O. Reg.) 153/04. Contaminant concentrations that exceeded the MECP Table 3 Site Condition Standards included zinc and PAHs [benzo(b)fluoranthene and benzo(a)pyrene].

The identified contaminants are not considered volatile and; therefore, do not pose an inhalation hazard. The primary exposure risk is through direct/dermal contact. Dillon provided recommendations for health and safety precautions to protect construction workers during the project.

Analysis for waste characterization under O. Reg. 347 was also conducted. This analysis verified that the soil could be disposed of as solid non-hazardous waste at a MECP licensed facility. Based on the results of analysis, Dillon recommended that soil within the following project areas be managed off-site as waste:

- King Street West;
- On Hanna Avenue between Snooker Street to north of East Liberty Street; and
- From eastern portion of East Liberty Street to Pirandello Street (please refer to Appendix B - Figure 2 for Soil Management Plan Figure).

From November 19, 2018 to March 2019, contaminated soil was removed from identified areas and disposed at MECP approved receiving sites.

## SPILLS

No spills were reported during construction activities.

## DISRUPTION TO RESIDENTS

Prior to construction, communication with residents and businesses along the construction route was established, and every reasonable effort was made to address concerns and maintain good relationships with landowners. Enbridge Gas ensured that construction noise levels met the minimum

applicable performance standards, and that work was limited to daytime hours (in compliance with noise bylaws).

## TRAFFIC DISRUPTION

The Project was constructed and located within municipal road allowances. As a result, pedestrian and vehicular traffic flow along the roadways and sidewalks was modified during construction. In addition to communicating with residents and businesses along the construction route, Enbridge Gas retained OTS (an experienced traffic control contractor) and paid duty police officers, as required, to coordinate and conduct traffic control along all affected roadways and sidewalks. Traffic control measures included applying traffic restrictions (timing of lane closures and truck traffic) and installing appropriate signage along the affected route.

A field safety presentation was conducted for all on-site personnel on December 11, 2018 to maintain heightened vigilance around pedestrian safety.

Additional measures, including movement of equipment and material to compounds off of East Liberty Street was required to ensure pedestrian safety during from March 18 to 22, 2019 in order to accommodate City of Toronto events occurring in the immediate vicinity.

## POST CONSTRUCTION SITE CONDITIONS

Restoration along the pipeline corridor included reinstatement of asphalt road surfaces and concrete and brick sidewalks and was conducted on an ongoing basis, with restoration beginning in areas where construction was complete. These areas were monitored during site inspections to ensure appropriate restoration measures were completed and to monitor the success of restoration.

The table below shows current conditions along the pipeline route and the action planned for each outstanding issue. Refer to Appendix C for the photo log.

PHOTO #	LOCATION	CURRENT CONDITION	ACTION
Photo 1	Tie-in at King St W/west of Jefferson Ave (looking west)	Temporary restoration has been completed. Permanent restoration is planned for July 2019, pending receipt of a noise exemption permit from the City of Toronto.	None required.
Photo 2	King St W/Jefferson Ave intersection (looking south)	Complete. Curb restored to pre-construction condition.	None required.
Photo 3	Atlantic Ave/Snooker St intersection (looking east).	Complete. Roadway restored to pre-construction condition.	None required.

PHOTO #	LOCATION	CURRENT CONDITION	ACTION
<b>Photo 4</b>	Hanna Ave (looking south)	Complete. Roadway and curb/pavers restored to pre-construction condition.	None required.
<b>Photo 5</b>	Hanna Ave/East Liberty St intersection (looking north)	Complete. Roadway and curb/pavers restored to pre-construction condition.	None required.
<b>Photo 6</b>	Hanna Ave/East Liberty St intersection (looking south)	Complete. Roadway and curb/pavers restored to pre-construction condition.	None required.
<b>Photo 7</b>	East Liberty St (looking east)	Complete. Roadway and curb restored to pre-construction condition.	None required.
<b>Photo 8</b>	East Liberty St/Western Battery Rd intersection (looking north)	Temporary restoration has been completed. Permanent restoration is planned for August 2019.	None required.
<b>Photo 9</b>	East Liberty St/Strachan Ave intersection (looking east)	Complete. Roadway restored to pre-construction condition.	None required.
<b>Photo 10</b>	Ordinance St (looking east)	Temporary restoration has been completed. The developers of 11/25 and 30/50 Ordinance St will be completing the final restoration once the condominiums are built as the grade is changing significantly on Ordinance St.	None required.



## FIRST NATIONS CONSULTATION

As documented in the ER prepared by GHD, it was confirmed with Ministry of Energy, Northern Development and Mines (“MOENDM”) that the Project would not result in any appreciable adverse impacts to the asserted or established rights of any First Nation or Métis communities. As such, no duty to consult was required for the Project.

## Landowner Comments and Complaints

There are no further unresolved landowner comments or complaints associated with the construction of the Project at the time of completion of this Interim Report. A Complaints Log for the Project can be found in Appendix D.

## Summary

This Interim Report has been prepared in accordance with the OEB Decision and Order for EB-2018-0096. It documents the post-construction and restoration activities completed as part of the construction of the Project from late 2018 to early 2019. Measures implemented during construction and restoration activities have been successful.

A Final Monitoring Report, that will document the remaining site restoration activities, will be filed with the OEB in June 2020.

## Appendix A

### EXECUTIVE CERTIFICATIONS

**Enbridge Gas Inc. Officer's Certificate**

**Re: EB-2018-0096 Decision and Order ("Order")**

To: the Ontario Energy Board

I, NEIL MACNEIL of the City of Toronto, in the Province of Ontario, acting in my position as a senior executive of Enbridge Gas Inc. (EGI) and not in my personal capacity, to the best of my knowledge do hereby certify as follows:

1. My position with EGI is DIRECTOR SYSTEM IMPROVEMENT, and as such I have personal knowledge of, or have conducted due inquiry of individuals who have personal knowledge of, the facts and matters herein stated.
2. EGI has constructed the facilities and restored the land in accordance with the Order. Additional restoration activities noted in the attached Post-Construction Interim Monitoring Report will be completed in July and August of 2019 and reported in the final monitoring report.
3. EGI has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the project that is the subject of the Order.

Name: Neil MacNeil

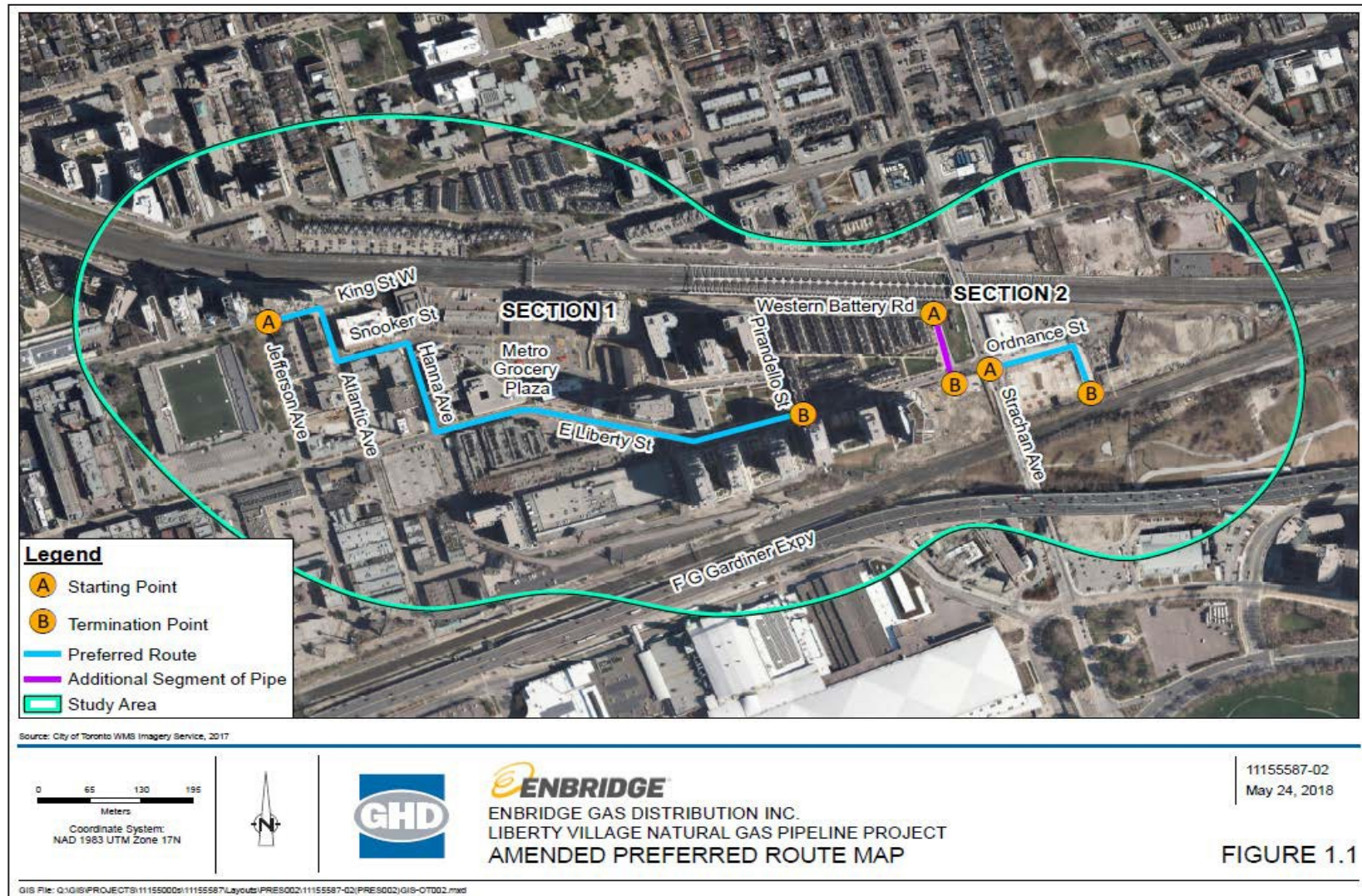
Title: Director, System Improvement

Date: July 5 2019

## Appendix B

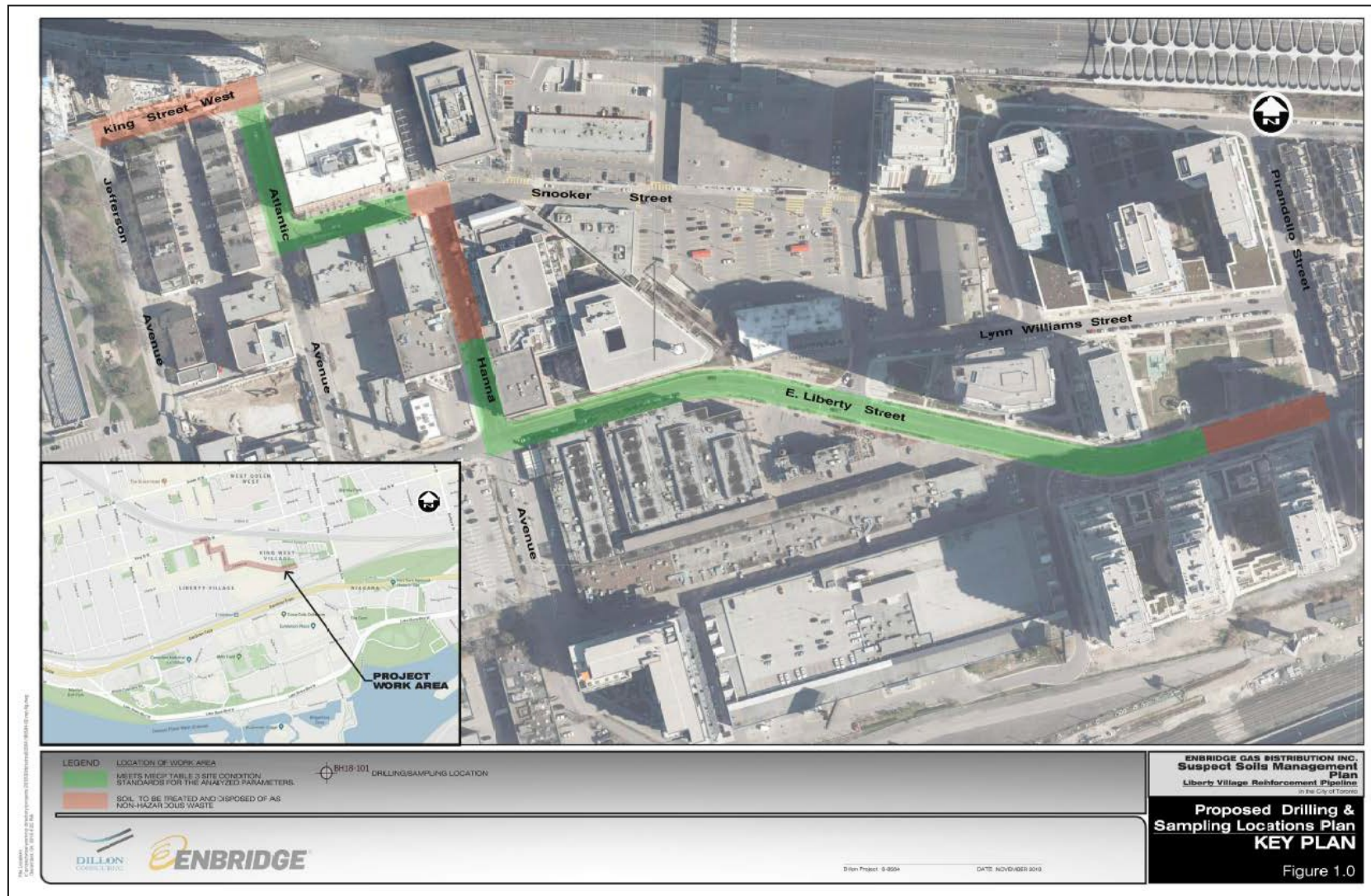
### LOCATION MAP

**Figure 1: Final Pipeline Location Figure**





**Figure 2: Soil Management Plan Figure**

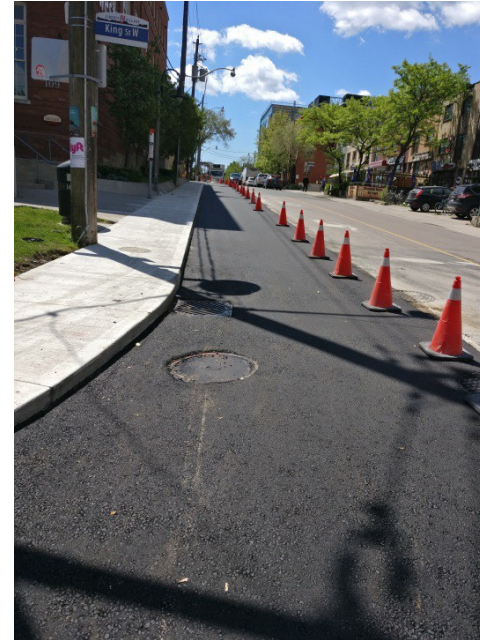


## Appendix C

### PHOTO LOG



**Photo 1: Tie-in at King St W/west of Jefferson Ave (looking west)**



**Photo 2: King St W/Jefferson Ave intersection (looking south)**





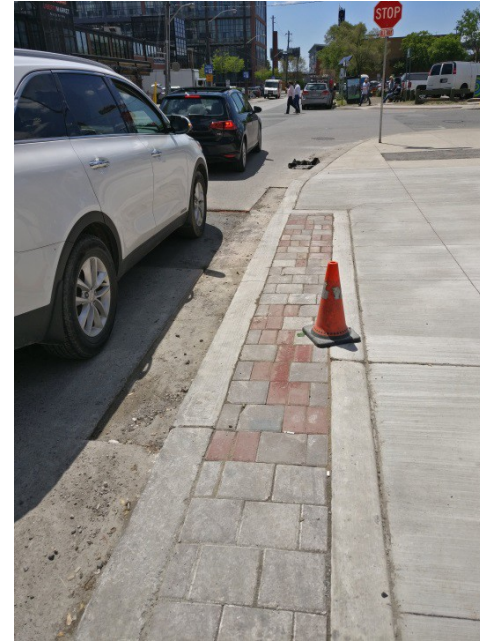
**Photo 3: Atlantic Ave/Snooker St intersection (looking east)**



**Photo 4: Hanna Ave (looking south)**



**Photo 5: Hanna Ave/East Liberty St intersection (looking north)**



**Photo 6: Hanna Ave/East Liberty St intersection (looking south)**



**Photo 7: South side of East Liberty St (looking east)**



**Photo 8: E Liberty St/Western Battery Rd intersection (looking north)**





**Photo 9: East Liberty St/Strachan Ave intersection (looking east)**



**Photo 10: Ordnance St (looking east)**

## Appendix D

### COMPLAINTS LOG

Date Received	Contact Name	Landowner Type	Comment	Resolution
15-Oct-18	Trevor Young	Construction	<b>15-Oct-18</b> - EllisDon concerned with construction overlap as multiple projects going on in a very congested area.	<b>15-Oct-18</b> - Site meeting arranged with Ellis Don. Topics discussed included traffic, parking, and weather on Ordance St. to ensure construction activities could continue without significant delays and ensure worker safety.
17-Oct-18	Did not provide	Residential Tenant	<b>17-Oct-18</b> - Resident observed saw cutting on work by NPL on Western Battery Rd. and complained about the noise from the saw and overall construction in the area.	<b>17-Oct-18</b> - Work has been completed on Western Battery Rd.
23-Oct-18	Did not provide	Customer	<b>23-Oct-18</b> - Customer trying to leave parking garage was delayed as a result of overall congestion in the area. When traffic cleared the customer sped away.	<b>23-Oct-18</b> - Work has been completed on Western Battery Rd. without any further complaints
25-Oct-18	City Councilor's Office	Municipal	<b>25-Oct-18</b> - Residents in the Condos in front of Lynn Williams were concerned 20-30 meters of parking space was taken when NPL (contractor) set up their temporary working space. Residents indicated to councilor's office that residents have permit parking and were not given notification.	<b>4-Nov-18</b> – Enbridge Gas issued notifications to residents during the week of November 4, 2018.
5-Nov-18	Trevor Young	Construction	<b>5-Nov-18</b> - Too many NPL trucks parked on Ordance St.	<b>5-Nov-18</b> - Unnecessary vehicles moved from Ordance St.
5-Nov-18	Leona Knap	Commercial Tenant	<b>5-Nov-18</b> - Owner of the Mad Batter Bakers, upset about the temporary working compound set up on Jefferson Ave on the east side as it was occupying parking spaces and blocking store front.	<b>6-Nov-18</b> - Construction compound was moved to the west side on Jefferson after a meeting with the City Zone Coordinator. Follow up with owner indicated satisfaction with resolution.

Date Received	Contact Name	Landowner Type	Comment	Resolution
7-Nov-18	Sharon Waylitt	Residential Tenant	<b>7-Nov-18</b> - Resident complained that a truck and backhoe parked half on the road and half on the sidewalk and running in front of the Liberty Powers Presentation Center.	<b>8-Nov-18</b> - Inspector followed up with NPL Supervisor and assured resident that this will not occur again.
9-Nov-18	Leona Knap	Commercial Tenant	<b>9-Nov-18</b> - Owner of the Mad Batter Bakers complained about NPL closing down Jefferson St. temporarily and asked how long closure will last; suggested if this remains closed it will begin to affect the other local businesses.	<b>16-Nov-18</b> - Inspector informed owner that the closure would only last one week and Jefferson St. would be back open to the public as of Friday Nov 16, 2018.
20-Nov-18	Police Officer	Police Services	<b>20-Nov-18</b> - Police Office was stopped at Strachan Ave. and Ordnance St. while EGD and NPL were conducting tie-in work. Advised that project must have a paid duty office on site. NPL advised that Paid Duty officers were ordered but officers were not fulfilling request.	<b>20-Nov-18</b> - NPL will continue to order Paid Duty officers as required.
30-Nov-18	Ryan Lambie	Construction	<b>30-Nov-18</b> - Noisy road plates when vehicles driving over.	<b>1-Dec-18</b> - Notified construction team to put down additional asphalt to soften the sound when vehicles drive over.
30-Nov-18	Uber Driver	Commercial	<b>30-Nov-18</b> - Uber driver stopped in work zone to drop off passengers. Construction team advised driver not to be in work area. Driver began to yell and scream at the workers.	<b>30-Nov-18</b> - Construction team took pictures and a report of incident
1-Dec-18	Did not provide	Residential Tenant	<b>1-Dec-18</b> - Resident complained of smell of gas in building at 80 Western Battery Rd.	<b>3-Dec-18</b> - Enbridge Gas attended the site and confirmed area was clear of gas.

Date Received	Contact Name	Landowner Type	Comment	Resolution
6-Dec-18		Construction	<b>6-Dec-18</b> - OTS traffic control person smoking on-site while doing traffic control on East Liberty St. at Pirandello St.	<b>6-Dec-18</b> - Construction lead spoke with the traffic control person and advised smoking is not permitted while working on the site.
11-Dec-18	Craig Gagliano	Residential Tenant	<b>11-Dec-18</b> - Resident complaint regarding the traffic control on Hanna Ave and lack of notification.	<b>11-Dec-18</b> - Construction team confirmed that notices went out to all residents within a geographical area which included 43 Hanna Ave. Further confirmed by Canada Post.
9-Jan-19		Construction	<b>9-Jan-19</b> - Backhoe initiated work at 6:45 am; by-law states that equipment cannot start up until 7:00 am.	<b>9-Jan-19</b> - Inspector reminded NPL crews not to start equipment until 7:00 am.
24-Jan-19	Sharon Waylitt	Residential Tenant	<b>24-Jan-19</b> - NPL crews left coal ash debris in front of Lynn Williams St. sidewalk.	<b>24-Jan-19</b> - Inspector had the debris removed from area.
4-Feb-19	Yasser	Municipal	<b>4-Feb-19</b> - City Inspector came to site to ensure road plates are secure and there were no tripping hazards.	<b>4-Feb-19</b> - NPL complied and checked to ensure all items were secure.
28-Feb-19	Sharon Waylitt	Residential Tenant	<b>28-Feb-19</b> - NPL compound on Lynn Williams St. was identified excessive snow and debris in area.	<b>28-Feb-19</b> - NPL promptly cleaned up snow and debris around compound.
6-Mar-19	Did not provide	Commercial Tenant	<b>6-Mar-19</b> - Manager of Local restaurant indicated to Inspector that construction sidewalk removal was loud.	<b>6-Mar-19</b> - Inspector spoke with manager and manager satisfied with discussion.
6-Mar-19	Residents driving by	Municipal	<b>6-Mar-19</b> - City called Enbridge Gas regarding road closure of Hanna Ave. and East Liberty St.; indicated that road must be open on Hanna Ave. north of East Liberty St.	<b>6-Mar-19</b> - This was addressed and road was opened back up.



Date Received	Contact Name	Landowner Type	Comment	Resolution
12-Mar-19	Syed	Commercial Tenant	<b>12-Mar-19</b> - Hero Burger Owner concerned due to entrance blocked off by NPL during pipeline installation.	<b>12-Mar-19</b> - Inspector reassured owner that work was short term and confirmed the Hero Burger had a second entrance for access during installation.
14-Mar-19	Syed	Commercial Tenant	<b>14-Mar-19</b> - Bevcon (contractor) blocking Hero Burger entrance and owner claimed loss of business.	<b>14-Mar-19</b> - Inspector reassured owner that work was short term and confirmed the Hero Burger had a second entrance for access during installation.