

# APPENDIX

# M

PHASE 1 ESA  
REPORT



CITY OF BRAMPTON

# PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

EAST-WEST CONNECTION (LAGERFELD  
DRIVE) MOUNT PLEASANT GO STATION TO  
WEST OF MISSISSAUGA ROAD, CITY OF  
BRAMPTON

JUNE 26, 2019





PHASE ONE  
ENVIRONMENTAL  
SITE ASSESSMENT  
EAST-WEST  
CONNECTION  
(LAGERFELD DRIVE)  
MOUNT PLEASANT GO  
STATION TO WEST OF  
MISSISSAUGA ROAD,  
CITY OF BRAMPTON  
CITY OF BRAMPTON

TYPE OF DOCUMENT (FINAL)

PROJECT NO.: 141-15409-00

DATE: JUNE 26, 2019

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June 26, 2019

CITY OF BRAMPTON  
Public Works & Engineering, City of Brampton  
1975 Williams Parkway, Brampton, ON, L6S 6E5

**Attention: Mario Goolsarran, P. Eng., PMP**

Dear Sir:

**Subject: Phase One Environmental Site Assessment for East-West Connection (Lagerfeld Drive) Mount Pleasant GO Station to West of Mississauga Road, City of Brampton**

WSP Canada Inc. (WSP) is pleased to provide City of Brampton with our final Phase One Environmental Site Assessment (ESA) report for the proposed East-West Connection (Lagerfeld Drive) for Mount Pleasant GO station to West of Mississauga Road, located in the City of Brampton, Ontario (the "Site").

The Phase One ESA was completed as part of Municipal Class "C" Environmental Assessment for the proposed alignment.

We trust that this information is sufficient for your current needs. If you have any questions or require further information, please contact us.

Yours truly,

Elizabeth Tsui, M.Env.Sc., PEng., EP.  
Project Engineer, Environment

WSP ref.: 141-15409-00

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First issue			
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June 26, 2019

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APPROVED<sup>1</sup> BY *(must be reviewed for technical accuracy prior to approval)*



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June 26, 2019

Date

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# TABLE OF CONTENTS

	EXECUTIVE SUMMARY .....	1
1	INTRODUCTION.....	1
1.1	Phase One Property Information .....	1
1.2	Current and Proposed Future Uses .....	2
2	SCOPE OF INVESTIGATION .....	3
2.1	Background.....	3
2.2	Specific Tasks.....	3
2.2.1	Records Review .....	3
2.2.2	Interviews .....	4
2.2.3	Site Reconnaissance.....	4
3	RECORDS REVIEW .....	5
3.1	General .....	5
3.1.1	Phase One Study Area Determination.....	5
3.1.2	First Developed Use Determination .....	5
3.1.3	Fire Insurance Plans .....	5
3.1.4	City Directories .....	5
3.1.5	Chain of Title .....	6
3.1.6	Previous Environmental Reports.....	7
3.2	Environmental Source Information .....	7
3.2.1	Databases .....	7
3.2.2	Regulatory Information .....	10
3.3	Physical Setting Sources .....	10
3.3.1	Aerial Photographs.....	10
3.3.2	Topography, Hydrology, Geology .....	11
3.3.3	Fill Materials .....	12
3.3.4	Water Bodies and Areas of Natural Significance.....	12
3.3.5	Well Records .....	13
3.4	Site Operating Records .....	13



4	INTERVIEWS .....	14
5	SITE RECONNAISSANCE .....	16
5.1	General Site Conditions.....	16
5.2	Specific Observations at Phase One Property .....	16
5.2.1	General Description of Investigation .....	16
5.2.2	Observations within Phase One Study Area.....	18
5.2.3	Enhanced Investigation Property .....	18
5.3	Written Description of Investigation .....	18
6	REVIEW AND EVALUATION OF INFORMATION .....	19
6.1	Current and Past Uses .....	19
6.2	Potentially Contaminating Activity .....	20
6.3	Areas of Potential Environmental Concern .....	21
6.4	Phase One Conceptual Site Model .....	22
6.4.1	Figures .....	22
6.4.2	Potentially Contaminating Activity .....	23
6.4.3	Potential Environmental Concerns and Potential Contaminants of Concern .....	23
6.4.4	Impact of Underground Utilities .....	23
6.4.5	Geological and Hydrogeological Information .....	24
6.4.6	Uncertainty and Absence of Information .....	24
7	CONCLUSIONS .....	25
7.1	Whether Phase Two ESA Required before RSC Submitted .....	25
7.2	Qualifier .....	25
7.3	Qualifications of the Assessors.....	25
7.4	Signatures .....	26
7.5	Standard Limitations.....	26

8	REFERENCE .....	28
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**TABLES**

TABLE E-1	SUMMARY OF AREAS OF POTENTIAL ENVIRONMENTAL CONCERN.....	11
TABLE 1-1	PHASE ONE PROPERTY INFORMATION.....	1
TABLE 3-1	CHAIN OF TITLE INFORMATION FOR THE PHASE ONE PROPERTY.....	6
TABLE 3-2	ERIS SEARCH RESULTS.....	7
TABLE 3-3	SUMMARY OF RECORDS WITHIN A 250 M RADIUS OF THE PHASE ONE PROPERTY .....	8
TABLE 3-4	AERIAL PHOTOGRAPH INTERPRETATION .....	10
TABLE 3-5	ANSI CRITERIA.....	12
TABLE 4-1	DETAILS OF INTERVIEW (EAST OF MISSISSAUGA ROAD) .....	14
TABLE 4-2	DETAILS OF INTERVIEW (WEST OF MISSISSAUGA ROAD) .....	14
TABLE 4-3	DETAILS OF INTERVIEW (10124 MISSISSAUGA ROAD) .....	15
TABLE 5-1	ON-SITE PCAS .....	17
TABLE 5-2	PHASE ONE STUDY AREA RECONNAISSANCE OBSERVATIONS .....	18
TABLE 6-1	SUMMARY OF CURRENT AND PAST USES .....	19
TABLE 6-2	PHASE ONE STUDY AREA RECONNAISSANCE OBSERVATIONS .....	20
TABLE 6-3	SUMMARY OF AREAS OF POTENTIAL ENVIRONMENTAL CONCERN.....	21
TABLE 6-4	SUMMARY OF PCAS.....	23
TABLE 6-5	POTENTIAL ENVIRONMENTAL CONCERN AND POTENTIAL CONTAMINANT OF CONCERN .....	23

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## *FIGURES*

FIGURE 1	SITE LOCATION
FIGURE 2	PHASE ONE CONCEPTUAL SITE MODEL

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## *APPENDICES*

A	PROPOSED ALIGNMENT AND PROFILE
B	ERIS REPORT
C	RECORD SEARCH RESULTS
C-1	Insurance Products Search
C-2	Directory Search
C-3	Chain of Title
D	REGULATORY RESPONSE
D-1	TSSA Response
D-2	MECP FOI Response
E	AERIAL PHOTOGRAPHS
F	INTERVIEW QUESTIONS
G	SITE PHOTOGRAPHS

# EXECUTIVE SUMMARY

WSP Canada Inc. (WSP) was retained by City of Brampton (the City) to conduct a Phase One Environmental Site Assessment (ESA) for the proposed East-West Connection (Lagerfeld Drive) Mount Pleasant GO Station to West of Mississauga Road, in the City of Brampton, Ontario (herein referred to as the “Phase One Property”). This Phase One ESA was completed as part of the Municipal Class “C” Environmental Assessment (EA) assignment for the proposed right of way (ROW).

We understand that the Phase One ESA is required as part of the EA study for the City and the proposed use of the Phase One Property is considered as community (i.e., a future municipal road). As such, the filing of a Record of Site Condition (RSC) in accordance with the requirements of *Ontario Regulation (O. Reg.) 153/04*, is not required at this time.

Based on information obtained as part of the Phase One ESA records search, Site reconnaissance and interview process, the following findings are presented:

- The Phase One Property is located west of Creditview Road, crosses the vacant field and valley land along Huttonville Creek and extends westward across Mississauga Road.
- The surface topography of the Phase One Study Area gently slopes down to the south/southeast towards the valley land along Huttonville Creek that traverses the Phase One Property at two locations on the east side of Mississauga Road. The existing elevation along the Phase One Property ranges from 236.5 masl to 244 masl.
- Based on a review of surficial geology, native soil in the Phase One Study Area consists of clay to silt-textured till derived from glaciolacustrine deposits or shale (Ontario Geological Survey, 2010). Based on this information, the surficial soil is likely to have low to moderate permeability.
- Based on a review of topographic mapping, Huttonville Creek traverses the Phase One Property at two locations east of Mississauga Road.
- The area along Huttonville Creek on east of Mississauga Road is considered as a valleyland/watercourse corridor according to the City of Brampton Natural Heritage Mapping.
- Based on our review of the aerial photographs, a barn like structure was previously located on the Phase One Property west of Mississauga Road at 10124 Mississauga Road. Stockpiles of fill materials was observed during the Site reconnaissance in the area of the former buildings. There is a potential for storage of pesticides and use of fuels as well as equipment repair being carried out in the barn that are related to the farming practices. These are considered potentially contaminating activities (PCAs) onsite.
- A stockpile of fill of unknown quality was observed on the west limit of Lagerfeld Drive. The stockpile was observed to extend onto the Phase One Property during the Site reconnaissance. The stockpile is likely related to the construction work in the Phase One Study Area.

The above PCAs were deemed to have contributed to two areas of potential environmental concerns (APECs) on the Site, as described in Table E-1.

**Table E-1 Summary of Areas of Potential Environmental Concern**

AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)	LOCATION OF AREA OF POTENTIAL ENVIRONMENTAL CONCERN ON PHASE ONE PROPERTY	POTENTIAL CONTAMINATING ACTIVITY	LOCATION OF POTENTIAL CONTAMINATING ACTIVITY (ONSITE OR OFFSITE)	CONTAMINANTS OF POTENTIAL ENVIRONMENTAL CONCERN	MEDIA POTENTIALLY IMPACTED (GROUNDWATER, SOIL AND/OR SEDIMENT)
<b>APEC-1</b>	West of Mississauga Road	30. Fill Material of Unknown Quality 40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Bulk Storage 28. Gasoline and Associated Products in Fixed Tanks	On-site	Metals and Inorganics*, PHC BTEX, PAHs, OC Pesticides	Soil and groundwater
<b>APEC-2</b>	On west limit of Lagerfeld Drive	30. Fill Material of Unknown Quality	On-site and off-site	Metals and Inorganics*, PHC BTEX, PAHs	Soil

\*Metals and Inorganics includes Metals, As, Sb, Se, CN-, B HWS, Cr(VI) and Hg  
 PHC BTEX – petroleum hydrocarbons including benzene, toluene, ethylbenzene and xylenes  
 OC Pesticides – Organochlorine pesticides

- APEC-1 (Area west of Mississauga Road): Fill piles were observed during the Site reconnaissance in the area of the former buildings at 10124 Mississauga Road. There is potential of importation of fill material of unknown quality as part of the building demolition at 10124 Mississauga Road and in close proximity of the Phase One Property. There is also a potential for storage of pesticides and use of fuels as well as equipment repair being carried out in the barn that are related to the farming practices; and
- APEC-2 (On west limit of Lagerfeld Drive): Stockpile of fill was observed on the Phase One Property likely related to the construction work in the Phase One Study Area. As the soil is stockpiled on an asphalt surface, impacts to groundwater are not suspected.

Based on information obtained as part of the Phase One ESA, it is concluded that there are potential environmental concerns at the Site. A Phase Two ESA is recommended to investigate the presence/absence of contamination as a result of the above PCAs.

# 1 INTRODUCTION

WSP Canada Inc. (WSP) was retained by City of Brampton (the City) to conduct a Phase One Environmental Site Assessment (ESA) for the proposed East-West Connection (Lagerfeld Drive) from Mount Pleasant GO Station to West of Mississauga Road, in the City of Brampton, Ontario (herein referred to as the “Phase One Property” or “the Site”). This Phase One ESA was completed as part of the Environmental Assessment assignment (EA) for the proposed right of way (ROW).

We understand that the Phase One ESA is required as part of the EA study for the City and the proposed use of the Phase One Property is considered as community (i.e., a future municipal road). As such, the filing of a Record of Site Condition (RSC) in accordance with the requirements of *Ontario Regulation (O. Reg.) 153/04*, is not required at this time.

## 1.1 PHASE ONE PROPERTY INFORMATION

The Phase One Property is located from west of Creditview Road, crosses the vacant field and valley land along Huttonville Creek and extends westward across Mississauga Road. For the purpose of this assessment, Mississauga Road is referred to as running in a north-south direction.

The Phase One Property is approximately 1.5 km in length and 33 m in width.

The Phase One Property encompasses an area of approximately 4.43 hectares. The NAD 83, Zone 17 UTM coordinates for the centroid of the Phase One Property are 594009 E, 4835809N. The site boundary of the Phase One Property is shown on Figure 1.

The Phase One Property is currently owned by various individuals/parties spanning across municipal roads (Mississauga Road and Lagerfeld Drive).

**Table 1-1 Phase One Property Information**

CRITERIA	PHASE ONE PROPERTY INFORMATION
<b>Municipal Address</b>	Not Applicable (portion of the land west of Mississauga Road is part of 10124 Mississauga Road and portion of the land on the Lagerfeld Drive is part of 40 Lagerfeld Drive, as shown of Figure 1)
<b>Current Property Owner</b>	<i>East of Mississauga Road:</i> The Corporation of the City of Brampton <i>West of Mississauga Road:</i> NW Brampton Regional Centre Inc. Heathwood Homes (Brampton) Limited
<b>Phase One Representative</b>	City of Brampton
<b>Phase One Client Representative</b>	Mario Goolsarran, P. Eng., PMP Senior Project Engineer, Infrastructure Planning Public Works & Engineering, City of Brampton 1975 Williams Parkway, Brampton, ON, L6S 6E5 Tel: 905-874-5164 Email: <a href="mailto:Mario.Goolsarran@brampton.ca">Mario.Goolsarran@brampton.ca</a>
<b>Property Identification Numbers (PINs)</b>	<i>East of Mississauga Road:</i> 14363-2225 (LT) 14363-2226(LT) 14363-2251(LT) <i>West of Mississauga Road:</i> 14363-0028(LT) 14363-0054(LT)
<b>Legal Descriptions</b>	<i>East of Mississauga Road:</i> 14363-2225 (LT)

BLOCK 5, PLAN 43M1927; SUBJECT TO AN EASEMENT AS IN PR2285727; SUBJECT TO AN EASEMENT AS IN PR2285736; CITY OF BRAMPTON  
14363-2226(LT)  
BLOCK 6, PLAN 43M1927; SOUBJECT TO AN EASEMENT AS IN PR2285727; SUBJECT TO AN EASEMENT IN GROSS OVER PTS 8, 9 & 10 PL 43R35230; SUBJECT TO AN EASEMENT IN GROSS OVER PTS 2, 3 PL 43R-36999 AS IN PR2935542; CITY OF BRAMPTON  
14363-2251(LT)  
LAGERFELD DRIVE LYING ADJACENT TO RESERVE BLKS 16 TO 19, PLAN 43M1927; SUBJECT TO AN EASEMENT AS IN PR2285727; SUBJECT TO AN EASEMENT AS IN PR2285736; SUBJECT TO AN EASEMENT AS IN PR2285731; CITY OF BRAMPTON  
*West of Mississauga Road:*  
14363-0028(LT)  
PT LT 12 CON 5 WHS CHINGUACOUSY DES PTS 1, 2, 3 PL 43R-18296; S/T CH25602 AS AMENDED BY PL CH28204;; SUBJECT TO AN EASEMENT OVER PT 3, PL 43R34582 IN FAVOUR OF TRANSCANADA PIPELINES LIMITED AS IN PR2253823; CITY OF BRAMPTON  
14363-0054(LT)  
PT LT 11 CON 5 WHS (CHING) AS IN RO680355, S&E VS64658, PTS 1, 2 & 3 PL 43R-18296; PTS 1, 2, 3 & 4, 43R29263 & PT 2, 43R34101 & PTS 1 & 2, 43R34890; S/T CH25614 AS AMENDED BY CH28204; SUBJECT TO AN EASEMENT AS IN PR2275820; SUBJECT TO AN EASTMENT OVER PTS 3 & 4, 43R34890 IN FAVOUR OF THE REATIONAL MUNCIPALITY OF PEEL AS IN PR2310025; SUBJECT TO AN EASEMENT OVER PTS 4 & 5, 43R34890 IN FAVOUR OF THE MUNICIPALITY OF PEEL AS IN PR2310026; CITY OF BRAMPTON

A survey of the existing boundary of the Phase One Property is not currently available. The preliminary Plan for the ROW alignment and its profile were reviewed as part of the Phase One ESA.

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## 1.2 CURRENT AND PROPOSED FUTURE USES

The Phase One Property is currently vacant, but was last occupied by a structure (likely a barn) that was part of the farm buildings located on 10124 Mississauga Road. The proposed ROW use will be considered community under O. Reg. 153/04. The proposed use will not require a Record of Site Condition (RSC) to be filed for the Phase One Property, in accordance with the requirements of *Ontario Regulation (O. Reg.) 153/04*.

# 2 SCOPE OF INVESTIGATION

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## 2.1 BACKGROUND

The Phase One ESA was conducted in accordance with the general and specific objectives outlined in O. Reg. 153/04. The general objectives of a Phase One ESA are:

- To develop a preliminary determination of the likelihood of contamination in soil or groundwater at the Phase One Property; and
- To determine the need for a Phase Two ESA and if necessary, provide the basis for conducting a Phase Two ESA or risk assessment.

The general objectives were met through the evaluation of the information gathered from a records review, interviews, and a site reconnaissance. Specific objectives for these components and the tasks completed to achieve these objectives are described below.

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## 2.2 SPECIFIC TASKS

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### 2.2.1 RECORDS REVIEW

The records review was conducted to obtain and review records that relate to the Phase One Property and the surrounding lands wholly or partly within a 250 m radius (i.e., the Phase One Study Area) to identify current and past uses and activities that may have contributed to contamination of the soil and groundwater at the Phase One Property. The scope of work for the records review included the following tasks:

- Review of historical environmental reports to identify current and past uses of the Phase One Property and land uses within the Phase One Study Area;
- Review of historical aerial photographs available through readily available resources. The aerial photographs were used to assist in the determination of the first developed use for the Phase One Property, and to identify past uses and potentially contaminating activities (PCAs) at the Phase One Property and surrounding lands that may result in areas of potential environmental concern (APECs);
- Review of topographic, geologic, and physiographic maps for the Phase One Property. These sources were reviewed to obtain information regarding the stratigraphy of the overburden and the depth and type of bedrock. This data was used to develop the Phase One Site Conceptual Model (CSM) and assess the fate and transport of possible contaminants in soil and groundwater;
- Review of available information from the Ministry of the Environment, Conservation and Parks (MECP) through the Freedom of Information and Protection of Privacy Act. These sources can provide information regarding the presence of fuel storage tanks, approval, permits, Certificates of Approval, MECP administrative orders (such as control orders, stop orders, remedial orders), and reports submitted to the MECP;
- Review of database information from EcoLog Environmental Risk Information Services Ltd. (ERIS). The comprehensive databases provide information with respect to above and underground storage tanks, waste disposal sites, polychlorinated biphenyl (PCB) storage information, water well inventories, compliance, convictions and spills, incidents recorded in the National Pollutant Release Inventory, the Inventory of Coal Gasification Plants, notices and instruments including RSCs, and landfill information;
- Review of city directories provided in the previous report by Soil Probe, land title information through Domsons Title Search Inc., and fire insurance plans (FIPs) through ERIS to confirm the site development history. This information was used to determine the first developed use and assess the first historical ownership/occupants at the Phase One Property, the historical presence of underground storage tanks, potential industrial activities and site development.

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## 2.2.2 INTERVIEWS

The objectives of the interviews under O. Reg. 153/04 are to assist in the identification of PCAs that may have led to APECs at the Phase One Property.

The Qualified Person (QP<sub>ESA</sub>) consulted Mr. Mario Goolsarran, P. Eng., PMP, Senior Project Engineer, Infrastructure Planning Public Works & Engineering, and representative of the City of Brampton. Current property representatives for the lands including the Phase One Property located west of Mississauga Road were also contacted for information and records pertaining the Phase One Property. A questionnaire used for the interview was developed by WSP based on review of the site records. Based on this input and the review of available records, information on the location of underground features (where available) and past site operations was assembled to meet the objectives of the interview process.

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## 2.2.3 SITE RECONNAISSANCE

The site reconnaissance was conducted to document current site conditions and determine if APECs are present at the Phase One Property. The purpose of the site reconnaissance was:

- To determine if APECs exist through observations about current and past uses and PCAs on, in or under the Phase One Property and, as practicable, current and past uses and activities and PCAs in the Phase One Study Area; and
- To identify details of potential contaminant pathways on, in or under the Phase One Property, APECs, and contaminants of potential concern (COPCs).

To meet the specific site reconnaissance objectives outlined above, the Phase One Property was visually assessed to document current conditions and evaluate the potential for environmental impacts to soil and groundwater, and identify any possible preferential pathways such as underground utilities that may affect the fate, transport, and distribution of contaminants. Adjacent properties were assessed from publicly accessible boundaries to evaluate the potential for environmental impacts to the Phase One Property. Photographs were taken to support pertinent observations.

# 3 RECORDS REVIEW

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## 3.1 GENERAL

This section of the report provides a summary of the records review that were undertaken by WSP as part of this Phase One ESA.

The records review provides information regarding the physical setting, history of development, and land use in connection with the Phase One Property and Phase One Study Area. Information sources are summarized in the following sections.

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### 3.1.1 PHASE ONE STUDY AREA DETERMINATION

The Phase One Study Area was determined to include the Phase One Property and properties located in whole or in part within a 250 m radius of the Phase One Property. The records review did not identify any properties beyond the 250 m radius that would be dissimilar to those that were captured in this radius. Therefore, it was concluded that the nature and extent of APECs would not change through the consideration of properties beyond this distance.

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### 3.1.2 FIRST DEVELOPED USE DETERMINATION

In O. Reg. 153/04, “first developed use” means the earlier of:

- The first use of the Phase One Property in or after 1875 that resulted in the development of a building or structure on the property, and
- The first potentially contaminating use or activity on the Phase One Property.

Based on our review of the aerial photographs, the majority of the Site was use for agricultural purposes. A farm related building (likely a barn) was observed on the Phase One Property on west side of Mississauga Road, on 10124 Mississauga Road, constructed sometime after 1954 while the residence at 10124 Mississauga Road in the Phase One Study Area was constructed sometime before 1954.

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### 3.1.3 FIRE INSURANCE PLANS

FIPs were requested for 10124 Mississauga Road (the only address where a building has previously been located on the Phase One Property) through ERIS however, no FIPs were available. A copy of the response is shown in **Appendix B-1**.

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### 3.1.4 CITY DIRECTORIES

A city directories search was completed as part of the Phase One ESA. The search was completed for the Phase One Property (10124 Mississauga Road) and properties where a municipal address is available within the Phase One Study Area in five-year increments from 1959 to 2000. The results of the city directory search indicated a single tenant residential listing was found at 10124, 10179 and 10244 Mississauga Road in the years 1994 and 2000 and Apple Core Country Crafts and Scandinavian Select In The Apple Factory at 10020 Mississauga Road in the year 2000. The addresses were not listed in all other years.

A copy of the search result is shown in **Appendix B-2**.

### 3.1.5 CHAIN OF TITLE

A historical title search for the Phase One Property was provided by Domsons Title Search Inc. Based on the results of the title search, the chain of ownership for the Phase One Property is summarized in Table 3-2 and a copy of the search result is shown in **Appendix B-3**.

**Table 3-1 Chain of Title Information for the Phase One Property**

YEAR	NAME OF OWNER	INFERRED PHASE ONE PROPERTY USE <sup>a</sup>
<b>East of Mississauga Road: 14363-2225(LT)</b>		
Prior to 1822	Crown	Agricultural or Other Use
1822 to 2003	Various individuals	Agricultural
2003 to 2013	Mattamy (Credit River) Limited	Agricultural or Other Use (stormwater management pond)
2013 to current	The Corporation of the City of Brampton	
<b>East of Mississauga Road: 14363-2226(LT)</b>		
Prior to 1822	Crown	Agricultural or Other Use
1822 to 2003	Various individuals	Agricultural
2003 to 2013	Mattamy (Credit River) Limited	Agricultural (Vacant)
2013 to current	The Corporation of the City of Brampton	
<b>East of Mississauga Road: 14364-2359(LT)</b>		
Prior to 1853	Crown	Agricultural or Other Use
1822 to 2003	Various individuals	Agricultural or Other Use
2003 to current	Mattamy (Credit River) Limited	Agricultural or Other Use
<b>East of Mississauga Road: 14363-2251(LT)</b>		
Prior to 1822	Crown	Agricultural or Other Use
1822 to 2003	Various individuals	Agricultural
2003 to 2013	Mattamy (Credit River) Limited	Community (west limit of Lagerfeld Drive)
2013 to current	The Corporation of the City of Brampton	
<b>West of Mississauga Road: 14364-0028(LT)</b>		
Prior to 1853	Crown	Agricultural or Other Use
1824 to 2007	Various individuals	Agricultural
2007 to Current	Heathwood Homes (Brampton) Limited	Agricultural
<b>West of Mississauga Road: 14364-0054(LT)</b>		
Prior to 1824	Crown	Agricultural or Other Use
1824 to 2007	Various individuals	Agricultural and Residential uses
2007 to 2014	Osmington Inc	Agricultural
2014 to current	NW Brampton Regional Centre Inc	

<sup>a</sup> According to regulatory types as defined in O. Reg. 153/04

Based on the title search, easements to TransCanada Pipeline are on title for the parcels on the west side of Mississauga Road which crosses the Phase One Property.

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### 3.1.6 PREVIOUS ENVIRONMENTAL REPORTS

A Natural Heritage Existing Condition Report was completed by WSP in 2015 for the area approximately bounded by Bovaird Drive to the south, proposed hydro corridor to the west and north of the railway to northeast.

The following are the major findings of the Natural Heritage report:

- The West, East and Main Branches of the Huttonville Creek within the Study Area are regulated habitat for Redside Dace;
- While suitable habitat was not observed, Barn Swallow, a Threatened species on the Species at Risk in Ontario (SARO) List, was observed on several occasions within the Study Area;
- The woodland within the western portion of the Study Area has been identified as a Core Feature within the Regional Greenlands System (Region of Peel, 2014). It has also been identified as a candidate significant woodland (AMEC, 2012) and is considered part of the City of Brampton’s Natural Heritage System (2013);
- The woodland within the western portion of the Study Area (south of the Phase One Property) has been identified as candidate Woodland Raptor Nesting Habitat and Habitat for Species of Conservation Concern; and
- The valley corridors on the east side of Mississauga Road have been identified as part of the City of Brampton’s Natural Heritage System (NHS) (2013), whereas those on the west side have been identified as candidate NHS lands.

Based on the natural heritage report, the Phase One Property is considered located within an area of natural significance, as defined in O. Reg. 153/04.

There is an additional natural heritage assessment being completed as part of the environmental assessment. While the report is not available for review at this time, it is WSP’s understanding that the assessment has confirmed that wetlands in the study area are classified as provincially significant.

No other previous environmental report is available for review at this time.

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## 3.2 ENVIRONMENTAL SOURCE INFORMATION

### 3.2.1 DATABASES

WSP obtained an ERIS Custom Report for the Phase One Property and lands within 250 m of the Phase One Property (the “Phase One Study Area”). The ERIS database report provides information from federal, provincial and private source databases relating to a defined search area. Each database is divided into records that present information such as company names, addresses, descriptions, status and other pertinent information. Records that fall within a defined 250 m radius of the search area are extracted from the database for review. It is WSP’s opinion that records found beyond 250 m from the Phase One Property is unlikely to impact the soil and/or groundwater condition at the Phase One Property.

A copy of the ERIS report is included in **Appendix A**. A summary of the ERIS search results is shown in Table 3-3. Records as required in accordance to O. Reg. 153 are summarized in Table 3-4. The search of the ERIS databases complies with the requirements for background documentation identified in O. Reg. 153/04.

**Table 3-2 ERIS Search Results**

DATABASE	NAME	PHASE ONE PROPERTY	WITHIN 250 M OF PHASE ONE PROPERTY <sup>1</sup>
CA	Certificates of Approval	0	1
ECA	Environmental Compliance Approval	0	5
EHS	ERIS Historical Searches	0	6
GEN	Ontario Regulation 347 Waste Generators Summary	0	7

DATABASE	NAME	PHASE ONE PROPERTY	WITHIN 250 M OF PHASE ONE PROPERTY <sup>1</sup>
MNR	Mineral Occurrences	0	1
OGW	Ontario Oil and Gas Well	0	1
PES	Pesticide Register	0	1
RSC	Record of Site Condition	0	1
WWIS	Water Well Information System	0	30
	<b>TOTAL</b>	<b>0</b>	<b>54</b>

The ERIS report did not identify any records on the Phase One Property.

A total of 54 records were identified within 250 m radius of the Phase One Property.

A summary of available records is provided in Table 3-3. No records were found for the following environmental source information records as noted in Table 3-2.

- National Pollutant Release Inventory (NPRI)
- PCB Inventories
- Permits To Take Water (PTTW) and Certificates of Property Use (CPU)
- Inventory of Coal Gasification Plants
- Ministry of the Environment Waste Disposal Inventory

**Table 3-3 Summary of Records within a 250 m radius of the Phase One Property**

SOURCE	RECORDS REVIEW RESULT
<b>Certificate of Approvals (CAs)</b>	One record was identified at 1600 Bovaird Drive West, registered under the Greater Toronto Transit Authority (GTTA) for release of air in 2005. No additional information was provided. The parking lot of the GO train station is immediately northeast of the Phase One Property while the actual station is greater than 250 m from the Site.  This record is not considered to represent an environmental concern for the Phase One Property as the identified release was to air.
<b>Environmental Compliance Approvals</b>	Five records were identified in ECA database: one for GTTA at 1600 Bovaird Drive West, and four for Mattamy (Credit River) Limits (and Ashwid Developments Inc. in one record) for municipal and private sewage works.  These records are not considered to represent an environmental concern for the Phase One Property based on the nature of the approvals.
<b>Records of Environmental Incidents, Orders, Offences, Spills, Discharges of Contaminants or Inspections</b>	A spill was identified in SPL database at the Mount Pleasant GO station at 1600 Bovaird Drive. A bus fire causing motor oil discharge into the surface water was reported in 2016.  Based on the distance and nature of the spill, environmental impact to the Site as a result of the spill is unlikely.

<p><b>Ontario Regulation 347 Waste Generators/Receivers Summary Records</b></p>	<p>A total of seven waste generator (GEN) records were located within the search area. The records are summarized below:</p> <p><u>10056 Mississauga Road (3 x GEN)</u></p> <ul style="list-style-type: none"> <li>– McNally Construction Inc. was registered as a waste generator for oil skimmings and sludges and waste oils and lubricants from 2013 to 2015.</li> </ul> <p><u>10201 Mississauga Road (1 x GEN)</u></p> <ul style="list-style-type: none"> <li>– Norval Farm Supplies was registered as a waste generator for waste oils and lubricants in 2004.</li> </ul> <p><u>15 Ashby Field Road, Unit 11 (3 x GEN)</u></p> <ul style="list-style-type: none"> <li>– Mount Pleasant Dentistry was registered as a waste generator for pathological waste from 2015 to as of June 2017. (While it is included in the ERIS report, this location is actually greater than 250 m from the Phase One Property).</li> </ul> <p>Based on the understanding of the type of operations associated with the waste and their locations (dewatering contractor, dentistry and farm operation), the waste generators, are unlikely to have any environmental impact to the Site.</p>
<p><b>TSSA Records</b></p>	<p>There were no fuel storage tank records identified in the ERIS report for the Phase One Property or surrounding area.</p> <p>An information request was submitted to the TSSA pertaining to underground and aboveground fuel storage for 10124 Mississauga Road (as there are no other address/buildings associated with the remainder of the Phase One Property). A response from the TSSA dated April 17, 2018 indicated no records were found in their database of any fuel storage tank at the subject address. A copy of the TSSA response is included in <b>Appendix C-1</b>.</p>
<p><b>Notices and instruments, including records of site condition, posted in the Registry</b></p>	<p>A RSC based on a Phase I ESA, was filed for 1722 Bovaird Drive in 2009 on behalf of Mattamy (Credit River) Limited for the proposed residential development.</p> <p>This record does not represent an environmental concern for the Site</p>
<p><b>Areas of Natural Significance</b></p>	<p>A Provincially Significant Wetland is located on each of the two branches of the Huttonville Creek on the west side of Mississauga Road. They are located on the adjacent property on 10124 Mississauga Road, immediately to the north of the Phase One Property along Mississauga Road and to the south of the Phase One Property near the western limit.</p>
<p><b>Water Well Information System</b></p>	<p>The ERIS report identified 30 well records within the Phase One Study Area. Wells at the Phase One Study Area include water supply (for domestic, commercial, and/or livestock), dewatering, observation, test holes and abandoned wells. The approximate location of the water supply wells are shown on Figure 2.</p> <p>Based on a review of the well record closest to the Phase One Property, the geology generally consists of:</p> <ul style="list-style-type: none"> <li>– Brown topsoil from surface to 5.5 meters below ground surface (mbgs);</li> <li>– Gravel was found from 5.5 to 6.1 mbgs;</li> <li>– Water was encountered at 1.8 mbgs.</li> </ul> <p>Based on other available well records, shale bedrock was encountered at as shallow as 1.8 mbgs.</p>
<p><b>Others</b></p>	<p>The ERIS report also identified the following:</p> <ul style="list-style-type: none"> <li>6 x ERIS Historical Searches</li> <li>1 x Mineral Occurrence (discretionary occurrence of shale material was reported at Lot 4 Concession 10 in Chinguacousy)</li> <li>1 x Pesticide Register (Norval Farm Supplies at 10201 Mississauga Road was a registered pesticides vendor.)</li> <li>1 x Ontario Oil and Gas Well (a well abandonment record was completed in 1989)</li> <li>36 unplotable records</li> </ul> <p>WSP reviewed the unplotable records in the ERIS report and found these records are not considered to represent an environmental concern for the Phase One Property.</p>

### 3.2.2 REGULATORY INFORMATION

A request was made to the Freedom of Information (FOI) Office of the MECP for any records for the following properties:

- 10244 Mississauga Road - Currently owned by Heathwood Homes (Brampton) Limited previously owned by John Laidlaw Crawford, Donald Lloyd Crawford, Carolyn Barbara Crawford and Mary Gladys Crawford from 2006 to 2007
- 10124 Mississauga Rd – Currently owned by NW Brampton Regional Centre Inc previously owned by Osmington Inc from 2007 to 2014
- Lot 11 Concession 4 W.H.S (west of Hurontario Street), Brampton - Currently owned by The Corporation of the City of Brampton previously owned by Mattamy (Credit River) Limited from 2003 to 2013
- 40 Lagerfeld Drive, Brampton – Currently owned by The Corporation of the City of Brampton previously owned by Mattamy (Credit River) Limited from 2003 to 2013

Responses from the MECP indicated no records were found for 40 Lagerfeld Drive and 10124 and 10244 Mississauga Road. The MECP found various environmental compliance approval records and amendments for the approval for infrastructure related to the management of water, waste water or storm water at Lot 11 Concession 4 W.H.S. These records do not suggest potential environmental concern for soil and groundwater quality at the Phase One Property.

A copy of the FOI responses is attached in **Appendix C-2** of the final report.

## 3.3 PHYSICAL SETTING SOURCES

### 3.3.1 AERIAL PHOTOGRAPHS

Aerial photographs from 1954, 1994, 2002, 2010, and 2017 were reviewed for this assessment. The aerial photographs for the noted years are included as **Appendix D**. Significant information depicted from these photographs, where possible, is summarized in Table 3-5.

**Table 3-4 Aerial Photograph Interpretation**

YEAR	PHASE ONE PROPERTY	PHASE ONE STUDY AREA
1954	Agricultural land use, no buildings or woodlot. Huttonville Creek can be seen traversing the Phase One Property twice on the east side of Mississauga Road.	The general area appeared to be agricultural or rural residential. A building, likely residential, is present immediately south of the Phase One Property on the west side of Mississauga Road, at 10124 Mississauga Road. A woodlot is observed located south of the Phase One Property on the west side of Mississauga Road. A rural residential home is present north of Huttonville Creek, on the west side of Mississauga Road, at 10244 Mississauga Road. A farm with various structures has been developed south of the Phase One Property south of Huttonville Creek, on the east side of Mississauga Road. A railway is traversing the area in the east-west direction, north of the Phase One Property.
1994	A building, likely a barn, is located immediately west of Mississauga Road. The TransCanada easement appears to run through the Phase One Property.	Various farm buildings are present on 10124 Mississauga Road immediately south of the Phase One Property. A pond is observed near the residence at 10244 Mississauga Road. The woodlot to the south extends eastward occupying approximately half of the lot. A residence is present on 10054 Mississauga Road, south of the Phase One Property. The TransCanada easement can be observed traversing the woodlot. The farm development south of Huttonville Creek has been removed with only one building remaining. A residential home has been constructed at 10179 Mississauga Road. The remainder of the area appear to remain rural residential/agricultural/undeveloped.

YEAR	PHASE ONE PROPERTY	PHASE ONE STUDY AREA
2002	Similar to 1994	Large barn and silo-like buildings are present on the east side of Mississauga Road, at 10201 Mississauga Road. The remainder of the Phase One Study Area appear similar to those observed in the 1994 aerial photo.
2010	The building on the Phase One Property west of Mississauga Road has been removed.	All the buildings on 10124 Mississauga Road have been removed. The building south of Huttonville Creek on the east side of Mississauga Road also have been removed. The parking lot supporting the Mount Pleasant GO station has been constructed at the northeast corner of the Phase One Study Area. A residence has been constructed at 10185 Mississauga Road. The remainder of the Phase One Study Area appear similar to those observed in the 2002 aerial photo.
2017	Similar to 2010	The buildings at 10201 Mississauga Road were removed. Creditview Road and Lagerfeld Drive have been constructed. A construction staging area (as observed during the Site visit) and two storm water management ponds were observed on the north side of west limit of Lagerfeld Drive (at 40 Lagerfeld Drive) north of the Phase One Property, on the west side of Creditview Road. Soil disturbance potentially related to subsurface utilities work is observed south of the Phase One Property between Creditview Road and Mississauga Road. Construction along Mississauga is observed south of the Phase One Property.

Based on the aerial photos reviewed, a building (likely a barn) was previously located on the Phase One Property on the west side of Mississauga Road. There is a potential for storage of pesticides and use of fuels as well as equipment repair being carried out in the barn that are related to the farming practices.

### 3.3.2 TOPOGRAPHY, HYDROLOGY, GEOLOGY

#### Topography

Topographic mapping available through the Natural Resources of Canada Website (<http://atlas.nrcan.gc.ca>) was reviewed. Topographic map sheet 30M12 of the National Topographic Database was accessed to review topographic features in the general vicinity of the Phase One Property. The Ontario Base Map data is also presented in Figure 2.

The surface topography of the Phase One Study Area gently slopes down to the south/southeast towards the valleyland along Huttonville Creek that traverse the Phase One Property at three locations on the east side of Mississauga Road. The site is approximately 238 m above sea level (masl) immediately west of Mississauga Road. The topographic map shows the current structures along Mississauga Road as well as former structures located on 10124 and 10201 Mississauga Road. The TransCanada pipe line is shown running in a north-south direction.

Based on the profile for the proposed alignment, the existing elevation along the Phase One Property ranges from 236.5 masl to 244 masl.

The principal direction of regional groundwater flow is inferred to be south. It should be noted that local groundwater flow may be influenced underground utilities (i.e., service trenches) and building structures. For example, the gravel pack used around utilities, such as underground utilities, can act as interceptors and redirect groundwater flow along the direction of the pipe.

#### Surficial Geology

Native soil in the Phase One Study Area consists of clay to silt-textured till (derived from glaciolacustrine deposits or shale (Ontario Geological Survey, 2010)). Based on this information, the surficial soil is likely to have low to moderate permeability. The soil in the valley land along Huttonville Creek is modern alluvial deposits which consists of clay, silt, sand and gravel.

## Bedrock Geology

Bedrock geology within the Phase One Study Area consists of shale, with limestone, dolostone and siltstone of the Queenston formation (Ontario Geological Survey 2011). The depth to shale bedrock is as shallow as 1.8 mbgs based on well records in the ERIS report.

## Physiography

The Phase One Study Area is situated within the South Slope physiographic region of Southern Ontario. The soil within this region generally consists of clay till containing shale and limestone (Chapman, L.J and Putnam, D.F., 2007).

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### 3.3.3 FILL MATERIALS

No information is available regarding any fill material imported onto the Phase One Property.

Fill piles were observed during the Site reconnaissance in the area of the former buildings at 10124 Mississauga Road. The potential of importation of fill material of unknown quality may be related to infilling of basements from the demolition of the adjacent residence.

The stockpiles of fill was observed on the Phase One Property likely related to the construction work in the Phase One Study Area.

The TransCanada Pipeline is located on the Phase One Property. Based on construction information available from TransCanada's website, after the pipeline is installed, the trench is backfilled with the original subsoil and topsoil to cover the pipeline. As such, no fill material is anticipated to have been used to backfill the portion of the Phase One Property where the pipe is located.

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### 3.3.4 WATER BODIES AND AREAS OF NATURAL SIGNIFICANCE.

Based on a review of the topographic map, Huttonville Creek traverses the Phase One Property at two locations east of Mississauga Road. The area along Huttonville Creek on east of Mississauga Road is considered as valleyland/watercourse corridor according to the City of Brampton Natural Heritage Mapping.

To determine whether the Phase One Property is within an area of natural significance, as defined in O. Reg. 153/04, the following criteria summarized in Table 3-6 were reviewed:

**Table 3-5 ANSI Criteria**

CRITERIA	FINDINGS
An area reserved or set apart as a provincial park or conservation reserve under the <i>Provincial Parks and Conservation Reserves Act, 2006</i> .	No
An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources as having provincial significance.	No
A wetland identified by the Ministry of Natural Resources as having provincial significance.	Yes
An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant.	No
An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the <i>Niagara Escarpment Planning and Development Act</i> .	No
An area identified by the Ministry of Natural Resources as significant habitat of a threatened or endangered species.	No

CRITERIA	FINDINGS
An area which is habitat of a species that is classified under section 7 of the <i>Endangered Species Act, 2007</i> as a threatened or endangered species.	Yes
Property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the <i>Oak Ridges Moraine Conservation Act, 2001</i> applies.	No
An area set apart as a wilderness area under the <i>Wilderness Areas Act</i> .	No

Based on the information reviewed, the presence of the provincial significant wetland and the potential/actual habitat for various SAR, therefore the Phase One Property is considered an area of natural significance.

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### 3.3.5 WELL RECORDS

The well records found for the Phase One Property and properties within a 250 m radius were summarized in Section 3.2.1.

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## 3.4 SITE OPERATING RECORDS

In accordance to Paragraphs 14 and 15 of Subsection 3(2) of the Regulation, additional records reviews are required when a Site is an enhanced investigation property.

The Phase One Property is not considered an enhanced investigation property, as it has never been used in whole or in part for any of the following:

- Any industrial use;
- As a garage;
- As a bulk liquid dispensing facility, including a gasoline outlet; or
- For the operation of dry cleaning equipment.

As such, site operating records were not available for review.

## 4 INTERVIEWS

Mr. Mario Goolsarran, P. Eng., PMP, Senior Project Engineer, Infrastructure Planning Public Works & Engineering, and representative of the City of Brampton was interviewed to gain insight into the history and former operations at eastern portion of the Phase One Property. Mr. Goolsarran is familiar with the Phase One Property and historical investigations at the Phase One Property since working on this project. In addition, Mr. Goolsarran provided contacts to representative from properties located west of Mississauga Road.

A summary of the interview is provided in Table 4-1 to Table 4-3.

**Table 4-1 Details of Interview (East of Mississauga Road)**

REQUIRED INFORMATION	SPECIFICS	
<b>i. Date, place, and method of the interviews and the name of person being interviewed</b>	Date:	April 2018
	Place:	n/a
	Interview method:	Emails correspondence
	Interviewee:	Mario Goolsarran
<b>ii. Reason why the person was identified as an interview subject</b>	Representative of City of Brampton	
<b>iii. Relevant information concerning potentially contaminating activity and areas of potential environmental concern noted by the interviewer.</b>	<ul style="list-style-type: none"> <li>– The Site has been used for agricultural purposes;</li> <li>– Mixed use development (residential/commercial) is being proposed for land adjacent to the proposed ROW;</li> <li>– No buildings were ever constructed onsite and no activities were being carried out;</li> <li>– Developers for the area may have completed some geo-environmental work but reports are not available from the City;</li> <li>– Mr. Goolsarran is not aware of any spills or storage of material or any fuel tanks at or within close proximity of the Phase One Property; and</li> <li>– The Contractor for the Mississauga Road Project is VARCON Construction and they have occupied 10056 Mississauga Road.</li> </ul>	
<b>iv. Reliability</b>	Mr. Goolsarran provided information pertaining the Phase One Property to the best of his knowledge. A copy of the Phase One ESA interview questionnaire as developed by WSP is included as <b>Appendix E</b> .	

**Table 4-2 Details of Interview (West of Mississauga Road)**

REQUIRED INFORMATION	SPECIFICS	
<b>i. Date, place, and method of the interviews and the name of person being interviewed</b>	Date:	April 2018
	Place:	n/a
	Interview method:	Phone followed by Emails correspondence
	Interviewee:	Grant Simpson
<b>ii. Reason why the person was identified as an interview subject</b>	Representative of Heathwood Homes	
<b>iii. Relevant information concerning potentially contaminating activity and areas of potential environmental concern noted by the interviewer.</b>	<ul style="list-style-type: none"> <li>– The site has always been used for agricultural purposes;</li> <li>– A residential development is being proposed for property;</li> <li>– A gas line easement is located on the site;</li> <li>– Mr. Simpson is not aware of any spill or storage of material onsite.</li> <li>– An oil tank is located in the basement of the existing farmhouse located on the property (greater than 250 m from the Phase One Property).</li> </ul>	
<b>iv. Reliability</b>	Mr. Simpson provided information pertaining the Phase One Property to the best of his knowledge. A copy of the Phase One ESA interview questionnaire as developed by WSP is included as <b>Appendix E</b> .	

**Table 4-3 Details of Interview (10124 Mississauga Road)**

REQUIRED INFORMATION	SPECIFICS	
<b>i. Date, place, and method of the interviews and the name of person being interviewed</b>	Date:	April 2018
	Place:	n/a
	Interview method:	Phone followed by Emails correspondence
	Interviewee:	Hilary Vaillancourt
<b>ii. Reason why the person was identified as an interview subject</b>	Representative of NW Brampton Regional Centre Inc.	
<b>iii. Relevant information concerning potentially contaminating activity and areas of potential environmental concern noted by the interviewer.</b>	<ul style="list-style-type: none"> <li>– The site has always been used for agricultural purposes (winter wheat);</li> <li>– A residential development is being proposed for property;</li> <li>– A TransCanada Pipeline easement is located on the site;</li> <li>– Ms. Vaillancourt is not aware of any sill or storage of material onsite.</li> </ul>	
<b>iv. Reliability</b>	Mr. Vaillancourt provided information pertaining the Phase One Property to the best of her knowledge. A copy of the Phase One ESA interview questionnaire as developed by WSP is included as <b>Appendix E</b> .	

# 5 SITE RECONNAISSANCE

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## 5.1 GENERAL SITE CONDITIONS

On March 22, 2018 from 11:00 am to 2:00 pm, WSP visited the Phase One Property and conducted the site reconnaissance. The Phase One Property was assessed in a systematic manner by Mr. Dan Neerhof by walking around the Phase One Property and publicly accessible lands to record visual and olfactory observations. The weather at the time of the site reconnaissance was cloudy and approximately 4°C.

Selected photographs taken during the site reconnaissance are provided in **Appendix F**. Photographs documenting specific observations are referenced in the text that follows.

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## 5.2 SPECIFIC OBSERVATIONS AT PHASE ONE PROPERTY

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### 5.2.1 GENERAL DESCRIPTION OF INVESTIGATION

#### 5.2.1.1 SUBJECT SITE STRUCTURES AND IMPROVEMENTS INCLUDING BELOW-GROUND STRUCTURES

No buildings or structures were observed at the Phase One Property. Evidence of the former buildings at 10124 Mississauga Road was observed on the Phase One Property on the west side of Mississauga Road.

#### 5.2.1.2 POTABLE AND NON-POTABLE WATER SOURCES

No water supply wells were observed at the Phase One Property. A dug well was observed in the Phase One Study Area just north of the Phase One Property, 10124 Mississauga Road. Properties within the Phase One Study Area are assumed to have municipal services but water supply wells are located within the Study Area.

#### 5.2.1.3 UNDERGROUND UTILITIES AND CORRIDORS

Private utilities drawings were not available for review. There is a potential that buried utilities remain in the area of the former buildings on 10124 Mississauga Road.

TransCanada pipeline is known to traverse the Phase One Property west of Mississauga Road.

#### 5.2.1.4 WELLS

Several monitoring wells were observed on/immediately adjacent to the Phase One Property, protected in monument casings (**Photograph 1**). A dug well was observed north of the Phase One Property along Mississauga Road, likely related to the former farm buildings on 10124 Mississauga Road (**Photograph 4**). It is WSP's understanding that these monitoring wells are part of the hydrogeological studies completed for the proposed development in the Phase One Study Area.

#### 5.2.1.5 SEWAGE WORKS

No sewage or wastewater is generated at the Phase One Property, as it is vacant with no buildings or structures. Tile drains were observed south of the Phase One Property near the woodlot on the south-western portion of the Phase One Study Area.

#### 5.2.1.6 GROUND SURFACE

The surface elevation at the Phase One Property varies depending on the location.

The ground surface at the Phase One Property is generally covered by grass with the exception of the west limit of the existing Lagerfeld Drive and crossing at Mississauga Road where pavements were observed.

**5.2.1.7 RAILWAY LINES AND SPURS**

The Canadian National (CN) railway is located at the edge of the Phase One Study Area to the north, and runs in an east-west direction.

**5.2.1.8 STAINED SOIL, VEGETATION OR PAVEMENT**

No areas of stained soil or vegetation were observed at the Phase One Property.

**5.2.1.9 STRESSED VEGETATION**

No stressed vegetation were observed at the Phase One Property.

**5.2.1.10 AREAS WHERE FILL AND DEBRIS MATERIALS APPEAR TO HAVE BEEN PLACED OR GRADED**

Based on the records reviewed and the Site visit completed, the following issues were identified:

- Stockpiles of fill material were observed in the area of the former buildings on the west side of Mississauga Road on 10124 Mississauga Road; and
- Stockpile of fill at the end of Lagerfeld Drive (likely related to the construction activity where area north of the roadway was used for the staging area) that are within the proposed alignment on the Phase One Property.

**5.2.1.11 POTENTIALLY CONTAMINATING ACTIVITY**

Based on the findings of the site reconnaissance, the following on-site PCA was identified:

**Table 5-1 On-site PCAs**

LOCATION OF PCA	PCA # AS PER O.REG.153
<b>On the west side of Mississauga Road, on 10124 Mississauga Road at or near the former barn</b>	PCA # 30: Fill Material of Unknown Quality, based on observation of fill material of unknown quality
<b>West limit of the Lagerfeld Drive</b>	PCA # 30: Fill Material of Unknown Quality, based on observation of fill material of unknown quality

**Other Issues of Potential Environmental Concern**

The Site is adjacent to Mississauga Road, Creditview Road and Lagerfeld Drive, which are municipal roadways. These municipal roadways may have been subjected to seasonal de-icing activities. However, any potential contamination caused by the use of de-icing substances for the purpose of keeping a municipal roadway safe for traffic under conditions of ice and snow is not considered an exceedance under O.Reg.153/04, s.48 (3). Although the soil and groundwater should be assessed for the contaminants of concern associated with de-icing (i.e., EC and SAR in soil and chloride and sodium in groundwater), any identified impacts do not need to be delineated or remediated. This PCA is not considered to contribute to an area of potential environmental concern.

There was no evidence of the following items of potential environmental concern at the Phase One Property:

- Aboveground or underground storage tanks;
- Pits or lagoons;
- Unidentified substances; or
- Hazardous materials.

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## 5.2.2 OBSERVATIONS WITHIN PHASE ONE STUDY AREA

The Phase One Study Area showing adjacent lands is shown in Figure 2. Adjacent properties were viewed from the Phase One Property and publicly accessible boundaries to assess the potential for uses to adversely affect the Phase One Property. At the time of the site reconnaissance, the following adjacent properties were observed:

**Table 5-2 Phase One Study Area Reconnaissance Observations**

IDENTIFIABLE FEATURES	SPECIFIC OBSERVATIONS
<b>Immediately Adjacent Properties</b>	
<b>Adjacent Land Uses</b>	Adjacent land uses at the time of the Site reconnaissance are illustrated on Figure 2 and were noted as follows: <u>North</u> : Vacant land on both sides of Mississauga Road, residential parcels north of Huttonville Creek crossing; Construction staging area along west limit of to Lagerfeld Drive; Stormwater management ponds on 40 Lagerfeld Drive <u>East</u> : Creditview Road, vacant land/Mount Pleasant GO train station beyond; <u>South</u> : Vacant/undeveloped land (proposed commercial south of west limit of Lagerfeld Drive) Stockpile of fills were observed storing on this portion of land at the southwest corner of Lagerfeld Drive and Creditview Road, partly on the Phase One Property; and <u>West</u> : Vacant land.
<b>Water Bodies</b>	Huttonville Creek traverse the Phase One Property twice on the east side of Mississauga Road.
<b>Areas of Natural Significance</b>	As per sections 3.1.6, 3.2.1 and 3.3.4, the wetlands on the west side of Mississauga Road are Provincially Significant wetlands.

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## 5.2.3 ENHANCED INVESTIGATION PROPERTY

The Phase One Property is not considered as an enhanced investigation property.

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## 5.3 WRITTEN DESCRIPTION OF INVESTIGATION

The written description of the investigation and reconnaissance is documented throughout Section 6 with APECs identified and discussed in Section 7 below.

# 6 REVIEW AND EVALUATION OF INFORMATION

## 6.1 CURRENT AND PAST USES

A summary of current and past uses for the Phase One Property is provided in Table 6-1.

**Table 6-1 Summary of Current and Past Uses**

YEAR	NAME OF OWNER	DESCRIPTION OF PROPERTY USE	PROPERTY USE	OTHER OBSERVATIONS FROM AERIAL PHOTOGRAPHS, FIRE INSURANCE PLANS, ETC.
<b>EAST OF MISSISSAUGA ROAD: 14364-2225(LT)</b>				
Prior to 1822	Crown	Agricultural or Other Use	Agricultural or Other Use	Based on aerial photos reviewed, no buildings have ever been constructed onsite. The stormwater management pond located immediately north of the Phase One property on this parcel was constructed sometime between 2010 and 2017.
1822 to 2003	Various individuals	Agricultural		
2003 to 2013	Mattamy (Credit River) Limited	Agricultural		
2013 to current	The Corporation of the City of Brampton	Vacant land	Agricultural or Other Use	
<b>East of Mississauga Road: 14364-2226(LT)</b>				
Prior to 1822	Crown	Agricultural or Other Use	Agricultural or Other Use	Based on aerial photo reviewed, no buildings have ever been constructed onsite. The portion of land consisted of valley land and agricultural field.
1822 to 2003	Various individuals			
2003 to 2013	Mattamy (Credit River) Limited			
2013 to current	The Corporation of the City of Brampton			
<b>East of Mississauga Road: 14364-2251(LT)</b>				
Prior to 1822	Crown	Agricultural or Other Use	Agricultural or Other Use	Based on aerial photo reviewed, no buildings have ever been constructed onsite. The portion of land consisted of valley land and agricultural field.
1822 to 2003	Various individuals			
2003 to 2013	Mattamy (Credit River) Limited			
2013 to current	The Corporation of the City of Brampton			
<b>East of Mississauga Road: 14364-2359(LT)</b>				
Prior to 1853	Crown	Agricultural or Other Use	Agricultural or Other Use	Based on aerial photos reviewed, no buildings have ever been constructed onsite. The portion of land consisted of valley land and agricultural fields.
1822 to 2003	Various individuals	Agricultural	Agricultural or Other Use	
2003 to current	Mattamy (Credit River) Limited	Vacant	Agricultural or Other Use	

West of Mississauga Road: 14363-0028(LT)				
Prior to 1853	Crown			Based on aerial photo reviewed, no buildings have ever been constructed on the Phase One Property.
1824 to 2007	Various individuals	Agricultural or Other Use	Agricultural or Other Use	
2007 to Current	Heathwood Homes (Brampton) Limited			
West of Mississauga Road: 14363-0054(LT)				
Prior to 1824	Crown	Agricultural or Other Use	Agricultural or Other Use	Based on aerial photo reviewed, the barn building on the Phase One Property was constructed sometime after 1954 and was demolished with the rest of the farm buildings at 10124 Mississauga Road sometime between 2002 and 2010.
1824 to 2007	Various individuals	Agricultural and Residential uses	Agricultural and Residential uses	
2007 to 2014	Osmington Inc	Agricultural or Other Use	Agricultural or Other Use	
2014 to current	NW Brampton Regional Centre Inc			

The table of current and past uses of the Phase One Property presented on the form as approved by the Director is provided as **Table 1**.

## 6.2 POTENTIALLY CONTAMINATING ACTIVITY

PCAs at the Phase One Property or Phase One Study Area are summarized in Table 6-2. This information, including the number defined in O. Reg. 153/04, Schedule D, Table 2 and their locations are illustrated on the Phase One Conceptual Site Model provided as Figure 3.

**Table 6-2 Phase One Study Area Reconnaissance Observations**

PCA ID	PCA	DESCRIPTION OF PCA	LOCATION IN RELATION TO THE PHASE ONE PROPERTY	DATA SOURCE	PCA RESULTED IN APEC (YES/NO)	RATIONALE
1	30. Fill Material of Unknown Quality  40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Bulk Storage  28. Gasoline and Associated Products in Fixed Tanks	Stockpile of fill material observed during site reconnaissance	On the west side of Mississauga Road	Site reconnaissance	YES	Fill piles were observed during Site reconnaissance. Fill material of unknown quality may have been imported to 10124 Mississauga Road and in close proximity of the Phase One Property during at the time of the building demolition onsite. There is also a potential for storage of pesticides and use of fuels as well as equipment repair being carried out in the barn that are related to the farming practices.

PCA ID	PCA	DESCRIPTION OF PCA	LOCATION IN RELATION TO THE PHASE ONE PROPERTY	DATA SOURCE	PCA RESULTED IN APEC (YES/NO)	RATIONALE
2	30. Fill Material of Unknown Quality	Stockpiled fill material likely related to the construction work on the Phase One Study Area also stored on the Phase One Property	Along west limit of Lagerfeld Drive	Site reconnaissance	Yes	Stockpile fill material of unknown environmental quality was observed during the Site reconnaissance.
3	N/A	Seasonal de-icing activities	In close proximity of the roadways	Records review, Site reconnaissance	No	Any potential contamination caused by the use of de-icing substances for the purpose of keeping a municipal roadway safe for traffic under conditions of ice and snow is not considered an exceedance under O.Reg.153/04, s.48 (3).

## 6.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Two APECs were identified at the Phase One Property. The location of the APECs are summarized in Figure 2 and Table 6-3.

**Table 6-3 Summary of Areas of Potential Environmental Concern**

AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)	LOCATION OF AREA OF POTENTIAL ENVIRONMENTAL CONCERN ON PHASE ONE PROPERTY	POTENTIAL CONTAMINATING ACTIVITY	LOCATION OF POTENTIAL CONTAMINATING ACTIVITY (ONSITE OR OFFSITE)	POTENTIAL CONTAMINANTS OF POTENTIAL ENVIRONMENTAL CONCERN	MEDIA POTENTIALLY IMPACTED (GROUNDWATER, SOIL AND/OR SEDIMENT)
<b>APEC-1</b>	West of Mississauga Road	30. Fill Material of Unknown Quality 40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Bulk Storage 28. Gasoline and Associated Products in Fixed Tanks	On-site	Metals and Inorganics*, PHC BTEX, PAHs, OC Pesticides	Soil and groundwater

AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)	LOCATION OF AREA OF POTENTIAL ENVIRONMENTAL CONCERN ON PHASE ONE PROPERTY	POTENTIAL CONTAMINATING ACTIVITY	LOCATION OF POTENTIAL CONTAMINATING ACTIVITY (ONSITE OR OFFSITE)	CONTAMINANTS OF POTENTIAL ENVIRONMENTAL CONCERN	MEDIA POTENTIALLY IMPACTED (GROUNDWATER, SOIL AND/OR SEDIMENT)
<b>APEC-2</b>	On west limit of Lagerfeld Drive	30. Fill Material of Unknown Quality	On-site	Metals and Inorganics*, PHC BTEX, PAHs	Soil

\*Metals and Inorganics include: Metals, As, Sb, Se, CN-, B HWS, Cr(VI) and Hg

PHC BTEX – petroleum hydrocarbons including benzene, toluene, ethylbenzene and xylenes

OC Pesticides - Organochlorine pesticides

- **APEC-1 (Area west of Mississauga Road):** Fill piles were observed during the Site reconnaissance in the area of the former buildings at 10124 Mississauga Road. The potential of importation of fill material of unknown quality as part of the building demolition at 10124 Mississauga Road and in close proximity of the Phase One Property. There is also a potential for storage of pesticides and use of fuels as well as equipment repair being carried out in the barn that are related to the farming practices; and
- **APEC-2 (On west limit of Lagerfeld Drive):** Stockpile of fill was observed on the Phase One Property likely related to the construction work in the Phase One Study Area. As the soil is stockpiled on an asphalt surface, impacts to groundwater are not suspected.

## 6.4 PHASE ONE CONCEPTUAL SITE MODEL

As part of the Phase One ESA, a Conceptual Site Model (CSM) was developed for the Phase One Property located at the proposed East-West Connection from Mount Pleasant GO Station to West of Mississauga Road, in the City of Brampton, Ontario.

Based on the historical review and site reconnaissance, WSP concludes that there is a potential for soil of unknown environmental quality located on the Phase One Property. Information presented in this report that contributes to the development of a conceptual site model (CSM) is presented in Figure 2 and summarized as follows:

### 6.4.1 FIGURES

A Phase One Conceptual Site Model figure for the Site is presented as **Figure 2**. The figures present the following information for the Phase One Property and Phase One Study Area:

- The locations of previous buildings and structures;
- Uses of properties adjacent to the Phase One Property;
- A water body, Huttonville Creek, traverses the Phase One Property on the east side of Mississauga Road;
- Two wetlands considered as area of natural significance are identified to the north and south of the Phase One Property on the west side of Mississauga Road;
- Drinking water wells were identified in the Phase One Study Area;
- Surrounding properties are residential, agricultural or under development purposes;
- Road names in the Phase One Study Area are shown on Figure 2; and
- APECs, as identified in Section 6.3.

It should be noted that:

- No buildings or structures are currently present at the Phase One Property;

## 6.4.2 POTENTIALLY CONTAMINATING ACTIVITY

PCAs identified within the Phase One Study Area and on the Phase One Property are shown on Figure 2 and are discussed in Section 6.2. Those PCAs which were identified as contributing to an APEC on the Phase One Property are also shown on Figure 2. Table 6-4 summarises the PCAs that have been determined to contribute to on-Site APEC's; Table 2, following the text, provides this information in the MECP approved table format.

**Table 6-4 Summary of PCAs**

POTENTIALLY CONTAMINATING ACTIVITY	OBSERVATIONS
<p><b>PCA # 30: Fill Material of Unknown Quality</b></p> <p><b>PCA # 40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Bulk Storage</b></p>	<p><b>On-Site</b> – Fill piles were observed during the Site reconnaissance in the area of the former buildings at 10124 Mississauga Road. The potential of importation of fill material of unknown quality as part of the building demolition at 10124 Mississauga Road and in close proximity of and this has the potential to impact soil at the Phase One Property.</p> <p>There is also a potential for storage of pesticides and use of fuels as well as equipment repair being carried out in the barn that are related to the farming practices also may impact shallow soil at the area of the Phase One Property</p> <p>The area where the PCAs are identified at the west side of Mississauga Road is identified as APEC-1.</p>
<p><b>PCA # 30: Fill Material of Unknown Quality</b></p>	<p><b>On-Site</b> – Stockpile fill material of unknown environmental quality was observed on the west limit of Lagerfeld Drive on the Phase One Property and offsite on the Phase One Study Area.</p> <p>The on-site where the stockpiles are identified at the eastern portion of the Phase One Property is identified as APEC-2.</p>
<p><b>N/A: Application of Road Salt</b></p>	<p><b>Off-Site</b> - The Site is adjacent to Mississauga Road, Creditview Road and Lagerfeld Drive, which are municipal roadways. These municipal roadways may have been subjected to seasonal de-icing activities. However, any potential contamination caused by the use of de-icing substances for the purpose of keeping a municipal roadway safe for traffic under conditions of ice and snow is not considered an exceedance under O.Reg.153/04, s.48 (3). Although the soil and groundwater should be assessed for the contaminants of concern associated with de-icing (i.e., EC and SAR in soil and chloride and sodium in groundwater), any identified impacts do not need to be delineated or remediated.</p> <p>This PCA is not considered to contribute to an area of potential environmental concern.</p>

## 6.4.3 POTENTIAL ENVIRONMENTAL CONCERNS AND POTENTIAL CONTAMINANTS OF CONCERN

The potential environmental concerns at the Phase One Property and their associated potential contaminants of concern are summarized as follows:

**Table 6-5 Potential Environmental Concern and Potential Contaminant of Concern**

POTENTIALLY CONTAMINATING ACTIVITY	POTENTIAL CONTAMINANTS OF CONCERN
<p><b>PCA # 30: Fill Material of Unknown Quality</b></p>	M&I, PHC/ BTEX and PAHs
<p><b>PCA # 40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Bulk Storage</b></p>	OC Pesticides

M&I - Metals and Inorganics

PAHs - Polycyclic Aromatic Hydrocarbons

PHC BTEX – petroleum hydrocarbons including benzene, toluene, ethylbenzene and xylenes

OC Pesticides – Organochlorine pesticides

## 6.4.4 IMPACT OF UNDERGROUND UTILITIES

Underground utility trenches, typically backfilled with permeable granular materials, have the potential to affect contaminant distribution and transport. Utilities servicing the Phase One Property (natural gas, water, sewer, and

hydro along Lagerfeld and in the area of the former buildings on 10124 Mississauga Road) may be a concern for contaminant transport on the Phase One Property. Underground utilities on adjacent properties may also affect local migration of contaminants in the subsurface..

#### **6.4.5 GEOLOGICAL AND HYDROGEOLOGICAL INFORMATION**

The Phase One Property is at approximately 238 masl along Mississauga Road and ranges from 236.5 to 244 masl depending on the location on the Phase One Property.

The inferred groundwater flow direction is reported to be southeasterly and towards Huttonville Creek. The depth to the groundwater table is expected to be as shallow as 1.8 mbgs based on well records reviewed.

Geological records indicate bedrock consists of shale with limestone, dolostone and siltstone of the Queenston formation.

#### **6.4.6 UNCERTAINTY AND ABSENCE OF INFORMATION**

During the records review, WSP relied on information obtained from municipal, provincial, and independent sources as referenced in this report. Not all information has been received at this time. Although the information was assessed for consistency, verification of the accuracy or the completeness of this third party information was not completed. The use of reports from multiple sources of information contributes to the reduction in uncertainty in the evaluation of possible environmental concerns at the Phase One Property.

WSP made all reasonable inquiries to obtain reasonably accessible information for this assessment as required by O. Reg. 153/04 Schedule D Table 1: Mandatory Requirements for Phase One ESA Reports. The evaluation provided in this report reflects our best judgment in light of the information available at the time of report preparation.

# 7 CONCLUSIONS

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## 7.1 WHETHER PHASE TWO ESA REQUIRED BEFORE RSC SUBMITTED

Based on the findings of the Phase One ESA, potential environmental impacts are present at the Phase One Property from PCAs identified at the Phase One Property and in the Phase One Study Area.

A Phase Two ESA in accordance with O. Reg. 153/04 is required to investigate soil and groundwater quality at the identified APECs prior to filing an RSC.

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## 7.2 QUALIFIER

This assignment is limited to a data assessment, site inspection, and preliminary analysis of potential areas of contamination. During this assessment, WSP has relied on information obtained from sources as referenced in this report. Verification of the accuracy or completeness of this third-party information was not completed.

Site characterization was limited to the direct observation of visible and accessible locations. Subsurface investigations, sampling, and laboratory analyses were not completed as part of this assessment.

This Phase One ESA is prepared for the City of Brampton solely for their exclusive use in the evaluation of East-West Connection Mount Pleasant GO Station to West of Mississauga Road, City of Brampton. It is understood that site conditions, environmental or otherwise, are not static and that this report documents site conditions at the time of the assessment.

The conclusions provided in this report reflect our best judgment in light of the information available at the time of report preparation. Any use, which a third party makes of this report, or any reliance on or any decisions to be made based on it, is the responsibility of such third parties. WSP accepts no responsibility for damages, if any, suffered by any third party because of decisions made or actions based on this report. If site conditions are observed to be different from those reported, please contact us.

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## 7.3 QUALIFICATIONS OF THE ASSESSORS

The Phase One ESA report was reviewed by Chris Roach, P.Eng. Mr. Roach is an environmental engineer with over 17 years of experience in the consulting field. He is a professional engineer (P.Eng.) and a registered Qualified Person (QP<sub>ESA/RA</sub>) under O. Reg. 153/04 with extensive experience related to ESAs, risk assessments, and remediation projects. His experience includes involvement in over 1,500 ESAs for various public- and private-sector clients, and specializes in developing and implementing sustainable and cost-effective remediation and risk-based solutions for the management of environmental contaminants.

Site reconnaissance was completed by Mr. Dan Neerhof. The report was completed by Ms. Elizabeth Tsui, M.Env.Sc., P.Eng., EP. The noted individuals conduct Phase I and Phase II ESAs including document research, site visits, interviews, and reporting. As well, they all implement field investigations, including soil sampling through drilling, test pitting, sediment sampling, surface water sampling and groundwater monitoring and sampling.

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## 7.4 SIGNATURES

This Phase One ESA was conducted under the undersigned QP<sub>ESA</sub>, in accordance with the requirements of O. Reg. 153/04.

### WSP CANADA Inc.

Report prepared by



Elizabeth Tsui, M.Env.Sc., P.Eng., EP, QP<sub>ESA</sub>  
Project Engineer, Environment

Reviewed by



Chris Roach, P.Eng., QP<sub>ESA</sub>/RA  
Senior Project Manager, Environmental Management

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## 7.5 STANDARD LIMITATIONS

This Report was prepared for the Client, solely for their exclusive use to provide an Assessment of current environmental conditions in association with the Site. WSP will not be responsible for any use of this report by any other party, for any decisions to be made based on it, or for the consequences thereof, unless written reliance is granted by WSP.

The Report summarizes WSP's review of available data in accordance with the principal components of the stated regulations, standards and guidelines and the scope, terms and conditions of the contract or proposal to which the Assignment was conducted. No other warranties are either expressed or implied with respect to the professional services provided under the terms of the contract or proposal and represented in this Report. Conditions may exist which were not detected given the nature of the inquiry WSP was retained to undertake with respect to the Site. Additional environmental studies and actions may be recommended.

The Report is based on data and information collected at the time of this Assessment, as stated in the Report. Site use or conditions change and the information and conclusions in the Report may no longer apply following the date of this Report. If any conditions become apparent that differ significantly from that presented in this Report, we request that we be notified to reassess the conclusions and recommendations provided herein. WSP disclaims any obligation to update this Report for conditions that may be identified after the date of this Report; however, WSP reserves the right to amend or supplement this report based on additional information, documentation or evidence.

In evaluating the Site, WSP has relied in good faith on information provided by others, as noted in the Report. WSP has assumed that the information provided is correct and WSP assumes no responsibility for the accuracy, completeness or workmanship of any such information.

The Report is intended to be used in its entirety. No excerpts may be taken to be representative of the findings in the assessment.

The conclusions are based on the Site conditions observed by WSP at the time the work was performed and may include information obtained at specific testing and/or sampling locations. It is recognized that overall conditions can only be extrapolated to an undefined limited area around these testing and sampling locations. The conditions that WSP interprets to exist between testing and sampling points may differ from those that actually exist. The accuracy of any extrapolation and interpretation beyond the sampling locations will depend on natural conditions, the history of Site development and changes through construction and other activities. In addition, analysis has been carried out for the identified chemical and physical parameters only, and it should not be inferred that other chemical species or physical conditions are not present. WSP cannot warrant against undiscovered environmental liabilities or adverse impacts off-Site.

The conclusions presented in this Report are based on Work undertaken by trained professional and technical staff and the reasonable and professional interpretation of the information considered. Conclusions presented in this report should not be construed as legal advice. WSP makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in the Report, including, but not limited to, ownership of any property, or the application of any law to the findings of the Assessment.

## 8 REFERENCE

- Chapman, L.J. and Putman, D.F. 2007. Physiography of southern Ontario; Ontario Geological Survey, Miscellaneous Release – Data 228.
- Ontario Geological Survey 2011. 1:250 000 scale Bedrock Geology of Ontario; Ontario Geological Survey, Miscellaneous Release---Data 126-Revision 1.
- Ontario Geological Survey. 2010. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release – Data 128 – Revised.
- Ontario Ministry of the Environment. 2011. Ontario Regulation 153/04, Records of Site Condition – Part XV.1 of the Act. July 2011.
- The Atlas of Canada: Topographic Maps. National Resources Canada. Map Sheet Number 30M12.
- TransCanada, Life Cycle of a Pipeline, available at <https://www.transcanada.com/en/discover-energy/lifecycle-of-a-pipeline/>
- WSP Canada Inc. 2015 *Natural Heritage Existing Conditions Report, East-West Connection, Mount Pleasant GO Station to West of Mississauga Road Municipal Class “C” Environmental Assessment, City of Brampton, Regional Municipality of Peel, Ontario*

# **TABLES**



## TABLES

# ***T-1*** *CURRENT AND PAST USE TABLE*

**"Table of current and past uses of the phase one property"  
(Refer to clause 16(2)(b), Schedule D, O.Reg. 153/04)**

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc
<b>PIN 14364-2225(LT)</b>				
pre-1822	The Crown	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1822-1831	Peter Lawrence	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1831-1922	David McClure	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1922-1948	Thomas H. Elliot	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1948-1952	Oscar E. McClure & Robert R. McClure	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1952-2003	Harold McClure	Likely farmland.	Agriculture or other use	Based on the 1954, 1994, and 2002 aerial photos, no buildings have ever been constructed at the Phase One property on this parcel.
2003-2013	Mattamy (Credit River) Limited	Vacant portion of stormwater management pond parcel.	Industrial/ Commercial/ Community	Based on the 2010 aerial photo, no buildings have ever been constructed onsite. The stormwater management pond located immediately north of the Phase One property on this parcel was constructed sometime between 2010 and 2017.
2013-Present	The Corporation of The City of Brampton	Vacant portion of stormwater management pond parcel.	Industrial/ Commercial/ Community	Based on the 2017 aerial photo, no buildings have ever been constructed onsite. The stormwater management pond located immediately north of the Phase One property on this parcel was constructed sometime between 2010 and 2017.
<b>PIN 14364-2226 (LT)</b>				
pre-1822	The Crown	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1822-1831	Peter Lawrence	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1831-1922	David McClure	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1922-1948	Thomas H. Elliot	Likely farmland.	Agriculture or other use	No aerial photos or other records available.

1948-1952	Oscar E. McClure & Robert R. McClure	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1952-2003	Harold McClure	Likely farmland.	Agriculture or other use	Based on the 1954, 1994, and 2002 aerial photos, no buildings have ever been constructed at the Phase One property on this parcel.
2003-2013	Mattamy (Credit River) Limited	Vacant	Agriculture or other use	Based on the 2010 aerial photo, no buildings have ever been constructed at the Phase One property on this parcel.
2013-Present	The Corporation of The City of Brampton	Vacant	Agriculture or other use	Based on the 2017 aerial photo, no buildings have ever been constructed at the Phase One property on this parcel.
<b>PIN 14364-2251 (LT)</b>				
pre-1822	The Crown	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1822-1831	Peter Lawrence	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1831-1922	David McClure	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1922-1948	Thomas H. Elliot	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1948-1952	Oscar E. McClure & Robert R. McClure	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1952-1978	Harold McClure	Likely farmland.	Agriculture or other use	Based on the 1954 aerial photo, no buildings have ever been constructed at the Phase One property on this parcel.
1978-2003	Harold McClure	Likely farmland.	Agriculture or other use	Based on the 1954, 1994, and 2002 aerial photos, no buildings have ever been constructed at the Phase One property on this parcel.
1978-2003	Isabelle Grierson McClure	Likely farmland. This property was split off and is Pt 1 43R5736.	Agriculture or other use	Based on the 1954, 1994, and 2002 aerial photos, no buildings have ever been constructed at the Phase One property on this parcel.
2003-2013	Mattamy (Credit River) Limited	Likely farmland converted to active road used for access to the stormwater management pond.	Industrial/ Commercial/ Community	Based on the 2010 aerial photo, no buildings have been constructed onsite. A paved cul-de-sac leading to the stormwater management pond located north of the Phase One property on this parcel was constructed between 2010 and 2017.
2013-Present	The Corporation of The City of Brampton	Active road used for access to the stormwater management pond.	Industrial/ Commercial/ Community	Based on the 2017 aerial photo, a paved cul-de-sac leading to the stormwater management pond located north of the Phase One property on this parcel was

				constructed between 2010 and 2017.
<b>PIN 14364-2359 (LT)</b>				
pre-1853	The Crown	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1853-1865	James Clarke	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1865-1922	John McClure (part 1)	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1965-1948	John McClure (part 2)	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1992-1948	Thomas Elliott (part 1)	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1948-1952	Oscar McClure & Robert McClure (part 1)	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1948-2003	Harold Francis McClure (part 2)	Farmland.	Agriculture or other use	Based on aerial photos, no buildings have been constructed onsite.
1952-2003	Harold McClure (part 2)	Farmland.	Agriculture or other use	Based on aerial photos, no buildings have been constructed onsite.
2003-2003	Robert Arthur McClure Murray Stuart McClure Margaret Anne Glenn (parts 1 and 2)	Farmland.	Agriculture or other use	Based on aerial photos, no buildings have been constructed onsite.
2003-Present	Mattamy (Credit River) Limited	Farmland.	Agriculture or other use	Based on aerial photos, no buildings have been constructed onsite.
<b>PIN 14363-0028 (LT)</b>				
pre-1853	The Crown	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1853-1865	James Clarke	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1865-1904	John McClure	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1904-1907	Henry Cation	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1907-1917	John Poyntz	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1917-1919	Clarence Dolson	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1919-1924	Arthur Fagan	Likely farmland.	Agriculture or other use	No aerial photos or other records available.

1924-1956	Herbert Adams	Likely farmland.	Agriculture or other use	Based on the 1954 aerial photo, no buildings have ever been constructed at the Phase One property on this parcel.
1956-1957	Keith & Catherine Monkman	Likely farmland.	Agriculture or other use	No additional information.
1957-1964	Jean & Lloyd Crichton	Likely farmland.	Agriculture or other use	No additional information.
1964-1984	John Crawford	Likely farmland.	Agriculture or other use	No additional information.
1984-1991	Donald Lloyd Crawford	Likely farmland.	Agriculture or other use	No additional information.
1991-2006	John Laidlaw Crawford Donald Lloyd Crawford	Likely farmland.	Agriculture or other use	Based on the 1994 and 2002 aerial photos, no buildings have ever been constructed at the Phase One property on this parcel.
2006-2007	John Laidlaw Crawford Donald Lloyd Crawford Carolyn Barbara Crawford Mary Gladys Crawford	Likely farmland.	Agriculture or other use	No additional information.
2006-Present	Healthwood Homes (Brampton) Limited	Farmland.	Agriculture or other use	Based on the 2010 and 2017 aerial photos, no buildings have ever been constructed at the Phase One property on this parcel.  Based on interview information, the property has been used for agricultural purpose.
<b>PIN 14363-0054 (LT)</b>				
pre-1824	The Crown	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1824-1829	Alexander C. Lawrence	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1829-1846	Angus McNicol	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1846-1852	James Witham	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1852-1922	David McClure	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1922-1948	Thomas H. Elliot	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1948-1953	Oscar McClure & Robert McClure	Likely farmland.	Agriculture or other use	No aerial photos or other records available.
1953-1962	Oscar E. McClure	Likely farmland with barn.	Agriculture or other use	Based on the 1954 aerial photo, no buildings have ever been constructed at the Phase One property on this parcel. A residential building is located south of the

				Phase One Property.
1962-1984	John Laidlaw Crawford	Farmland with barn and silos	Agriculture or other use	Based on the 1954 aerial photo, the barn building on the Phase One Property was constructed sometime after 1954.
1984-2006	Donald Lloyd Crawford	Farmland with barns and silos	Agriculture or other use	Based on the 1954, 1994, 2002 aerial photos, the barn building on the Phase One Property was constructed sometime after 1954 and existed after 2002.
2006-2006	Donald Lloyd Crawford John Laidlaw Crawford	Farmland with barns and silos	Agriculture or other use	No additional information.
2006-2007	Donald Lloyd Crawford	Farmland with barns and silos.	Agriculture or other use	No additional information.
2007-2014	Osmington Inc.	Farmland with barns and silos	Agriculture or other use	Based on the 2002 and 2010 aerial photos, the barn building on the Phase One Property was demolished with the rest of the farm buildings at 10124 Mississauga Road sometime between 2002 and 2010.
2014-present	NW Brampton Regional Centre Inc.	Farmland	Agriculture or other use	Based on the 2017 aerial photo reviewed, no additional buildings have been built on the Phase One Property. Based on interview information, the property has been used for agricultural purpose.

*Notes:*

1 - for each owner, specify one of the following types of property use (as defined in O.Reg. 153/04) that applies:

- Agriculture or other use
- Commercial use
- Community use
- Industrial use
- Institutional use
- Parkland use
- Residential use

2 - when submitting a record of site condition for filing, a copy of this table must be attached

***\*\*Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 671/92, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en français, veuillez communiquer avec le ministère de l'Environnement et de l'Action en matière de changement climatique au 1-800-461-6290***

## **TABLES**

# ***T-2 APEC TABLE***

"Table of areas of potential environmental concern"  
 (Refer to clause 16(2)(a), Schedule D, O. Reg. 153/04)

Area of potential environmental concern <sup>1</sup>	Location of area of potential environmental concern on phase one property	Potentially contaminating activity <sup>2</sup>	Location of PCA (on-site or off-site)	Contaminants of potential concern <sup>3</sup>	Media potentially Impacted (Ground water, soil and/or sediment)
<p>APEC-1</p> <p>(Stockpile of fill materials were observed west of Mississauga Road at 10124 Mississauga Road during the Site reconnaissance in the area of the former buildings. There is a potential for storage of pesticides and use of fuels as well as equipment repair being carried out in the barn that are related to the farming practices.)</p>	<p>West of Mississauga Road</p>	<p>30. Fill Material of Unknown Quality</p> <p>40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Bulk Storage</p> <p>28. Gasoline and Associated Products in Fixed Tanks</p>	<p>On-Site</p>	<p>Metals, As, Sb, Se, CN-, B HWS, Cr(VI), Hg, PHC BTEX, PAHs, OC Pesticides</p>	<p>Soil and Groundwater</p>
<p>APEC-2</p> <p>(A stockpile of fill of unknown quality was observed on the west limit of Lagerfeld Drive. The stockpile was observed to extend onto the Phase One Property during the Site reconnaissance. The stockpile is likely related to the construction work in the Phase One Study Area.)</p>	<p>On west limit of Lagerfeld Drive</p>	<p>30. Fill Material of Unknown Quality</p>	<p>Onsite and Off-Site</p>	<p>Metals, As, Sb, Se, CN-, B HWS, Cr(VI), Hg, PHC BTEX, PAHs</p>	<p>Soil</p>

**Notes:**

- 1 - Areas of potential environmental concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,
  - (a) identification of past or present uses on, in or under the phase one property, and
  - (b) identification of potentially contaminating activity.
- 2 - Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area
- 3 - When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the "Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below:

**List of Method Groups:**

ABNs	PCBs	Metals	Electrical Conductivity
CPs	PAHs	As, Sb, Se	Cr (VI)
1,4-Dioxane	THMs	Na	Hg
Dioxins/Furans, PCDDs/PCDFs	VOCs	B-HWS	Methyl Mercury
OCs	BTEX	Cl-	Low or high pH,
PHCs	Ca, Mg	CN-	SAR

- 4 - When submitting a record of site condition for filing, a copy of this table must be attached

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# FIGURES





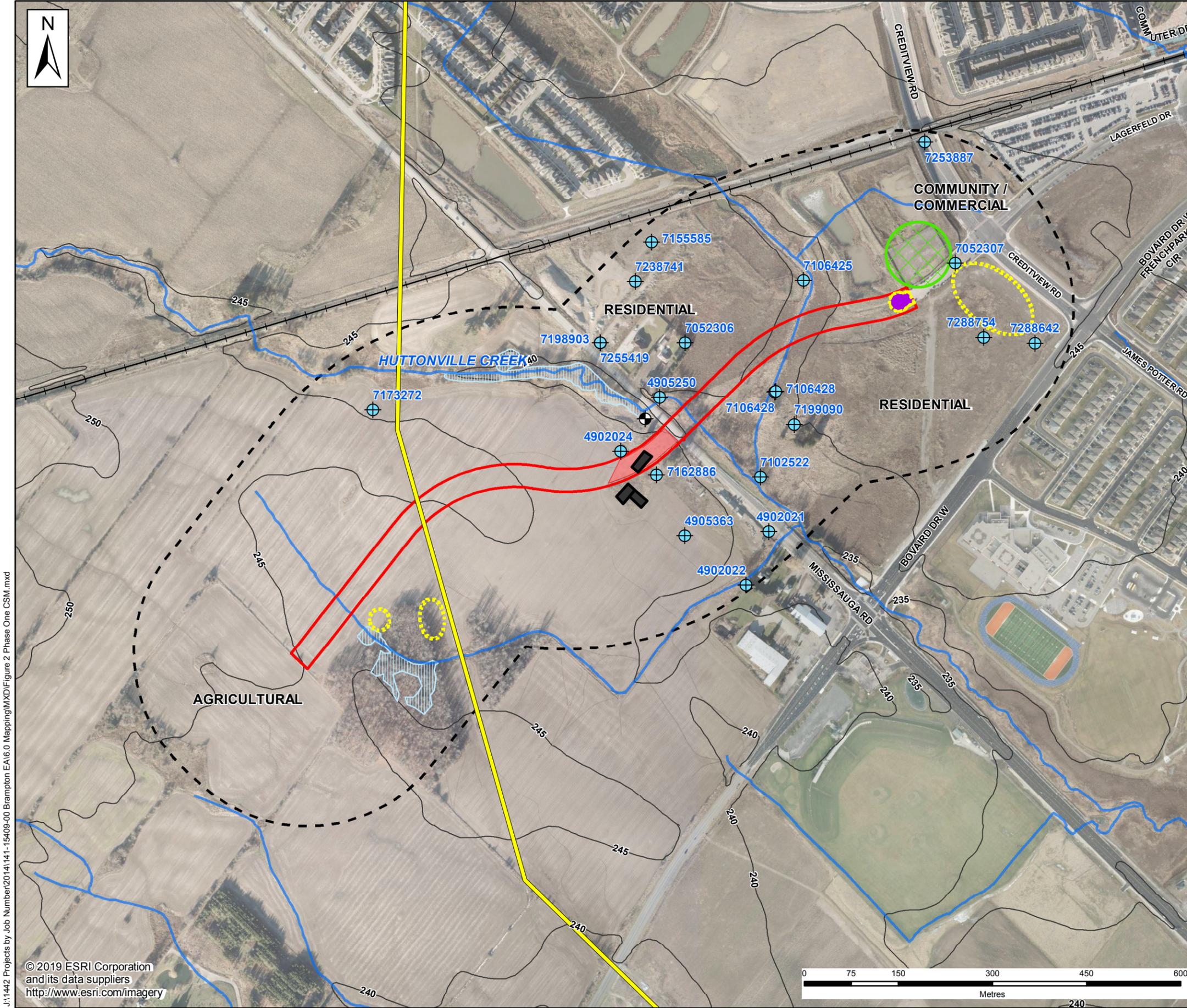
J:\1442 Projects by Job Number\20141141-15409-00 Brampton EA\6.0 Mapping\MXD\Figure 1 Site Location.mxd

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**LEGEND**

-  SITE LOCATION
-  PROPOSED ALIGNMENT
-  STUDY AREA - 250M
-  PARCEL FABRIC

Client:	<b>CITY OF BRAMPTON</b>	
Title:	<b>SITE LOCATION</b>	
Prepared By:		
141-15409-00	Scale as Shown	Review: ET
Date: August 2018	<b>Figure: 1</b>	
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**LEGEND**

- PROPOSED ALIGNMENT
- STUDY AREA - 250M
- ⊕ MECP WATER WELL RECORDS
- ⊕ DUG WELL
- RAILWAY
- TRANSCANADA PIPELINE
- TOPOGRAPHIC CONTOURS
- WATERCOURSES
- PROVINCIALY SIGNIFICANT WETLAND
- FILL STOCKPILE
- CONSTRUCTION STAGING AREA
- FORMER BUILDING

**AREAS OF POTENTIAL ENVIRONMENTAL CONCERN**

- APEC-1
- APEC-2

J:\1442 Projects by Job Number\2014\141-154\09-00 Brampton EA\6.0 Mapping\MXD\Figure 2 Phase One CSM.mxd  
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Client:	<b>CITY OF BRAMPTON</b>		
Title:	<b>PHASE ONE CONCEPTUAL SITE MODEL</b>		
Prepared By:			
141-15409-00	Scale as Shown	Review: ET	
Date: JUNE 2019	<b>Figure: 2</b>		
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# APPENDIX

# A ERIS REPORT



**ERIS**  
ENVIRONMENTAL RISK INFORMATION SERVICES



# DATABASE REPORT

**Project Property:** *Brampton EA  
Bovaird And Mississauga  
Brampton ON*

**Project No:** *141-15409-00 Phase 16*

**Report Type:** *Quote - Custom-Build Your Own Report*

**Order No:** *20180129071*

**Requested by:** *WSP Canada Inc.*

**Date Completed:** *February 1, 2018*

**Environmental Risk  
Information Services**  
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**[www.erisinfo.com](http://www.erisinfo.com)**

# Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	6
Executive Summary: Site Report Summary - Surrounding Properties.....	7
Executive Summary: Summary By Data Source.....	10
Map.....	14
Aerial.....	15
Topographic Map.....	16
Detail Report.....	17
Unplottable Summary.....	101
Unplottable Report.....	103
Appendix: Database Descriptions.....	110
Definitions.....	118

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# Executive Summary

## **Property Information:**

**Project Property:** *Brampton EA  
Bovaird And Mississauga Brampton ON*

**Project No:** *141-15409-00 Phase 16*

## **Order Information:**

**Order No:** *20180129071*

**Date Requested:** *January 29, 2018*

**Requested by:** *WSP Canada Inc.*

**Report Type:** *Quote - Custom-Build Your Own Report*

## **Historical/Products:**

## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.26km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	0	0
CA	<i>Certificates of Approval</i>	Y	0	1	1
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	5	5
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	6	6
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EXP	<i>List of TSSA Expired Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	7	7
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	1	1
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.26km</b>	<b>Total</b>
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBW	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	1	1
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	1	1
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	1	1
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	1	1
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	30	30
<b>Total:</b>			0	54	54

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

## Executive Summary: Site Report Summary - Surrounding Properties

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">1</a>	WWIS		lot 11 con 5 ON	WSW/16.1	0.61	<a href="#">17</a>
<a href="#">2</a>	WWIS		Brampton ON	ENE/19.7	2.15	<a href="#">19</a>
<a href="#">3</a>	WWIS		BRAMPTON ON	SW/47.2	0.39	<a href="#">21</a>
<a href="#">4</a>	WWIS		lot 11 con 4 ON	W/50.4	-2.06	<a href="#">24</a>
<a href="#">5</a>	WWIS		Brampton ON	E/51.9	-2.31	<a href="#">26</a>
<a href="#">6</a>	WWIS		ON	W/57.1	-0.23	<a href="#">30</a>
<a href="#">7</a>	OOGW	OGS 89-5A	Chinguacousy ON	ENE/59.5	2.77	<a href="#">31</a>
<a href="#">8</a>	GEN	McNally Construction Inc	10056 Mississauga Road Brampton ON	W/64.1	-2.86	<a href="#">31</a>
<a href="#">8</a>	GEN	McNally Construction Inc	10056 Mississauga Road Brampton ON L7A0B8	W/64.1	-2.86	<a href="#">32</a>
<a href="#">8</a>	GEN	McNally Construction Inc	10056 Mississauga Road Brampton ON L7A0B8	W/64.1	-2.86	<a href="#">32</a>
<a href="#">9</a>	WWIS		lot 11 con 4 BRAMPTON ON	NE/70.3	3.77	<a href="#">32</a>
<a href="#">10</a>	EHS		Ashby Field Road And Bovaird Drive Brampton ON	E/79.0	1.77	<a href="#">38</a>
<a href="#">11</a>	WWIS		Brampton ON	NE/92.0	-2.46	<a href="#">38</a>
<a href="#">12</a>	WWIS		Brampton ON	NW/92.9	1.77	<a href="#">41</a>
<a href="#">13</a>	WWIS		lot 10 con 4 Brampton ON	ENE/94.6	2.77	<a href="#">43</a>
<a href="#">14</a>	EHS		10124 MISSISSAUGA RD BRAMPTON ON L7A 0B8	W/100.4	-0.91	<a href="#">46</a>
<a href="#">15</a>	CA	Greater Toronto Transit Authority	1600 Bovaird Drive West Brampton ON	ENE/104.3	1.88	<a href="#">46</a>
<a href="#">15</a>	ECA	Greater Toronto Transit Authority	1600 Bovaird Drive West Brampton ON M5J 2W3	ENE/104.3	1.88	<a href="#">46</a>
<a href="#">15</a>	SPL	Brampton Transit<UNOFFICIAL>	Mount Pleasant GO Station 1600 Bovaird Road West, Brampton Brampton ON	ENE/104.3	1.88	<a href="#">46</a>
<a href="#">16</a>	RSC	Mattamy (Credit River) Limited	1722 BOVAIRD DR W, BRAMPTON, ON, L7A 0H8 BRAMPTON ON L7A 0H8	ENE/105.5	2.77	<a href="#">47</a>
<a href="#">17</a>	WWIS		lot 11 con 4 ON	ENE/109.5	2.77	<a href="#">47</a>
<a href="#">18</a>	WWIS		MOUNT PLEASANT ON	ESE/110.8	-0.21	<a href="#">50</a>
<a href="#">19</a>	WWIS		ON	ENE/115.1	3.20	<a href="#">52</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">20</a>	ECA	Mattamy (Credit River) Limited and Ashwid Developments Inc.	Brampton ON L6H 6M5	NE/140.7	3.77	<a href="#">53</a>
<a href="#">20</a>	ECA	Mattamy (Credit River) Limited	Brampton ON L6H 6M5	NE/140.7	3.77	<a href="#">53</a>
<a href="#">20</a>	ECA	Mattamy (Credit River) Limited and Ashwid Developments Inc.	Brampton ON L6H 6M5	NE/140.7	3.77	<a href="#">54</a>
<a href="#">20</a>	ECA	Mattamy (Credit River) Limited	West of Hurontario Street Brampton ON L6H 6M5	NE/140.7	3.77	<a href="#">54</a>
<a href="#">21</a>	WWIS		lot 11 con 4 ON	NE/141.4	3.77	<a href="#">54</a>
<a href="#">21</a>	WWIS		lot 11 con 4 ON	NE/141.4	3.77	<a href="#">55</a>
<a href="#">22</a>	EHS		1985 Bovaird Dr W Brampton ON	ENE/143.9	2.77	<a href="#">58</a>
<a href="#">23</a>	WWIS		BRAMPTON ON	SSE/149.6	-4.76	<a href="#">58</a>
<a href="#">24</a>	WWIS		lot 11 con 5 ON	SSW/152.1	-0.33	<a href="#">61</a>
<a href="#">25</a>	MNR	NORVAL	ON	NE/175.0	4.76	<a href="#">64</a>
<a href="#">26</a>	WWIS		MISSISSAUGA ON	WNW/176.1	1.47	<a href="#">64</a>
<a href="#">26</a>	WWIS		Brampton ON	WNW/176.1	1.47	<a href="#">67</a>
<a href="#">27</a>	WWIS		lot 11 con 4 BRAMPTON ON	ENE/179.1	2.06	<a href="#">69</a>
<a href="#">28</a>	EHS		Creditview Road And Bovaird Drive Brampton ON	ENE/179.9	1.77	<a href="#">70</a>
<a href="#">29</a>	EHS		10244 Mississauga Road Brampton ON L7A 0B8	WNW/185.6	0.77	<a href="#">70</a>
<a href="#">30</a>	WWIS		lot 11 con 4 BRAMPTON ON	NE/191.0	4.76	<a href="#">71</a>
<a href="#">30</a>	WWIS		lot 11 con 4 BRAMPTON ON	NE/191.0	4.76	<a href="#">72</a>
<a href="#">31</a>	WWIS		BRAMPTON ON	NE/197.1	2.80	<a href="#">74</a>
<a href="#">32</a>	EHS		PO BOX 184 RR2 10201 Mississauga Road Norval ON L0P 1K0	WNW/203.3	1.85	<a href="#">75</a>
<a href="#">32</a>	GEN	NORVAL FARM SUPPLY	RR #2 10201 Mississauga Road NORVAL ON L0P 1K0	WNW/203.3	1.85	<a href="#">76</a>
<a href="#">32</a>	PES	NORVAL FARM SUPPLY DIV OF MAPLE FARM SUPPLY LT	R.R. #2 NORVAL ON L0N 1E0	WNW/203.3	1.85	<a href="#">76</a>
<a href="#">33</a>	GEN	Mount Pleasant Dentistry	15 Ashby Field Road, Unit 11 Brampton ON L6X 0R3	ENE/208.2	1.77	<a href="#">76</a>
<a href="#">33</a>	GEN	Mount Pleasant Dentistry	15 Ashby Field Road, Unit 11 Brampton ON L6X 0R3	ENE/208.2	1.77	<a href="#">77</a>
<a href="#">33</a>	GEN	Mount Pleasant Dentistry	15 Ashby Field Road, Unit 11 Brampton ON L6X 0R3	ENE/208.2	1.77	<a href="#">77</a>
<a href="#">34</a>	WWIS		Brampton ON	NW/218.0	0.77	<a href="#">77</a>
<a href="#">35</a>	WWIS		lot 11 con 4 BRAMPTON ON	NE/218.7	5.07	<a href="#">80</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#"><u>36</u></a>	WWIS		lot 11 con 4 Brampton ON	NE/218.7	5.07	<a href="#"><u>81</u></a>
<a href="#"><u>37</u></a>	WWIS		lot 11 con 5 ON	SSE/224.9	-5.26	<a href="#"><u>83</u></a>
<a href="#"><u>38</u></a>	WWIS		Brampton ON	NNW/252.7	-0.17	<a href="#"><u>86</u></a>
<a href="#"><u>39</u></a>	WWIS		MISSISSAUGA ON	WNW/263.1	0.76	<a href="#"><u>96</u></a>
<a href="#"><u>39</u></a>	WWIS		Brampton ON	WNW/263.1	0.76	<a href="#"><u>98</u></a>

# Executive Summary: Summary By Data Source

## **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 1 CA site(s) within approximately 0.26 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Greater Toronto Transit Authority	1600 Bovaird Drive West Brampton ON	104.3	<a href="#"><u>15</u></a>

## **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 2011-Oct 2017 has found that there are 5 ECA site(s) within approximately 0.26 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Greater Toronto Transit Authority	1600 Bovaird Drive West Brampton ON M5J 2W3	104.3	<a href="#"><u>15</u></a>
Mattamy (Credit River) Limited	West of Hurontario Street Brampton ON L6H 6M5	140.7	<a href="#"><u>20</u></a>
Mattamy (Credit River) Limited and Ashwid Developments Inc.	Brampton ON L6H 6M5	140.7	<a href="#"><u>20</u></a>
Mattamy (Credit River) Limited	Brampton ON L6H 6M5	140.7	<a href="#"><u>20</u></a>
Mattamy (Credit River) Limited and Ashwid Developments Inc.	Brampton ON L6H 6M5	140.7	<a href="#"><u>20</u></a>

## **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Aug 2016 has found that there are 6 EHS site(s) within approximately 0.26 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	Ashby Field Road And Bovaird Drive Brampton ON	79.0	<a href="#"><u>10</u></a>
	10124 MISSISSAUGA RD BRAMPTON ON L7A 0B8	100.4	<a href="#"><u>14</u></a>
	1985 Bovaird Dr W Brampton ON	143.9	<a href="#"><u>22</u></a>
	Creditview Road And Bovaird Drive Brampton ON	179.9	<a href="#"><u>28</u></a>
	10244 Mississauga Road Brampton ON L7A 0B8	185.6	<a href="#"><u>29</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	PO BOX 184 RR2 10201 Mississauga Road Norval ON L0P 1K0	203.3	<a href="#"><u>32</u></a>

### **GEN - Ontario Regulation 347 Waste Generators Summary**

A search of the GEN database, dated 1986-Jun 2017 has found that there are 7 GEN site(s) within approximately 0.26 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
McNally Construction Inc	10056 Mississauga Road Brampton ON	64.1	<a href="#"><u>8</u></a>
McNally Construction Inc	10056 Mississauga Road Brampton ON L7A0B8	64.1	<a href="#"><u>8</u></a>
McNally Construction Inc	10056 Mississauga Road Brampton ON L7A0B8	64.1	<a href="#"><u>8</u></a>
NORVAL FARM SUPPLY	RR #2 10201 Mississauga Road NORVAL ON L0P 1K0	203.3	<a href="#"><u>32</u></a>
Mount Pleasant Dentistry	15 Ashby Field Road, Unit 11 Brampton ON L6X 0R3	208.2	<a href="#"><u>33</u></a>
Mount Pleasant Dentistry	15 Ashby Field Road, Unit 11 Brampton ON L6X 0R3	208.2	<a href="#"><u>33</u></a>
Mount Pleasant Dentistry	15 Ashby Field Road, Unit 11 Brampton ON L6X 0R3	208.2	<a href="#"><u>33</u></a>

### **MNR - Mineral Occurrences**

A search of the MNR database, dated 1846-Feb 2017 has found that there are 1 MNR site(s) within approximately 0.26 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
NORVAL	ON	175.0	<a href="#"><u>25</u></a>

### **OOGW - Ontario Oil and Gas Wells**

A search of the OOGW database, dated 1800-Oct 2017 has found that there are 1 OOGW site(s) within approximately 0.26 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
OGS 89-5A	Chinguacousy ON	59.5	<a href="#"><u>7</u></a>

### **PES - Pesticide Register**

A search of the PES database, dated 1988-Aug 2017 has found that there are 1 PES site(s) within approximately 0.26 kilometers of the

project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
NORVAL FARM SUPPLY DIV OF MAPLE FARM SUPPLY LT	R.R. #2 NORVAL ON L0N 1E0	203.3	<a href="#">32</a>

### **RSC - Record of Site Condition**

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Nov 2017 has found that there are 1 RSC site(s) within approximately 0.26 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Mattamy (Credit River) Limited	1722 BOVAIRD DR W, BRAMPTON, ON, L7A 0H8 BRAMPTON ON L7A 0H8	105.5	<a href="#">16</a>

### **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Sep 2017 has found that there are 1 SPL site(s) within approximately 0.26 kilometers of the project property.

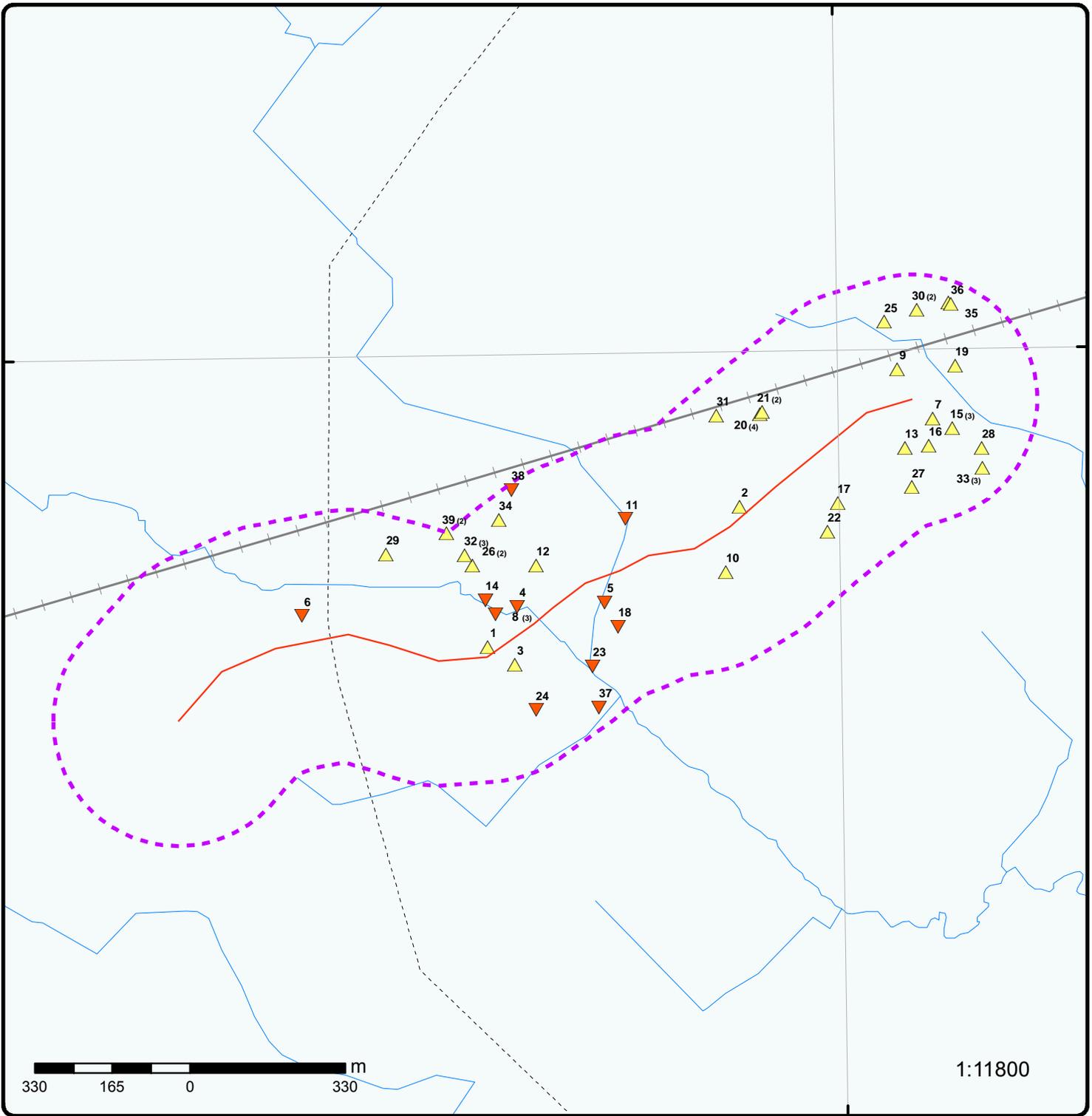
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Brampton Transit<UNOFFICIAL>	Mount Pleasant GO Station 1600 Boivaird Road West, Brampton Brampton ON	104.3	<a href="#">15</a>

### **WWIS - Water Well Information System**

A search of the WWIS database, dated Mar 31, 2017 has found that there are 30 WWIS site(s) within approximately 0.26 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 11 con 5 ON	16.1	<a href="#">1</a>
	Brampton ON	19.7	<a href="#">2</a>
	BRAMPTON ON	47.2	<a href="#">3</a>
	lot 11 con 4 ON	50.4	<a href="#">4</a>
	Brampton ON	51.9	<a href="#">5</a>
	ON	57.1	<a href="#">6</a>
	lot 11 con 4 BRAMPTON ON	70.3	<a href="#">9</a>
	Brampton ON	92.0	<a href="#">11</a>
	Brampton ON	92.9	<a href="#">12</a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 10 con 4 Brampton ON	94.6	<a href="#"><u>13</u></a>
	lot 11 con 4 ON	109.5	<a href="#"><u>17</u></a>
	MOUNT PLEASANT ON	110.8	<a href="#"><u>18</u></a>
	ON	115.1	<a href="#"><u>19</u></a>
	lot 11 con 4 ON	141.4	<a href="#"><u>21</u></a>
	lot 11 con 4 ON	141.4	<a href="#"><u>21</u></a>
	BRAMPTON ON	149.6	<a href="#"><u>23</u></a>
	lot 11 con 5 ON	152.1	<a href="#"><u>24</u></a>
	Brampton ON	176.1	<a href="#"><u>26</u></a>
	MISSISSAUGA ON	176.1	<a href="#"><u>26</u></a>
	lot 11 con 4 BRAMPTON ON	179.1	<a href="#"><u>27</u></a>
	lot 11 con 4 BRAMPTON ON	191.0	<a href="#"><u>30</u></a>
	lot 11 con 4 BRAMPTON ON	191.0	<a href="#"><u>30</u></a>
	BRAMPTON ON	197.1	<a href="#"><u>31</u></a>
	Brampton ON	218.0	<a href="#"><u>34</u></a>
	lot 11 con 4 BRAMPTON ON	218.7	<a href="#"><u>35</u></a>
	lot 11 con 4 Brampton ON	218.7	<a href="#"><u>36</u></a>
	lot 11 con 5 ON	224.9	<a href="#"><u>37</u></a>
	Brampton ON	252.7	<a href="#"><u>38</u></a>
	MISSISSAUGA ON	263.1	<a href="#"><u>39</u></a>
	Brampton ON	263.1	<a href="#"><u>39</u></a>



### Map : 0.265 Kilometer Radius

Order No: 20180129071

Address: Bovaird And Mississauga, Brampton, ON



- |                                   |                                   |                                |
|-----------------------------------|-----------------------------------|--------------------------------|
| Project Property                  | Industrial and Resource - Regions | National Park                  |
| Buffer Outline                    | Main Line                         | Provincial or Territorial Park |
| Eris Sites with Higher Elevation  | Sidetrack                         | Other Park                     |
| Eris Sites with Same Elevation    | Transit Line                      | Golf Course or Driving Range   |
| Eris Sites with Lower Elevation   | Abandoned Line                    | Park or Sports Field           |
| Eris Sites with Unknown Elevation |                                   | Other Recreation Area          |



240 120 0 240 m

1:9600

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

# Aerial (2017)

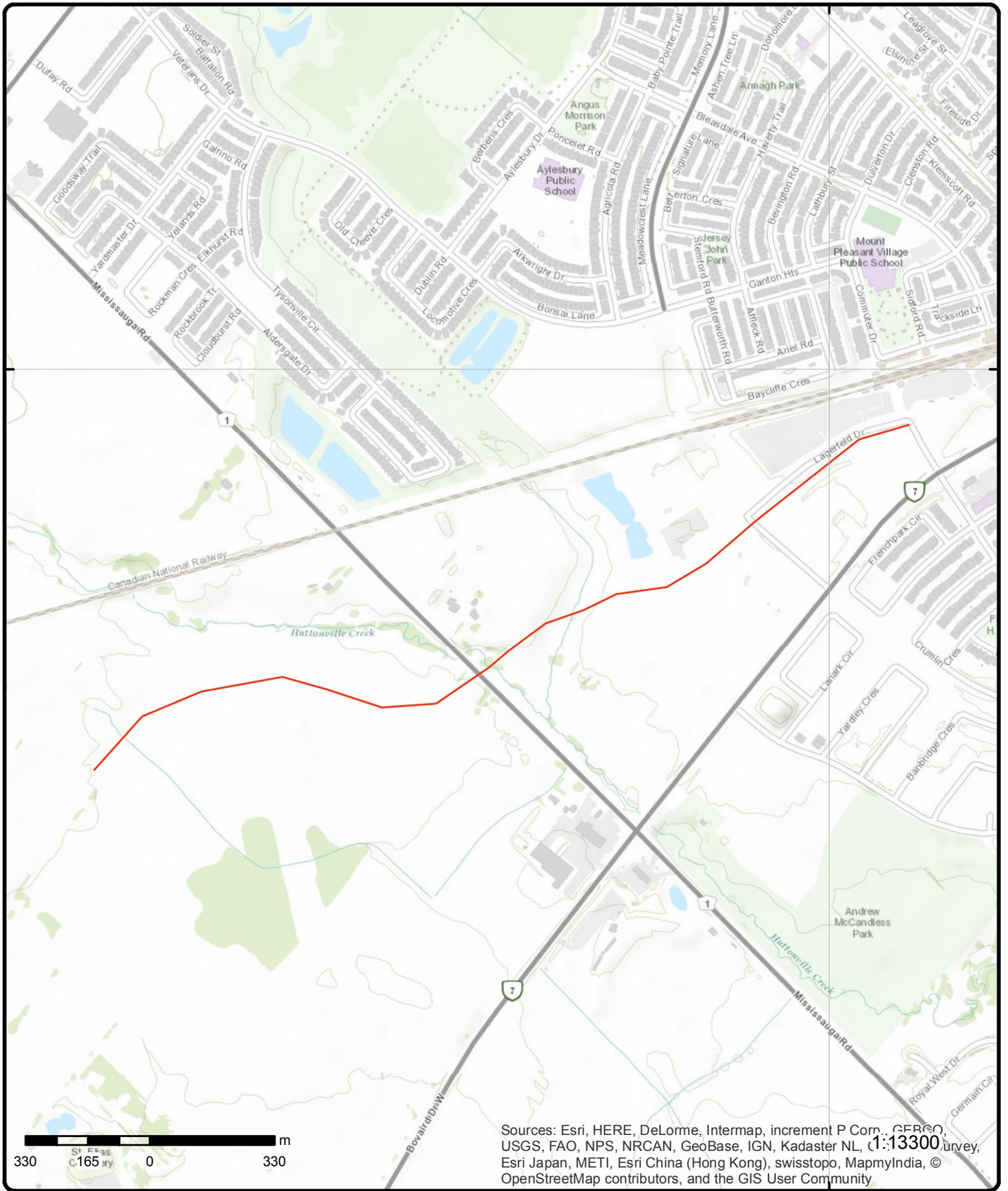
Address: Bovaird And Mississauga, Brampton, ON

Source: ESRI World Imagery

Order No: 20180129071



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Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, (1:13300) survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

# Topographic Map

Address: Bovaird And Mississauga, Brampton, ON

Source: ESRI World Topographic Map

Order No: 20180129071



© ERIS Information Limited Partnership

# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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<u>1</u>	1 of 1	WSW/16.1	240.7	lot 11 con 5 ON	WWIS
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<p><b>Well ID:</b> 4902024</p> <p><b>Construction Date:</b></p> <p><b>Primary Water Use:</b> Livestock</p> <p><b>Sec. Water Use:</b> Domestic</p> <p><b>Final Well Status:</b> Water Supply</p> <p><b>Water Type:</b></p> <p><b>Casing Material:</b></p> <p><b>Audit No:</b></p> <p><b>Tag:</b></p> <p><b>Construction Method:</b></p> <p><b>Elevation (m):</b></p> <p><b>Elevation Reliability:</b></p> <p><b>Depth to Bedrock:</b></p> <p><b>Well Depth:</b></p> <p><b>Overburden/Bedrock:</b></p> <p><b>Pump Rate:</b></p> <p><b>Static Water Level:</b></p> <p><b>Flowing (Y/N):</b></p> <p><b>Flow Rate:</b></p> <p><b>Clear/Cloudy:</b></p>	<p><b>Data Entry Status:</b></p> <p><b>Data Src:</b> 1</p> <p><b>Date Received:</b> 8/31/1967</p> <p><b>Selected Flag:</b> 1</p> <p><b>Abandonment Rec:</b></p> <p><b>Contractor:</b> 1307</p> <p><b>Form Version:</b> 1</p> <p><b>Owner:</b></p> <p><b>Street Name:</b></p> <p><b>County:</b> PEEL</p> <p><b>Municipality:</b> BRAMPTON CITY (CHINGUACOUSY)</p> <p><b>Site Info:</b></p> <p><b>Lot:</b> 011</p> <p><b>Concession:</b> 05</p> <p><b>Concession Name:</b> HS W</p> <p><b>Easting NAD83:</b></p> <p><b>Northing NAD83:</b></p> <p><b>Zone:</b></p> <p><b>UTM Reliability:</b></p>
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### Bore Hole Information

<p><b>Bore Hole ID:</b> 10316867</p> <p><b>DP2BR:</b></p> <p><b>Code OB:</b> o</p> <p><b>Code OB Desc:</b> Overburden</p> <p><b>Open Hole:</b></p> <p><b>Elevation:</b> 241.124801</p> <p><b>Elevrc:</b></p> <p><b>Remarks:</b></p> <p><b>Elevrc Desc:</b></p> <p><b>Location Source Date:</b></p> <p><b>Improvement Location Source:</b></p> <p><b>Improvement Location Method:</b></p> <p><b>Source Revision Comment:</b></p> <p><b>Supplier Comment:</b></p>	<p><b>Spatial Status:</b></p> <p><b>Cluster Kind:</b></p> <p><b>UTMRC:</b> 5</p> <p><b>UTMRC Desc:</b> margin of error : 100 m - 300 m</p> <p><b>Location Method:</b> p5</p> <p><b>Org CS:</b></p> <p><b>Date Completed:</b> 7/25/1967</p>
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### Overburden and Bedrock

#### Materials Interval

<b>Formation ID:</b>	932036458
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	02
<b>Most Common Material:</b>	TOPSOIL
<b>Mat2:</b>	05
<b>Other Materials:</b>	CLAY
<b>Mat3:</b>	09
<b>Other Materials:</b>	MEDIUM SAND

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>		0.00			
<b>Formation End Depth:</b>		18.00			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932036459			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		11			
<b>Most Common Material:</b>		GRAVEL			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		18.00			
<b>Formation End Depth:</b>		20.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964902024			
<b>Method Construction Code:</b>		6			
<b>Method Construction:</b>		Boring			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10865437			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930523705			
<b>Layer:</b>		1			
<b>Material:</b>		3			
<b>Open Hole or Material:</b>		CONCRETE			
<b>Depth From:</b>					
<b>Depth To:</b>		20.00			
<b>Casing Diameter:</b>		30.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		994902024			
<b>Pump Set At:</b>					
<b>Static Level:</b>		6.00			
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>		19.00			
<b>Pumping Rate:</b>		2.00			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		2.00			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Flowing:		N			
<b><u>Water Details</u></b>					
Water ID:		933789995			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		20.00			
Water Found Depth UOM:		ft			

<a href="#">2</a>	1 of 1	ENE/19.7	242.2	Brampton ON	WWIS
<b>Well ID:</b>	7052307			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring			<b>Date Received:</b>	11/15/2007
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Observation Wells			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	6809
<b>Casing Material:</b>				<b>Form Version:</b>	4
<b>Audit No:</b>	Z69286			<b>Owner:</b>	
<b>Tag:</b>	A062227			<b>Street Name:</b>	MISSISSAUGA ROAD
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**Bore Hole Information**

<b>Bore Hole ID:</b>	23052307			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	
<b>Code OB:</b>				<b>UTMRC:</b>	3
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>				<b>Location Method:</b>	wwr
<b>Elevation:</b>	243.385467			<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	1/26/2007
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1000057261
<b>Layer:</b>	1
<b>Color:</b>	7
<b>General Color:</b>	RED
<b>Mat1:</b>	34
<b>Most Common Material:</b>	TILL
<b>Mat2:</b>	17

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Other Materials:</b>		SHALE			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0.00			
<b>Formation End Depth:</b>		17.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1000057263			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.00			
<b>Plug To:</b>		10.00			
<b>Plug Depth UOM:</b>		ft			
<b>Plug ID:</b>		1000057264			
<b>Layer:</b>		2			
<b>Plug From:</b>		10.00			
<b>Plug To:</b>		17.00			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1000057269			
<b>Method Construction Code:</b>		6			
<b>Method Construction:</b>		Boring			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1000057259			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1000057266			
<b>Layer:</b>					
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>					
<b>Depth To:</b>		12.00			
<b>Casing Diameter:</b>		2.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1000057267			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>					
<b>Screen Diameter UOM:</b>					
<b>Screen Diameter:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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**Results of Well Yield Testing**

**Pump Test ID:** 1000057260  
**Pump Set At:**  
**Static Level:**  
**Final Level After Pumping:**  
**Recommended Pump Depth:**  
**Pumping Rate:**  
**Flowing Rate:**  
**Recommended Pump Rate:**  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 0  
**Water State After Test:**  
**Pumping Test Method:** 0  
**Pumping Duration HR:**  
**Pumping Duration MIN:**  
**Flowing:**

**Water Details**

**Water ID:** 1000057265  
**Layer:** 1  
**Kind Code:**  
**Kind:**  
**Water Found Depth:**  
**Water Found Depth UOM:** ft

**Hole Diameter**

**Hole ID:** 1000057262  
**Diameter:** 8.25  
**Depth From:**  
**Depth To:** 17.00  
**Hole Depth UOM:** ft  
**Hole Diameter UOM:** inch

[3](#)      1 of 1      **SW/47.2**      **240.5**      **BRAMPTON ON**      **WWIS**

<p> <b>Well ID:</b> 7162886  <b>Construction Date:</b>  <b>Primary Water Use:</b> Monitoring  <b>Sec. Water Use:</b>  <b>Final Well Status:</b> Observation Wells  <b>Water Type:</b>  <b>Casing Material:</b>  <b>Audit No:</b> Z109758  <b>Tag:</b> A095115  <b>Construction Method:</b>  <b>Elevation (m):</b>  <b>Elevation Reliability:</b>  <b>Depth to Bedrock:</b>  <b>Well Depth:</b>  <b>Overburden/Bedrock:</b>  <b>Pump Rate:</b>  <b>Static Water Level:</b>  <b>Flowing (Y/N):</b>  <b>Flow Rate:</b>  <b>Clear/Cloudy:</b> </p>	<p> <b>Data Entry Status:</b>  <b>Data Src:</b>  <b>Date Received:</b> 5/6/2011  <b>Selected Flag:</b> 1  <b>Abandonment Rec:</b>  <b>Contractor:</b> 7247  <b>Form Version:</b> 7  <b>Owner:</b>  <b>Street Name:</b> 10124 MISSISSAUGA RD  <b>County:</b> PEEL  <b>Municipality:</b> BRAMPTON CITY (CHINGUACOUSY)  <b>Site Info:</b>  <b>Lot:</b>  <b>Concession:</b>  <b>Concession Name:</b>  <b>Easting NAD83:</b>  <b>Northing NAD83:</b>  <b>Zone:</b>  <b>UTM Reliability:</b> </p>
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**Bore Hole Information**

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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<b>Bore Hole ID:</b>	1003506477	<b>Spatial Status:</b>	
<b>DP2BR:</b>		<b>Cluster Kind:</b>	
<b>Code OB:</b>		<b>UTMRC:</b>	3
<b>Code OB Desc:</b>		<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>		<b>Location Method:</b>	wwr
<b>Elevation:</b>	241.087341	<b>Org CS:</b>	UTM83
<b>Elevrc:</b>		<b>Date Completed:</b>	2/17/2010
<b>Remarks:</b>			
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

<b>Formation ID:</b>	1003811396
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	02
<b>Most Common Material:</b>	TOPSOIL
<b>Mat2:</b>	
<b>Other Materials:</b>	
<b>Mat3:</b>	77
<b>Other Materials:</b>	LOOSE
<b>Formation Top Depth:</b>	0.00
<b>Formation End Depth:</b>	0.91
<b>Formation End Depth UOM:</b>	ft

<b>Formation ID:</b>	1003811397
<b>Layer:</b>	2
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	06
<b>Most Common Material:</b>	SILT
<b>Mat2:</b>	05
<b>Other Materials:</b>	CLAY
<b>Mat3:</b>	28
<b>Other Materials:</b>	SAND
<b>Formation Top Depth:</b>	0.91
<b>Formation End Depth:</b>	5.00
<b>Formation End Depth UOM:</b>	ft

<b>Formation ID:</b>	1003811398
<b>Layer:</b>	3
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	06
<b>Most Common Material:</b>	SILT
<b>Mat2:</b>	08
<b>Other Materials:</b>	FINE SAND
<b>Mat3:</b>	11
<b>Other Materials:</b>	GRAVEL
<b>Formation Top Depth:</b>	5.00
<b>Formation End Depth:</b>	20.00
<b>Formation End Depth UOM:</b>	ft

**Annular Space/Abandonment  
Sealing Record**

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<b>Plug ID:</b>		1003811406			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.00			
<b>Plug To:</b>		14.00			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1003811404			
<b>Method Construction Code:</b>		6			
<b>Method Construction:</b>		Boring			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1003811395			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1003811401			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		15.00			
<b>Casing Diameter:</b>		2.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1003811402			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		15.00			
<b>Screen End Depth:</b>		20.00			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.25			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1003811400			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		ft			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1003811399			
<b>Diameter:</b>		6.00			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		20.00			
<b>Hole Depth UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Hole Diameter UOM:</b>		inch			
<a href="#">4</a>	1 of 1	W/50.4	238.0	lot 11 con 4 ON	WWIS
<b>Well ID:</b>	4905250			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	12/23/1977
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	3637
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY (CHINGUACOUSY)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	011
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	HS W
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10320005			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	
<b>Code OB:</b>	o			<b>UTMRC:</b>	4
<b>Code OB Desc:</b>	Overburden			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Open Hole:</b>				<b>Location Method:</b>	p4
<b>Elevation:</b>	238.407516			<b>Org CS:</b>	
<b>Elevrc:</b>				<b>Date Completed:</b>	5/16/1977
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	932049241				
<b>Layer:</b>	1				
<b>Color:</b>	6				
<b>General Color:</b>	BROWN				
<b>Mat1:</b>	02				
<b>Most Common Material:</b>	TOPSOIL				
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	0.00				
<b>Formation End Depth:</b>	1.00				
<b>Formation End Depth UOM:</b>	ft				
<b>Formation ID:</b>	932049242				
<b>Layer:</b>	2				
<b>Color:</b>	6				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Mat3:</b>		91			
<b>Other Materials:</b>		WATER-BEARING			
<b>Formation Top Depth:</b>		1.00			
<b>Formation End Depth:</b>		17.00			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932049243			
<b>Layer:</b>		3			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		12			
<b>Other Materials:</b>		STONES			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		17.00			
<b>Formation End Depth:</b>		27.00			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932049244			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		10			
<b>Most Common Material:</b>		COARSE SAND			
<b>Mat2:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		27.00			
<b>Formation End Depth:</b>		36.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964905250			
<b>Method Construction Code:</b>		6			
<b>Method Construction:</b>		Boring			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10868575			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930528072			
<b>Layer:</b>		1			
<b>Material:</b>		3			
<b>Open Hole or Material:</b>		CONCRETE			
<b>Depth From:</b>					
<b>Depth To:</b>		35.00			
<b>Casing Diameter:</b>		30.00			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b>Casing ID:</b>		930528073			
<b>Layer:</b>		2			
<b>Material:</b>		2			
<b>Open Hole or Material:</b>		GALVANIZED			
<b>Depth From:</b>					
<b>Depth To:</b>		37.00			
<b>Casing Diameter:</b>		32.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		994905250			
<b>Pump Set At:</b>					
<b>Static Level:</b>		12.00			
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>		30.00			
<b>Pumping Rate:</b>		7.00			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		6.00			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		2			
<b>Water State After Test:</b>		CLOUDY			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>		N			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933793295			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		17.00			
<b>Water Found Depth UOM:</b>		ft			

5

1 of 1

E/51.9

237.8

Brampton ON

WWIS

<b>Well ID:</b>	7106428	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring	<b>Date Received:</b>	6/16/2008
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Test Hole	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	6809
<b>Casing Material:</b>		<b>Form Version:</b>	5
<b>Audit No:</b>	M02754	<b>Owner:</b>	
<b>Tag:</b>	A066781	<b>Street Name:</b>	MISSISSAUGA RD. & HWY 7
<b>Construction Method:</b>		<b>County:</b>	PEEL
<b>Elevation (m):</b>		<b>Municipality:</b>	BRAMPTON CITY
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	
<b>Well Depth:</b>		<b>Concession:</b>	
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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Clear/Cloudy:

**Bore Hole Information**

<b>Bore Hole ID:</b>	1001614901	<b>Spatial Status:</b>	
<b>DP2BR:</b>		<b>Cluster Kind:</b>	
<b>Code OB:</b>		<b>UTMRC:</b>	3
<b>Code OB Desc:</b>		<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>		<b>Location Method:</b>	wwr
<b>Elevation:</b>	237.949234	<b>Org CS:</b>	UTM83
<b>Elevrc:</b>		<b>Date Completed:</b>	5/28/2008
<b>Remarks:</b>			
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1002703321
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	02
<b>Most Common Material:</b>	TOPSOIL
<b>Mat2:</b>	
<b>Other Materials:</b>	
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	0.00
<b>Formation End Depth:</b>	1.00
<b>Formation End Depth UOM:</b>	ft

<b>Formation ID:</b>	1002703322
<b>Layer:</b>	2
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	28
<b>Most Common Material:</b>	SAND
<b>Mat2:</b>	05
<b>Other Materials:</b>	CLAY
<b>Mat3:</b>	84
<b>Other Materials:</b>	SILTY
<b>Formation Top Depth:</b>	1.00
<b>Formation End Depth:</b>	5.00
<b>Formation End Depth UOM:</b>	ft

<b>Formation ID:</b>	1002703323
<b>Layer:</b>	3
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	06
<b>Most Common Material:</b>	SILT
<b>Mat2:</b>	05
<b>Other Materials:</b>	CLAY
<b>Mat3:</b>	28
<b>Other Materials:</b>	SAND
<b>Formation Top Depth:</b>	5.00
<b>Formation End Depth:</b>	10.50
<b>Formation End Depth UOM:</b>	ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		1002703324			
<b>Layer:</b>		4			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>		91			
<b>Other Materials:</b>		WATER-BEARING			
<b>Formation Top Depth:</b>		10.50			
<b>Formation End Depth:</b>		17.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1002703326			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.00			
<b>Plug To:</b>		10.00			
<b>Plug Depth UOM:</b>		ft			
<b>Plug ID:</b>		1002703327			
<b>Layer:</b>		2			
<b>Plug From:</b>		10.00			
<b>Plug To:</b>		17.00			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1002703330			
<b>Method Construction Code:</b>		E			
<b>Method Construction:</b>		Auger			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1002703320			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1002703328			
<b>Layer:</b>		1			
<b>Slot:</b>		.01			
<b>Screen Top Depth:</b>		12.00			
<b>Screen End Depth:</b>		17.00			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.00			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1002703325			
<b>Diameter:</b>		8.25			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		17.00			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<i>Hole Depth UOM:</i>		ft			
<i>Hole Diameter UOM:</i>		inch			
<b><u>Bore Hole Information</u></b>					
<i>Bore Hole ID:</i>	1002703311			<b><i>Spatial Status:</i></b>	
<i>DP2BR:</i>				<b><i>Cluster Kind:</i></b>	This is a record from cluster log sheet
<i>Code OB:</i>				<b><i>UTMRC:</i></b>	3
<i>Code OB Desc:</i>				<b><i>UTMRC Desc:</i></b>	margin of error : 10 - 30 m
<i>Open Hole:</i>				<b><i>Location Method:</i></b>	wwr
<i>Elevation:</i>	238.029296			<b><i>Org CS:</i></b>	UTM83
<i>Elevrc:</i>				<b><i>Date Completed:</i></b>	5/29/2008
<i>Remarks:</i>					
<i>Elevrc Desc:</i>					
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<i>Plug ID:</i>	1002703315				
<i>Layer:</i>					
<i>Plug From:</i>					
<i>Plug To:</i>					
<i>Plug Depth UOM:</i>					
<b><u>Method of Construction &amp; Well Use</u></b>					
<i>Method Construction ID:</i>	1002703314				
<i>Method Construction Code:</i>					
<i>Method Construction:</i>					
<i>Other Method Construction:</i>	AUGER				
<b><u>Pipe Information</u></b>					
<i>Pipe ID:</i>	1002703316				
<i>Casing No:</i>	0				
<i>Comment:</i>					
<i>Alt Name:</i>					
<b><u>Construction Record - Casing</u></b>					
<i>Casing ID:</i>	1002703318				
<i>Layer:</i>					
<i>Material:</i>	5				
<i>Open Hole or Material:</i>	PLASTIC				
<i>Depth From:</i>					
<i>Depth To:</i>	5.00				
<i>Casing Diameter:</i>					
<i>Casing Diameter UOM:</i>					
<i>Casing Depth UOM:</i>	ft				
<b><u>Construction Record - Screen</u></b>					
<i>Screen ID:</i>	1002703317				
<i>Layer:</i>					
<i>Slot:</i>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Screen Top Depth:		5.00			
Screen End Depth:		10.00			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:					
Screen Diameter:					
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:		1002703319			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<b><u>Hole Diameter</u></b>					
Hole ID:		1002703313			
Diameter:		8.25			
Depth From:					
Depth To:		10.00			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

<u>6</u>	1 of 1	W/57.1	239.9	ON	WWIS
Well ID:	7173272			Data Entry Status:	Date Entry is incomplete
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	12/9/2011
Sec. Water Use:				Selected Flag:	1
Final Well Status:				Abandonment Rec:	
Water Type:				Contractor:	6607
Casing Material:				Form Version:	5
Audit No:	M10477			Owner:	
Tag:	A115265			Street Name:	
Construction Method:				County:	PEEL
Elevation (m):				Municipality:	BRAMPTON CITY (CHINGUACOUSY)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

**Bore Hole Information**

Bore Hole ID: 1003617712 Spatial Status:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	244.502838			Cluster Kind: UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr Org CS: UTM83 Date Completed: 11/16/2011	

<u>7</u>	1 of 1	ENE/59.5	242.9	OGS 89-5A  Chinguacousy ON	OOGW
Well ID: Well Status Type: Well Status Mode: Status As Of: Licence No: W Class ID: UWI Code: Permit Date: Depth(m): Depth Reached: Status Type Desc: Status Mode Desc: Target Desc: Classification Desc: Operator:	9800 Stratigraphic Test Abandoned Well October 2017 T007462 2372 T007462 1989-3-20 0:00:00 47.2 1989-3-30 0:00:00 A WELL DRILLED FOR THE PURPOSE OF GEOLOGICAL EVALUATION OR TESTING A WELL WHICH IS OFFICIALLY PLUGGED AND ABANDONED ORDOVICIAN Ontario Geological Survey			Lot: 11 Conc: IVW Block: 4 Latitude: 43.67367028 Longitude: -79.82255556 County: Peel Target: ORDOVICIAN Classification: Capped Date: 1989-3-30 0:00:00 Well Compl ID: 15075	
--Details-- Elevation / Top (m): Type of Water: Static Level (m):	245.4 / 0 n/a n/a			Geology/Water: Source: Geology Formation:	Geology FORM 7 Drift
Elevation / Top (m): Type of Water: Static Level (m):	241.7 / 3.7 n/a n/a			Geology/Water: Source: Geology Formation:	Geology FORM 7 Queenston
Elevation / Top (m): Type of Water: Static Level (m):	241.7 / 3.7 n/a n/a			Geology/Water: Source: Geology Formation:	Geology FORM 7 Top of Bedrock
Elevation / Top (m): Type of Water: Static Level (m):	241.7 / 3.7 n/a n/a			Geology/Water: Source: Geology Formation:	Geology MNR Top of Bedrock
Elevation / Top (m): Type of Water: Static Level (m):	241.7 / 3.7 n/a n/a			Geology/Water: Source: Geology Formation:	Geology MNR Queenston

<u>8</u>	1 of 3	W/64.1	237.2	McNally Construction Inc 10056 Mississauga Road Brampton ON	GEN
Generator No.: Status: Approval Years:	ON6899467  2013			PO Box No.: Country: Choice of Contact:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
<b>Contam. Facility:</b> <b>MHSW Facility:</b> <b>SIC Code:</b> <b>SIC Description:</b>	237990			<b>Co Admin:</b> <b>Phone No. Admin:</b>  OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION	
<b>--Details--</b>					
<b>Waste Code:</b> <b>Waste Description:</b>		251		OIL SKIMMINGS & SLUDGES	
<b>Waste Code:</b> <b>Waste Description:</b>		252		WASTE OILS & LUBRICANTS	
<hr/>					
<u>8</u>	2 of 3	W/64.1	237.2	<b>McNally Construction Inc</b> <b>10056 Mississauga Road</b> <b>Brampton ON L7A0B8</b>	<b>GEN</b>
<b>Generator No.:</b> <b>Status:</b> <b>Approval Years:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b> <b>SIC Code:</b> <b>SIC Description:</b>	ON6899467  2015 No No 237990			<b>PO Box No.:</b> <b>Country:</b> <b>Choice of Contact:</b> <b>Co Admin:</b> <b>Phone No. Admin:</b>  Canada CO_OFFICIAL Scott Miller 905-549-6561 Ext.157	
<b>SIC Description:</b> OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION					
<b>--Details--</b>					
<b>Waste Code:</b> <b>Waste Description:</b>		252		WASTE OILS & LUBRICANTS	
<b>Waste Code:</b> <b>Waste Description:</b>		251		OIL SKIMMINGS & SLUDGES	
<hr/>					
<u>8</u>	3 of 3	W/64.1	237.2	<b>McNally Construction Inc</b> <b>10056 Mississauga Road</b> <b>Brampton ON L7A0B8</b>	<b>GEN</b>
<b>Generator No.:</b> <b>Status:</b> <b>Approval Years:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b> <b>SIC Code:</b> <b>SIC Description:</b>	ON6899467  2014 No No 237990			<b>PO Box No.:</b> <b>Country:</b> <b>Choice of Contact:</b> <b>Co Admin:</b> <b>Phone No. Admin:</b>  Canada CO_OFFICIAL Scott Miller 905-549-6561 Ext.157	
<b>SIC Description:</b> OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION					
<b>--Details--</b>					
<b>Waste Code:</b> <b>Waste Description:</b>		252		WASTE OILS & LUBRICANTS	
<b>Waste Code:</b> <b>Waste Description:</b>		251		OIL SKIMMINGS & SLUDGES	
<hr/>					
<u>9</u>	1 of 1	NE/70.3	243.9	<b>lot 11 con 4</b> <b>BRAMPTON ON</b>	<b>WWIS</b>
<b>Well ID:</b> <b>Construction Date:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b>	4909872  Domestic Water Supply			<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> <b>Selected Flag:</b> <b>Abandonment Rec:</b>  8/26/2005 1	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Water Type:</b>				<b>Contractor:</b>	7075
<b>Casing Material:</b>				<b>Form Version:</b>	3
<b>Audit No:</b>	Z32427			<b>Owner:</b>	
<b>Tag:</b>	A027129			<b>Street Name:</b>	1600 BOVAIRD DR WEST
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY (CHINGUACOUSY)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	011
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

#### Bore Hole Information

<b>Bore Hole ID:</b>	11323605	<b>Spatial Status:</b>	
<b>DP2BR:</b>	6	<b>Cluster Kind:</b>	
<b>Code OB:</b>	h	<b>UTMRC:</b>	4
<b>Code OB Desc:</b>	Mixed in a Layer	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Open Hole:</b>		<b>Location Method:</b>	wwr
<b>Elevation:</b>	245.436828	<b>Org CS:</b>	UTM83
<b>Elevrc:</b>		<b>Date Completed:</b>	7/28/2005
<b>Remarks:</b>			
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock

##### Materials Interval

<b>Formation ID:</b>	933021641
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	
<b>Other Materials:</b>	
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	0.00
<b>Formation End Depth:</b>	6.00
<b>Formation End Depth UOM:</b>	ft
<b>Formation ID:</b>	933021642
<b>Layer:</b>	2
<b>Color:</b>	7
<b>General Color:</b>	RED
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	17
<b>Other Materials:</b>	SHALE
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	6.00
<b>Formation End Depth:</b>	21.00
<b>Formation End Depth UOM:</b>	ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		933021643			
<b>Layer:</b>		3			
<b>Color:</b>		7			
<b>General Color:</b>		RED			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		21.00			
<b>Formation End Depth:</b>		36.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933275873			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.00			
<b>Plug To:</b>		21.00			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964909872			
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11338460			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930866657			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>		-32.00			
<b>Depth To:</b>		23.00			
<b>Casing Diameter:</b>		6.62			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b>Casing ID:</b>		930866658			
<b>Layer:</b>		2			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>		21.00			
<b>Depth To:</b>		23.00			
<b>Casing Diameter:</b>		5.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Screen ID:</b>		933414356			
<b>Layer:</b>		1			
<b>Slot:</b>		12			
<b>Screen Top Depth:</b>		23.00			
<b>Screen End Depth:</b>		36.00			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		5.00			
<b>Screen ID:</b>		933414355			
<b>Layer:</b>		2			
<b>Slot:</b>		16			
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>					
<b>Screen ID:</b>		933414354			
<b>Layer:</b>		3			
<b>Slot:</b>		20			
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		11350603			
<b>Pump Set At:</b>		32.00			
<b>Static Level:</b>		16.60			
<b>Final Level After Pumping:</b>		35.00			
<b>Recommended Pump Depth:</b>		28.00			
<b>Pumping Rate:</b>		2.50			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		2.50			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>					
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11439688			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		20.50			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439692			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		29.00			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439695			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		2			
<b>Test Level:</b>		21.30			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439691			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		2			
<b>Test Level:</b>		27.40			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439690			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		22.10			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439689			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		25.50			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439693			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		4			
<b>Test Level:</b>		22.90			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439700			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		4			
<b>Test Level:</b>		24.20			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439698			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		23.30			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439708			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		23.50			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439694			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		19.90			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439707			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		26.60			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439705			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		17.90			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439706			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		28.80			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439703			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		16.90			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439704			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		29.10			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439702			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		25			
<b>Test Level:</b>		29.90			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439701			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		25			
<b>Test Level:</b>		16.60			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439696			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		30.50			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439699			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		32.30			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439709			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		50			
<b>Test Level:</b>		33.90			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		11439697			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		35.00			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		934063945			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		36.00			
<b>Water Found Depth UOM:</b>		ft			

**Hole Diameter**

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Hole ID:		11543480			
Diameter:		8.75			
Depth From:		0.00			
Depth To:		36.00			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

<a href="#">10</a>	1 of 1	E/79.0	241.9	Ashby Field Road And Bovaird Drive Brampton ON	EHS
Postal Code:					
City:					
Address2:					
Address1:					
Provstate:					
Order No.:		20130215018			
Addit. Info Ordered::					
Report Date:		26-FEB-13			
Report Type:		Custom Report			
Search Radius (km):		1			

<a href="#">11</a>	1 of 1	NE/92.0	237.6	Brampton ON	WWIS
Well ID:	7106425				
Construction Date:					
Primary Water Use:	Monitoring				
Sec. Water Use:					
Final Well Status:	Observation Wells				
Water Type:					
Casing Material:					
Audit No:	Z80070				
Tag:	A066779				
Construction Method:					
Elevation (m):					
Elevation Reliability:					
Depth to Bedrock:					
Well Depth:					
Overburden/Bedrock:					
Pump Rate:					
Static Water Level:					
Flowing (Y/N):					
Flow Rate:					
Clear/Cloudy:					
Data Entry Status:					
Data Src:					
Date Received:	6/16/2008				
Selected Flag:	1				
Abandonment Rec:					
Contractor:	6809				
Form Version:	7				
Owner:					
Street Name:	MISSISSAUGA ROAD & HWY. # 7 A1-3)				
County:	PEEL				
Municipality:	BRAMPTON CITY				
Site Info:					
Lot:					
Concession:					
Concession Name:					
Easting NAD83:					
Northing NAD83:					
Zone:					
UTM Reliability:					

#### Bore Hole Information

Bore Hole ID:	1001614892				
DP2BR:					
Code OB:					
Code OB Desc:					
Open Hole:					
Elevation:	238.988067				
Elevrc:					
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Spatial Status:					
Cluster Kind:					
UTMRC:	3				
UTMRC Desc:	margin of error : 10 - 30 m				
Location Method:	wwr				
Org CS:	UTM83				
Date Completed:	5/28/2008				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1001800921			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0.00			
<b>Formation End Depth:</b>		1.50			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		1001800922			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		05			
<b>Other Materials:</b>		CLAY			
<b>Mat3:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Formation Top Depth:</b>		1.50			
<b>Formation End Depth:</b>		5.00			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		1001800923			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Mat3:</b>		91			
<b>Other Materials:</b>		WATER-BEARING			
<b>Formation Top Depth:</b>		5.00			
<b>Formation End Depth:</b>		7.00			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		1001800924			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		7.00			
<b>Formation End Depth:</b>		15.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1001800926			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.00			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<i>Plug To:</i>		8.00			
<i>Plug Depth UOM:</i>		ft			
<i>Plug ID:</i>		1001800927			
<i>Layer:</i>		2			
<i>Plug From:</i>		8.00			
<i>Plug To:</i>		15.00			
<i>Plug Depth UOM:</i>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<i>Method Construction ID:</i>		1001800932			
<i>Method Construction Code:</i>		E			
<i>Method Construction:</i>		Auger			
<i>Other Method Construction:</i>					
<b><u>Pipe Information</u></b>					
<i>Pipe ID:</i>		1001800920			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<b><u>Construction Record - Casing</u></b>					
<i>Casing ID:</i>		1001800929			
<i>Layer:</i>		1			
<i>Material:</i>		5			
<i>Open Hole or Material:</i>		PLASTIC			
<i>Depth From:</i>		0.00			
<i>Depth To:</i>		10.00			
<i>Casing Diameter:</i>		2.00			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<b><u>Construction Record - Screen</u></b>					
<i>Screen ID:</i>		1001800930			
<i>Layer:</i>					
<i>Slot:</i>					
<i>Screen Top Depth:</i>					
<i>Screen End Depth:</i>					
<i>Screen Material:</i>					
<i>Screen Depth UOM:</i>					
<i>Screen Diameter UOM:</i>					
<i>Screen Diameter:</i>					
<b><u>Water Details</u></b>					
<i>Water ID:</i>		1001800928			
<i>Layer:</i>					
<i>Kind Code:</i>					
<i>Kind:</i>					
<i>Water Found Depth:</i>					
<i>Water Found Depth UOM:</i>		ft			
<b><u>Hole Diameter</u></b>					
<i>Hole ID:</i>		1001800925			
<i>Diameter:</i>		8.25			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Depth From:		0.00			
Depth To:		15.00			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

<a href="#">12</a>	1 of 1	NW/92.9	241.8	Brampton ON	WWIS
<b>Well ID:</b>	7052306			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring			<b>Date Received:</b>	11/15/2007
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Observation Wells			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	6809
<b>Casing Material:</b>				<b>Form Version:</b>	4
<b>Audit No:</b>	Z69287			<b>Owner:</b>	
<b>Tag:</b>	A062228			<b>Street Name:</b>	MISSISSAUGA ROAD
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

#### Bore Hole Information

<b>Bore Hole ID:</b>	23052306			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	
<b>Code OB:</b>				<b>UTMRC:</b>	3
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>				<b>Location Method:</b>	wwr
<b>Elevation:</b>	241.733886			<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	10/29/2007
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

#### Overburden and Bedrock

##### Materials Interval

<b>Formation ID:</b>	1000057246
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	06
<b>Most Common Material:</b>	SILT
<b>Mat2:</b>	34
<b>Other Materials:</b>	TILL
<b>Mat3:</b>	73
<b>Other Materials:</b>	HARD
<b>Formation Top Depth:</b>	0.00
<b>Formation End Depth:</b>	7.00
<b>Formation End Depth UOM:</b>	ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		1000057247			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		84			
<b>Other Materials:</b>		SILTY			
<b>Mat3:</b>		85			
<b>Other Materials:</b>		SOFT			
<b>Formation Top Depth:</b>		7.00			
<b>Formation End Depth:</b>		15.00			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		1000057248			
<b>Layer:</b>		3			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>		91			
<b>Other Materials:</b>		WATER-BEARING			
<b>Formation Top Depth:</b>		15.00			
<b>Formation End Depth:</b>		17.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1000057250			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.00			
<b>Plug To:</b>		10.00			
<b>Plug Depth UOM:</b>		ft			
<b>Plug ID:</b>		1000057251			
<b>Layer:</b>		2			
<b>Plug From:</b>		10.00			
<b>Plug To:</b>		17.00			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1000057256			
<b>Method Construction Code:</b>		6			
<b>Method Construction:</b>		Boring			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1000057244			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1000057253			
<b>Layer:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Material:</b>					
<b>Open Hole or Material:</b>		5			
<b>Depth From:</b>		PLASTIC			
<b>Depth To:</b>		12.00			
<b>Casing Diameter:</b>		2.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1000057254			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>					
<b>Screen Diameter UOM:</b>					
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		1000057245			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		0			
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>		0			
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1000057252			
<b>Layer:</b>		1			
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		ft			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1000057249			
<b>Diameter:</b>		8.25			
<b>Depth From:</b>					
<b>Depth To:</b>		17.00			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			

[13](#)

1 of 1

ENE/94.6

242.9

lot 10 con 4  
Brampton ON

WWIS

**Well ID:** 7234379  
**Construction Date:**

**Data Entry Status:**  
**Data Src:**

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Primary Water Use:</b>				<b>Date Received:</b>	12/24/2014
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Abandoned-Other			<b>Abandonment Rec:</b>	Yes
<b>Water Type:</b>				<b>Contractor:</b>	2663
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z202503			<b>Owner:</b>	
<b>Tag:</b>	A021729			<b>Street Name:</b>	1600 BORAIRO DR WEST
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY (CHINGUACOUSY)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	010
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	HS W
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

#### Bore Hole Information

<b>Bore Hole ID:</b>	1005265627			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	
<b>Code OB:</b>				<b>UTMRC:</b>	4
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Open Hole:</b>				<b>Location Method:</b>	wwr
<b>Elevation:</b>	245.363388			<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	12/15/2014
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

#### Annular Space/Abandonment Sealing Record

<b>Plug ID:</b>	1005468383
<b>Layer:</b>	1
<b>Plug From:</b>	36.00
<b>Plug To:</b>	23.00
<b>Plug Depth UOM:</b>	ft
<b>Plug ID:</b>	1005468384
<b>Layer:</b>	2
<b>Plug From:</b>	23.00
<b>Plug To:</b>	22.00
<b>Plug Depth UOM:</b>	ft
<b>Plug ID:</b>	1005468385
<b>Layer:</b>	3
<b>Plug From:</b>	22.00
<b>Plug To:</b>	6.60
<b>Plug Depth UOM:</b>	ft
<b>Plug ID:</b>	1005468386
<b>Layer:</b>	4
<b>Plug From:</b>	6.60
<b>Plug To:</b>	5.00
<b>Plug Depth UOM:</b>	ft
<b>Plug ID:</b>	1005468387

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		5			
<b>Plug From:</b>		5.00			
<b>Plug To:</b>		0.00			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1005468382			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1005468376			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1005468380			
<b>Layer:</b>					
<b>Material:</b>					
<b>Open Hole or Material:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1005468381			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1005468379			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		ft			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1005468378			
<b>Diameter:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<a href="#">14</a>	1 of 1	W/100.4	239.2	10124 MISSISSAUGA RD BRAMPTON ON L7A 0B8	EHS
<b>Postal Code:</b> <b>City:</b> <b>Address2:</b> <b>Address1:</b> <b>Provstate:</b> <b>Order No.:</b> 20070531020 <b>Addit. Info Ordered::</b> <b>Report Date:</b> 6/8/2007 <b>Report Type:</b> CAN - Basic Report <b>Search Radius (km):</b> 0.25					
<a href="#">15</a>	1 of 3	ENE/104.3	242.0	Greater Toronto Transit Authority 1600 Bovaird Drive West Brampton ON	CA
<b>Certificate #:</b> 2263-6CSL8F <b>Application Year:</b> 2005 <b>Issue Date:</b> 6/17/2005 <b>Approval Type:</b> Air <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name::</b> <b>Client Address::</b> <b>Client City::</b> <b>Client Postal Code::</b> <b>Project Description::</b> <b>Contaminants::</b> <b>Emission Control::</b>					
<a href="#">15</a>	2 of 3	ENE/104.3	242.0	Greater Toronto Transit Authority 1600 Bovaird Drive West Brampton ON M5J 2W3	ECA
<b>Approval No:</b> 2263-6CSL8F <b>Status:</b> Approved <b>Date:</b> 2005-06-17 <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>Project Type:</b> Air <b>Approval Type:</b> ECA-Air <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/4046-6BGV2P-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/4046-6BGV2P-14.pdf</a>					
<a href="#">15</a>	3 of 3	ENE/104.3	242.0	Brampton Transit<UNOFFICIAL> Mount Pleasant GO Station 1600 Bovaird Road West, Brampton Brampton ON	SPL
<b>Ref No:</b> 8328-A8RURV <b>Contaminant Name:</b> MOTOR OIL <b>Contaminant Code:</b> 15 <b>Contaminant Limit 1:</b> <b>Contam. Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Contaminant Qty:</b> 0 other - see incident description <b>Site Address:</b> Mount Pleasant GO Station 1600 Bovaird Road West, Brampton <b>Site Conc:</b> <b>Site Lot:</b> <b>Site County/District:</b> <b>Site Municipality:</b> Brampton <b>Site Postal Code:</b> <b>Sector Type:</b> Miscellaneous Communal					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>MOE Reported Dt:</b> 2016/04/06 <b>Health/Env Conseq:</b> <b>Incident Dt:</b> 2016/04/06 <b>Incident Cause:</b> <b>Incident Event:</b> Fire/Explosion <b>Incident Reason:</b> Equipment Failure <b>Incident Summary:</b> Brampton Transit Bus Fire <b>Source Type:</b> <b>Receiving Medium:</b> <b>Receiving Env:</b> Surface Water <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>SAC Action Class:</b> Watercourse Spills					
<a href="#">16</a>	1 of 1	ENE/105.5	242.9	<b>Mattamy (Credit River) Limited</b> 1722 BOVAIRD DR W, BRAMPTON, ON, L7A 0H8 BRAMPTON ON L7A 0H8	RSC
<b>Reg No:</b> 33909 <b>RA No:</b> <b>RSC Type:</b> <b>Curr Property Use:</b> Agriculture/Other <b>District Office:</b> BRAMPTON <b>Date Submitted:</b> 25-Feb-09 <b>Date Ack:</b> <b>Date Returned:</b> <b>Restoration Type:</b> <b>Soil Type:</b> <b>Criteria:</b> <b>Asmt Roll No:</b> 10-06-0-003-07100-0000; 10-06-0-003-07010-0000; 10-08-0-013-06700-0000 <b>Prop. ID No:</b> 14254 - 0130 LT; 14254 - 0131 LT; 14364 - 0043 LT <b>CPU Issued Sect 1686:</b> No <b>Property Municipal Address:</b> 1722 BOVAIRD DR W, BRAMPTON, ON, L7A 0H8 <b>Mailing Address:</b> Suite 200, 2360 BRISTOL CIR, OAKVILLE, ON, L6H 6M5 <b>Latitude &amp; Longitude:</b> 43.67194440N 79.82777780W <b>UTM Coordinates:</b> NAD83 17-594498-4836105 (converted from Latitude & Longitude) <b>Consultant:</b> <b>Filing Owner:</b> <b>Legal Desc:</b> PT LT 11 CON 4 WHS CHINGUACOUSY SW OF CANADIAN NATIONAL RAILWAY AS IN PORTION B IN CH28669, CH22005, CH19421, CH19167, EXCEPT CH26934, CH26935, CH24802 AS AMENDED BY CH26754, VS64429, PTS 1 TO 16, 43R4976, PT1, 43R5746, DP241 EXCEPT CH19421; BRAMPTON. PT LT 11 CON 4 WHS CHINGUACOUSY PT 1, 43R5746; BRAMPTON. PART OF LOTS 10 AND 11, CONCESSION 4, PART OF THE ROAD ALLOWANCE BETWEEN LOTS 10 AND 11, CONCESSION 4, WHS, CHINGUACOUSY, DESIGNATED AS PARTS 3, 4 AND 5 ON PLAN 43R-29257, CITY OF BRAMPTON, REGIONAL MUNICIPALITY OF PEEL. <b>Measurement Method:</b> Global Positioning System <b>Applicable Standards:</b> ESA Phase 1 <b>RSC PDF:</b>					
<a href="#">17</a>	1 of 1	ENE/109.5	242.9	lot 11 con 4 ON	WWIS
<b>Well ID:</b> 4905387 <b>Construction Date:</b> <b>Primary Water Use:</b> Domestic <b>Sec. Water Use:</b> 0 <b>Final Well Status:</b> Water Supply <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 9/16/1978 <b>Selected Flag:</b> 1 <b>Abandonment Rec:</b> <b>Contractor:</b> 3637 <b>Form Version:</b> 1 <b>Owner:</b> <b>Street Name:</b> <b>County:</b> PEEL <b>Municipality:</b> BRAMPTON CITY (CHINGUACOUSY) <b>Site Info:</b> <b>Lot:</b> 011 <b>Concession:</b> 04 <b>Concession Name:</b> HS W <b>Easting NAD83:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10320132			<b>Spatial Status:</b>	
<b>DP2BR:</b>	4			<b>Cluster Kind:</b>	
<b>Code OB:</b>	r			<b>UTMRC:</b>	4
<b>Code OB Desc:</b>	Bedrock			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Open Hole:</b>				<b>Location Method:</b>	p4
<b>Elevation:</b>	244.716384			<b>Org CS:</b>	
<b>Elevrc:</b>				<b>Date Completed:</b>	3/3/1978
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	932049809				
<b>Layer:</b>	1				
<b>Color:</b>	6				
<b>General Color:</b>	BROWN				
<b>Mat1:</b>	02				
<b>Most Common Material:</b>	TOPSOIL				
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	0.00				
<b>Formation End Depth:</b>	1.00				
<b>Formation End Depth UOM:</b>	ft				
<b>Formation ID:</b>	932049810				
<b>Layer:</b>	2				
<b>Color:</b>	6				
<b>General Color:</b>	BROWN				
<b>Mat1:</b>	05				
<b>Most Common Material:</b>	CLAY				
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	1.00				
<b>Formation End Depth:</b>	4.00				
<b>Formation End Depth UOM:</b>	ft				
<b>Formation ID:</b>	932049811				
<b>Layer:</b>	3				
<b>Color:</b>	7				
<b>General Color:</b>	RED				
<b>Mat1:</b>	17				
<b>Most Common Material:</b>	SHALE				
<b>Mat2:</b>	73				
<b>Other Materials:</b>	HARD				
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	4.00				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth:</b>		20.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964905387			
<b>Method Construction Code:</b>		6			
<b>Method Construction:</b>		Boring			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10868702			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930528246			
<b>Layer:</b>		1			
<b>Material:</b>		3			
<b>Open Hole or Material:</b>		CONCRETE			
<b>Depth From:</b>					
<b>Depth To:</b>		15.00			
<b>Casing Diameter:</b>		30.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b>Casing ID:</b>		930528247			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		20.00			
<b>Casing Diameter:</b>		24.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		994905387			
<b>Pump Set At:</b>					
<b>Static Level:</b>		7.00			
<b>Final Level After Pumping:</b>		18.00			
<b>Recommended Pump Depth:</b>		18.00			
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		4.00			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		3			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934261296			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		15.00			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		934526629			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		13.00			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		934780740			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		11.00			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		935046131			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		9.00			
<b>Test Level UOM:</b>		ft			
<b>Water Details</b>					
<b>Water ID:</b>		933793417			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		12.00			
<b>Water Found Depth UOM:</b>		ft			
<b>Water ID:</b>		933793418			
<b>Layer:</b>		2			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		16.00			
<b>Water Found Depth UOM:</b>		ft			

[18](#)

1 of 1

ESE/110.8

239.9

MOUNT PLEASANT ON

WWIS

<b>Well ID:</b>	7199090	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	
<b>Primary Water Use:</b>		<b>Date Received:</b>	3/21/2013
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Abandoned-Other	<b>Abandonment Rec:</b>	Yes
<b>Water Type:</b>		<b>Contractor:</b>	3349
<b>Casing Material:</b>		<b>Form Version:</b>	7
<b>Audit No:</b>	Z158085	<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	1723 BOVAIRD
<b>Construction Method:</b>		<b>County:</b>	PEEL
<b>Elevation (m):</b>		<b>Municipality:</b>	BRAMPTON CITY (CHINGUACOUSY)
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	
<b>Well Depth:</b>		<b>Concession:</b>	
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1004266453			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	
<b>Code OB:</b>				<b>UTMRC:</b>	4
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Open Hole:</b>				<b>Location Method:</b>	wwr
<b>Elevation:</b>	239.653411			<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	2/19/2013
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1004926898				
<b>Layer:</b>	1				
<b>Plug From:</b>					
<b>Plug To:</b>	2.50				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	1004926899				
<b>Layer:</b>	2				
<b>Plug From:</b>					
<b>Plug To:</b>	3.50				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	1004926900				
<b>Layer:</b>	3				
<b>Plug From:</b>					
<b>Plug To:</b>	4.90				
<b>Plug Depth UOM:</b>	m				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	1004926897				
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	1004926890				
<b>Casing No:</b>	0				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	1004926895				
<b>Layer:</b>	1				
<b>Material:</b>					
<b>Open Hole or Material:</b>					
<b>Depth From:</b>	0.00				
<b>Depth To:</b>	4.90				
<b>Casing Diameter:</b>	152.00				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004926896			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		1004926891			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		m			
<b>Rate UOM:</b>		LPM			
<b>Water State After Test Code:</b>		0			
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>		0			
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>		N			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1004926894			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1004926893			
<b>Diameter:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

[19](#)

1 of 1

ENE/115.1

243.3

ON

WWIS

<b>Well ID:</b>	7220285	<b>Data Entry Status:</b>	Date Entry is incomplete
<b>Construction Date:</b>		<b>Data Src:</b>	
<b>Primary Water Use:</b>		<b>Date Received:</b>	5/14/2014
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	1
<b>Final Well Status:</b>		<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	6032
<b>Casing Material:</b>		<b>Form Version:</b>	8

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>	C20058 A102023			<b>Owner:</b> <b>Street Name:</b> <b>County:</b> PEEL <b>Municipality:</b> BRAMPTON CITY (CHINGUACOUSY) <b>Site Info:</b> <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> <b>DP2BR:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Elevation:</b> <b>Elevrc:</b> <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>	1004753997    244.993698			<b>Spatial Status:</b> <b>Cluster Kind:</b> <b>UTMRC:</b> 4 <b>UTMRC Desc:</b> margin of error : 30 m - 100 m <b>Location Method:</b> wwr <b>Org CS:</b> UTM83 <b>Date Completed:</b> 12/10/2013	
<a href="#">20</a>	1 of 4	NE/140.7	243.9	<b>Mattamy (Credit River) Limited and Ashwid Developments Inc.</b>  <b>Brampton ON L6H 6M5</b>	ECA
<b>Approval No:</b> <b>Status:</b> <b>Date:</b> <b>Record Type:</b> <b>Link Source:</b> <b>Project Type:</b> <b>Approval Type:</b> <b>Full Address:</b> <b>Full PDF Link:</b>	4703-8TFHPZ Revoked and/or Replaced 2012-04-23 ECA IDS Municipal and Private Sewage Works ECA-Municipal and Private Sewage Works https://www.accessenvironment.ene.gov.on.ca/instruments/3220-8S7S2C-14.pdf			<b>SWP Area Name:</b> Credit Valley <b>MOE District:</b> Halton-Peel <b>City:</b> <b>Latitude:</b> 43.6738 <b>Longitude:</b> -79.8271	
<a href="#">20</a>	2 of 4	NE/140.7	243.9	<b>Mattamy (Credit River) Limited</b>  <b>Brampton ON L6H 6M5</b>	ECA
<b>Approval No:</b> <b>Status:</b> <b>Date:</b> <b>Record Type:</b> <b>Link Source:</b> <b>Project Type:</b> <b>Approval Type:</b> <b>Full Address:</b> <b>Full PDF Link:</b>	4505-8U3JE7 Approved 2012-05-08 ECA IDS Municipal and Private Sewage Works ECA-Municipal and Private Sewage Works https://www.accessenvironment.ene.gov.on.ca/instruments/2674-8TXKB2-14.pdf			<b>SWP Area Name:</b> Credit Valley <b>MOE District:</b> Halton-Peel <b>City:</b> <b>Latitude:</b> 43.6738 <b>Longitude:</b> -79.8271	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<a href="#">20</a>	3 of 4	NE/140.7	243.9	Mattamy (Credit River) Limited and Ashwid Developments Inc.  Brampton ON L6H 6M5	ECA
<b>Approval No:</b>	5626-8ZCPJT			<b>SWP Area Name:</b> Credit Valley	
<b>Status:</b>	Approved			<b>MOE District:</b> Halton-Peel	
<b>Date:</b>	2012-10-25			<b>City:</b>	
<b>Record Type:</b>	ECA			<b>Latitude:</b> 43.6738	
<b>Link Source:</b>	IDS			<b>Longitude:</b> -79.8271	
<b>Project Type:</b>	Municipal and Private Sewage Works				
<b>Approval Type:</b>	ECA-Municipal and Private Sewage Works				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/9001-8YKN6Z-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/9001-8YKN6Z-14.pdf</a>				
<a href="#">20</a>	4 of 4	NE/140.7	243.9	Mattamy (Credit River) Limited West of Hurontario Street Brampton ON L6H 6M5	ECA
<b>Approval No:</b>	8799-97PRP6			<b>SWP Area Name:</b> Credit Valley	
<b>Status:</b>	Approved			<b>MOE District:</b> Halton-Peel	
<b>Date:</b>	2013-05-21			<b>City:</b>	
<b>Record Type:</b>	ECA			<b>Latitude:</b> 43.6738	
<b>Link Source:</b>	IDS			<b>Longitude:</b> -79.8271	
<b>Project Type:</b>	Municipal and Private Sewage Works				
<b>Approval Type:</b>	ECA-Municipal and Private Sewage Works				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/0858-968Q99-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/0858-968Q99-14.pdf</a>				
<a href="#">21</a>	1 of 2	NE/141.4	243.9	lot 11 con 4 ON	WWIS
<b>Well ID:</b>	4908277			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b> 1	
<b>Primary Water Use:</b>	Not Used			<b>Date Received:</b> 1/5/1998	
<b>Sec. Water Use:</b>				<b>Selected Flag:</b> 1	
<b>Final Well Status:</b>	Abandoned-Other			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b> 3317	
<b>Casing Material:</b>				<b>Form Version:</b> 1	
<b>Audit No:</b>	181314			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b> PEEL	
<b>Elevation (m):</b>				<b>Municipality:</b> BRAMPTON CITY (CHINGUACOUSY)	
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b> 011	
<b>Well Depth:</b>				<b>Concession:</b> 04	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b> HS W	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10322813			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	
<b>Code OB:</b>	—			<b>UTMRC:</b> 9	
<b>Code OB Desc:</b>	No formation data			<b>UTMRC Desc:</b> unknown UTM	
<b>Open Hole:</b>				<b>Location Method:</b> lot	
<b>Elevation:</b>	244.999877			<b>Org CS:</b>	
<b>Elevrc:</b>				<b>Date Completed:</b> 6/19/1997	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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Remarks:  
 Elevrc Desc:  
 Location Source Date:  
 Improvement Location Source:  
 Improvement Location Method:  
 Source Revision Comment:  
 Supplier Comment:

Annular Space/Abandonment  
 Sealing Record

Plug ID: 933170944  
 Layer: 1  
 Plug From: 5.00  
 Plug To: 60.00  
 Plug Depth UOM: ft

Method of Construction & Well  
 Use

Method Construction ID: 964908277  
 Method Construction Code: 0  
 Method Construction: Not Known  
 Other Method Construction:

Pipe Information

Pipe ID: 10871383  
 Casing No: 1  
 Comment:  
 Alt Name:

<a href="#">21</a>	2 of 2	NE/141.4	243.9	lot 11 con 4 ON	WWIS
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Well ID: 4908278	Data Entry Status:
Construction Date:	Data Src: 1
Primary Water Use: Domestic	Date Received: 1/5/1998
Sec. Water Use: Livestock	Selected Flag: 1
Final Well Status: Water Supply	Abandonment Rec:
Water Type:	Contractor: 3317
Casing Material:	Form Version: 1
Audit No: 181315	Owner:
Tag:	Street Name:
Construction Method:	County: PEEL
Elevation (m):	Municipality: BRAMPTON CITY (CHINGUACOUSY)
Elevation Reliability:	Site Info:
Depth to Bedrock:	Lot: 011
Well Depth:	Concession: 04
Overburden/Bedrock:	Concession Name: HS W
Pump Rate:	Easting NAD83:
Static Water Level:	Northing NAD83:
Flowing (Y/N):	Zone:
Flow Rate:	UTM Reliability:
Clear/Cloudy:	

Bore Hole Information

Bore Hole ID: 10322814	Spatial Status:
DP2BR: 4	Cluster Kind:
Code OB: r	UTMRC: 9
Code OB Desc: Bedrock	UTMRC Desc: unknown UTM

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Open Hole:</b>				<b>Location Method:</b>	lot
<b>Elevation:</b>	244.999877			<b>Org CS:</b>	
<b>Elevrc:</b>				<b>Date Completed:</b>	6/20/1997
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932062623			
<b>Layer:</b>		1			
<b>Color:</b>		7			
<b>General Color:</b>		RED			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0.00			
<b>Formation End Depth:</b>		4.00			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932062624			
<b>Layer:</b>		2			
<b>Color:</b>		7			
<b>General Color:</b>		RED			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>		85			
<b>Other Materials:</b>		SOFT			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		4.00			
<b>Formation End Depth:</b>		8.00			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932062625			
<b>Layer:</b>		3			
<b>Color:</b>		7			
<b>General Color:</b>		RED			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>		74			
<b>Other Materials:</b>		LAYERED			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		8.00			
<b>Formation End Depth:</b>		70.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		964908278			
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
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**Pipe Information**

**Pipe ID:** 10871384  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930532347  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 21.00  
**Casing Diameter:** 10.00  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Casing ID:** 930532348  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 70.00  
**Casing Diameter:** 10.00  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 994908278  
**Pump Set At:**  
**Static Level:** 29.00  
**Final Level After Pumping:** 60.00  
**Recommended Pump Depth:** 65.00  
**Pumping Rate:** 1.00  
**Flowing Rate:**  
**Recommended Pump Rate:** 1.00  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 30  
**Flowing:** N

**Draw Down & Recovery**

**Pump Test Detail ID:** 934259253  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 60.00  
**Test Level UOM:** ft

**Pump Test Detail ID:** 934525560  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 60.00  
**Test Level UOM:** ft

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Pump Test Detail ID:</b>		934787429			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		60.00			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		935044610			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		60.00			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933796374			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		50.00			
<b>Water Found Depth UOM:</b>		ft			
<b><u>22</u></b>	1 of 1	<b>ENE/143.9</b>	<b>242.9</b>	<b>1985 Bovaird Dr W Brampton ON</b>	<b>EHS</b>
<b>Postal Code:</b>					
<b>City:</b>					
<b>Address2:</b>					
<b>Address1:</b>					
<b>Provstate:</b>					
<b>Order No.:</b>		20120926009			
<b>Addit. Info Ordered.:</b>		Topographic Maps			
<b>Report Date:</b>		04-OCT-12			
<b>Report Type:</b>		Custom Report			
<b>Search Radius (km):</b>		.25			
<b><u>23</u></b>	1 of 1	<b>SSE/149.6</b>	<b>235.3</b>	<b>BRAMPTON ON</b>	<b>WWIS</b>
<b>Well ID:</b>	7102522			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring			<b>Date Received:</b>	3/7/2008
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Observation Wells			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1129
<b>Casing Material:</b>				<b>Form Version:</b>	4
<b>Audit No:</b>	Z79001			<b>Owner:</b>	
<b>Tag:</b>	A060917			<b>Street Name:</b>	BOVAIRD DR. & MISSISSAUGA RD.
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1001535544			<b>Spatial Status:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	3
Code OB Desc:				UTMRC Desc:	margin of error : 10 - 30 m
Open Hole:				Location Method:	wwr
Elevation:	235.893814			Org CS:	UTM83
Elevrc:				Date Completed:	11/2/2007
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

**Overburden and Bedrock**  
**Materials Interval**

Formation ID: 1001553634  
 Layer: 1  
 Color: 6  
 General Color: BROWN  
 Mat1: 02  
 Most Common Material: TOPSOIL  
 Mat2:  
 Other Materials:  
 Mat3:  
 Other Materials:  
 Formation Top Depth: 0.00  
 Formation End Depth: 0.40  
 Formation End Depth UOM: m

Formation ID: 1001553635  
 Layer: 2  
 Color: 7  
 General Color: RED  
 Mat1: 06  
 Most Common Material: SILT  
 Mat2: 61  
 Other Materials: CLAYEY  
 Mat3:  
 Other Materials:  
 Formation Top Depth: 0.40  
 Formation End Depth: 3.15  
 Formation End Depth UOM: m

Formation ID: 1001553636  
 Layer: 3  
 Color: 7  
 General Color: RED  
 Mat1: 34  
 Most Common Material: TILL  
 Mat2: 08  
 Other Materials: FINE SAND  
 Mat3: 34  
 Other Materials: TILL  
 Formation Top Depth: 3.15  
 Formation End Depth: 4.60  
 Formation End Depth UOM: m

Formation ID: 1001553637  
 Layer: 4  
 Color: 7  
 General Color: RED  
 Mat1:  
 Most Common Material:

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>		92			
<b>Other Materials:</b>		WEATHERED			
<b>Formation Top Depth:</b>		4.60			
<b>Formation End Depth:</b>		5.80			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1001553639			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.00			
<b>Plug To:</b>		0.90			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>		1001553640			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.90			
<b>Plug To:</b>		2.30			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>		1001553641			
<b>Layer:</b>		3			
<b>Plug From:</b>		2.30			
<b>Plug To:</b>		5.80			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		1001553646			
<b>Method Construction Code:</b>		B			
<b>Method Construction:</b>		Other Method			
<b>Other Method Construction:</b>		HSA			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1001553632			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1001553643			
<b>Layer:</b>					
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>					
<b>Depth To:</b>		2.80			
<b>Casing Diameter:</b>		5.00			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1001553644			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
	5				
<b>Screen Depth UOM:</b>					
<b>Screen Diameter UOM:</b>					
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>					
	1001553633				
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>					
	m				
<b>Rate UOM:</b>					
	LPM				
<b>Water State After Test Code:</b>					
	0				
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>					
	0				
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
	N				
<b><u>Water Details</u></b>					
<b>Water ID:</b>					
	1001553642				
<b>Layer:</b>					
	1				
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>					
	m				
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>					
	1001553638				
<b>Diameter:</b>					
	20.00				
<b>Depth From:</b>					
<b>Depth To:</b>					
	5.80				
<b>Hole Depth UOM:</b>					
	m				
<b>Hole Diameter UOM:</b>					
	cm				

<a href="#">24</a>	1 of 1	SSW/152.1	239.8	lot 11 con 5 ON	WWIS
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<b>Well ID:</b>	4905363	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	6/16/1978
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	4919
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	PEEL
<b>Elevation (m):</b>		<b>Municipality:</b>	BRAMPTON CITY (CHINGUACOUSY)
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	011
<b>Well Depth:</b>		<b>Concession:</b>	05
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	HS W
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10320110			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	
<b>Code OB:</b>	o			<b>UTMRC:</b>	4
<b>Code OB Desc:</b>	Overburden			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Open Hole:</b>				<b>Location Method:</b>	p4
<b>Elevation:</b>	241.051483			<b>Org CS:</b>	
<b>Elevrc:</b>				<b>Date Completed:</b>	6/1/1978
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	932049702				
<b>Layer:</b>	1				
<b>Color:</b>	6				
<b>General Color:</b>	BROWN				
<b>Mat1:</b>	02				
<b>Most Common Material:</b>	TOPSOIL				
<b>Mat2:</b>	73				
<b>Other Materials:</b>	HARD				
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	0.00				
<b>Formation End Depth:</b>	1.00				
<b>Formation End Depth UOM:</b>	ft				
<b>Formation ID:</b>	932049703				
<b>Layer:</b>	2				
<b>Color:</b>	6				
<b>General Color:</b>	BROWN				
<b>Mat1:</b>	05				
<b>Most Common Material:</b>	CLAY				
<b>Mat2:</b>	73				
<b>Other Materials:</b>	HARD				
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	1.00				
<b>Formation End Depth:</b>	10.00				
<b>Formation End Depth UOM:</b>	ft				
<b>Formation ID:</b>	932049704				
<b>Layer:</b>	3				
<b>Color:</b>	6				
<b>General Color:</b>	BROWN				
<b>Mat1:</b>	11				
<b>Most Common Material:</b>	GRAVEL				
<b>Mat2:</b>	28				
<b>Other Materials:</b>	SAND				
<b>Mat3:</b>	12				
<b>Other Materials:</b>	STONES				
<b>Formation Top Depth:</b>	10.00				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth:</b>		29.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964905363			
<b>Method Construction Code:</b>		6			
<b>Method Construction:</b>		Boring			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10868680			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930528212			
<b>Layer:</b>		1			
<b>Material:</b>		3			
<b>Open Hole or Material:</b>		CONCRETE			
<b>Depth From:</b>					
<b>Depth To:</b>		13.00			
<b>Casing Diameter:</b>		30.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		994905363			
<b>Pump Set At:</b>					
<b>Static Level:</b>		12.00			
<b>Final Level After Pumping:</b>		23.00			
<b>Recommended Pump Depth:</b>		22.00			
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		2.00			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		2			
<b>Water State After Test:</b>		CLOUDY			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		0			
<b>Pumping Duration MIN:</b>		30			
<b>Flowing:</b>		N			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934260866			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		23.00			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		934526616			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		22.00			
<b>Test Level UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Pump Test Detail ID:</b>		934780728			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		21.00			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		935046118			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		20.00			
<b>Test Level UOM:</b>		ft			
<b>Water Details</b>					
<b>Water ID:</b>		933793395			
<b>Layer:</b>		1			
<b>Kind Code:</b>		5			
<b>Kind:</b>		Not stated			
<b>Water Found Depth:</b>		12.00			
<b>Water Found Depth UOM:</b>		ft			
<a href="#">25</a>	1 of 1	NE/175.0	244.8	NORVAL  ON	MNR
<b>MDI Num:</b>		MDI30M12NW00018		<b>Geological District:</b>	SOUTHWESTERN ONTARIO
<b>OGF ID:</b>		205258738		<b>Easting:</b>	594814.051
<b>Mining Division:</b>				<b>Northing:</b>	4836508.306
<b>Zone:</b>		17		<b>Claim Map:</b>	N/A
<b>Access Description:</b>		N/A			
<b>Deposit Status:</b>		DISCRETIONARY OCCURRENCE			
<b>--Details--</b>					
<b>Year:</b>		1990		<b>Twp/Area:</b>	CHINGUACOUSY
<b>Deposit Charactr:</b>				<b>Con/Lot/Sec:</b>	LOT: 4 Con: 10
<b>Commodity:</b>		SHALE (STRUCTURAL MATERIALS)			
<a href="#">26</a>	1 of 2	WNW/176.1	241.6	MISSISSAUGA ON	WWIS
<b>Well ID:</b>		7198903		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>		Monitoring and Test Hole		<b>Date Received:</b>	3/20/2013
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	1
<b>Final Well Status:</b>		Monitoring and Test Hole		<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	7241
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>		Z167749		<b>Owner:</b>	
<b>Tag:</b>		A145241		<b>Street Name:</b>	10201 MISSISSAUGA RD.
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY (CHINGUACOUSY)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	WKQ-005772 A0-A02
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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**Bore Hole Information**

<b>Bore Hole ID:</b>	1004265366	<b>Spatial Status:</b>	
<b>DP2BR:</b>		<b>Cluster Kind:</b>	
<b>Code OB:</b>		<b>UTMRC:</b>	4
<b>Code OB Desc:</b>		<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Open Hole:</b>		<b>Location Method:</b>	wwr
<b>Elevation:</b>	242.034027	<b>Org CS:</b>	UTM83
<b>Elevrc:</b>		<b>Date Completed:</b>	3/4/2013
<b>Remarks:</b>			
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1004915169
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	06
<b>Most Common Material:</b>	SILT
<b>Mat2:</b>	28
<b>Other Materials:</b>	SAND
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	0.00
<b>Formation End Depth:</b>	6.00
<b>Formation End Depth UOM:</b>	ft

<b>Formation ID:</b>	1004915170
<b>Layer:</b>	2
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	06
<b>Most Common Material:</b>	SILT
<b>Mat2:</b>	28
<b>Other Materials:</b>	SAND
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	6.00
<b>Formation End Depth:</b>	18.00
<b>Formation End Depth UOM:</b>	ft

<b>Formation ID:</b>	1004915171
<b>Layer:</b>	3
<b>Color:</b>	7
<b>General Color:</b>	RED
<b>Mat1:</b>	06
<b>Most Common Material:</b>	SILT
<b>Mat2:</b>	12
<b>Other Materials:</b>	STONES
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	18.00
<b>Formation End Depth:</b>	20.00
<b>Formation End Depth UOM:</b>	ft

**Annular Space/Abandonment**

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004915179			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.00			
<b>Plug To:</b>		1.00			
<b>Plug Depth UOM:</b>		ft			
<b>Plug ID:</b>		1004915180			
<b>Layer:</b>		2			
<b>Plug From:</b>		1.00			
<b>Plug To:</b>		9.00			
<b>Plug Depth UOM:</b>		ft			
<b>Plug ID:</b>		1004915181			
<b>Layer:</b>		3			
<b>Plug From:</b>		9.00			
<b>Plug To:</b>		20.00			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1004915178			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004915168			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004915174			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		10.00			
<b>Casing Diameter:</b>		2.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004915175			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		10.00			
<b>Screen End Depth:</b>		20.00			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.25			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1004915173			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		ft			
<b>Hole Diameter</b>					
<b>Hole ID:</b>					
<b>Diameter:</b>		8.00			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		20.00			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			

<a href="#">26</a>	2 of 2	WNW/176.1	241.6	Brampton ON	WWIS
<b>Well ID:</b> 7255419					
<b>Construction Date:</b>					
<b>Primary Water Use:</b>					
<b>Sec. Water Use:</b>					
<b>Final Well Status:</b> Abandoned-Other					
<b>Water Type:</b>					
<b>Casing Material:</b>					
<b>Audit No:</b>		Z218852			
<b>Tag:</b>		A145241			
<b>Construction Method:</b>					
<b>Elevation (m):</b>					
<b>Elevation Reliability:</b>					
<b>Depth to Bedrock:</b>					
<b>Well Depth:</b>					
<b>Overburden/Bedrock:</b>					
<b>Pump Rate:</b>					
<b>Static Water Level:</b>					
<b>Flowing (Y/N):</b>					
<b>Flow Rate:</b>					
<b>Clear/Cloudy:</b>					
<b>Data Entry Status:</b>					
<b>Data Src:</b>					
<b>Date Received:</b>		1/6/2016			
<b>Selected Flag:</b>		1			
<b>Abandonment Rec:</b>		Yes			
<b>Contractor:</b>		7523			
<b>Form Version:</b>		7			
<b>Owner:</b>					
<b>Street Name:</b>		10201 MISSISSAUGA RD			
<b>County:</b>		PEEL			
<b>Municipality:</b>		BRAMPTON CITY (CHINGUACOUSY)			
<b>Site Info:</b>					
<b>Lot:</b>					
<b>Concession:</b>					
<b>Concession Name:</b>					
<b>Easting NAD83:</b>					
<b>Northing NAD83:</b>					
<b>Zone:</b>					
<b>UTM Reliability:</b>					

**Bore Hole Information**

<b>Bore Hole ID:</b> 1005856045					
<b>DP2BR:</b>					
<b>Code OB:</b>					
<b>Code OB Desc:</b>					
<b>Open Hole:</b>					
<b>Elevation:</b>		242.034027			
<b>Elevrc:</b>					
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b>Spatial Status:</b>					
<b>Cluster Kind:</b>					
<b>UTMRC:</b>		4			
<b>UTMRC Desc:</b>		margin of error : 30 m - 100 m			
<b>Location Method:</b> wwr					
<b>Org CS:</b>		UTM83			
<b>Date Completed:</b>		12/15/2015			

**Annular Space/Abandonment  
Sealing Record**

<b>Plug ID:</b>		1005963068
<b>Layer:</b>		1
<b>Plug From:</b>		0.00

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug To:</b>		6.10			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1005963067			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1005963061			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1005963065			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		6.10			
<b>Casing Diameter:</b>		5.71			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1005963066			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1005963064			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1005963063			
<b>Diameter:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<a href="#">27</a>	1 of 1	ENE/179.1	242.1	lot 11 con 4 BRAMPTON ON	WWIS
<b>Well ID:</b>		4910394	<b>Data Entry Status:</b>		
<b>Construction Date:</b>			<b>Data Src:</b>		
<b>Primary Water Use:</b>		Not Used	<b>Date Received:</b> 12/27/2006		
<b>Sec. Water Use:</b>			<b>Selected Flag:</b> 1		
<b>Final Well Status:</b>		Abandoned-Other	<b>Abandonment Rec:</b> Yes		
<b>Water Type:</b>			<b>Contractor:</b> 3349		
<b>Casing Material:</b>			<b>Form Version:</b> 3		
<b>Audit No:</b>		Z71808	<b>Owner:</b>		
<b>Tag:</b>			<b>Street Name:</b> HWY 7		
<b>Construction Method:</b>			<b>County:</b> PEEL		
<b>Elevation (m):</b>			<b>Municipality:</b> BRAMPTON CITY (CHINGUACOUSY)		
<b>Elevation Reliability:</b>			<b>Site Info:</b>		
<b>Depth to Bedrock:</b>			<b>Lot:</b> 011		
<b>Well Depth:</b>			<b>Concession:</b> 04		
<b>Overburden/Bedrock:</b>			<b>Concession Name:</b>		
<b>Pump Rate:</b>			<b>Easting NAD83:</b>		
<b>Static Water Level:</b>			<b>Northing NAD83:</b>		
<b>Flowing (Y/N):</b>			<b>Zone:</b>		
<b>Flow Rate:</b>			<b>UTM Reliability:</b>		
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>		11694275	<b>Spatial Status:</b>		
<b>DP2BR:</b>			<b>Cluster Kind:</b>		
<b>Code OB:</b>		—	<b>UTMRC:</b> 3		
<b>Code OB Desc:</b>		No formation data	<b>UTMRC Desc:</b> margin of error : 10 - 30 m		
<b>Open Hole:</b>			<b>Location Method:</b> wwr		
<b>Elevation:</b>		246.443161	<b>Org CS:</b> UTM83		
<b>Elevrc:</b>			<b>Date Completed:</b> 11/1/2006		
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933305631			
<b>Layer:</b>		1			
<b>Plug From:</b>		7.00			
<b>Plug To:</b>		5.00			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>		933305632			
<b>Layer:</b>		2			
<b>Plug From:</b>		5.00			
<b>Plug To:</b>		2.00			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>		933305633			
<b>Layer:</b>		3			
<b>Plug From:</b>		2.00			
<b>Plug To:</b>		0.00			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		964910394			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11699141			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930890133			
<b>Layer:</b>		1			
<b>Material:</b>		3			
<b>Open Hole or Material:</b>		CONCRETE			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		7.00			
<b>Casing Diameter:</b>		91.44			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		11758299			
<b>Diameter:</b>		91.44			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		7.00			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
<a href="#">28</a>	1 of 1	<b>ENE/179.9</b>	<b>241.9</b>	<b>Creditview Road And Bovaird Drive Brampton ON</b>	<b>EHS</b>
<b>Postal Code:</b>					
<b>City:</b>					
<b>Address2:</b>					
<b>Address1:</b>					
<b>Provstate:</b>					
<b>Order No.:</b>		20120104021			
<b>Addit. Info Ordered::</b>		Fire Insur. Maps and/or Site Plans;			
<b>Report Date:</b>		1/13/2012 2:54:46 PM			
<b>Report Type:</b>		Standard Report			
<b>Search Radius (km):</b>		0.25			
<a href="#">29</a>	1 of 1	<b>WNW/185.6</b>	<b>240.9</b>	<b>10244 Mississauga Road Brampton ON L7A 0B8</b>	<b>EHS</b>
<b>Postal Code:</b>					
<b>City:</b>					
<b>Address2:</b>					
<b>Address1:</b>					
<b>Provstate:</b>					
<b>Order No.:</b>		20060307026			
<b>Addit. Info Ordered::</b>		Fire Insur. Maps and/or Site Plans			
<b>Report Date:</b>		3/16/2006			
<b>Report Type:</b>		Complete Report			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Search Radius (km):		0.5			

<a href="#">30</a>	1 of 2	NE/191.0	244.8	lot 11 con 4 BRAMPTON ON	WWIS
<b>Well ID:</b>	4910386			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>				<b>Date Received:</b>	12/27/2006
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Abandoned-Other			<b>Abandonment Rec:</b>	Yes
<b>Water Type:</b>				<b>Contractor:</b>	3349
<b>Casing Material:</b>				<b>Form Version:</b>	3
<b>Audit No:</b>	Z71497			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	10296 CREDITVIEW RD
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY (CHINGUACOUSY)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	011
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

#### Bore Hole Information

<b>Bore Hole ID:</b>	11694267			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	
<b>Code OB:</b>	-			<b>UTMRC:</b>	3
<b>Code OB Desc:</b>	No formation data			<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>				<b>Location Method:</b>	wwr
<b>Elevation:</b>	246.858139			<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	11/1/2006
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

#### Annular Space/Abandonment Sealing Record

<b>Plug ID:</b>	933305604
<b>Layer:</b>	1
<b>Plug From:</b>	6.50
<b>Plug To:</b>	5.00
<b>Plug Depth UOM:</b>	m
<b>Plug ID:</b>	933305605
<b>Layer:</b>	2
<b>Plug From:</b>	5.00
<b>Plug To:</b>	2.00
<b>Plug Depth UOM:</b>	m
<b>Plug ID:</b>	933305606
<b>Layer:</b>	3
<b>Plug From:</b>	2.00
<b>Plug To:</b>	0.00

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964910386			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11699133			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930890126			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>		-0.30			
<b>Depth To:</b>		6.50			
<b>Casing Diameter:</b>		15.88			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		11758291			
<b>Diameter:</b>		15.88			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		6.50			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

<a href="#"><u>30</u></a>	2 of 2	NE/191.0	244.8	lot 11 con 4 BRAMPTON ON	WWIS
<b>Well ID:</b>		4910387		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>				<b>Date Received:</b>	12/27/2006
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	1
<b>Final Well Status:</b>		Abandoned-Other		<b>Abandonment Rec:</b>	Yes
<b>Water Type:</b>				<b>Contractor:</b>	3349
<b>Casing Material:</b>				<b>Form Version:</b>	3
<b>Audit No:</b>		Z71498		<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	10296 CREDITVIEW RD
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY (CHINGUACOUSY)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	011
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
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**Bore Hole Information**

<b>Bore Hole ID:</b>	11694268	<b>Spatial Status:</b>	
<b>DP2BR:</b>		<b>Cluster Kind:</b>	
<b>Code OB:</b>	—	<b>UTMRC:</b>	3
<b>Code OB Desc:</b>	No formation data	<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>		<b>Location Method:</b>	wwr
<b>Elevation:</b>	246.858139	<b>Org CS:</b>	UTM83
<b>Elevrc:</b>		<b>Date Completed:</b>	11/1/2006
<b>Remarks:</b>			
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Annular Space/Abandonment  
Sealing Record**

<b>Plug ID:</b>	933305607
<b>Layer:</b>	1
<b>Plug From:</b>	3.00
<b>Plug To:</b>	2.00
<b>Plug Depth UOM:</b>	m

<b>Plug ID:</b>	933305608
<b>Layer:</b>	2
<b>Plug From:</b>	2.00
<b>Plug To:</b>	0.50
<b>Plug Depth UOM:</b>	m

<b>Plug ID:</b>	933305609
<b>Layer:</b>	3
<b>Plug From:</b>	0.50
<b>Plug To:</b>	0.00
<b>Plug Depth UOM:</b>	m

**Method of Construction & Well  
Use**

<b>Method Construction ID:</b>	964910387
<b>Method Construction Code:</b>	
<b>Method Construction:</b>	
<b>Other Method Construction:</b>	

**Pipe Information**

<b>Pipe ID:</b>	11699134
<b>Casing No:</b>	1
<b>Comment:</b>	
<b>Alt Name:</b>	

**Construction Record - Casing**

<b>Casing ID:</b>	930890127
<b>Layer:</b>	1
<b>Material:</b>	2
<b>Open Hole or Material:</b>	GALVANIZED
<b>Depth From:</b>	
<b>Depth To:</b>	
<b>Casing Diameter:</b>	61.00

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<b><u>Hole Diameter</u></b>					
Hole ID:		11758292			
Diameter:		61.00			
Depth From:		0.00			
Depth To:		3.00			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<a href="#">31</a>	1 of 1	NE/197.1	242.9	BRAMPTON ON	WWIS
Well ID:	7253887			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	12/10/2015
Sec. Water Use:				Selected Flag:	1
Final Well Status:	Abandoned-Other			Abandonment Rec:	Yes
Water Type:				Contractor:	4102
Casing Material:				Form Version:	7
Audit No:	Z213875			Owner:	
Tag:				Street Name:	BOUVSRD & CREDIT VALLEY
Construction Method:				County:	PEEL
Elevation (m):				Municipality:	BRAMPTON CITY (CHINGUACOUSY)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

**Bore Hole Information**

Bore Hole ID:	1005832705			Spatial Status:	
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	4
Code OB Desc:				UTMRC Desc:	margin of error : 30 m - 100 m
Open Hole:				Location Method:	wwr
Elevation:	244.636978			Org CS:	UTM83
Elevrc:				Date Completed:	10/8/2015
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

**Annular Space/Abandonment Sealing Record**

Plug ID:	1005866375
Layer:	1
Plug From:	34.00
Plug To:	0.00
Plug Depth UOM:	ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1005866374			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1005866368			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1005866372			
<b>Layer:</b>					
<b>Material:</b>					
<b>Open Hole or Material:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1005866373			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1005866371			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		ft			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1005866370			
<b>Diameter:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			

[32](#)

1 of 3

WNW/203.3

241.9

PO BOX 184 RR2 10201 Mississauga Road  
Norval ON L0P 1K0

EHS

Postal Code:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>City:</b> <b>Address2:</b> <b>Address1:</b> <b>Provstate:</b> <b>Order No.:</b> 20080918041 <b>Addit. Info Ordered::</b> Fire Insur. Maps and/or Site Plans <b>Report Date:</b> 9/26/2008 <b>Report Type:</b> Standard Report <b>Search Radius (km):</b> 0.25					
<a href="#">32</a>	2 of 3	WNW/203.3	241.9	<b>NORVAL FARM SUPPLY RR #2 10201 Mississauga Road NORVAL ON L0P 1K0</b>	<b>GEN</b>
<b>Generator No.:</b> ON2399900 <b>Status:</b> <b>Approval Years:</b> 04 <b>Contam. Facility:</b> <b>MHSW Facility:</b> <b>SIC Code:</b> 562110 <b>SIC Description:</b> Waste Collection  <b>PO Box No.:</b> <b>Country:</b> <b>Choice of Contact:</b> <b>Co Admin:</b> <b>Phone No. Admin:</b>					
<b>--Details--</b> <b>Waste Code:</b> 252 <b>Waste Description:</b> WASTE OILS & LUBRICANTS					
<a href="#">32</a>	3 of 3	WNW/203.3	241.9	<b>NORVAL FARM SUPPLY DIV OF MAPLE FARM SUPPLY LT R.R. #2 NORVAL ON L0N 1E0</b>	<b>PES</b>
<b>Licence No.:</b> <b>Detail Licence No.:</b> <b>Licence Type Code:</b> <b>Licence Type:</b> Vendor <b>Licence Class:</b> <b>Licence Control:</b> <b>Trade Name:</b> <b>Post Office Box:</b> <b>Lot:</b> <b>Concession:</b> <b>Region:</b> <b>District:</b> <b>County:</b>					
<b>Operator Box:</b> <b>Operator Class:</b> <b>Operator No.:</b> <b>Operator Type:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Region:</b> <b>Operator District:</b> <b>Operator County:</b> <b>Oper Phone Area Cd:</b> <b>Ext:</b> <b>Oper Phone Number:</b> <b>Proponent Ext:</b>					
<a href="#">33</a>	1 of 3	ENE/208.2	241.9	<b>Mount Pleasant Dentistry 15 Ashby Field Road, Unit 11 Brampton ON L6X 0R3</b>	<b>GEN</b>
<b>Generator No.:</b> ON5925199 <b>Status:</b> <b>Approval Years:</b> 2016 <b>Contam. Facility:</b> No <b>MHSW Facility:</b> No <b>SIC Code:</b> 621210 <b>SIC Description:</b> OFFICES OF DENTISTS  <b>PO Box No.:</b> <b>Country:</b> Canada <b>Choice of Contact:</b> CO_ADMIN <b>Co Admin:</b> Anila Ahmed-Khan <b>Phone No. Admin:</b> 905-840-7800 Ext.					
<b>--Details--</b> <b>Waste Code:</b> 312					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Waste Description:</b>		PATHOLOGICAL WASTES			
<a href="#">33</a>	2 of 3	ENE/208.2	241.9	Mount Pleasant Dentistry 15 Ashby Field Road, Unit 11 Brampton ON L6X 0R3	GEN
<b>Generator No.:</b>	ON5925199			<b>PO Box No.:</b>	
<b>Status:</b>				<b>Country:</b>	Canada
<b>Approval Years:</b>	2015			<b>Choice of Contact:</b>	CO_ADMIN
<b>Contam. Facility:</b>	No			<b>Co Admin:</b>	Anila Ahmed-Khan
<b>MHSW Facility:</b>	No			<b>Phone No. Admin:</b>	905-840-7800 Ext.
<b>SIC Code:</b>	621210				
<b>SIC Description:</b>	OFFICES OF DENTISTS				
<b>--Details--</b>					
<b>Waste Code:</b>	312				
<b>Waste Description:</b>	PATHOLOGICAL WASTES				
<a href="#">33</a>	3 of 3	ENE/208.2	241.9	Mount Pleasant Dentistry 15 Ashby Field Road, Unit 11 Brampton ON L6X 0R3	GEN
<b>Generator No.:</b>	ON5925199			<b>PO Box No.:</b>	
<b>Status:</b>	Registered			<b>Country:</b>	Canada
<b>Approval Years:</b>	As of Jun 2017			<b>Choice of Contact:</b>	
<b>Contam. Facility:</b>				<b>Co Admin:</b>	
<b>MHSW Facility:</b>				<b>Phone No. Admin:</b>	
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>--Details--</b>					
<b>Waste Code:</b>	312 P				
<b>Waste Description:</b>	Pathological wastes				
<a href="#">34</a>	1 of 1	NW/218.0	240.9	Brampton ON	WWIS
<b>Well ID:</b>	7238741			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>				<b>Date Received:</b>	3/24/2015
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Abandoned-Other			<b>Abandonment Rec:</b>	Yes
<b>Water Type:</b>				<b>Contractor:</b>	7523
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z190737			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	10201 MISSISSAUGA RD
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY (CHINGUACOUSY)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1005315769			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	
<b>Code OB:</b>				<b>UTMRC:</b>	4
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Open Hole:</b>				<b>Location Method:</b>	wwr
<b>Elevation:</b>	243.086044			<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	7/1/2014
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1005577147				
<b>Layer:</b>	1				
<b>Plug From:</b>	0.00				
<b>Plug To:</b>	2.00				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	1005577148				
<b>Layer:</b>	2				
<b>Plug From:</b>	2.00				
<b>Plug To:</b>	2.20				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	1005577149				
<b>Layer:</b>	3				
<b>Plug From:</b>	2.20				
<b>Plug To:</b>	11.00				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	1005577150				
<b>Layer:</b>	4				
<b>Plug From:</b>	11.00				
<b>Plug To:</b>	12.00				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	1005577151				
<b>Layer:</b>	5				
<b>Plug From:</b>	12.00				
<b>Plug To:</b>	13.00				
<b>Plug Depth UOM:</b>	m				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	1005577146				
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	1005577139				
<b>Casing No:</b>	0				
<b>Comment:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>			1005577144		
<b>Layer:</b>			1		
<b>Material:</b>			3		
<b>Open Hole or Material:</b>			CONCRETE		
<b>Depth From:</b>			0.00		
<b>Depth To:</b>					
<b>Casing Diameter:</b>			76.20		
<b>Casing Diameter UOM:</b>			cm		
<b>Casing Depth UOM:</b>			m		
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>			1005577145		
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>			m		
<b>Screen Diameter UOM:</b>			cm		
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>			1005577140		
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>			m		
<b>Rate UOM:</b>			LPM		
<b>Water State After Test Code:</b>			0		
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>			0		
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>			N		
<b><u>Water Details</u></b>					
<b>Water ID:</b>			1005577143		
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>			m		
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>			1005577142		
<b>Diameter:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Hole Depth UOM:</b>			m		
<b>Hole Diameter UOM:</b>			cm		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<a href="#">35</a>	1 of 1	NE/218.7	245.1	lot 11 con 4 BRAMPTON ON	WWIS
<b>Well ID:</b>	4910385			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>				<b>Date Received:</b>	12/27/2006
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Abandoned-Other			<b>Abandonment Rec:</b>	Yes
<b>Water Type:</b>				<b>Contractor:</b>	3349
<b>Casing Material:</b>				<b>Form Version:</b>	3
<b>Audit No:</b>	Z71496			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	10296 CREDITVIEW RD
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY (CHINGUACOUSY)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	011
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	11694266			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	
<b>Code OB:</b>	—			<b>UTMRC:</b>	3
<b>Code OB Desc:</b>	No formation data			<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>				<b>Location Method:</b>	wwr
<b>Elevation:</b>	246.680191			<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	11/1/2006
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	933305601				
<b>Layer:</b>	1				
<b>Plug From:</b>	2.00				
<b>Plug To:</b>	1.00				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	933305602				
<b>Layer:</b>	2				
<b>Plug From:</b>	1.00				
<b>Plug To:</b>	0.25				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	933305603				
<b>Layer:</b>	3				
<b>Plug From:</b>	0.25				
<b>Plug To:</b>	0.00				
<b>Plug Depth UOM:</b>	m				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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**Method of Construction & Well Use**

Method Construction ID: 964910385  
Method Construction Code:  
Method Construction:  
Other Method Construction:

**Pipe Information**

Pipe ID: 11699132  
Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930890125  
Layer: 1  
Material:  
Open Hole or Material:  
Depth From: 0.00  
Depth To: 2.00  
Casing Diameter: 200.00  
Casing Diameter UOM: cm  
Casing Depth UOM: m

**Hole Diameter**

Hole ID: 11758290  
Diameter: 200.00  
Depth From: 0.00  
Depth To: 2.00  
Hole Depth UOM: m  
Hole Diameter UOM: cm

<a href="#">36</a>	1 of 1	NE/218.7	245.1	lot 11 con 4 Brampton ON	WWIS
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<p>Well ID: 7114644  Construction Date:  Primary Water Use:  Sec. Water Use:  Final Well Status: Abandoned-Other  Water Type:  Casing Material:  Audit No: Z76920  Tag:  Construction Method:  Elevation (m):  Elevation Reliability:  Depth to Bedrock:  Well Depth:  Overburden/Bedrock:  Pump Rate:  Static Water Level:  Flowing (Y/N):  Flow Rate:  Clear/Cloudy:</p>	<p>Data Entry Status:  Data Src:  Date Received: 11/10/2008  Selected Flag: 1  Abandonment Rec: Yes  Contractor: 3349  Form Version: 4  Owner:  Street Name: 10070 CREDITVIEW RD  County: PEEL  Municipality: BRAMPTON CITY (CHINGUACOUSY)  Site Info:  Lot: 011  Concession: 04  Concession Name: HS W  Easting NAD83:  Northing NAD83:  Zone:  UTM Reliability:</p>
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**Bore Hole Information**

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Bore Hole ID:</b>	1001864653			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	
<b>Code OB:</b>				<b>UTMRC:</b>	3
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>				<b>Location Method:</b>	wwr
<b>Elevation:</b>	246.692886			<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	10/23/2008
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	1002553411				
<b>Layer:</b>	1				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>					
<b>Most Common Material:</b>					
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	0.00				
<b>Formation End Depth:</b>					
<b>Formation End Depth UOM:</b>	m				
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>	1002553413				
<b>Layer:</b>	1				
<b>Plug From:</b>	16.00				
<b>Plug To:</b>	18.00				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	1002553414				
<b>Layer:</b>	2				
<b>Plug From:</b>	3.00				
<b>Plug To:</b>	16.00				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	1002553415				
<b>Layer:</b>	3				
<b>Plug From:</b>	0.00				
<b>Plug To:</b>	3.00				
<b>Plug Depth UOM:</b>	m				
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>	1002553419				
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b><u>Pipe Information</u></b>					
Pipe ID:		1002553410			
Casing No:		0			
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:		1002553417			
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<b><u>Construction Record - Screen</u></b>					
Screen ID:		1002553418			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:					
Screen Diameter UOM:					
Screen Diameter:					
<b><u>Water Details</u></b>					
Water ID:		1002553416			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<b><u>Hole Diameter</u></b>					
Hole ID:		1002553412			
Diameter:		12.70			
Depth From:					
Depth To:		18.00			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

[37](#)

1 of 1

SSE/224.9

234.8

lot 11 con 5  
ON

WWIS

Well ID: 4902021  
 Construction Date:  
 Primary Water Use: Domestic  
 Sec. Water Use: 0  
 Final Well Status: Water Supply  
 Water Type:  
 Casing Material:  
 Audit No:  
 Tag:  
 Construction Method:

Data Entry Status:  
 Data Src: 1  
 Date Received: 9/4/1962  
 Selected Flag: 1  
 Abandonment Rec:  
 Contractor: 3514  
 Form Version: 1  
 Owner:  
 Street Name:  
 County: PEEL

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY (CHINGUACOUSY)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	011
<b>Well Depth:</b>				<b>Concession:</b>	05
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	HS W
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10316864			<b>Spatial Status:</b>	
<b>DP2BR:</b>	23			<b>Cluster Kind:</b>	
<b>Code OB:</b>	r			<b>UTMRC:</b>	5
<b>Code OB Desc:</b>	Bedrock			<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Open Hole:</b>				<b>Location Method:</b>	p5
<b>Elevation:</b>	236.23085			<b>Org CS:</b>	
<b>Elevrc:</b>				<b>Date Completed:</b>	6/5/1962
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	932036452				
<b>Layer:</b>	1				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Mat1:</b>	05				
<b>Most Common Material:</b>	CLAY				
<b>Mat2:</b>	09				
<b>Other Materials:</b>	MEDIUM SAND				
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	0.00				
<b>Formation End Depth:</b>	23.00				
<b>Formation End Depth UOM:</b>	ft				
<b>Formation ID:</b>	932036453				
<b>Layer:</b>	2				
<b>Color:</b>	7				
<b>General Color:</b>	RED				
<b>Mat1:</b>	17				
<b>Most Common Material:</b>	SHALE				
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	23.00				
<b>Formation End Depth:</b>	45.00				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	964902021				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Method Construction Code:</b>	1				
<b>Method Construction:</b>	Cable Tool				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	10865434				
<b>Casing No:</b>	1				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	930523700				
<b>Layer:</b>	1				
<b>Material:</b>	1				
<b>Open Hole or Material:</b>	STEEL				
<b>Depth From:</b>					
<b>Depth To:</b>	24.00				
<b>Casing Diameter:</b>	5.00				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b>Casing ID:</b>	930523701				
<b>Layer:</b>	2				
<b>Material:</b>	4				
<b>Open Hole or Material:</b>	OPEN HOLE				
<b>Depth From:</b>					
<b>Depth To:</b>	45.00				
<b>Casing Diameter:</b>	5.00				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>	994902021				
<b>Pump Set At:</b>					
<b>Static Level:</b>	8.00				
<b>Final Level After Pumping:</b>	8.00				
<b>Recommended Pump Depth:</b>	25.00				
<b>Pumping Rate:</b>	10.00				
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>	4.00				
<b>Levels UOM:</b>	ft				
<b>Rate UOM:</b>	GPM				
<b>Water State After Test Code:</b>	1				
<b>Water State After Test:</b>	CLEAR				
<b>Pumping Test Method:</b>	1				
<b>Pumping Duration HR:</b>	4				
<b>Pumping Duration MIN:</b>	0				
<b>Flowing:</b>	N				
<b><u>Water Details</u></b>					
<b>Water ID:</b>	933789992				
<b>Layer:</b>	1				
<b>Kind Code:</b>	1				
<b>Kind:</b>	FRESH				
<b>Water Found Depth:</b>	40.00				
<b>Water Found Depth UOM:</b>	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<a href="#">38</a>	1 of 1	NNW/252.7	239.9	Brampton ON	WWIS
<b>Well ID:</b>	7155585			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring			<b>Date Received:</b>	12/8/2010
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Test Hole			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	6607
<b>Casing Material:</b>				<b>Form Version:</b>	5
<b>Audit No:</b>	M07358			<b>Owner:</b>	
<b>Tag:</b>	A101033			<b>Street Name:</b>	10201 MISSISSAYGA ROAD
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	BRAMPTON CITY (CHINGUACOUSY)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1006147075			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	This is a record from cluster log sheet
<b>Code OB:</b>				<b>UTMRC:</b>	3
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>				<b>Location Method:</b>	WWR
<b>Elevation:</b>				<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	10/14/2010
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1006147079				
<b>Layer:</b>					
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>	m				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	1006147078				
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>	BORING				
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	1006147080				
<b>Casing No:</b>	0				
<b>Comment:</b>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<i>Alt Name:</i>					
<b><u>Construction Record - Casing</u></b>					
<i>Casing ID:</i>		1006147082			
<i>Layer:</i>		1			
<i>Material:</i>		5			
<i>Open Hole or Material:</i>		PLASTIC			
<i>Depth From:</i>					
<i>Depth To:</i>		3.00			
<i>Casing Diameter:</i>					
<i>Casing Diameter UOM:</i>		cm			
<i>Casing Depth UOM:</i>		m			
<b><u>Construction Record - Screen</u></b>					
<i>Screen ID:</i>		1006147081			
<i>Layer:</i>		1			
<i>Slot:</i>					
<i>Screen Top Depth:</i>		3.00			
<i>Screen End Depth:</i>		6.00			
<i>Screen Material:</i>					
<i>Screen Depth UOM:</i>		m			
<i>Screen Diameter UOM:</i>		cm			
<i>Screen Diameter:</i>					
<b><u>Results of Well Yield Testing</u></b>					
<i>Pump Test ID:</i>		1006147083			
<i>Pump Set At:</i>					
<i>Static Level:</i>		3.90			
<i>Final Level After Pumping:</i>					
<i>Recommended Pump Depth:</i>					
<i>Pumping Rate:</i>					
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>					
<i>Levels UOM:</i>		m			
<i>Rate UOM:</i>					
<i>Water State After Test Code:</i>					
<i>Water State After Test:</i>					
<i>Pumping Test Method:</i>					
<i>Pumping Duration HR:</i>					
<i>Pumping Duration MIN:</i>					
<i>Flowing:</i>					
<b><u>Hole Diameter</u></b>					
<i>Hole ID:</i>		1006147077			
<i>Diameter:</i>		15.00			
<i>Depth From:</i>					
<i>Depth To:</i>		6.00			
<i>Hole Depth UOM:</i>		m			
<i>Hole Diameter UOM:</i>		cm			
<b><u>Bore Hole Information</u></b>					
<i>Bore Hole ID:</i>	1003431934			<i>Spatial Status:</i>	
<i>DP2BR:</i>				<i>Cluster Kind:</i>	
<i>Code OB:</i>				<i>UTMRC:</i>	3
<i>Code OB Desc:</i>				<i>UTMRC Desc:</i>	margin of error : 10 - 30 m
<i>Open Hole:</i>	N			<i>Location Method:</i>	wwr
<i>Elevation:</i>	241.999847			<i>Org CS:</i>	UTM83

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Elevrc:</b>				<b>Date Completed:</b>	10/13/2010
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1006147095			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>		79			
<b>Other Materials:</b>		PACKED			
<b>Formation Top Depth:</b>		0.00			
<b>Formation End Depth:</b>		1.00			
<b>Formation End Depth UOM:</b>		m			
<b>Formation ID:</b>		1006147096			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>		73			
<b>Other Materials:</b>		HARD			
<b>Formation Top Depth:</b>		1.00			
<b>Formation End Depth:</b>		4.50			
<b>Formation End Depth UOM:</b>		m			
<b>Formation ID:</b>		1006147097			
<b>Layer:</b>		3			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		05			
<b>Other Materials:</b>		CLAY			
<b>Mat3:</b>		73			
<b>Other Materials:</b>		HARD			
<b>Formation Top Depth:</b>		4.50			
<b>Formation End Depth:</b>		6.00			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1006147099			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.00			
<b>Plug To:</b>		0.30			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>		1006147100			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>	2				
<b>Plug From:</b>	0.30				
<b>Plug To:</b>	2.70				
<b>Plug Depth UOM:</b>	m				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	1006147106				
<b>Method Construction Code:</b>	6				
<b>Method Construction:</b>	Boring				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	1006147093				
<b>Casing No:</b>	0				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	1006147102				
<b>Layer:</b>	1				
<b>Material:</b>	5				
<b>Open Hole or Material:</b>	PLASTIC				
<b>Depth From:</b>	0.00				
<b>Depth To:</b>	3.00				
<b>Casing Diameter:</b>	5.10				
<b>Casing Diameter UOM:</b>	cm				
<b>Casing Depth UOM:</b>	m				
<b>Casing ID:</b>	1006147103				
<b>Layer:</b>	2				
<b>Material:</b>	5				
<b>Open Hole or Material:</b>	PLASTIC				
<b>Depth From:</b>	3.00				
<b>Depth To:</b>	6.00				
<b>Casing Diameter:</b>	5.10				
<b>Casing Diameter UOM:</b>	cm				
<b>Casing Depth UOM:</b>	m				
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>	1006147104				
<b>Layer:</b>	1				
<b>Slot:</b>	20				
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>	5				
<b>Screen Depth UOM:</b>	m				
<b>Screen Diameter UOM:</b>	cm				
<b>Screen Diameter:</b>	6.40				
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>	1006147094				
<b>Pump Set At:</b>					
<b>Static Level:</b>	3.90				
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		m			
<b>Rate UOM:</b>					
<b>Water State After Test Code:</b>	0				
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>	0				
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1006147101			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		5.90			
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1006147098			
<b>Diameter:</b>		16.00			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		6.00			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1006147057			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	This is a record from cluster log sheet
<b>Code OB:</b>				<b>UTMRC:</b>	3
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>				<b>Location Method:</b>	WWR
<b>Elevation:</b>				<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	10/14/2010
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006147061			
<b>Layer:</b>					
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1006147060			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>		BORING			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
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**Pipe Information**

**Pipe ID:** 1006147062  
**Casing No:** 0  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 1006147064  
**Layer:** 1  
**Material:** 5  
**Open Hole or Material:** PLASTIC  
**Depth From:**  
**Depth To:** 3.00  
**Casing Diameter:**  
**Casing Diameter UOM:** cm  
**Casing Depth UOM:** m

**Construction Record - Screen**

**Screen ID:** 1006147063  
**Layer:** 1  
**Slot:**  
**Screen Top Depth:** 3.00  
**Screen End Depth:** 6.00  
**Screen Material:**  
**Screen Depth UOM:** m  
**Screen Diameter UOM:** cm  
**Screen Diameter:**

**Results of Well Yield Testing**

**Pump Test ID:** 1006147065  
**Pump Set At:**  
**Static Level:** 3.70  
**Final Level After Pumping:**  
**Recommended Pump Depth:**  
**Pumping Rate:**  
**Flowing Rate:**  
**Recommended Pump Rate:**  
**Levels UOM:** m  
**Rate UOM:**  
**Water State After Test Code:**  
**Water State After Test:**  
**Pumping Test Method:**  
**Pumping Duration HR:**  
**Pumping Duration MIN:**  
**Flowing:**

**Hole Diameter**

**Hole ID:** 1006147059  
**Diameter:** 15.00  
**Depth From:**  
**Depth To:** 6.00  
**Hole Depth UOM:** m  
**Hole Diameter UOM:** cm

**Bore Hole Information**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Bore Hole ID:</b>	1006147048			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	This is a record from cluster log sheet
<b>Code OB:</b>				<b>UTMRC:</b>	3
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>				<b>Location Method:</b>	WWR
<b>Elevation:</b>				<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	10/13/2010
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1006147052				
<b>Layer:</b>					
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	1006147051				
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>		BORING			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	1006147053				
<b>Casing No:</b>	0				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	1006147055				
<b>Layer:</b>	1				
<b>Material:</b>	5				
<b>Open Hole or Material:</b>	PLASTIC				
<b>Depth From:</b>					
<b>Depth To:</b>	3.00				
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>	cm				
<b>Casing Depth UOM:</b>	m				
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>	1006147054				
<b>Layer:</b>	1				
<b>Slot:</b>					
<b>Screen Top Depth:</b>	3.00				
<b>Screen End Depth:</b>	6.00				
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>	m				
<b>Screen Diameter UOM:</b>	cm				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>			1006147056		
<b>Pump Set At:</b>					
<b>Static Level:</b>			3.90		
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>			m		
<b>Rate UOM:</b>					
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>			1006147050		
<b>Diameter:</b>			15.00		
<b>Depth From:</b>					
<b>Depth To:</b>			6.00		
<b>Hole Depth UOM:</b>			m		
<b>Hole Diameter UOM:</b>			cm		
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1006147084				
<b>DP2BR:</b>					
<b>Code OB:</b>					
<b>Code OB Desc:</b>					
<b>Open Hole:</b>					
<b>Elevation:</b>					
<b>Elevrc:</b>					
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>			1006147088		
<b>Layer:</b>					
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>			m		
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>			1006147087		
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					

**Spatial Status:**  
**Cluster Kind:** This is a record from cluster log sheet  
**UTMRC:** 3  
**UTMRC Desc:** margin of error : 10 - 30 m  
**Location Method:** WWR  
**Org CS:** UTM83  
**Date Completed:** 10/14/2010

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Other Method Construction:</b>		BORING			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1006147089			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1006147091			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>					
<b>Depth To:</b>		3.00			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1006147090			
<b>Layer:</b>		1			
<b>Slot:</b>					
<b>Screen Top Depth:</b>		3.00			
<b>Screen End Depth:</b>		6.00			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		1006147092			
<b>Pump Set At:</b>					
<b>Static Level:</b>		3.90			
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		m			
<b>Rate UOM:</b>					
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1006147086			
<b>Diameter:</b>		15.00			
<b>Depth From:</b>					
<b>Depth To:</b>		6.00			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1006147066			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	This is a record from cluster log sheet
<b>Code OB:</b>				<b>UTMRC:</b>	3
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>				<b>Location Method:</b>	WWR
<b>Elevation:</b>				<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	10/14/2010
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1006147070				
<b>Layer:</b>					
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	1006147069				
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>		BORING			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	1006147071				
<b>Casing No:</b>	0				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	1006147073				
<b>Layer:</b>	1				
<b>Material:</b>	5				
<b>Open Hole or Material:</b>	PLASTIC				
<b>Depth From:</b>					
<b>Depth To:</b>	3.00				
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>	cm				
<b>Casing Depth UOM:</b>	m				
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>	1006147072				
<b>Layer:</b>	1				
<b>Slot:</b>					
<b>Screen Top Depth:</b>	3.00				
<b>Screen End Depth:</b>	6.00				
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>	m				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Screen Diameter UOM:		cm			
Screen Diameter:					
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:		1006147074			
Pump Set At:					
Static Level:		3.70			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<b><u>Hole Diameter</u></b>					
Hole ID:		1006147068			
Diameter:		15.00			
Depth From:					
Depth To:		6.00			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

[39](#)

1 of 2

WNW/263.1

240.8

MISSISSAUGA ON

WWIS

Well ID: 7198901  
 Construction Date:  
 Primary Water Use: Monitoring and Test Hole  
 Sec. Water Use:  
 Final Well Status: Monitoring and Test Hole  
 Water Type:  
 Casing Material:  
 Audit No: Z167751  
 Tag: A145243  
 Construction Method:  
 Elevation (m):  
 Elevation Reliability:  
 Depth to Bedrock:  
 Well Depth:  
 Overburden/Bedrock:  
 Pump Rate:  
 Static Water Level:  
 Flowing (Y/N):  
 Flow Rate:  
 Clear/Cloudy:

Data Entry Status:  
 Data Src:  
 Date Received: 3/20/2013  
 Selected Flag: 1  
 Abandonment Rec:  
 Contractor: 7241  
 Form Version: 7  
 Owner:  
 Street Name: 10201 MISSISSAUGA RD.  
 County: PEEL  
 Municipality: BRAMPTON CITY (CHINGUACOUSY)  
 Site Info: WKQ-005772 A0-A02  
 Lot:  
 Concession:  
 Concession Name:  
 Easting NAD83:  
 Northing NAD83:  
 Zone:  
 UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 1004265360  
 DP2BR:  
 Code OB:  
 Code OB Desc:  
 Open Hole:

Spatial Status:  
 Cluster Kind:  
 UTMRC: 4  
 UTMRC Desc: margin of error : 30 m - 100 m  
 Location Method: wwr

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Elevation:</b>	244.300582			<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	3/4/2013
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock Materials Interval**

**Formation ID:** 1004915140  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 06  
**Most Common Material:** SILT  
**Mat2:** 28  
**Other Materials:** SAND  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 0.00  
**Formation End Depth:** 10.00  
**Formation End Depth UOM:** ft

**Formation ID:** 1004915141  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 06  
**Other Materials:** SILT  
**Mat3:** 91  
**Other Materials:** WATER-BEARING  
**Formation Top Depth:** 10.00  
**Formation End Depth:** 20.00  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment Sealing Record**

**Plug ID:** 1004915149  
**Layer:** 1  
**Plug From:** 0.00  
**Plug To:** 1.00  
**Plug Depth UOM:** ft

**Plug ID:** 1004915150  
**Layer:** 2  
**Plug From:** 1.00  
**Plug To:** 9.00  
**Plug Depth UOM:** ft

**Plug ID:** 1004915151  
**Layer:** 3  
**Plug From:** 9.00  
**Plug To:** 20.00  
**Plug Depth UOM:** ft

**Method of Construction & Well**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		1004915148			
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004915139			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004915144			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		10.00			
<b>Casing Diameter:</b>		2.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004915145			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		10.00			
<b>Screen End Depth:</b>		20.00			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.25			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1004915143			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		ft			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1004915142			
<b>Diameter:</b>		8.00			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		20.00			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			

39

2 of 2

WNW/263.1

240.8

Brampton ON

WWIS

**Well ID:** 7255420  
**Construction Date:**

**Data Entry Status:**  
**Data Src:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b> Abandoned-Other <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> Z218853 <b>Tag:</b> A145243 <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>				<b>Date Received:</b> 1/6/2016 <b>Selected Flag:</b> 1 <b>Abandonment Rec:</b> Yes <b>Contractor:</b> 7523 <b>Form Version:</b> 7 <b>Owner:</b> <b>Street Name:</b> 10201 MISSISSAUGA RD <b>County:</b> PEEL <b>Municipality:</b> BRAMPTON CITY (CHINGUACOUSY) <b>Site Info:</b> <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> 1005856048 <b>DP2BR:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Elevation:</b> 244.300582 <b>Elevrc:</b> <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>				<b>Spatial Status:</b> <b>Cluster Kind:</b> <b>UTMRC:</b> 4 <b>UTMRC Desc:</b> margin of error : 30 m - 100 m <b>Location Method:</b> wwr <b>Org CS:</b> UTM83 <b>Date Completed:</b> 12/15/2015	
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b> 1005963086 <b>Layer:</b> 1 <b>Plug From:</b> 0.00 <b>Plug To:</b> 6.10 <b>Plug Depth UOM:</b> m					
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b> 1005963085 <b>Method Construction Code:</b> <b>Method Construction:</b> <b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b> 1005963079 <b>Casing No:</b> 0 <b>Comment:</b> <b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Casing ID:</b>		1005963083			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		6.10			
<b>Casing Diameter:</b>		5.71			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1005963084			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1005963082			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1005963081			
<b>Diameter:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

# Unplottable Summary

Total: **36** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	R.M. OF PEEL	NORTH OF HIGHWAY #7	BRAMPTON CITY ON	
CA	MCDONALD'S RESTAURANTS OF CANADA LTD.	HWY.7	BRAMTON CITY ON	
CA	SAM-SOR ENTERPRISES INC.	HWY. 7 EASEMENT	BRAMPTON CITY ON	
CA	REG. MUN. OF PEEL	HWY #7	BRAMPTON CITY ON	
CA	SAM-SOR ENTERPRISES INC.	HIGHWAY 7 EASEMENT	BRAMPTON CITY ON	
CA	BRAMALEA LIMITED	A STREET N. OF HWY. 7	BRAMPTON CITY ON	
CA	BRAMALEA LIMITED	A STREET HWY. 7	BRAMPTON CITY ON	
CA	1359443 Ontario Limited	Regional Road 107	Brampton ON	
CA	Mattamy (Credit River) Limited	Within the Fletcher's Meadow Community, Block Plan No. 44-1	Brampton ON	
CA	BRAMALEA LIMITED	BOVAIRD DR. TORONTO TEMPLE	BRAMPTON CITY ON	
CA	BRAMALEA LIMITED 3-2120-87-006	BOVAIRD DR. TORONTO TEMPLE	BRAMPTON CITY ON	
CA	The Regional Municipality of Peel	Bovaird Drive	Brampton ON	
CA	The Regional Municipality of Peel	Bovaird Drive	Brampton ON	
CA	WELLINGDALE COMMUNITY (BRAMPTON) INC.	BOVAIRD DR., PT.LOT 11/CONC. 5	BRAMPTON CITY ON	
CA	Mattamy (Credit River) Limited		Brampton ON	
CA	Mattamy (Credit River) Limited		Brampton ON	
CA	Mattamy (Credit River) Limited		Brampton ON	

CA	Creview Development Inc.	Part of Lot 10, Concession 4	Brampton ON	
CA	Mattamy (Credit River) Limited	Within the Fletcher's Meadow Community, Block Plan No. 44-1	Brampton ON	
CA	1359443 Ontario Limited	Regional Road 107	Brampton ON	
CA	Mattamy (Credit River) Limited	Within the Fletcher's Meadow Community, Block Plan No. 44-1	Brampton ON	
CA	WELLINGTON COUNTY (NICHOL & PILKINGTON)	COUNTY ROAD #7, ALMA	PEEL TWP. ON	
ECA	Mattamy (Credit River) Limited		Brampton ON	L6H 6M5
ECA	The Regional Municipality of Peel	Mississauga Road	Brampton ON	L6T 4B9
ECA	1359443 Ontario Limited	Regional Road 107	Brampton ON	M9W 6H6
ECA	1359443 Ontario Limited	Regional Road 107	Brampton ON	M9W 6H6
EXP	GO VACATIONS CANADA INC	HWY 7	BRAMPTON ON	
OPCB	GREENSPOON BROS. LIMITED	HIGHWAY #7 R R # 8	BRAMPTON ON	
PRT	GO VACATIONS CANADA INC	HWY 7	BRAMPTON ON	
RSC		0 HIGHWAY 7 WEST (CHINGUACOUSY), BRAMPTON, ON L6X 0Y6	Brampton ON	
SCT	Eagle Stone Ltd.	Highway 7 W RR 8	Brampton ON	L6T 3Y7
SCT	Eagle Ornamental	Highway 7 W RR 8	Brampton ON	L6T 3Y7
SPL	Daniel Contracting Ltd.	Bovaird Dr	Brampton ON	
SPL	TRIMAC	HWY #7, AT PEEL BLOCK FUEL TANK AREA TANK TRUCK (CARGO)	BRAMPTON CITY ON	
SPL	Liberty Line Haul Inc.<UNOFFICIAL>	Bovaird Dr. east of Mississauga Rd.	Brampton ON	
SPL		Bovaird Dr	Brampton ON	

# Unplottable Report

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**Site:** R.M. OF PEEL  
NORTH OF HIGHWAY #7 BRAMPTON CITY ON **Database:**  
CA

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**Site:** MCDONALD'S RESTAURANTS OF CANADA LTD.  
HWY.7 BRAMTON CITY ON **Database:**  
CA

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**Site:** SAM-SOR ENTERPRISES INC.  
HWY. 7 EASEMENT BRAMPTON CITY ON **Database:**  
CA

---

**Site:** REG. MUN. OF PEEL  
HWY #7 BRAMPTON CITY ON **Database:**  
CA

---

**Site:** SAM-SOR ENTERPRISES INC.  
HIGHWAY 7 EASEMENT BRAMPTON CITY ON **Database:**  
CA

---

**Site:** BRAMALEA LIMITED  
A STREET N. OF HWY. 7 BRAMPTON CITY ON **Database:**  
CA

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**Site:** BRAMALEA LIMITED  
A STREET HWY. 7 BRAMPTON CITY ON **Database:**  
CA

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**Site:** 1359443 Ontario Limited  
Regional Road 107 Brampton ON **Database:**  
CA

**Certificate #:** 1858-4XPRDJ  
**Application Year:** 01  
**Issue Date:** 6/19/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name::** 1359443 Ontario Limited  
**Client Address::** 11 Steinway Boulevard  
**Client City::** Rexdale  
**Client Postal Code::** M9W 6H6  
**Project Description::** This application is for the construction of a sanitary sewer on Regional Road 107.  
**Contaminants::**  
**Emission Control::**

---

**Site:** Mattamy (Credit River) Limited  
Within the Fletcher's Meadow Community, Block Plan No. 44-1 Brampton ON **Database:**  
CA

**Certificate #:** 3291-7WLNXC  
**Application Year:** 2009  
**Issue Date:** 10/8/2009  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Amended  
**Application Type:**

**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** BRAMALEA LIMITED  
BOVAIRD DR. TORONTO TEMPLE BRAMPTON CITY ON

**Database:**  
CA

**Certificate #:** 3-2155-88-  
**Application Year:** 88  
**Issue Date:** 12/15/1988  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

---

**Site:** BRAMALEA LIMITED 3-2120-87-006  
BOVAIRD DR. TORONTO TEMPLE BRAMPTON CITY ON

**Database:**  
CA

**Certificate #:** 7-1825-88-  
**Application Year:** 88  
**Issue Date:** 12/12/1988  
**Approval Type:** Municipal water  
**Status:** Cancelled  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

---

**Site:** The Regional Municipality of Peel  
Bovaird Drive Brampton ON

**Database:**  
CA

**Certificate #:** 9801-6G2L2U  
**Application Year:** 2005  
**Issue Date:** 9/13/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

---

**Site:** The Regional Municipality of Peel  
Bovaird Drive Brampton ON

**Database:**  
CA

**Certificate #:** 5418-6B5LAN  
**Application Year:** 2005  
**Issue Date:** 4/15/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** WELLINGDALE COMMUNITY (BRAMPTON) INC.  
BOVAIRD DR., PT.LOT 11/CONC. 5 BRAMPTON CITY ON

**Database:**  
CA

**Certificate #:** 7-0394-94-  
**Application Year:** 94  
**Issue Date:** 5/26/1994  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** Mattamy (Credit River) Limited  
Brampton ON

**Database:**  
CA

**Certificate #:** 7321-6R5PVR  
**Application Year:** 2006  
**Issue Date:** 6/30/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** Mattamy (Credit River) Limited  
Brampton ON

**Database:**  
CA

**Certificate #:** 2613-7JSNKT  
**Application Year:** 2008  
**Issue Date:** 9/24/2008  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** *Mattamy (Credit River) Limited  
Brampton ON*

**Database:**  
[CA](#)

**Certificate #:** 5837-7K9R3J  
**Application Year:** 2008  
**Issue Date:** 10/10/2008  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

---

**Site:** *Creview Development Inc.  
Part of Lot 10, Concession 4 Brampton ON*

**Database:**  
[CA](#)

**Certificate #:** 9300-6HRPTQ  
**Application Year:** 2005  
**Issue Date:** 11/3/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** *Mattamy (Credit River) Limited  
Within the Fletcher's Meadow Community, Block Plan No. 44-1 Brampton ON*

**Database:**  
[CA](#)

**Certificate #:** 9506-86RHGP  
**Application Year:** 2010  
**Issue Date:** 7/2/2010  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** *1359443 Ontario Limited  
Regional Road 107 Brampton ON*

**Database:**  
[CA](#)

**Certificate #:** 7046-4XPR3G  
**Application Year:** 01  
**Issue Date:** 6/19/01  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name::** 1359443 Ontario Limited

**Client Address::** 11 Steinway Boulevard  
**Client City::** Rexdale  
**Client Postal Code::** M9W 6H6  
**Project Description::** This application is for the construction of watermains in conjunction with Project No. B09.303 in the City of Brampton, on Regional Road 107.  
**Contaminants::**  
**Emission Control::**

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**Site:** **Mattamy (Credit River) Limited**  
**Within the Fletcher's Meadow Community, Block Plan No. 44-1 Brampton ON**

**Database:**  
**CA**

**Certificate #:** 3291-7WLNXC  
**Application Year:** 2010  
**Issue Date:** 3/29/2010  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** **WELLINGTON COUNTY (NICHOL & PILKINGTON)**  
**COUNTY ROAD #7, ALMA PEEL TWP. ON**

**Database:**  
**CA**

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**Site:** **Mattamy (Credit River) Limited**  
**Brampton ON L6H 6M5**

**Database:**  
**ECA**

**Approval No:** 5822-92AMUY  
**Status:** Approved  
**Date:** 2012-11-22  
**Record Type:** ECA  
**Link Source:** IDS  
**Project Type:** Municipal and Private Sewage Works  
**Approval Type:** ECA-Municipal and Private Sewage Works  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/8707-8ZLNSY-14.pdf>

**SWP Area Name:**  
**MOE District:**  
**City:**  
**Latitude:**  
**Longitude:**

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**Site:** **The Regional Municipality of Peel**  
**Mississauga Road Brampton ON L6T 4B9**

**Database:**  
**ECA**

**Approval No:** 9134-6HKH79  
**Status:** Approved  
**Date:** 2005-10-31  
**Record Type:** ECA  
**Link Source:** IDS  
**Project Type:** Municipal Drinking Water Systems  
**Approval Type:** ECA-Municipal Drinking Water Systems  
**Full Address:**  
**Full PDF Link:**

**SWP Area Name:**  
**MOE District:**  
**City:**  
**Latitude:**  
**Longitude:**

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**Site:** **1359443 Ontario Limited**  
**Regional Road 107 Brampton ON M9W 6H6**

**Database:**  
**ECA**

**Approval No:** 7046-4XPR3G  
**Status:** Approved  
**Date:** 2001-06-19  
**Record Type:** ECA

**SWP Area Name:**  
**MOE District:**  
**City:**  
**Latitude:**

**Link Source:** IDS **Longitude:**  
**Project Type:** Municipal and Private Water Works  
**Approval Type:** ECA-Municipal and Private Water Works  
**Full Address:**  
**Full PDF Link:**

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**Site:** 1359443 Ontario Limited **Database:**  
Regional Road 107 Brampton ON M9W 6H6 **ECA**

**Approval No:** 1858-4XPRDJ **SWP Area Name:**  
**Status:** Approved **MOE District:**  
**Date:** 2001-06-19 **City:**  
**Record Type:** ECA **Latitude:**  
**Link Source:** IDS **Longitude:**  
**Project Type:** Municipal and Private Sewage Works  
**Approval Type:** ECA-Municipal and Private Sewage Works  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/0477-4XNN5S-14.pdf>

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**Site:** GO VACATIONS CANADA INC **Database:**  
HWY 7 BRAMPTON ON **EXP**

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**Site:** GREENSPOON BROS. LIMITED **Database:**  
HIGHWAY #7 R R # 8 BRAMPTON ON **OPCB**

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**Site:** GO VACATIONS CANADA INC **Database:**  
HWY 7 BRAMPTON ON **PRT**

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**Site:** 0 HIGHWAY 7 WEST (CHINGUACOUSY), BRAMPTON, ON L6X 0Y6 Brampton ON **Database:**  
**RSC**

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**Site:** Eagle Stone Ltd. **Database:**  
Highway 7 W RR 8 Brampton ON L6T 3Y7 **SCT**

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**Site:** Eagle Ornamental **Database:**  
Highway 7 W RR 8 Brampton ON L6T 3Y7 **SCT**

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**Site:** Daniel Contracting Ltd. **Database:**  
Bovaird Dr Brampton ON **SPL**

**Ref No:** 6635-7CLRRM **Site Address:**  
**Contaminant Name:** DIESEL FUEL **Site Conc:**  
**Contaminant Code:** 13 **Site Lot:**  
**Contaminant Limit 1:** **Site County/District:**  
**Contam. Limit Freq 1:** **Site Municipality:** Brampton  
**Contaminant UN No 1:** **Site Postal Code:**  
**Contaminant Qty:** 50 L **Sector Type:** Transport Truck  
**MOE Reported Dt:** 3/10/2008 **Source Type:**  
**Health/Env Conseq:** **Receiving Medium:**  
**Incident Dt:** **Receiving Env:**  
**Incident Cause:** Other Transport Accident **Environment Impact:** Not Anticipated  
**Incident Event:** **Nature of Impact:** Soil Contamination  
**Incident Reason:** Damage By Moving Equipment - Containers **SAC Action Class:** Land Spills  
**Incident Summary:** Spill: MVA 20 - 50 L diesel, contained.  
Brampton

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**Site:** TRIMAC  
HWY #7, AT PEEL BLOCK FUEL TANK AREA TANK TRUCK (CARGO) BRAMPTON CITY ON

**Database:**  
SPL

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**Site:** Liberty Line Haul Inc.<UNOFFICIAL>  
Bovaird Dr. east of Mississauga Rd. Brampton ON

**Database:**  
SPL

<b>Ref No:</b>	4535-7S2S66	<b>Site Address:</b>	
<b>Contaminant Name:</b>	OIL (PETROLEUM BASED, NOT SPECIFIED)	<b>Site Conc:</b>	
<b>Contaminant Code:</b>		<b>Site Lot:</b>	
<b>Contaminant Limit 1:</b>		<b>Site County/District:</b>	
<b>Contam. Limit Freq 1:</b>		<b>Site Municipality:</b>	Brampton
<b>Contaminant UN No 1:</b>		<b>Site Postal Code:</b>	
<b>Contaminant Qty:</b>	40 L	<b>Sector Type:</b>	Transport Truck
<b>MOE Reported Dt:</b>	5/14/2009	<b>Source Type:</b>	
<b>Health/Env Conseq:</b>		<b>Receiving Medium:</b>	
<b>Incident Dt:</b>		<b>Receiving Env:</b>	
<b>Incident Cause:</b>	Other Transport Accident	<b>Environment Impact:</b>	Possible
<b>Incident Event:</b>		<b>Nature of Impact:</b>	Soil Contamination
<b>Incident Reason:</b>	Spill	<b>SAC Action Class:</b>	Land Spills
<b>Incident Summary:</b>	Liberty Line Haul: 40L oil to grass ditch. Brampton		

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**Site:** Bovaird Dr Brampton ON

**Database:**  
SPL

<b>Ref No:</b>	2305-8SNW56	<b>Site Address:</b>	Bovaird Dr
<b>Contaminant Name:</b>	HYDROCARBON LIGHT	<b>Site Conc:</b>	
<b>Contaminant Code:</b>	13	<b>Site Lot:</b>	
<b>Contaminant Limit 1:</b>		<b>Site County/District:</b>	
<b>Contam. Limit Freq 1:</b>		<b>Site Municipality:</b>	Brampton
<b>Contaminant UN No 1:</b>		<b>Site Postal Code:</b>	
<b>Contaminant Qty:</b>		<b>Sector Type:</b>	Unknown
<b>MOE Reported Dt:</b>	23-MAR-12	<b>Source Type:</b>	
<b>Health/Env Conseq:</b>		<b>Receiving Medium:</b>	Sewage - Municipal/Private and Commercial
<b>Incident Dt:</b>	23-MAR-12	<b>Receiving Env:</b>	
<b>Incident Cause:</b>	Unknown	<b>Environment Impact:</b>	Confirmed
<b>Incident Event:</b>		<b>Nature of Impact:</b>	Surface Water Pollution
<b>Incident Reason:</b>		<b>SAC Action Class:</b>	Watercourse Spills
<b>Incident Summary:</b>	Sheen in Fletchers Creek		

# Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " \* " indicates that the database will no longer be updated. See the individual database description for more information.

## **Abandoned Aggregate Inventory:**

Provincial [AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.\*

**Government Publication Date: Sept 2002\***

## **Aggregate Inventory:**

Provincial [AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

**Government Publication Date: Up to Sep 2017**

## **Abandoned Mine Information System:**

Provincial [AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

**Government Publication Date: 1800-Nov 2016**

## **Anderson's Waste Disposal Sites:**

Private [ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1860s-Present**

## **Automobile Wrecking & Supplies:**

Private [AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

**Government Publication Date: 1999-May 2017**

## **Borehole:**

Provincial [BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

**Government Publication Date: 1875-Jul 2014**

## **Certificates of Approval:**

Provincial [CA](#)

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

**Government Publication Date: 1985-Oct 30, 2011\***

**Commercial Fuel Oil Tanks:**

Provincial [CFOT](#)

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

**Government Publication Date: Feb 28, 2017**

**Chemical Register:**

Private [CHEM](#)

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

**Government Publication Date: 1999-May 2017**

**Compressed Natural Gas Stations:**

Private [CNG](#)

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

**Government Publication Date: Dec 31, 2012**

**Inventory of Coal Gasification Plants and Coal Tar Sites:**

Provincial [COAL](#)

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.\*

**Government Publication Date: Apr 1987 and Nov 1988\***

**Compliance and Convictions:**

Provincial [CONV](#)

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

**Government Publication Date: 1989-Nov 2017**

**Certificates of Property Use:**

Provincial [CPU](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

**Government Publication Date: 1994-Oct 2017**

**Drill Hole Database:**

Provincial [DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

**Government Publication Date: 1886-Aug 2015**

**Environmental Activity and Sector Registry:**

Provincial [EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

**Government Publication Date: Oct 2011-Oct 2017**

**Environmental Registry:**

Provincial [EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

**Government Publication Date: 1994-Oct 2017**

**Environmental Compliance Approval:**

Provincial **ECA**

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

**Government Publication Date: Oct 2011-Oct 2017**

**Environmental Effects Monitoring:**

Federal **EEM**

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

**Government Publication Date: 1992-2007\***

**ERIS Historical Searches:**

Private **EHS**

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

**Government Publication Date: 1999-Aug 2016**

**Environmental Issues Inventory System:**

Federal **EIIS**

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

**Government Publication Date: 1992-2001\***

**Emergency Management Historical Event:**

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

**Government Publication Date: Dec 31, 2016**

**List of TSSA Expired Facilities:**

Provincial **EXP**

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

**Government Publication Date: Feb 28, 2017**

**Federal Convictions:**

Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

**Government Publication Date: 1988-Jun 2007\***

**Contaminated Sites on Federal Land:**

Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government.

**Government Publication Date: Jun 2000-Dec 2017**

**Fisheries & Oceans Fuel Tanks:**

Federal **FOFT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1964-Sep 2017**

**Fuel Storage Tank:**

Provincial **FST**

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

**Government Publication Date: Feb 28, 2017**

**Fuel Storage Tank - Historic:**

Provincial **FSTH**

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

**Government Publication Date: Pre-Jan 2010\***

**Ontario Regulation 347 Waste Generators Summary:**

Provincial **GEN**

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

**Government Publication Date: 1986-Jun 2017**

**Greenhouse Gas Emissions from Large Facilities:**

Federal **GHG**

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO<sub>2</sub> eq).

**Government Publication Date: 2013-Dec 2015**

**TSSA Historic Incidents:**

Provincial **HINC**

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**Government Publication Date: 2006-June 2009\***

**Indian & Northern Affairs Fuel Tanks:**

Federal **IAFT**

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1950-Aug 2003\***

**TSSA Incidents:**

Provincial **INC**

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**Government Publication Date: Feb 28, 2017**

**Landfill Inventory Management Ontario:**

Provincial **LIMO**

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

**Government Publication Date: Dec 31, 2013**

**Canadian Mine Locations:**

Private

MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

**Government Publication Date: 1998-2009\***

**Mineral Occurrences:**

Provincial

MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

**Government Publication Date: 1846-Feb 2017**

**National Analysis of Trends in Emergencies System (NATES):**

Federal

NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

**Government Publication Date: 1974-1994\***

**Non-Compliance Reports:**

Provincial

NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

**Government Publication Date: Dec 31, 2014**

**National Defense & Canadian Forces Fuel Tanks:**

Federal

NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

**Government Publication Date: Up to May 2001\***

**National Defense & Canadian Forces Spills:**

Federal

NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

**Government Publication Date: Mar 1999-Aug 2010**

**National Defence & Canadian Forces Waste Disposal Sites:**

Federal

NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

**Government Publication Date: 2001-Apr 2007\***

**National Energy Board Pipeline Incidents:**

Federal

NEBI

Locations of pipeline incidents from 2008 to present, made available by the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

**Government Publication Date: 2008-Dec 31, 2017**

**National Energy Board Wells:**

Federal

NEBW

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

**Government Publication Date: 1920-Feb 2003\***

**National Environmental Emergencies System (NEES):**

Federal

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

**Government Publication Date: 1974-2003\***

**National PCB Inventory:**

Federal

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

**Government Publication Date: 1988-2008\***

**National Pollutant Release Inventory:**

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

**Government Publication Date: 1993-May 2017**

**Oil and Gas Wells:**

Private

OGW

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at [www.nickles.com](http://www.nickles.com).

**Government Publication Date: 1988-Sep 2017**

**Ontario Oil and Gas Wells:**

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

**Government Publication Date: 1800-Oct 2017**

**Inventory of PCB Storage Sites:**

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

**Government Publication Date: 1987-Oct 2004; 2012-Dec 2013**

**Orders:**

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

**Government Publication Date: 1994-Oct 2017**

**Canadian Pulp and Paper:**

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

**Government Publication Date: 1999, 2002, 2004, 2005, 2009**

**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

**Government Publication Date: 1920-Jan 2005\***

**Pesticide Register:**

Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

**Government Publication Date: 1988-Aug 2017**

**TSSA Pipeline Incidents:**

Provincial PINC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

**Government Publication Date: Feb 28, 2017**

**Private and Retail Fuel Storage Tanks:**

Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

**Government Publication Date: 1989-1996\***

**Permit to Take Water:**

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

**Government Publication Date: 1994-Oct 2017**

**Ontario Regulation 347 Waste Receivers Summary:**

Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

**Government Publication Date: 1986-2016**

**Record of Site Condition:**

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

**Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2017**

**Retail Fuel Storage Tanks:**

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

**Government Publication Date: 1999-May 2017**

**Scott's Manufacturing Directory:**

Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

**Government Publication Date: 1992-Mar 2011\***

**Ontario Spills:**

Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

**Government Publication Date: 1988-Sep 2017**

**Wastewater Discharger Registration Database:**

Provincial **SRDS**

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

**Government Publication Date: 1990-Dec 31, 2016**

**Anderson's Storage Tanks:**

Private **TANK**

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1915-1953\***

**Transport Canada Fuel Storage Tanks:**

Federal **TCFT**

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

**Government Publication Date: 1970-Aug 2017**

**TSSA Variances for Abandonment of Underground Storage Tanks:**

Provincial **VAR**

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

**Government Publication Date: Feb 28, 2017**

**Waste Disposal Sites - MOE CA Inventory:**

Provincial **WDS**

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

**Government Publication Date: Oct 31, 2017**

**Waste Disposal Sites - MOE 1991 Historical Approval Inventory:**

Provincial **WDSH**

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

**Government Publication Date: Up to Oct 1990\***

**Water Well Information System:**

Provincial **WWIS**

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

**Government Publication Date: Mar 31, 2017**

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

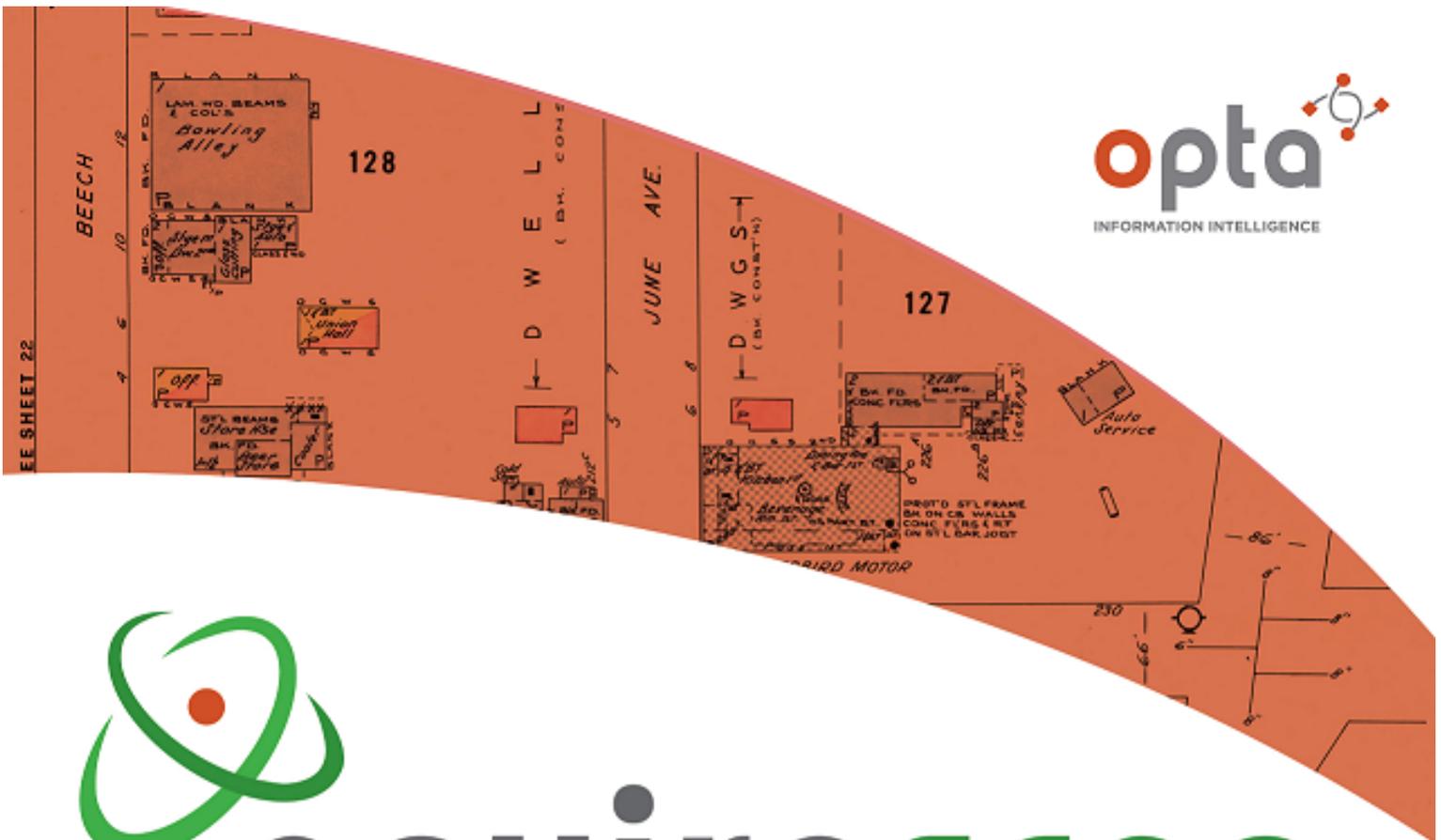
**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

# APPENDIX

## **B** RECORD SEARCH RESULTS

## APPENDIX

# ***B-1*** *INSURANCE PRODUCTS SEARCH*



# enviroscan



An SCM Company

175 Commerce Valley Drive W  
Markham, Ontario L3T 7Z3

T: 905-882-6300  
W: www.optaintel.ca

Report Completed By:  
**Catherine**

Site Address:

10124 Mississauga Rd Brampton ON

Project No:

20180412054

Opta Order ID:

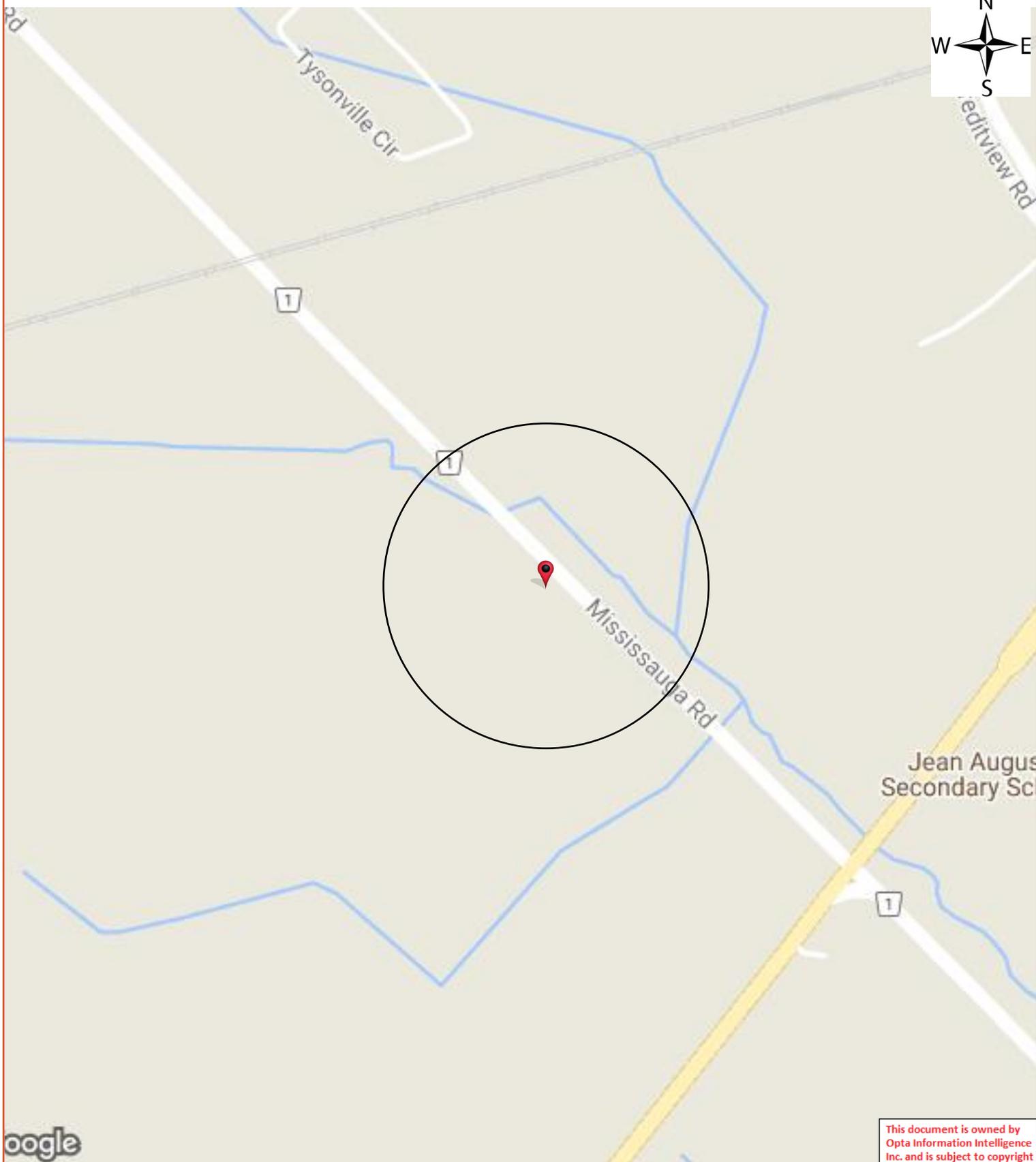
47876

Requested by:

Eleanor Goolab  
Eris

Date Completed:

4/13/2018 7:25:22 AM



# Opta Historical Environmental Services Enviroscan <sup>TM</sup> Terms and Conditions

## Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

## Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

## Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

## Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

## Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

**Page: 4**

Project Name: Brampton  
EastWest EA

Project #: 20180412054  
P.O. #: 1411540900 Phase 16

**ENVIROSCAN Report**

**No Records Found**

**Requested by:**  
Eleanor Goolab

Date Completed: 04/13/2018 07:25:22



OPTA INFORMATION INTELLIGENCE

**No Records Found**

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full Terms and Conditions at  
the front of this document.



## APPENDIX

# ***B-2*** *DIRECTORY SEARCH*

<b>City Directory Information Source</b>
Polk Halton Peel, Ontario Region Criss-Cross City Directory
Mights Suburban Metro Toronto, Ontario Criss-Cross City Directory
Might Brampton, Ontario City Directory
Bowers Metropolitan Toronto, Ontario City Directory

<b>PROJECT NUMBER:</b> 20180412054	
<b>Site Address:</b>	10124 Mississauga Road, Brampton, Ontario
<b>Year:</b> 2000	
<b>Site Listing:</b>	-Single Tenant Residential
<b>Adjacent Properties:</b>	
<b>10020 Mississauga Road</b>	-Apple Core Country Crafts -Scandinavian Select In The Apple Factory
<b>10024 Mississauga Road</b>	-Address Not Listed
<b>10179 Mississauga Road</b>	-Single Tenant Residential

<b>10244 Mississauga Road</b>	--Single Tenant Residential

<b>PROJECT NUMBER: 20180412054</b>	
<b>Site Address:</b>	10124 Mississauga Road, Brampton, Ontario
<b>Year: 1994</b>	
<b>Site Listing:</b>	--Single Tenant Residential
<b>Adjacent Properties:</b>	
<b>10020 Mississauga Road</b>	-Address Not Listed
<b>10024 Mississauga Road</b>	-Address Not Listed
<b>10179 Mississauga Road</b>	-Single Tenant Residential
<b>10244 Mississauga Road</b>	-Single Tenant Residential

<b>PROJECT NUMBER: 20180412054</b>	
<b>Site Address:</b>	10124 Mississauga Road, Brampton, Ontario
<b>Year: 1989</b>	
<b>Site Listing:</b>	-Address Not Listed

<b>Adjacent Properties:</b>	-Address Not Listed
<b>10020 Mississauga Road</b>	-Address Not Listed
<b>10024 Mississauga Road</b>	-Address Not Listed
<b>10179 Mississauga Road</b>	-Address Not Listed
<b>10244 Mississauga Road</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20180412054	
<b>Site Address:</b>	10124 Mississauga Road, Brampton, Ontario
<b>Year:</b> 1984	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>10020 Mississauga Road</b>	-Address Not Listed
<b>10024 Mississauga Road</b>	-Address Not Listed
<b>10179 Mississauga Road</b>	-Address Not Listed
<b>10244 Mississauga Road</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20180412054	
<b>Site Address:</b>	10124 Mississauga Road, Brampton, Ontario
<b>Year:</b> 1978	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>10020 Mississauga Road</b>	-Address Not Listed
<b>10024 Mississauga Road</b>	-Address Not Listed
<b>10179 Mississauga Road</b>	-Address Not Listed
<b>10244 Mississauga Road</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20180412054	
<b>Site Address:</b>	10124 Mississauga Road, Brampton, Ontario
<b>Year:</b> 1973	
<b>Site Listing:</b>	-Address Not Listed

<b>Adjacent Properties:</b>	
<b>10020 Mississauga Road</b>	-Address Not Listed
<b>10024 Mississauga Road</b>	-Address Not Listed
<b>10179 Mississauga Road</b>	-Address Not Listed
<b>10244 Mississauga Road</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20180412054	
<b>Site Address:</b>	10124 Mississauga Road, Brampton, Ontario
<b>Year:</b> 1967	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>10020 Mississauga Road</b>	-Address Not Listed
<b>10024 Mississauga Road</b>	-Address Not Listed
<b>10179 Mississauga Road</b>	-Address Not Listed
<b>10244 Mississauga Road</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20180412054	
<b>Site Address:</b>	10124 Mississauga Road, Brampton, Ontario
<b>Year:</b> 1959	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>10020 Mississauga Road</b>	-Address Not Listed
<b>10024 Mississauga Road</b>	-Address Not Listed
<b>10179 Mississauga Road</b>	-Address Not Listed
<b>10244 Mississauga Road</b>	-Address Not Listed

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory

## APPENDIX

### ***B-3*** CHAIN OF TITLE

**EAST  
OF  
MISSISSAUGA  
ROAD**

CHAIN OF TITLE REPORT

Project # 141-15409-00 Subphase 16  
 Address: w/s Lagerfeld Drive, Brampton  
 Legal Description: Block 5 Plan 43M1927

Searched at: Brampton  
 LRO #: 43

PIN# 14364-2225(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	26 04 1822	Crown	Peter LAWRENCE
8093	Deed	16 07 1831	Peter Lawrence	David McCLURE
14676	Deed	27 11 1922	David McClure - Estate	Thomas H. ELLIOTT
20729	Deed	02 11 1948	Thomas H. Elliott	Oscar E. McCLURE & Robert R. McCLURE
CH22005	Deed	15 04 1952	Oscar E. McClure & Robert R. McClure	Harold McCLURE
PR458580	Deed	30 06 2003	Harold McClure - Estate	Mattamy (Credit River) Limited
PR2285727	Easement	25 10 2012	Mattamy (Credit River) Limited	The Regional Municipality of Peel
PR2285736	Easement	25 10 2012	Mattamy (Credit River) Limited	The Regional Municipality of Peel
PR2366810	Easement	09 05 2013	Mattamy (Credit River) Limited	Hydro One Brampton Networks Inc.
PR2366811	Deed (Present Owner)	09 05 2013	Mattamy (Credit River) Limited	The Corporation of The City of Brampton

**PROPERTY DESCRIPTION:** BLOCK 5, PLAN 43M1927; SUBJECT TO AN EASEMENT AS IN PR2285727; SUBJECT TO AN EASEMENT AS IN PR2285736; CITY OF BRAMPTON

**PROPERTY REMARKS:** FOR THE PURPOSE OF THE QUALIFIER THE DATE OF REGISTRATION OF ABSOLUTE TITLE IS 2007/10/04.

**ESTATE/QUALIFIER:**  
FEE SIMPLE  
LT ABSOLUTE PLUS

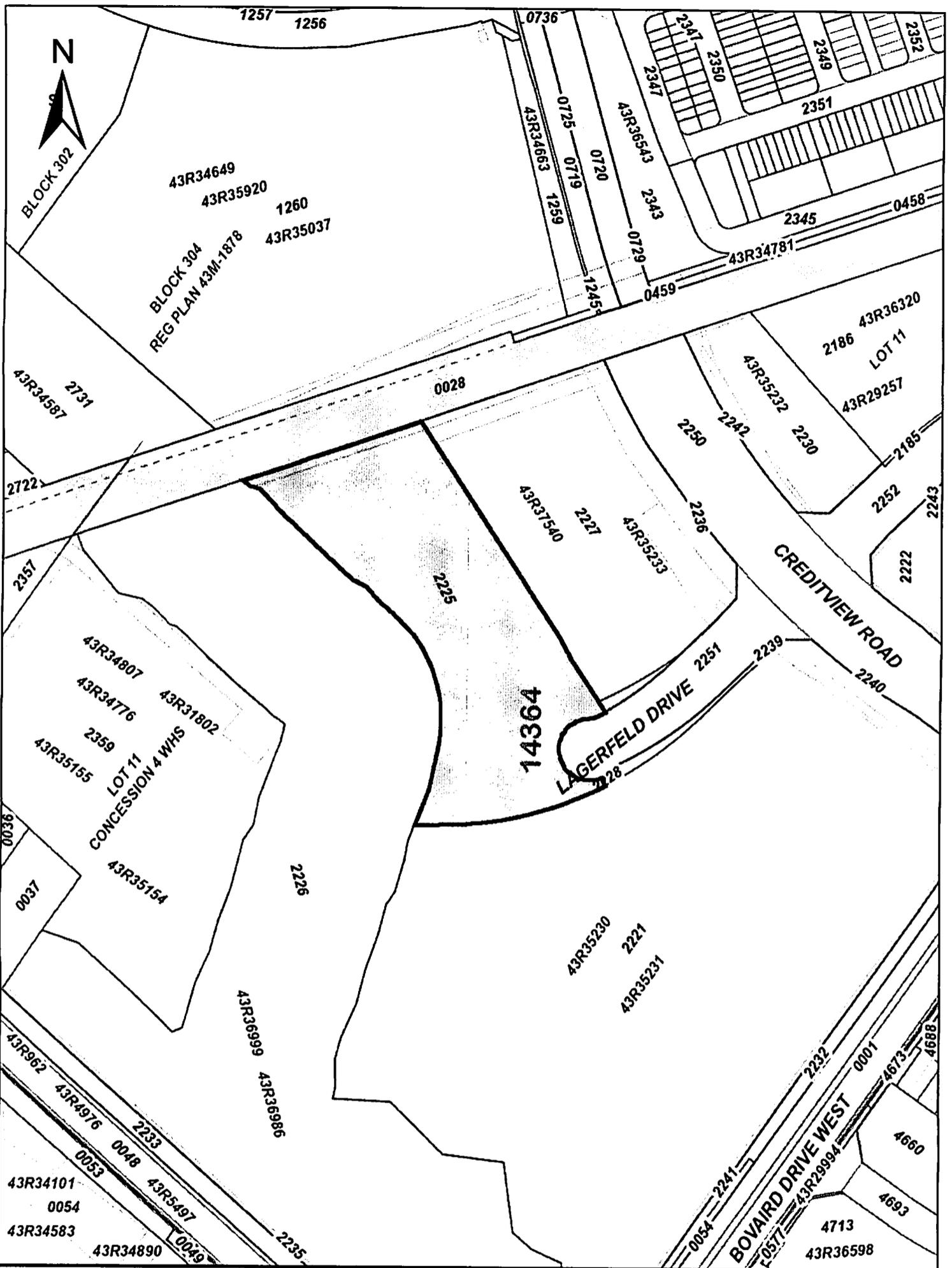
**RECENTLY:**  
SUBDIVISION FROM 14364-2220

**PIN CREATION DATE:**  
2013/05/15

**OWNERS' NAMES**  
THE CORPORATION OF THE CITY OF BRAMPTON

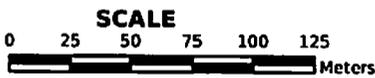
**CAPACITY SHARE**

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2013/05/15 **						
**SUBJECT TO SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPHS 3 AND 14 AND *						
** PROVINCIAL SUCCESSION DUTIES AND EXCEPT PARAGRAPH 11 AND ESCHEATS OR FORFEITURE **						
** TO THE CROWN UP TO THE DATE OF REGISTRATION WITH AN ABSOLUTE TITLE. **						
PR2285726	2012/10/25	NOTICE		MATTAMY (CREDIT RIVER) LIMITED ASHWID DEVELOPMENTS INC.	THE REGIONAL MUNICIPALITY OF PEEL	C
PR2285727	2012/10/25	TRANSFER EASEMENT	\$2	MATTAMY (CREDIT RIVER) LIMITED ASHWID DEVELOPMENTS INC.	THE REGIONAL MUNICIPALITY OF PEEL	C
PR2285736	2012/10/25	TRANSFER EASEMENT	\$2	MATTAMY (CREDIT RIVER) LIMITED	THE REGIONAL MUNICIPALITY OF PEEL	C
43M1927	2013/04/25	PLAN SUBDIVISION				C
PR2366806	2013/05/09	NO SUB AGREEMENT		THE CORPORATION OF THE CITY OF BRAMPTON THE REGIONAL MUNICIPALITY OF PEEL	MATTAMY (CREDIT RIVER) LIMITED	C
REMARKS: SEE DOCUMENT FOR DESCRIPTION OF THE LANDS						
PR2366811	2013/05/09	TRANSFER		MATTAMY (CREDIT RIVER) LIMITED	THE CORPORATION OF THE CITY OF BRAMPTON	C
43R35920	2014/05/15	PLAN REFERENCE				C



**ServiceOntario**

PRINTED ON 13 FEB, 2018 AT 13:30:02 FOR D.B.



**PROPERTY INDEX MAP**  
PEEL(No. 43)

**LEGEND**

- FREEHOLD PROPERTY
- LEASEHOLD PROPERTY
- LIMITED INTEREST PROPERTY
- CONDOMINIUM PROPERTY
- RETIRED PIN (MAP UPDATE PENDING)
- PROPERTY NUMBER
- BLOCK NUMBER
- GEOGRAPHIC FABRIC EASEMENT

**THIS IS NOT A PLAN OF SURVEY**

**NOTES**

- REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS
- THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY
- FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS
- ONLY MAJOR EASEMENTS ARE SHOWN
- REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED



CHAIN OF TITLE REPORT

Project # 141-15409-00 Subphase 16  
 Address: e/s Mississauga Rd, Brampton  
 Legal Description: Block 6 Plan 43M1927

Searched at: Brampton  
 LRO #: 43

PIN# 14364-2226(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	26 04 1822	Crown	Peter LAWRENCE
8093	Deed	16 07 1831	Peter Lawrence	David McCLURE
14676	Deed	27 11 1922	David McClure - Estate	Thomas H. ELLIOTT
20729	Deed	02 11 1948	Thomas H. Elliott	Oscar E. McCLURE & Robert R. McCLURE
CH22005	Deed	15 04 1952	Oscar E. McClure & Robert R. McClure	Harold McCLURE
PR458580	Deed	30 06 2003	Harold McClure - Estate	Mattamy (Credit River) Limited
PR2285727	Easement	25 10 2012	Mattamy (Credit River) Limited	The Regional Municipality of Peel
PR2366810	Easement	09 05 2013	Mattamy (Credit River) Limited	Hydro One Brampton Networks Inc.
PR2366811	Deed (Present Owner)	09 05 2013	Mattamy (Credit River) Limited	The Corporation of The City of Brampton
PR2935542	Easement	23 06 2016	The Corporation of The City of Brampton	The Regional Municipality of Peel

\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

**PROPERTY DESCRIPTION:** BLOCK 6, PLAN 43M1927; SUBJECT TO AN EASEMENT AS IN PR2285727; SUBJECT TO AN EASEMENT IN GROSS OVER PTS 8, 9 & 10 PL 43R35230 AS IN PR2366810; SUBJECT TO AN EASEMENT IN GROSS OVER PTS 2, 3 PL 43R-36999 AS IN PR2935542; CITY OF BRAMPTON

**PROPERTY REMARKS:** FOR THE PURPOSE OF THE QUALIFIER THE DATE OF REGISTRATION OF ABSOLUTE TITLE IS 2007/10/04.

**ESTATE/QUALIFIER:**  
FEE SIMPLE  
LT ABSOLUTE PLUS

**RECENTLY:**  
SUBDIVISION FROM 14364-2220

**PIN CREATION DATE:**  
2013/05/15

**OWNERS' NAMES**  
THE CORPORATION OF THE CITY OF BRAMPTON

**CAPACITY SHARE**

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2013/05/15 **						
**SUBJECT TO SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPHS 3 AND 14 AND *						
** PROVINCIAL SUCCESSION DUTIES AND EXCEPT PARAGRAPH 11 AND ESCHEATS OR FORFEITURE **						
** TO THE CROWN UP TO THE DATE OF REGISTRATION WITH AN ABSOLUTE TITLE. **						
PR2285726	2012/10/25	NOTICE		MATTAMY (CREDIT RIVER) LIMITED ASHWID DEVELOPMENTS INC.	THE REGIONAL MUNICIPALITY OF PEEL	C
PR2285727	2012/10/25	TRANSFER EASEMENT	\$2	MATTAMY (CREDIT RIVER) LIMITED ASHWID DEVELOPMENTS INC.	THE REGIONAL MUNICIPALITY OF PEEL	C
43M1927	2013/04/25	PLAN SUBDIVISION				C
43R35230	2013/04/29	PLAN REFERENCE				C
PR2366806	2013/05/09	NO SUB AGREEMENT		THE CORPORATION OF THE CITY OF BRAMPTON THE REGIONAL MUNICIPALITY OF PEEL	MATTAMY (CREDIT RIVER) LIMITED	C
REMARKS: SEE DOCUMENT FOR DESCRIPTION OF THE LANDS						
PR2366810	2013/05/09	TRANSFER EASEMENT		MATTAMY (CREDIT RIVER) LIMITED	HYDRO ONE BRAMPTON NETWORKS INC.	C
PR2366811	2013/05/09	TRANSFER		MATTAMY (CREDIT RIVER) LIMITED	THE CORPORATION OF THE CITY OF BRAMPTON	C
43R36986	2016/02/04	PLAN REFERENCE				C
43R36999	2016/02/18	PLAN REFERENCE				C
PR2935542	2016/06/23	TRANSFER EASEMENT	\$2	THE CORPORATION OF THE CITY OF BRAMPTON	THE REGIONAL MUNICIPALITY OF PEEL	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



CHAIN OF TITLE REPORT

Project # 141-15409-00 Subphase 16  
 Address: Lagerfeld Drive, Brampton  
 Legal Description: Lagerfeld Dr Lying Adjacent to Reserve Blks 16-19, Plan 43M1927

Searched at: Brampton  
 LRO #: 43

Page 1

PIN# 14364-2251 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	26 04 1822	Crown	Peter LAWRENCE
8093	Deed	16 07 1831	Peter Lawrence	David McCLURE
14676	Deed	27 11 1922	David McClure - Estate	Thomas H. ELLIOTT
20729	Deed	02 11 1948	Thomas H. Elliott	Oscar E. McCLURE & Robert R. McCLURE
CH22005	Deed	15 04 1952	Oscar E. McClure & Robert R. McClure	Harold McCLURE
466741	Deed (Pt 1 43R5746)	08 03 1978	Harold McClure	Isabelle Grierson McCLURE
PR458580	Deed	30 06 2003	Harold McClure - Estate	Mattamy (Credit River) Limited
PR458593	Deed	30 06 2003	Isabelle Grierson McClure	Mattamy (Credit River) Limited
PR2258827	Easement	25 10 2012	Mattamy (Credit River) Limited	The Regional Municipality of Peel

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project # 141-15409-00 Subphase 16  
 Address: Lagerfeld Drive, Brampton  
 Legal Description: Lagerfeld Dr Lying Adjacent to Reserve Blks 16-19, Plan 43M1927

Searched at: Brampton  
 LRO #: 43

Page 2

PIN# 14364-2251 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
PR2285731	Easement	25 10 2012	Mattamy (Credit River) Limited	The Regional Municipality of Peel
PR2285736	Easement	25 10 2012	Mattamy (Credit River) Limited	The Regional Municipality of Peel
PR2366811	Deed (Present Owner)	09 05 2013	Mattamy (Credit River) Limited	The Corporation of The City of Brampton

\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

**PROPERTY DESCRIPTION:** LAGERFELD DRIVE LYING ADJACENT TO RESERVE BLKS 16 TO 19, PLAN 43M1927; SUBJECT TO AN EASEMENT AS IN PR2285727; SUBJECT TO AN EASEMENT AS IN PR2285736; SUBJECT TO AN EASEMENT AS IN PR2285731; CITY OF BRAMPTON

**PROPERTY REMARKS:** FOR THE PURPOSE OF THE QUALIFIER THE DATE OF REGISTRATION OF ABSOLUTE TITLE IS 2007/10/04.

**ESTATE/QUALIFIER:**  
FEE SIMPLE  
LT ABSOLUTE PLUS

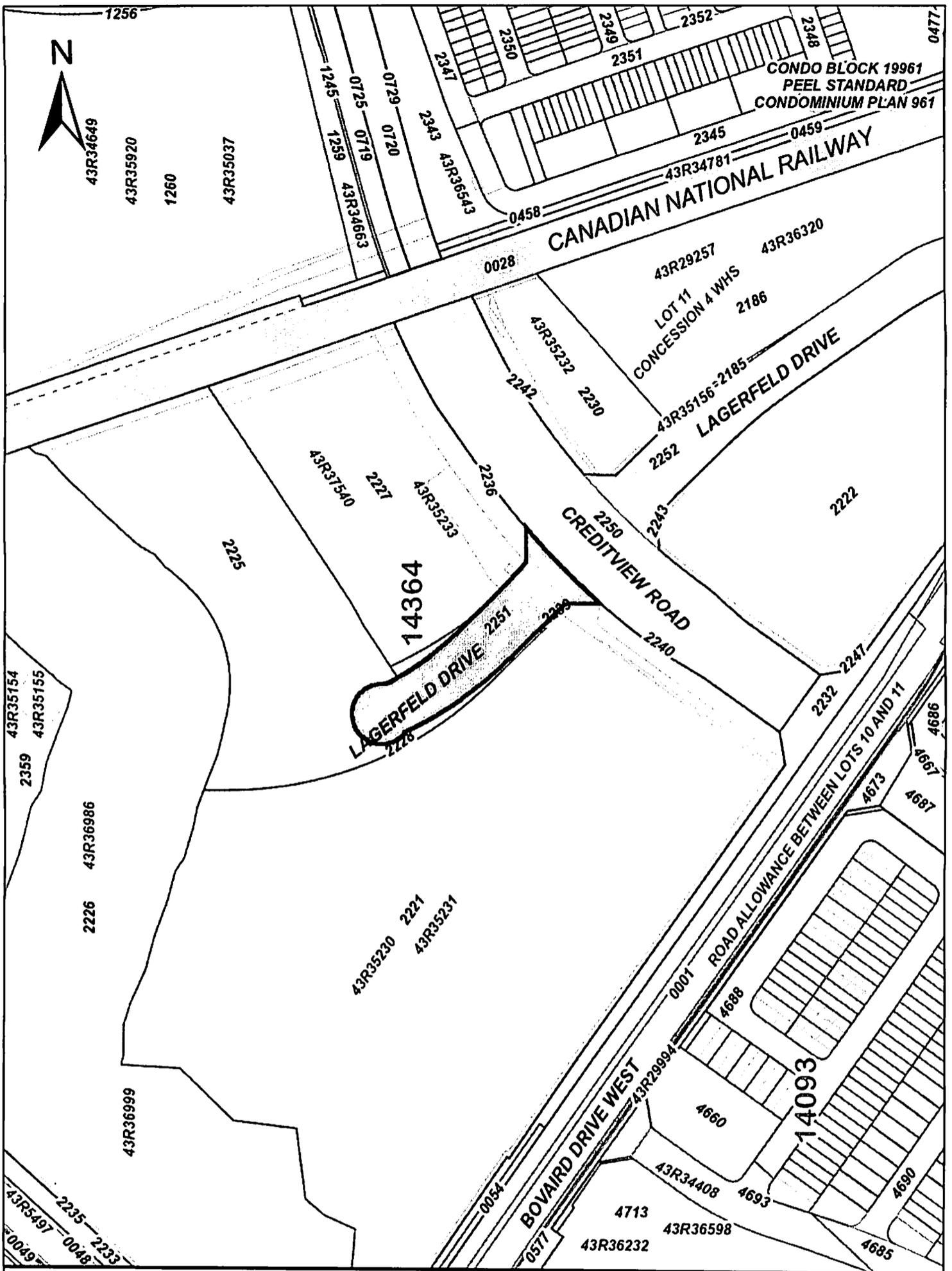
**RECENTLY:**  
SUBDIVISION FROM 14364-2220

**PIN CREATION DATE:**  
2013/05/15

**OWNERS' NAMES**  
THE CORPORATION OF THE CITY OF BRAMPTON

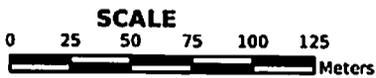
**CAPACITY SHARE**

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2013/05/15 **						
**SUBJECT TO SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPHS 3 AND 14 AND *						
** PROVINCIAL SUCCESSION DUTIES AND EXCEPT PARAGRAPH 11 AND ESCHEATS OR FORFEITURE **						
** TO THE CROWN UP TO THE DATE OF REGISTRATION WITH AN ABSOLUTE TITLE. **						
PR2285726	2012/10/25	NOTICE		MATTAMY (CREDIT RIVER) LIMITED ASHWID DEVELOPMENTS INC.	THE REGIONAL MUNICIPALITY OF PEEL	C
PR2285727	2012/10/25	TRANSFER EASEMENT	\$2	MATTAMY (CREDIT RIVER) LIMITED ASHWID DEVELOPMENTS INC.	THE REGIONAL MUNICIPALITY OF PEEL	C
PR2285731	2012/10/25	TRANSFER EASEMENT	\$2	MATTAMY (CREDIT RIVER) LIMITED	THE REGIONAL MUNICIPALITY OF PEEL	C
PR2285734	2012/10/25	TRANSFER EASEMENT		*** DELETED AGAINST THIS PROPERTY *** MATTAMY (CREDIT RIVER) LIMITED	THE REGIONAL MUNICIPALITY OF PEEL	
PR2285736	2012/10/25	TRANSFER EASEMENT	\$2	MATTAMY (CREDIT RIVER) LIMITED	THE REGIONAL MUNICIPALITY OF PEEL	C
43M1927	2013/04/25	PLAN SUBDIVISION				C
PR2704929	2015/04/30	TRANSFER REL&ABAND		*** COMPLETELY DELETED *** THE REGIONAL MUNICIPALITY OF PEEL	MATTAMY (CREDIT RIVER) LIMITED THE CORPORATION OF THE CITY OF BRAMPTON	
REMARKS: PR2285734.						



**ServiceOntario**

PRINTED ON 13 FEB, 2018 AT 13:32:51  
FOR D.B.



**PROPERTY INDEX MAP**  
PEEL(No. 43)

**LEGEND**

- FREEHOLD PROPERTY
- LEASEHOLD PROPERTY
- LIMITED INTEREST PROPERTY
- CONDOMINIUM PROPERTY
- RETIRED PIN (MAP UPDATE PENDING)
- PROPERTY NUMBER 0449
- BLOCK NUMBER 08050
- GEOGRAPHIC FABRIC
- EASEMENT

**NOTES**

- REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS
- THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY
- FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS
- ONLY MAJOR EASEMENTS ARE SHOWN
- REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

**THIS IS NOT A PLAN OF SURVEY**



CHAIN OF TITLE REPORT

Project # 141-15409-00 Subphase 16  
 Address: n/s Mississauga Road, Brampton  
 Legal Part Lot 11 Con 4 WHS (Ching)  
 Description: Desig Part 3 Plan 43R-31802  
S & E PI 43M-1927 Pts 8-11 43R-35154  
 PIN# 14364-2359 (LT)

Searched at: Brampton  
 LRO #: 43

Page 1

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	27 06 1853	Crown	James CLARKE
13988	Deed	22 12 1865	James Clarke	John McCLURE
14676	Deed	27 11 1922	John McClure - Estate	Thomas ELLIOTT
CH19167	Deed	28 04 1943	John McClure - Estate	Harold Francis McCLURE
20729	Deed	02 11 1948	Thomas Elliott	Oscar McCLURE & Robert McCLURE
CH22005	Deed	15 04 1952	Oscar McClure & Robert McClure	Harold McCLURE
PR455631	Deed	26 06 2003	Harold McClure - Estate Harold Francis McClure - Estate	Robert Arthur McCLURE Murray Stuart McCLURE Margaret Anne GLENN
PR458580	Deed (Present Owner)	30 06 2003	Robert Arthur McClure Murray Stuart McClure Margaret Anne Glenn	<b>Mattamy (Credit River) Limited</b>
PR2285727	Easement	25 10 2012	Mattamy (Credit River) Limited	The Regional Municipality of Peel

Cont'd on Page 2

CHAIN OF TITLE REPORT

**Project #** 141-15409-00 Subphase 16  
**Address:** n/s Mississauga Road, Brampton  
**Legal** Part Lot 11 Con 4 WHS (Ching)  
**Description:** Desig Part 3 Plan 43R-31802  
S & E PI 43M-1927 Pts 8-11 43R-35154  
**PIN#** 14364-2359 (LT)

**Searched at:** Brampton  
**LRO #:** 43

Page 2

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
PR2285736	Easement	25 10 2012	Mattamy (Credit River) Limited	The Regional Municipality of Peel
PR2420086	Easement	21 08 2013	Mattamy (Credit River) Limited	The Regional Municipality of Peel

LAND  
 REGISTRY  
 OFFICE #43

14364-2359 (LT)

\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

**PROPERTY DESCRIPTION:** PT LT 11 CON 4 WHS (CHING) DES PT 3 PL 43R-31802, SAVE AND EXCEPT PL 43M-1927 AND PTS 8, 9, 10, 11 PL 43R-35154; SUBJECT TO AN EASEMENT IN GROSS OVER PT 9 PL 43R-35155 AS IN PR2285727; SUBJECT TO AN EASEMENT IN GROSS OVER PT 13 PL 43R-35154 AS IN PR2285736; SUBJECT TO AN EASEMENT IN GROSS OVER PTS 12, 13 PL 43R-35154 AS IN PR2420086; CITY OF BRAMPTON

**PROPERTY REMARKS:** FOR THE PURPOSE OF THE QUALIFIER THE DATE OF REGISTRATION OF ABSOLUTE TITLE IS 2007/10/04.

**ESTATE/QUALIFIER:**  
 FEE SIMPLE  
 LT ABSOLUTE PLUS

**RECENTLY:**  
 DIVISION FROM 14364-2219

**PIN CREATION DATE:**  
 2013/08/30

**OWNERS' NAMES**  
 MATTAMY (CREDIT RIVER) LIMITED

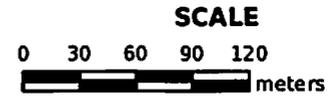
**CAPACITY SHARE**  
 ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2013/08/30 **						
**SUBJECT TO SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPHS 3 AND 14 AND *						
** PROVINCIAL SUCCESSION DUTIES AND EXCEPT PARAGRAPH 11 AND ESCHEATS OR FORFEITURE **						
** TO THE CROWN UP TO THE DATE OF REGISTRATION WITH AN ABSOLUTE TITLE. **						
PR458580	2003/06/30	TRANS PERSONAL REP	\$12,256,916	MCCLURE, ROBERT ARTHUR MCCLURE, MURRAY STUART GLENN, MARGARET ANNE	MATTAMY (CREDIT RIVER) LIMITED	C
REMARKS: PLANNING ACT STATEMENTS						
PR701268	2004/08/20	CHARGE	\$40,000,000	MATTAMY (CREDIT RIVER) LIMITED	THE COLUMBUS FUNDING LIMITED	C
43R31802	2007/10/04	PLAN REFERENCE				C
PR1348983	2007/10/04	APL ABSOLUTE TITLE		MATTAMY (CREDIT RIVER) LIMITED	MATTAMY (CREDIT RIVER) LIMITED	C
43R34776	2012/08/02	PLAN REFERENCE				C
43R34807	2012/08/17	PLAN REFERENCE				C
PR2285726	2012/10/25	NOTICE		MATTAMY (CREDIT RIVER) LIMITED ASHWID DEVELOPMENTS INC.	THE REGIONAL MUNICIPALITY OF PEEL	C
PR2285727	2012/10/25	TRANSFER EASEMENT	\$2	MATTAMY (CREDIT RIVER) LIMITED ASHWID DEVELOPMENTS INC.	THE REGIONAL MUNICIPALITY OF PEEL	C
PR2285728	2012/10/25	POSTPONEMENT		THE COLUMBUS FUNDING LIMITED	THE REGIONAL MUNICIPALITY OF PEEL	C
REMARKS: PR701268 TO PR2285727						
PR2285736	2012/10/25	TRANSFER EASEMENT	\$2	MATTAMY (CREDIT RIVER) LIMITED	THE REGIONAL MUNICIPALITY OF PEEL	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
PR2285737	2012/10/25	POSTPONEMENT REMARKS: PR701268 TO PR2285736		THE COLUMBUS FUNDING LIMITED	THE REGIONAL MUNICIPALITY OF PEEL	C
43R35154	2013/03/19	PLAN REFERENCE				C
43R35155	2013/03/19	PLAN REFERENCE				C
PR2366806	2013/05/09	NO SUB AGREEMENT REMARKS: SEE DOCUMENT FOR DESCRIPTION OF THE LANDS		THE CORPORATION OF THE CITY OF BRAMPTON THE REGIONAL MUNICIPALITY OF PEEL	MATTAMY (CREDIT RIVER) LIMITED	C
PR2366813	2013/05/09	POSTPONEMENT REMARKS: PR701268 TO PR2366806 SEE DOCUMENT FOR THE DESCRIPTION OF THE LANDS		THE COLUMBUS FUNDING LIMITED	THE CORPORATION OF THE CITY OF BRAMPTON THE REGIONAL MUNICIPALITY OF PEEL	C
PR2389565	2013/06/26	APL ANNEX REST COV REMARKS: TEN (10) YEARS FROM 2013/06/26 PTS 5, 6, 7, 8, 9, PL 43R35155		MATTAMY (CREDIT RIVER) LIMITED		C
PR2389662	2013/06/27	APL ANNEX REST COV REMARKS: PTS 5, 6, 7, 8 & 9, PL 43R35155		MATTAMY (CREDIT RIVER) LIMITED		C
PR2420086	2013/08/21	TRANSFER EASEMENT	\$2	MATTAMY (CREDIT RIVER) LIMITED	THE REGIONAL MUNICIPALITY OF PEEL	C
PR2420087	2013/08/21	POSTPONEMENT REMARKS: PR701268 TP PR2420086		THE COLUMBUS FUNDING LIMITED	THE REGIONAL MUNICIPALITY OF PEEL	C
PR2434317	2013/09/18	POSTPONEMENT REMARKS: PR701268 TO PR2389565 AS TO PTS 5, 6, 7, 8 & 9, PLAN 43R-35155		THE COLUMBUS FUNDING LIMITED	BOVAIRD WEST HOLDINGS INC. CANADIAN PROPERTY HOLDINGS (ONTARIO) INC.	C

PRINTED ON 20 APR, 2018 AT 15:19:04  
FOR BERTUCCI1



## PROPERTY INDEX MAP

PEEL(No. 43)

### LEGEND

- FREEHOLD PROPERTY
- LEASEHOLD PROPERTY
- LIMITED INTEREST PROPERTY
- CONDOMINIUM PROPERTY
- RETIRED PIN (MAP UPDATE PENDING)
- PROPERTY NUMBER 0449
- BLOCK NUMBER 08050
- GEOGRAPHIC FABRIC
- EASEMENT

**THIS IS NOT A PLAN OF SURVEY**

### NOTES

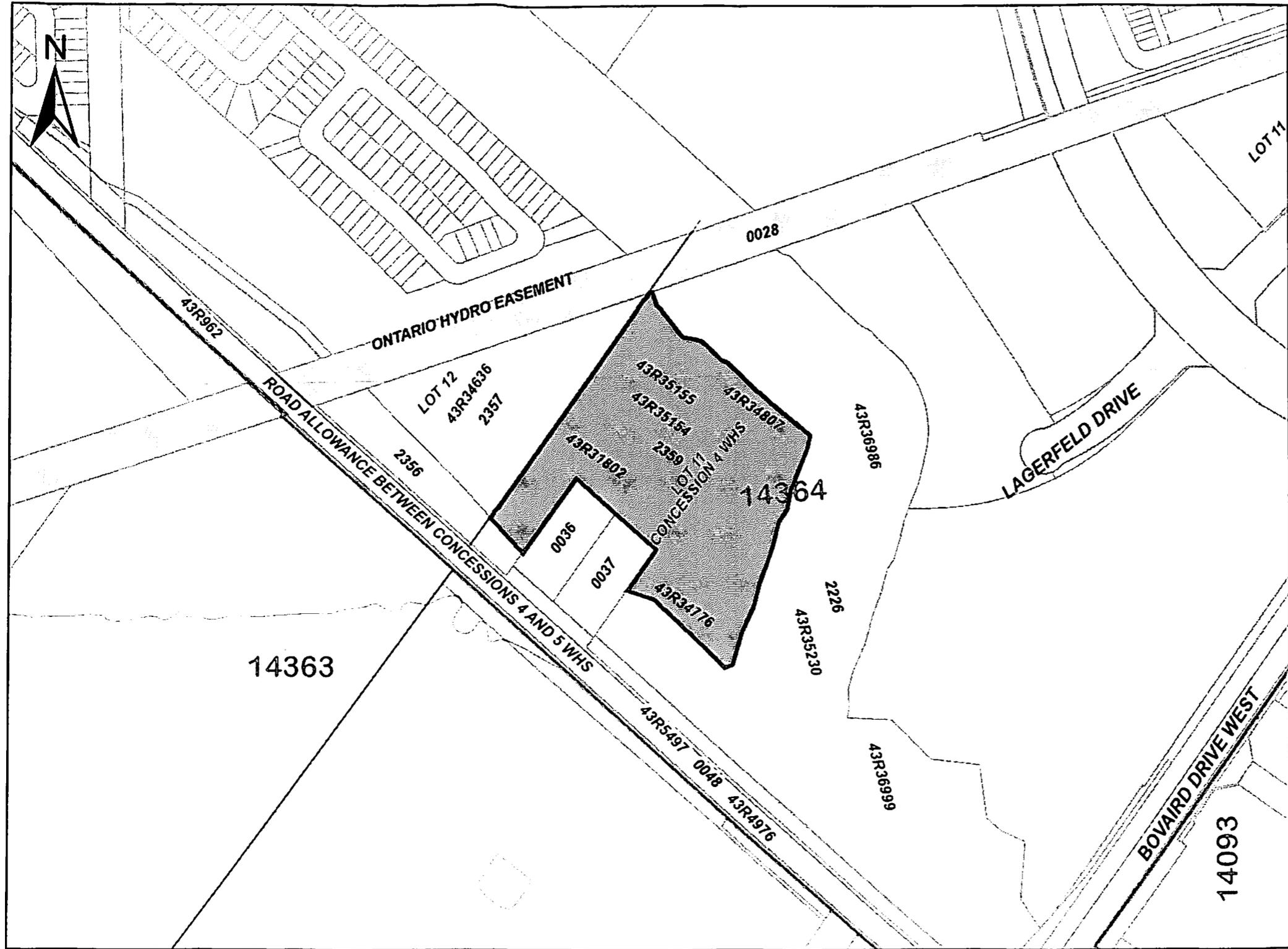
REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED



**WEST  
OF  
MISSISSAUGA  
ROAD**

CHAIN OF TITLE REPORT

Project #: 141-15409-00 subphase 16  
 Address: s/s Mississauga Rd., Brampton  
 Legal: Part lot 12 Con 5 WHS (Ching)  
 Description: desig. As Parts 1-3, 43R18296

Searched at: Brampton  
 LRO #: 43

Page 1

PIN #: 14363-0028(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	27 06 1853	Crown	James CLARKE
13988	Deed	22 12 1865	James Clarke	John MCCLURE
9640	Deed	08 04 1904	John McClure	Henry CATION
10369	Deed	07 05 1907	Henry Cation	John POYNTZ
12980	Deed	16 04 1917	John Poyntz	Clarence DOLSON
13429	Deed	12 03 1919	Clarence Dolson	Arthur FAGAN
15259	Deed	05 11 1924	Arthur Fagan	Herbert ADAMS
24489	Deed	12 09 1956	Herbert Adams	Keith MONKMAN & Catherine MONKMAN
24766	Deed	31 01 1957	Keith & Catherine Monkman	Jean CRICHTON & Lloyd CRICHTON

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: 141-15409-00 subphase 16  
 Address: s/s Mississauga Rd., Brampton  
 Legal: Part lot 12 Con 5 WHS (Ching)  
 Description: desig. As Parts 1-3, 43R18296  
 PIN #: 14363-0028(LT)

Searched at: Brampton  
 LRO #: 43

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
CH25602	Easement	31 03 1958	Jean & Lloyd Crichton	Trans-Canada Pipe Lines Limited
33934	Deed	01 05 1964	Jean & Lloyd Crichton	John CRAWFORD
680355	Deed	11 05 1984	John Crawford	Donald Lloyd CRAWFORD
RO962293	Deed	08 02 1991	Donald Lloyd Crawford	John Laidlaw CRAWFORD Donald Lloyd CRAWFORD
PR1126212	Deed	28 08 2006	John Laidlaw Crawford Donald Lloyd Crawford	John Laidlaw CRAWFORD Donald Lloyd CRAWFORD Carolyn Barbara CRAWFORD Mary Gladys CRAWFORD
PR1239352	Deed (Present Owner)	10 04 2007	John Laidlaw Crawford Donald Lloyd Crawford Carolyn Barbara Crawford Mary Gladys Crawford	Heathwood Homes (Brampton) Limited
PR2253823	Easement	24 08 2012	Heathwood Homes (Brampton) Limited	Transcanada Pipelines Limited

**PROPERTY DESCRIPTION:** PT LT 12 CON 5 WHS CHINGUACOUSY DES PTS 1, 2, 3 PL 43R-18296; S/T CH25602 AS AMENDED BY PL CH28204;; SUBJECT TO AN EASEMENT OVER PT 3, PL 43R34583 IN FAVOUR OF TRANSCANADA PIPELINES LIMITED AS IN PR2253823; CITY OF BRAMPTON

**PROPERTY REMARKS:**

**ESTATE/QUALIFIER:**  
FEE SIMPLE  
LT CONVERSION QUALIFIED

**RECENTLY:**  
RE-ENTRY FROM 14254-0281

**PIN CREATION DATE:**  
2004/06/14

**OWNERS' NAMES**  
HEATHWOOD HOMES (BRAMPTON) LIMITED

**CAPACITY SHARE**

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2004/06/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 1999/02/23 **						
CH25602	1958/03/31	TRANSFER EASEMENT			TRANS-CANADA PIPE LINES LIMITED	C
CH27553	1960/04/22	DEED TRUST MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
REMARKS: DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 25						
CH27653	1960/05/30	DEED TRUST MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
REMARKS: DELETED FROM 14242 0320 BY VMIKLLOSKA 2003 11 25						
CH28204	1960/11/07	PLAN MISCELLANEOUS				C
CH32052	1963/05/06	DEED TRUST MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
REMARKS: DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 25						
CH36273	1965/05/17	DEED TRUST MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
				REMARKS: DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 25		
VS53412	1967/10/03	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	
				REMARKS: "MULTI - ADDED 99/11/22 BY C. COOPER" DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26		
VS215205	1972/06/19	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	
				REMARKS: "MULTI - ADDED 99/11/22 BY C. COOPER" DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26		
VS256501	1973/04/12	CHARGE		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	
				REMARKS: "SUPPLEMENTAL INDENTURE TO DEED OF TRUST & MORTGAGE; MULTI - ADDED 99/11/24 BY C. COOPER" DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26		
RO580339	1981/06/04	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	
				REMARKS: 4,508,106,000 U.S FUNDS : "4,508,106,000 U.S. FUNDS, AMENDED TO 468,106,000 U.S. FUNDS", 97/07/16, S. DARKEVICS. ; "MULTI - ADDED 99/11/24 BY C. COOPER" DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26		
				CORRECTIONS: PARTY TO NAME CHANGED FROM NATIONAL TRUST CO. LTD TO NATIONAL TRUST COMPANY, LIMITED ON 2011/12/19 BY COOPER, CLAIRE.		
RC604518	1982/03/18	DEED TRUST MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	
				REMARKS: U.S FUNDS ; "MULTI - ADDED 99/11/24 BY C. COOPER" DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26		
				CORRECTIONS: PARTY TO NAME CHANGED FROM NATIONAL TRUST CO. LTD. TO NATIONAL TRUST COMPANY, LIMITED ON 2011/12/19 BY COOPER, CLAIRE.		
RO611287	1982/06/15	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST CO. LTD.	
				REMARKS: 578,938,000 U.S FUNDS & 25,000,000 U.K.FUNDS ; "MULTI - ADDED 99/11/24 BY C. COOPER" DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26		
43R18296	1990/12/20	PLAN REFERENCE				C
RO962293	1991/02/08	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	CRAWFORD, JOHN LAIDLAW CRAWFORD, DONALD LLOYD	
RO1017870	1992/09/18	NOTICE OF CLAIM				C
				REMARKS: MULTI; ADDED 98/12/16 BY LAND REGISTRAR #1 DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26 DELETED FROM 14089-0339 BY L.OTTEN ON 2004/04/20.		
RO1167213	1998/03/23	NOTICE		*** DELETED AGAINST THIS PROPERTY *** NATIONAL TRUST COMPANY		
PR1123238	2006/08/22	CAU AGP PUR & SALE		*** COMPLETELY DELETED *** CRAWFORD, DONALD LLOYD	HEATHWOOD HOMES (BRAMPTON) LIMITED	

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
				CRAWFORD, JOHN LAIDLAW		
				REMARKS: EXPIRES 60 DAYS FROM 2007/04/07 DELETED ON OCT 27, 2017 BY CAMANNA		
PR1126212	2006/08/28	TRANSFER		*** COMPLETELY DELETED *** CRAWFORD, DONALD LLOYD CRAWFORD, JOHN LAIDLAW	CRAWFORD, DONALD LLOYD CRAWFORD, CAROLYN BARBARA CRAWFORD, JOHN LAIDLAW CRAWFORD, MARY GLADYS	
PR1238890	2007/04/10	APL DEL EXECUTION		*** COMPLETELY DELETED *** CRAWFORD, DONALD LLOYD CRAWFORD, CAROLYN BARBARA CRAWFORD, JOHN LAIDLAW CRAWFORD, MARY GLADYS		
				REMARKS: DELETES 94-00735		
PR1239352	2007/04/10	TRANSFER	58,363,600	CRAWFORD, CAROLYN BARBARA CRAWFORD, DONALD LLOYD CRAWFORD, JOHN LAIDLAW CRAWFORD, MARY GLADYS	HEATHWOOD HOMES (BRAMPTON) LIMITED	C
PR1239353	2007/04/10	CHARGE		*** COMPLETELY DELETED *** HEATHWOOD HOMES (BRAMPTON) LIMITED	CRAWFORD, DONALD LLOYD CRAWFORD, CAROLYN BARBARA CRAWFORD, JOHN LAIDLAW CRAWFORD, MARY GLADYS	
43R34583	2012/04/30	PLAN REFERENCE				C
PR2253823	2012/08/24	TRANSFER EASEMENT	\$318,098	HEATHWOOD HOMES (BRAMPTON) LIMITED	TRANSCANADA PIPELINES LIMITED	C
PR2352432	2013/04/05	CHARGE		*** COMPLETELY DELETED *** HEATHWOOD HOMES (BRAMPTON) LIMITED	ATRIUM MORTGAGE INVESTMENT CORPORATION	
PR2352433	2013/04/05	NO ASSGN RENT GEN		*** COMPLETELY DELETED *** HEATHWOOD HOMES (BRAMPTON) LIMITED	ATRIUM MORTGAGE INVESTMENT CORPORATION	
				REMARKS: PR2352432.		
PR2352712	2013/04/05	DISCH OF CHARGE		*** COMPLETELY DELETED *** CRAWFORD, DONALD LLOYD CRAWFORD, CAROLYN BARBARA CRAWFORD, JOHN LAIDLAW CRAWFORD, MARY GLADYS		

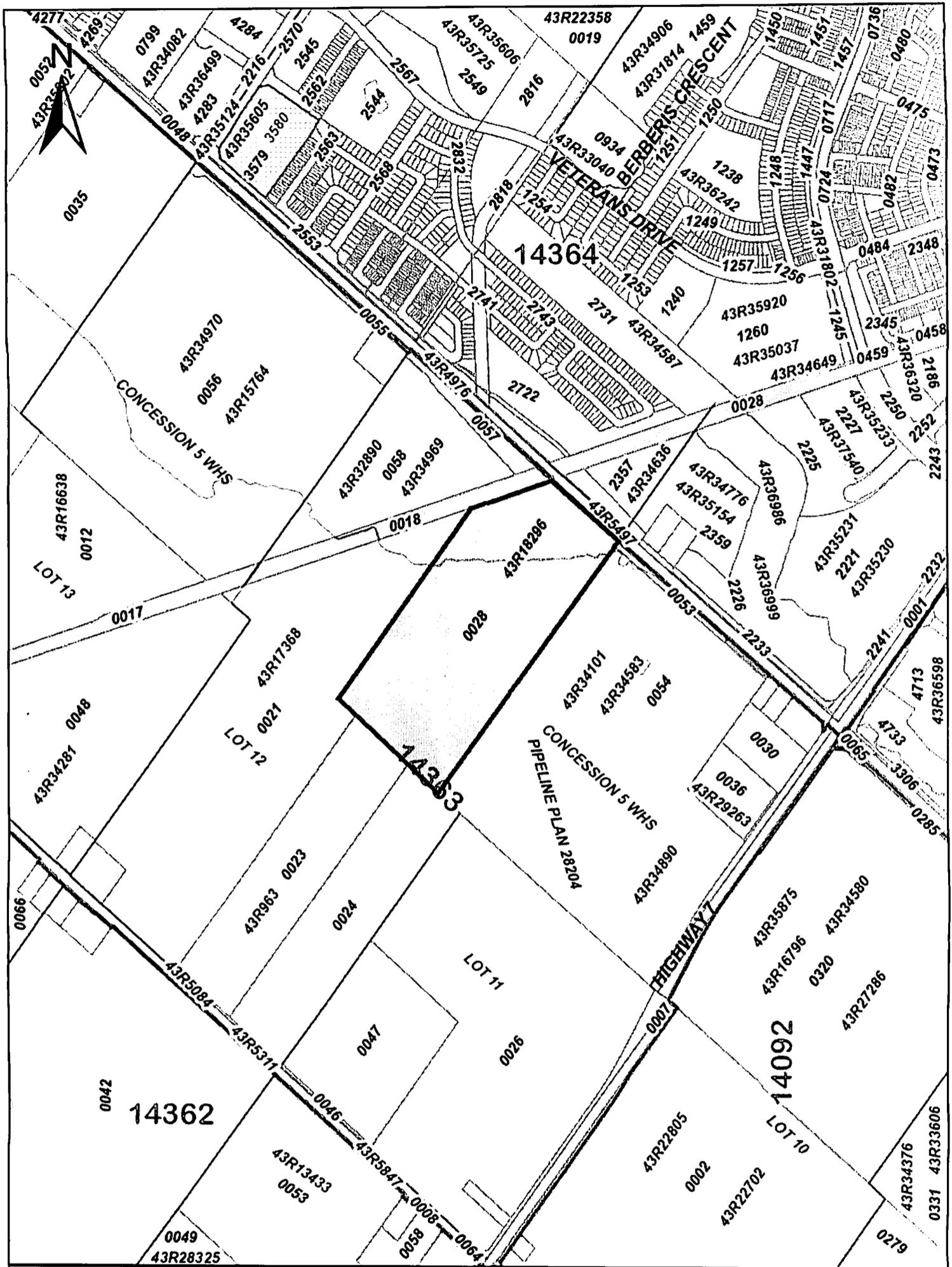
NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				HEATHWOOD HOMES (BRAMPTON) LIMITED	ATRIUM MORTGAGE INVESTMENT CORPORATION	
PR3243804	2017/11/28	CHARGE	\$100,000,000	HEATHWOOD HOMES (BRAMPTON) LIMITED	THE BANK OF NOVA SCOTIA	C
PR3244801	2017/11/29	DISCH OF CHARGE		*** COMPLETELY DELETED *** ATRIUM MORTGAGE INVESTMENT CORPORATION		

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
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**ServiceOntario**

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FOR D.B.



**PROPERTY INDEX MAP**  
PEEL(No. 43)

**LEGEND**

- FREEHOLD PROPERTY
- LEASEHOLD PROPERTY
- LIMITED INTEREST PROPERTY
- CONDOMINIUM PROPERTY
- RETIRED PIN (MAP UPDATE PENDING)
- PROPERTY NUMBER 0449
- BLOCK NUMBER 08050
- GEOGRAPHIC FABRIC
- EASEMENT

**NOTES**

- REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS
- THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY
- FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS
- ONLY MAJOR EASEMENTS ARE SHOWN
- REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

THIS IS NOT A PLAN OF SURVEY



CHAIN OF TITLE REPORT

Project #: 141-15409-00 subphase 16  
 Address: w/s Mississauga Road, Brampton  
 Legal Description: Part lot 11, Con 5 WHS (Ching)  
as in RO680355

Searched at: Brampton  
 LRO #: 43

Page 1

PIN #: 14363-0054(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	22 05 1824	Crown	Alexander C. LAWRENCE
6914	Deed	19 08 1829	Alexander C. Lawrence	Angus MCNICOL
27577	Deed	09 10 1846	Angus McNicol - estate	James WITHAM
46013	Deed	20 10 1852	James Witham	David MCCLURE
14677	Deed	27 11 1922	David McClure - estate	Thomas H. ELLIOTT
CH20729	Deed	02 11 1948	Thomas H. Elliott	Oscar MCCLURE & Robert MCCLURE
CH22510	Deed	08 05 1953	Oscar McClure & Robert McClure	Oscar E. MCCLURE
CH25614	Easement	01 04 1958	Oscar E. McClure	Trans-Canada Pipe Lines Limited
CH30536	Deed	15 04 1962	Oscar E. McClure	John Laidlaw CRAWFORD

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: 141-15409-00 subphase 16  
 Address: w/s Mississauga Road, Brampton  
 Legal: Part lot 11, Con 5 WHS (Ching)  
 Description: as in RO680355

Searched at: Brampton  
 LRO #: 43

Page 2

PIN #: 14363-0054(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
RO680355	Deed	11 05 1984	John Laidlaw Crawford	Donald Lloyd CRAWFORD
PR1126211	Deed	28 08 2006	Donald Lloyd Crawford	Donald Lloyd CRAWFORD John Laidlaw CRAWFORD
PR1126213	Deed	28 08 2006	Donald Lloyd Crawford John Laidlaw Crawford	Donald Lloyd CRAWFORD
PR1294995	Deed	13 07 2007	Donald Lloyd Crawford	Osmington Inc.
PR2275820	Easement	03 10 2012	Osmington Inc.	Trans-Canada Pipe Lines Limited
PR2310025	Easement	14 12 2012	Osmington Inc.	The Regional Municipality of Peel
PR2310026	Easement	14 12 2012	Osmington Inc.	The Regional Municipality of Peel
PR2602957	Deed (Present Owner)	22 09 2014	Osmington Inc.	NW Brampton Regional Centre Inc.

LAND  
 REGISTRY  
 OFFICE #43

14363-0054 (LT)

\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

**PROPERTY DESCRIPTION:** PT LT 11, CONC 5 WHS(CHING) AS IN RO680355, S&E VS64658, PTS 1,2 & 3, 43R18296, PTS 1,2,3 & 4, 43R29263 & PT 2, 43R34101 & PTS 1 & 2, 43R34890 ; S/T CH25614 AS AMENDED BY CH28204; SUBJECT TO AN EASEMENT AS IN PR2275820; SUBJECT TO AN EASEMENT OVER PTS 3 & 4, 43R34890 IN FAVOUR OF THE REGIONAL MUNICIPALITY OF PEEL AS IN PR2310025; SUBJECT TO AN EASEMENT OVER PTS 4 & 5, 43R34890 IN FAVOUR OF THE MUNICIPALITY OF PEEL AS IN PR2310026; CITY OF BRAMPTON

**PROPERTY REMARKS:**

**ESTATE/QUALIFIER:**

FEE SIMPLE  
 LT CONVERSION QUALIFIED

**RECENTLY:**

DIVISION FROM 14363-0050

**PIN CREATION DATE:**

2012/12/27

**OWNERS' NAMES**

NW BRAMPTON REGIONAL CENTRE INC.

**CAPACITY SHARE**

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2012/12/27 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 1999/02/23 **						
CH25614	1958/04/01	TRANSFER EASEMENT			TRANS- CANADA PIPE LINES LIMITED	C
CH27553	1960/04/22	DEED TRUST MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
REMARKS: DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 25						
CH27653	1960/05/30	DEED TRUST MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
REMARKS: DELETED FROM 14242 0320 BY VMIKLLOSKA 2003 11 25						
CH28204	1960/11/07	PLAN MISCELLANEOUS				C
CH32052	1963/05/06	DEED TRUST MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
REMARKS: DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 25						

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LAND  
 REGISTRY  
 OFFICE #43

14363-0054 (LT)

\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
CH36273	1965/05/17	DEED TRUST MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	
		REMARKS: DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 25				
VS53412	1967/10/03	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	
		REMARKS: "MULTI - ADDED 99/11/22 BY C. COOPER" DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26				
VS215205	1972/06/19	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	
		REMARKS: "MULTI - ADDED 99/11/22 BY C. COOPER" DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26				
VS256501	1973/04/12	CHARGE		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	
		REMARKS: "SUPPLEMENTAL INDENTURE TO DEED OF TRUST & MORTGAGE; MULTI - ADDED 99/11/24 BY C. COOPER" DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26				
RO580339	1981/06/04	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	
		REMARKS: 4,508,106,000 U.S FUNDS : "4,508,106,000 U.S. FUNDS, AMENDED TO 468,106,000 U.S. FUNDS", 97/07/16, S. DARKEVICS. ; "MULTI - ADDED 99/11/24 BY C. COOPER" DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26				
		CORRECTIONS: PARTY TO NAME CHANGED FROM NATIONAL TRUST CO. LTD TO NATIONAL TRUST COMPANY, LIMITED ON 2011/12/19 BY COOPER, CLAIRE.				
RO604518	1982/03/18	DEED TRUST MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	
		REMARKS: U.S FUNDS ; "MULTI - ADDED 99/11/24 BY C. COOPER" DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26				
		CORRECTIONS: PARTY TO NAME CHANGED FROM NATIONAL TRUST CO. LTD. TO NATIONAL TRUST COMPANY, LIMITED ON 2011/12/19 BY COOPER, CLAIRE.				
RO611287	1982/06/15	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST CO. LTD.	
		REMARKS: 578,938,000 U.S FUNDS & 25,000,000 U.K.FUNDS ; "MULTI - ADDED 99/11/24 BY C. COOPER" DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26				
RO1017870	1992/09/18	NOTICE OF CLAIM				C
		REMARKS: MULTI; ADDED 98/12/16 BY LAND REGISTRAR #1 DELETED FROM 14242 0320 BY VMIKLOSKA 2003 11 26 DELETED FROM 14089-0339 BY L.OTTEN ON 2004/04/20.				
RO1167213	1998/03/23	NOTICE		*** DELETED AGAINST THIS PROPERTY *** NATIONAL TRUST COMPANY		
PR1294995	2007/07/13	TRANSFER	\$19,000,000	CRAWFORD, DONALD LLOYD	OSMINGTON INC.	C
		REMARKS: PLANNING ACT STATEMENTS				
43R34101	2011/08/16	PLAN REFERENCE				C
43R34583	2012/04/30	PLAN REFERENCE				C

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LAND  
 REGISTRY  
 OFFICE #43

14363-0054 (LT)

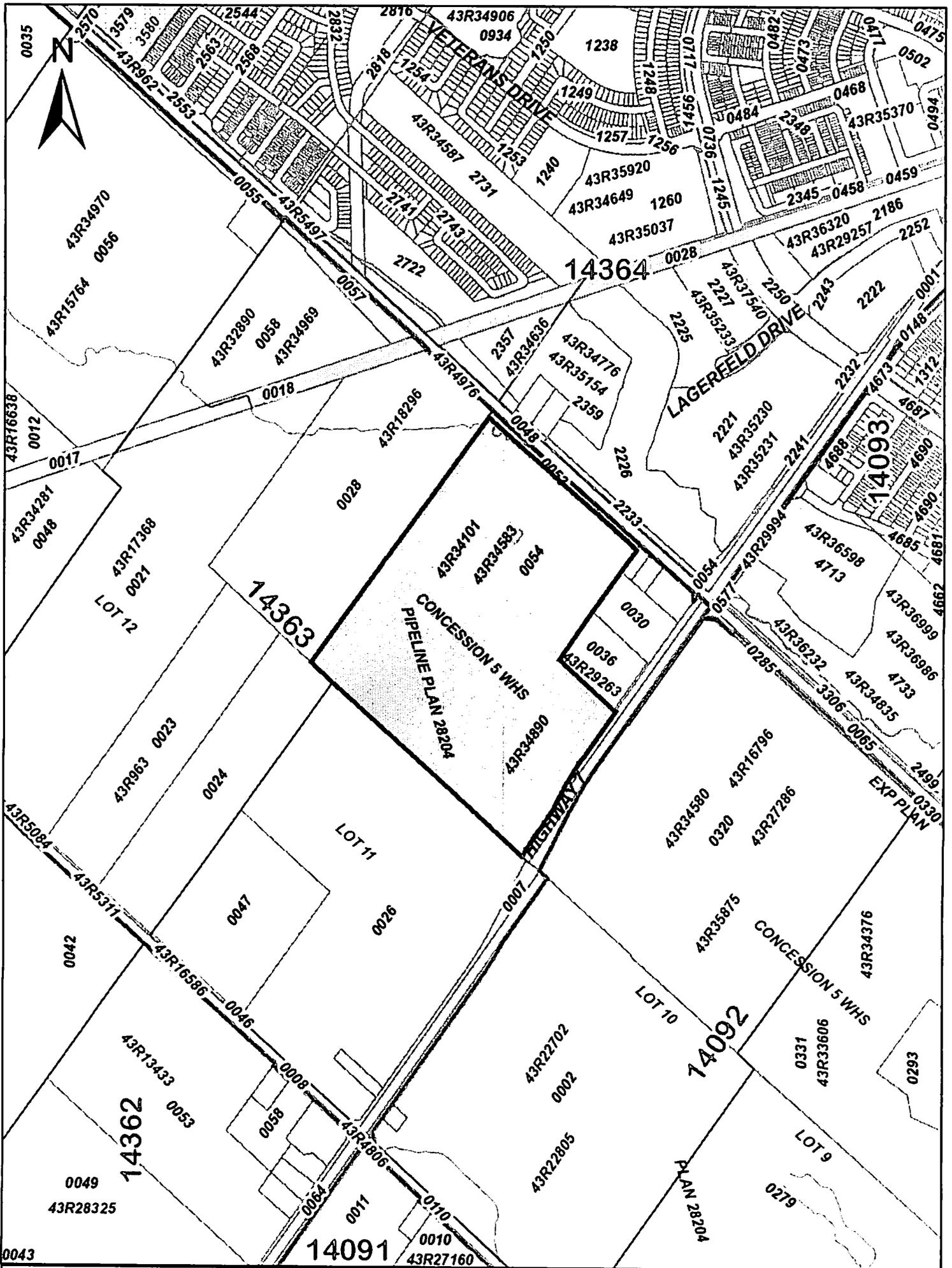
\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
PR2275820	2012/10/03	TRANSFER EASEMENT	\$524,613	OSMINGTON INC.	TRANSCANADA PIPELINES LIMITED	C
43R34890	2012/10/11	PLAN REFERENCE				C
PR2310025	2012/12/14	TRANSFER EASEMENT	\$2	OSMINGTON INC.	THE REGIONAL MUNICIPALITY OF PEEL	C
PR2310026	2012/12/14	TRANSFER EASEMENT	\$2	OSMINGTON INC.	THE REGIONAL MUNICIPALITY OF PEEL	C
PR2602957	2014/09/22	TRANSFER		OSMINGTON INC.	NW BRAMPTON REGIONAL CENTRE INC.	C
PR2691677	2015/03/30	DISCH OF CHARGE		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
		REMARKS: CH27553.				
PR2691681	2015/03/30	DISCH OF CHARGE		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
		REMARKS: CH27653.				
PR2691687	2015/03/30	DISCH OF CHARGE		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
		REMARKS: CH32052.				
PR2729833	2015/06/17	DISCH OF CHARGE		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
		REMARKS: CH36273.				
PR2729845	2015/06/17	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
		REMARKS: DELETES VS53412				
PR2729857	2015/06/17	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
		REMARKS: DELETES VS215205				
PR2729863	2015/06/17	DISCH OF CHARGE		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
		REMARKS: VS256501.				
PR2729874	2015/06/17	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
		REMARKS: DELETES RO580339 AND RO1167213				

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
PR2729884	2015/06/17	DISCH OF CHARGE		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
		REMARKS: RO604518.				
PR2729897	2015/06/17	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
		REMARKS: DELETE RO611287				



**ServiceOntario**

PRINTED ON 13 FEB, 2018 AT 13:34:24 FOR D.B.



**LEGEND**

- FREEHOLD PROPERTY
- LEASEHOLD PROPERTY
- LIMITED INTEREST PROPERTY
- CONDOMINIUM PROPERTY
- RETIRED PIN (MAP UPDATE PENDING)
- PROPERTY NUMBER 0449
- BLOCK NUMBER 08050
- GEOGRAPHIC FABRIC
- EASEMENT

**NOTES**

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FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

**PROPERTY INDEX MAP**  
PEEL (No. 43)

**THIS IS NOT A PLAN OF SURVEY**



# APPENDIX

## C REGULATORY RESPONSE



## APPENDIX

# **C-1** *TSSA RESPONSE*

## Tsui, Elizabeth

---

**From:** Public Information Services <publicinformationsservices@tssa.org>  
**Sent:** April-17-18 3:13 PM  
**To:** Tsui, Elizabeth  
**Subject:** NO RECORD FOUND (FUEL STORAGE TANKS ONLY)

### NO RECORD FOUND (FUEL STORAGE TANKS ONLY)

Hello Elizabeth. Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at [https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?\\_mid\\_=392](https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392) and email the completed form to [publicinformationsservices@tssa.org](mailto:publicinformationsservices@tssa.org) or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Gaya

---

**From:** Tsui, Elizabeth <Elizabeth.Tsui@wsp.com>  
**Sent:** April 16, 2018 4:10 PM  
**To:** Public Information Services <publicinformationsservices@tssa.org>  
**Subject:** TSSA records inquiry

To Whom It May Concern,

Can you please advise if TSSA has any record for the following property?

- 10124 Mississauga Road, Brampton, ON

Thank you very much for your time and look forward to hear from you.

Sincerely,  
Elizabeth

**Elizabeth Tsui**, M.Env.Sc., P.Eng., EP.  
Project Engineer  
Environment



T+ 1 905-882-4211 #6175  
F+ 1 908-882-0055  
M+ 1 647-280-8979

100 Commerce Valley Drive West

Thornhill, Ontario  
L3T 0A1 Canada

**wsp.com**

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-LAEmlHhHzdJzBITWfaHgs7pbKJ

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## APPENDIX

# **C-2** *MECP FOI RESPONSE*

Ministry of the Environment  
and Climate Change

Freedom of Information and  
Protection of Privacy Office

12<sup>th</sup> Floor  
40 St. Clair Avenue West  
Toronto ON M4V 1M2  
Tel: (416) 314-4075  
Fax: (416) 314-4285

Ministère de l'Environnement et de  
l'Action en matière de changement  
climatique

Bureau de l'accès à l'information et  
de la protection de la vie privée

12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél. : (416) 314-4075  
Télééc.: (416) 314-4285



April 27, 2018

Najla Nureddin  
WSP  
100 Commerce Valley Dr W  
Thornhill, ON L3T 0A1

Dear Najla Nureddin:

RE: ***Freedom of Information and Protection of Privacy Act Request***  
**Our File # A-2018-02609, Your Reference 141-15409-00**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 10244 Mississauga Road, Brampton.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Kathy Mayes at [kathy.mayes@ontario.ca](mailto:kathy.mayes@ontario.ca).

Yours truly,

Janet Dadufalza  
FOI Manager

Ministry of the Environment  
and Climate Change

Freedom of Information and  
Protection of Privacy Office

12<sup>th</sup> Floor  
40 St. Clair Avenue West  
Toronto ON M4V 1M2  
Tel: (416) 314-4075  
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Ministère de l'Environnement et de  
l'Action en matière de changement  
climatique

Bureau de l'accès à l'information et  
de la protection de la vie privée

12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél. : (416) 314-4075  
Télééc.: (416) 314-4285



April 27, 2018

Najla Nureddin  
WSP  
100 Commerce Valley Dr W  
Thornhill, ON L3T 0A1

Dear Najla Nureddin:

RE: ***Freedom of Information and Protection of Privacy Act Request***  
**Our File # A-2018-02610, Your Reference 141-15409-00**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 40 Lagerfeld Drive, Brampton.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

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If you have any questions regarding this matter, please contact Kathy Mayes at [kathy.mayes@ontario.ca](mailto:kathy.mayes@ontario.ca).

Yours truly,



Janet Dadufalza  
FOI Manager

Ministry of the Environment  
and Climate Change

Freedom of Information and  
Protection of Privacy Office

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12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél. : (416) 314-4075  
Télééc.: (416) 314-4285



April 27, 2018

Najla Nureddin  
WSP  
100 Commerce Valley Dr W  
Thornhill, ON L3T 0A1

Dear Najla Nureddin:

RE: ***Freedom of Information and Protection of Privacy Act Request***  
**Our File # A-2018-02608, Your Reference 141-15409-00**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 10124 Mississauga Road, Brampton.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Kathy Mayes at [kathy.mayes@ontario.ca](mailto:kathy.mayes@ontario.ca).

Yours truly,

A handwritten signature in blue ink, appearing to read "JDM".

A handwritten signature in blue ink, appearing to read "Janet".

Janet Dadufalza  
FOI Manager

Ministry of the Environment  
and Climate Change

Freedom of Information and  
Protection of Privacy Office

12<sup>th</sup> Floor  
40 St. Clair Avenue West  
Toronto ON M4V 1M2  
Tel: (416) 314-4075  
Fax: (416) 314-4285

Ministère de l'Environnement et de  
l'Action en matière de changement  
climatique

Bureau de l'accès à l'information et  
de la protection de la vie privée

12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél. : (416) 314-4075  
Télééc.: (416) 314-4285



April 30, 2018

Najla Nureddin  
WSP  
100 Commerce Valley Dr W  
Thornhill, ON L3T 0A1

Dear Najla Nureddin:

**RE: *Freedom of Information and Protection of Privacy Act Request***  
**Our File #: A-2018-02607, Your Reference #: 141-15409-00**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to Lot 11, Concession 4, Brampton.

After a thorough search of the Ministry's Halton Peel District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my preliminary decision to provide partial access to the information as the identity of complainants will be removed to protect privacy (Section 21(1)(f) of the Act).

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the estimated fee is:

• Search Time 1 hour @ \$30/hour	\$30.00
• CD	10.00
• Preparation Time approx. 0.16 hour @ \$30/hour	4.80
• Delivery	3.00
• <b>Total</b>	<b>\$47.80</b>
• Deposit Received	- 30.00
• <b>Balance Due</b>	<b>\$17.80</b>

Due to the volume, the records will be provided to you electronically on a CD. The Ministry has relied on Order PO-3621 by the Office of the Information and Privacy Commission (IPC) in order to calculate the estimated fees. Order PO-3621 states that the Ministry may charge a preparation fee of \$30.00 per hour for every 1,200 pages of scanned records. The breakdown of the approximate preparation fee is as follows: an estimated 0.16 hours to convert approximately 195 pages to electronic format. Please note, that upon completion of the Ministry's review, additional preparation charges may be applied to account for any severances made to the records in accordance with the exemptions under the Act. These severances will be charged at a rate of \$30.00 per hour, calculated at a rate of two minutes per page.

In order to receive a copy of the records please forward this amount to our office. You may pay by money order or cheque (made payable to the "Minister of Finance (FOI)") or by credit card. Credit card forms are available on the Ministry's website <http://www.ontario.ca/environment-and-energy/freedom-information-request-form>. Please do not mail cash.

If payment has not been received within 45 days this file will be closed. When remitting payment, please quote our file number or attach a copy of this letter.

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Sharon Menzies at (416) 327-1429.

Yours truly,



Janet Dadufalza  
FOI Manager

**ENVIRONMENTAL COMPLIANCE APPROVAL**NUMBER 4703-8TFHPZ  
Issue Date: April 23, 2012

Mattamy (Credit River) Limited & Ashwid Developments  
Inc.  
2360 Bristol Circle  
Oakville, Ontario  
L6H 6M5

Site Location: Mount Pleasant Valley North Development  
Lot 11, Concession 4 WHS  
City of Brampton, Regional Municipality of Peel

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

construction of a **temporary sanitary sewage storage facility** consisting of a 1800 millimetre diameter maintenance hole (MH 6C) connected to a 49.0 metres long 3000 millimetre diameter concrete sanitary sewer, located on the north side Lagerfeld Drive and 60 metres south-west of Creditview Road and Lagerfeld Drive intersection, in the City of Brampton, together with modifications to existing sanitary sewers on Lagerfeld Drive in order to provide a total storage volume of **571 cubic meters** in the 3000 millimetre diameter concrete sanitary sewer and in the surcharged sewers from a bottom elevation of 235.19 metres up to an elevation of 242.75 metres, complete with the following:

- plug in the west outlet in MH 6A to divert flows to the temporary storage facility;
- 47.1 metres long 375 millimetre diameter temporary sanitary sewer from MH 6A to MH 6C;
- venting at both ends of the temporary sanitary sewage storage facility;
- installation of a float alarm system;
- emergency overflow outlet in MH 6C connected to the downstream sewer going from MH 6C to service maintenance hole (MH 5A);
- plug in east outlet of downstream sewer maintenance hole (MH 18A);
- installation of one (1) submersible pump (a Flygt Model Number NS3153.091MT) in MH 6C to pump sewage to the tanker trucks;
- removal of sewage from the temporary sanitary sewage storage facility and transportation to the

McVean Sewage Pumping Station and/or the Clarkson Wastewater Treatment Plant, is to be done by MOE licensed sewage haulers;

- A spare submersible pump and portable generator set will be stored nearby; and
- including all other controls and appurtenances essential for the proper operation of the aforementioned *Works* .

all in accordance with supporting documents listed in Schedule 'A'.

*For the purpose of this environmental compliance approval, the following definitions apply:*

"*Approval* " means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation listed herein;

"*Director* " means a person appointed by the Minister pursuant to section 5 of the *EPA* for the purposes of Part II.1 of the *EPA* ;

"*District Manager* " means the District Manager of the Halton-Peel District Office of the Ministry;

"*EPA* " means the Environmental Protection Act, R.S.O 1990, c.E.19, as amended;

"*Ministry* " means the Ontario Ministry of the Environment;

"*Owner* " means Mattamy (Credit River) Limited & Ashwid Developments Inc., and includes its successors and assignees;

"*Professional Engineer* " means a person entitled to practise as a Professional Engineer in the Province of Ontario under a licence issued under the Professional Engineers Act;

"*Substantial Completion* " has the same meaning as "*substantial performance* " in the Construction Lien Act ; and

"*Works* " means the sewage works described in this *Approval* .

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## **TERMS AND CONDITIONS**

### **1. GENERAL PROVISIONS**

- 1.1 The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Approval* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
- 1.2 Except as otherwise provided by these Conditions, the *Owner* shall design, build, install, operate and maintain the *Works* in accordance with the description given in this *Approval* , the application for approval of the *Works* and the submitted supporting documents and plans and specifications as listed in this *Approval* .

- 1.3 Where there is a conflict between a provision of any submitted document referred to in this *Approval* and the Conditions of this *Approval*, the Conditions in this *Approval* shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.
- 1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
- 1.5 The requirements of this *Approval* are severable. If any requirement of this *Approval*, or the application of any requirement of this *Approval* to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this *Approval* shall not be affected thereby.

## **2. EXPIRY OF APPROVAL**

- 2.1 This *Approval* shall expire and become null and void **two (2) years** after the issuance date of this *Approval*. In the event that the municipal sewage service is not constructed within the **two-year period** and the *Owner* is seeking a renewal for this *Approval*, an environmental compliance approval application for such an amendment shall be made no later than **four (4) months** prior to the two (2) years expiry date.
- 2.2 The *Owner* shall decommission the **temporary sanitary sewage storage facility** on or before the expiry date mentioned in Condition 2.1 of this *Approval*.

## **3. CHANGE OF OWNER**

- 3.1 The *Owner* shall notify the *District Manager* and the *Director*, in writing, of any of the following changes within **thirty (30) days** of the change occurring:
  - (a) change of *Owner* ;
  - (b) change of address of the *Owner* ;
  - (c) change of partners where the *Owner* is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the *District Manager* ;
  - (d) change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information's Act, R.S.O. 1990, c. C39 shall be included in the notification to the *District Manager* ;
- 3.2 In the event of any change in ownership of the *Works*, other than a change to a successor municipality, the *Owner* shall notify in writing the succeeding owner of the existence of this *Approval*, and a copy of such notice shall be forwarded to the *District Manager* and the *Director*.
- 3.2 The *Owner* shall ensure that all communications made pursuant to this condition will refer to this *Approval*'s number.

## **4. UPON THE SUBSTANTIAL COMPLETION OF THE WORKS**

- 4.1 Upon the *Substantial Completion* of the *Works* , the *Owner* shall prepare a statement, certified by a *Professional Engineer* , that the *Works* are constructed in accordance with this *Approval* , and upon request, shall make the written statement available for inspection by *Ministry* personnel.
- 4.2 Within **three (3) months** of the *Substantial Completion* of the *Works* , a set of as-built drawings showing the *Works* "as constructed" shall be prepared. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the *Works* for the operational life of the *Works* .

## **5. OPERATION AND PERFORMANCE**

- 5.1 The *Owner* shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the *Works* do not constitute a safety or health hazard to the general public.
- 5.2 The *Owner* shall undertake an inspection of the condition of the *Works* , at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, and debris are removed from the *Works* to prevent the excessive build-up of sediment, and debris.
- 5.3 The *Owner* shall maintain and service the *Works* in such a manner that leaks and spills are prevented.
- 5.4 The *Owner* shall have a valid agreement with a hauler who is in possession of a Waste Management Systems *Approval* at all times during the operation of the *Works* and submit a copy of the valid agreement with a licensed hauler to the *District Manager* .
- 5.5 The *Owner* shall ensure that the Accelerated Servicing Agreement with the Regional Municipality of Peel is signed before the construction of the *Works* .
- 5.6 The *Owner* shall exercise due diligence in ensuring that, at all times, the *Works* and the related equipment and appurtenances used to achieve compliance with this *Approval* are properly operated and maintained. Proper operation and maintenance shall include effective performance, adequate funding, adequate operator staffing and training, including training in all procedures and other requirements of this *Approval* and the *Act* and regulations, process controls and alarms, and other substances used in the *Works* .
- 5.7 The *Owner* shall prepare an operations manual prior to the *Substantial Completion* of the *Works* that includes, but not necessarily limited to, the following information:
- (a) operating procedures for routine operation of the *Works* ;
  - (b) inspection programs, including frequency of inspection, for the *Works* and the methods or tests employed to detect when maintenance is necessary;
  - (c) procedures for the removal and disposal of sewage from the *Works* to an approved sewage disposal site by an MOE licensed sewage hauler;
  - (d) a spill prevention control and countermeasures plan, consisting of contingency plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal situations, including notification of the Spills Action Centre (SAC) at (416) 325-3000 or 1-800-268-6060; and

- (e) procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken and the corrective measures taken to alleviate the cause and prevent its reoccurrence.

- 5.8 The *Owner* shall maintain a logbook to record the septage volumes pumped from the *Works* , date, hauler's name, septage disposal, inspections, cleaning and maintenance operations undertaken and shall make the logbook available for inspection by the *Ministry* upon request.
- 5.9 The *Owner* shall maintain the operations manual current and retain a copy at the location of the *Works* for the operational life of the *Works* . Upon request, the *Owner* shall make the manual available to *Ministry* staff.
- 5.10 The *Owner* shall ensure that appropriate mitigative measures are taken should any objectionable odour be generated from the *Works* .

## **6. RECORD KEEPING**

- 6.1 The *Owner* shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this *Approval* . These records and information shall be made available for inspection by the *Ministry* , upon request.

Schedule 'A' forms part of this *Approval* and contains a list of supporting documentation / information received, reviewed and relied upon in the issuance of this *Approval* .

**SCHEDULE 'A'**

1. Application for Approval of Sewage Works submitted by Rhys Cavill, of R.J. Burnside & Associates Limited, dated February 22, 2012, and signed by Frank Doracin, ASO, Mattamy (Credit River) Limited & Ashwid Developments Inc., including final plans and specifications prepared by R.J. Burnside & Associates Limited;
2. Electronic correspondence from Rhys Cavill, of R.J. Burnside & Associates Limited to the Review Engineer dated April 17, 2012;
3. Electronic correspondence from Junior Mohammed, Supervisor, Development Services Public Works Department, Regional Municipality of Peel to the Review Engineer dated April 18, 2012;
4. Electronic correspondence from Junior Mohammed, Supervisor, Development Services Public Works Department, Regional Municipality of Peel to the Review Engineer dated April 19, 2012; and
5. Electronic correspondence from Rhys Cavill, of R.J. Burnside & Associates Limited to the Review Engineer dated April 20, 2012.

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 is imposed to ensure that the *Works* are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in this *Approval* and the practice that this *Approval* is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the owners their responsibility to notify any person they authorized to carry out work pursuant to this *Approval* the existence of this *Approval* .
2. Condition 2 is included to ensure that the *Works* are constructed in a timely manner so that standards applicable at the time of *Approval* of the *Works* are still applicable at the time of construction, to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the *Ministry* records are kept accurate and current with respect to approved *Works* and to ensure that subsequent owners of the *Works* are made aware of this *Approval* and continue to operate the *Works* in compliance with it.
4. Condition 4 is included to ensure that record drawings of the *Works* "as constructed" are maintained for future references.
5. Condition 5 is included to require that the *Works* be properly operated, maintained, funded, and equipped such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented. It is also included to ensure that the *Owner* has made all necessary arrangement for the disposal of sewage from the *Works* .
6. Condition 6 is included to require that all records are retained for a sufficient time period to adequately evaluate the operation and maintenance of the *Works* .

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

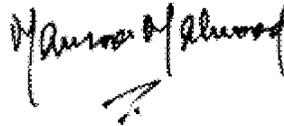
AND

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 23rd day of April, 2012



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Mansoor Mahmood, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

AA/

c: District Manager, MOE Halton-Peel District Office  
Junior Mohammed, P.Eng., Supervisor, Development Services, P. Works – Regional Municipality of Peel  
Rhys Cavill, C.E.T., R.J. Burnside & Associates Limited

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 4505-8U3JE7

Issue Date: May 8, 2012

Mattamy (Credit River) Limited  
2360 Bristol Circle  
Oakville, Ontario  
L6H 6M5

Site Location: Part of Lot 11, Concession 4, West of Hurontario Street  
City of Brampton, Regional Municipality of Peel

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

**sanitary sewers** to be constructed in the City of Brampton, in the Regional Municipality of Peel, on Creditview Road, Lagerfeld Drive, Mississauga Road, sanitary sewer easements (east of Creditview Road, and on Blocks 1, 5, 6 and 9, 10 and 339), and crossing Canadian National Railway;

all in accordance with the application from Mattamy (Credit River) Limited, dated **March 29, 2012**, including final plans and specifications prepared by Urbantech Consulting.

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act

Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

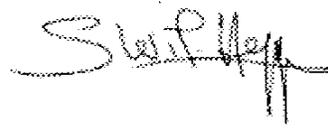
AND

Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 8th day of May, 2012



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Sherif Hegazy, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

DA/

c: District Manager, MOE Halton-Peel  
Carol Reid, Clerk, Regional Municipality of Peel (File: B-33.303)  
Bob Lipka, C.E.T., Regional Municipality of Peel  
Peter Fay, City of Brampton  
Jeff Ormonde, P.Eng., Urbantech Consulting

**ENVIRONMENTAL COMPLIANCE APPROVAL**NUMBER 8799-97PRP6  
Issue Date: May 21, 2013

Mattamy (Credit River) Limited  
2360 Bristol Circle  
Oakville, Ontario  
L6H 6M5

Site Location: Mount Pleasant Village - Phase 3  
West of Hurontario Street  
Lot 11, Concession 4  
City of Brampton , Regional Municipality of Peel

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

Sanitary sewers and storm sewers to be constructed in conjunction with Project No. 21T-12006B Lot 11 Concession 4 WHS in the City of Brampton, Regional Municipality of Peel, as follows:

Sanitary Sewers located on Baycliff Drive, Ariel Road, Butterworth Road, Affleck Road, Crossbill Road, and Sanitary Easement (from MH10A to Ex. MH21A located within Block 32)

Storm Sewers located on Baycliff Drive, Ariel Road, Butterworth Road (from MH13 to Ex. MH82 on Ganton Heights), Affleck Road, storm sewers (from MH12 to Ex. MH44B located within Block 32), Storm Sewers Easement (Parts 11 and 14) from MH104 to CTRL MH6 located on Commuter Drive;

all in accordance with the following documents, namely, final plans and specifications prepared by Urbantech Consulting Engineers.

*For the purpose of this environmental compliance approval, the following definitions apply:*

1. "Approval" means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation;
2. "Director" means any Ministry employee appointed by the Minister pursuant to section 5 of the Part II.1 of the Environmental Protection Act;
3. "Ministry" means the Ontario Ministry of the Environment;
4. "Owner" means Mattamy (Credit River) Limited, and includes its successors and assignees;
5. "Source Protection Plan" means a drinking water source protection plan prepared under the Clean Water Act, 2006.

6. "Water Supervisor" means the Water Supervisor of the Halton-Peel District Office of the Ministry;
7. "Works" means the sewage works described in the Owner's application, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval.

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## **TERMS AND CONDITIONS**

### **1. GENERAL PROVISIONS**

- 1.1 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
- 1.2 Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, the application for approval of the Works and the submitted supporting documents and plans and specifications as listed in this Approval.
- 1.3 Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.
- 1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
- 1.5 The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

### **2. EXPIRY OF APPROVAL**

The approval issued by this Approval will cease to apply to those parts of the Works which have not been constructed within five (5) years of the date of this Approval.

### **3. CHANGE OF OWNER**

The Owner shall notify the Water Supervisor and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

- (a) change of Owner;
- (b) change of address of the Owner;

- (c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the Water Supervisor; and
- (d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the Water Supervisor.

#### 4. SOURCE WATER PROTECTION

The Owner shall, within sixty (60) calendar days of the Minister of the Environment posting approval of a Source Protection Plan on the environmental registry established under the Environmental Bill of Rights, 1993 for the area in which this Approval is applicable, apply to the Director for an amendment to this Approval that includes the necessary measures to conform with all applicable policies in the approved Source Protection Plan.

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which Approval was granted. This Condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The Condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval of the existence of this Approval.
2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
4. Condition 4 is included to ensure that the Works covered by this Approval will conform to the significant threat policies and designated Great Lakes policies in the Source Protection Plan.

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;

8. The municipality or municipalities within which the project is to be engaged in.

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

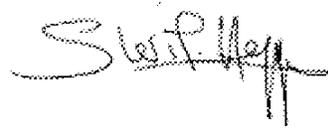
AND

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-3717 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 21st day of May, 2013



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Sherif Hegazy, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

SS/

c: District Manager, MOE Halton-Peel District Office  
Water Supervisor, MOE Halton-Peel District Office  
Junior Mohammed, Region of Peel  
Peter Fray, City of Brampton  
Kathryn Lockyer, Clerk - Region of Peel  
Jeff Ormonde, P.Eng., Urbantech Consulting

**AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL**NUMBER 5626-8ZCPJT  
Issue Date: October 25, 2012

Mattamy (Credit River) Limited & Ashwid Developments Inc.  
2360 Bristol Circle  
Oakville, Ontario  
L6H 6M5

Site Location: Mount Pleasant Valley North Development  
Lot 11, Concession 4 WHS  
City of Brampton, Regional Municipality of Peel

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

construction of a **temporary sanitary sewage storage facility** consisting of a 1800 millimetre diameter maintenance hole (MH 6C) connected to a 20 metres long 3000 millimetre diameter concrete sanitary sewer, located on the north side Lagerfeld Drive and 60 metres south-west of Creditview Road and Lagerfeld Drive intersection, in the City of Brampton, together with modifications to existing sanitary sewers on Lagerfeld Drive in order to provide a total storage volume of **372.14 cubic meters** in the 3000 millimetre diameter concrete sanitary sewer and in the surcharged sewers from a bottom elevation of 235.19 metres up to an elevation of 242.75 metres, complete with the following:

- plug in the west outlet in MH 6A to divert flows to the temporary storage facility;
- 47.1 metres long 375 millimetre diameter temporary sanitary sewer from MH 6A to MH 6C;
- venting at both ends of the temporary sanitary sewage storage facility;
- installation of a float alarm system;
- emergency overflow outlet in MH 6C connected to the downstream sewer going from MH 6C to service maintenance hole (MH 5A);
- plug in east outlet of downstream sewer maintenance hole (MH 18A);
- installation of one (1) submersible pump (a Flygt Model Number NS3153.091MT) in MH 6C to pump sewage to the tanker trucks;
- removal of sewage from the temporary sanitary sewage storage facility and transportation to the McVean Sewage Pumping Station and/or the Clarkson Wastewater Treatment Plant, is to be done by

MOE licensed sewage haulers;

- A spare submersible pump and portable generator set will be stored nearby; and
- including all other controls and appurtenances essential for the proper operation of the aforementioned *Works* .

all in accordance with supporting documents listed in Schedule 'A'.

*For the purpose of this environmental compliance approval, the following definitions apply:*

"*Approval* " means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation listed herein;

"*Director* " means a person appointed by the Minister pursuant to section 5 of the *EPA* for the purposes of Part II.1 of the *EPA* ;

"*District Manager* " means the District Manager of the Halton-Peel District Office of the Ministry;

"*EPA* " means the Environmental Protection Act, R.S.O 1990, c.E.19, as amended;

"*Ministry* " means the Ontario Ministry of the Environment;

"*Owner* " means Mattamy (Credit River) Limited & Ashwid Developments Inc., and includes its successors and assignees;

"*Professional Engineer* " means a person entitled to practise as a Professional Engineer in the Province of Ontario under a licence issued under the Professional Engineers Act;

"*Substantial Completion* " has the same meaning as "*substantial performance* " in the Construction Lien Act ; and

"*Works* " means the sewage works described in this *Approval* .

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## **TERMS AND CONDITIONS**

### **1. GENERAL PROVISIONS**

1.1 The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Approval* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

1.2 Except as otherwise provided by these Conditions, the *Owner* shall design, build, install, operate and maintain the *Works* in accordance with the description given in this *Approval* , the application for approval of the *Works* and the submitted supporting documents and plans and specifications as listed in this *Approval* .

- 1.3 Where there is a conflict between a provision of any submitted document referred to in this *Approval* and the Conditions of this *Approval*, the Conditions in this *Approval* shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.
- 1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
- 1.5 The requirements of this *Approval* are severable. If any requirement of this *Approval*, or the application of any requirement of this *Approval* to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this *Approval* shall not be affected thereby.

## **2. EXPIRY OF APPROVAL**

- 2.1 This *Approval* shall expire and become null and void **two (2) years** after the issuance date of this *Approval*. In the event that the municipal sewage service is not constructed within the **two-year period** and the *Owner* is seeking a renewal for this *Approval*, an environmental compliance approval application for such an amendment shall be made no later than **four (4) months** prior to the two (2) years expiry date.
- 2.2 The *Owner* shall decommission the **temporary sanitary sewage storage facility** on or before the expiry date mentioned in Condition 2.1 of this *Approval*.

## **3. CHANGE OF OWNER**

- 3.1 The *Owner* shall notify the *District Manager* and the *Director*, in writing, of any of the following changes within **thirty (30) days** of the change occurring:
- (a) change of *Owner* ;
  - (b) change of address of the *Owner* ;
  - (c) change of partners where the *Owner* is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the *District Manager* ;
  - (d) change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information's Act, R.S.O. 1990, c. C39 shall be included in the notification to the *District Manager* ;
- 3.2 In the event of any change in ownership of the *Works*, other than a change to a successor municipality, the *Owner* shall notify in writing the succeeding owner of the existence of this *Approval*, and a copy of such notice shall be forwarded to the *District Manager* and the *Director*.
- 3.2 The *Owner* shall ensure that all communications made pursuant to this condition will refer to this *Approval*'s number.

## **4. UPON THE SUBSTANTIAL COMPLETION OF THE WORKS**

- 4.1 Upon the *Substantial Completion* of the *Works*, the *Owner* shall prepare a statement, certified by a

*Professional Engineer* , that the *Works* are constructed in accordance with this *Approval* , and upon request, shall make the written statement available for inspection by *Ministry* personnel.

- 4.2 Within **three (3) months** of the *Substantial Completion* of the *Works* , a set of as-built drawings showing the *Works* "as constructed" shall be prepared. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the *Works* for the operational life of the *Works* .

## **5. OPERATION AND PERFORMANCE**

- 5.1 The *Owner* shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the *Works* do not constitute a safety or health hazard to the general public.
- 5.2 The *Owner* shall undertake an inspection of the condition of the *Works* , at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, and debris are removed from the *Works* to prevent the excessive build-up of sediment, and debris.
- 5.3 The *Owner* shall maintain and service the *Works* in such a manner that leaks and spills are prevented.
- 5.4 The *Owner* shall have a valid agreement with a hauler who is in possession of a Waste Management Systems *Approval* at all times during the operation of the *Works* and submit a copy of the valid agreement with a licensed hauler to the *District Manager* .
- 5.5 The *Owner* shall ensure that the Accelerated Servicing Agreement with the Regional Municipality of Peel is signed before the construction of the *Works* .
- 5.6 The *Owner* shall exercise due diligence in ensuring that, at all times, the *Works* and the related equipment and appurtenances used to achieve compliance with this *Approval* are properly operated and maintained. Proper operation and maintenance shall include effective performance, adequate funding, adequate operator staffing and training, including training in all procedures and other requirements of this *Approval* and the *Act* and regulations, process controls and alarms, and other substances used in the *Works* .
- 5.7 The *Owner* shall prepare an operations manual prior to the *Substantial Completion* of the *Works* that includes, but not necessarily limited to, the following information:
- (a) operating procedures for routine operation of the *Works* ;
  - (b) inspection programs, including frequency of inspection, for the *Works* and the methods or tests employed to detect when maintenance is necessary;
  - (c) procedures for the removal and disposal of sewage from the *Works* to an approved sewage disposal site by an MOE licensed sewage hauler;
  - (d) a spill prevention control and countermeasures plan, consisting of contingency plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal situations, including notification of the Spills Action Centre (SAC) at (416) 325-3000 or 1-800-268-6060; and

- (e) procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken and the corrective measures taken to alleviate the cause and prevent its reoccurrence.

- 5.8 The *Owner* shall maintain a logbook to record the septage volumes pumped from the *Works* , date, hauler's name, septage disposal, inspections, cleaning and maintenance operations undertaken and shall make the logbook available for inspection by the *Ministry* upon request.
- 5.9 The *Owner* shall maintain the operations manual current and retain a copy at the location of the *Works* for the operational life of the *Works* . Upon request, the *Owner* shall make the manual available to *Ministry* staff.
- 5.10 The *Owner* shall ensure that appropriate mitigative measures are taken should any objectionable odour be generated from the *Works* .

## **6. RECORD KEEPING**

- 6.1 The *Owner* shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this *Approval* . These records and information shall be made available for inspection by the *Ministry* , upon request.

Schedule 'A' forms part of this *Approval* and contains a list of supporting documentation / information received, reviewed and relied upon in the issuance of this *Approval* .

**SCHEDULE 'A'**

1. Application for Approval of Sewage Works submitted by Rhys Cavill, of R.J. Burnside & Associates Limited, dated September 07, 2012, and signed by Frank Doracin, ASO, Mattamy (Credit River) Limited & Ashwid Developments Inc., including final plans and specifications prepared by R.J. Burnside & Associates Limited.

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 is imposed to ensure that the *Works* are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in this *Approval* and the practice that this *Approval* is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the owners their responsibility to notify any person they authorized to carry out work pursuant to this *Approval* the existence of this *Approval* .
2. Condition 2 is included to ensure that the *Works* are constructed in a timely manner so that standards applicable at the time of *Approval* of the *Works* are still applicable at the time of construction, to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the *Ministry* records are kept accurate and current with respect to approved *Works* and to ensure that subsequent owners of the *Works* are made aware of this *Approval* and continue to operate the *Works* in compliance with it.
4. Condition 4 is included to ensure that record drawings of the *Works* "as constructed" are maintained for future references.
5. Condition 5 is included to require that the *Works* be properly operated, maintained, funded, and equipped such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented. It is also included to ensure that the *Owner* has made all necessary arrangement for the disposal of sewage from the *Works* .
6. Condition 6 is included to require that all records are retained for a sufficient time period to adequately evaluate the operation and maintenance of the *Works* .

**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 4703-8TFHPZ issued on April 23, 2012.**

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.*

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;

5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

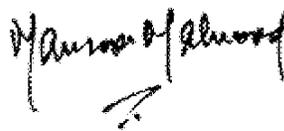
AND

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 25th day of October, 2012



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Mansoor Mahmood, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

AA/

c: District Manager, MOE Halton-Peel District Office  
Junior Mohammed, P.Eng., Supervisor, Development Services, P. Works – Regional Municipality of Peel  
Rhys Cavill, C.E.T., R.J. Burnside & Associates Limited

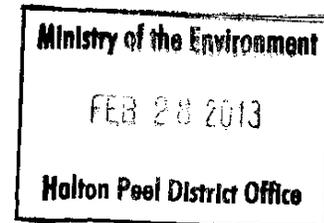
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**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 5235-946KWK

Issue Date: February 19, 2013

Ashwid Developments Inc.  
2360 Bristol Circle  
Oakville, Ontario  
L6H 6M5



Site Location: Mount Pleasant North, Phase 2  
Lot 11 and 12, Concession 4  
City of Brampton, Regional Municipality of Peel

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

establishment of a stormwater management facility (wet pond) to serve the approximately 11.39 hectare Mount Pleasant North Phase 2 residential subdivision, located east of Mississauga Road, north of Bovaird Drive and CNR right-of-way, including approximately 42.66 hectares of additional land located to the north of the subdivision on the east side of Mississauga Road, approximately 19.2 hectares of additional undeveloped land located on the west side of Mississauga Road, and approximately 10.3 hectares of Mississauga Road, all within the East Hutton Creek subwatershed in the City of Brampton, for the collection, treatment and disposal of stormwater run-off to provide Enhanced Level water quality control and erosion protection and to attenuate post-development peak flows to targeted outflow rates established in the Huttonville Fletcher's Subwatershed Study (HFSWS) for the 25-year, 100-year and Regional storm events, consisting of the following:

**stormwater management facility** (located adjacent to Mississauga Road at the CNR right-of-way, identified as Pond HE-4 - 83.24 hectare catchment area): - a clay lined wet pond with a sediment forebay, having a permanent pool volume of 18,340 m<sup>3</sup>, an extended detention volume of 9,174 m<sup>3</sup>, and a total storage volume of approximately 59,243 m<sup>3</sup>, including the permanent pool volume, at a total depth of approximately 5.45 m, complete with:

- one (1) 1950 mm diameter inlet pipe with concrete headwall and rip-rap protection, discharging to the sediment forebay,
- one (1) 825 mm diameter inlet pipe with concrete headwall and rip-rap protection from Tysonville Circle, discharging to the sediment forebay,
- one (1) 8 m wide maintenance road cable concrete inlet spillway, directing overland flow from Aldersgate Drive to the sediment forebay,
- one (1) 6 m wide cable concrete inlet spillway, directing overland flow from Mississauga Road and emergency

flows from Rockbrook Trail to the sediment forebay,

- one (1) 6 m wide cable concrete inlet spillway, directing overland flow from Tysonville Circle to the sediment forebay,
- one (1) 450 mm diameter inlet pipe with concrete headwall and rip-rap protection from the rear of lots 38 to 44 on Tysonville Circle, discharging to the main cell,
- one (1) 300 mm diameter reverse slope outlet pipe with a 1 m perforated length placed within a clear stone jacket in the main cell, discharging to an outlet control structure, identified below,
- one (1) 1800 mm by 1800 mm outlet control structure in the main cell with a honeycomb grate, complete with a 300 mm diameter reverse slope inlet pipe with a 155 mm diameter orifice, a 380 mm wide by 1600 mm high rectangular inlet orifice with grate cut in the side of the outlet control structure, and a 1200 mm diameter outlet pipe, discharging through MH A and a concrete headwall with armour stone protection to the proposed East Hutton Creek Natural Heritage System (NHS) open channel,
- one (1) 13 m wide by 300 mm deep emergency outfall spillway from the main cell, discharging through an overland channel spillway to the proposed Natural Heritage System (NHS) open channel;

all discharging to East Hutton Creek, the Credit River and Lake Ontario;

including erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted supporting documents listed in Schedule "A" forming part of this Approval.

*For the purpose of this environmental compliance approval, the following definitions apply:*

"Approval" means this entire document including the application and any supporting documents listed in any schedules in this Approval;

"Director" means a person appointed by the Minister pursuant to section 5 of the Environmental Protection Act for the purposes of Part II.1 of the Environmental Protection Act;

"District Manager" means the District Manager of the Halton-Peel District Office of the Ministry;

"Ministry" means the ministry of the government of Ontario responsible for the Environmental Protection Act and the Ontario Water Resources Act and includes all officials, employees or other persons acting on its behalf;

"Owner" means Ashwid Developments Inc. and includes its successors and assignees;

"Works" means the sewage works described in the Owner's application(s) and this Approval.

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## TERMS AND CONDITIONS

### 1. GENERAL PROVISIONS

- (1) The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the Conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
- (2) The designation of The City of Brampton as the operating authority of the site on the application for approval of the Works does not relieve the Owner from the responsibility of complying with any and all of the Conditions of this Approval.
- (3) Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.
- (4) Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.
- (5) Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
- (6) The Conditions of this Approval are severable. If any Condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such Condition to other circumstances and the remainder of this Approval shall not be affected thereby.
- (7) The issuance of, and compliance with the Conditions of this Approval does not:
  - (a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the sewage Works; or
  - (b) limit in any way the authority of the Ministry to require certain steps be taken to require the Owner to furnish any further information related to compliance with this Approval.
- (8) This Approval is for the treatment and disposal of stormwater run-off from the Mount Pleasant North Phase 2 residential subdivision (approximately 11.4 hectares). This Approval is also for the treatment and disposal of stormwater run-off from existing and anticipated future development within the area draining to the stormwater management facility, for a total drainage area of 83.24 hectares, assuming an average imperviousness of 65% for 64.02 hectares and 7% for the 19.22 hectares of additional undeveloped land located on the west side of Mississauga Road. Any future development changes within the total drainage area that might increase the required storage volumes or increase the flows to or from the wet pond or any structural/physical changes to the wet pond including inlets or outlets will require an amendment to this Approval.

2. EXPIRY OF APPROVAL

This Approval will cease to apply to those parts of the Works which have not been constructed within **five (5) years** of the date of this Approval.

3. CHANGE OF OWNER

The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within **thirty (30) days** of the change occurring:

(a) change of Owner;

(b) change of address of the Owner;

(c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c. B17 shall be included in the notification to the District Manager; and

(d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.

4. OPERATION AND MAINTENANCE

(1) The Owner shall ensure that the design minimum liquid retention volume is maintained at all times.

(2) The Owner shall inspect the Works at least **once a year** and, if necessary, clean and maintain the Works to prevent the excessive build-up of sediments and/or vegetation.

(3) The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the Owner's office for inspection by the Ministry. The logbook shall include the following:

(a) the name of the Works; and

(b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed.

5. RECORD KEEPING

The Owner shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Approval.

### Schedule "A"

1. Application for Environmental Compliance Approval, dated October 16, 2012 and received on December 24, 2012, submitted by Urbantech Consulting;
2. Stormwater Management Design Brief SWM Facility HE-4, Ashwid Developments Inc., dated February 2012, prepared by Urbantech Consulting;
3. E-mail from Andrew Fata of Urbantech Consulting to the Ministry, dated January 25, 2013;
4. E-mail from Andrew Fata of Urbantech Consulting to the Ministry, dated February 6, 2013; and
5. E-mail from Andrew Fata of Urbantech Consulting to the Ministry, dated February 12, 2013.

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This Condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.
2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that any subsequent Owner of the Works is made aware of the Approval and continues to operate the Works in compliance with it.
4. Condition 4 is included to require that the Works be properly operated and maintained such that the environment is protected.
5. Condition 5 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the Works.

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required; and
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director; and
8. The municipality or municipalities within which the project is to be engaged in

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act

655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

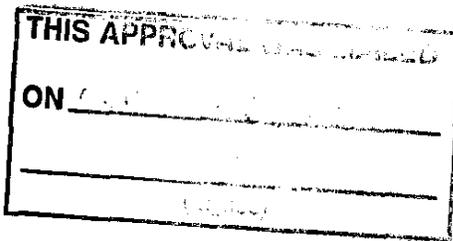
AND

Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 19th day of February, 2013



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Mansoor Mahmood, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

DC/  
c: District Manager, MOE Halton-Peel  
Jeff Ormonde, Urbantech Consulting

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 7720-8RFRZD

Issue Date: February 16, 2012

Ashwid Developments Inc.  
2360 Bristol Cir, No. Unit 200  
Oakville, Ontario  
L6H 6M5

Site Location: Lot 11 and 12, Concession 4  
Brampton City, Regional Municipality of Peel

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

establishment of stormwater management works for the collection, transmission, treatment and disposal of stormwater run-off from a catchment area of approximately 44.79 ha in area including 39.57 ha of Mattamy (Credit River) Limited, 3.86 ha of Mattamy (Credit River) Limited MPV phase III, and 1.36 ha of City of Brampton's ultimate Creditview Road ROW area, to provide Enhanced Level water quality protection and to attenuate post-development peak flows to pre-development peak flow for all storm events up to and including the 100-year return storm event, consisting of the following;

**SWM Wet Pond**

- a wet pond with a sediment forebay, having a permanent pool volume of 10,246 m<sup>3</sup>, an extended detention volume of 10,419 m<sup>3</sup>, and a total storage volume of 27,092 m<sup>3</sup> at a total depth of 4.7 m, together with;
- one sediment forebay has an overall length-to-width of 4:1 with an average depth of 1.5 m. The forebay is separated from the main pond by a 15 m wide berm;
- one (1) 1650 mm diameter inlet pipe with armour stone wingwall and rip-rap protection, to discharge to the sediment forebay,
- one (1) 15 m emergency cable concrete spillway to discharge to the main pond,
- one (1) 300 mm diameter reverse slope outlet perforated PVC pipe with a 100 mm diameter orifice, to discharge to a Control Manhole,
- one 1800 mm x 1200 mm Outlet Control Structure with an 1.10 m height by 0.35 m width rectangular orifice to control 2-year to 100-year flows which is connected to the Control Manhole via an 825 mm concrete pipe;
- one (1) 825 mm diameter outlet pipe with a concrete headwall from the Outlet Control Manhole to a rip-rap lined Plunge Pool and ultimately discharge to East Huttonville Creek at a maximum

rate of 0.86 m<sup>3</sup>/s through a Cooling Gallery, with a discharge design rate as determined in the Huttonville Fletcher's Subwatershed Study.

- one (1) 10 m wide by 0.3m deep Emergency Spillway weir outlet lined with rip-rap,
- one (1) 4 m wide maintenance access road to sediment forebay, inlet structure and main pond with 2.4 m – 3.0 m asphalt Trails.

including erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned Works.

All in accordance with the following submitted supporting documents:

1. Application for Approval of Industrial Sewage Works submitted by Frank Doracin, ASO- President Land Division of the Ashwid Development Inc., dated November 17, 2011, with supporting information prepared by Urbantech Consulting;
2. Mattamy (Credit River) Limited Stormwater Management Design Brief SWM Facility HE-5, prepared by Jeff Ormonde, P.Eng., Dated November 2011, and final set of drawings.

*For the purpose of this environmental compliance approval, the following definitions apply:*

*"Act"* means the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended;

*"Approval"* means this entire document and any schedules attached to it, and the application;

*"Director"* means a person appointed by the Minister pursuant to section 5 of the *EPA* for the purposes of Part II.1 of the *EPA*;

*"District Manager"* means the District Manager of the Halton-Peel District Office;

*"EPA"* means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;

*"Ministry"* means the ministry of the government of Ontario responsible for the *EPA* and *OWRA* and includes all officials, employees or other persons acting on its behalf;

*"Owner"* means Ashwid Developments Inc. and its successors and assignees;

*"OWRA"* means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended

*"Source Protection Plan"* means a drinking water source protection plan prepared under the Clean Water Act, 2006; and

*"Works"* means the sewage works described in the *Owner* 's application, and this *Approval*.

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and*

conditions outlined below:

## TERMS AND CONDITIONS

### 1. GENERAL PROVISIONS

(1) The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Approval* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

(2) Except as otherwise provided by these conditions, the *Owner* shall design, build, install, operate and maintain the *Works* in accordance with the description given in this *Approval*, and the application for approval of the *Works*.

(3) Where there is a conflict between a provision of any document in the schedule referred to in this *Approval* and the conditions of this *Approval*, the Conditions in this *Approval* shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.

(4) Where there is a conflict between the documents listed in the Schedulesubmitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

(5) The Conditions of this *Approval* are severable. If any Condition of this *Approval*, or the application of any requirement of this *Approval* to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this *Approval* shall not be affected thereby.

### 2. EXPIRY OF APPROVAL

The approval issued by this *Approval* will cease to apply to those parts of the *Works* which have not been constructed within five (5) years of the date of this *Approval*.

### 3. CHANGE OF OWNER

The *Owner* shall notify the *District Manager* and the *Director*, in writing, of any of the following changes within thirty (30) days of the change occurring:

(a) change of *Owner*;

(b) change of address of the *Owner*;

(c) change of partners where the *Owner* is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the *District Manager*; and

(d) change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the *District Manager*.

4. OPERATION AND MAINTENANCE.

(1) The *Owner* shall ensure that the design minimum liquid retention volume(s) is maintained at all times.

(2) The *Owner* shall inspect the *Works* at least once a year and, if necessary, clean and maintain the *Works* to prevent the excessive buildup of sediments and/or vegetation.

(3) The *Owner* shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the *Owner's* main office for inspection by the *Ministry*. The logbook shall include the following:

(a) the name of the *Works*; and

(b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed.

5. RECORD KEEPING

The *Owner* shall retain for a minimum of five (5) years from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this *Approval*.

6. SOURCE WATER PROTECTION

The *Owner* shall, within sixty (60) calendar days of the Minister of the Environment posting approval of a *Source Protection Plan* on the environmental registry established under the Environmental Bill of Rights, 1993 for the area in which this *Approval* is applicable, apply to the *Director* for an amendment to this *Approval* that includes the necessary measures to conform with all applicable policies in the approved *Source Protection Plan*.

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 is imposed to ensure that the *Works* are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the *Approval* and the practice that the *Approval* is based on the most current document, if several conflicting documents are submitted for review.
2. Condition 2 is included to ensure that, when the *Works* are constructed, the *Works* will meet the standards

that apply at the time of construction to ensure the ongoing protection of the environment..

3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved *Works* and to ensure that subsequent owners of the works are made aware of the *Approval* and continue to operate the works in compliance with it.
4. Condition 4 is included to require that the *Works* be properly operated and maintained such that the environment is protected .
5. Condition 5 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the *Works*.
6. Condition 6 is included to ensure that the works covered by this *Approval* will conform to the significant threat policies and designated Great Lakes policies in the *Source Protection Plan*.

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

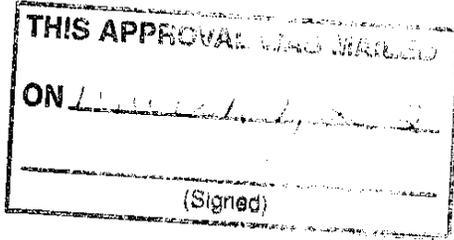
AND

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 16th day of February, 2012



---

Ian Parrott, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

ET/

c: District Manager, MOE Halton-Peel  
Jeff Ormonde, Urbantech Consulting



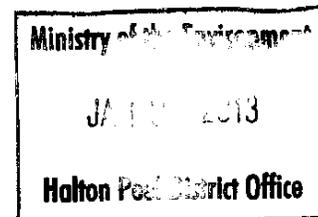
Ministry of the Environment  
Ministère de l'Environnement

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 8752-93XUDS

Issue Date: January 15, 2013

Ashwid Developments Inc.  
2360 Bristol Circle, Unit 200  
Oakville ON L6H 6M5



Site Location: Mount Pleasant North, Phase 2  
Lots 11 and 12, Concession 4 West of Hurontario Street,  
geographic township of Chinguacousy  
City of Brampton, Regional Municipality of Peel, Ontario

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

**storm sewers** and **sanitary sewers** to be constructed in the City of Brampton, in the Regional Municipality of Peel, as follows:

**storm sewers** on Aldersgate Drive and Tysonville Circle, and in Block 146, Block 147, Block 149, and Block 153; and

**sanitary sewers** on Aldersgate Drive and Tysonville Circle;

all in accordance with the application from Ashwid Developments Inc., dated **October 16, 2012**, including final plans and specifications prepared by Leighton-Zec Ltd.

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

AND

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 15th day of January, 2013

*Jan. 15, 2013  
20*



---

Sherif Hegazy, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

MC/

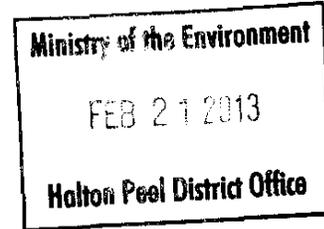
- c: District Manager, MOE Halton-Peel  
Jeff Ormonde, P.Eng., Leighton-Zec Ltd.  
Kathryn Lockyer, Clerk, The Regional Municipality of Peel  
Junior Mohammed, P.Eng., Supervisor, The Regional Municipality of Peel (File: T-10013Ba)  
Peter Fay, Clerk, The Corporation of the City of Brampton

Ministry of the Environment  
Environmental Approvals Branch  
2 St. Clair Avenue West, # 12A  
Toronto, ON M4V 1L5

February 14, 2012  
File: T-10022B

Attention: Sherif Hegazy, P.Eng, Director

**Re: Mattamy (Credit River) Limited  
Lands South of CNR  
Lot 11 & 12 , Concession 4 WHS  
City of Brampton**



We are enclosing application forms, draft certificates and drawings for the construction of sanitary sewers and storm sewers at the above location.

We have reviewed the sanitary design and have determined that it's in accordance with your guidelines and Region of Peel design standards. The storm sewer design conforms to Ministry guidelines and City of Brampton design standards. We, therefore, recommend approval of the applications.

A copy of the applications has been forwarded to the M.O.E., Halton-Peel District Office for their information. We also acknowledge the receipt of \$1,100.00 from the applicant for processing the approval application.

In response to this office, please refer to the above file number.

If you have any further questions, please contact Bob Lipka at (905) 791-7800 Ext. 5071.

Yours truly,

Junior Mohammed, P.Eng.  
Supervisor  
Engineering, Development Services  
Public Works

ST  
ET/dw

M.O.E., Halton-Peel District Office  
O.P. Terminesi - City of Brampton

---

**Public Works**

10 Peel Centre Dr., Suite B, Brampton, ON L6T 4B9  
Tel: 905-791-7800 www.peelregion.ca

**ENVIRONMENTAL COMPLIANCE APPROVAL  
MUNICIPAL SEWAGE  
NUMBER 3-**

**Mattamy (Credit River) Limited  
2360 Bristol Circle  
Oakville ON L6H 6M5**

*You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:*

Sanitary and storm sewers to be constructed in conjunction with Project No. 21T-10022B Lot 11 & 12 Concession 4 WHS in the City of Brampton in the Regional Municipality of Peel, as follows:

**Sanitary**

Lagerfeld Drive

**Storm**

Lagerfeld Drive

All in accordance with the following documents, namely, final plans and specifications prepared by Urbantech Consulting.

*The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.*

**DATED AT TORONTO this      day of**

Sherif Hegazy, P. Eng.  
Director  
Section 53  
Ontario Water Resources Act

ET/dw

c: District Manager, M.O.E., Halton-Peel District Office  
Kathryn Lockyer, Clerk - Region of Peel  
Bob Lipka Region of Peel  
Peter Fay- City of Brampton  
Dragan Zec, P.Eng. Urbantech Consulting

## TRANSFER OF REVIEW PROGRAM APPLICATION SUBMISSION CHECKLIST

<i>This application has been reviewed under the Transfer of Review Program</i>	
--	--

**Applicant: Mattamy (Credit River) Limited**

**Project Name: Mattamy (Credit River) Limited Lands South of CNR, 21T-10022B**

**Site Address: City of Brampton part of Lot 11 & 12 Concession 4 WHS**

**APPLICANT SHOULD INCLUDE THE FOLLOWING:**

<b>MOE APPLICATION:</b>	
signed by proponent	<b>Y</b>
dated by proponent	<b>Y</b>
signed and dated by other interested parties (i.e., engineer, operating authority)	<b>Y</b>
<b>SUPPORTING DOCUMENTATION:</b>	
if the applicant is a Corporation provide (Form 1, 2 or 3 of O. Reg. 182) filed under the <i>Corporations Information Act</i> or the most current registration filed under the <i>Business Names Act, 1990</i>	<b>Y</b>
if the applicant is an individual provide a copy of the applicant's birth certificate or passport and only if such are unavailable, a copy of the Driver's Licence (clear and legible)	<b>N/A</b>
<i>Environmental Assessment Act</i> requirements are fulfilled (indicate how; submit Notice of Completion if applicable) or if exempt, proponent needs to quote applicable O. Reg./Order or to provide written rationale	<b>N/A</b>
technical documents (i.e., pipe data form, plans*, design sheets, specifications, design brief, SWM report, completed Tables 1 to 3 of the pipe data form pertaining to a pumping station design) (highlight items)	<b>Y</b>
Development Permit**	<b>N/A</b>

\* Stamped and signed by a Professional Engineer

\*\* Under section 24(3) of the *Niagara Escarpment Planning and Development Act*, it is illegal to issue a Certificate of Approval unless a "Development Permit" has been issued for the development.

**REVIEW MUNICIPALITY SHOULD INCLUDE THE FOLLOWING:**

original application as submitted by the proponent	<b>Y</b>
confirmation that the applicant has submitted one set of the application package to the MOE District Office and that District Office clearance has been obtained	<b>Y</b>
evidence by the proponent of Conservation Authority and/or MNR clearance for SWM works and stormwater outfalls to other than existing storm sewers or existing SWM ponds	<b>N/A</b>
hard copy of a draft Certificate of Approval with accurate description	<b>Y</b>
digital copy of a draft Certificate of Approval for the works e-mailed to <a href="mailto:SRU-TOR-COFA.moe@ontario.ca">SRU-TOR-COFA.moe@ontario.ca</a> for all works submitted under the Program other than watermains, sanitary and storm sewers (indicate the site address in the subject line of the e-mail)	<b>N/A</b>
<b>Letter of Recommendation</b>	<b>Y</b>
Comments:	

# Application

General Information and Instructions .....	2	Regulatory Requirements.....	14	5.5 Waste Management Systems	
Application Summary.....	4	3.1 Environmental Bill of Rights (EBR)		(Except Mobile Waste Processing) ...	30
Required Information .....	5	Requirements .....	14	5.6 Waste Management System	
1 Applicant Information.....	6	3.2 Environmental Assessment Act (EAA)		Mobile Waste Processing .....	36
1.1 Applicant Information .....	6	Requirements .....	14	Cleanup of Contaminated Sites .....	38
1.2 Applicant Physical Address .....	6	3.3 Consultation/Notification .....	15	<b>6 Supporting Documentation</b>	
1.3 Applicant Mailing Address .....	7	<b>4 Site Information .....</b>	<b>16</b>	<b>and Technical Requirements .....</b>	<b>39</b>
1.4 Statement of the Applicant .....	7	4.1 Site Address or Storage Location .....	16	6.1 General.....	39
1.5 Statement of the Municipality .....	7	4.2 Site or Storage Location Information .....	17	6.2 Air .....	40
<b>2 Project Information.....</b>	<b>8</b>	4.3 Site Zoning and Classification .....	17	6.3 Noise and Vibration .....	40
2.1 Reason for Application.....	8	4.4 Point of Entry into Ontario.....	18	6.4 Sewage.....	41
2.2 Project Type.....	8	4.5 Source Protection/Drinking Water Threats .....	18	6.5 Waste Disposal Sites .....	42
2.3 Approval Information.....	9	4.6 Receiver of Effluent Discharge .....	19	6.6 Waste Management Systems .....	42
2.4 Other Approval/Permits for Facility .....	9	<b>5 Facility Information.....</b>	<b>20</b>	6.7 Mobile Waste Processing .....	43
2.5 Technical Contacts .....	10	5.1 Air .....	20	6.8 Cleanup of Contaminated Sites .....	43
		5.2 Noise .....	22	6.9 Other Attachments .....	43
		5.3 Sewage Works.....	24	<b>7 Payment Information.....</b>	<b>45</b>
		5.4 Waste Disposal Site .....	26		

ontario.ca/environment



[Print Form](#)

[Clear Form](#)

[Help](#)

**General Information:**

Information requested in this form is collected under the authority of the Environmental Protection Act (EPA), Ontario Water Resources Act (OWRA) and Environmental Bill of Rights (EBR), and will be used to evaluate applications for Environmental Compliance Approvals (E-CAs) issued under Part II.1 of the EPA. This application form should not be used for *mobile PCB destruction facilities* and *land application sites of septage and biosolids*.

**For all questions related to preparing or submitting this form or about the Ministry's collection of information related to applying for an ECA, contact:**

**Environmental Approvals Access and Service Integration Branch**

2 St. Clair Ave. West, Floor 12A,  
Toronto, Ontario M4V 1L5.  
Telephone outside Toronto 1-800-461-6290  
or in Toronto 416-314-8001.

This office can also provide you with copies of application forms and supporting documentation.

**Instructions:**

1. Applicants are responsible for ensuring that they complete the most recent application form. Application forms and information about the required supporting documentation and technical requirements are available from the **Environmental Approvals Access and Service Integration Branch** (the address and phone number are provided in the General Information on this page). As well, you can get this information from your local District Office of the Ministry of the Environment, and on the Resources section of the Ministry of the Environment website at: [www.ene.gov.on.ca/environment/en/resources/index.htm](http://www.ene.gov.on.ca/environment/en/resources/index.htm).

2. A complete application consists of:  
• a completed and signed application form;  
• all required supporting documents and technical requirements identified in:  
i. this form;  
ii. Ministry guidance;  
iii. the Applications for Environmental Compliance Approvals regulation, and  
• payment of the application fee (in Canadian funds) by certified cheque or money order made payable to the Minister of Finance, or credit card payment (for payments up to \$10,000). For *Transfer of Review*, make your cheque or money order payable to the appropriate municipality.

**The Ministry may return incomplete applications to the applicant.** The Director may require additional information of any application initially accepted as complete.

- 3. Submit the complete application as follows:
  - One (1) paper copy (unless your application is a *Transfer of Review*), one (1) electronic copy and the fee to the **Director, Environmental Approvals Access and Service Integration Branch** at the address provided in the General Information on this page.
  - If your application is a *Transfer of Review*, you must submit two (2) copies of the completed application and the fee to the designated municipal authority.

- 4. You must also send a copy of the application without the fee to the local Ministry District Office that has jurisdiction over the area where the facilities are located. DO NOT send payment to the District Office.
  - To locate the appropriate local Ministry District Office, visit the Ministry of the Environment website at: [www.ene.gov.on.ca/environment/en/about/regional\\_district\\_offices/index.htm](http://www.ene.gov.on.ca/environment/en/about/regional_district_offices/index.htm).

- 5. For Waste Disposal Sites you must also send a copy of the application without the fee to the Clerk's office of the local municipality (both upper and lower tier) in which the facility/proposed facility is located unless the application is for a revocation or an amendment that is environmentally insignificant or the applicant is a

municipality. **DO NOT** send any payment information to the municipality.

Information collected by the Ministry of the Environment is subject to the Freedom of Information and Protection of Privacy Act (FIPPA). If you are of the view that any part of application is confidential on the grounds that such information constitutes a trade secret or scientific, technical, commercial, financial or labour relations information, please make this known now. Otherwise, the Ministry may make the information available to the public without further notice to you.

It is an offence under the EPA and OWRA to provide false or misleading information in this application and/or accompanying documents.

### The Electronic Form Smart Features

The electronic version of this form incorporates several features to assist you with completing your application.

The electronic form will highlight required information with [red] and [green] indicators. [Red] means that the information is required before the section is complete.

The form will also calculate certain values based on the information you enter and will assist you in ensuring that all required information is included with your application. You can save a copy of this form that includes any information you have entered.

These features are available in Adobe Reader version 8 or above. You can download a copy from the website at: <http://get.adobe.com/reader/otherversions/>.

### Smart Features Legend:

These active buttons appear throughout the Application form to provide additional support.

 Mandatory fields required to be filled in

 Mandatory fields completed

 Click on the question mark icon to receive additional information.

**Print Form**  
Prints the entire form.

**Clear Form**  
Clears the entire form.

**Calculate**  
Calculates fees.

**Calculate Button**  
Calculates fees.

Queen's Printer for Ontario, 2011

Ministry of the Environment  
Public Information Centre:  
Telephone: 416-325-4000  
Toll-free: 1-800-565-4923  
E-mail: [picemail.moe@ontario.ca](mailto:picemail.moe@ontario.ca)  
[www.ontario.ca/Environment](http://www.ontario.ca/Environment)

Initials

For Office Use Only

Date (yyyy/mm/dd)

Payment Received \$

Reference Number

### Application Summary

Applicant Name ?

Mattamy (Credit River) Limited

Project Name ?

Mattamy (Credit River) Limited-Lands South of C.N.R.

Project Description Executive Summary ?

The Mattamy (Credit River) Limited plan of subdivision for lands south of CN is bounded by the CNR tracks in the north, the GO lands in the east, Bovaird Drive in the south, and Mississauga Road in the west. The site is bisected by the East and West Huttonville Creeks, which have a confluence parallel to Mississauga Road. We are proposing 250mm of sanitary pipes and storm sewers over our site to service the Lands South of CNR. Please refer to dwgs and pipe data or details.

## Required Information ?

Completed (yes or no)

Project Name & Description

Fee Summary: ?

Yes		
No	Administrative Processing	\$
Yes	Review of EPA s. 9 activities	\$
Yes	Review of EPA s. 27 activities	\$
Yes	Review of OWRA s. 53 activities	\$
Yes	<b>Total Fee</b>	<b>\$</b>

Calculate

## Section 2: Project Information

**Application Status** Please complete the sections as shown above

The Ministry may request additional fees upon review of this application.

If you are submitting this form in print version only and are not using the smart calculation feature, please attach the fee calculation separately.

## Supplemental Application Information

See help text on required information for this section. ?

**1.1 Applicant Information ?**

Applicant Name (legal name of individual or organization as evidenced by legal documents)

**Mattamy (Credit River) Limited**

Business Name  same as Applicant Name

**Mattamy (Credit River) Limited**

Applicant Type:

- Corporation
- Individual
- Partnership
- Sole Proprietor
- Federal Government
- Municipal Government
- Provincial Government
- Other (describe):

Business Activity Description

Land Developer

Business Number

001564636

Business Website Address:

Primary North American Industry Classification System (NAICS) Code

:23

Other NAICS codes (select all that apply)

:23

Separate list attached?  Yes  No

**1.2 Applicant Physical Address ?**

Civic Address – Street Information (includes street number, name, type and direction)

2360 Bristol Circle

Survey Address

Lot Concession

Unit Identifier (suite or unit number)

Reference Plan

Municipality/Unorganized Township or Territory Upper Tier/District

Oakville

Province/State

Ontario

Country

Canada

Postal Code/ZIP Code

L6H 6M5

Telephone Number (include area code & ext.)

905-829-2424 ext. 905-829-7610

Mobile Number (include area code)

E-mail Address

Craig.Scarlett@mattamycorp.com

Description of location

Southwest corner of property

Physical location of front door or main entrance

Map Datum

NAD83

Zone

17

Geo Reference (required) ?

Accuracy Estimate

0.0 m

Geo-Referencing Method

GPS

UTM Easting

594343.00

UTM Northing

4835593.00

Applicant Information

Clear Form

1.3 Applicant Mailing Address ?

Same as Applicant Physical Address? Yes No
City Address - Street Information (including building and street address, suite, apt. and R. ext.)
Delivery Designator
Municipality/Organized Township or Territory Province/State
City/Town/City

1.4 Statement of the Applicant ?

I am authorized to prepare and submit this application and to make this certification. I have reviewed the complete application and I have made all inquiries that are necessary to declare to the best of my knowledge information and belief
The information contained in this application is complete and accurate
The Technical Contact(s) identified in this application has/have been authorized to prepare certain technical material, and act on behalf of the applicant to discuss this application with the Ministry of the Environment and to provide additional information about this application to the Ministry on request
The information provided to the Technical Contact(s) in relation to this application is complete and accurate

Name of Signing Authority (please print)
Frank Doracin
Telephone Number (include area code)
905-829-2424
E-mail Address
frank.doracin@maltamycorp.com
Title
President
Mobile Number (include area code)
905-829-7610
Date (yyyy/mm/dd)
2013/02/13

1.5 Statement of the Municipality N/A ?

I, the undersigned hereby declare on behalf of the Municipality that the Municipality has no objection to the registration of the works in the Municipality
Name of Municipality
REGION OF PEEL
Date (yyyy/mm/dd)
FEB 14 2013

Signature:
Mohammed P. Eng.
Supervisor

**Applicant Information**

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

Print Form Clear Form

**1.3 Applicant Mailing Address ?**

Same as Applicant Physical Address?  Yes  No

Civic Address - Street Information (civic numbering and street information includes street number, name type and direction) Unit Identifier (suite or unit number)

2360 Bristol Circle

Delivery Designator Delivery Identifier Postal Station

Municipality/Unorganized Township or Territory Province/State

Oakville

Ontario

Canada

Postal Code/ZIP Code

L6H 6M5

**1.4 Statement of the Applicant ?**

I am authorized to prepare and submit this application and to make this certification I have reviewed the complete application and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

• The information contained in this application is complete and accurate.

• The Technical Contact(s) identified in this application has/have been authorized to prepare certain technical material, and act on behalf of the applicant to discuss this application with the Ministry of the Environment and to provide additional information about this application to the Ministry on request.

• The information provided to the Technical Contact(s) in relation to this application is complete and accurate

Name of Signing Authority (please print)

Frank Doracin

Telephone Number (include area code & ext)

905-829-2424

E-mail Address

frank.doracin@mattiamycorp.com

Fax Number (include area code)

905-829-7610

Signature

Title

President

Mobile Number (include area code)

Date (yyyy/mm/dd)

2013/01/09

**1.5 Statement of the Municipality ?**

I the undersigned hereby declare on behalf of the Municipality, that the Municipality has no objection to the construction of the works in the Municipality

Name and Title (please print)

FRANK MAZZETTA, P. ENG. DEVAPEXALS ENGINEER, CITY OF BRAMPTON

Signature

Name of Municipality

Date (yyyy/mm/dd)

2013/02/06



2.1 Reason for Application ?

- New ECA
- Amendment to existing ECA
- Administrative amendment to existing ECA
- Application for renewal of limited operational flexibility
- Revocation of existing ECA
- Consolidation of existing ECAs

Are you adding a new project type to your site or a new municipal waste category/class code to your waste management systems or a new sewage facility type? Yes  No

Is this for Transfer of Review? Yes  No

2.2 Project Type (select all that apply) ?

Yes	N/A	Limited Operational Flexibility?	Pilot Project?	Yes	N/A	Limited Operational Flexibility?	Pilot Project?
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<input type="radio"/>							

# 2 Project Information

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

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## 2.3 Approval Information ?

Application initiated by:

- Applicant
- S. 20.18 Order (attach copy)
- Condition of existing approval
- Provincial Officer Order (attach copy)
- Inspection Report (attach copy)
- Other (specify):

Current Environmental Compliance Approvals that may be changed or amended by this application:  N/A

Separate list attached?  Yes  No

Environmental Compliance Approval Number	Date of Issuance (yyyy/mm/dd)	Environmental Compliance Approval Number	Date of Issuance (yyyy/mm/dd)
--	-------------------------------	--	-------------------------------

Proposed Environmental Compliance Approvals related to this project:  N/A

Separate list attached?  Yes  No

Project type	Ministry Reference Number (if applicable)	Have submitted	Have not submitted
		<input type="radio"/>	<input type="radio"/>
		<input type="radio"/>	<input type="radio"/>
		<input type="radio"/>	<input type="radio"/>
		<input type="radio"/>	<input type="radio"/>

## 2.4 Other Approval/Permits for Facility x N/A ?

Separate list attached?  Yes  No

List all other instruments (approvals or permits) issued by the Ministry of the Environment or applied for under the Environmental Protection Act, Environmental Assessment Act, Ontario Water Resources Act and Safe Drinking Water Act, 2002 and any Environmental Activity and Sector Registrations that are relevant to this application.

Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)	Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)
-----------------	-------------------	---	-----------------	-------------------	---

### 2.5 Technical Contacts

#### Technical Contact 1

Area of Responsibility (check all that apply)  Air  Noise/Vibration  Sewage  Waste

Name of Technical Contact  
Dragan Zec, P.Eng.

Company  
Urbantech Consulting

Telephone Number (include area code & ext.)  
905-946-9461 ext. 417

Mobile Number (include area code)  
905-946-9595

E-mail Address  
dzec@urbantech.com

#### Address Information:

Same as Applicant Mailing Address?  Yes  No (If no, please provide technical contact address information below.)

Civic Address – Street Information (includes street number, name, type and direction)

25 Royal Crest Court

Delivery Designator

Delivery Identifier

Postal Station

Unit Identifier (suite or unit number)

Suite 201

Municipality/Unorganized Township or Territory

Markham

Province/State

Ontario

Country

Canada

Postal Code/ZIP Code

L3R 9X4

I have been authorized by the applicant to prepare the technical materials for the area(s) of responsibility identified above that are included in the application. I have reviewed those technical materials and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The technical materials contained in this application in respect of the area(s) of responsibility identified above are complete and accurate.
- I have the relevant education and experience necessary to provide this certification.

Signature

Date (yyyy/mm/dd)

Print Form

Clear Form

Feedback

**3.1 Environmental Bill of Rights (EBR) Requirements ?**

Is this a proposal for a prescribed instrument under the EBR?  Yes  No

If yes, is this proposal exempted from the EBR requirements?  Yes  No

If yes, please check one of the following (Please provide supporting information.)

- This proposal has been considered in a substantially equivalent process of public participation. (EBR, 1993, s.30.)
- This proposal is for an emergency situation. (EBR, 1993, s. 29.)
- This proposal is for an amendment to or revocation of an existing Environmental Compliance Approval that is not environmentally significant. (EBR, 1993, s. 22 (3).)
- This proposal has been subject to or exempted from EAA Requirements or considered in a decision of a tribunal. (EBR, 1993, s. 32.)

**3.2 Environmental Assessment Act (EAA) Requirements ?**

Is the proposed undertaking subject to the requirements of the EAA?  Yes  No

If yes, please check one of the following:

- The undertaking has fulfilled the requirements of the EAA through an exemption provided under:
  - Section \_\_\_\_\_ of Ontario Regulation No. \_\_\_\_\_ or
  - Declaration/Exemption Order Number \_\_\_\_\_

If Regulation, Declaration Order or Exemption Order does not refer directly to this undertaking, please provide supporting documentation to explain why it applies to this facility.

The proposed undertaking has fulfilled the requirements of the EAA through the completion of a Class EA process:

Name of Class EA:

Schedule/Group/Category (if applicable):

If applicable, please submit a copy of the proof of completion (for example, Notice of Completion).

Was the undertaking subject of a Part II Order request(s)?  Yes  No If yes, please submit a copy of the Director's or Minister's decision letter.

The proposed undertaking has fulfilled all of the requirements for the EAA through:

completion of an Environmental Screening Process pursuant to O. Reg. 101/07 of the EAA

completion of an Environmental Screening Process pursuant to O. Reg. 116/01 of the EAA

Was the undertaking subject of an elevation request(s)?  Yes  No If yes, please submit a copy of the Director's decision letter.

If an appeal was made of the Director's decision, please also submit a copy of the Minister's decision letter.

completion of an Environmental Screening Process pursuant to O. Reg. 231/08 of the EAA

Was the undertaking subject of an objection(s)?  Yes  No If yes, please submit a copy of the Minister's decision letter.

The proposed undertaking has fulfilled the requirements of the EAA through the completion of an individual Environmental Assessment.

Please submit a copy of the signed Notice of Approval.

**3.3 Consultation/Notification ?**

**Are there any consultation/notification activities that you have undertaken to fulfill requirements by other legislation or through voluntary efforts?**

- Yes
- No

If yes, please:

- 1) describe the consultation/notification activities below; and
- 2) attach documents describing each of these consultation/notification activities, any changes to the project as a result of these activities and any planned consultation/notification activities in the future.

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4.1 Site Address or Storage Location ?

Will the vehicles or equipment be stored at more than one location? Yes No

Same as Applicant Physical Address? Yes No

Primary Civic Address - Street Information (includes street number, name, type and direction) Unit Identifier (suite or unit number)

Additional Civic Addresses - Separate list attached? Yes No Unit Identifier (suite or unit number)

Primary Survey Address

Lot Part of Lot 10, 11, and 12 Concession 4, West of Huontario Street Reference Plan
Additional Survey Addresses - Separate list attached? Yes No Reference Plan

Municipality/Unorganized Township or Territory City of Brampton Upper Tier/District Region of Peel Province/State Ontario Country Canada Postal Code/ZIP Code N/A

Non-address Information (includes any additional information to clarify the physical location)

Same as Applicant Physical Geo Reference? Yes No Geo Reference (required) ?

Description of location Map Datum NAD83 Zone 17 Accuracy Estimate 0.0 | m Geo-Referencing Method UTM Easting 594343.00 UTM Northing 4835593.00
Southwest corner of property NAD83 17 GPS
Physical location of front door or main entrance NAD83 17 GPS

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### 4.2 Site or Storage Location Information ?

Site Name Days and Hours of Operation  
Mattamy (Milton West) Limited Manaman Property 9-5

Ministry of the Environment District Office  
Halton-Peel District Office

#### Is the site (property) that is the subject of this application owned by the applicant?

If no, please include the owner's name, address and a signed document indicating that the applicant has the authority to install and operate the proposed activity, or store vehicles or equipment on the land.  Yes  No

#### Is the applicant the operating authority of the site that is the subject of this application?

If no, please include the operating authority name, address and phone number.  Yes  No

#### Is the site located in an area of development control as defined by the Niagara Escarpment Planning & Development Act (NEPDA)?

If yes, please attach a copy of the NEPDA permit for proposed activity.  Yes  No

#### Is the site within an area covered by the Oak Ridges Moraine Conservation Plan?

If yes, please attach proof of municipal planning approval for the proposed activity/work (for example, zoning by-law, letter from municipality, etc.)  Yes  No

### 4.3 Site Zoning and Classification ?

Current Land Use Official Plan Designation  
Vacant Commercial/low to medium residential

Current Zoning (Please attach zoning map, if available.)  
Mixed-use

Adjacent Land Use (select all that apply)

Adjacent Land Zoning

- Industrial  Commercial  Residential
- Agricultural  Recreational  Other (specify):

Commercial, GO Lands, Mixed-use, Residential

#### Does the current zoning permit the proposed activity?

Yes  No

#### Does the applicant have correspondence from the municipality to confirm that the current zoning of the property permits the proposed use?

Yes  No If yes, please attach correspondence from the municipality.

#### Does the official plan designation support the proposed activity?

Yes  No  N/A

**4.4 Point of Entry into Ontario** (for waste management system vehicles that are stored at an address outside of Ontario) ?

City in closest proximity to the point of entry Description of Point of Entry

**4.5 Source Protection/Drinking Water Threats** (sewage or waste disposal site applications only) ?

Check the source protection area(s) where the activity is/will be located:

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Ausable Bayfield         | <input type="checkbox"/> Grand River        | <input type="checkbox"/> Raisin Region                         | <input type="checkbox"/> Lower Thames Valley              |
| <input type="checkbox"/> Maitland Valley          | <input type="checkbox"/> Kettle Creek       | <input type="checkbox"/> South Nation                          | <input type="checkbox"/> St. Clair Region                 |
| <input type="checkbox"/> Cataraqui Region         | <input type="checkbox"/> Long Point         | <input type="checkbox"/> Grey Sauble                           | <input type="checkbox"/> Upper Thames River               |
| <input type="checkbox"/> Central Lake Ontario     | <input type="checkbox"/> Lakehead           | <input type="checkbox"/> Northern Bruce Peninsula              | <input type="checkbox"/> Crowe Valley                     |
| <input checked="" type="checkbox"/> Credit Valley | <input type="checkbox"/> Mattagami          | <input type="checkbox"/> Saugeen Valley                        | <input type="checkbox"/> Ganaraska                        |
| <input type="checkbox"/> Toronto and Region       | <input type="checkbox"/> Mississippi Valley | <input type="checkbox"/> Sault Ste. Marie                      | <input type="checkbox"/> Kawartha-Haliburton              |
| <input type="checkbox"/> Essex                    | <input type="checkbox"/> Rideau Valley      | <input type="checkbox"/> Lake Simcoe & Couchiching/Black River | <input type="checkbox"/> Lower Trent                      |
| <input type="checkbox"/> Halton                   | <input type="checkbox"/> Niagara            | <input type="checkbox"/> Nottawasaga Valley                    | <input type="checkbox"/> Otonabee-Peterborough            |
| <input type="checkbox"/> Hamilton                 | <input type="checkbox"/> North Bay Mattawa  | <input type="checkbox"/> Severn Sound                          | <input type="checkbox"/> Outside a source protection area |
| <input type="checkbox"/> Catfish Creek            | <input type="checkbox"/> Quinte             | <input type="checkbox"/> Sudbury                               |   |

Is the proposed activity located or planned to be located in a vulnerable area identified in a local assessment report source protection plan under the Clean Water Act, 2006?

Yes  No

If yes, what is/are the vulnerable area(s)/zone(s)?

- Wellhead Protection Areas  Surface Water Intake Protection Zones  
 Highly Vulnerable Aquifers  Significant Groundwater Recharge Areas

Is the activity being applied for identified as a significant drinking water threat in the assessment report for the local source protection area? ?

Yes  No

4.6 Receiver of Effluent Discharge (sewage applications only) ?

Intermediate Receiver Name Proposed SWM Pond outletting to East Huttonville Creek Watershed Name Springbrook

Surface Water Groundwater Other (specify): N/A

Has the facility received local Conservation Authority clearance? (for stormwater management facility discharging to the natural environment)

Yes N/A If yes, please include a copy of the Conservation Authority clearance.

Final Receivers X N/A ?

Will the proposed activity discharge sewage to any of the following critical receivers?

- Lake Simcoe Rideau River Detroit River Other (specify):
Great Lakes Rouge River Bay of Quinte

Is the receiver a Policy 2 receiver? Yes No

Do you have a Policy 2 deviation approval from the directors? Yes No If yes, please attach a copy of the Director's approval.

5.3 Sewage Works ? IF YOUR APPLICATION DOES NOT CONTAIN SEWAGE WORKS PLEASE PROCEED TO SECTION 5.4

5.3.1 Facility Type – Sewage Works ? Select the type of facility that is the subject of the application (select all that apply). Sewage Treatment Plant (STP)

Further information:

- Primary Secondary Tertiary Receives septage Constructed/Engineered Wetlands On-site system Lagoons (check all that apply below) Septage Municipal Other (specify):

Municipal or private facility

Category: New 1 2 3 4 <= 4,550 m³/day > 4,550 m³/day

Facility for the treatment of leachate

Category: New 1 2 3 4

Facility for the treatment of industrial process wastewater

Category: New 1 2 3 4

Facility for the disposal of non-contact cooling water

Subsurface disposal

Please indicate the design capacity of the subsurface disposal:

<= 15 m³/day > 15 m³/day and < 50 m³/day > 50 m³/day

Stormwater Management Facility

Category: New 1 2 3 4 Wet Pond Dry Pond Other (specify):

For the following, you must complete and attach the relevant sections of the pipe data form:

- Storm Sewers Ditches Combined Sewers Force mains Sanitary Sewers Pumping Station

Is a Hydrogeological Assessment required? Yes No (If yes, please attach the hydrogeological assessment.)

Is a review of effluent criteria assessment for stormwater management, cooling water or soil remediation facilities required? Yes No

(If yes, please attach the final effluent criteria accepted by the Regional Office of the Ministry.)

Is a review of effluent criteria assessment for municipal or private sewage, industrial process wastewater or leachate treatment plant required? Yes No

(If yes, please attach the final effluent criteria accepted by the Regional Office of the Ministry.)

5.3.2 Servicing ?

The works will provide sewage servicing for (select all that apply):

- Residential
  - Subdivision
  - Condominium
  - Institutional
  - Other (specify):
- Commercial
  - Hotel, Motel, Inn
  - Resort
  - Restaurant
- Industrial
  - Campground, Park
  - Shopping Malls
  - Highway Service Station/Gas Bars
  - Rental Cabins
  - Other (specify): **Commerical buildings by others**

Is there a Municipal Responsibility Agreement in place?  Yes  No  N/A

If yes, please attach a copy of the Municipal Responsibility Agreement.

5.3.3 Sewage Servicing for Waste Disposal/Landfill Sites ?

Does/Will the sewage treatment facility receive waste disposal/landfill site leachate?  Yes  No If yes, please identify the site(s) below.

Name of Site Contributing Leachate

- 1.
- 2.
- 3.
- 4.
- 5.

Environmental Compliance Approval Number

Volume of leachate (m<sup>3</sup>)

Print Form Clear Form [Feedback/Comments](#)

**6.1 General** — THIS IS A LIST OF SUPPORTING INFORMATION TO THIS APPLICATION AND IS SUBJECT TO THE FIPPA AND EBR. ?

Attachment	Attached	If no, provide explanation. (include referenced attachment if more space is required for rationale)		Confidential* (v)
<input checked="" type="checkbox"/> Proof of legal name	Yes <input checked="" type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
Enhanced EBR description	Yes <input type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
Provincial Officer Notice	Yes <input type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
Inspection Report	Yes <input type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
<input checked="" type="checkbox"/> Detailed project and process description	Yes <input checked="" type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
<input checked="" type="checkbox"/> Pre-application Consultation Record	Yes <input type="radio"/> No <input checked="" type="radio"/>	N/A		<input type="checkbox"/>
<input checked="" type="checkbox"/> Legal Survey(s)	Yes <input checked="" type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
<input checked="" type="checkbox"/> Site Plan(s)	Yes <input type="radio"/> No <input checked="" type="radio"/>	Dwgs provided		<input type="checkbox"/>
<input checked="" type="checkbox"/> Scaled area location plan(s) with geo-referencing points identified	Yes <input type="radio"/> No <input checked="" type="radio"/>	Draft MPlan		<input type="checkbox"/>
Documentation in support of EBR Exception	Yes <input type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
Proof of Compliance with EAA Requirements	Yes <input type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
Proof of Consultation/Notification	Yes <input type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
<input checked="" type="checkbox"/> Financial Assurance Estimate	Yes <input type="radio"/> No <input checked="" type="radio"/>	N/A		<input type="checkbox"/>
Name, address and consent of land/site owner for the installation and operation of the proposed activity or storage location of equipment or vehicle	Yes <input type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
<input checked="" type="checkbox"/> Name, address and phone number of the Operating Authority	Yes <input checked="" type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
Copy of NEPDA Permit	Yes <input type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
Copy/Proof of Municipal Planning Approval (ORMCA, general)	Yes <input type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
Municipal Zoning Confirmation Letter	Yes <input type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
<input checked="" type="checkbox"/> Zoning map	Yes <input checked="" type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
Conservation Authority Clearance	Yes <input type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
Director's approval for Policy 2 Deviation	Yes <input type="radio"/> No <input type="radio"/>			<input type="checkbox"/>
<input checked="" type="checkbox"/> Application Fee	Yes <input checked="" type="radio"/> No <input type="radio"/>	Town and Region has reviewed		<input type="checkbox"/>

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Confidential\* (v)

Attachment (include referenced attachment if more space is required for rationale)

- A copy of this application has been sent to the Ministry Local District Office  Yes  No
- Explanation for confidentiality  Yes  No
- Other (please describe):  Yes  No

**6.2 Air**

- Emission Summary and Dispersion Modelling (ESDM) Report prepared in accordance with s.22 and of O. Reg. 419/05 (including signed checklist – PIBS 5357e)  Yes  No
- Electronic copy of the Dispersion Modelling input and output files prepared in accordance with s.26 of O. Reg. 419/05  Yes  No
- Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit – Supplement to Application for Approval: EPA S.9 (PIBS 4872)  Yes  No
- Copies of forms requesting O. Reg. 419/05 instruments and supporting documentation  Yes  No
- Other (please describe):  Yes  No

**6.3 Noise and Vibration**

- Primary Noise Screening  Yes  No
- Secondary Noise Screening  Yes  No
- Abbreviated Acoustic Assessment Report including signed checklist (A-AAR)  Yes  No
- Acoustic Assessment Report including signed checklist (AAR) (PIBS 5356e)  Yes  No
- Vibration Assessment report  Yes  No



Supporting Documentation and Technical Requirements

Content Information and Data Information | Primary Information | Patient Information | Laboratory Information | Site Information | Regulatory Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

Print Form Clear Form

Attachment

Attached

If no, provide explanation, (include referenced attachment if more space is required for rationale)

Confidential\* (v)

**6.5 Waste Disposal Sites**

- Design and Operations Report  Yes  No
- Stormwater Management Report  Yes  No  N/A
- Hydrogeological Assessment  Yes  No
- Assessment of Physical and Water Use Conditions  Yes  No  N/A
- Waste Limited Operational Flexibility Requirements
- 1. Engineer's Report  Yes  No
- 2. Declarations  Yes  No
- Copy of notification to adjacent landowners  Yes  No
- Other (please describe):  Yes  No

**6.6 Waste Management Systems**

- Proof of vehicle and/or equipment ownerships  Yes  No
- Complete Fleet List (list of all vehicles, trailers and equipment used)  Yes  No
- Copy of the Liability Insurance for all vehicles for which insurance is required  Yes  No
- Copy of BUC recommendation  Yes  No
- Copy of the storage tank design  Yes  No
- Copy of commercial vehicle licence  Yes  No
- Description of the physical location where the vehicles transporting biomedical waste are being disinfected  Yes  No  N/A
- Drivers Training Manual (for PCB/Biomedical Waste)  Yes  No  N/A
- A copy of the applicant's Operation Plan including detailed packaging and biomedical waste handling methods  Yes  No  N/A
- Contingency and Emergency Procedures Plan (for PCB/Biomedical Waste/Hauled Sewage (Septage))  Yes  No  N/A
- Other (please describe):  Yes  No



**Payment Information: Application for an Environmental Compliance Approval** ?

Please Note:

1. If you are completing this form by hand, you must complete and attach your fee calculations separately. You do not need to include the supplemental fee calculations if you are filling in this form electronically.
2. If you are completing this form electronically, the fees for this application have been calculated based on the information you have provided. The Ministry may require additional information during the review of your application that could impact the total fee required.
3. All fees should be paid in Canadian funds, payable to the *Minister of Finance*, except fees for *Transfer of Review*, which are payable to the local municipality.
4. Credit card payments are accepted for payments under \$10,000 only.
5. If you are paying by certified cheque or money order, please staple your payment to this page.
6. The information collected in this section of the form is considered confidential and will only be used to process your application fee.

**Do not include this page in the copies of your application that are being provided to the Local Ministry District Office.**

Amount Enclosed Method of Payment

\$  Certified Cheque  Money Order

VISA  MasterCard  American Express

Credit Card Information (if paying by VISA, MasterCard or American Express)

Name on Card (please print) Credit Card Number Expiry Date (mm/yyyy)

Cardholder Signature Date (yyyy/mm/dd)

*If paying by certified cheque or money order, please attach it here.*

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**1.0 GENERAL PROJECT INFORMATION**

- 1.1 Site Name Mattamy (Credit River) Limited
- 1.2 Municipality Region of Peel
- Client (if different from Municipality) Mattamy (Credit River) Limited
- 1.3 Type of Works Project (please check all that apply)
- Watermain *Please complete Sections 1.0 to 5.0 of this form*
- Storm Sewer *Please complete Sections 1.0 to 4.0, 6.0 and Appendix A of this form*
- Sanitary Sewer *Please complete Sections 1.0 to 4.0, 7.0 and Appendix B of this form*
- Forcemain *Please complete Sections 1.0 to 4.0, 8.0 and Appendix C of this form*
- 1.4 (a) Project Purpose (please check all that apply)
- Replacement  Increased demand  Connecting existing lines  New development
- Other: \_\_\_\_\_

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**2.0 ENVIRONMENTAL ASSESSMENT ACT REQUIREMENTS**

- 2.1 Is this a private sector project?
- Yes  No *If 'No', please complete 2.2 and 2.3*
- 2.2 (a) Choose applicable Municipal sector Class EA Schedule
- Schedule A  Schedule B  Schedule C
- (b) From the appropriate Schedule identified in 2.2(a), please identify Project Type and associated Schedule/Paragraph No. which applies to the proposed project
- Water Project  Wastewater Project Schedule No. \_\_\_\_\_
- For 'Schedule B' please complete 2.3(a),(b) For 'Schedule C', please complete 2.3(a),(b),(c)*
- 2.3 (a) Has a Notice of Completion been submitted along with this application?
- Yes  No
- (b) Were any Part II Orders (ie. "Bump-up" requests) received for this project?
- Yes  No
- If 'Yes', please provide details:* \_\_\_\_\_
- (c) Has an Environmental Study Report (ESR) been completed?
- Yes  No
- If 'Yes', please include ESR Cover page with this submission*
-

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### 3.0 DRAWINGS

NOTE: All drawings must include an accurate scale and be stamped by a Professional engineer. If the drawing is of a large scale where small separation distances cannot be easily measured, these distances must be marked on the drawing or noted as a typical separation.

Have the following details been included with this submission?

- Site Plan, including*
  - Proposed works
  - Existing works (as appropriate)
  - Property lines/Municipal boundaries
  - Any water bodies in proximity to the works
- Plan and Profile of all Pipes*
  - Horizontal distance between watermains and sewers
  - Vertical distance between watermains and sewers
  - Length, diameter and slope of each pipe segment
  - Locations of valves, valve chambers if > 300mm diameter, pressure reducers, tees, etc
  - Location of manholes (and their respective IDs)
- Storm Drainage Area*
  - Indicate all areas which drain into the proposed works
  - Physical area in hectares
  - Runoff Coefficient for each drainage area
  - Storm water drainage path
- Sanitary Drainage Area*
  - Indicate all areas which drain into the proposed works
  - Physical area in hectares
  - Population for each drainage area
  - Sanitary Sewer drainage path
- Other Details*
  - Typical separations, where not easily measured from pipe drawings
  - Appertunances
  - Municipal drains

---

### 4.0 ADDITIONAL INFORMATION

4.1 Are the proposed works laid below the frost penetration depth for the area at all points?

- Yes                       No

4.2 (a) Are all existing and proposed watermains separated by at least 2.5 m of clear horizontal distance from all existing and proposed sewers and storm water conveyance systems (ie. ditches)?

- Yes                       No

(b) Are all existing and proposed watermains separated by at least 0.5 m of clear vertical distance higher than all existing and proposed sewers and storm water conveyance systems (ie. ditches)?

- Yes                       No

(c) Are all existing and proposed sewers, including all drains and similar sources of contamination, separated by at least 15 metres from potable water reservoirs below normal ground surface and well supplies?

- Yes                       No

*If 'No' to any part of Question 4.0, please refer to Procedure F-6-1 for solutions to prevent contamination when separation distances cannot be met*

**6.0 STORM SEWERS**

*For Questions 6.1 to 6.3, please attach an additional sheet if necessary*

6.1 Description of Proposed Storm Sewer(s) (including service area/development)  
 Storm Sewers for proposed subdivision, discharging into SWM Pond HE-6B.

6.2 Is this application for approval a part of a larger and/or phased development?

Yes  No

*If 'Yes', please provide full details on any existing developments including all Certificates of Approval that have been approved or application that are currently under review. Clearly indicate in all stamped engineering drawings and reports which developments belong to which phase and whether they are existing, for current development, or for future development.*

\_\_\_\_\_

\_\_\_\_\_

*(please attach another sheet if necessary)*

6.3 Description of Existing Works (in proximity to proposed works)  
 Existing storm sewers located on Ex Ashby Field Road (South of Bovard Drive).

6.4 For each storm sewer, please provide the following details in the chart below (or equivalent)

STREET	FROM (street/manhole)	TO (street/manhole)	DIAMETER (mm)	ROUGHNESS
See Attached				

\_\_\_\_\_

\_\_\_\_\_

6.5 Has the Storm Sewer Hydraulic Design Sheet (or equivalent) been included with this submission? (refer to the Guidance Document in Appendix A)

Yes  No

6.6 Please indicate which land use surface types are included in the drainage area and list the runoff coefficient(s) used for each type

SURFACE TYPE	RECOMMENDED	USED
<input checked="" type="checkbox"/> Asphalt, concrete, roof areas	0.90 - 1.00	0.90
<input type="checkbox"/> Gravel	0.80 - 0.85	
<input type="checkbox"/> Grassed areas, parkland	0.15 - 0.35	
<input checked="" type="checkbox"/> Commercial	0.75 - 0.85	0.90
<input type="checkbox"/> Industrial	0.65 - 0.75	
<input type="checkbox"/> Single family dwelling	0.40 - 0.45	
<input type="checkbox"/> Semidetached	0.45 - 0.60	
<input type="checkbox"/> Row housing, Townhousing	0.50 - 0.70	
<input type="checkbox"/> Apartments	0.60 - 0.75	
<input type="checkbox"/> Institutional	0.40 - 0.75	
<input type="checkbox"/> Other		

*If USED runoff coefficient does not fall within the RECOMMENDED range, please provide rationale below.*

All run-off coefficients as per City of Brampton Standards.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6.7 (a) What is the full flow velocity range for all storm sewers in the proposed works?

1.13 to 2.85 m/s

(b) If the full flow velocity is outside of the range of 0.8 m/s to 6.0 m/s, what measures will be employed to reduce sediment build up and/or erosion in the pipe?

\_\_\_\_\_  
\_\_\_\_\_

6.8 (a) What is the municipality's requirement for the minor design storm event?

2 year       5 year       10 year       Other \_\_\_\_\_

(b) What storm event has been used for the design of the proposed works?

2 year       5 year       10 year       Other \_\_\_\_\_

(c) Are there any inlet control devices (ICDs) proposed in the catch basins?

Yes       No

6.9 Please indicate the first destination/location that will be receiving the storm water:

Natural Water Body      Name: \_\_\_\_\_

Has the Conservation Authority granted approval to discharge to this water body?

Yes       No

Storm Water Management (SWM) Facility      Name: SWM Pond HE-6B

Certificate of Approval No. (if applicable): \_\_\_\_\_ OR,

Application Reference No. (if submitted): \_\_\_\_\_

Has the Operating Authority (of the SWM facility) granted approval to discharge to this facility?

Yes       No

Municipal Drain

Existing Sewers

**7.0 SANITARY SEWERS**

*For Questions 7.1 to 7.3, please attach an additional sheet if necessary*

7.1 Description of Proposed Sanitary Sewer(s) (including service area/development)  
The proposed sanitary sewers respecting to all applicable jurisdictions and standards serve to service the Lands South of CNR (REGION FILE No. 21T-10022B).

7.2 Description of Existing Works (in proximity to proposed works)  
Existing sanitary sewers located on Lagerfeld Drive west of Creditview Road, at Block 10, Block 1, Block 9, and across the creek.

7.3 For each sewer, please provide the following details in the chart below (or equivalent)  
 STREET FROM (street/manhole) TO (street/manhole) DIAMETER (mm) ROUGHNESS  
Please see attached

7.4 Has the Sanitary Sewer Design Sheet (or equivalent) been included with this submission? (refer to Guidance Document in Appendix B)

Yes  No

7.5 Please indicate which sewage types are applicable in the drainage area and list the daily design flows used in the pipe design for each type

SEWAGE TYPE	RECOMMENDED	USED
<input checked="" type="checkbox"/> Domestic	225 - 450 L/cap/day	<u>282 L/cap/day</u>
<input type="checkbox"/> Hospitals	900 - 1800 L/bed/day	_____
<input type="checkbox"/> Schools	70 - 140 L/student/day	_____
<input type="checkbox"/> Trailer Parks	340 - 800 L/space/day	_____
<input checked="" type="checkbox"/> Infiltration	0.1 - 0.28 L/ha/s	<u>0.1 L/ha/day</u>
<input type="checkbox"/> Industrial	35 - 55 m3/ha/day	_____
<input type="checkbox"/> Shopping Centres	2500 - 5000 L/1000 m2/day	_____
<input type="checkbox"/> Hotels/Motels	150 - 225 L/bed space/day	_____
<input type="checkbox"/> Other	_____	_____

*If USED sewage daily design flow does not fall within the RECOMMENDED range, please provide rationale below:*

As per Region of Peel Standards. Institutional flows are calculated using the same flow rate as domestic flows.

7.6 (a) What is the full flow velocity range for all sanitary sewers in the proposed works?

0.86 to 1.79 m/s

(b) If the full flow velocity is outside of the range of 0.6 m/s to 3.0 m/s, what measures will be employed to reduce sewage build up and/or erosion in the pipe?

\_\_\_\_\_

7.7 It is recommended that sanitary sewers be laid at sufficient depth to receive gravity flow from basements. Are any sanitary sewers above the depth of any basements in the area?

Yes  No

*If 'Yes', what methods will be employed to prevent sewage backup into basements?*

\_\_\_\_\_

**Mattamy (Credit River) Limited**

Region File No.: 21T-10022B, City File No.: C04W11.006

City of Brampton, Region of Peel

Attachment to Pipe Data Form Section 6.4

Storm sewers and appurtenances to be constructed to serve Mattamy (Credit River) Limited

**Storm Sewer Pipe Data:**

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Diameter</u>	<u>Roughness</u>
Lagerfeld Drive	MH 4	MH 11	525mm	0.013
Lagerfeld Drive	CTRL MH 6	MH 12	450mm	0.013
Lagerfeld Drive	MH 11	MH 12	675mm	0.013
Lagerfeld Drive	MH 12	MH 1	750mm	0.013
Lagerfeld Drive	MH 1	MH 2	750mm	0.013
Lagerfeld Drive	CTRL MH 1	MH 3	750mm	0.013
Lagerfeld Drive	MH 2	MH 3	825mm	0.013
Lagerfeld Drive	MH 3	MH 5	1200mm	0.013
Lagerfeld Drive	CTRL MH 5	MH 8	675mm	0.013
Lagerfeld Drive	MH 5	MH 8	1500mm	0.013
Lagerfeld Drive	MH 8	MH 9	1500mm	0.013
Lagerfeld Drive	MH 9	CTRL MH 4	900mm	0.013
Lagerfeld Drive	MH 9	HW	1200x2400mm	0.013

**Mattamy (Credit River) Limited**

Region File No.: 21T-10022B, City File No.: C04W11.006

City of Brampton, Region of Peel

Attachment to Pipe Data Form Section 7.3

Sanitary sewers and appurtenances to be constructed to serve Mattamy (Credit River) Limited

**Sewer Sewer Pipe Data:**

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Diameter</u>	<u>Roughness</u>
Lagerfeld Drive	CTRL MH 1A	MH 1A	250mm	0.013
Lagerfeld Drive	CTRL MH 2A	MH 1A	250mm	0.013
Lagerfeld Drive	MH 1A	MH 2A	250mm	0.013
Lagerfeld Drive	CTRL MH 3A	MH 2A	250mm	0.013
Lagerfeld Drive	MH 2A	MH 3A	250mm	0.013
Lagerfeld Drive	MH 3A	MH 4A	250mm	0.013
Lagerfeld Drive	MH 4A	Ex.Plug	250mm	0.013
Lagerfeld Drive	CTRL MH 4A	Ex.Plug	250mm	0.013

OPERATING AUTHORITY - **Storm Sewers**

City of Brampton

2 Wellington St W

Brampton, ON

L6Y 4R2

Phone: 905-874-2500

Fax: 905-874-2599

OPERATING AUTHORITY - **Sanitary Sewers**

Region of Peel

10 Peel Centre Drive

Brampton ON

L6T 4B9

Phone: 905-791-7800

Fax: 905-791-1442

For Ministry Use Only  
A l'usage exclusif du ministère



Ministry of  
Consumer and  
Business Services  
**CERTIFICATE**  
This is to certify that these articles  
are effective on

Ministère des Services  
aux consommateurs  
et aux entreprises  
**CERTIFICAT**  
Ceci certifie que les présents statuts  
entrent en vigueur le

Ontario Corporation Number  
Ontario  
**1564636**

**MARCH - 4 MARS, 2003**

Director / Directrice  
Business Corporations Act / Loi sur les sociétés par actions

**ARTICLES OF INCORPORATION  
STATUTS CONSTITUTIFS**

Form 1  
Business  
Corporations  
Act

Formule  
numéro 1  
sur les  
sociétés par actions

1. The name of the corporation is: *Dénomination sociale de la compagnie:*

M	A	T	A	M	Y	(	C	R	E	D	I	T	R	I	V	E	R	)	L	I	M	I	T	E	D
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

2. The address of the registered office is: *Adresse du siège social:*

2360 Bristol Circle

*(Street & Number or R.R. Number & if Multi-Office Building give Room No.)  
(rue et numéro, ou numéro de la R.R. et, s'il s'agit d'un édifice à bureaux, numéro du bureau)*

Oakville, Ontario

*(Name of Municipality or Post Office)  
(Nom de la municipalité ou du bureau de poste)*

L 6 H 6 M 5

*(Postal Code)  
(Code postal)*

3. Number (or minimum and maximum number) of directors is: *Nombre (ou nombres minimal et maximal) d'administrateurs:*

A minimum of one (1) and a maximum of ten (10).

4. The first director(s) is/are: *Premier(s) administrateur(s):*

First name, initials and last name  
*Prénom, initiales et nom de famille*

Address for service, giving Street & No. or R.R. No.,  
Municipality and postal code  
*Domicile élu, y compris la rue et le numéro, le numéro de la R.R. ou le nom de la municipalité et le code postal*

Resident  
Canadian  
State  
Yes or No  
*Résident  
Canadien  
Oui/Non*

Iliff L.B. Peck

2200 Yonge Street, Suite 1301  
Toronto, Ontario  
M4S 2C6

Yes

5 Restrictions, if any, on business the company may carry on or on powers the corporation may exercise.

*Limites, s'il y a lieu, imposées aux activités commerciales ou aux pouvoirs de la compagnie.*

None

6 The classes and any maximum number of shares that the corporation is authorized to issue.

*Catégories et nombre maximal, s'il y a lieu, d'actions que la compagnie est autorisée à émettre:*

An unlimited number of shares of one class designated as common shares.

7 Rights, privileges, restrictions and conditions (if any) attaching to each class of shares and directors authority with respect to any class of shares which may be issued in series:

*Droits, privilèges, restrictions et conditions, s'il y a lieu, rattachés à chaque catégorie d'actions et pouvoirs des administrateurs relatifs à chaque catégorie d'actions qui peut être émise en série:*

None

8 The issue, transfer or ownership of shares is/is not restricted and the restrictions (if any) are as follows:

*L'émission, le transfert ou la propriété d'actions est/n'est pas restreinte. Les restrictions, s'il y a lieu, sont les suivantes:*

No shares of the Corporation shall be transferred without either (i) the consent of the directors to be signified by a resolution passed by the board or (ii) the consent of the shareholders to be signified by a resolution passed by the shareholders.

9 Other provisions, if any, are:

*Autres dispositions, s'il y a lieu:*

- (a) The number of shareholders of the Corporation, exclusive of persons who are in its employment and exclusive of persons who, having been formerly in the employment of the Corporation, were while in that employment, and have continued after termination of that employment to be, shareholders of the Corporation, is limited to not more than fifty (50), two (2) or more persons who are the joint registered owners of one (1) or more shares being counted as one (1) shareholder; and
- (b) Any invitation to the public to subscribe for its securities is prohibited.

10 The names and addresses of the incorporators are

*Nom et adresse des fondateurs*

First name, initials and last name or corporate name  
*Prénom, initiale et nom de famille ou dénomination sociale*

Full address for service or address of registered office or of principal place of business giving street & No. or R.R. No., municipality and postal code  
*Domicile élu, adresse du siège social ou adresse de l'établissement principal, y compris la rue et le numéro, le numéro de la R.R., le nom de la municipalité et le code postal*

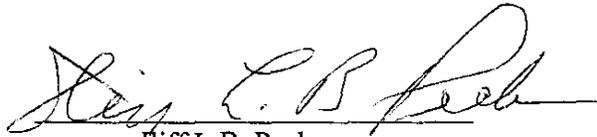
Iliff L.B. Peck

2200 Yonge Street  
Suite 1301  
Toronto, Ontario  
M4S 2C6

These articles are signed in duplicate.

*Les présents status sont signés en double exemplaire.*

Signatures of incorporators / *Signatures des fondateurs*



Iliff L.B. Peck

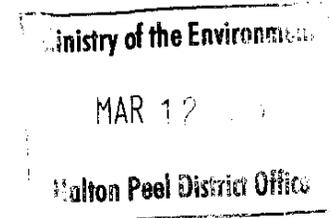


Ministry of the Environment  
Ministère de l'Environnement

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 7730-955MJ5  
Issue Date: March 1, 2013

Mattamy (Credit River) Limited  
2360 Bristol Circle  
Oakville, Ontario  
L6H 6M5



Site Location: Mattamy (Milton West) Limited Manaman Property  
Lots 11 and 12, Concession 4, West of Hurontario Street  
City of Brampton, Regional Municipality of Peel

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

***storm sewers** and **sanitary sewers** to be constructed in the City of Brampton, in the Regional Municipality of Peel, on Lagerfeld Drive;*

all in accordance with the application from Mattamy (Credit River) Limited, dated **February 13, 2013**, including final plans and specifications prepared by Urbantech Consulting.

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

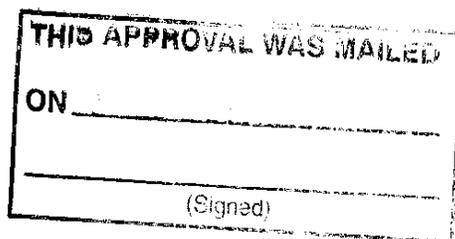
AND

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 1st day of March, 2013



\_\_\_\_\_  
Sherif Hegazy, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

AL/

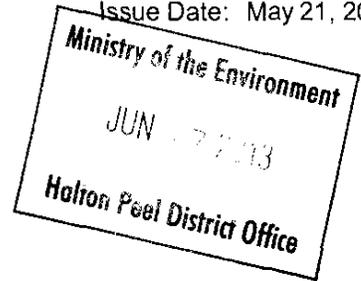
c: District Manager, MOE Halton-Peel  
Kathryn Lockyer, Clerk, Region of Peel (File No. T-10022B)  
Bob Lipka, Region of Peel  
Peter Fay, City of Brampton  
Dragan Zec, P.Eng., Urbantech Consulting



**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 8799-97PRP6

Issue Date: May 21, 2013



Mattamy (Credit River) Limited  
2360 Bristol Circle  
Oakville, Ontario  
L6H 6M5

Site Location: Mount Pleasant Village - Phase 3  
West of Hurontario Street *WHS*  
Lot 11, Concession 4  
City of Brampton, Regional Municipality of Peel

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

Sanitary sewers and storm sewers to be constructed in conjunction with Project No. 21T-12006B Lot 11 Concession 4 WHS in the City of Brampton, Regional Municipality of Peel, as follows:

Sanitary Sewers located on Baycliff Drive, Ariel Road, Butterworth Road, Affleck Road, Crossbill Road, and Sanitary Easement (from MH10A to Ex. MH21A located within Block 32)

Storm Sewers located on Baycliff Drive, Ariel Road, Butterworth Road (from MH13 to Ex. MH82 on Ganton Heights), Affleck Road, storm sewers (from MH12 to Ex. MH44B located within Block 32), Storm Sewers Easement (Parts 11 and 14) from MH104 to CTRL MH6 located on Commuter Drive;

all in accordance with the following documents, namely, final plans and specifications prepared by Urbantech Consulting Engineers.

*For the purpose of this environmental compliance approval, the following definitions apply:*

1. "Approval" means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation;
2. "Director" means any Ministry employee appointed by the Minister pursuant to section 5 of the Part II.1 of the Environmental Protection Act;
3. "Ministry" means the Ontario Ministry of the Environment;

4. "Owner" means Mattamy (Credit River) Limited, and includes its successors and assignees;
5. "Source Protection Plan" means a drinking water source protection plan prepared under the Clean Water Act, 2006.
6. "Water Supervisor" means the Water Supervisor of the Halton-Peel District Office of the Ministry;
7. "Works" means the sewage works described in the Owner's application, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval.

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## **TERMS AND CONDITIONS**

### **1. GENERAL PROVISIONS**

- 1.1 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
- 1.2 Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, the application for approval of the Works and the submitted supporting documents and plans and specifications as listed in this Approval.
- 1.3 Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.
- 1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
- 1.5 The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

### **2. EXPIRY OF APPROVAL**

The approval issued by this Approval will cease to apply to those parts of the Works which have

not been constructed within five (5) years of the date of this Approval.

### 3. **CHANGE OF OWNER**

The Owner shall notify the Water Supervisor and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

- (a) change of Owner;
- (b) change of address of the Owner;
- (c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the Water Supervisor; and
- (d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the Water Supervisor.

### 4. **SOURCE WATER PROTECTION**

The Owner shall, within sixty (60) calendar days of the Minister of the Environment posting approval of a Source Protection Plan on the environmental registry established under the Environmental Bill of Rights, 1993 for the area in which this Approval is applicable, apply to the Director for an amendment to this Approval that includes the necessary measures to conform with all applicable policies in the approved Source Protection Plan.

*The reasons for the imposition of these terms and conditions are as follows:*

- 1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which Approval was granted. This Condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The Condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval of the existence of this Approval.
- 2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
- 3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
- 4. Condition 4 is included to ensure that the Works covered by this Approval will conform to the

significant threat policies and designated Great Lakes policies in the Source Protection Plan.

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required; and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

AND

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-3717 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 21st day of May, 2013

*[Faint signature and text, likely the appellant's signature]*



Sherif Hegazy, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

SS/

c: District Manager, MOE Halton-Peel District Office  
Water Supervisor, MOE Halton-Peel District Office  
Junior Mohammed, Region of Peel  
Peter Fray, City of Brampton  
Kathryn Lockyer, Clerk - Region of Peel  
Jeff Ormonde, P.Eng., Urbantech Consulting

230



**BURNSIDE**

[ THE DIFFERENCE IS OUR PEOPLE ]

## Transmittal

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**Date:** March 7, 2012 **File No.:** 300030521

**Re:** Application for Environmental Compliance Approval for Sanitary Sewage Temporary Storage Facility, Mount Pleasant Valley North Development (Block 51-1, Phase 1), Region of Peel, Brampton, Ontario

---

**To Attention:** District Manager, MOE Halton-Peel District Office

**Company:** Ministry of the Environment **Address:** Halton-Peel District Office  
4145 North Service Rd  
Suite 300  
Burlington, ON L7L 6A3  
Phone: 905-319-3847

---

**From Name:** Rhys Cavill, C.E.T.

**Sent Via:** Courier

**Enclosed items:**

- 1 bound copy of *Application for Environmental Compliance Approval for Sanitary Sewage Temporary Storage Facility, Mount Pleasant Valley North Development (Block 51-1, Phase 1), Region of Peel, Brampton, Ontario*
  - 1 copy of relevant drawings (rolled – part of supporting documentation)
  - 1 CD containing electronic copy of Application Package
- 

cc: Director, Environmental Approvals Access and Service Integration Branch  
Aaron Wisson, Mattamy Development Corporation  
Junior Mohammed, P.Eng., Region of Peel

120307MOEDistrictManager\_Trans ECA Approval.docx  
3/7/2012 11:31 AM

Sent By: \_\_\_\_\_ [Initial]

## ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 4703-8TFHPZ  
Issue Date: April 23, 2012

Mattamy (Credit River) Limited & Ashwid Developments  
Inc.  
2360 Bristol Circle  
Oakville, Ontario  
L6H 6M5

MINISTER OF THE  
ENVIRONMENT

MAY 10 2012

MAY 10 2012

Site Location: Mount Pleasant Valley North Development  
Lot 11, Concession 4 WHS  
City of Brampton, Regional Municipality of Peel

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19  
(Environmental Protection Act) for approval of:*

construction of a **temporary sanitary sewage storage facility** consisting of a 1800 millimetre diameter maintenance hole (MH 6C) connected to a 49.0 metres long 3000 millimetre diameter concrete sanitary sewer, located on the north side Lagerfeld Drive and 60 metres south-west of Creditview Road and Lagerfeld Drive intersection, in the City of Brampton, together with modifications to existing sanitary sewers on Lagerfeld Drive in order to provide a total storage volume of **571 cubic meters** in the 3000 millimetre diameter concrete sanitary sewer and in the surcharged sewers from a bottom elevation of 235.19 metres up to an elevation of 242.75 metres, complete with the following:

- plug in the west outlet in MH 6A to divert flows to the temporary storage facility;
- 47.1 metres long 375 millimetre diameter temporary sanitary sewer from MH 6A to MH 6C;
- venting at both ends of the temporary sanitary sewage storage facility;
- installation of a float alarm system;
- emergency overflow outlet in MH 6C connected to the downstream sewer going from MH 6C to service maintenance hole (MH 5A);
- plug in east outlet of downstream sewer maintenance hole (MH 18A);

- installation of one (1) submersible pump (a Flygt Model Number NS3153.091MT) in MH 6C to pump sewage to the tanker trucks;
- removal of sewage from the temporary sanitary sewage storage facility and transportation to the McVean Sewage Pumping Station and/or the Clarkson Wastewater Treatment Plant, is to be done by MOE licensed sewage haulers;
- A spare submersible pump and portable generator set will be stored nearby; and
- including all other controls and appurtenances essential for the proper operation of the aforementioned *Works* .

all in accordance with supporting documents listed in Schedule 'A'.

*For the purpose of this environmental compliance approval, the following definitions apply:*

"*Approval* " means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation listed herein;

"*Director* " means a person appointed by the Minister pursuant to section 5 of the *EPA* for the purposes of Part II.1 of the *EPA* ;

"*District Manager* " means the District Manager of the Halton-Peel District Office of the Ministry;

"*EPA* " means the Environmental Protection Act, R.S.O 1990, c.E.19, as amended;

"*Ministry* " means the Ontario Ministry of the Environment;

"*Owner* " means Mattamy (Credit River) Limited & Ashwid Developments Inc., and includes its successors and assignees;

"*Professional Engineer* " means a person entitled to practise as a Professional Engineer in the Province of Ontario under a licence issued under the Professional Engineers Act;

"*Substantial Completion* " has the same meaning as "*substantial performance* " in the Construction Lien Act; and

"*Works* " means the sewage works described in this *Approval* .

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## **TERMS AND CONDITIONS**

## 1. GENERAL PROVISIONS

- 1.1 The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Approval* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
- 1.2 Except as otherwise provided by these Conditions, the *Owner* shall design, build, install, operate and maintain the *Works* in accordance with the description given in this *Approval* , the application for approval of the *Works* and the submitted supporting documents and plans and specifications as listed in this *Approval* .
- 1.3 Where there is a conflict between a provision of any submitted document referred to in this *Approval* and the Conditions of this *Approval* , the Conditions in this *Approval* shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.
- 1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
- 1.5 The requirements of this *Approval* are severable. If any requirement of this *Approval* , or the application of any requirement of this *Approval* to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this *Approval* shall not be affected thereby.

## 2. EXPIRY OF APPROVAL

- 2.1 This *Approval* shall expire and become null and void **two (2) years** after the issuance date of this *Approval* . In the event that the municipal sewage service is not constructed within the **two-year period** and the *Owner* is seeking a renewal for this *Approval* , an environmental compliance approval application for such an amendment shall be made no later than **four (4) months** prior to the two (2) years expiry date.
- 2.2 The *Owner* shall decommission the **temporary sanitary sewage storage facility** on or before the expiry date mentioned in Condition 2.1 of this *Approval* .

## 3. CHANGE OF OWNER

- 3.1 The *Owner* shall notify the *District Manager* and the *Director* , in writing, of any of the following changes within **thirty (30) days** of the change occurring:
  - (a) change of *Owner* ;
  - (b) change of address of the *Owner* ;

- (c) change of partners where the *Owner* is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the *District Manager* ;
- (d) change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information's Act, R.S.O. 1990, c. C39 shall be included in the notification to the *District Manager* ;

3.2 In the event of any change in ownership of the *Works* , other than a change to a successor municipality, the *Owner* shall notify in writing the succeeding owner of the existence of this *Approval* , and a copy of such notice shall be forwarded to the *District Manager* and the *Director* .

3.2 The *Owner* shall ensure that all communications made pursuant to this condition will refer to this *Approval* 's number.

#### **4. UPON THE SUBSTANTIAL COMPLETION OF THE WORKS**

4.1 Upon the *Substantial Completion* of the *Works* , the *Owner* shall prepare a statement, certified by a *Professional Engineer* , that the *Works* are constructed in accordance with this *Approval* , and upon request, shall make the written statement available for inspection by *Ministry* personnel.

4.2 Within **three (3) months** of the *Substantial Completion* of the *Works* , a set of as-built drawings showing the *Works* "as constructed" shall be prepared. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the *Works* for the operational life of the *Works* .

#### **5. OPERATION AND PERFORMANCE**

5.1 The *Owner* shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the *Works* do not constitute a safety or health hazard to the general public.

5.2 The *Owner* shall undertake an inspection of the condition of the *Works* , at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, and debris are removed from the *Works* to prevent the excessive build-up of sediment, and debris.

5.3 The *Owner* shall maintain and service the *Works* in such a manner that leaks and spills are prevented.

5.4 The *Owner* shall have a valid agreement with a hauler who is in possession of a Waste Management Systems *Approval* at all times during the operation of the *Works* and submit a copy of the valid agreement with a licensed hauler to the *District Manager* .

5.5 The *Owner* shall ensure that the Accelerated Servicing Agreement with the Regional Municipality of Pcel is signed before the construction of the *Works* .

- 5.6 The *Owner* shall exercise due diligence in ensuring that, at all times, the *Works* and the related equipment and appurtenances used to achieve compliance with this *Approval* are properly operated and maintained. Proper operation and maintenance shall include effective performance, adequate funding, adequate operator staffing and training, including training in all procedures and other requirements of this *Approval* and the *Act* and regulations, process controls and alarms, and other substances used in the *Works* .
- 5.7 The *Owner* shall prepare an operations manual prior to the *Substantial Completion* of the *Works* that includes, but not necessarily limited to, the following information:
- (a) operating procedures for routine operation of the *Works* ;
  - (b) inspection programs, including frequency of inspection, for the *Works* and the methods or tests employed to detect when maintenance is necessary;
  - (c) procedures for the removal and disposal of sewage from the *Works* to an approved sewage disposal site by an MOE licensed sewage hauler;
  - (d) a spill prevention control and countermeasures plan, consisting of contingency plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal situations, including notification of the Spills Action Centre (SAC) at (416) 325-3000 or 1-800-268-6060; and
  - (e) procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken and the corrective measures taken to alleviate the cause and prevent its reoccurrence.
- 5.8 The *Owner* shall maintain a logbook to record the septage volumes pumped from the *Works* , date, hauler's name, septage disposal, inspections, cleaning and maintenance operations undertaken and shall make the logbook available for inspection by the *Ministry* upon request.
- 5.9 The *Owner* shall maintain the operations manual current and retain a copy at the location of the *Works* for the operational life of the *Works* . Upon request, the *Owner* shall make the manual available to *Ministry* staff.
- 5.10 The *Owner* shall ensure that appropriate mitigative measures are taken should any objectionable odour be generated from the *Works* .

## **6. RECORD KEEPING**

- 6.1 The *Owner* shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this *Approval* . These records and information shall be made available for inspection by the *Ministry* , upon request.

Schedule 'A' forms part of this *Approval* and contains a list of supporting documentation / information received, reviewed and relied upon in the issuance of this *Approval* .

**SCHEDULE 'A'**

1. Application for Approval of Sewage Works submitted by Rhys Cavill, of R.J. Burnside & Associates Limited, dated February 22, 2012, and signed by Frank Doracin, ASO, Mattamy (Credit River) Limited & Ashwid Developments Inc., including final plans and specifications prepared by R.J. Burnside & Associates Limited;
2. Electronic correspondence from Rhys Cavill, of R.J. Burnside & Associates Limited to the Review Engineer dated April 17, 2012;
3. Electronic correspondence from Junior Mohammed, Supervisor, Development Services Public Works Department, Regional Municipality of Peel to the Review Engineer dated April 18, 2012;
4. Electronic correspondence from Junior Mohammed, Supervisor, Development Services Public Works Department, Regional Municipality of Peel to the Review Engineer dated April 19, 2012; and
5. Electronic correspondence from Rhys Cavill, of R.J. Burnside & Associates Limited to the Review Engineer dated April 20, 2012.

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 is imposed to ensure that the *Works* are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in this *Approval* and the practice that this *Approval* is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the owners their responsibility to notify any person they authorized to carry out work pursuant to this *Approval* the existence of this *Approval* .
2. Condition 2 is included to ensure that the *Works* are constructed in a timely manner so that standards applicable at the time of *Approval* of the *Works* are still applicable at the time of construction, to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the *Ministry* records are kept accurate and current with respect to approved *Works* and to ensure that subsequent owners of the *Works* are made aware of this *Approval* and continue to operate the *Works* in compliance with it.
4. Condition 4 is included to ensure that record drawings of the *Works* "as constructed" are maintained for future references.
5. Condition 5 is included to require that the *Works* be properly operated, maintained, funded, and equipped such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented. It is also included to ensure that the *Owner* has made all necessary arrangement for the disposal of sewage from the *Works* .
6. Condition 6 is included to require that all records are retained for a sufficient time period to adequately evaluate the operation and maintenance of the *Works* .

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;

- 7. The name of the Director, and;
- 8. The municipality or municipalities within which the project is to be engaged in

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
MSG 1E5

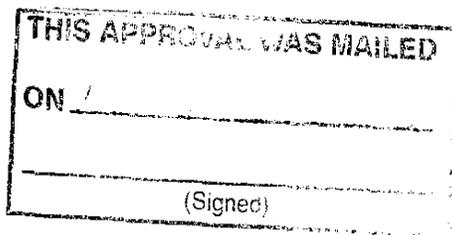
AND

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 23rd day of April, 2012



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Mansoor Mahmood, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

AA/

- c: District Manager, MOE Halton-Peel District Office
- Junior Mohammed, P.Eng., Supervisor, Development Services, P. Works – Regional Municipality of Peel
- Rhys Cavill, C.E.T., R.J. Burnside & Associates Limited

Ministry of the Environment  
Environmental Approvals Branch  
2 St. Clair Avenue West, # 12A  
Toronto, ON M4V 1L5

October 30, 2012  
File: 21T-12005B

Attention: Sherif Hegazy, P.Eng, Director

**Re: Mattamy Credit River Limited  
Mount Pleasant Villages, Phase 4  
Part of Lot 11, Concession 4  
City of Brampton**

We are enclosing application forms, draft certificates and drawings for the construction of sanitary sewers and storm sewers at the above location.

We have reviewed the sanitary design and have determined that it's in accordance with your guidelines and Region of Peel design standards. The storm sewer design conforms to Ministry guidelines and City of Brampton design standards. We, therefore, recommend approval of the applications.

A copy of the applications has been forwarded to the M.O.E., Halton-Peel District Office for their information. We also acknowledge the receipt of \$1100.00 from the applicant for processing the approval application.

In response to this office, please refer to the above file number.

If you have any further questions, please contact Ramona Mirtorabi at (905) 791-7800 Ext. 7835.

Yours truly,



Junior Mohammed, P.Eng.  
Supervisor  
Engineering, Development Services  
Public Works

MINISTRY OF  
ENVIRONMENT

NOV 4 2012

HALTON PEEL  
DISTRICT OFFICE

RM/dw

M.O.E., Halton-Peel District Office  
O.P. Terinesi - City of Brampton

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**Public Works**

10 Peel Centre Dr., Suite B, Brampton, ON L6T 4B9  
Tel: 905-791-7800 www.peelregion.ca

**ENVIRONMENTAL COMPLIANCE APPROVAL**  
**MUNICIPAL SEWAGE**  
**NUMBER 3-**

**Mattamy Credit River Limited**  
**2360 Bristol Circle**  
**Oakville, ON, L6H 6M5**

*You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:*

Sanitary sewers and Storm Sewers to be constructed in conjunction with Project No. 21T-12005B Part of Lot 11 Concession 4 in the City of Brampton in the Regional Municipality of Peel, as follows:

**Sanitary**

New Sanitary Sewer

Viewforth Road from Salvation Road to Poppythorn Road.

Poppythorn Road from Salvation Road to Viewforth Road.

Klemscott Road from 40 meters south of Stead Street to 60 meters east of Bleasedale Avenue.

**Storm**

New Storm Sewer

Viewforth Road from Salvation Road to Poppythorn Road.

Poppythorn Road from Salvation Road to Viewforth Road.

Klemscott Road from 40 meters south of Stead Street to 60 meters east of Bleasedale Avenue.

All in accordance with the following documents, namely, final plans and specifications prepared by Urbantech Consulting.

*The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.*

**DATED AT TORONTO this      day of**

Sherif Hegazy, P. Eng.  
Director  
Section 53  
Ontario Water Resources Act

*RM/dw*

c: District Manager, M.O.E., Halton-Peel District Office  
Kathryn Lockyer, Clerk - Region of Peel  
Junior Mohammed, P. Eng. - Region of Peel  
Peter Fay- City of Brampton  
Jeff Ormande, P.Eng, Urbantech Consulting.



[Print Form](#)

[Clear Form](#)



## General Information:

Information requested in this form is collected under the authority of the Environmental Protection Act (EPA), Ontario Water Resources Act (OWRA) and Environmental Bill of Rights (EBR), and will be used to evaluate applications for Environmental Compliance Approvals (ECAs) issued under Part II.1 of the EPA. This application form should not be used for *mobile PCB destruction facilities* and *land application sites of sewage and biosolids*.

**For all questions related to preparing or submitting this form or about the Ministry's collection of information related to applying for an ECA, contact:**

### Environmental Approvals Access and Service Integration Branch

2 St. Clair Ave. West, Floor 12A,  
Toronto, Ontario M4V 1L5

Telephone outside Toronto: 1-800-461-6290  
or in Toronto: 416-314-8001

This office can also provide you with copies of application forms and supporting documentation.

## Instructions:

1. Applicants are responsible for ensuring that they complete the most recent application form. Application forms and information about the required supporting documentation and technical requirements are available from the **Environmental Approvals Access and Service Integration Branch** (the address and phone number are provided in the General Information on this page). As well, you can get this information from your local District Office of the Ministry of the Environment, and on the Resources section of the Ministry of the Environment website at: [www.ene.gov.on.ca/environment/en/resources/index.htm](http://www.ene.gov.on.ca/environment/en/resources/index.htm).
2. A complete application consists of:
  - a completed and signed application form;
  - all required supporting documents and technical requirements identified in:
    - i. this form;
    - ii. Ministry guidance;
    - iii. the Applications for Environmental Compliance Approvals regulation; and
  - payment of the application fee (in Canadian funds) by certified cheque or money order made payable to the Minister of Finance, or credit card payment (for payments up to \$10,000). For *Transfer of Review*, make your cheque or money order payable to the appropriate municipality.
3. Submit the complete application as follows:
  - One (1) paper copy (unless your application is a *Transfer of Review*), one (1) electronic copy and the fee to the **Director, Environmental Approvals Access and Service Integration Branch** at the address provided in the General Information on this page;
  - If your application is a *Transfer of Review*, you must submit two (2) copies of the completed application and the fee to the designated municipal authority
4. You must also send a copy of the application without the fee to the local Ministry District Office that has jurisdiction over the area where the facilities are located. DO NOT send payment to the District Office. To locate the appropriate local Ministry District Office, visit the Ministry of the Environment website at: [www.ene.gov.on.ca/environment/en/about/regional\\_district\\_offices/index.htm](http://www.ene.gov.on.ca/environment/en/about/regional_district_offices/index.htm).
5. For Waste Disposal Sites you must also send a copy of the application without the fee to the Clerk's office of the local municipality (both upper and lower tier) in which the facility/proposed facility is located unless the application is for a revocation or an amendment that is environmentally insignificant or the applicant is a

## The Ministry may return incomplete applications to the applicant.

The Director may require additional information of any application initially accepted as complete.

3. Submit the complete application as follows:

- One (1) paper copy (unless your application is a *Transfer of Review*), one (1) electronic copy and the fee to the **Director, Environmental Approvals Access and Service Integration Branch** at the address provided in the General Information on this page;
- If your application is a *Transfer of Review*, you must submit two (2) copies of the completed application and the fee to the designated municipal authority

4. You must also send a copy of the application without the fee to the local Ministry District Office that has jurisdiction over the area where the facilities are located. DO NOT send payment to the District Office. To locate the appropriate local Ministry District Office, visit the Ministry of the Environment website at: [www.ene.gov.on.ca/environment/en/about/regional\\_district\\_offices/index.htm](http://www.ene.gov.on.ca/environment/en/about/regional_district_offices/index.htm).

5. For Waste Disposal Sites you must also send a copy of the application without the fee to the Clerk's office of the local municipality (both upper and lower tier) in which the facility/proposed facility is located unless the application is for a revocation or an amendment that is environmentally insignificant or the applicant is a

municipality. DO NOT send any payment information to the municipality.

Information collected by the Ministry of the Environment is subject to the Freedom of Information and Protection of Privacy Act (FIPPA). If you are of the view that any part of application is confidential on the grounds that such information constitutes a trade secret or scientific, technical, commercial, financial or labour relations information, please make this known now. Otherwise, the Ministry may make the information available to the public without further notice to you.

It is an offence under the EPA and OWRA to provide false or misleading information in this application and/or accompanying documents.

**The Electronic Form Smart Features**

The electronic version of this form incorporates several features to assist you with completing your application.

The electronic form will highlight required information with red and green indicators. Red means that the information is required before the section is complete.

The form will also calculate certain values based on the information you enter and will assist you in ensuring that all required information is included with your application. You can save a copy of this form that includes any information you have entered.

These features are available in Adobe Reader version 8 or above. You can download a copy from the website at: <http://get.adobe.com/reader/otherversions/>

 **Print Form**

 **Clear Form**

**Smart Features Legend:**

These active buttons appear throughout the Application form to provide additional support.

Mandatory fields required to be filled in

 Mandatory fields completed

 Click on the question mark icon to receive additional information

 **Print Form** Prints the entire form

 **Clear Form** Clears the entire form.

 **Save Form Button** Saves the entire form.

 **Calculate Button** Calculates fees.

 Queen's Printer for Ontario 2011

Ministry of the Environment  
 Public Information Centre:  
 Telephone: 416-325-4000  
 Toll-free: 1-800-565-4923  
 E-mail: [picemail.moe@ontario.ca](mailto:picemail.moe@ontario.ca)  
[www.ontario.ca/Environment](http://www.ontario.ca/Environment)

# Application Summary

Contents | General Information and Instructions | **Application Summary** | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

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For Office Use Only

Reference Number	Payment Received	Date (yyyy/mm/dd)	Initials
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## Application Summary

**Applicant Name** ?

Mattamy (Credit River) Limited

**Project Name** ?

Mount Pleasant Village: Phase 4 (City File No.: C04W11.004, Region File No.: 21T-07016B)

**Project Description Executive Summary** ?

The subject lands are part of the Mount Pleasant Community in the City of Brampton. The subdivision is located at the intersection of Old Creditview Road and Commuter Drive, West of Old Creditview Road and North of Commuter Drive.

Storm and Sanitary sewers are proposed on KlemScott Road, Poppyhorn Road, Viewforth Road, Commuter Drive, and Old Creditview Road.

## 1.1 Applicant Information ?

Applicant Name (legal name of individual or organization as evidenced by legal documents)

Mattamy (Credit River) Limited

Business Number

899754055

Business Name :X same as Applicant Name

Business Website Address:

Mattamy (Credit River) Limited

www.mattamyhomes.com

Applicant Type:

Primary North American Industry Classification System (NAICS) Code

Corporation

: 23711

?

Individual

Other NAICS codes (select all that apply)

Separate list attached?  Yes  No

Partnership

Other NAICS codes (select all that apply)

Sole Proprietor

Business Activity Description

Land Development

## 1.2 Applicant Physical Address ?

Civic Address – Street Information (includes street number, name, type and direction)

2360 Bristol Circle

Unit Identifier (suite or unit number)

Survey Address

Lot

Concession

Part

Reference Plan

Municipality/Unorganized Township or Territory Upper Tier/District

Oakville

Province/State

Halton

Ontario

Country

Canada

Postal Code/ZIP Code

L6H 6M5

Telephone Number (include area code & ext.)

905-829-7616

Fax Number (include area code) Mobile Number (include area code)

ext 905-829-7610

E-mail Address

tim.schnarr@mattamycorp.com

Geo Reference (required)

?

Description of location

Map Datum

Zone

Accuracy Estimate

Geo-Referencing Method

UTM Easting

UTM Northing

Southwest corner of property

Physical location of front door or main entrance

**1.3 Applicant Mailing Address ?**

Same as Applicant Physical Address?  Yes  No

Civic Address - Street Information (civic numbering and street information includes street number, name, type and direction) **2360 Bristol Circle** Unit Identifier (suite or unit number)

Delivery Designator **2360 Bristol Circle** Delivery Identifier Postal Station

Municipality/Unorganized Township or Territory **2360 Bristol Circle** Province/State Postal Code/ZIP Code

Town of Oakville **2360 Bristol Circle** Ontario Canada **L6H 6M5**

**1.4 Statement of the Applicant ?**

I am authorized to prepare and submit this application and to make this certification. I have reviewed the complete application and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The information contained in this application is complete and accurate.
- The Technical Contact(s) identified in this application has/have been authorized to prepare certain technical material, and act on behalf of the applicant to discuss this application with the Ministry of the Environment and to provide additional information about this application to the Ministry on request.
- The information provided to the Technical Contact(s) in relation to this application is complete and accurate.

Name of Signing Authority (please print) **Vincent Catalfo** Title

Telephone Number (include area code & ext.) **905-829-7616** Fax Number (include area code) **905-829-7610** Authorized Signing Officer

E-mail Address **tim.schnarr@matamycorp.com** Signature **[Signature]** Date (yyyy/mm/dd) **2012/10/24** Mobile Number (include area code)

**1.5 Statement of the Municipality [ ] N/A ?**

I, the undersigned hereby declare on behalf of the Municipality, that the Municipality has no objection to the construction of the works in the Municipality.

Name and Title (please print) **[Signature]** Name of Municipality **City of Brampton**

Signature **[Signature]** Date (yyyy/mm/dd) **2012/10/24**

1.3 Applicant Mailing Address

•  
[Faint, illegible text]

1.4 Statement of the Applicant

[Faint, illegible text]

1.5 Statement of the Municipality

J Mohammed R. Eng.  
Supervisor  
*J R Mohammed*



2.1 Reason for Application ?

- New ECA
- Administrative amendment to existing ECA
- Amendment to existing ECA
- Application for renewal of limited operational flexibility
- Revocation of existing ECA
- Consolidation of existing ECAs

Are you adding a new project type to your site or a new municipal waste category/class code to your waste management systems or a new sewage facility type?  Yes  No

Is this for *Transfer of Review*?  Yes  No

2.2 Project Type (select all that apply) ?

Yes	N/A	Limited Operational Flexibility?	Pilot Project?	Yes	N/A	Limited Operational Flexibility?	Pilot Project?
<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Air – Stationary				Sewage – Industrial		
<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Air – Mobile				Sewage – Municipal		
<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Noise				Sewage – Private		
<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Vibration				Waste Management System – General Waste Management System		
<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Waste Disposal Site – Landfill site				Waste Management System – Hauled Sewage (Septage)		
<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Waste Disposal Site – Transfer site				Waste Management System – Soil Conditioner for transport to a site for Application on Land		
<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Waste Disposal Site – Processing site				Waste Management System – Mobile Waste Processing		
<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Waste Disposal Site – Composting site				Cleanup of contaminated sites – Mobile		
<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Waste Disposal Site – Thermal Treatment site				Cleanup of contaminated sites – Site-specific		

# Project Information

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

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## 2.3 Approval Information ?

Application initiated by:

- Applicant
- S. 20.18 Order (attach copy)
- Condition of existing approval
- Provincial Officer Order (attach copy)
- Inspection Report (attach copy)
- Other (specify):

Current Environmental Compliance Approvals that may be changed or amended by this application:  N/A

Separate list attached?  Yes  No

Environmental Compliance Approval Number	Date of Issuance (yyyy/mm/dd)	Environmental Compliance Approval Number	Date of Issuance (yyyy/mm/dd)
--	-------------------------------	--	-------------------------------

Proposed Environmental Compliance Approvals related to this project: N/A

Separate list attached?  Yes  No

Project type	Ministry Reference Number (if applicable)	Have submitted	Have not submitted
--------------	---	----------------	--------------------

- 
- 
- 
- 
- 
- 

2.4 Other Approval/Permits for Facility N/A ?

Separate list attached?  Yes  No

List all other instruments (approvals or permits) issued by the Ministry of the Environment or applied for under the Environmental Protection Act, Environmental Assessment Act, Ontario Water Resources Act and Safe Drinking Water Act, 2002 and any Environmental Activity and Sector Registrations that are relevant to this application.

Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)	Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)
-----------------	-------------------	---	-----------------	-------------------	---

## 2.5 Technical Contacts

### Technical Contact 1

Area of Responsibility (check all that apply)  Air  Noise/Vibration  Sewage  Waste

Name of Technical Contact  
Jeff Ormonde, P. Eng. Company  
Urbantech Consulting

Telephone Number (include area code & ext.) 905-946-9461 ext. 408 Mobile Number (include area code) Fax Number (include area code) E-mail Address  
jormonde@urbantech.com

#### Address Information:

Same as Applicant Mailing Address?  Yes  No (if no, please provide technical contact address information below.)

Civic Address - Street information (includes street number, name, type and direction)

25 Royal Crest Court

Unit Identifier (suite or unit number)  
Suite 201

Delivery Designator

Delivery Identifier

Postal Station

Municipality/Unorganized Township or Territory

Province/State

Country

Postal Code/ZIP Code

Markham

Ontario

Canada

L3R 9X4

I have been authorized by the applicant to prepare the technical materials for the area(s) of responsibility identified above that are included in the application. I have reviewed those technical materials and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The technical materials contained in this application in respect of the area(s) of responsibility identified above are complete and accurate.
- I have the relevant education and experience necessary to provide this certification.

Signature \_\_\_\_\_ Date (yyyy/mm/dd) \_\_\_\_\_

### 3.1 Environmental Bill of Rights (EBR) Requirements ?

Is this a proposal for a prescribed instrument under the EBR?  Yes  No

If yes, is this proposal exempted from the EBR requirements?  Yes  No

If yes, please check one of the following (Please provide supporting information.)

- This proposal has been considered in a substantially equivalent process of public participation. (EBR, 1993, s.30.)
- This proposal is for an emergency situation. (EBR, 1993, s. 29.)
- This proposal is for an amendment to or revocation of an existing Environmental Compliance Approval that is not environmentally significant. (EBR, 1993, s. 22 (3).)
- This proposal has been subject to or exempted from EAA Requirements or considered in a decision of a tribunal. (EBR, 1993, s. 32.)

### 3.2 Environmental Assessment Act (EAA) Requirements ?

Is the proposed undertaking subject to the requirements of the EAA?  Yes  No

If yes, please check one of the following:

- The undertaking has fulfilled the requirements of the EAA through an exemption provided under:
  - Section \_\_\_\_\_ of Ontario Regulation No. \_\_\_\_\_
  - Declaration/Exemption Order Number \_\_\_\_\_
  - If Regulation, Declaration Order or Exemption Order does not refer directly to this undertaking, please provide supporting documentation to explain why it applies to this facility.
- The proposed undertaking has fulfilled the requirements of the EAA through the completion of a Class EA process:
  - Name of Class EA: \_\_\_\_\_
  - Schedule/Group/Category (if applicable): \_\_\_\_\_
  - If applicable, please submit a copy of the proof of completion (for example, Notice of Completion).

or

- The proposed undertaking subject of a Part II Order request(s)?  Yes  No If yes, please submit a copy of the Director's or Minister's decision letter.
  - completion of an Environmental Screening Process pursuant to O. Reg. 101/07 of the EAA
  - completion of an Environmental Screening Process pursuant to O. Reg. 116/01 of the EAA
- Was the undertaking subject of an elevation request(s)?  Yes  No If yes, please submit a copy of the Director's decision letter.
  - If an appeal was made of the Director's decision, please also submit a copy of the Minister's decision letter.
  - completion of an Environmental Screening Process pursuant to O. Reg. 231/08 of the EAA
- Was the undertaking subject of an objection(s)?  Yes  No If yes, please submit a copy of the Minister's decision letter.
  - completion of an Environmental Screening Process pursuant to O. Reg. 231/08 of the EAA
- The proposed undertaking has fulfilled the requirements of the EAA through the completion of an individual Environmental Assessment.
  - Please submit a copy of the signed Notice of Approval.

**Regulatory Requirements**

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

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**3.3 Consultation/Notification ?**

Are there any consultation/notification activities that you have undertaken to fulfill requirements by other legislation or through voluntary efforts?

- Yes
- No

If yes, please:

- 1) describe the consultation/notification activities below; and
- 2) attach documents describing each of these consultation/notification activities, any changes to the project as a result of these activities and any planned consultation/notification activities in the future.

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#### 4.1 Site Address or Storage Location ?

Will the vehicles or equipment be stored at more than one location?  Yes  No

(If yes, please enter all vehicle or equipment storage locations below and attach separate list, as necessary.)

Same as Applicant Physical Address?  Yes  No

Primary Civic Address – Street Information (includes street number, name, type and direction) Unit Identifier (suite or unit number)

Additional Civic Addresses Separate list attached?  Yes  No

Unit Identifier (suite or unit number)

#### Primary Survey Address

Lot *Part of Lot 11* Concession *4* Part

Part

Reference Plan

Additional Survey Addresses Separate list attached?  Yes  No

Lot Part of Lot 11 Concession 4 Part

Part

Reference Plan  
43M

Municipality/Unorganized Township or Territory  
City of Brampton

Upper Tier/District  
Region of Pee

Province/State  
Ontario

Country  
Canada

Postal Code/ZIP Code  
N/A

Non-address Information (includes any additional information to clarify the physical location)

Same as Applicant Physical Geo Reference?  Yes  No

Geo Reference (required) ?

Description of location	Map Datum	Zone	Accuracy Estimate	Geo-Referencing Method	UTM Easting	UTM Northing
Southwest corner of property	NAD83	17	20mm	Geodetic Survey	5933262.22	4836636.96
Physical location of front door or main entrance	NAD83	17	20mm	Geodetic Survey	5933997.21	4835090.20

**Site Information**

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

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**4.2 Site or Storage Location Information ?**

Site Name  
Mount Pleasant Village Phase 4

Days and Hours of Operation  
Typically M-F, 7am to 5pm

Ministry of the Environment District Office  
Halton-Peel District Office



**Is the site (property) that is the subject of this application owned by the applicant?**

If no, please include the owner's name, address and a signed document indicating that the applicant has the authority to install and operate the proposed activity, or store vehicles or equipment on the land.  Yes  No

**Is the applicant the operating authority of the site that is the subject of this application?**

If no, please include the operating authority name, address and phone number.  Yes  No

**Is the site located in an area of development control as defined by the Niagara Escarpment Planning & Development Act (NEPDA)?**

If yes, please attach a copy of the NEPDA permit for proposed activity.  Yes  No

**Is the site within an area covered by the Oak Ridges Moraine Conservation Plan?**

If yes, please attach proof of municipal planning approval for the proposed activity/work (for example, zoning by-law, letter from municipality, etc.).  Yes  No

**4.3 Site Zoning and Classification ?**

Current Land Use

Vacant

Adjacent Land Use (select all that apply)

- Industrial
- Commercial
- Agricultural
- Recreational
- Other (specify): Institutional

Does the current zoning permit the proposed activity?  Yes  No

Does the applicant have correspondence from the municipality to confirm that the current zoning of the property permits the proposed use?  Yes  No If yes, please attach correspondence from the municipality.

Does the official plan designation support the proposed activity?  Yes  No  N/A

Official Plan Designation

Block 51-1 Mount Pleasant Community

Current Zoning (Please attach zoning map, if available.)

Residential: CRC(H)-2017, 2018, 2019

Adjacent Land Zoning

Residential, Agricultural, Institutional

**4.4 Point of Entry into Ontario** (for waste management system vehicles that are stored at an address outside of Ontario)

City in closest proximity to the point of entry Description of Point of Entry

**4.5 Source Protection/Drinking Water Threats** (sewage or waste disposal site applications only)

Check the source protection area(s) where the activity is/will be located:

<input type="checkbox"/> Ausable Bayfield	Grand River	Raisin Region	Lower Thames Valley
<input type="checkbox"/> Maitland Valley	Kettle Creek	South Nation	St. Clair Region
<input type="checkbox"/> Caledonia Region	Long Point	Grey Sauble	Upper Thames River
<input type="checkbox"/> Central Lake Ontario	Lakehead	Northern Bruce Peninsula	Crowe Valley
<input checked="" type="checkbox"/> Credit Valley	Mattagami	Saugeen Valley	Ganaraska
<input type="checkbox"/> Toronto and Region	Mississippi Valley	Sault Ste. Marie	Kawartha-Haliburton
<input type="checkbox"/> Essex	Rideau Valley	Lake Simcoe & Couchiching/Black River	Lower Trent
<input type="checkbox"/> Halton	Niagara	Nottawasaga Valley	Otonabee-Peterborough
<input type="checkbox"/> Hamilton	North Bay Mattawa	Severn Sound	Outside a source protection area
<input type="checkbox"/> Catfish Creek	Quinte	Sudbury	

Is the proposed activity located or planned to be located in a vulnerable area identified in a local assessment report source protection plan under the Clean Water Act, 2006?

Yes  No

If yes, what is/are the vulnerable area(s)/zone(s)?

- Wellhead Protection Areas
- Surface Water Intake Protection Zones
- Highly Vulnerable Aquifers
- Significant Groundwater Recharge Areas

Is the activity being applied for identified as a significant drinking water threat in the assessment report for the local source protection area?

Yes  No

**4.6 Receiver of Effluent Discharge** (sewage applications only)

Intermediate Receiver Name \_\_\_\_\_ Watershed Name \_\_\_\_\_ ?

Storm: Ex. SWM Pond S1, Sanitary: Ex. sewer on Creditview Road      Springbrook Creek

Surface Water      Groundwater      Other (specify): \_\_\_\_\_

Has the facility received local Conservation Authority clearance? (for stormwater management facility discharging to the natural environment)

Yes       N/A      If yes, please include a copy of the Conservation Authority clearance.

**Final Receivers**     N/A    ?

Will the proposed activity discharge sewage to any of the following critical receivers?

- Lake Simcoe       Rideau River       Detroit River       Other (specify): \_\_\_\_\_
- Great Lakes       Rouge River       Bay of Quinte

Is the receiver a Policy 2 receiver?     Yes     No

Do you have a Policy 2 deviation approval from the directors?     Yes     No      If yes, please attach a copy of the Director's approval.

**5.3 Sewage Works**      ? IF YOUR APPLICATION DOES NOT CONTAIN SEWAGE WORKS PLEASE PROCEED TO SECTION 5.4

**5.3.1 Facility Type – Sewage Works**      ?

Select the type of facility that is the subject of the application (select all that apply).

**Sewage Treatment Plant (STP)**

Further information:

- Primary
- Secondary
- Tertiary
- Receives septage
- Constructed/Engineered Wetlands
- On-site system
- Lagoons (check all that apply below)
- Septage
- Municipal
- Other (specify):

Please indicate the maximum design capacity of the municipal or private sewage treatment plant:

- ≤ 4,550 m<sup>3</sup>/day
- > 4,550 m<sup>3</sup>/day

Municipal or private facility

- Category:  New  1  2  3  4

Facility for the treatment of leachate

- Category:  New  1  2  3  4

Facility for the treatment of industrial process wastewater

- Category:  New  1  2  3  4

Facility for the disposal of non-contact cooling water

Subsurface disposal

Please indicate the design capacity of the subsurface disposal:

- ≤ 15 m<sup>3</sup>/day
- > 15 m<sup>3</sup>/day and < 50 m<sup>3</sup>/day
- > 50 m<sup>3</sup>/day

**Stormwater Management Facility**

- Category:  New  1  2  3  4

- Wet Pond
- Dry Pond
- Other (specify):

For the following, you must complete and attach the relevant sections of the pipe data form:

- Storm Sewers
- Combined Sewers
- Sanitary Sewers
- Ditches
- Forecains
- Pumping Station

Is a Hydrogeological Assessment required?  Yes  No (if yes, please attach the hydrogeological assessment.)

Is a review of effluent criteria assessment for stormwater management, cooling water or soil remediation facilities required?  Yes  No (if yes, please attach the final effluent criteria accepted by the Regional Office of the Ministry.)

Is a review of effluent criteria assessment for municipal or private sewage, industrial process wastewater or leachate treatment plant required?  Yes  No (if yes, please attach the final effluent criteria accepted by the Regional Office of the Ministry.)

**Facility Information**

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | **5 Facility Information** | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

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**5.3.2 Servicing ?**

The works will provide sewage servicing for (select all that apply):

Residential  Subdivision  **Is there a Municipal Responsibility Agreement in place?**  Yes  No  N/A

Condominium  Institutional  Other (specify):

If yes, please attach a copy of the Municipal Responsibility Agreement.

Other (specify):

Commercial  Hotel, Motel, Inn  Campground, Park  Rental Cabins

Resort  Shopping Malls  Other (specify): Convenience Commercial (Live/Work Units)

Restaurant  Highway Service Station/Gas Bars

**Industrial** Describe:

**5.3.3 Sewage Servicing for Waste Disposal/Landfill Sites ?**

Does/Will the sewage treatment facility receive waste disposal/landfill site leachate?  Yes  No If yes, please identify the site(s) below:

Name of Site Contributing Leachate

Environmental Compliance Approval Number

Volume of leachate (m<sup>3</sup>)

- 1.
- 2.
- 3.
- 4.
- 5.

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**6.1 General** — THIS IS A LIST OF SUPPORTING INFORMATION TO THIS APPLICATION AND IS SUBJECT TO THE FIPPA AND EBR. ?

Attachment	Attached	If no provide explanation (include referenced attachment if more space is required for rationale)	Confidential* (V)
Proof of legal name	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Enhanced EBR description	<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Provincial Officer Notice	<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Inspection Report	<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Detailed project and process description	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Pre-application Consultation Record	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
Legal Survey(s)	<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Site Plan(s)	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Scaled area location plan(s) with geo-referencing points identified	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Documentation in support of EBR Exception	<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Proof of Compliance with EAA Requirements	<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Proof of Consultation/Notification	<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Financial Assurance Estimate	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
Name, address and consent of land/site owner for the installation and operation of the proposed activity or storage location of equipment or vehicle	<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Name, address and phone number of the Operating Authority	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of NEPDA Permit	<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Copy/Proof of Municipal Planning Approval (ORMCA, general)	<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Municipal Zoning Confirmation Letter	<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Zoning map	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
Conservation Authority Clearance	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
Director's approval for Policy 2 Deviation	<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Application Fee	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

**Supporting Documentation and Technical Requirements**

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | **6 Supporting Documentation and Technical Requirements** | 7 Payment Information

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Attached  Yes  No If no, provide explanation. (include referenced attachment if more space is required for rationale)

Confidential  (V)

A copy of this application has been sent to the Ministry Local District Office

Yes  No

Explanation for confidentiality

Yes  No

Other (please describe):

Yes  No

**6.2 Air** *NA*

Emission Summary and Dispersion Modelling (ESDM) Report prepared in accordance with s.22 and of O. Reg. 419/05 (including signed checklist – PIBS 5357e)

Yes  No

Electronic copy of the Dispersion Modelling input and output files prepared in accordance with s.26 of O. Reg. 419/05

Yes  No

Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no

Ministry POI Limit – Supplement to Application for Approval, EPA S.9 (PIBS 4872)

Yes  No

Copies of forms requesting O. Reg. 419/05 instruments and supporting documentation

Yes  No

Other (please describe):

Yes  No

**6.3 Noise and Vibration** *NA*

Primary Noise Screening

Yes  No

Secondary Noise Screening

Yes  No

Abbreviated Acoustic Assessment Report including signed checklist (A-AAR)

Yes  No

Acoustic Assessment Report including signed checklist (AAR) (PIBS 5356e)

Yes  No

Vibration Assessment report

Yes  No

**Supporting Documentation and Technical Requirements**

Content  | General Information and Information  | Primary Information  | Confidential Information  | Professional Information  | Regulatory Information  | Date Information  | Data Information  | **6 Supporting Documentation and Technical Requirements** | 7 Payment Information

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\*\*\* SURVEILLANCE \*\*\*

Attachment  Attached  Yes  No  No  
 Noise Abatement Action Plan  Yes  No  No  
 Other (please describe):  Yes  No  No

If no, provide explanation. (include referenced attachment if more space is required for rationale)

Confidential: (V)

**6.4 Sewage**

- Signed Municipal Responsibility Agreement  Yes  No  No
- Detailed description of the proposed activities/works  Yes  No  No
- Notice of Completion for the Environmental Study Report (ESR)  Yes  No  N/A
- Design Brief  Yes  No  No
- Preliminary Engineering Report  Yes  No  N/A
- Final Plans  Yes  No  No
- Engineering Drawings and Specifications  Yes  No  No
- Sewage quantity and quality characteristics  Yes  No  No
- Stormwater Management Report  Yes  No  No
- Stormwater Management Plan  Yes  No  N/A
- Hydrogeological Assessment  Yes  No  No
- Environmental Impact Analysis  Yes  No  N/A
- Final effluent criteria accepted by regional office of the Ministry  Yes  No  No
- Sewage Works Limited Operational Flexibility Requirements  Yes  No  No
- 1. Engineer's Report  Yes  No  No
- 2. Declarations  Yes  No  No
- Pipe Design Data Form  Yes  No  No
- Other (please describe):  Yes  No  No

Supporting Documentation and Technical Requirements

Content Information | Primary Information | Detail Information | Profile Information | Default Information | Attachment Information

Print Form Clear Form

Attachment

Attached

If no explanation, include referenced attachment if more space is required for rationale)

Confidential (V)

6.5 Waste Disposal Sites NX

- Design and Operations Report  Yes  No
- Stormwater Management Report  Yes  No
- Hydrogeological Assessment  Yes  No
- Assessment of Physical and Water Use Conditions  Yes  No
- Waste Limited Operational Flexibility Requirements  Yes  No
- 1. Engineer's Report  Yes  No
- 2. Declarations  Yes  No
- Copy of notification to adjacent landowners  Yes  No
- Other (please describe):  Yes  No

6.6 Waste Management Systems NX

- Proof of vehicle and/or equipment ownerships  Yes  No
- Complete Fleet List (list of all vehicles, trailers and equipment used):  Yes  No
- Copy of the Liability Insurance for all vehicles for which insurance is required  Yes  No
- Copy of BUC recommendation  Yes  No
- Copy of the storage tank design  Yes  No
- Copy of commercial vehicle licence  Yes  No
- Description of the physical location where the vehicles transporting biomedical waste are being disinfected  Yes  No
- Drivers Training Manual (for PCB/Biomedical Waste)  Yes  No
- A copy of the applicant's Operation Plan including detailed packaging and biomedical waste handling methods  Yes  No
- Contingency and Emergency Procedures Plan (for PCB/Biomedical Waste/Hauled Sewage (Septage))  Yes  No
- Other (please describe):  Yes  No

**Supporting Documentation and Technical Requirements**

Content Information and Introduction  
 Site Information  
 Data Information  
 6 Supporting Documentation and Technical Requirements  
 7 Payment Information  
 Environmental

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Attachment

Attached

(include referenced attachment if more space is required for rationale)

Confidential\* (V)

**6.7 Mobile Waste Processing NA**

Design and Operations Report – Mobile Waste Processing of General Waste

Yes  No

Design and Operations Report – Mobile Waste Processing of Liquid Waste

Yes  No

Other (please describe):

Yes  No

**6.8 Cleanup of Contaminated Sites NA**

Design Report for Cleanup of Contaminated Sites

Yes  No

Other (please describe):

Yes  No

**6.9 Other Attachments NA**

Title

Reference

Confidential\* (V)

Are you attaching an additional list of attachments?  
 Yes  No

If there is not enough space to list all of the attachments included in this application package, please include an additional listing of these attachments.

\*Please note: The collection of personal information in this application is necessary to administer the Ministry's approvals program, which is authorized pursuant to the Environmental Protection Act and the Ontario Water Resources Act. The personal information collected in this application will be used to administer the program, including for the purposes of the Ministry's compliance and enforcement activities under the aforementioned acts, and for the purposes of making information in respect of Environmental Compliance Approvals available to the public with the exception of payment information. Questions about the collection of the information can be directed to a Client Service Representative, Environmental Approvals Access and Service Integration Branch, 2 St. Clair Avenue West, Floor 12A, Toronto Ontario M4V 1L5; Telephone outside Toronto 1-800-461-6290 or in Toronto 416-314-8001 or Fax 416-314-8452.

SI-HIP-RR-T-231

# Application

General Information and Instructions .....	2		
Application Summary .....	4		
<b>Required Information .....</b>	<b>5</b>		
<b>1 Applicant Information .....</b>	<b>6</b>		
1.1 Applicant Information .....	6		
1.2 Applicant Physical Address .....	6		
1.3 Applicant Mailing Address .....	7		
1.4 Statement of the Applicant .....	7		
1.5 Statement of the Municipality .....	7		
<b>2 Project Information .....</b>	<b>8</b>		
2.1 Reason for Application .....	8		
2.2 Project Type .....	8		
2.3 Approval Information .....	9		
2.4 Other Approval/Permits for Facility .....	9		
2.5 Technical Contacts .....	10		
<b>3 Regulatory Requirements .....</b>	<b>14</b>		
3.1 Environmental Bill of Rights (EBR) Requirements .....	14		
3.2 Environmental Assessment Act (EAA) Requirements .....	14		
3.3 Consultation/Notification .....	15		
<b>4 Site Information .....</b>	<b>16</b>		
4.1 Site Address or Storage Location .....	16		
4.2 Site or Storage Location Information .....	17		
4.3 Site Zoning and Classification .....	17		
4.4 Point of Entry into Ontario .....	18		
4.5 Source Protection/Drinking Water Threats .....	18		
4.6 Receiver of Effluent Discharge .....	19		
<b>5 Facility Information .....</b>	<b>20</b>		
5.1 Air .....	20		
5.2 Noise .....	22		
5.3 Sewage Works .....	24		
5.4 Waste Disposal Site .....	26		
<b>5.5 Waste Management Systems (Except Mobile Waste Processing) .....</b>	<b>30</b>		
5.6 Waste Management System -- Mobile Waste Processing .....	36		
5.7 Cleanup of Contaminated Sites .....	38		
<b>6 Supporting Documentation and Technical Requirements .....</b>	<b>39</b>		
6.1 General .....	39		
6.2 Air .....	40		
6.3 Noise and Vibration .....	40		
6.4 Sewage .....	41		
6.5 Waste Disposal Sites .....	42		
6.6 Waste Management Systems .....	42		
6.7 Mobile Waste Processing .....	43		
6.8 Cleanup of Contaminated Sites .....	43		
6.9 Other Attachments .....	43		
<b>7 Payment Information .....</b>	<b>45</b>		

ontario.ca/environment



[Print Form](#)

[Clear Form](#)



## General Information:

Information requested in this form is collected under the authority of the Environmental Protection Act (EPA), Ontario Water Resources Act (OWRA) and Environmental Bill of Rights (EBR), and will be used to evaluate applications for Environmental Compliance Approvals (ECAs) issued under Part II.1 of the EPA. This application form should not be used for *mobile PCB destruction facilities* and *land application sites of septage and biosolids*.

**For all questions related to preparing or submitting this form or about the Ministry's collection of information related to applying for an ECA, contact:**

### Environmental Approvals Access and Service Integration Branch

2 St. Clair Ave. West, Floor 12A,  
 Toronto, Ontario M4V 1L5.  
 Telephone outside Toronto 1-800-461-6290  
 or in Toronto 416-314-8001.

This office can also provide you with copies of application forms and supporting documentation.

## Instructions:

- Applicants are responsible for ensuring that they complete the most recent application form. Application forms and information about the required supporting documentation and technical requirements are available from the **Environmental Approvals Access and Service Integration Branch** (the address and phone number are provided in the General Information on this page). As well, you can get this information from your local District Office of the Ministry of the Environment, and on the Resources section of the Ministry of the Environment website at: [www.ene.gov.on.ca/environment/en/resources/index.htm](http://www.ene.gov.on.ca/environment/en/resources/index.htm).
- A complete application consists of:
  - a completed and signed application form;
  - all required supporting documents and technical requirements identified in:
    - this form,
    - Ministry guidance,
    - the Applications for Environmental Compliance Approvals regulation, and
  - payment of the application fee (in Canadian funds) by certified cheque or money order made payable to the Minister of Finance, or credit card payment (for payments up to \$10,000). For *Transfer of Review*, make your cheque or money order payable to the appropriate municipality.
- Submit the complete application as follows:
  - One (1) paper copy (unless your application is a *Transfer of Review*), one (1) electronic copy and the fee to the **Director, Environmental Approvals Access and Service Integration Branch** at the address provided in the General Information on this page.
  - If your application is a *Transfer of Review*, you must submit two (2) copies of the completed application and the fee to the designated municipal authority.
- You must also send a copy of the application without the fee to the local Ministry District Office that has jurisdiction over the area where the facilities are located. DO NOT send payment to the District Office.
  - To locate the appropriate local Ministry District Office, visit the Ministry of the Environment website at: [www.ene.gov.on.ca/environment/en/about/regional\\_district\\_offices/index.htm](http://www.ene.gov.on.ca/environment/en/about/regional_district_offices/index.htm).
- For Waste Disposal Sites you must also send a copy of the application without the fee to the Clerk's office of the local municipality (both upper and lower tier) in which the facility/proposed facility is located unless the application is for a revocation or an amendment that is environmentally insignificant or the applicant is a

**Print Form** **Clear Form** 

municipality. **DO NOT** send any payment information to the municipality.

Information collected by the Ministry of the Environment is subject to the Freedom of Information and Protection of Privacy Act (FIPPA). If you are of the view that any part of application is confidential on the grounds that such information constitutes a trade secret or scientific, technical, commercial, financial or labour relations information, please make this known now. Otherwise, the Ministry may make the information available to the public without further notice to you.

It is an offence under the EPA and OWRA to provide false or misleading information in this application and/or accompanying documents.

**The Electronic Form Smart Features**

The electronic version of this form incorporates several features to assist you with completing your application.

The electronic form will highlight required information with **red** and **green** indicators. **Red** means that the information is required before the section is complete.

The form will also calculate certain values based on the information you enter and will assist you in ensuring that all required information is included with your application. You can save a copy of this form that includes any information you have entered.

These features are available in Adobe Reader version 8 or above. You can download a copy from the website at: <http://get.adobe.com/reader/otherversions/>.

**Smart Features Legend:**

These active buttons appear throughout the Application form to provide additional support.

 **Mandatory fields required to be filled in**

**Mandatory fields completed**

 Click on the question mark icon to receive additional information.

**Print Form** — Prints the entire form.

**Clear Form** — Clears the entire form.

 **Save Form Button** — Saves the entire form.

**Calculate** — Calculates fees.

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Ministry of the Environment  
Public Information Centre:  
Telephone: 416-325-4000  
Toll-free: 1-800-565-4923  
E-mail: [picemail.moe@ontario.ca](mailto:picemail.moe@ontario.ca)  
[www.ontario.ca/Environment](http://www.ontario.ca/Environment)

# Application Summary

Contents | General Information and Instructions | **Application Summary** | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

[Print Form](#)

[Clear Form](#)

For Office Use Only

Reference Number

Payment Received

Date (yyyy/mm/dd)

Initials

## Application Summary

Applicant Name ?

Ashwid Development Inc.

Project Name ?

Mount Pleasant North Phase 2 (Region File No.: 21T-10013Ba, City File No.: C04W12.002)

Project Description Executive Summary ?

The subject lands are part of the Mount Pleasant Community in the City of Brampton. The subdivision is located east of Mississauga Road and north of Bovaird Drive West.

Storm and Sanitary sewers are proposed on Tysonville Circle, Aldersgate Drive.

# Application Summary

Contents | General Information and Instructions | **Application Summary** | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

[Print Form](#)

[Clear Form](#)



## Required Information ?

Completed (yes or no)

### Project Name & Description

Section 2: Project Information

Section 2: Project Information	Completed (yes or no)	Fee Summary: ?
Administrative Processing	Yes	\$ 200.00
Review of EPA s. 9 activities	Yes	\$ 0.00
Review of EPA s. 27 activities	Yes	\$ 0.00
Review of OWRA s. 53 activities	Yes	\$ 900.00
<b>Total Fee</b>		<b>\$ 1,100.00</b>
<a href="#">Calculate</a>		
	Yes	

Application Status Form Complete

The Ministry may request additional fees upon review of this application. If you are submitting this form in print version only and are not using the smart calculation feature, please attach the fee calculation separately.

## Supplemental Application Information

See help text on required information for this section. ?

Print Form Clear Form

1.1 Applicant Information ?

Applicant Name (legal name of individual or organization as evidenced by legal documents)

Ashwid Development Inc.

Business Number

001460321

Business Name [X] same as Applicant Name

Business Website Address:

Ashwid Development Inc.

http://www.mattamyhomes.com/

Applicant Type:

Primary North American Industry Classification System (NAICS) Code ?

Corporation  Federal Government

:237110

Individual  Municipal Government

Other NAICS codes (select all that apply)

Separate list attached?  Yes  No

Partnership  Provincial Government

Sole Proprietor  Other (describe):

Business Activity Description

Land Development

1.2 Applicant Physical Address ?

Civic Address - Street Information (includes street number, name, type and direction)

Unit Identifier (suite or unit number)

2360 Bristol Circle

Survey Address

Lot

Concession

Part

Reference Plan

Municipality/Unorganized Township or Territory Upper Tier/District

Province/State

Country

Postal Code/ZIP Code

Oakville

Ontario

Canada

L6H 6M5

Telephone Number (include area code & ext.)

Fax Number (include area code)

Mobile Number (include area code)

E-mail Address

905-829-7609

ext.

905-829-7610

karen.ford@mattamycorp.com

Geo Reference (required) ?

Description of location

Map Datum

Zone

Accuracy Estimate

Geo-Referencing Method

UTM Easting

UTM Northing

Southwest corner of property

Physical location of front door or main entrance

# Applicant Information

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

[Print Form](#)

[Clear Form](#)

[Save Form](#)

## 1.3 Applicant Mailing Address

Same as Applicant Physical Address?  Yes  No

Civic Address - Street Information (civic numbering and street information includes street number, name, type and direction) Unit Identifier (suite or unit number)

**2360 Bristol Circle** Postal Station

Delivery Designer Delivery Identifier

Municipality/Unorganized Township or Territory Province/State Country Postal Code/ZIP Code

**Town of Oakville** **Ontario** **Canada** **L6H 6M5**

## 1.4 Statement of the Applicant

I am authorized to prepare and submit this application and to make this certification. I have reviewed the complete application and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The information contained in this application is complete and accurate.
- The Technical Contact(s) identified in this application has/have been authorized to prepare certain technical material and act on behalf of the applicant to discuss this application with the Ministry of the Environment and to provide additional information about this application to the Ministry on request.
- The information provided to the Technical Contact(s) in relation to this application is complete and accurate.

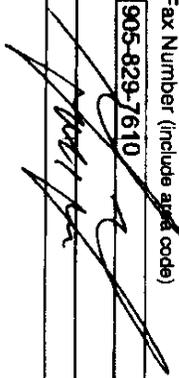
Name of Signing Authority (please print) Title

**Gord Buck** **Authorized Signing Officer**

Telephone Number (include area code & ext.) Fax Number (include area code) Mobile Number (include area code)

**1-905-829-7609** **ext.** **905-829-7610**

E-mail Address Signature Date (yyyy/mm/dd)

**karen.ford@matiamycomp.com**  **2012/10/16**

## 1.5 Statement of the Municipality N/A

I, the undersigned hereby declare on behalf of the Municipality, that the Municipality has no objection to the construction of the works in the Municipality.

Name and Title (please print) Name of Municipality

**Frank Mazzotta** **Dev. Approvals Engineer** **City of Brampton**

Signature Date (yyyy/mm/dd)

 **2012/10/16**

**Applicant Information**

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

Print Form Clear Form **Save Form**

**1.3 Applicant Mailing Address ?**

Same as Applicant Physical Address?  Yes  No

Civic Address - Street Information (civic numbering and street information includes street number, name, type and direction) Unit Identifier (suite or unit number)

2360 Bristol Circle

Delivery Designator Delivery Identifier

Postal Station

Municipality/Unorganized Township or Territory Province/State

Country

Postal Code/ZIP Code

Town of Oakville

Ontario

Canada

L6H 6M5

**1.4 Statement of the Applicant ?**

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- The information provided to the Technical Contact(s) in relation to this application is complete and accurate.

Name of Signing Authority (please print)

Title

Gord Buck

Authorized Signing Officer

Telephone Number (include area code & ext.)

Fax Number (include area code)

1-905-829-7609

905-829-7610

E-mail Address

Signature

Date (yyyy/mm/dd)

karen.ford@mattamycorp.com

*[Signature]*

2012/10/16

**1.5 Statement of the Municipality**  N/A ?

I, the undersigned hereby declare on behalf of the Municipality that the Municipality has no objection to the construction of the works in the Municipality.

Name and Title (please print)

J. Mohammed P. Eng.

Name of Municipality

REGION OF PEEL

Signature

*[Signature]*

Date (yyyy/mm/dd)

DEC 20 2012

# Project Information

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

Print Form Clear Form



## 2.1 Reason for Application ?

- New ECA
- Administrative amendment to existing ECA
- Amendment to existing ECA
- Application for renewal of limited operational flexibility
- Revocation of existing ECA
- Consolidation of existing ECAs

Are you adding a new project type to your site or a new municipal waste category/class code to your waste management systems or a new sewage facility type?  Yes  No

Is this for Transfer of Review?  Yes  No

## 2.2 Project Type (select all that apply) ?

Yes	N/A	Limited Operational Flexibility?	Pilot Project?	Yes	N/A		Limited Operational Flexibility?	Pilot Project?
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Sewage -- Industrial	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>	<input type="radio"/>	Sewage -- Municipal	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	Sewage -- Private	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Waste Management System -- General Waste Management System	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Waste Management System -- Hauled Sewage (Septage)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Waste Management System -- Soil Conditioner for transport to a site for Application on Land	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Waste Management System -- Mobile Waste Processing	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Cleanup of contaminated sites -- Mobile	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Cleanup of contaminated sites -- Site-specific	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Waste Disposal Site -- Thermal Treatment site	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Waste Disposal Site -- Composting site	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Waste Disposal Site -- Processing site	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Waste Disposal Site -- Transfer site	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	Waste Disposal Site -- Landfill site	<input type="checkbox"/>	<input type="checkbox"/>

# 2 Project Information

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

[Print Form](#)

[Clear Form](#)



## 2.3 Approval Information ?

Application Initiated by:

- Applicant
- S. 20.18 Order (attach copy)
- Condition of existing approval
- Provincial Officer Order (attach copy)
- Inspection Report (attach copy)
- Other (specify):

Current Environmental Compliance Approvals that may be changed or amended by this application:  N/A

Separate list attached?  Yes  No

Environmental Compliance Approval Number	Date of Issuance (yyyy/mm/dd)

Environmental Compliance Approval Number	Date of Issuance (yyyy/mm/dd)

Proposed Environmental Compliance Approvals related to this project: | N/A

Separate list attached?  Yes  No

Project type	Ministry Reference Number (if applicable)	Have submitted	Have not submitted
Sewage – Municipal	TBD	<input type="radio"/>	<input checked="" type="radio"/>
		<input type="radio"/>	<input type="radio"/>
		<input type="radio"/>	<input type="radio"/>
		<input type="radio"/>	<input type="radio"/>

## 2.4 Other Approval/Permits for Facility N/A ?

Separate list attached?  Yes  No

List all other instruments (approvals or permits) issued by the Ministry of the Environment or applied for under the Environmental Protection Act, Environmental Assessment Act, Ontario Water Resources Act and Safe Drinking Water Act, 2002 and any Environmental Activity and Sector Registrations that are relevant to this application.

Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)
Sewage - Municipal	4505-8U3JE7	2012/05/08

Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)

# 2

## Project Information

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

[Print Form](#)

[Clear Form](#)

### 2.5 Technical Contacts ?

#### Technical Contact 1

Area of Responsibility (check all that apply)  Air  Noise/Vibration  Sewage  Waste

Name of Technical Contact  
Jeff Ormonde

Company  
Urbantech Consulting

Telephone Number (include area code & ext.)  
905-946-9461 ext. 408

Mobile Number (include area code)

Fax Number (include area code)  
905-946-9595

E-mail Address  
jormonde@urbantech.com

#### Address Information: ?

Same as Applicant Mailing Address?  Yes  No (if no, please provide technical contact address information below.)

Unit Identifier (suite or unit number)  
Suite 201

25 Royal Crest Court

Delivery Designator

Postal Station

Municipality/Unorganized Township or Territory

Province/State

Country

Postal Code/ZIP Code

Markham

Ontario

Canada

L3R 9X4

I have been authorized by the applicant to prepare the technical materials for the area(s) of responsibility identified above that are included in the application. I have reviewed those technical materials and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The technical materials contained in this application in respect of the area(s) of responsibility identified above are complete and accurate.
- I have the relevant education and experience necessary to provide this certification.

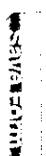
Signature

Date (yyyy/mm/dd)

2017/09/29

[Print Form](#)

[Clear Form](#)



**3.1 Environmental Bill of Rights (EBR) Requirements ?**

Is this a proposal for a prescribed instrument under the EBR?  Yes  No

If yes, is this proposal exempted from the EBR requirements?  Yes  No

If yes, please check one of the following (Please provide supporting information.)

- This proposal has been considered in a substantially equivalent process of public participation. (EBR, 1993, s.30.)
- This proposal is for an emergency situation. (EBR, 1993, s. 29.)
- This proposal is for an amendment to or revocation of an existing Environmental Compliance Approval that is not environmentally significant. (EBR, 1993, s. 22 (3).)
- This proposal has been subject to or exempted from EAA Requirements or considered in a decision of a tribunal. (EBR, 1993, s. 32.)

**3.2 Environmental Assessment Act (EAA) Requirements ?**

Is the proposed undertaking subject to the requirements of the EAA?  Yes  No

If yes, please check one of the following:

- The undertaking has fulfilled the requirements of the EAA through an exemption provided under:  
 Section \_\_\_\_\_ of Ontario Regulation No. \_\_\_\_\_

or

- Declaration/Exemption Order Number \_\_\_\_\_  
If Regulation, Declaration Order or Exemption Order does not refer directly to this undertaking, please provide supporting documentation to explain why it applies to this facility.
- The proposed undertaking has fulfilled the requirements of the EAA through the completion of a Class EA process:

Name of Class EA:

Schedule/Group/Category (if applicable):

If applicable, please submit a copy of the proof of completion (for example, Notice of Completion).

Was the undertaking subject of a Part II Order request(s)?  Yes  No If yes, please submit a copy of the Director's or Minister's decision letter.

- The proposed undertaking has fulfilled all of the requirements for the EAA through:

completion of an Environmental Screening Process pursuant to O. Reg. 101/07 of the EAA

completion of an Environmental Screening Process pursuant to O. Reg. 116/01 of the EAA

Was the undertaking subject of an elevation request(s)?  Yes  No If yes, please submit a copy of the Director's decision letter.

If an appeal was made of the Director's decision, please also submit a copy of the Minister's decision letter.

completion of an Environmental Screening Process pursuant to O. Reg. 231/08 of the EAA

Was the undertaking subject of an objection(s)?  Yes  No If yes, please submit a copy of the Minister's decision letter.

- The proposed undertaking has fulfilled the requirements of the EAA through the completion of an individual Environmental Assessment.

Please submit a copy of the signed Notice of Approval.

3.3 Consultation/Notification ?

Are there any consultation/notification activities that you have undertaken to fulfill requirements by other legislation or through voluntary efforts?

Yes  No

If yes, please:

- 1) describe the consultation/notification activities below; and
- 2) attach documents describing each of these consultation/notification activities, any changes to the project as a result of these activities and any planned consultation/notification activities in the future.

[Print Form](#)

[Clear Form](#)



**4.1 Site Address or Storage Location ?**

Will the vehicles or equipment be stored at more than one location?  Yes  No

(If yes, please enter all vehicle or equipment storage locations below and attach separate list, as necessary.)

Same as Applicant Physical Address?  Yes  No

**Primary Civic Address** --- Street Information (includes street number, name, type and direction) Unit Identifier (suite or unit number)

Additional Civic Addresses Separate list attached?  Yes  No

Unit Identifier (suite or unit number)

**Primary Survey Address**

Lot \_\_\_\_\_ Concession \_\_\_\_\_ Part \_\_\_\_\_

Reference Plan

Part of Lot 11 and 12 4

Additional Survey Addresses Separate list attached?  Yes  No

Lot \_\_\_\_\_ Concession \_\_\_\_\_ Part \_\_\_\_\_

Reference Plan

Municipality/Unorganized Township or Territory  
 City of Brampton

Upper Tier/District  
 Region of Peel

Province/State  
 Ontario

Country  
 Canada

Postal Code/ZIP Code  
 N/A

Non-address Information (includes any additional information to clarify the physical location)

At the intersection of Mississauga Road and Bovaird Drive West, East of Mississauga Road, North of Bovaird Drive West

Same as Applicant Physical Geo Reference? <input type="radio"/> Yes <input checked="" type="radio"/> No		Geo Reference (required) ?	
Description of location	Map Datum	Zone	Accuracy Estimate
Southwest corner of property	NAD83	17	20mm
Physical location of front door or main entrance	NAD83	17	20mm
			Geodetic Survey
			Geodetic Survey
			5933262.22
			5933997.21
			4836636.96
			4835090.20

**Site Information** Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

[Print Form](#) [Clear Form](#)

**4.2 Site or Storage Location Information ?**

Site Name: Mount Pleasant North Phase 2  
Days and Hours of Operation: Typically M-F, 7am to 5pm  
Ministry of the Environment District Office  
Halton-Peel District Office

**Is the site (property) that is the subject of this application owned by the applicant?**

If no, please include the owner's name, address and a signed document indicating that the applicant has the authority to install and operate the proposed activity, or store vehicles or equipment on the land.  Yes  No

**Is the applicant the operating authority of the site that is the subject of this application?**

If no, please include the operating authority name, address and phone number.  Yes  No

**Is the site located in an area of development control as defined by the Niagara Escarpment Planning & Development Act (NEPDA)?**

If yes, please attach a copy of the NEPDA permit for proposed activity.  Yes  No

**Is the site within an area covered by the Oak Ridges Moraine Conservation Plan?**

If yes, please attach proof of municipal planning approval for the proposed activity/work (for example, zoning by-law, letter from municipality, etc.).  Yes  No

**4.3 Site Zoning and Classification ?**

Current Land Use: Vacant  
Official Plan Designation: Block 51-1 Mount Pleasant Community  
Current Zoning (Please attach zoning map, if available.): Agricultural

Adjacent Land Use (select all that apply): Industrial, Commercial, Residential, Agricultural

Adjacent Land Zoning: Residential and Agricultural

Does the current zoning permit the proposed activity?  Yes  No

Does the applicant have correspondence from the municipality to confirm that the current zoning of the property permits the proposed use?  Yes  No

If yes, please attach correspondence from the municipality.

Does the official plan designation support the proposed activity?  Yes  No  N/A

**4.4 Point of Entry into Ontario** (for waste management system vehicles that are stored at an address outside of Ontario) ?

City in closest proximity to the point of entry	Description of Point of Entry

**4.5 Source Protection/Drinking Water Threats** (sewage or waste disposal site applications only) ?

Check the source protection area(s) where the activity is/will be located:

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Ausable Bayfield         | <input type="checkbox"/> Grand River        | <input type="checkbox"/> Raisin Region                         | <input type="checkbox"/> Lower Thames Valley              |
| <input type="checkbox"/> Maitland Valley          | <input type="checkbox"/> Kettle Creek       | <input type="checkbox"/> South Nation                          | <input type="checkbox"/> St. Clair Region                 |
| <input type="checkbox"/> Cataraqui Region         | <input type="checkbox"/> Long Point         | <input type="checkbox"/> Grey Sauble                           | <input type="checkbox"/> Upper Thames River               |
| <input type="checkbox"/> Central Lake Ontario     | <input type="checkbox"/> Lakehead           | <input type="checkbox"/> Northern Bruce Peninsula              | <input type="checkbox"/> Crowe Valley                     |
| <input checked="" type="checkbox"/> Credit Valley | <input type="checkbox"/> Mattagami          | <input type="checkbox"/> Sauguen Valley                        | <input type="checkbox"/> Ganaraska                        |
| <input type="checkbox"/> Toronto and Region       | <input type="checkbox"/> Mississippi Valley | <input type="checkbox"/> Saut Ste. Marie                       | <input type="checkbox"/> Kawartha-Haliburton              |
| <input type="checkbox"/> Essex                    | <input type="checkbox"/> Rideau Valley      | <input type="checkbox"/> Lake Simcoe & Couchiching/Black River | <input type="checkbox"/> Lower Trent                      |
| <input type="checkbox"/> Halton                   | <input type="checkbox"/> Niagara            | <input type="checkbox"/> Nottawasaga Valley                    | <input type="checkbox"/> Otonabee-Peterborough            |
| <input type="checkbox"/> Hamilton                 | <input type="checkbox"/> North Bay Mattawa  | <input type="checkbox"/> Severn Sound                          | <input type="checkbox"/> Outside a source protection area |
| <input type="checkbox"/> Catfish Creek            | <input type="checkbox"/> Quinte             | <input type="checkbox"/> Sudbury                               |   |

Is the proposed activity located or planned to be located in a vulnerable area identified in a local assessment report source protection plan under the Clean Water Act, 2006?

- Yes  No

If yes, what is/are the vulnerable area(s)/zone(s)?

- Wellhead Protection Areas  Surface Water Intake Protection Zones  
 Highly Vulnerable Aquifers  Significant Groundwater Recharge Areas

Is the activity being applied for identified as a significant drinking water threat in the assessment report for the local source protection area? ?

- Yes  No

**4.6 Receiver of Effluent Discharge** (sewage applications only) ?

Intermediate Receiver Name

Watershed Name

Stm: External SWM Pond HE-4, San: connection to Ex: San MH16A on Tyson Rd Huttonville Creek

Surface Water  Groundwater  Other (specify):

Has the facility received local Conservation Authority clearance? (for stormwater management facility discharging to the natural environment)  
 Yes  N/A If yes, please include a copy of the Conservation Authority clearance.

**Final Receivers** X N/A ?

Will the proposed activity discharge sewage to any of the following critical receivers?

- Lake Simcoe  Rideau River  Detroit River  Other (specify):
- Great Lakes  Rouge River  Bay of Quinte

Is the receiver a Policy 2 receiver?  Yes  No

Do you have a Policy 2 deviation approval from the directors?  Yes  No If yes, please attach a copy of the Director's approval.

5.3 Sewage Works ? IF YOUR APPLICATION DOES NOT CONTAIN SEWAGE WORKS PLEASE PROCEED TO SECTION 5.4

5.3.1 Facility Type – Sewage Works ?

Select the type of facility that is the subject of the application (select all that apply):

Sewage Treatment Plant (STP)

Further information:

- Primary
- Secondary
- Tertiary
- Receives septage
- Constructed/Engineered Wetlands
- On-site system
- Lagoons (check all that apply below)
- Septage
- Municipal
- Other (specify):

Municipal or private facility  
Please indicate the maximum design capacity of the municipal or private sewage treatment plant:

Category:  New  1  2  3  4  ≤ 4,550 m³/day  > 4,550 m³/day

Facility for the treatment of leachate

Category:  New  1  2  3  4

Facility for the treatment of industrial process wastewater

Category:  New  1  2  3  4

Facility for the disposal of non-contact cooling water

Subsurface disposal

Please indicate the design capacity of the subsurface disposal:  
 ≤ 15 m³/day  > 15 m³/day and < 50 m³/day  > 50 m³/day

Stormwater Management Facility

Category:  New  1  2  3  4  Wet Pond  Dry Pond  Other (specify):

For the following, you must complete and attach the relevant sections of the pipe data form:

- Storm Sewers
- Combined Sewers
- Sanitary Sewers
- Ditches
- Force mains
- Pumping Station

Is a Hydrogeological Assessment required?  Yes  No (If yes, please attach the hydrogeological assessment.)

Is a review of effluent criteria assessment for stormwater management, cooling water or soil remediation facilities required?  Yes  No (If yes, please attach the final effluent criteria accepted by the Regional Office of the Ministry.)

Is a review of effluent criteria assessment for municipal or private sewage, industrial process wastewater or leachate treatment plant required?  Yes  No (If yes, please attach the final effluent criteria accepted by the Regional Office of the Ministry.)

**Facility Information**

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

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5.3.2 Servicing ?

The works will provide sewage servicing for (select all that apply):

Residential  Subdivision  Is there a Municipal Responsibility Agreement in place?  Yes  No  N/A

Condominium  Institutional  Other (specify):

If yes, please attach a copy of the Municipal Responsibility Agreement.

Commercial  Hotel, Motel, Inn  Campground, Park  Rental Cabins

Resort  Shopping Malls  Other (specify):

Restaurant  Highway Service Station/Gas Bars

Industrial Describe:

5.3.3 Sewage Servicing for Waste Disposal/Landfill Sites ?

Does/Will the sewage treatment facility receive waste disposal/landfill site leachate?  Yes  No If yes, please identify the site(s) below.

Name of Site Contributing Leachate	Environmental Compliance Approval Number	Volume of leachate (m <sup>3</sup> )
1.		
2.		
3.		
4.		
5.		



6.1 General — THIS IS A LIST OF SUPPORTING INFORMATION TO THIS APPLICATION AND IS SUBJECT TO THE FIPPA AND EBR. ?

Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (✓)
Proof of legal name	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Enhanced EBR description	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Provincial Officer Notice	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Inspection Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Detailed project and process description	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Pre-application Consultation Record	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
Legal Survey(s)	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Site Plan(s)	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Scaled area location plan(s) with geo-referencing points identified	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Documentation in support of EBR Exception	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Proof of Compliance with EAA Requirements	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Proof of Consultation/Notification	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Financial Assurance Estimate	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
Name, address and consent of land/site owner for the installation and operation of the proposed activity or storage location of equipment or vehicle	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Name, address and phone number of the Operating Authority	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of NEPDA Permit	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy/Proof of Municipal Planning Approval (ORMCA, general)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Municipal Zoning Confirmation Letter	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
Zoning map	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Conservation Authority Clearance	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Director's approval for Policy 2 Deviation	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Application Fee	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

**Supporting Documentation and Technical Requirements**

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | **6 Supporting Documentation and Technical Requirements** | 7 Payment Information

[Print Form](#) [Clear Form](#)



Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (✓)
A copy of this application has been sent to the Ministry Local District Office	<input checked="" type="radio"/> Yes <input type="radio"/> No		1
Explanation for confidentiality	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe):	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

**6.2 Air**

Emission Summary and Dispersion Modelling (ESDM) Report prepared in accordance with s.22 and of O. Reg. 419/05 (including signed checklist – PIBS 5357e)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Electronic copy of the Dispersion Modelling input and output files prepared in accordance with s.26 of O. Reg. 419/05	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit – Supplement to Application for Approval, EPA S.9 (PIBS 4872)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copies of forms requesting O. Reg. 419/05 instruments and supporting documentation	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe):	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

**6.3 Noise and Vibration**

Primary Noise Screening	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Secondary Noise Screening	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Abbreviated Acoustic Assessment Report including signed checklist (A-AAR)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Acoustic Assessment Report including signed checklist (AAR) (PIBS 5356e)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Vibration Assessment report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

**Supporting Documentation and Technical Requirements**

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

[Print Form](#) [Clear Form](#)



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Noise Abatement Action Plan	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe):	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

**6.4 Sewage**

<input checked="" type="checkbox"/> Signed Municipal Responsibility Agreement	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Detailed description of the proposed activities/works	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Notice of Completion for the Environmental Study Report (ESR)	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
<input checked="" type="checkbox"/> Design Brief	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Preliminary Engineering Report	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
<input checked="" type="checkbox"/> Final Plans	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Engineering Drawings and Specifications	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Sewage quantity and quality characteristics	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Stormwater Management Report	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Stormwater Management Plan	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Hydrogeological Assessment	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Environmental Impact Analysis	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
<input checked="" type="checkbox"/> Final effluent criteria accepted by regional office of the Ministry	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<b>Sewage Works Limited Operational Flexibility Requirements</b>			
1. Engineer's Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
2. Declarations	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Pipe Design Data Form	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe):	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

**Supporting Documentation and Technical Requirements**

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

[Print Form](#)

[Clear Form](#)



Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (V)
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**6.5 Waste Disposal Sites**

Design and Operations Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Stormwater Management Report	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
Hydrogeological Assessment	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Assessment of Physical and Water Use Conditions	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
Waste Limited Operational Flexibility Requirements			
1. Engineer's Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
2. Declarations	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of notification to adjacent landowners	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe):	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

**6.6 Waste Management Systems**

Proof of vehicle and/or equipment ownerships	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Complete Fleet List (list of all vehicles, trailers and equipment used)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of the Liability Insurance for all vehicles for which insurance is required	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of BUC recommendation	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of the storage tank design	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of commercial vehicle licence	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Description of the physical location where the vehicles transporting biomedical waste are being disinfected	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
Drivers Training Manual (for PCB/Biomedical Waste)	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
A copy of the applicant's Operation Plan including detailed packaging and biomedical waste handling methods	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
Contingency and Emergency Procedures Plan (for PCB/Biomedical Waste/Hauled Sewage (Seplage))	<input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	<input type="checkbox"/>
Other (please describe):	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

**Supporting Documentation and Technical Requirements**

Contents | General Information and Instructions | Application Summary | 1 Applicant Information | 2 Project Information | 3 Regulatory Requirements | 4 Site Information | 5 Facility Information | 6 Supporting Documentation and Technical Requirements | 7 Payment Information

[Print Form](#)

[Clear Form](#)



Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (✓)
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**6.7 Mobile Waste Processing**

Design and Operations Report – Mobile Waste Processing of General Waste	<input type="radio"/> Yes <input type="radio"/> No	<input type="checkbox"/>
Design and Operations Report – Mobile Waste Processing of Liquid Waste	<input type="radio"/> Yes <input type="radio"/> No	<input type="checkbox"/>
Other (please describe):	<input type="radio"/> Yes <input type="radio"/> No	<input type="checkbox"/>

**6.8 Cleanup of Contaminated Sites**

Design Report for Cleanup of Contaminated Sites	<input type="radio"/> Yes <input type="radio"/> No	<input type="checkbox"/>
Other (please describe):	<input type="radio"/> Yes <input type="radio"/> No	<input type="checkbox"/>

**6.9 Other Attachments**

Title	Reference	Confidential* (✓)
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
Are you attaching an additional list of attachments? <input type="radio"/> Yes <input checked="" type="radio"/> No	If there is not enough space to list all of the attachments included in this application package, please include an additional listing of these attachments.	<input type="checkbox"/>

\*Please note: The collection of personal information in this application is necessary to administer the Ministry's approvals program, which is authorized pursuant to the Environmental Protection Act and the Ontario Water Resources Act. The personal information collected in this application will be used to administer the program, including for the purposes of the Ministry's compliance and enforcement activities under the aforementioned acts, and for the purposes of making information in respect of Environmental Compliance Approvals available to the public with the exception of payment information. Questions about the collection of the information can be directed to a Client Service Representative, Environmental Approvals Access and Service Integration Branch, 2 St. Clair Avenue West, Floor 12A, Toronto Ontario M4V 1L5; Telephone outside Toronto 1-800-461-6290 or In Toronto 416-314-8001 or Fax 416-314-8452.

This page has been intentionally left blank, please proceed to page 45 for Payment Information.

[Print Form](#)

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**Payment Information: Application for an Environmental Compliance Approval ?**

Please Note:

1. If you are completing this form by hand, you must complete and attach your fee calculations separately. You do not need to include the supplemental fee calculations if you are filling in this form electronically.
  2. If you are completing this form electronically, the fees for this application have been calculated based on the information you have provided. The Ministry may require additional information during the review of your application that could impact the total fee required.
  3. All fees should be paid in Canadian funds, payable to the *Minister of Finance*, except fees for *Transfer of Review*, which are payable to the local municipality.
  4. Credit card payments are accepted for payments under \$10,000 only.
  5. If you are paying by certified cheque or money order, please staple your payment to this page.
  6. The information collected in this section of the form is considered confidential and will only be used to process your application fee.
- Do not include this page in the copies of your application that are being provided to the Local Ministry District Office.**

Amount Enclosed                      \$ 1,100.00

Method of Payment

Certified Cheque                       Money Order

VISA     MasterCard                       American Express

Credit Card Information (if paying by VISA, MasterCard or American Express)

Name on Card (please print)                      Credit Card Number                      Expiry Date (mm/yyyy)

Cardholder Signature                      Date (yyyymmdd)

*If paying by certified cheque or money order,  
please attach it here.*



5 Restrictions, if any, on business the company may carry on or on powers the corporation may exercise.

*Limites, s'il y a lieu, imposées aux activités commerciales ou aux pouvoirs de la compagnie.*

None

6 The classes and any maximum number of shares that the corporation is authorized to issue.

*Catégories et nombre maximal, s'il y a lieu, d'actions que la compagnie est autorisée à émettre:*

An unlimited number of shares of one class designated as common shares.

7 Rights, privileges, restrictions and conditions (if any) attaching to each class of shares and directors authority with respect to any class of shares which may be issued in series:

*Droits, privilèges, restrictions et conditions, s'il y a lieu, rattachés à chaque catégorie d'actions et pouvoirs des administrateurs relatifs à chaque catégorie d'actions qui peut être émise en série:*

None

8 The issue, transfer or ownership of shares is/is not restricted and the restrictions (if any) are as follows:

*L'émission, le transfert ou la propriété d'actions est/n'est pas restreinte. Les restrictions, s'il y a lieu, sont les suivantes:*

No shares of the Corporation shall be transferred without either (i) the consent of the directors to be signified by a resolution passed by the board or (ii) the consent of the shareholders to be signified by a resolution passed by the shareholders.

9 Other provisions, if any, are:

*Autres dispositions, s'il y a lieu:*

- (a) The number of shareholders of the Corporation, exclusive of persons who are in its employment and exclusive of persons who, having been formerly in the employment of the Corporation, were while in that employment, and have continued after termination of that employment to be, shareholders of the Corporation, is limited to not more than fifty (50), two (2) or more persons who are the joint registered owners of one (1) or more shares being counted as one (1) shareholder; and
- (b) Any invitation to the public to subscribe for its securities is prohibited.

10 The names and addresses of the incorporators are

*Nom et adresse des fondateurs*

First name, initials and last name or corporate name  
*Prénom, initiale et nom de famille ou dénomination sociale*

Full address for service or address of registered office or of principal place of business giving street & No. or R.R. No., municipality and postal code  
*Domicile élu, adresse du siège social ou adresse de l'établissement principal, y compris la rue et le numéro, le numéro de la R.R., le nom de la municipalité et le code postal*

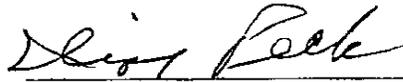
Iliff L.B. Peck

2200 Yonge Street  
Suite 1301  
Toronto, Ontario  
M4S 2C6

These articles are signed in duplicate.

*Les présents statuts sont signés en double exemplaire.*

Signatures of incorporators / *Signatures des fondateurs*



Iliff L.B. Peck

Mattamy (Credit River) Limited

City of Brampton

Attachment to Section 6.1 of the ECA application

Operating authority for Storm Sewer System

City of Brampton  
2 Wellington Street West  
Brampton, Ontario, Canada  
L6Y 4R2

Tel: (905) 874-2000

Mattamy (Credit River) Limited

Region of Peel

Attachment to Section 6.1 of the ECA application

Operating authority for Sanitary Sewer System

Region of Peel  
10 Peel Centre Drive,  
Suite A and B  
Brampton, ON  
L6T 4B9

Tel: 905-791-7800

## PIPE DATA FORM

### WATERMAIN, STORM SEWER, SANITARY SEWER, AND FORCEMAIN DESIGN

### SUPPLEMENT TO APPLICATION FOR APPROVAL FOR WATER AND SEWAGE WORKS

#### **General:**

Information requested in this form is collected under the authority of the *Ontario Water Resources Act*, R.S.O. 1990 (OWRA), the *Safe Drinking Water Act* (SDWA), the Drinking-Water Systems Regulation (O. Reg. 170.03) and the *Environmental Bill of Rights, c. 28*, Statutes of Ontario 1993 (EBR). This information will be used to evaluate applications for approval of municipal and private sewage works as required by Section 53 (OWRA) and to evaluate applications for approval of municipal and non-municipal drinking-water systems as required by Sections 31, 36, 38, 52 and 60 of the SDWA.

#### **Instructions:**

1. This form should accompany all Applications for a Water and Sewage Works. It does not replace the Application form for a Certificate of Approval and is required in addition to the supporting technical information described in the Guide for Applying for Municipal and Private Water and Sewage Works. All designs are expected to be in accordance with MOE design guidelines and the 10 State Standards.
2. The information contained in this form and the required supporting stamped engineering drawings are the minimum information requirements used to process the application for a Certificate of Approval. All sections MUST be filled out and incomplete forms will be RETURNED to the applicant. If the design does not meet the MOE design guidelines and the 10 State Standards, please explain why and how the issue will be addressed. Additional information may be requested during the review process.
3. Application forms and supporting documentation are available from the Environmental Assessment and Approvals Branch toll free at 1-800-461-6290 (locally at 416-314-8001), from your local District Office of the Ministry of the Environment, and in the "Publications" section of the Ministry of the Environment website at [www.ene.gov.on.ca](http://www.ene.gov.on.ca).
4. Questions regarding completion and submission of this data form should be directed to the Environmental Assessment and Approvals Branch, 2 St. Clair Avenue West, Floor 12A, Toronto, Ontario, M4V 1L5, 1-800-461-6290 or (416) 314-8001, or to your local District Office of the Ministry of the Environment.

**INFORMATION FOR PROPONENTS  
APPLYING FOR A CERTIFICATE OF APPROVAL FOR  
WATER AND SEWAGE WORKS**

Section 53 of the Ontario Water Resources Act R.S.O. 1990 and Part V of the Safe Drinking Water Act require that anyone who establishes, alters, extends or replaces new or existing water or sewage works do so only in accordance with approval granted by the Director. As a result, any plans to change watermains, storm sewers, sanitary sewers, or combined sewers must first be granted a Certificate of Approval (works which are exempt from Certificate of Approval requirements are detailed in Ontario Regulation 525/98). Detailed information on approval requirements and procedures are contained in separate documents entitled "Guide for Applying for Approval of Municipal and Private Water and Sewage Works (Section 53 Ontario Water Resources Act R.S.O. 1990)" and "Guide For Applying For Approvals Related To Municipal And Non-Municipal Drinking-Water-Systems – Parts V and VI of the Safe Drinking Water Act and Drinking-Water Systems Regulation" These documents are available on the Ministry of the Environment's website ([www.ene.gov.on.ca](http://www.ene.gov.on.ca)) or can be obtained by contacting a client services representative at (416) 314-8001.

**CRITERIA FOR APPROVAL – WATER AND SEWAGE WORKS**

The anticipated environmental impacts of water and sewage works are land and water contamination, or overflow causing physical damage, or resulting in adverse effects. Generally, these impacts can be minimized by the appropriate design installation, operating and maintenance of the water and sewage pipes. There are a number of guideline assessment criteria, which will be explained in this data form, and which can be read in greater detail in the following guidelines:

- Guidelines for the design of water distribution systems, Ministry of the Environment, 1985
- Guidelines for the design of sanitary sewage systems, Ministry of the Environment, 1985
- Interim guidelines for the design of storm sewer systems, Ministry of the Environment, 1985
- Procedure for the Determination of Treatment Requirements for Municipal and Private Combined and Partially Separated Sewer Systems (Procedure F-5-5)
- Procedures to govern separation of sewers and watermains (Procedure F-6-1)

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**1.0 GENERAL PROJECT INFORMATION**

- 1.1 Site Name Mount Pleasant North Phase 2
- 1.2 Municipality City of Brampton
- Client (if different from Municipality) Ashwid Development Inc.
- 1.3 Type of Works Project (please check all that apply)
- Watermain *Please complete Sections 1.0 to 5.0 of this form*
- Storm Sewer *Please complete Sections 1.0 to 4.0, 6.0 and Appendix A of this form*
- Sanitary Sewer *Please complete Sections 1.0 to 4.0, 7.0 and Appendix B of this form*
- Forcemain *Please complete Sections 1.0 to 4.0, 8.0 and Appendix C of this form*
- 1.4 (a) Project Purpose (please check all that apply)
- Replacement     Increased demand     Connecting existing lines     New development
- Other: \_\_\_\_\_
- 

**2.0 ENVIRONMENTAL ASSESSMENT ACT REQUIREMENTS**

- 2.1 Is this a private sector project?
- Yes     No    *If 'No', please complete 2.2 and 2.3*
- 2.2 (a) Choose applicable Municipal sector Class EA Schedule
- Schedule A     Schedule B     Schedule C
- (b) From the appropriate Schedule identified in 2.2(a), please identify Project Type and associated Schedule/Paragraph No. which applies to the proposed project
- Water Project     Wastewater Project    Schedule No. \_\_\_\_\_
- For 'Schedule B' please complete 2.3(a),(b)    For 'Schedule C', please complete 2.3(a),(b),(c)*
- 2.3 (a) Has a Notice of Completion been submitted along with this application?
- Yes     No
- (b) Were any Part II Orders (ie. "Bump-up" requests) received for this project?
- Yes     No
- If 'Yes', please provide details: \_\_\_\_\_*
- (c) Has an Environmental Study Report (ESR) been completed?
- Yes     No
- If 'Yes', please include ESR Cover page with this submission*
-

---

### 3.0 DRAWINGS

NOTE: All drawings must include an accurate scale and be stamped by a Professional engineer. If the drawing is of a large scale where small separation distances cannot be easily measured, these distances must be marked on the drawing or noted as a typical separation.

Have the following details been included with this submission?

- Site Plan, including*
  - Proposed works
  - Existing works (as appropriate)
  - Property lines/Municipal boundaries
  - Any water bodies in proximity to the works
- Plan and Profile of all Pipes*
  - Horizontal distance between watermains and sewers
  - Vertical distance between watermains and sewers
  - Length, diameter and slope of each pipe segment
  - Locations of valves, valve chambers if > 300mm diameter, pressure reducers, tees, etc
  - Location of manholes (and their respective IDs)
- Storm Drainage Area*
  - Indicate all areas which drain into the proposed works
  - Physical area in hectares
  - Runoff Coefficient for each drainage area
  - Storm water drainage path
- Sanitary Drainage Area*
  - Indicate all areas which drain into the proposed works
  - Physical area in hectares
  - Population for each drainage area
  - Sanitary Sewer drainage path
- Other Details*
  - Typical separations, where not easily measured from pipe drawings
  - Appertunances
  - Municipal drains

---

### 4.0 ADDITIONAL INFORMATION

- 4.1 Are the proposed works laid below the frost penetration depth for the area at all points?  
 Yes       No
- 4.2 (a) Are all existing and proposed watermains separated by at least 2.5 m of clear horizontal distance from all existing and proposed sewers and storm water conveyance systems (ie. ditches)?  
 Yes       No
- (b) Are all existing and proposed watermains separated by at least 0.5 m of clear vertical distance higher than all existing and proposed sewers and storm water conveyance systems (ie. ditches)?  
 Yes       No
- (c) Are all existing and proposed sewers, including all drains and similar sources of contamination, separated by at least 15 metres from potable water reservoirs below normal ground surface and well supplies?  
 Yes       No

*If 'No' to any part of Question 4.0, please refer to Procedure F-6-1 for solutions to prevent contamination when separation distances cannot be met*

**6.0 STORM SEWERS**

*For Questions 6.1 to 6.3, please attach an additional sheet if necessary*

6.1 Description of Proposed Storm Sewer(s) (including service area/development)  
Storm Sewers for Proposed Phase 2 Subdivision , outletting into Pond HE-4

6.2 Is this application for approval a part of a larger and/or phased development?

Yes  No

*If 'Yes', please provide full details on any existing developments including all Certificates of Approval that have been approved or application that are currently under review. Clearly indicate in all stamped engineering drawings and reports which developments belong to which phase and whether they are existing, for current development, or for future development.*

\_\_\_\_\_

*(please attach another sheet if necessary)*

6.3 Description of Existing Works (in proximity to proposed works)

\_\_\_\_\_

6.4 For each storm sewer, please provide the following details in the chart below (or equivalent)

STREET	FROM (street/manhole)	TO (street/manhole)	DIAMETER (mm)	ROUGHNESS
See Attached.				

\_\_\_\_\_

6.5 Has the Storm Sewer Hydraulic Design Sheet (or equivalent) been included with this submission? (refer to the Guidance Document in Appendix A)

Yes  No

6.6 Please indicate which land use surface types are included in the drainage area and list the runoff coefficient(s) used for each type

SURFACE TYPE	RECOMMENDED	USED
<input checked="" type="checkbox"/> Asphalt, concrete, roof areas	0.90 - 1.00	0.90
<input type="checkbox"/> Gravel	0.80 - 0.85	
<input type="checkbox"/> Grassed areas, parkland	0.15 - 0.35	
<input type="checkbox"/> Commercial	0.75 - 0.85	
<input type="checkbox"/> Industrial	0.65 - 0.75	
<input checked="" type="checkbox"/> Single family dwelling	0.40 - 0.45	0.50
<input checked="" type="checkbox"/> Semidetached	0.45 - 0.60	0.50
<input checked="" type="checkbox"/> Row housing, Townhousing	0.50 - 0.70	0.75
<input type="checkbox"/> Apartments	0.60 - 0.75	
<input checked="" type="checkbox"/> Institutional	0.40 - 0.75	0.75
<input type="checkbox"/> Other		

*If USED runoff coefficient does not fall within the RECOMMENDED range, please provide rationale below:*

All run-off coefficients as per City of Brampton Standards

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6.7 (a) What is the full flow velocity range for all storm sewers in the proposed works?

0.87 to 4.76 m/s

(b) If the full flow velocity is outside of the range of 0.8 m/s to 6.0 m/s, what measures will be employed to reduce sediment build up and/or erosion in the pipe?

\_\_\_\_\_

\_\_\_\_\_

6.8 (a) What is the municipality's requirement for the minor design storm event?

2 year       5 year       10 year       Other \_\_\_\_\_

(b) What storm event has been used for the design of the proposed works?

2 year       5 year       10 year       Other \_\_\_\_\_

(c) Are there any inlet control devices (ICDs) proposed in the catch basins?

Yes       No

6.9 Please indicate the first destination/location that will be receiving the storm water:

Natural Water Body      Name: \_\_\_\_\_

Has the Conservation Authority granted approval to discharge to this water body?

Yes       No

Storm Water Management (SWM) Facility      Name: Pond HE-4

Certificate of Approval No. (if applicable): \_\_\_\_\_ OR,

Application Reference No. (if submitted): \_\_\_\_\_

Has the Operating Authority (of the SWM facility) granted approval to discharge to this facility?

Yes       No

Municipal Drain

Existing Sewers

STORM SEWER	
$100\text{Year Intensity} = \frac{A}{(Tc+B)^c}$	
<b>Mount Pleasant</b>	A = 51.3
	B = 0
<b>The City of</b>	c = 0.686
<b>NOMINAL PIPE SIZE USED</b>	

STREET	FROM MH	TIME OF CONCENTRATION (min)	ACC. TIME OF CONCENTRATION (min)	PERCENT FULL (%)
Tysonville Circle	100	0.57	10.57	68%
Tysonville Circle	101	0.64	11.21	76%
Tysonville Circle	87	1.13	12.34	98%
Aldersgate Drive	83	1.48	11.48	77%
Aldersgate Drive	84	0.26	11.75	86%
Aldersgate Drive	85	0.64	12.39	61%
Tysonville Circle	88	0.86	13.25	124%
Tysonville Circle	103	0.68	10.68	60%
Tysonville Circle	104	0.63	11.31	63%
Tysonville Circle	105	0.27	11.58	52%
Tysonville Circle	89	1.14	12.73	78%
Tysonville Circle	90	0.68	13.93	75%
Tysonville Circle	91	0.65	11.65	39%
Tysonville Circle	92	1.00	12.65	71%
Tysonville Circle	93	1.09	13.74	51%
Tysonville Circle	94	0.12	13.86	48%
Tysonville Circle	95	0.42	14.35	75%
Rockbrook Trail	78	0.59	10.59	91%
Rockbrook Trail	79	1.33	11.91	118%
Rockbrook Trail	76	0.76	10.76	72%
Rockbrook Trail	77	0.14	16.14	59%
Easement	80	0.31	16.44	43%
EXT1	73	0.10	23.84	70%
EXT2 Tysonville Park Block	62	0.91	15.43	69%
Aldersgate Drive	plug	0.16	23.90	70%
Aldersgate Drive				
Aldersgate Drive				
Aldersgate Drive	74	0.29	24.19	74%
Easement	75	0.41	24.61	65%
Easement	81	0.09	24.70	74%

**Ashwid Development Inc.**

Region File No.: 21T-10013B, City File No.: C04W12.002

City of Brampton, Region of Peel

Attachment to Pipe Data Form Section 6.4

Storm sewers and appurtenances to be constructed to serve Mount Pleasant North Phase 2

**Storm Sewer Pipe Data:**

<u>Street</u>	<u>From MH</u>	<u>To MH</u>	<u>Diameter</u>	<u>Roughness</u>
Tysonville Cricle	100	101	300mm	0.013
Tysonville Cricle	101	87	450mm	0.013
Tysonville Cricle	87	88	525mm	0.013
Tysonville Cricle	88	90	600mm	0.013
Tysonville Cricle	90	95	825mm	0.013
Tysonville Cricle	95	HEADWALL	825mm	0.013
Tysonville Cricle	91	92	375mm	0.013
Tysonville Cricle	92	93	450mm	0.013
Tysonville Cricle	93	94	675mm	0.013
Tysonville Cricle	94	95	675mm	0.013
Tysonville Cricle	103	104	300mm	0.013
Tysonville Cricle	104	105	375mm	0.013
Tysonville Cricle	105	89	375mm	0.013
Tysonville Cricle	89	90	450mm	0.013
Aldersgate Drive	83	84	375mm	0.013
Aldersgate Drive	84	85	375mm	0.013
Aldersgate Drive	85	88	450mm	0.013
Pipeline Easement	62	74	825mm	0.013
Pipeline Easement	PLUG	75	3000x1500 Box	0.013
Pipeline Easement	75	81	1950mm	0.013
Pipeline Easement	81	HEADWALL	1950mm	0.013
Pipeline Easement	81	Fut. 80	1200mm	0.013
Pond HE-4	200	201	300mm	0.013
Pond HE-4	201	HEADWALL	450mm	0.013

**7.0 SANITARY SEWERS**

*For Questions 7.1 to 7.3, please attach an additional sheet if necessary*

7.1 Description of Proposed Sanitary Sewer(s) (including service area/development)  
Sanitary Sewers for Proposed Phase 2 Subdivision, outletting into existing sanitary sewers on Tysonville Circle

7.2 Description of Existing Works (in proximity to proposed works)  
Existing manhole 16A on Tysonville Circle connecting proposed works to existing sewers south of site.

7.3 For each sewer, please provide the following details in the chart below (or equivalent)

STREET	FROM (street/manhole)	TO (street/manhole)	DIAMETER (mm)	ROUGHNESS
<u>Please see Attached</u>				

7.4 Has the Sanitary Sewer Design Sheet (or equivalent) been included with this submission? (refer to Guidance Document in Appendix B)

Yes       No

7.5 Please indicate which sewage types are applicable in the drainage area and list the daily design flows used in the pipe design for each type

SEWAGE TYPE	RECDMMENDED	USED
<input checked="" type="checkbox"/> Domestic	225 - 450 L/cap/day	<u>302.8 L/cap/day</u>
<input type="checkbox"/> Hospitals	900 - 1800 L/bed/day	_____
<input checked="" type="checkbox"/> Schools	70 - 140 L/student/day	<u>302.8 L/student/day</u>
<input type="checkbox"/> Trailer Parks	340 - 800 L/space/day	_____
<input checked="" type="checkbox"/> Infiltration	0.1 - 0.28 L/ha/s	<u>0.2 L/ha/day</u>
<input type="checkbox"/> Industrial	35 - 55 m3/ha/day	_____
<input type="checkbox"/> Shopping Centres	2500 - 5000 L/1000 m2/day	_____
<input type="checkbox"/> Hotels/Motels	150 - 225 L/bed space/day	_____
<input type="checkbox"/> Other	_____	_____

*If USED sewage daily design flow does not fall within the RECOMMENDED range, please provide rationale below:*

As per Region of Peel Standards. Institutional flows are calculated using the same flow rate as domestic flows.

7.6 (a) What is the full flow velocity range for all sanitary sewers in the proposed works?

0.86 to 1.71 m/s

(b) If the full flow velocity is outside of the range of 0.6 m/s to 3.0 m/s, what measures will be employed to reduce sewage build up and/or erosion in the pipe?

\_\_\_\_\_

7.7 It is recommended that sanitary sewers be laid at sufficient depth to receive gravity flow from basements. Are any sanitary sewers above the depth of any basements in the area?

Yes       No

*If 'Yes', what methods will be employed to prevent sewage backup into basements?*

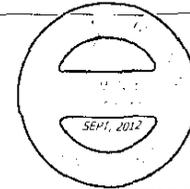
\_\_\_\_\_

**SANITARY SEWER DESIGN SHEET**

**Ashwid Development Inc.  
Mount Pleasant North PH2**

**Region of Peel**

2.8 l/c/d  
100 l/s/ha  
00  
50  
< 1000 ppl = 0.013m<sup>3</sup>/s  
)



**NOMINAL PIPE SIZE USED**

STREET	FROM MH	TO MH	AREA (ha)	ACC. AREA (ha)	UNITS (#)	TOTAL FLOW (l/s)	SLOPE (%)	PIPE DIAMETER (mm)	PIPE DATA			
									FULL FLOW CAPACITY (l/s)	FULL FLOW VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	PERCENT FULL (%)
Tysonville Circle	EXT	66A	27.22	27.22	1.3	0.35	375	103.7	0.94	0.90	49%	
Tysonville Circle	66A	67A	0.07	27.29	1.3	0.35	375	103.7	0.94	0.90	49%	
Tysonville Circle	67A	68A	0.76	28.05	1.9	0.35	375	103.7	0.94	0.93	50%	
Tysonville Circle	68A	69A	0.70	28.75	1.4	0.35	375	103.7	0.94	0.93	50%	
Aldersgate Drive	78A	79A	0.86	0.86	1.2	1.00	250	59.5	1.21	0.96	22%	
Aldersgate Drive	79A	80A	0.24	1.10	1.2	0.50	250	42.0	0.86	0.75	31%	
Aldersgate Drive	80A	69A	0.24	1.34	1.3	1.00	250	59.5	1.21	0.96	22%	
Tysonville Circle	69A	70A	0.30	30.39	1.5	0.35	375	103.7	0.94	0.93	52%	
Tysonville Circle	75A	76A	0.37	0.37	1.1	1.00	250	59.5	1.21	0.96	22%	
Tysonville Circle	76A	77A	0.79	1.16	1.2	1.00	250	59.5	1.21	0.96	22%	
Tysonville Circle	77A	70A	0.38	1.54	1.3	0.50	250	42.0	0.86	0.75	32%	
Tysonville Circle	70A	71A	0.81	32.74	1.3	0.35	375	103.7	0.94	0.93	53%	
Tysonville Circle	71A	72A	0.29	33.03	1.6	0.35	375	103.7	0.94	0.93	54%	
Tysonville Circle	72A	73A	0.12	33.15	1.7	0.35	375	103.7	0.94	0.93	54%	
Tysonville Circle	73A	16A	0.18	33.33	1.9	0.35	375	103.7	0.94	0.93	54%	
Tysonville Circle	74A	16A	0.28	0.28	1.1	1.00	250	59.5	1.21	0.96	22%	
Easement	16A	15A		33.61	1.0	0.95	375	170.9	1.55	1.35	33%	
Refer to Project #10-339 by UrbasTech Consulting for down stream San. Pipe												
Rockbrook Trail	45A	46A	0.32	0.32	1.1	1.00	250	59.5	1.21	0.96	22%	
Rockbrook Trail	46A	47A	0.25	0.57	1.1	0.50	250	42.0	0.86	0.75	31%	
Rockbrook Trail	47A	48A	0.35	0.92	1.2	1.00	250	59.5	1.21	0.96	22%	
Rockbrook Trail	48A	50A	0.36	1.28	1.3	0.50	250	42.0	0.86	0.75	32%	
Soccavo Road	49A	50A	0.17	0.17	1.0	2.00	250	84.1	1.71	1.23	15%	
Soccavo Road	50A	55A	0.25	1.70	1.3	0.50	250	42.0	0.86	0.75	32%	
Aldersgate Drive	54A	55A	0.21	0.21	1.0	1.00	250	59.5	1.21	0.96	22%	
Aldersgate Drive	55A	56A	0.10	2.01	1.4	0.50	250	42.0	0.86	0.75	32%	
Refer to Project # 03-160 by Masongong Associates Engineering Ltd. for downstream												

**Ashwid Development Inc.**

Region File No.: 21T-10013B, City File No.: C04W12.002

City of Brampton, Region of Peel

Attachment to Pipe Data Form Section 7.3

Sanitary sewers and appurtenances to be constructed to serve Mount Pleasant North Phase 2

**Sanitary Sewer Pipe Data:**

<u>Street</u>	<u>From MH</u>	<u>To MH</u>	<u>Diameter</u>	<u>Roughness</u>
Tysonville Circle	66A	67A	375mm	0.013
Tysonville Circle	67A	68A	375mm	0.013
Tysonville Circle	68A	69A	375mm	0.013
Tysonville Circle	69A	70A	375mm	0.013
Tysonville Circle	70A	71A	375mm	0.013
Tysonville Circle	71A	72A	375mm	0.013
Tysonville Circle	72A	73A	375mm	0.013
Tysonville Circle	73A	EX. MH 16A	375mm	0.013
Tysonville Circle	74A	EX. MH 16A	250mm	0.013
Tysonville Circle	75A	76A	200mm	0.013
Tysonville Circle	76A	77A	200mm	0.013
Tysonville Circle	77A	70A	250mm	0.013
Aldersgate Drive	54A	PLUG	250mm	0.013
Aldersgate Drive	78A	79A	250mm	0.013
Aldersgate Drive	79A	80A	250mm	0.013
Aldersgate Drive	80A	69A	250mm	0.013

**PIPE DATA FORM**

**WATERMAIN, STORM SEWER, SANITARY SEWER,  
AND FORCEMAIN DESIGN**

**SUPPLEMENT TO APPLICATION FOR APPROVAL  
FOR WATER AND SEWAGE WORKS**

**General:**

Information requested in this form is collected under the authority of the *Ontario Water Resources Act*, R.S.O. 1990 (OWRA), the *Safe Drinking Water Act* (SDWA), the Drinking-Water Systems Regulation (O. Reg. 170.03) and the *Environmental Bill of Rights*, c. 28, Statutes of Ontario 1993 (EBR). This information will be used to evaluate applications for approval of municipal and private sewage works as required by Section 53 (OWRA) and to evaluate applications for approval of municipal and non-municipal drinking-water systems as required by Sections 31, 36, 38, 52 and 60 of the SDWA.

**Instructions:**

1. This form should accompany all Applications for a Water and Sewage Works. It does not replace the Application form for a Certificate of Approval and is required in addition to the supporting technical information described in the Guide for Applying for Municipal and Private Water and Sewage Works. All designs are expected to be in accordance with MOE design guidelines and the 10 State Standards.
2. The information contained in this form and the required supporting stamped engineering drawings are the minimum information requirements used to process the application for a Certificate of Approval. All sections **MUST** be filled out and incomplete forms will be **RETURNED** to the applicant. If the design does not meet the MOE design guidelines and the 10 State Standards, please explain why and how the issue will be addressed. Additional information may be requested during the review process.
3. Application forms and supporting documentation are available from the Environmental Assessment and Approvals Branch toll free at 1-800-461-6290 (locally at 416-314-8001), from your local District Office of the Ministry of the Environment, and in the "Publications" section of the Ministry of the Environment website at [www.ene.gov.on.ca](http://www.ene.gov.on.ca).
4. Questions regarding completion and submission of this data form should be directed to the Environmental Assessment and Approvals Branch, 2 St. Clair Avenue West, Floor 12A, Toronto, Ontario, M4V 1L5, 1-800-461-6290 or (416) 314-8001, or to your local District Office of the Ministry of the Environment.

**INFORMATION FOR PROPONENTS  
APPLYING FOR A CERTIFICATE OF APPROVAL FOR  
WATER AND SEWAGE WORKS**

Section 53 of the Ontario Water Resources Act R.S.O. 1990 and Part V of the Safe Drinking Water Act require that anyone who establishes, alters, extends or replaces new or existing water or sewage works do so only in accordance with approval granted by the Director. As a result, any plans to change watermains, storm sewers, sanitary sewers, or combined sewers must first be granted a Certificate of Approval (works which are exempt from Certificate of Approval requirements are detailed in Ontario Regulation 525/98). Detailed information on approval requirements and procedures are contained in separate documents entitled "Guide for Applying for Approval of Municipal and Private Water and Sewage Works (Section 53 Ontario Water Resources Act R.S.O. 1990)" and "Guide For Applying For Approvals Related To Municipal And Non-Municipal Drinking-Water-Systems - Parts V and VI of the Safe Drinking Water Act and Drinking-Water Systems Regulation". These documents are available on the Ministry of the Environment's website ([www.ontario.gov.on.ca](http://www.ontario.gov.on.ca)) or can be obtained by contacting a client services representative at (416) 314-8001.

**CRITERIA FOR APPROVAL – WATER AND SEWAGE WORKS**

The anticipated environmental impacts of water and sewage works are land and water contamination, or overflow causing physical damage, or resulting in adverse effects. Generally, these impacts can be minimized by the appropriate design, installation, operating and maintenance of the water and sewage pipes. There are a number of guideline assessment criteria, which will be explained in this data form, and which can be read in greater detail in the following guidelines:

- Guidelines for the design of water distribution systems, Ministry of the Environment, 1985
- Guidelines for the design of sanitary sewage systems, Ministry of the Environment, 1985
- Interim guidelines for the design of storm sewer systems, Ministry of the Environment, 1985
- Procedure for the Determination of Treatment Requirements for Municipal and Private Combined and Partially Separated Sewer Systems (Procedure F-5-5)
- Procedures to govern separation of sewers and watermains (Procedure F-6-1)

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**1.0 GENERAL PROJECT INFORMATION**

- 1.1 Site Name Mount Pleasant Village Phase 4
- 1.2 Municipality City of Brampton
- Client (if different from Municipality) Wattamy Credit River Limited
- 1.3 Type of Works Project (please check all that apply)
- Watermain *Please complete Sections 1.0 to 5.0 of this form*
- Storm Sewer *Please complete Sections 1.0 to 4.0, 6.0 and Appendix A of this form.*
- Sanitary Sewer *Please complete Sections 1.0 to 4.0, 7.0 and Appendix B of this form.*
- Forcemain *Please complete Sections 1.0 to 4.0, 8.0 and Appendix C of this form.*
- 1.4 (a) Project Purpose (please check all that apply)
- Replacement  Increased demand  Connecting existing lines  New development
- Other: \_\_\_\_\_

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**2.0 ENVIRONMENTAL ASSESSMENT ACT REQUIREMENTS**

- 2.1 Is this a private sector project?
- Yes  No *If 'No', please complete 2.2 and 2.3*
- 2.2 (a) Choose applicable Municipal sector Class EA Schedule
- Schedule A  Schedule B  Schedule C
- (b) From the appropriate Schedule identified in 2.2(a), please identify Project Type and associated Schedule/Paragraph No. which applies to the proposed project
- Water Project  Wastewater Project Schedule No. \_\_\_\_\_
- For 'Schedule B' please complete 2.3(a),(b) For 'Schedule C': please complete 2.3(a),(b),(c)*
- 2.3 (a) Has a Notice of Completion been submitted along with this application?
- Yes  No
- (b) Were any Part II Orders (ie. "Bump-up" requests) received for this project?
- Yes  No
- If 'Yes', please provide details:* \_\_\_\_\_
- (c) Has an Environmental Study Report (ESR) been completed?
- Yes  No
- If 'Yes', please include ESR Cover page with this submission*
-

---

### 3.0 DRAWINGS

NOTE: All drawings must include an accurate scale and be stamped by a Professional engineer. If the drawing is of a large scale where small separation distances cannot be easily measured, these distances must be marked on the drawing or noted as a typical separation.

Have the following details been included with this submission?

- Site Plan, including*
- Proposed works
  - Existing works (as appropriate)
  - Property lines/Municipal boundaries
  - Any water bodies in proximity to the works
- Plan and Profile of all Pipes*
- Horizontal distance between watermains and sewers
  - Vertical distance between watermains and sewers
  - Length, diameter and slope of each pipe segment
  - Locations of valves, valve chambers if > 300mm diameter, pressure reducers, tees, etc
  - Location of manholes (and their respective IDs)
- Storm Drainage Area*
- Indicate all areas which drain into the proposed works
  - Physical area in hectares
  - Runoff Coefficient for each drainage area
  - Storm water drainage path
- Sanitary Drainage Area*
- Indicate all areas which drain into the proposed works
  - Physical area in hectares
  - Population for each drainage area
  - Sanitary Sewer drainage path
- Other Details*
- Typical separations, where not easily measured from pipe drawings
  - Appertunances
  - Municipal drains
- 

### 4.0 ADDITIONAL INFORMATION

4.1 Are the proposed works laid below the frost penetration depth for the area at all points?

- Yes       No

4.2 (a) Are all existing and proposed watermains separated by at least 2.5 m of clear horizontal distance from all existing and proposed sewers and storm water conveyance systems (ie. ditches)?

- Yes       No

(b) Are all existing and proposed watermains separated by at least 0.5 m of clear vertical distance higher than all existing and proposed sewers and storm water conveyance systems (ie. ditches)?

- Yes       No

(c) Are all existing and proposed sewers, including all drains and similar sources of contamination, separated by at least 15 metres from potable water reservoirs below normal ground surface and well supplies?

- Yes       No

*If 'No' to any part of Question 4.0, please refer to Procedure F-6-1 for solutions to prevent contamination when separation distances cannot be met*

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**5.0 WATERMAINS**

*For Questions 5.1 to 5.3, please attach an additional sheet if necessary*

5.1 Description of Proposed Watermain(s) (including service area/development)

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5.2 Description of Existing Works (in proximity to proposed works)

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5.3 For each watermain, please provide the following details in the chart below (or equivalent)

STREET	FROM (street/manhole)	TO (street/manhole)	DIAMETER (mm)	ROUGHNESS
--------	-----------------------	---------------------	---------------	-----------

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5.4 Are all of the watermains a minimum of 150 mm in diameter?

Yes  No

5.5 What is the expected operating pressure range for this watermain under maximum day demand?

\_\_\_\_\_ to \_\_\_\_\_ (please indicate units)

5.6 (a) Will the watermain pressure drop below 275 kPa (40 psi)?

Yes  No

*If 'Yes', please provide an explanation for this situation and future plans to address the problem.*

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---

(b) Is there sufficient pressure (138 kPa or 20 psi) reserved for fire flow/protection?

Yes  No

5.7 If this is a feedermain or a pipe dedicated to transporting potable water only (ie. having no service connections), have hydraulic transients been considered?

Yes  No

*If 'Yes', please describe the results.*

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---

5.8 (a) Are there any dead end points in the system?

Yes  No *If 'Yes', then please complete 5.8(b)*

(b) How will water stagnation be addressed?

Fire Hydrants  Blow-off point  Other \_\_\_\_\_

5.9 (a) Are there any tee- or cross-connections?

Yes  No *If 'Yes', then please complete 5.9(b)*

(b) Are there at least two (2) shut-off valves at each tee-connection, and at least three (3) shut-off valves at each cross-connection?

Yes  No

*If 'No', how will disruptions to the system be minimized during repairs or emergencies?*

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**6.0 STORM SEWERS**

*For Questions 6.1 to 6.3, please attach an additional sheet if necessary*

6.1 Description of Proposed Storm Sewer(s) (including service area/development)  
Sewers within an easement in favour of the City of Brampton over a site plan  
development, servicing site plan as well as future plan of subdivision

6.2 Is this application for approval a part of a larger and/or phased development?

Yes  No

*If 'Yes', please provide full details on any existing developments including all Certificates of Approval that have been approved or application that are currently under review. Clearly indicate in all stamped engineering drawings and reports which developments belong to which phase and whether they are existing, for current development, or for future development*

Storm sewers connect to existing Mount Pleasant Village Phase 1  
Existing sewers: C of A # 3291-7VTLNXC  
Existing Pond: C of A # 3980-83KPK7 *(please attach another sheet if necessary)*

6.3 Description of Existing Works (in proximity to proposed works)  
Outlet will be to existing storm sewer on Leivorth Road and Klemcott Road

6.4 For each storm sewer, please provide the following details in the chart below (or equivalent):

STREET	FROM (street/manhole)	TO (street/manhole)	DIAMETER (mm)	ROUGHNESS
See Attached				

6.5 Has the Storm Sewer Hydraulic Design Sheet (or equivalent) been included with this submission? (refer to the Guidance Document in Appendix A)

Yes  No

6.6 Please indicate which land use surface types are included in the drainage area and list the runoff coefficient(s) used for each type

SURFACE TYPE	RECOMMENDED	USED
<input type="checkbox"/> Asphalt, concrete, roof areas	0.90 - 1.00	_____
<input type="checkbox"/> Gravel	0.80 - 0.85	_____
<input type="checkbox"/> Grassed areas, parkland	0.15 - 0.35	_____
<input type="checkbox"/> Commercial	0.75 - 0.85	_____
<input type="checkbox"/> Industrial	0.65 - 0.75	_____
<input type="checkbox"/> Single family dwelling	0.40 - 0.45	_____
<input type="checkbox"/> Semidetached	0.45 - 0.60	_____
<input checked="" type="checkbox"/> Row housing, Townhousing	0.50 - 0.70	0.75
<input checked="" type="checkbox"/> Apartments	0.60 - 0.75	0.75
<input type="checkbox"/> Institutional	0.40 - 0.75	_____
<input type="checkbox"/> Other		_____

*If USED runoff coefficient does not fall within the RECOMMENDED range, please provide rationale below*  
All run-off coefficients as per City of Brampton Standards

- 6.7 (a) What is the full flow velocity range for all storm sewers in the proposed works?  
0.97 to 4.57 m/s
- (b) If the full flow velocity is outside of the range of 0.8 m/s to 6.0 m/s, what measures will be employed to reduce sediment build up and/or erosion in the pipe?  
\_\_\_\_\_  
\_\_\_\_\_

- 6.8 (a) What is the municipality's requirement for the minor design storm event?  
 2 year       5 year       10 year       Other \_\_\_\_\_
- (b) What storm event has been used for the design of the proposed works?  
 2 year       5 year       10 year       Other \_\_\_\_\_
- (c) Are there any inlet control devices (ICDs) proposed in the catch basins?  
 Yes       No

- 6.9 Please indicate the first destination/location that will be receiving the storm water:
- Natural Water Body      Name: \_\_\_\_\_  
Has the Conservation Authority granted approval to discharge to this water body?  
 Yes       No
- Storm Water Management (SWM) Facility      Name: \_\_\_\_\_  
Certificate of Approval No. (if applicable): \_\_\_\_\_ OR  
Application Reference No. (if submitted): \_\_\_\_\_  
Has the Operating Authority (of the SWM facility) granted approval to discharge to this facility?  
 Yes       No
- Municipal Drain
- Existing Sewers
-



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**8.0 FORCEMAINS**

*For Questions 8.1 to 8.3, please attach an additional sheet if necessary*

8.1 Description of Proposed Forcemain(s) (including service area/development)

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8.2 Description of Existing Works (in proximity to proposed works)

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8.3 For each forcemain, please provide the following details in the chart below (or equivalent)

STREET                      FROM (street/manhole)      TO (street/manhole)      DIAMETER (mm)      ROUGHNESS

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8.4 (a) Is there an existing Certificate of Approval for the pumping station associated with this forcemain?

Yes                       No

*If 'Yes', please provide the Certificate of Approval No.:* \_\_\_\_\_

*If 'No', please complete 8.4(b)*

(b) Please provide the pumping station design elements by completing Tables 1, 2, and 3 in Appendix C  
Have Tables 1, 2, and 3 been included with this submission?

Yes                       No

8.5 If this system is **not** a grinder pump system, is the minimum pipe size at least 100 mm to allow for the passage of small solids?

Yes                       No

*If 'No', please indicate below which methods will be employed to prevent a blockage in the pipe*

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8.6 (a) What is the velocity range for all forcemains in the proposed works?

\_\_\_\_\_ to \_\_\_\_\_ m/s

(b) If the velocity falls outside of the range of 0.8 m/s to 2.5 m/s, what measures will be employed to reduce sewage build up and/or erosion in the pipe?

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8.7 Have the effects of hydraulic transient been considered?

Yes                       No

*If 'Yes', please indicate the results below*

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Mattamy (Credit River) Limited

City of Brampton

Attachment to Section 6.1 of the ECA application

Operating authority for Storm Sewer System

City of Brampton  
2 Wellington Street West  
Brampton, Ontario, Canada  
L6Y 4R2

Tel: (905) 874-2000

**Mattamy (Credit River) Limited**

City of Brampton

Attachment per Section 6: Supporting Information of the ECA application:

Detailed Description of the Proposed Works:

Attachment per Section 6.4 of Pipe Data Form: Describe the location of each storm sewer:

**Storm Sewer**

	<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>DIA. (mm)</b>	<b>ROUGHNESS</b>	<b>LENGTH (m)</b>
1.	Klemscott Road	PLUG	MH 21	300	0.013	42.2
		MH 21	MH 22	300	0.013	10.1
		MH 22	PLUG	375	0.013	38.7
2.	Poppythorn Road	DICB	MH F1	250	0.013	18.0
		MH F1	MH F2	450	0.013	55.5
		MH F2	MH F3	450	0.013	7.3
		MH F3	PLUG	450	0.013	36.2
3.	Viewforth Road	DICB	MH F6	250	0.013	15.0
		MH F6	MH F7	300	0.013	46.4
		MH F7	MH F8	300	0.013	18.4
		MH F8	PLUG	300	0.013	13.5

**Mattamy (Credit River) Limited**

City of Brampton

Attachment per Section 6: Supporting Information of the ECA application:

Detailed Description of the Proposed Works:

Attachment per Section 7.3 of Pipe Data Form: Describe the location of each storm sewer:

**Sanitary Sewer**

	<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>DIA. (mm)</b>	<b>ROUGHNESS</b>	<b>LENGTH (m)</b>
1.	Klemscott Road	PLUG	MH 22A	250	0.013	41.5
		MH 22A	MH 23A	250	0.013	8.6
		MH 23A	PLUG	250	0.013	37.9
2.	Poppythorn Road	MH F1A	MH F2A	250	0.013	48.6
		MH F2A	MH F3A	250	0.013	7.0
		MH F3A	PLUG	250	0.013	37.5
3	Viewforth Road	MH F6A	MH F7A	250	0.013	44.4
		MH F7A	MH F8A	250	0.013	15.3
		MH F8A	PLUG	250	0.013	13.6

**STORM SEWER DESIGN SHEET**

10 Year Storm

**Mount Pleasant Village Phases 1-2, and 4**

The City of Brampton

**PROJECT DETAILS**

Project No: 06-224 Ph4  
 Date: 18-Oct-12  
 Designed by: H.T.  
 Checked by: J.O.

Min. Diameter = 300 mm  
 Mannings 'n' = 0.013  
 Starting Tc = 10 min  
 Factor of Safety = 10 %  
 No surcharge in 10 year storm  
 Shading indicates 100-year pipe

STREET	FROM MH	TO MH	AREA (ha)	RUNOFF COEFFICIENT "R"	'AR'	ACCUM. 'AR'	RAINFALL INTENSITY (mm/hr)	FLOW (m <sup>3</sup> /s)	CONSTANT FLOW (m <sup>3</sup> /s)	ACCUM. CONSTANT FLOW (m <sup>3</sup> /s)	TOTAL FLOW (m <sup>3</sup> /s)	LENGTH (m)	SLOPE (%)	PIPE DIAM (mm)
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Fairhill Avenue	CBMH 1	57	0.17	0.85	0.14	0.14	121.9	0.049			0.049	19.6	0.50	300
James Potter Road	57	58	0.41	0.85	0.35	0.49	119.2	0.163			0.163	100.0	1.00	450
James Potter Road	58	60	0.35	0.85	0.30	0.79	112.2	0.246			0.246	80.0	1.70	450
James Potter Road	60	61	0.34	0.85	0.29	1.08	108.4	0.325			0.325	81.2	1.00	525
James Potter Road	61	62	0.46	0.85	0.39	1.47	104.3	0.426	0.184	0.184	0.610	52.5	1.00	675
Bleasdale Avenue	62	63	0.34	0.75	0.26	1.73	102.2	0.490		0.184	0.674	88.1	1.00	675
Block 148 (Parking)	Fut	64	0.73	0.75	0.55	0.55	121.9	0.185			0.185	37.8	1.25	450

Saunter Court	66	67	0.40	0.65	0.26	0.26	121.9	0.088			0.088	46.9	1.00	375
Saunter Court	67	65	0.06	0.65	0.04	0.30	117.9	0.098			0.098	18.7	0.50	375
Donomore Drive	64	65	0.63	0.50	0.32	0.86	119.3	0.286			0.286	85.3	1.25	450
Donomore Drive	65	68	0.17	0.50	0.09	1.25	113.9	0.395			0.395	18.4	1.25	525
Donomore Drive	68	69	0.32	0.75	0.24	1.49	113.0	0.466			0.466	58.6	1.25	600
Donomore Drive	69	70	0.38	0.65	0.25	1.73	110.2	0.531			0.531	54.5	0.80	675
Donomore Drive	70	63	0.48	0.65	0.31	2.05	107.4	0.610			0.610	70.0	0.40	750
Bleasdale Avenue	63	71	0.16	0.75	0.12	3.89	98.9	1.069		0.184	1.253	70.6	0.50	975

Haverly Trail	72	73	0.29	0.50	0.15	0.15	121.9	0.049			0.049	42.5	1.00	300
Haverly Trail	73	74	0.13	0.50	0.07	0.21	117.7	0.069			0.069	8.3	0.90	300
Haverly Trail Park	74	74	0.19	0.25	0.05	0.05	121.9	0.016			0.016			300
Haverly Trail	74	75	0.46	0.50	0.23	0.49	116.9	0.158			0.158	92.2	0.90	375
Haverly Trail	75	71	0.17	0.50	0.09	0.57	109.7	0.174			0.174	26.2	0.50	450
Bleasdale Avenue	71	4	0.30	0.50	0.15	4.61	96.2	1.232	0.307	0.491	1.724	73.0	0.50	975
Future Cul-de-Sac	FUT 97	FUT 98	0.44	0.50	0.22	0.22	121.9	0.075			0.075	67.7	1.00	300
Creditview Road	FUT 98	1	0.18	0.90	0.16	0.38	115.4	0.122			0.122	83.8	0.50	450

**STORM SEWER DESIGN SHEET**

10 Year Storm

**Mount Pleasant Village Phases 1-2, and 4**

The City of Brampton

**PROJECT DETAILS**

Project No: 06-224 Ph4  
 Date: 18-Oct-12  
 Designed by: H.T.  
 Checked by: J.O.

Min. Diameter = 300 mm  
 Mannings 'n' = 0.013  
 Starting Tc = 10 min  
 Factor of Safety = 10 %  
 No surcharge in 10 year storm  
 Shading indicates 100-year pipe

STREET	FROM MH	TO MH	AREA (ha)	RUNOFF COEFFICIENT "R"	'AR'	ACCUM. 'AR'	RAINFALL INTENSITY (mm/hr)	FLOW (m <sup>3</sup> /s)	CONSTANT FLOW (m <sup>3</sup> /s)	ACCUM. CONSTANT FLOW (m <sup>3</sup> /s)	TOTAL FLOW (m <sup>3</sup> /s)	LENGTH (m)	SLOPE (%)	PIP. DIAM. (mm)
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Bevington Road	1	2	0.66	0.65	0.43	0.81	107.9	0.243		0.491	0.243	101.4	0.55	525
Bevington Road	2	3	0.27	0.65	0.18	0.99	101.2	0.277		0.491	0.277	34.0	0.55	525
Bevington Road	3	4	0.65	0.65	0.42	1.41	99.2	0.388		0.491	0.388	102.9	0.70	600
Bleasdale Avenue	4	5	0.20	0.90	0.18	6.20	93.5	1.612		0.491	2.103	66.5	0.50	1200
Lathbury Street	6	7	0.61	0.65	0.40	0.40	121.9	0.134		0.491	0.134	62.8	1.00	375
Lathbury Street	7	8	0.30	0.65	0.20	0.59	116.6	0.192		0.491	0.192	38.3	0.60	450
Lathbury Street	8	5	0.56	0.65	0.36	0.96	113.3	0.301		0.491	0.301	100.4	0.50	600
Bleasdale Avenue	5	9	0.34	0.50	0.17	7.33	91.6	1.864		0.491	2.355	71.3	0.50	1200
Dulverton Drive	10	11	0.31	0.50	0.16	0.16	121.9	0.052		0.491	0.052	53.1	1.00	300
Dulverton Drive	11	12	0.19	0.50	0.10	0.25	116.7	0.081		0.491	0.081	24.2	1.00	300
Dulverton Drive	12	9	0.54	0.50	0.27	0.52	114.5	0.165		0.491	0.165	97.0	1.40	375
Bleasdale Avenue	9	13	0.23	0.50	0.12	7.96	89.6	1.981		0.491	2.472	70.5	0.50	1200
Clenston Road	14	15	0.40	0.50	0.20	0.20	121.9	0.068		0.491	0.068	50.4	1.00	300
Clenston Road	15	13	0.56	0.50	0.28	0.48	117.0	0.156		0.491	0.156	97.8	0.95	450
Bleasdale Avenue	13	16	0.25	0.50	0.13	8.57	87.7	2.087		0.491	2.578	71.6	0.50	1350
Klemscott Road N	17	18	0.46	0.50	0.23	0.23	121.9	0.078		0.491	0.078	85.7	1.00	300
Stead Road	18	16	0.42	0.50	0.21	0.44	113.8	0.139		0.491	0.139	91.8	1.15	375
Bleasdale Avenue	16	20	0.30	0.50	0.15	9.16	86.0	2.188	0.511	0.491	3.191	68.7	1.50	1350
<b>Klemscott Road</b>	18-S	21	0.18	0.50	0.09	0.09	121.9	0.030		0.491	0.030	63.8	1.00	300
<b>Klemscott Road</b>	21	22	0.05	0.50	0.03	0.12	115.8	0.037		0.491	0.037	10.1	1.00	300
<b>Klemscott Road</b>	22	23	0.32	0.50	0.16	0.28	114.8	0.088		0.491	0.088	56.3	1.00	375

**STORM SEWER DESIGN SHEET**

10 Year Storm

**Mount Pleasant Village Phases 1-2, and 4**

The City of Brampton

**PROJECT DETAILS**

Project No: 06-224 Ph4  
 Date: 18-Oct-12  
 Designed by: H.T.  
 Checked by: J.O.

Min. Diameter = 300 mm  
 Mannings 'n' = 0.013  
 Starting Tc = 10 min  
 Factor of Safety = 10 %  
 No surcharge in 10 year storm  
 Shading indicates 100-year pipe

STREET	FROM MH	TO MH	AREA (ha)	RUNOFF COEFFICIENT "R"	'AR'	ACCUM. 'AR'	RAINFALL INTENSITY (mm/hr)	FLOW (m3/s)	CONSTANT FLOW (m3/s)	ACCUM. CONSTANT FLOW (m3/s)	TOTAL FLOW (m3/s)	LENGTH (m)	SLOPE (%)	PIPE DIAM (mm)
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<b>Klemcott Road</b>	23	20	0.05	0.50	0.03	0.30	110.7	0.092		1.003	0.092	28.8	1.00	375
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Bleasdale Avenue	20	24	0.48	0.50	0.24	9.70	85.1	2.293		1.003	3.296	88.2	1.50	135
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<b>Poppyhorn Road</b>	F1	F2	0.87	0.65	0.57	0.57	121.9	0.192		0.069	0.192	55.5	1.25	450
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<b>Poppyhorn Road</b>	F2	F3	0.13	0.50	0.07	0.63	118.2	0.207		0.069	0.207	7.3	1.25	450
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<b>Poppyhorn Road</b>	F3	F4	0.23	0.75	0.17	0.80	117.7	0.263		0.069	0.263	43.0	1.25	450
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<b>Poppyhorn Road</b>	F4	F5	0.01	0.90	0.01	0.81	115.0	0.259		0.069	0.259	11.4	1.25	450
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<b>Viewforth Road</b>	F6	F7	0.27	0.75	0.20	0.20	121.9	0.069		0.069	0.069	46.4	1.00	300
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<b>Viewforth Road</b>	F7	F8	0.10	0.75	0.08	0.28	117.4	0.090		0.069	0.090	18.4	2.00	300
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<b>Viewforth Road</b>	F8	F5	0.06	0.75	0.05	0.32	116.2	0.104		0.069	0.104	20.6	2.00	300
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<b>Viewforth Road</b>	F5	24	0.26	0.75	0.20	1.33	114.3	0.422		0.069	0.422	73.7	1.00	525
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Sidford Road	47	47B	0.23	0.75	0.17	0.17	121.9	0.058		0.069	0.058	24.7	1.00	300
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Sidford Road School	47B	48	0.75	0.75	0.17	0.17	119.4	0.057		0.069	0.057	30.5	1.00	300
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Sidford Road	CTRL-1	48	0.79	0.75	0.59	0.59	121.9	0.201		0.069	0.201	13.5	0.50	525
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Sidford Road	48	49	0.04	0.90	0.04	0.80	116.5	0.259		0.069	0.259	13.1	0.50	525
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Sidford Road	49	50	0.17	0.75	0.13	0.93	115.4	0.298		0.069	0.298	58.2	0.50	600
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Sidford Road	50B	50	0.19	0.75	0.14	0.14	121.9	0.048		0.069	0.048	43.9	1.00	300
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Library	LIBRARY	CTRL-3	0.36	0.75	0.27	0.27	121.9	0.091		0.069	0.091	17.5	0.50	375
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Civic Square	CTRL-3	50	0.74	0.50	0.37	0.64	121.3	0.216		0.069	0.216	17.5	0.50	525
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Portdown Road	50	51	0.39	0.75	0.29	2.00	110.9	0.617		0.069	0.617	82.4	1.00	675
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Portdown Road	51	24	0.22	0.75	0.17	2.17	107.1	0.645		0.069	0.645	43.4	1.00	675
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Trackside Lane	52	24	0.24	0.75	0.18	0.18	121.9	0.061		0.069	0.061	50.5	0.50	300
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Bleasdale Avenue	24	25	0.22	0.75	0.17	13.54	84.0	3.160		0.069	3.160	75.1	0.80	135
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<b>External Church</b>	CTRL-5	27	0.27	0.75	0.20	0.20	121.9	0.069		0.069	0.069	16.0	0.50	375
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<b>Commuter Drive</b>	27	28	0.29	0.75	0.22	0.42	120.0	0.140		0.069	0.140	72.3	1.00	375
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OUTPUT DATA:

## STORM SEWER DESIGN SHEET

### 10 Year Storm

### Mount Pleasant Village Phases 1-2, and 4

The City of Brampton

**PROJECT DETAILS**

Project No: 06-2224 Ph4  
 Date: 18-Oct-12  
 Designed by: H.T.  
 Checked by: J.O.

Min. Diameter = 300 mm  
 Mannings 'n' = 0.013  
 Starting Tc = 10 min  
 Factor of Safety = 10 %

No surcharge in 10 year storm  
 Shading indicates 100-year pipe

STREET	FROM MH	TO MH	AREA (ha)	RUNOFF COEFFICIENT 'R'	'AR'	ACCUM. 'AR'	RAINFALL INTENSITY (mm/hr)	FLOW (m3/s)	CONSTANT FLOW (m3/s)	ACCUM. CONSTANT FLOW (m3/s)	TOTAL FLOW (m3/s)	LENGTH (m)	SLOPE (%)	P/P DIAM (mm)
<b>Commuter Drive</b>	28	26	0.52	0.75	0.39	0.81	114.1	0.257			0.257	87.5	0.50	525
James Potter Road	76	77	0.75	0.85	0.64	0.64	121.9	0.216			0.216	100.0	0.80	450
James Potter Road	77	79	0.39	0.85	0.33	0.97	113.8	0.306			0.306	89.4	0.80	525
James Potter Road	79	80	0.60	0.85	0.51	1.48	108.2	0.444			0.444	99.4	1.50	525
James Potter Road	80	81	0.14	0.85	0.12	1.60	104.1	0.462	0.201	0.201	0.663	47.7	1.50	600
Ganton Heights	81	82	0.35	0.75	0.26	1.86	102.4	0.529	0.503	0.704	1.233	90.0	1.00	825
Park	PARK3	83	0.18	0.25	0.05	0.05	121.9	0.015			0.015			300
Stemford Road	83	84	0.36	0.65	0.23	0.28	121.2	0.094			0.094	37.5	1.50	300
Stemford Road	84	82	0.43	0.65	0.28	0.56	118.2	0.183			0.183	51.7	1.50	375
Ganton Height	82	85	0.28	0.75	0.21	2.63	99.4	0.726		0.704	1.430	70.7	0.40	975
Donomore Drive	90	91	0.80	0.65	0.52	0.52	121.9	0.176			0.176	100.0	1.30	375
Donomore Drive	91	89	0.09	0.75	0.07	0.59	114.7	0.187			0.187	13.1	1.50	375
Betterton Crescent(east)	89	87	0.33	0.75	0.25	0.84	113.9	0.264			0.264	68.9	0.75	525
Haverly Trail	86	87	0.95	0.50	0.48	0.48	121.9	0.161			0.161	102.0	1.00	375
Haverly Trail	87	92	0.26	0.65	0.17	1.48	109.3	0.449			0.449	35.2	0.70	600
Haverly Trail	92	93	0.07	0.50	0.04	1.51	107.3	0.451			0.451	30.9	0.70	600
Betterton Crescent(west)	94	95	0.79	0.75	0.59	0.59	121.9	0.201			0.201	95.9	0.70	450
Betterton Crescent(west)	95	93	0.05	0.75	0.04	0.63	113.6	0.199			0.199	24.2	0.70	450
Haverly Trail	93	96	0.16	0.50	0.08	2.22	105.6	0.652			0.652	24.9	0.70	675
Haverly Trail	96	85	0.43	0.50	0.22	2.44	104.3	0.707			0.707	72.9	1.00	675
Ganton Heights	85	33	0.30	0.75	0.23	5.29	96.3	1.416		0.704	2.120	73.0	0.40	120
Bevington Road	29	30	0.46	0.65	0.30	0.30	121.9	0.101			0.101	87.4	1.00	375

**STORM SEWER DESIGN SHEET**

10 Year Storm

**Mount Pleasant Village Phases 1-2, and 4**

The City of Brampton

**PROJECT DETAILS**

Project No: 06-224 Ph 4

Date: 18-Oct-12

Designed by: H.T.

Checked by: J.O.

Min. Diameter = 300 mm  
Mannings 'n' = 0.013

Starting Tc = 10 min

Factor of Safety = 10 %

No surcharge in 10 year storm  
Shading indicates 100-year pipe

STREET	FROM MH	TO MH	AREA (ha)	RUNOFF COEFFICIENT "R"	'AR'	ACCUM. 'AR'	RAINFALL INTENSITY (mm/hr)	FLOW (m3/s)	CONSTANT FLOW (m3/s)	ACCUM. CONSTANT FLOW (m3/s)	TOTAL FLOW (m3/s)	LENGTH (m)	SLOPE (%)	P/P DIAM (mm)
Bevington Road	30	31	0.10	0.65	0.07	0.36	114.7	0.116			0.116	21.0	0.80	375
Bevington Road	31	32	0.09	0.65	0.06	0.42	112.9	0.133			0.133	20.4	0.80	375
Bevington Road	32	33	0.23	0.65	0.15	0.57	111.3	0.177			0.177	75.9	0.80	450
Ganton Heights	33	34	0.23	0.75	0.17	6.04	93.8	1.572		0.704	2.276	66.5	0.40	135
Lathbury Street	35	36	0.44	0.65	0.29	0.29	121.9	0.097			0.097	73.4	1.00	375
Lathbury Street	36	37	0.30	0.65	0.20	0.48	115.8	0.155			0.155	29.4	1.00	375
Lathbury Street	37	38	0.22	0.65	0.14	0.62	113.5	0.197			0.197	23.1	1.45	450
Lathbury Street	38	34	0.36	0.75	0.27	0.89	112.3	0.279			0.279	45.4	1.45	450
Ganton Heights	34	39	0.27	0.75	0.20	7.13	91.7	1.817	0.248	0.952	2.769	70.0	0.40	135
Commuter Drive	40	42	0.42	0.50	0.21	0.21	121.9	0.071			0.071	44.2	1.00	300
Commuter Drive	42	39	0.13	0.50	0.07	0.28	117.6	0.090			0.090	54.8	0.85	375
School	CTRL-4	39	0.71	0.75	0.53	0.53	121.9	0.180			0.180	13.8	0.50	450
Commuter Drive	39	44	0.26	0.75	0.20	8.14	89.7	2.027		0.952	2.978	85.2	0.35	150
Commuter Drive	44	45	0.29	0.75	0.22	8.35	87.3	2.027		0.952	2.979	90.2	0.35	150
Ph 3	CTRL-6	45	2.50	0.75	1.88	1.88	103.3	0.538	0.237	0.237	0.775	11.3	0.50	825
Commuter Drive	45	46	0.32	0.90	0.29	10.52	85.0	2.484		1.189	3.673	98.6	0.35	150
Commuter Drive	46	25	0.51	0.90	0.46	10.98	82.7	2.521	0.696	1.885	4.406	132.0	0.35	150
<b>Commuter Drive</b>	25	26	0.20	0.75	0.15	24.67	79.8	5.465		2.888	8.352	27.3	0.50	180
CN Crossing	26	54		0.90		25.48	79.3	5.614		2.888	8.502	50.0	0.70	180
GO Parking Lot	54	55		0.90		25.48	78.7	5.568		2.888	8.456	60.5	0.70	180
GO Parking Lot	GO PKNG	56	1.46	0.90	1.31	1.31	121.9	0.445			0.445	5.0	0.50	675
GO Parking Lot (Mattamy)	55	56	1.06	0.75	0.80	26.27	77.9	5.686		2.888	8.574	54.6	0.70	180
GO Parking Lot	56	BULKHEAD		0.75		27.59	77.2	5.918	0.448	3.336	9.254	8.1	0.30	1500x2400
GO Parking Lot	56	BULKHEAD		0.75		27.59	77.2	5.918	0.448	3.336	9.254	8.1	0.30	1500x2400

**SANITARY SEWER DESIGN SHEET**

**Mount Pleasant Village Phases 1-2, and 4**

Region of Peel

**PROJECT DETAILS**

Project No: 06-224; Phase 4  
 Date: 18-Oct-12  
 Designed by: H.T.  
 Checked by: J.O.

000214

Min. Flow = 13 l/s  
 Min Diameter = 250 mm  
 Mannings n = 0.013  
 Min. Velocity = 0.75 m/s  
 Max. Velocity = 3.50 m/s  
 Factor of Safety = 15 %

**RESIDENTIAL**

**COMMERCIAL/INDUSTRIAL/INSTITUTIONAL**

**FLOW CAPACITY**

STREET	FROM		TO		ACC. AREA (ha)	UNITS (#)	DENSITY (p/ha)	DENSITY (p/unit)	POP	ACQUM. RES. POP.	ACC. AREA (ha)	EQUIV. POP. (p/ha)	FLOW RATE (l/s/ha)	EQUIV. POP.	ACQUM. EQUIV. POP.	INFILTRATION (l/s)	TOTAL ACQUM. POP.	PEAKING FACTOR	RES. FLOW (l/s)
	MH	MH	AREA (ha)	AREA (ha)															
Ashen Tree Lane	52A	53A	0.21	0.21	0.46				28	28						0.0	28	4.00	0.4
	53A	54A	0.25	0.46					31	59						0.1	59	4.00	0.8
Signature Lane	55A	54A	0.29	0.29					37	37						0.1	37	4.00	0.5
Bleasdale Avenue	54A	56A	0.40	1.15					37	133						0.2	133	4.00	1.9
Saurter Court	59A	60A	0.52	0.52					46	46						0.1	46	4.00	0.6
	60A	58A	0.09	0.61					6	52						0.1	52	4.00	0.7
Block 26 (Future Church)	Fut	57A	0.68	0.68					48	48						0.1	48	4.00	0.7
Donomore Drive	57A	58A	0.45	1.13					41	89						0.2	89	4.00	1.2
	58A	61A	0.05	1.79					3	144						0.4	144	4.00	2.0
	61A	62A	0.24	2.03					22	166						0.4	166	4.00	2.3
	62A	56A	0.67	2.70					67	233						0.5	233	4.00	3.3
Bleasdale Avenue	56A	64A	0.17	4.02						366						0.8	366	4.00	5.1
Haverly Trail	65A	66A	0.28	0.28					21	21						0.1	21	4.00	0.3
	66A	66A	0.19	0.19												0.0			
Haverly Trail	66A	67A	0.05	0.52					3	24						0.1	24	4.00	0.3
	67A	64A	0.70	1.22					59	83						0.2	83	4.00	1.2
Bleasdale Avenue	64A	4A	0.35	5.59					24	473						1.1	473	3.99	6.6
External	Fut 87A	Fut 88A	0.86	0.86					55	55						0.2	55	4.00	0.8
External	Fut 88A	1A	0.30	0.30					55	55						0.1	55	4.00	0.8
Bevington Road	1A	2A	0.61	0.91					65	120						0.2	120	4.00	1.7
	2A	3A	0.25	1.16					30	150						0.2	150	4.00	2.1
	3A	4A	0.61	1.77					72	222						0.4	222	4.00	3.1
Bleasdale Avenue	4A	5A	0.12	7.48						695						1.5	695	3.90	9.5
Lathbury Street	6A	7A	0.46	0.46					52	52						0.1	52	4.00	0.7
	7A	8A	0.21	0.67					26	78						0.1	78	4.00	1.1
	8A	5A	0.62	1.29					71	149						0.3	149	4.00	2.1
Bleasdale Avenue	5A	9A	0.31	9.08					25	869						1.8	869	3.84	11.7
Dulverton Drive	10A	11A	0.38	0.38					35	35						0.1	35	4.00	0.5
	11A	12A	0.11	0.49					11	46						0.1	46	4.00	0.6
	12A	9A	0.62	1.11					55	101						0.2	101	4.00	1.4
Bleasdale Avenue	9A	13A	0.21	10.40					11	981						2.1	981	3.81	13.1
Clenston Road	14A	15A	0.23	0.23					18	18						0.0	18	4.00	0.3
	15A	13A	0.52	0.75					42	60						0.2	60	4.00	0.8
Bleasdale Avenue	13A	16A	0.13	11.28					7	1048						2.3	1048	3.79	13.9
	16A	17A	0.12	11.40					7	1055						2.3	1055	3.78	14.0
Klemcott Road	18A	19A	0.66	0.66					62	62						0.1	62	4.00	0.9

**SANITARY SEWER DESIGN SHEET**

**Mount Pleasant Village Phases 1-2, and 4**

Region of Peel

**PROJECT DETAILS**

Project No: 06-224: Phase 4  
 Date: 18-Oct-12  
 Designed by: H.T.  
 Checked by: J.O.

Min. Flow = 13 l/s

Min Diameter = 250 mm

Manning's n = 0.013

Min. Velocity = 0.75 m/s

Max. Velocity = 3.50 m/s

Factor of Safety = 15 %

000215

STREET	RESIDENTIAL										COMMERCIAL/INDUSTRIAL/INSTITUTIONAL					FLOW (L/DI/A)			
	FROM MH	TO MH	AREA (ha)	ACC. AREA (ha)	UNITS (#)	DENSITY (p/ha)	DENSITY (p/unit)	POP	ACQUM. RES. POP.	AREA (ha)	ACC. AREA (ha)	EQUIV. POP. (p/ha)	FLOW RATE (l/s/ha)	EQUIV. POP.	ACQUM. EQUIV. POP.	INFILTRATION (l/s)	TOTAL ACQUM. POP.	PEAKING FACTOR	RES. FLDW (l/s)
Stead Street	19A	17A	0.40	1.06				28	90							0.2	90	4.00	1.3
	17A	20A	0.08	12.54				4	1149							2.5	1149	3.76	15.1
	20A	21A	0.12	12.66				7	1156							2.5	1156	3.76	15.2
Klamiscott Road	19A	22A	0.28	0.94				20	82							0.2	82	4.00	1.1
	22A	23A	0.11	1.05				7	89							0.2	89	4.00	1.2
	23A	24A	0.37	1.42				35	124							0.3	124	4.00	1.7
	24A	21A	0.09	1.51				4	178							0.3	128	4.00	1.8
Bleasdale Avenue	21A	25A	0.26	14.43				21	1305							2.9	1305	3.72	17.0
	25A	26A	0.24	14.67				18	1323							2.9	1323	3.72	17.2
	F2A	F2A	0.43	0.43				46	46							0.1	46	4.00	0.6
Poppythorn Road	F2A	F3A	0.05	0.48				4	50							0.1	50	4.00	0.7
	F3A	F4A	0.19	0.67				14	64							0.1	64	4.00	0.9
	F4A	F5A	0.01	0.68					64							0.1	64	4.00	0.9
	F6A	F7A	0.21	0.21				25	25							0.0	25	4.00	0.4
Viewforth Road	CTRL MH 4A	F7A	0.27	0.27				19	19							0.1	19	4.00	0.3
	F7A	F8A	0.14	0.62				16	60							0.1	60	4.00	0.8
	F8A	F5A	0.05	0.67				7	67							0.1	67	4.00	0.9
Siderford Road	F5A	26A	0.30	1.65				25	156							0.3	156	4.00	2.2
	45A	45AA	0.32	0.32				16	16							0.1	16	4.00	0.2
	45AA	46A	0.32	0.32				16	16							0.1	16	4.00	0.2
School Library	46A	47A	0.02	0.34					16							0.1	16	4.00	0.2
	CTRL MH2A	47A	1.54	1.54				47	47							0.3	47	4.00	0.7
Siderford Road	CTRL MH2A	47A	0.48	0.48				34	34							0.1	34	4.00	0.5
	47A	48A	0.23	2.59				22	119							0.5	119	4.00	1.7
Siderford Road	48AA	48A	0.22	0.22				13	13							0.0	13	4.00	0.2
	CTRL MH3A	48A	0.73	0.73				52	52							0.1	52	4.00	0.7
Portsdown Road	48A	49A	0.45	3.99				22	206							0.8	206	4.00	2.9
	49A	26A	3.99	3.99				206	206							0.8	206	4.00	2.9
	26A	27A	0.33	20.64				37	1722							4.1	1722	3.64	21.9
Lantern Light Lane	68A	69A	0.29	0.29				31	31							0.1	31	4.00	0.4
	69A	70A	0.29	0.29				31	31							0.1	31	4.00	0.4
Ganton Height	70A	71A	0.28	0.57				22	53							0.1	53	4.00	0.7
	72A	73A	0.13	0.13				15	15							0.0	15	4.00	0.2
Stenford Road	73A	71A	0.31	0.44				26	41							0.1	41	4.00	0.6

**SANITARY SEWER DESIGN SHEET**

**Mount Pleasant Village Phases 1-2, and 4**

Region of Peel

**PROJECT DETAILS**

Project No: 06-224: Phase 4  
 Date: 18-Oct-12  
 Designed by: H.T.  
 Checked by: J.O.

Min. Flow = 13 l/s  
 Min Diameter = 250 mm  
 Manning's n = 0.013  
 Min. Velocity = 0.75 m/s  
 Max. Velocity = 3.50 m/s  
 Factor of Safety = 15 %

000216

STREET	FROM MH	TO MH	AREA (ha)	ACC. AREA (ha)	UNITS (#)	DENSITY (p/ha)	DENSITY (p/unit)	POP	ACQUM. RES. POP.	AREA (ha)	COMMERCIAL/INDUSTRIAL/INSTITUTIONAL				INFILTRATION (l/s)	TOTAL ACQUM. POP.	PEAKING FACTOR	RES. FLOW (l/s)
											ACC. AREA (ha)	EQUIV. POP. (p/ha)	FLOW RATE (l/s/ha)	EQUIV. POP.				
<b>RESIDENTIAL</b>																		
Ganton Height	71A	74A	0.18	1.19				94							0.2	94	4.00	1.3
Betterton Crescent (East)	77A	78A	0.36	0.36				40	40						0.1	40	4.00	0.6
Donmore Drive	79A	80A	0.65	0.65				62	62						0.1	62	4.00	0.9
Donmore Drive	80A	78A	0.01	0.66				62	62						0.1	62	4.00	0.9
Betterton Crescent (East)	78A	76A	0.40	1.42				52	154						0.3	154	4.00	2.2
Haverly Trail	75A	76A	0.60	0.60				55	55						0.1	55	4.00	0.8
Haverly Trail	76A	81A	0.18	2.20				14	223						0.4	223	4.00	3.1
Haverly Trail	81A	82A	0.10	2.30				7	230						0.5	230	4.00	3.2
Betterton Crescent (West)	83A	84A	0.19	0.19				22	22						0.0	22	4.00	0.3
Betterton Crescent (West)	84A	85A	0.03	0.22				22	22						0.0	22	4.00	0.3
Betterton Crescent (West) Park	85A	85A	0.18	0.18				68	90						0.0	90	4.00	1.3
Betterton Crescent (West)	85A	82A	0.63	1.03				68	90						0.2	90	4.00	1.3
Haverly Trail	82A	87A	0.09	3.42				7	327						0.7	327	4.00	4.6
Haverly Trail	87A	74A	0.34	3.76				28	355						0.8	355	4.00	5.0
Ganton Height	74A	32A	0.31	5.26				22	471						1.1	471	3.99	6.6
Beyvington Road	28A	29A	0.74	0.74				81	81						0.1	81	4.00	1.1
Beyvington Road	29A	30A	0.13	0.87				17	98						0.2	98	4.00	1.4
Beyvington Road	30A	31A	0.17	1.04				18	116						0.2	116	4.00	1.6
Beyvington Road	31A	32A	0.35	1.39				39	155						0.3	155	4.00	2.2
West Street	32A	33A	0.20	6.85				10	636						1.4	636	3.92	8.7
Lathbury Street	34A	35A	0.50	0.50				62	62						0.1	62	4.00	0.9
Lathbury Street	35A	36A	0.20	0.70				20	82						0.1	82	4.00	1.1
Lathbury Street	36A	37A	0.24	0.94				26	108						0.2	108	4.00	1.5
Lathbury Street	37A	33A	0.13	1.07				13	121						0.2	121	4.00	1.7
West Street	33A	38A	0.33	8.25				30	787						1.7	787	3.86	10.7
Commuter Drive	39A	40A	0.33	0.33				21	21						0.1	21	4.00	0.3
Commuter Drive	40A	38A	0.17	0.50				4	25						0.1	25	4.00	0.4
Commuter Drive	38A	42A	0.27	9.02				14	826						1.8	826	3.85	11.2
Commuter Drive	42A	43A	0.36	9.38				18	844						1.9	844	3.85	11.4
<b>MPV Phase 3</b>																		
			CTRL MH5A	43A	2.27	2.27		509	509						0.5	509	3.97	7.1
<b>Commuter Drive</b>																		
			43A	44A	0.27	11.92			1353						2.4	1353	3.71	17.6
<b>External</b>																		
			44A	27A	0.55	12.47		22	1375						2.5	1375	3.71	17.9
<b>Creditview Road</b>																		
			27A	50A	0.41	33.52		25	3122						6.7	3122	3.43	37.5
<b>External</b>																		
			50A	51A	0.15	33.67		10	3132						6.7	3132	3.43	37.6
<b>External</b>																		
			51A	51A	0.98	0.98		25	25						0.2	25	4.00	0.4
<b>Creditview Road</b>																		
			51A	ZABO	0.28	34.93		10	3167						7.0	3167	3.42	38.0
<b>ZABO</b>																		
			ZABO	LABO		34.93			3167						7.0	3167	3.42	38.0

**SANITARY SEWER DESIGN SHEET**

**Mount Pleasant Village Phases 1-2, and 4**

Region of Peel

**PROJECT DETAILS**

Project No: 06-224: Phase 4  
 Date: 18-Oct-12  
 Designed by: H.T.  
 Checked by: J.O.

Min. Flow = 13 l/s  
 Min Diameter = 250 mm  
 Mannings n<sup>1</sup> = 0.013  
 Min. Velocity = 0.75 m/s  
 Max. Velocity = 3.50 m/s

Factor of Safety = 15 %

000217

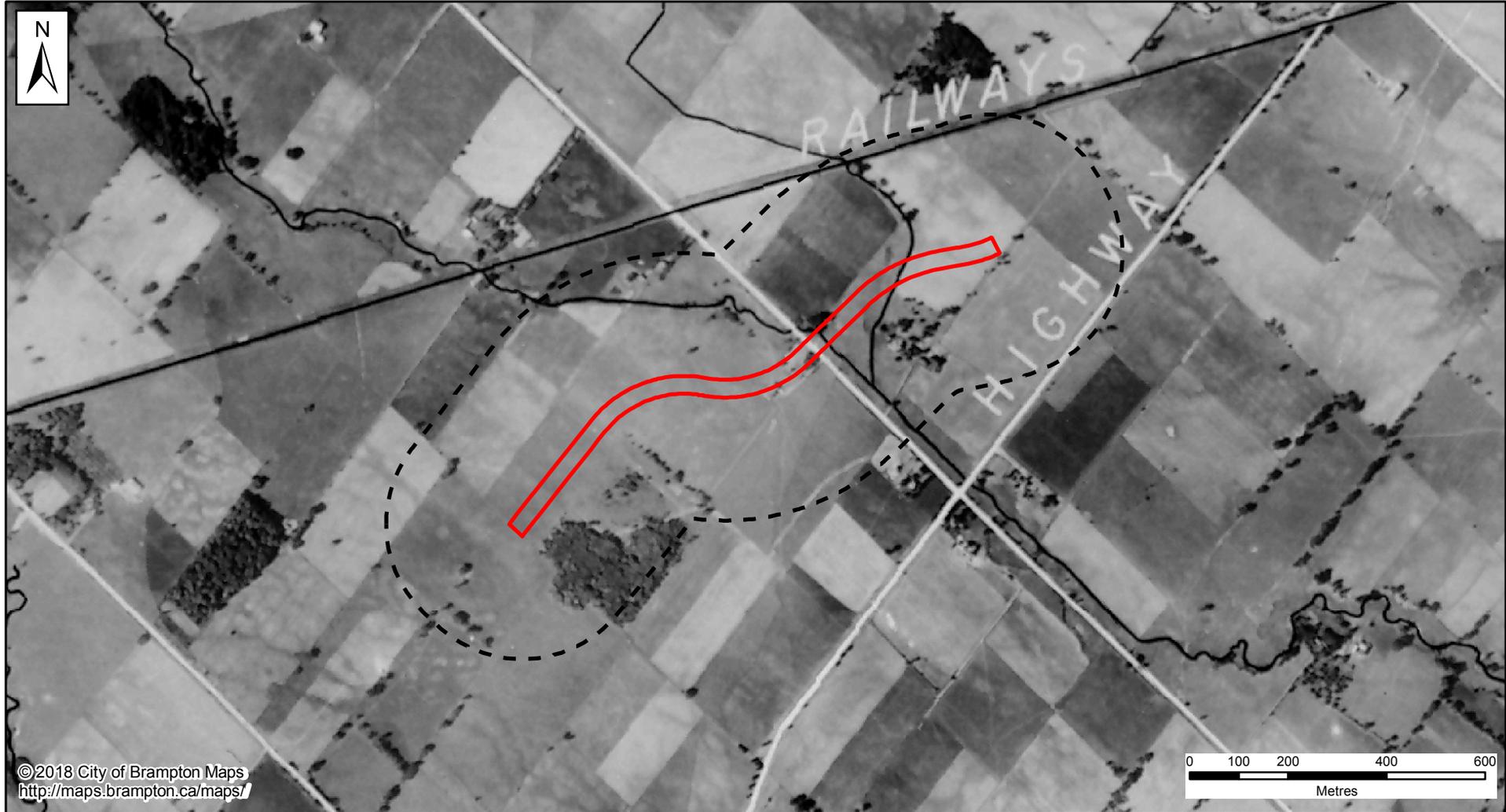
STREET	RESIDENTIAL		COMMERCIAL/INDUSTRIAL/INSTITUTIONAL				FLOW CAP CURVA											
	FROM MH	ID MH	ACC. AREA (ha)	UNITS (#)	DENSITY (P/ha)	DENSITY (P/unit)	POP	ACCUM. RES. POP.	AREA (ha)	ACC. AREA (ha)	EQUIV. POP. (P/ha)	FLOW RATE (l/s/ha)	EQUIV. POP.	ACCUM. EQUIV. POP.	INFILTRATION (l/s)	TOTAL ACCUM. POP.	PEAKING FACTOR	RES. FLDW (l/s)
	LABO	EXMH	34.93				3167					7.0	3167	3.42	38.0			
Church	EX2	EXMH	2.38				19	19				0.5	19	4.00	0.3			
Easement	EXMH	EXMH2	37.31				3186					7.5	3186	3.42	38.2			

FOR SANITARY SEWER DESIGN INFORMATION FROM MH EX2A TO MH 1A ON CREDITVIEW ROAD REFER TO APPROVED DESIGN SHEET BY URBANTECH FILE NO.: B33.302

# APPENDIX

## **D** AERIAL PHOTOGRAPHS

A large, white, stylized chevron shape pointing downwards, located in the lower-left quadrant of the page. It is partially overlaid by the text 'PHOTOGRAPHS'.

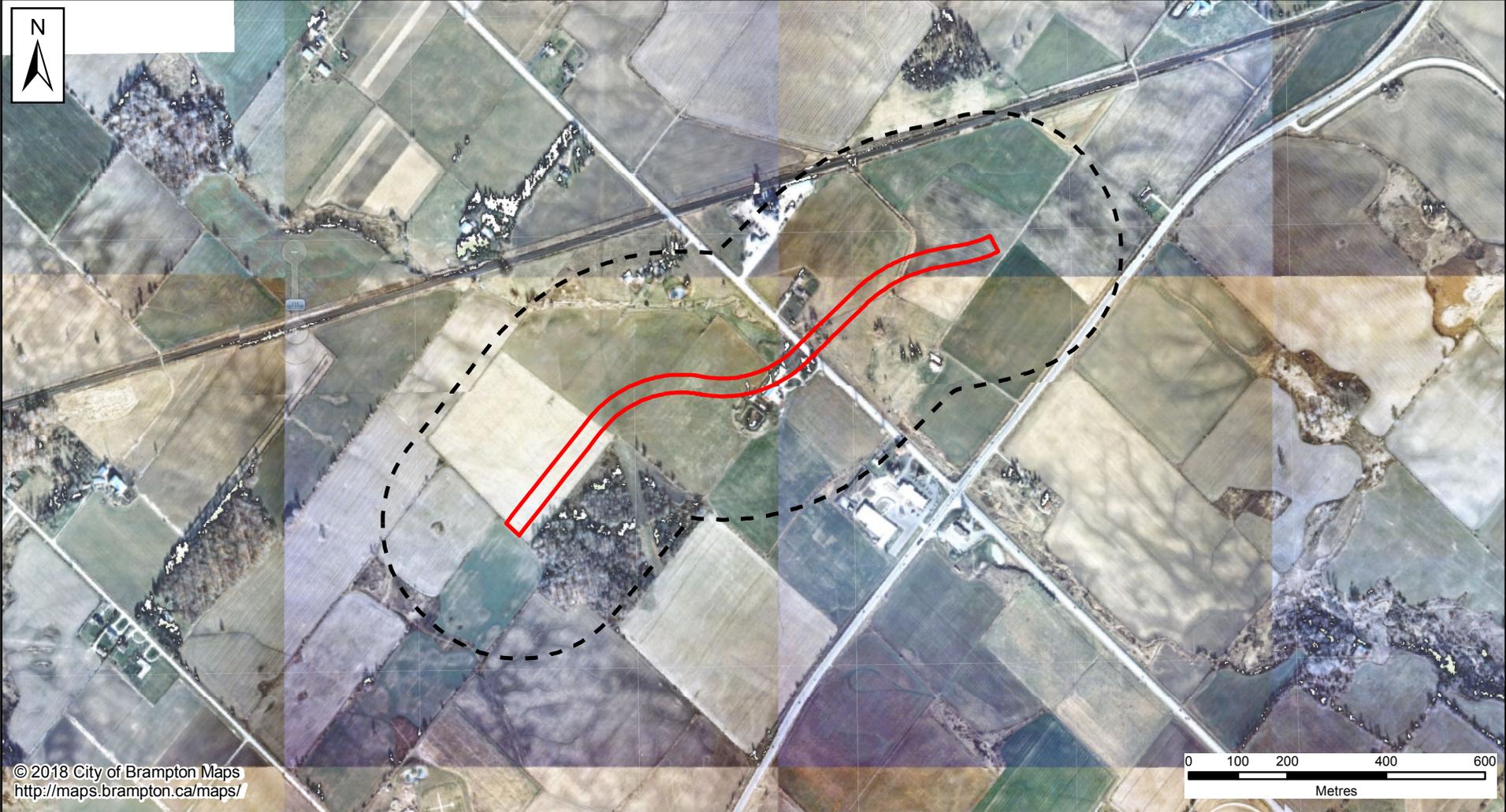


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<http://maps.brampton.ca/maps/>

**LEGEND**

-  PROPOSED ALIGNMENT
-  STUDY AREA - 250M

Client:			<b>CITY OF BRAMPTON</b>		
Title:			<b>1954 HISTORICAL AERIAL PHOTOGRAPH</b>		
Prepared By:					
141-15409-00	Scale as Shown	Review: ET			
Date: August 2018			<b>Figure: E-1</b>		
© Queen's Printer for Ontario					

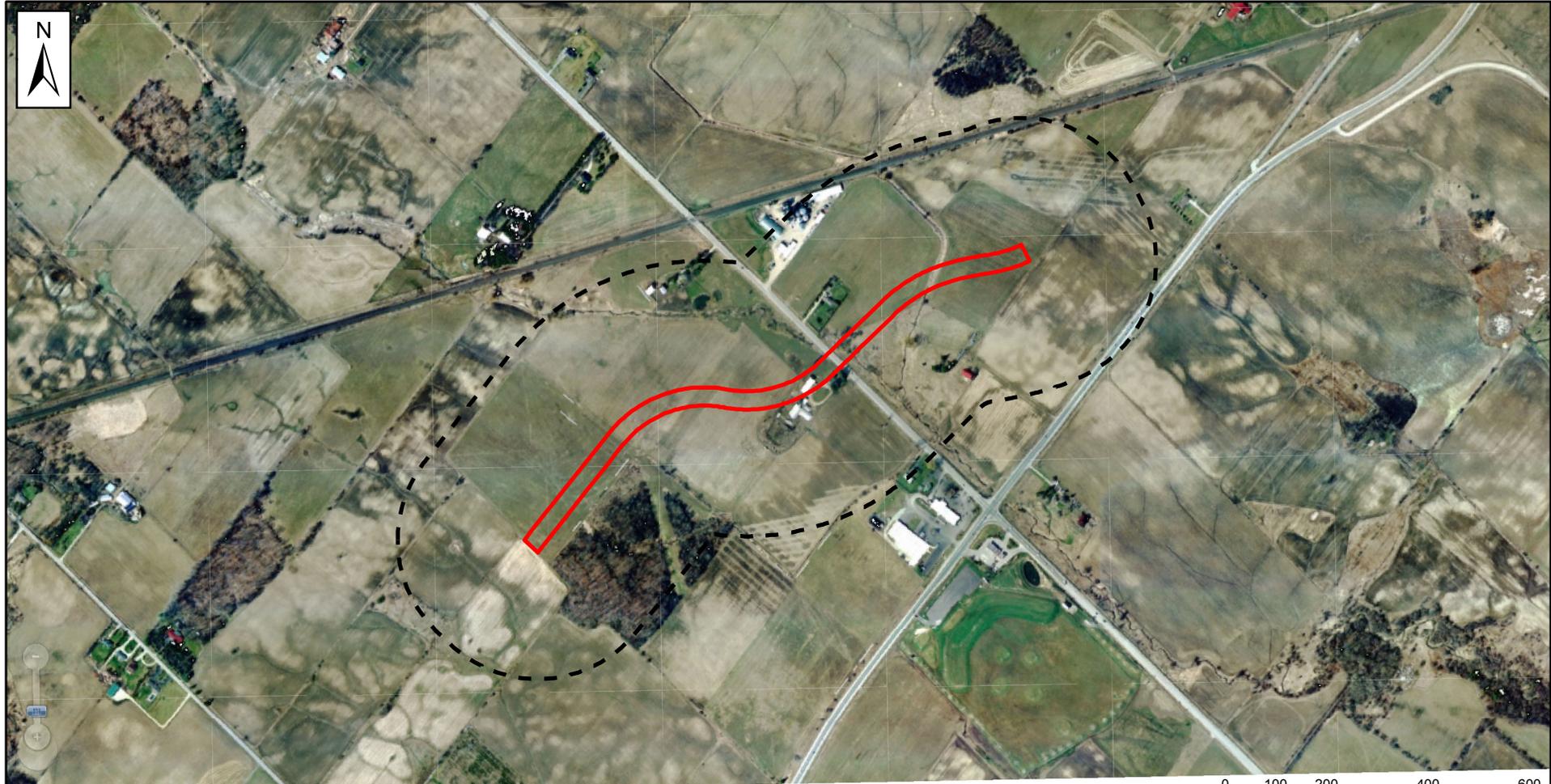


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<http://maps.brampton.ca/maps/>

**LEGEND**

-  PROPOSED ALIGNMENT
-  STUDY AREA - 250M

Client:	<b>CITY OF BRAMPTON</b>	
Title:	<b>1994 HISTORICAL AERIAL PHOTOGRAPH</b>	
Prepared By:		
141-15409-00	Scale as Shown	Review: ET
Date: August 2018	<b>Figure: E-2</b>	
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**LEGEND**

-  PROPOSED ALIGNMENT
-  STUDY AREA - 250M

Client:	<b>CITY OF BRAMPTON</b>	
Title:	<b>2002 HISTORICAL AERIAL PHOTOGRAPH</b>	
Prepared By:		
141-15409-00	Scale as Shown	Review: ET
Date: August 2018	<b>Figure: E-3</b>	
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**LEGEND**

-  PROPOSED ALIGNMENT
-  STUDY AREA - 250M

Client:			<b>CITY OF BRAMPTON</b>		
Title:			<b>2010 HISTORICAL AERIAL PHOTOGRAPH</b>		
Prepared By:					
141-15409-00		Scale as Shown		Review: ET	
Date: August 2018		<b>Figure: E-4</b>			
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<p><b>LEGEND</b></p> <p> PROPOSED ALIGNMENT</p> <p> STUDY AREA - 250M</p>	Client: <b>CITY OF BRAMPTON</b>	
	Title: <b>2017 HISTORICAL AERIAL PHOTOGRAPH</b>	
	Prepared By: 	
	141-15409-00	Scale as Shown
Date: August 2018	<b>Figure: E-5</b>	
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# APPENDIX

## **E** INTERVIEW QUESTIONS

A large, white, diagonal shape resembling a stylized 'V' or a folded corner, positioned on the left side of the page, partially overlapping the text area.



## MEMO

**SUBJECT: Interview for Phase One ESA**

**East-West Connection Mount Pleasant GO Station to West of Mississauga Road  
City of Brampton**

(The Site herein refer specifically to the proposed right of way/Lagerfeld Drive on  
10124 Mississauga Road)

---

1. What is your relationship to the owner of the Site?
2. To your knowledge, what was the Site previously used for?
3. What is the current use for the 10124 Mississauga Road?
4. What is the proposed use of the 10124 Mississauga Road?
5. When were the buildings demolished? When they were demolished, are you aware if any fill material was imported onsite to backfill the basement of the former building?
6. Based on the Site visit completed, there are numerous wells on your property, would you be able to provide any comment on environmental sampling completed at these locations that are in close proximity of the Site?
7. Is there any easements, such as right of way or easement run through the Site?
8. Are you aware of any environmental investigations completed for the Site?
9. Are you aware of any storage of material or spill onsite?
10. Are you aware of any fuel tanks that were previously located within or in close proximity of the Site?



## MEMO

**SUBJECT: Interview for Phase One ESA**

**East-West Connection Mount Pleasant GO Station to West of Mississauga Road  
City of Brampton**

---

1. What is your relationship to the owner of the Site?
2. To your knowledge, what was the Site previously used for?
3. What is the current use for the Site?
4. What is the proposed use of the Site?
5. Do you recall any buildings/activities being carried out on site, if so, what they were and when?
6. Is there any easements, such as right of way or easement run through the property?
7. Are you aware of any environmental investigations completed for the Site?
8. Are you aware of any storage of material or spill onsite?
9. Are you aware of any fuel tanks that were previously located within or in close proximity of the Site?
10. Based on aerial photographs, the construction along Mississauga Road have been ongoing since around 2013. The staging area appears to be just south of the road crossing. Can you confirm if McNelly is the contractor for the work and have been using 10056 Mississauga Road as an address for their work?



## MEMO

**SUBJECT: Interview for Phase One ESA**

**East-West Connection Mount Pleasant GO Station to West of Mississauga Road  
City of Brampton**

(The Site herein refer specifically to the proposed right of way/Lagerfeld Drive on  
your property on 10214 Mississauga Road)

---

1. What is your relationship to the owner of the Site?
2. To your knowledge, what was the Site previously used for?
3. What is the current use for your property?
4. What is the proposed use of your property?
5. Do you recall any buildings/activities being carried out on site, if so, what they were and when?
6. Is there any easements, such as right of way or easement run through the property?
7. Are you aware of any environmental investigations completed for the Site?
8. Are you aware of any storage of material or spill onsite?
9. Are you aware of any fuel tanks that were previously located within or in close proximity of the Site?

# APPENDIX

# F

## SITE

## PHOTOGRAPHS



Photograph 1: Monitoring wells observed at the far west side of proposed alignment facing east.



Photograph 2: View of fill/rubble pile on 10124 Mississauga Road, facing west.



Photograph 3: Fill pile on 10124 Mississauga Road, facing east.



Photograph 4: Dug well located on 10124 Mississauga Road, facing north.



Photograph 5: Huttonville Creek north of Phase One Property, facing north.



Photograph 6: End of current Lagerfeld Drive extension on the Phase One Property, looking west.



Photograph 7: Stormwater management pond on 40 Lagerfeld Drive, north of the Phase One Property, looking southeast.



Photograph 8: Stockpiled material on south portion on Lagerfeld Drive, partly on the Phase One Property, looking southeast.