



# **Hydrogeological Assessment**

**Proposed Residential Development**

**42 Port Street East, 91-93, 99 Lakeshore Road East,  
Mississauga, Ontario**

Centre City Capital Ltd., FRAM + Slokker, Kilmer Group.

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# 1. Introduction

GHD Limited (GHD) has been retained by Centre City Capital Ltd., FRAM + Slokker, Kilmer Group to undertake a hydrogeological investigation in support of the proposed residential development at 42 Port Street East and 91-93, 99 Lakeshore Road East, Port Credit (Mississauga), Ontario (hereafter referred to as the 'Site'). The Site location is shown on **Figure 1.1**.

The Site is currently developed with a 2-storey heritage building (91 Lakeshore Road East) which is operating as a coffee shop, a 1-storey commercial building with surface parking (93 and 99 Lakeshore Road East), and a 2-storey residential dwelling (42 Port Street East). A proposed C-shaped mid-rise residential building with a large portion of it being 11-storeys stepping down to 7-storeys. Two and a half levels of basement parking are proposed that will extend to a depth of 11.05 metres below the ground surface (**Figure 1.2**).

The objectives of this investigation were to:

1. Characterize the current geological and hydrogeological conditions.
2. Determine the requirement for groundwater control during the construction of below grade structures and water taking rates.
3. Determine if dewatering during construction, if required, will require registration on the Environmental Activity and Sector Registry (EASR) or a Permit to Take Water (PTTW).
4. Assess potential impacts of dewatering and requirement for mitigation measures.
5. Determine the requirement for long-term management of foundation drainage and if a PTTW will be required.
6. Determine management options for the discharge of groundwater to the municipal sewer system (sanitary or storm).

The hydrogeological investigation included the following activities:

1. Borehole advancement and installation of monitoring wells in selected boreholes to facilitate the collection of groundwater levels to determine groundwater flow conditions.
2. Single well response testing (SWRT) to determine the horizontal hydraulic conductivity of the saturated geologic deposits.
3. Groundwater level monitoring to determine seasonal fluctuations of the groundwater table
4. Collection of groundwater samples for laboratory analysis that would be used to assess groundwater quality and options for the management of groundwater potentially collected during development activities.

This report is organized into the following Sections:

**Section 1.0 – Introduction:** outlines the purpose, objectives and scope of work, and presents the report organization.

**Section 2.0 – Background:** provides descriptions of the existing Site conditions, background information and surrounding land uses, as well as an outline of the proposed development. The regional environmental setting, including the physiography, topography, main surface water features surrounding the Site, and the surficial geology is presented.

**Section 3.0 – Methodology:** Describes the field activities and methodologies used to assess the site environmental conditions and to determine potential impacts associated with the undertaking.

**Section 4.0 – Geology and Hydrogeology:** Provides a detailed description of the Site geology, hydrogeology and the hydraulic properties of the underlying stratigraphy, and an evaluation of the potential temporary construction water takings for the development. Current groundwater monitoring results are also provided.

**Section 5.0 – Summary and Recommendations:** Provides a summary of the study findings.

References, Figures, Tables and Appendices are provided following the text of this report, as indicated in the Table of Contents.

## 2. Background

### 2.1 Site Description

The Site is located in an urban area within the City of Mississauga. The Site is approximately 0.58 hectares (1.43 acres) in size and is rectangular in shape. The Site currently consists of a two-storey heritage building (91 Lakeshore Road East) which operates as a coffee shop and real estate office, a one-storey commercial building with surface parking (93 and 99 Lakeshore Road East), and a two-storey commercial dwelling (42 Port Street East). It is understood that following the demolition of the existing structures (with exception of the heritage building), the proposed residential development will consist of a C-shaped mid-rise residential building with a large portion of it being 11-storeys stepping down to 7-storeys. Two and a half levels of basement parking are also proposed and will extend to a depth of 11.05 metres below the ground surface (mBGS).

The Site is designated as commercial and is surrounded by commercial, mixed-use, greenlands, public and open Space (**Figure 2.1**). The Site is bound by Elizabeth Street south, to the west by Lakeshore Road East, both are followed by commercial and mixed-use properties. The Site is bound to the North by commercial and mixed use property with an apartment building (50 Port Street), followed by Helene Street South and more mixed-use beyond that. To the East the Site is bound Port Street East followed by mixed-use, greenlands, public and open Space, the Port Credit Harbor and Lake Ontario.

The Site and surrounding properties have municipal water and sewer services. Potable water at the Site and surrounding area is supplied by the City of Mississauga, which obtains water from Lake Ontario.

There are no surface water features on the site. The Site is situated in the Credit Valley – Norval to Port credit watershed between the Lake Ontario Shoreline East Tributaries and Lake Ontario Shoreline West Tributaries, Lake Ontario is located 70m southeast of the site (**Figure 2.2**). There are no environmentally sensitive areas or wetlands in the vicinity of the Site.

### 2.2 Regional Setting

The Site is located in the Iroquois Plains physiographic region (Chapman and Putnam, 1984)<sup>1</sup> which is characterized by a sand plain (**Figure 2.3**). The topography is generally flat on the sand plain with a gradual slope to the south toward Lake Ontario, and locally to the southwest towards the Credit River. The Site is generally flat with elevations ranging between 79.6 to 80.1 metres above mean sea level (mAMSL) in reference to the ground surface elevation surveyed at drilled borehole locations. The Lake Ontario level is at an average elevation of 75 mAMSL.

Regional surficial geology mapping of the area indicates that the Site is underlain by coarse textured foreshore-basinal deposits comprised of sand (OGS, 2010)<sup>2</sup>. The surficial geology in the surrounding area includes modern alluvial deposits and fine textured interbedded flow till, rainout deposits and silt and clay (**Figure 2.4**). These deposits vary from near shore sand and gravel beach deposits of the Lake Iroquois shoreline to fine sands, silt and clay glaciolacustrine deposits. These sediments generally form a thin layer of overburden overlying Upper Ordovician Georgian Bay Formation, which is comprised of shale with limestone, and siltstone interbeds. The surficial geology and general stratigraphic framework for the Site and surrounding area consists of the following deposits:

- **Surficial Soil** – topsoil and fill
- **Foreshore-Basin Deposit** – sand, gravel, minor silt and clay

<sup>1</sup> Chapman, L.J. and Putnam, D.F., 1984. The Physiography of Southern Ontario. Ontario Geological Survey, Special Volume 2.

<sup>2</sup> Surficial Geology of Southern Ontario - Miscellaneous Release--Data 128-REV. Ontario Geological Survey, 2010.

- **Glaciolacustrine Deposits** – silt and clay
- **Upper Georgian Bay Formation** – shale with limestone interbeds

The location of water wells recorded by the Ministry of the Environment Conservation and Parks (MECP) within 500 m of the Site is shown on **Figure 2.5**, and a summary of the records is presented in **Appendix F**. Based on review of the well records, the majority of recent records are for monitoring wells, observation and test holes or are unknown. There were no recorded water supply wells in use within 500 m of the Site.

## 3. Methodology

The following activities were undertaken to assess the hydrogeological conditions of the Site:

- Borehole advancement and installation of monitoring wells in selected boreholes to facilitate the collection of groundwater levels to determine groundwater flow conditions.
- SWRT's to determine hydraulic conductivity and groundwater flux of the saturated stratigraphic deposits investigated.
- Groundwater monitoring to determine stable groundwater levels, groundwater flow directions and seasonal fluctuations.
- One groundwater quality sample was collected from a representative monitoring well and analyzed for the parameters listed in the Region of Peel Sanitary and Storm Sewer Use By-Law (53-2010) and the City of Mississauga Storm Sewer Use By-Law 0046-202 and dissolved metals.

### 3.1 Borehole Advancement and Monitoring Well Installations

The scope of work consisted of advancing ten (10) boreholes between September 19<sup>th</sup> and 27<sup>th</sup>, 2022 with five (5) being equipped as groundwater monitoring wells denoted as MW1-22 to MW5-22 (**Figure 3.1**). Bedrock coring was carried out at two of the drilled locations (identified as MW1-22 and MW5-22). The boreholes were between advanced between 1.6 to 176 mBGS. The well completion details for the monitoring wells/boreholes are presented in **Table 3.1**. Copies of the Stratigraphic and Instrumentation logs are presented in **Appendix B**.

All boreholes/monitoring wells were advanced by MECP licensed well drillers Profile Drilling Inc. (Profile) from Mississauga, Ontario, under the full-time supervision of a GHD technical representative. The monitoring wells were installed consistent with the requirements of Regulation 903 – Wells (R.R.O 1990) and O. Reg. 153/04 (as amended). The drilling and monitoring well installation methods and procedures are presented in **Appendix A**.

Monitoring wells were constructed with 50 mm (2-inch) Schedule 40 PVC screen and casing. The well screens are 3.05 m (10 feet) in length and pre-slotted (No. 10 slot) (see **Table 3.1**). Silica sand pack was placed at the tip of the monitoring well screen and typically extends 0.6 m above the screen. The remaining annular space was sealed with bentonite, and the wells were completed with protective monument style casings set in concrete.

The drilling work was carried out utilizing a track-mounted conventional drilling rig supplied and operated by Profile under the full-time supervision of GHD experienced technical personnel. The boreholes were advanced using continuous flight hollow-stem augers up to the termination depth of the boreholes.

Soil samples were generally collected every 0.75 m depth intervals to 3.0 m below ground surface and at 1.5 m intervals thereafter to the termination depth of the drilled boreholes. Soil samples were collected using a 50 mm outside diameter split spoon sampler in accordance with the specifications of the Standard Penetration Test Method (ASTM D1586). In addition, at each borehole location the relative density or consistency of the soils were measured using the Standard Penetration Test (SPT) method, by counting the number of blows ('N') required to drive a

conventional split barrel soil sampler 300 mm depth. At two select borehole locations, rock coring was carried out using an 'HQ' sized core barrel and approximately 5.5 m core lengths of the bedrock were obtained at each location.

## 3.2 Hydrogeological Testing

SWRTs were completed on all five (5) monitoring wells to estimate the horizontal hydraulic conductivity of the saturated geologic deposits underlying the Site.

SWRTs involve the injection or removal of a known volume of water into/from the well and measuring the water level response in the well until it returns to static conditions (i.e., falling/rising head test). The results of the hydraulic testing were analyzed using the Horslev (1951) and Bouwer-Rice (1976) solutions for unconfined aquifer conditions as provided in the software package AQTESOLV™.

These solutions were used to determine the horizontal hydraulic conductivity of the saturated soils within the immediate vicinity of the screened interval of each monitoring well. The SWRTs are summarized in **Table 3.2** and the procedures are discussed in **Appendix A**. The results of the testing are presented in **Appendix C**, and are discussed in Section 4.0.

## 3.3 Groundwater Level Monitoring

Groundwater level monitoring will be completed on four occasions from all monitoring wells to verify fully-recovered stable water level conditions in the wells, and seasonal fluctuations, starting from manual groundwater levels collected on October 3<sup>rd</sup>, 2022. Groundwater levels will be collected using an electronic water level meter (Solinst Model 101), and two monitoring/observation wells will be equipped with data loggers to continuously record water levels and provide a detailed record of the response of groundwater to climatic conditions throughout the monitoring period. Groundwater levels collected from the monitoring wells are summarized in **Tables 3.3** and **3.4**, and a hydrograph of the observed levels is presented in **Appendix D**.

## 3.4 Groundwater Quality

On October 3<sup>rd</sup>, 2022, one groundwater sample was collected, from MW4-22, for laboratory analysis of the parameters listed in the Region of Peel Sanitary and Storm Sewer Use By-Law (53-2010) and the City of Mississauga Storm Sewer Use By-Law 0046-202 and dissolved metals to characterize the groundwater that may be collected during construction activities for discharge.

Prior to sampling, MW4-22 was purged to ensure that the sample collected was representative of groundwater quality. Purging of the well was considered to be complete when field measurements of pH, conductivity and temperature stabilized, which generally occurred after three to five well volumes of groundwater had been removed (see **Appendix A**).

The groundwater samples were submitted under chain of custody procedures to ALS Laboratory (ALS) in Mississauga, Ontario, a Canadian Association for Laboratory Accreditation Inc. (CALA) accredited analytical laboratory. The laboratory analytical reports are provided in **Appendix E**, and the results are discussed in Section 4.0.

# 4. Geology and Hydrogeology

The following sections provide a description of the geology and hydrogeology of the Site, based on the results of the investigations completed and on the available background information. Hydrostratigraphic cross-section A-A' oriented in a east-west direction and cross-section B-B' oriented in a north-south direction across the Site were prepared based on the data collected. The locations of the profiles are presented on **Figure 3.1**, and the profiles are shown on **Figures 4.1** and **4.2**, respectively.

## 4.1 Site Geology

The following surficial materials and geologic deposits underlie the Site (see **Figures 4.1 and 4.2**):

- **Surficial Soil** – Asphalt / fill
- **Glaciolacustrine Deposits** – Silt to Silty Clay, and Lean Clay
- **Bedrock** – Shale

### **Surficial Soils:**

#### **Fill / Topsoil**

The layers extended to a depth of 1.5 meters below ground surface (mBGS). A thin layer of asphalt was found at select boreholes, ranging in thickness from 75 mm to 150 mm immediately overtop the fill material. The composition of the fill was generally a sand and gravel to sandy silt. Fill materials extend between ground surface to 1.5 m below ground surface (between Elevations 79.6 and 78.5 m). Classification of this material was based solely on visual and textural examination of the materials. It should be noted that the thickness of the fill can vary between borehole locations. The fill was found to be brown, moist and compact.

### **Native Deposits:**

#### **Silt to Silty Clay**

Native deposits in the area generally consist of fine grained deposits of silt to silty clay that were encountered at all borehole locations. The depths of the silt to silty clay deposit varied between 0.4 m to 1.5 mBGS and extended to depths of 8.7 mBGS (elevations ranging between 79.7 m and 71.5 m). The silt to silty clay was found to be brown to grey, generally loose to compact and moist to wet.

All boreholes except MW2-22 encountered the silt layer below the fill materials. Within MW2-22 silty clay soils were encountered beneath the fill materials. The cohesive deposit was encountered at depths ranging between 1.5 m and 3.0 m (elevations ranging between 78.5 m and 77.0 m).

#### **Lean Clay to Sandy Lean Clay**

A lean clay deposit was encountered immediately below the native silty clay and silt deposits in all boreholes, except MW1-22 and MW4-22 where a sandy lean clay was encountered immediately below the silty clay deposits. The lean clay deposits encountered in MW2-22, MW3-22, and MW5-22 extended to approximate depths of 6.9 m to 7.6 m below ground surface (between Elevation 73.1 m and 72.0 m).

The sandy lean clay was encountered in all boreholes and extended to the overburden termination depth (between Elevation 68.3 m and 67.2 m). In most boreholes, fragments of shale bedrock were encountered intermixed within the sandy lean clay deposit. These native deposits were underlain by weathered shale bedrock. The lean clay to sandy lean clay was found to be grey in colour, moist to wet and stiff to hard in consistency.

#### **Bedrock**

Completely weathered shale bedrock (residual soil) was encountered in all boreholes below the native sandy lean clay deposit. Bedrock was confirmed through coring at two borehole locations, identified as MW1-22 and MW5-22. The approximate top of bedrock (completely weathered) elevation ranges between Elevation 68.3 and 67.2 m. The bedrock in the area consists of grey shale with limestone interbeds.

The cores were inspected and observed to generally be slightly to highly weathered and thinly laminated. The Rock Quality Designation (RQD) measured on the core samples ranged from 57 percent to 80 percent. At Borehole MW1-22, the RQD was measured as 29 percent for the first run (12.1 m to 13.0 m) due to the upper layer of weathered shale. The Total Core Recovery (TCR) ranged between 97 and 100 percent.

## 4.2 Site Hydrogeology

The field investigations completed for the Site included hydrogeological testing, SWRTs and assessment of the properties and conditions of the overburden. The SWRTs were completed at representative groundwater monitoring wells. A summary of the aquifer/aquitard hydraulic properties is presented in **Table 3.2**.

A review of the geologic cross-sections (**Figures 4.1 and 4.2**) and **Table 3.2** indicate that the primary units underlying the Site include the following:

**Silt to Silty Clay (Aquifer)** – Based on the hydrogeological testing, the horizontal hydraulic conductivity of the silt to silty clay ranged from  $3.67 \times 10^{-3}$  cm/s to  $9.52 \times 10^{-4}$  cm/s. The geometric mean calculated for the silt to silty clay is  $1.8 \times 10^{-3}$  cm/s, which is representative of an aquifer (**Table 3.2**). The high hydraulic conductivity is considered to be due to heterogeneities within the deposit and higher amounts of medium to coarse textured sand within the deposit.

**Lean Clay to Sandy Lean Clay (Aquitard)** – Based on the hydrogeological testing, the horizontal hydraulic conductivity of the lean clay to sandy lean clay deposit is  $1.43 \times 10^{-5}$  cm/s (geometric mean), which is representative of an aquitard or semi-confining layer (**Table 3.2**).

### Groundwater Levels

Manual groundwater level monitoring was undertaken as of October 3<sup>rd</sup>, 2022 and is on going to demonstrate a fully-recovered stable water level condition (**Table 3.3 and 3.4**). Manual groundwater level monitoring was collected on three separate occasions from all onsite monitoring wells to demonstrate fully-recovered stable water level conditions in each well. The groundwater level monitoring will be used to determine the high water table, and to verify groundwater gradients and flow direction. The groundwater level monitoring is displayed graphically in **Appendix D**.

Groundwater levels measured in mBGS are presented in **Table 3.3** and **Figure 4.3**, based on the levels collected on October 27<sup>th</sup> 2022. Based on review of the groundwater levels, the water table ranged from 2.44 mBGS at MW1-22 to 8.53 mBGS at MW5-22.

Groundwater levels measured in metres above mAMSL are presented in **Table 3.4** and **Figure 4.4**, based on the October 27<sup>th</sup>, 2022 monitoring event. The groundwater levels within the monitoring wells ranged from 71.08 mAMSL at MW5-22 to 77.74 mAMSL at MW1-22. Groundwater flow is anticipated to be northeast off Site.

Groundwater level monitoring will be completed on one additional Site visit (total of four occasions) from all monitoring wells to verify fully-recovered stable water level conditions in the wells, and seasonal fluctuations. Groundwater levels will be collected using an electronic water level meter (Solinst Model 101), and two monitoring/observation wells will be equipped with data loggers to continuously record water levels and provide a detailed record of the response of groundwater to climatic conditions throughout the monitoring period.

## 4.3 Water Taking Evaluation

The Site is currently developed with a 2-storey heritage building (91 Lakeshore Road East) which is operating as a coffee shop and real estate office, a 1-storey commercial building with surface parking (93 and 99 Lakeshore Road East), and a 2-storey vacant commercial building (42 Port Street East).

Based on correspondence with the client, a proposed C-shaped mid-rise residential building with a large portion of it being 11-storeys stepping down to 7-storeys will be developed on the Site. Two and a half levels of basement parking are proposed that will extend to a depth of 11.05 metres below the ground surface (**Figure 1.2**).

It is anticipated that the installation of two levels of basement parking will intersect the water table and require lowering of the water table below the base of the excavation to ensure safe, dry working conditions. Corresponding line structures/utility installations will also require lowering of the water table below the base of the excavations based on the height of the water table measured on Site.

Based on the presence of medium permeability silt to silty clay soils, groundwater control requirements are anticipated for the shallow construction excavations. The seepage rate into the excavation is expected to be relatively fast and the

seepage is anticipated to be controlled using conventional construction dewatering techniques, i.e., wellpoints and gravity drainage and pumping from open sumps with proper filtration.

The construction dewatering should lower the water table below the base of the excavation to ensure safe, dry working conditions.

### 4.3.1 Proposed Two and a half Levels of Basement Parking Construction Dewatering Estimates

A summary of the relevant depths and corresponding elevations is provided as follows:

**Table 4.1** Summary of Relevant Construction Dewatering Depths – Proposed Two and a Half Basement Levels of Parking

Utility Excavation	Depth (m BGS)	Elevation (mAMSL)
a) Ground	0.0	80.18
b) Water Table	2.44*	77.74*
d) Bottom Excavation	11.05	69.13
e) Bottom Dewatering	11.55	68.63

Note: \*Based on a high water level observed on October 3<sup>rd</sup>, 2022  
 mBGS - metres below ground surface  
 mAMSL - metres above mean sea level

The required water table drawdown is anticipated to be generally about 9.11 metres within the excavation area, based on the above (77.74 mAMSL – 68.63 mAMSL = 9.11 m).

The results from the single-well response tests were used to estimate the hydraulic properties (hydraulic conductivity), groundwater taking rates, and area of influence for the deep excavations within the various deposits, as follows:

**Table 4.2** Hydraulic Conductivity – Proposed Two and a Half Basement Levels of Parking Excavation

Material	Soil	Approximate Elevation Range (mAMSL)	Saturated Thickness (m)	Geometric Hydraulic Conductivity Calculated (cm/s)
1	Silt to Silty Clay	77.74 to 73.0	Up to 4.74 m	1.80×10 <sup>-3</sup>
2	Lean Clay to Sandy Lean Clay	73.0 to 68.63	4.74 to 9.11 m	1.43×10 <sup>-5</sup>

The horizontal hydraulic conductivity  $K_h$  of the overburden can be estimated by the following relationship that addresses the heterogeneity of the deposits:

$$K_h = k_1d_1 + k_2d_2 / d_1+d_2$$

Where:

$k_1$  = hydraulic conductivity of material 1 (overburden)

$d_1$  = thickness of material 1

$k_2$  = hydraulic conductivity material 2 (bedrock)

$d_2$  = thickness of material 2

Due to the variable thickness and variable hydraulic conductivity of the materials within the zone to be dewatered, the maximum saturated thicknesses were used, which provide conservative dewatering rates.

Based on the above, the average hydraulic conductivity ( $K_h$ ) is:

$$K_h = [(1.8 \times 10^{-5} \text{ m/s} \times 4.74 \text{ m}) + (1.43 \times 10^{-7} \text{ m/s} \times 4.37 \text{ m})] / (4.74 \text{ m} + 4.37 \text{ m}) = 9.43 \times 10^{-6} \text{ m/s} = 0.81 \text{ m/day.}$$

The temporary water takings and area of influence during an open cut excavation were determined using the field test results and the analytical solution for groundwater seepage (unconfined flow) to a shaft (CGS, 2013), as presented below.

#### EQUATION AND PARAMETERS

$$1) \quad Q = \frac{\pi K(H^2 - h_w^2)}{\ln R_o/r_w} + 2 \left[ \frac{xK(H^2 - h_w^2)}{2L} \right] \quad 2) \quad r_w = \frac{a+b}{\pi} \quad 3) \quad L = R_o = 3000(\Delta H)\sqrt{K}$$

where:

$Q$  = constant pumping rate ( $m^3/day$ )

$K$  = hydraulic conductivity ( $m/day$ )

$H$  = height of groundwater pressure ( $m$ )

$h_w$  = dewatering height ( $m$ )

$R_o$  = radius of influence ( $m$ )

$r_w$  = radius of footprint ( $m$ )

$a$  = length of excavation ( $m$ )

$b$  = width of excavation ( $m$ )

The analytical model input parameters are provided on **Table G.1**, and are summarized as follows:

$Q$  = calculated groundwater seepage rate for an excavation with dimensions 60 m x 85 m

$K$  = 0.81 m/day ( $9.43 \times 10^{-4}$  cm/s)

$H$  = 9.11 m height of water table

$h_w$  = 0 m dewatering height

$R_o$  = 124.22 m

$r_w$  = 40.29 m

$a$  = 85.0 m

$b$  = 60.0 m

Note: Height measurements are relative to base of the active groundwater flow system.

The geometric mean calculated for the silt to silty clay and lean clay to sandy lean clay was utilized, along with the saturated thickness of these two deposits to calculate a horizontal hydraulic conductivity of the overburden. The calculated hydraulic conductivity of the overburden is  $9.43 \times 10^{-4}$  cm/s, and this was utilized to calculate the dewatering estimate for the two and a half basement levels of underground parking to be conservative in our estimate. The steady state groundwater takings were estimated to be approximately 188.68 cubic metres per day ( $m^3/day$ ) (**Table G.1**) or 188,680 L/day, or 131 L/min into the excavation. A water taking at this rate was predicted to result in an area of influence of approximately 124.2 m from the centre of the open cut excavation. A safety factor of 2X is then applied to account for the removal of the initial groundwater storage during the early stages of the water taking. Based on this, the maximum water takings were estimated to be up to 377.36  $m^3/day$  (377,360 L/day).

The groundwater seepage calculations are conservative with respect to estimating higher rates than may actually occur, but they are also based on several limiting assumptions with regard to the subsurface conditions, which could result in higher or lower groundwater seepage.

A Ministry of the Environment, Conservation and Parks (MECP) EASR is required for temporary construction groundwater takings of between 50,000 to 400,000 L/day, and a MECP Permit to Take Water (PTTW) is required for construction water takings of more than 400,000 L/day.

The estimated construction water taking of 377,360 L/day is within the EASR limit amounts of 50,000 to 400,000 L/day. Based on this, an EASR is anticipated to be required for the dewatering for the two and a half levels of basement level parking construction excavation.

Based on the stratigraphy and the Site being in close vicinity to Lake Ontario, dewatering of the silt to silty clay unit may bring recharge of the groundwater at the Site from Lake Ontario as the unit is considered to be in hydraulic connection with the Lake. Due to the close proximity to Lake Ontario, there is a potential for a large volume of recharge to the groundwater at the Site. The construction water taking amount of 377,360 L/day could be reduced or eliminated with the implementation of construction mitigation methods. Cut off walls or shoring caisson walls anchored into the underlying low permeability units could minimize or eliminate the amount of construction discharge associated with the two and a half levels of underground parking. Rib and lagging is another mitigation method that could be implemented to offer some resistance to seepage and minimize the construction water taking.

### 4.3.2 Proposed Utility Construction Dewatering Estimates

A summary of the relevant depths and corresponding elevations is provided as follows:

Table 4.3 Summary of Relevant Construction Dewatering Depths – Proposed Utility Excavations

Utility Excavation	Depth (m BGS)	Elevation (mAMSL)
a) Ground	0.0	80.18
b) Water Table	2.44*	77.74*
d) Bottom Excavation	3.0	77.18
e) Bottom Dewatering	4.0	76.18

Note: \*Based on a high water level observed on October 3<sup>rd</sup>, 2022  
 mBGS - metres below ground surface  
 mAMSL - metres above mean sea level

The required water table drawdown is anticipated to be generally about 1.56 metres within the excavation area, based on the above (77.74 mAMSL – 76.18 mAMSL = 1.56 m).

The temporary water takings and area of influence during an open cut excavation were determined using the field test results and the analytical solution for groundwater seepage (unconfined flow) to a trench (CGS, 2013), as presented below.

#### EQUATION AND PARAMETERS

$$1) \quad Q = \frac{\pi K(H^2 - h_w^2)}{\ln R_o/r_w} + 2 \left[ \frac{xK(H^2 - h_w^2)}{2L} \right] \quad 2) \quad r_w = \frac{a+b}{\pi} \quad 3) \quad L = R_o = 3000(\Delta H)\sqrt{K}$$

where:

Q = constant pumping rate (m<sup>3</sup>/day)

K = hydraulic conductivity (m/day)

H = height of groundwater pressure (m)

h<sub>w</sub> = dewatering height (m)

R<sub>o</sub> = radius of influence (m)

r<sub>w</sub> = radius of footprint (m)

*a = length of excavation (m)*

*b = width of excavation (m)*

The analytical model input parameters are provided on **Table G.2**, and are summarized as follows:

Q = calculated groundwater seepage rate for an excavation with dimensions 15 m x 3 m

K = 1.56 m/day ( $1.80 \times 10^{-3}$  cm/s)

H = 1.56 m height of water table

$h_w = 0$  m dewatering height

$R_o = 25.59$  m

$r_w = 5.73$  m

a = 15.0 m

b = 3.0 m

Note: Height measurements are relative to base of the active groundwater flow system.

The geometric mean calculated for the silt to silty clay deposit was  $1.80 \times 10^{-3}$  cm/s, and this was utilized to calculate the dewatering estimate for the utility construction excavations to be conservative in our estimate. The steady state groundwater takings were estimated to be approximately 10.17 cubic metres per day ( $m^3/day$ ) (**Table G.2**) or 10,170 L/day, or 7.06 L/min into the excavation. A water taking at this rate was predicted to result in an area of influence of approximately 26 m from the centre of the open cut excavation. A safety factor of 3X is then applied to account for the removal of the initial groundwater storage during the early stages of the water taking. Based on this, the maximum water takings were estimated to be up to 30.51  $m^3/day$  (30,510 L/day).

The groundwater seepage calculations are conservative with respect to estimating higher rates than may actually occur, but they are also based on several limiting assumptions with regard to the subsurface conditions, which could result in higher or lower groundwater seepage.

A Ministry of the Environment, Conservation and Parks (MECP) EASR is required for temporary construction groundwater takings of between 50,000 to 400,000 L/day, and a MECP Permit to Take Water (PTTW) is required for construction water takings of more than 400,000 L/day.

The estimated construction water taking of 30,510 L/day is below the EASR minimum limit amount of 50,000 L/day. Based on this, an EASR is not anticipated to be required for the dewatering for the utility construction excavations.

### 4.3.3 Long Term Groundwater Management – Proposed Building Basement Levels

Due to the groundwater table elevation at the Site and seasonal fluctuations of the groundwater level, hydrostatic pressures on the subfloor and foundation are anticipated. Additional groundwater level monitoring is required to verify the hydrostatic pressure. Based on the preliminary monitoring, hydrostatic pressures on the subfloor and foundation due to groundwater in the overburden are anticipated for structures completed below an elevation of approximately 77.7 mAMSL. There are two alternative methods to manage the hydrostatic pressures:

1. A subfloor and perimeter drainage system (Permanent Drainage System – (PDS)) and a waterproofing membrane compatible with the drainage system installed beneath the slab. The purpose of the subfloor drainage system is primarily to depress the water table thus preventing a build-up of hydrostatic pressure so that the floor slab and foundation walls do not need to be designed to resist hydrostatic load. The drainage system must be designed to collect and dispose of groundwater at a rate sufficient to prevent build-up of hydrostatic pressure. The purpose of the waterproofing membrane is to minimize potential for seepage of

groundwater through the slab and walls. Ongoing groundwater collection and discharge to the City sewer is required for this option.

2. The underground parking can be designed as a water tight structure. This will eliminate the need to install and maintain the subfloor drains, but is otherwise likely to be more costly. The underground parking walls and slabs will have to be designed to resist hydrostatic and uplift pressures. Groundwater collection is not required for this option.

If the first option is selected, the PDS is anticipated to be installed around the perimeter of the building and below the basement and parking levels, such that, passive groundwater flow or seepage into the PDS will occur within an area similar to the dimensions and depth of the construction excavation. As such, the conservative estimates and steady state analytical calculations used for the construction water taking estimates are the same for the PDS groundwater seepage and are conservatively estimated to be 188,680 L/day.

The groundwater seepage calculations are conservative with respect to estimating higher rates than may actually occur, but they are also based on several limiting assumptions with regard to the subsurface conditions, which could result in higher or lower groundwater seepage. Due to these variables the groundwater seepage estimate is approximate. A mechanical engineer determining the permanent drainage system sump pump size and pumping rates should not rely solely on the estimated groundwater seepage value. Field observations and monitoring of the construction excavation discharge would assist with verifying the estimated long term groundwater seepage rate.

A MECP Permit To Take Water (PTTW) may be required for the PDS as the water takings are estimated to be more than 50,000 L/day. The steady state water takings should be determined based on the actual construction water takings, which can be used to further evaluate and assess the long term drainage to the building PDS.

The groundwater seepage to the PDS would need to be discharged to the City of Mississauga sewer system, or managed by other means. Approval from the City would also be required for long-term discharge.

If the second option is selected, groundwater will not be collected, and groundwater management will not be required.

## 4.4 Groundwater Management - Quality

During construction, the collected groundwater may be temporarily discharged to the municipal sanitary or storm sewers. One groundwater sample was collected on October 3<sup>rd</sup>, 2022, the groundwater sample was collected from MW4-22 for laboratory analysis of the parameters listed in the City of Mississauga Sewer Use By-Law (0046-2022) and The Region of Peel Sanitary and Storm Sewer Use By-Law (0053-2010). During a subsequent follow up visit to the Site a second sample was collected on November 25<sup>th</sup>, 2022 and analyzed against total manganese and biological oxygen demand (BOD). The results from the laboratory analyses are summarized in **Table 4.4**, and the laboratory analytical reports are provided in **Appendix E**.

*Table 4.5 Groundwater Analytical Exceedances*

Criteria	MW4-22
The City of Mississauga Storm Sewer	Manganese (Total) Biochemical Oxygen Demand (BOD)
The Region of Peel Storm Sewer	Chloroform (Trichloromethane) Manganese (Total)

Based on review of **Table 4.4 & 4.5**, the groundwater meets the Region of Peel sanitary sewer discharge criteria. The groundwater analytical results do not meet all criteria for discharge to the Region of Peel storm sewers or the City of Mississauga storm sewers. It is anticipated that pre-treatment such as, settlement, filtration and other treatment

processes will be required prior to discharge. Treatment methods will need to be assessed to determine if the discharge can be treated to meet the onsite storm sewer use, or land drainage criteria.

A subsequent follow up visit to the Site to collect a second sample should occur and be analyzed against total manganese and biological oxygen demand (BOD) to reassess the previous samples exceedances. The second sample for total manganese and BOD will be compared against the Region of Peel sanitary and storm sewers and the City of Mississauga storm sewers discharge criteria to further assess whether the criteria's concentrations can be met.

As the water that accumulates in the excavation will primarily be a combination of groundwater, surface water runoff and precipitation, the groundwater sample analytical results alone are not representative of the actual excavation discharge water quality. Additional sample collection will be required from the construction water takings prior to discharge to the municipal sewer or land drainage to confirm acceptable discharge quality.

The construction water collected from the property is anticipated to be discharged to the City of Mississauga storm sewer (with treatment) pending approval. A discharge permit will be required prior to discharge to the sewer.

## 5. Summary and Conclusions

Based on the results of the hydrogeological investigation and monitoring undertaken to date, the following summary and recommendations are provided:

1. The Site is underlain by a silt to silty clay layer, lean clay to sandy lean clay and bedrock. At the time of investigation, the groundwater was present within the silt to silty clay deposit.
2. The geometric mean of the horizontal hydraulic conductivity calculated for the silt to silty clay is  $1.80 \times 10^{-3}$  cm/s, which is representative of an aquifer. The geometric mean of the horizontal hydraulic conductivity of the lean clay to sandy lean clay was  $1.43 \times 10^{-5}$  cm/s, which is representative of an aquitard or semi-confining layer.
3. The geometric mean calculated for the silt to silty clay and lean clay to sandy lean clay was utilized, along with the saturated thickness of these two deposits to calculate a horizontal hydraulic conductivity of the overburden. The calculated hydraulic conductivity of the overburden was  $1.47 \times 10^{-3}$  cm/s, and this was utilized to calculate the dewatering estimate for the two basement levels of underground parking to be conservative in our estimate.
4. Groundwater was encountered in the silt to silty clay deposit and the water table ranged from 2.44 mBGS to 8.53 mBGS. Groundwater elevations ranged from 71.08 mAMSL to 77.74 mAMSL.
5. It is anticipated that the installation of two and a half levels of basement parking will intersect the water table and require lowering of the water table below the base of the excavation to ensure safe, dry working conditions. Corresponding line structures/utility installations will also require lowering of the water table below the base of the excavations based on the height of the water table measured on Site.
6. The maximum water takings for the proposed two and a half levels of basement parking excavations are estimated to be up to 377,360 L/day. The steady state dewatering rate for the proposed basement parking excavation is estimated to be 188,680 L/day. Based on this, an EASR is anticipated to be required for the dewatering for the two and a half levels of basement parking construction excavation.
7. The maximum water takings for the proposed utility excavations are estimated to be up to 30,510 L/day. The steady state dewatering rate for the utility excavations is estimated to be 10,170 L/day. Based on this, an EASR is not anticipated to be required for the dewatering for the utility construction excavations.
8. The construction water takings could be reduced or eliminated with the implementation of construction mitigation methods. Cut off walls or shoring caisson walls anchored into the underlying low permeability units could minimize or eliminate the amount of construction discharge associated with the two and a half levels of underground parking. Rib and lagging is another mitigation method that could be implemented to offer some resistance to seepage and minimize the construction water taking.
9. A MECP Permit To Take Water (PTTW) may be required for the PDS as the water takings are estimated to be more than 50,000 L/day. The steady state water takings should be determined based on the actual construction

water takings, which can be used to further evaluate and assess the long term drainage to the building PDS. The groundwater seepage to the PDS would need to be discharged to the City of Mississauga sewer system, or managed by other means. Approval from the City would also be required for long term discharge. If the underground parking is designed as a water tight structure, groundwater will not be collected, and groundwater management will not be required.

10. Based on the analytical results, the groundwater meets the Region of Peel Sanitary Sewer Use By-Law 0053-2010 discharge criteria. The groundwater does not meet the Region of Peel Storm Sewer Use By-Law 0053-2010 or the City of Mississauga Storm Sewer Use By-Law 0046-2022 discharge criteria.
11. A subsequent follow up visit to the Site to collect a second sample and analyzed with respect to total manganese and biological oxygen demand (BOD) to further assess the water quality. The second sample for total manganese and BOD will be compared to the Region of Peel sanitary and storm sewers and the City of Mississauga storm sewers discharge criteria to determine if the sewer use criteria can be met.
12. It is anticipated that pre-treatment such as, settlement, filtration and other treatment processes will be required prior to discharge. Additional sample collection will be required from the construction water takings prior to discharge to the city storm sewer or land drainage to confirm acceptable discharge quality. Treatment methods will need to be assessed to determine if the discharge can be treated to meet the storm sewer use criteria.
13. Construction water collected from the property is anticipated to be discharged to the City of Mississauga storm sewer (with treatment) pending approval. A City of Mississauga Sewer Use discharge permit will be required prior to discharge to the sewer.

All of Which is Respectfully Submitted,  
GHD



Michael McKerrall, P. Geo.



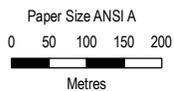
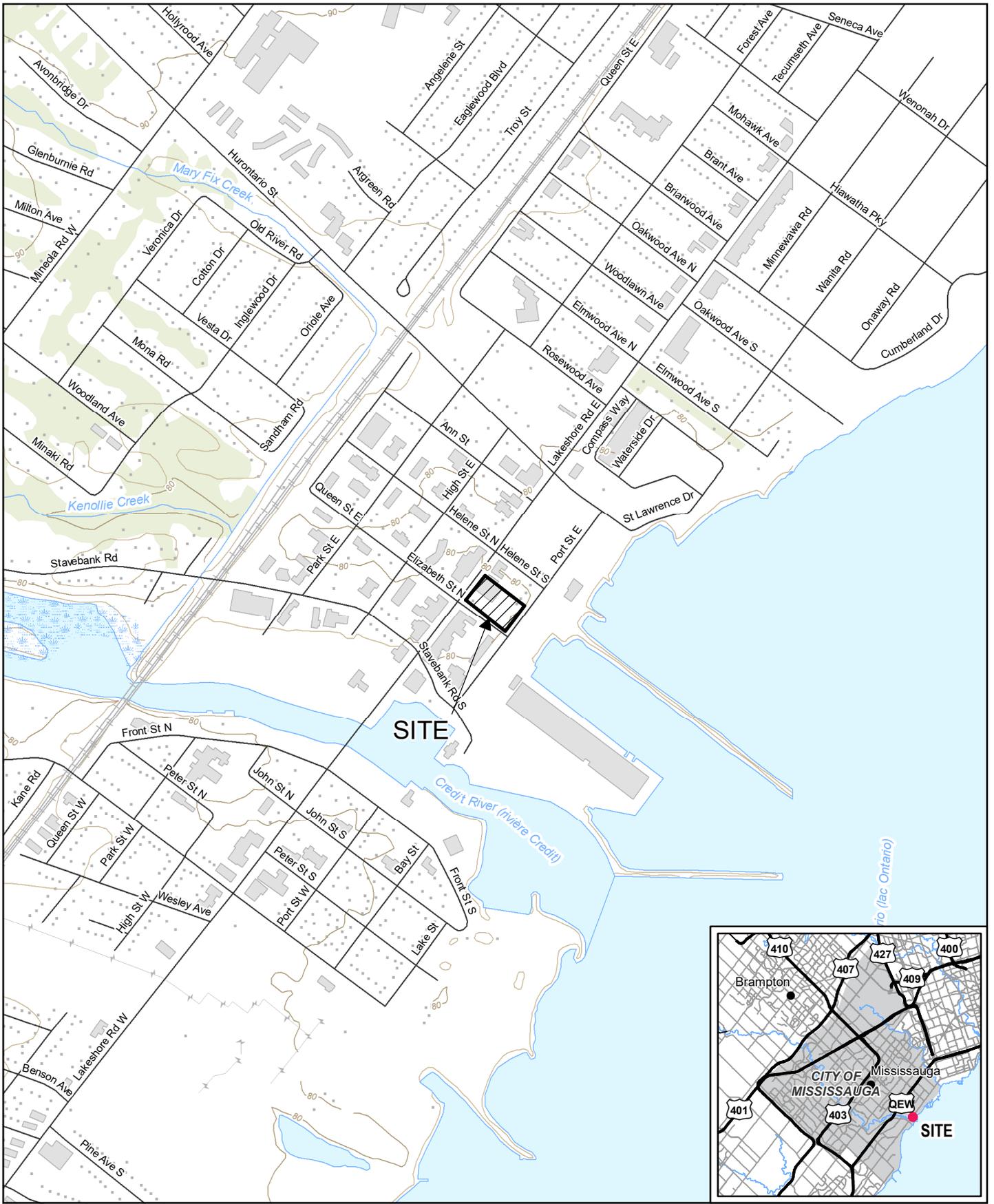
Philip Smart, M. Sc., P. Geo.



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# Figures



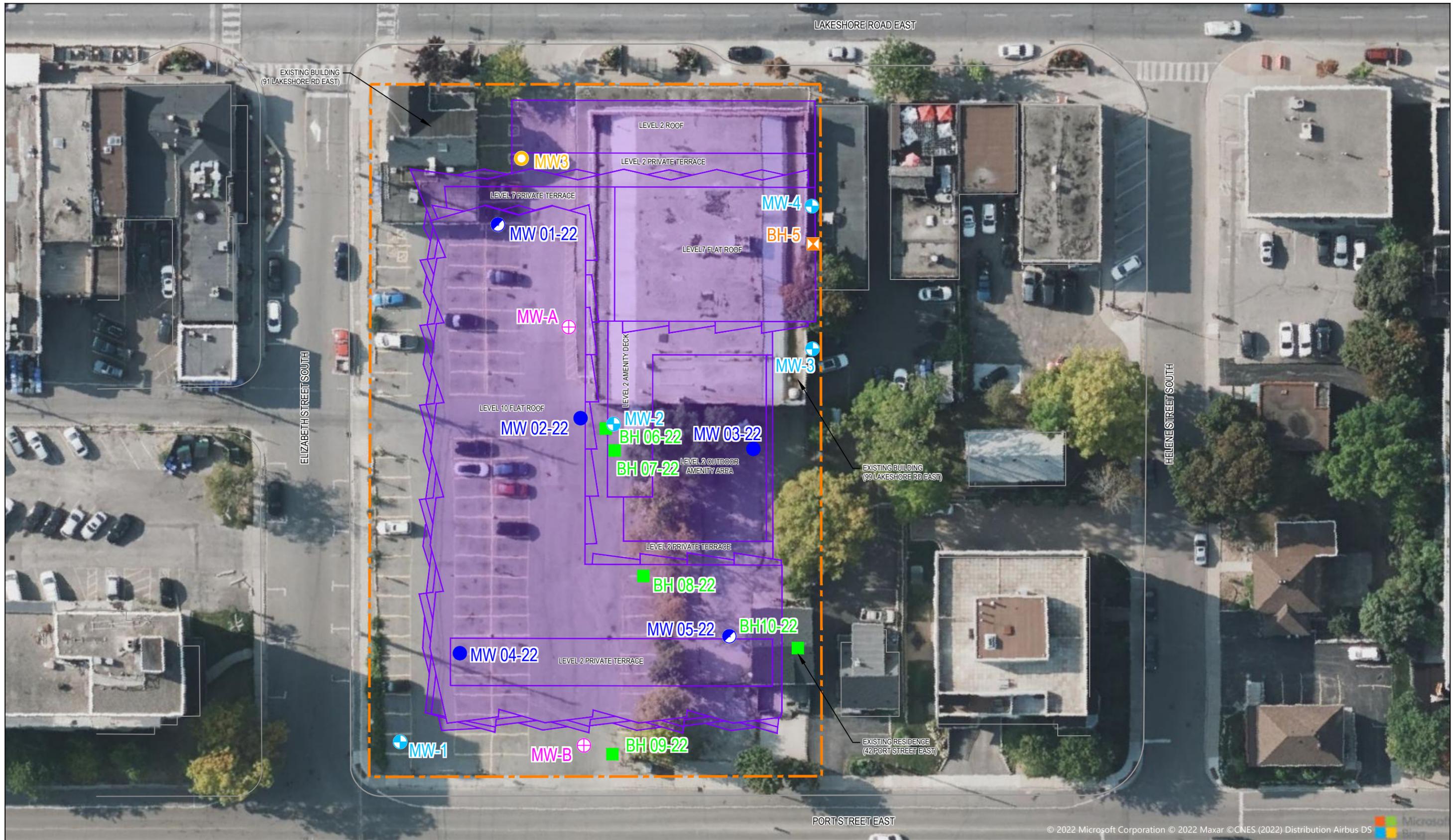
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 PORT CREDIT, ONTARIO  
 HYDROGEOLOGICAL ASSESSMENT

Project No. 12590583  
 Revision No. -  
 Date Nov 2, 2022

Map Projection: Transverse Mercator  
 Horizontal Datum: North American 1983  
 Grid: NAD 1983 UTM Zone 17N

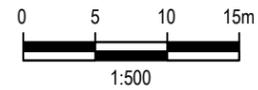
**SITE LOCATION MAP**

**FIGURE 1.1**



**LEGEND**

- DUE DILIGENCE BOUNDARY
- PROPOSED BUILDING LAYOUT
- ✕ PINCHIN BOREHOLE (2010)
- MONITORING WELL LOCATION (GHD, SEPTEMBER 2022)
- ⊕ MONITORING WELL WITH BEDROCK CORING (GHD, SEPTEMBER 2022)
- MONITORING WELL BY OTHERS (2013)
- OVERBURDEN BOREHOLE LOCATION (GHD, SEPTEMBER 2022)
- ⊕ MONITORING WELL BY OTHERS (UNKNOWN)

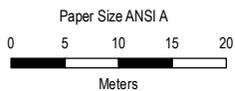


**INVESTIGATIVE LOCATION MAP**  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
 PORT CREDIT, MISSISSAUGA

Project No. 12590583  
 Date October 2022

**SITE PLAN**

**FIGURE 1.2**



Map Projection: Transverse Mercator  
 Horizontal Datum: North American 1983  
 Grid: NAD 1983 UTM Zone 17N

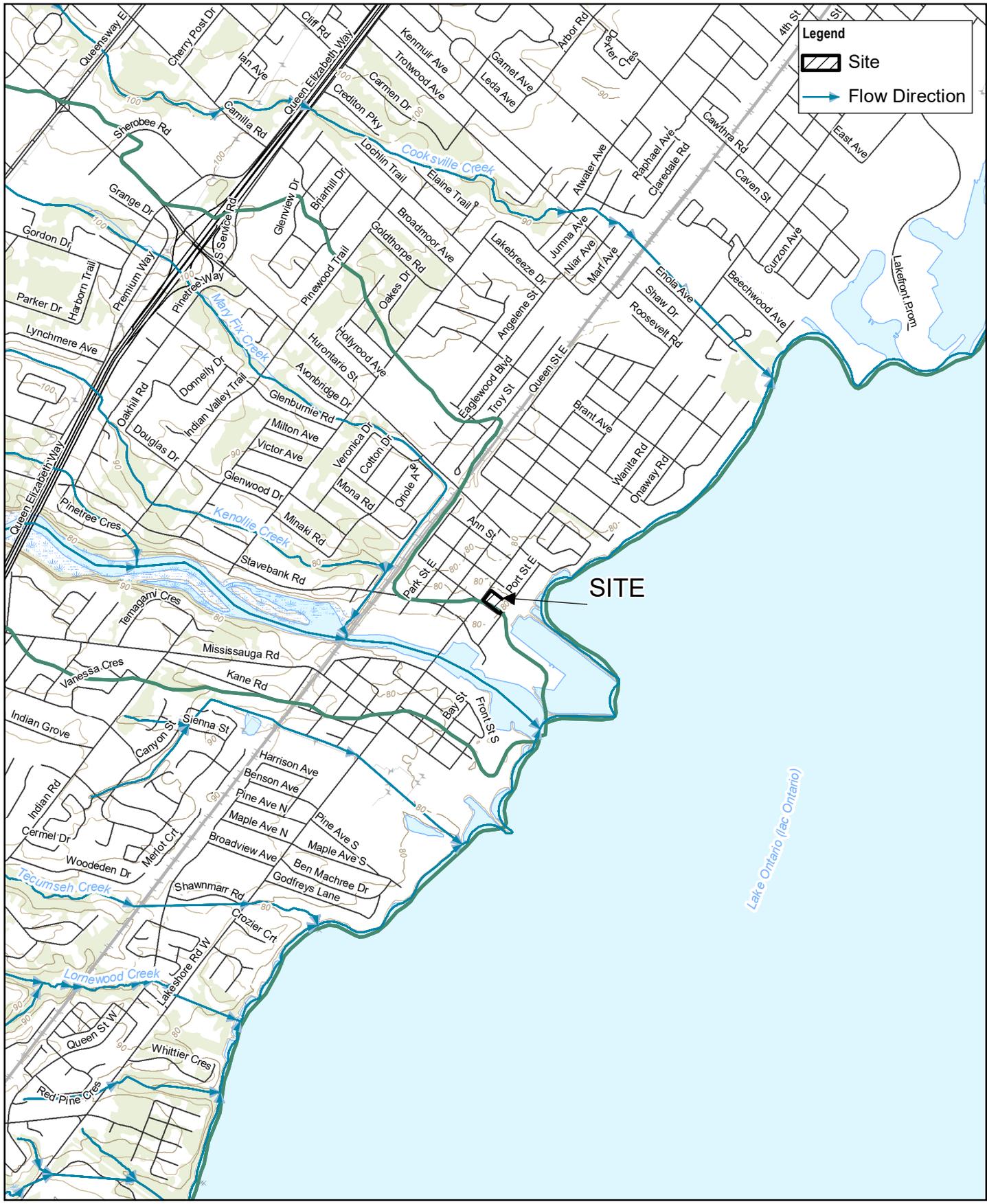


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 PORT CREDIT, ONTARIO  
 HYDROGEOLOGICAL ASSESSMENT

Project No. 12590583  
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**LAND USE (AERIAL IMAGE)**

**FIGURE 2.1**

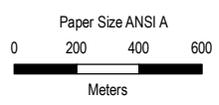


**Legend**

- Site
- Flow Direction

**SITE**

Lake Ontario (lac Ontario)

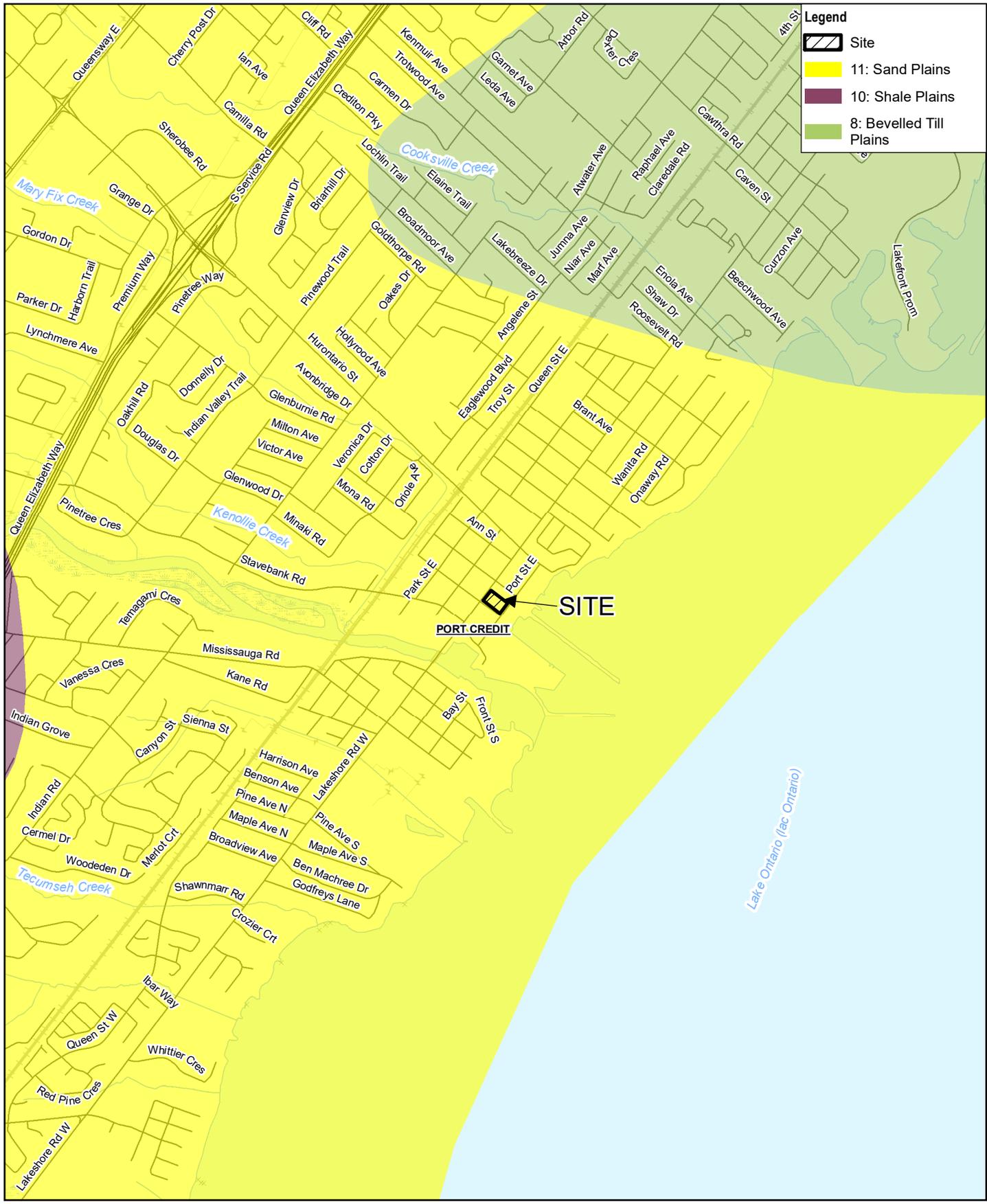


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 HYDROGEOLOGICAL ASSESSMENT

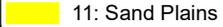
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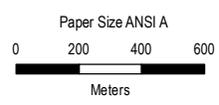
**SURFACE WATER FLOW DIRECTION**

**FIGURE 2.2**



**Legend**

-  Site
-  11: Sand Plains
-  10: Shale Plains
-  8: Bevelled Till Plains



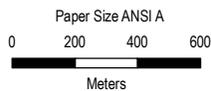
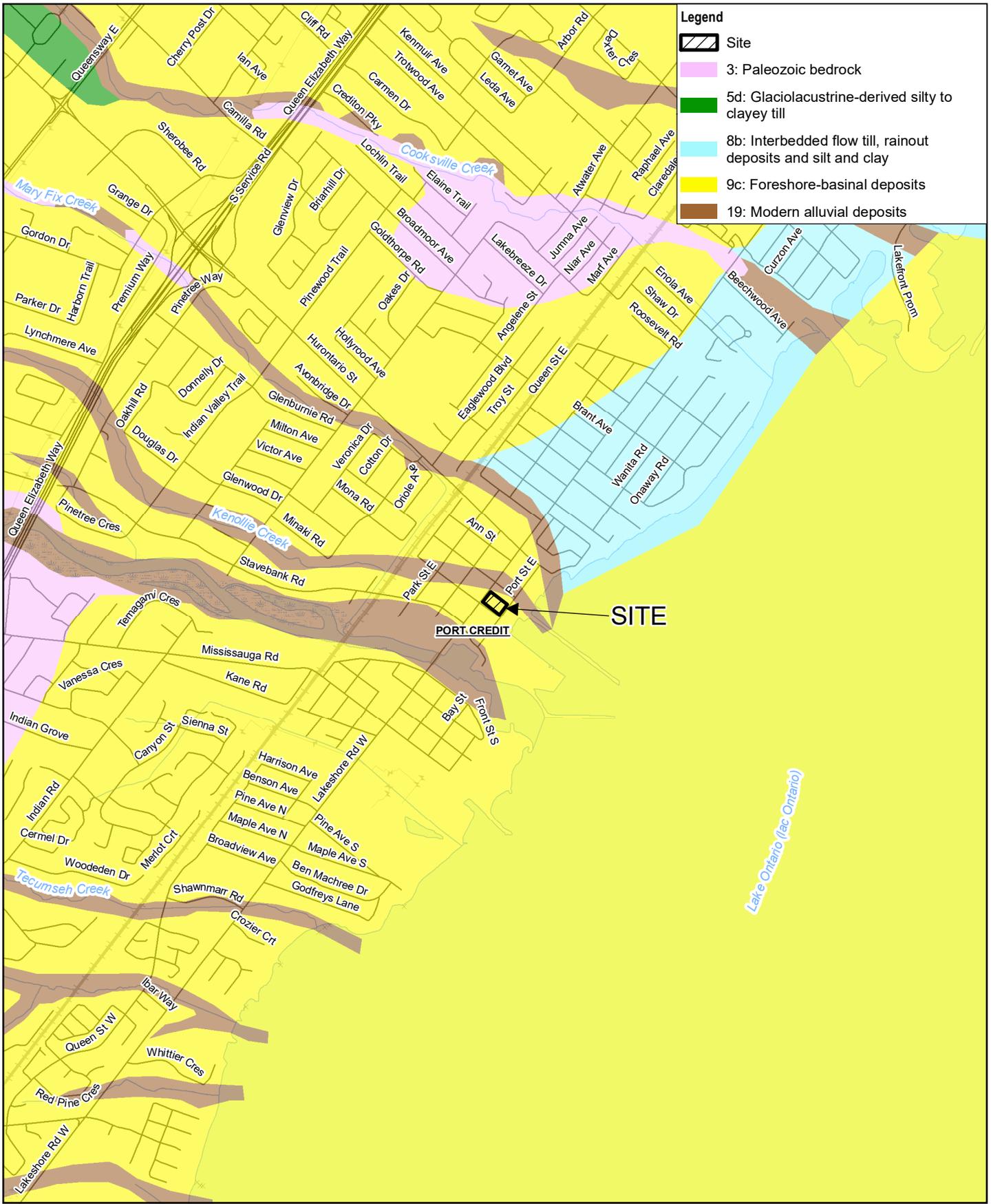
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**PORT CREDIT, ONTARIO**  
**HYDROGEOLOGICAL ASSESSMENT**

Project No. 12590583  
 Revision No. -  
 Date Nov 2, 2022

Map Projection: Transverse Mercator  
 Horizontal Datum: North American 1983  
 Grid: NAD 1983 UTM Zone 17N

**PHYSIOGRAPHY**

**FIGURE 2.3**



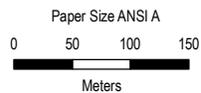
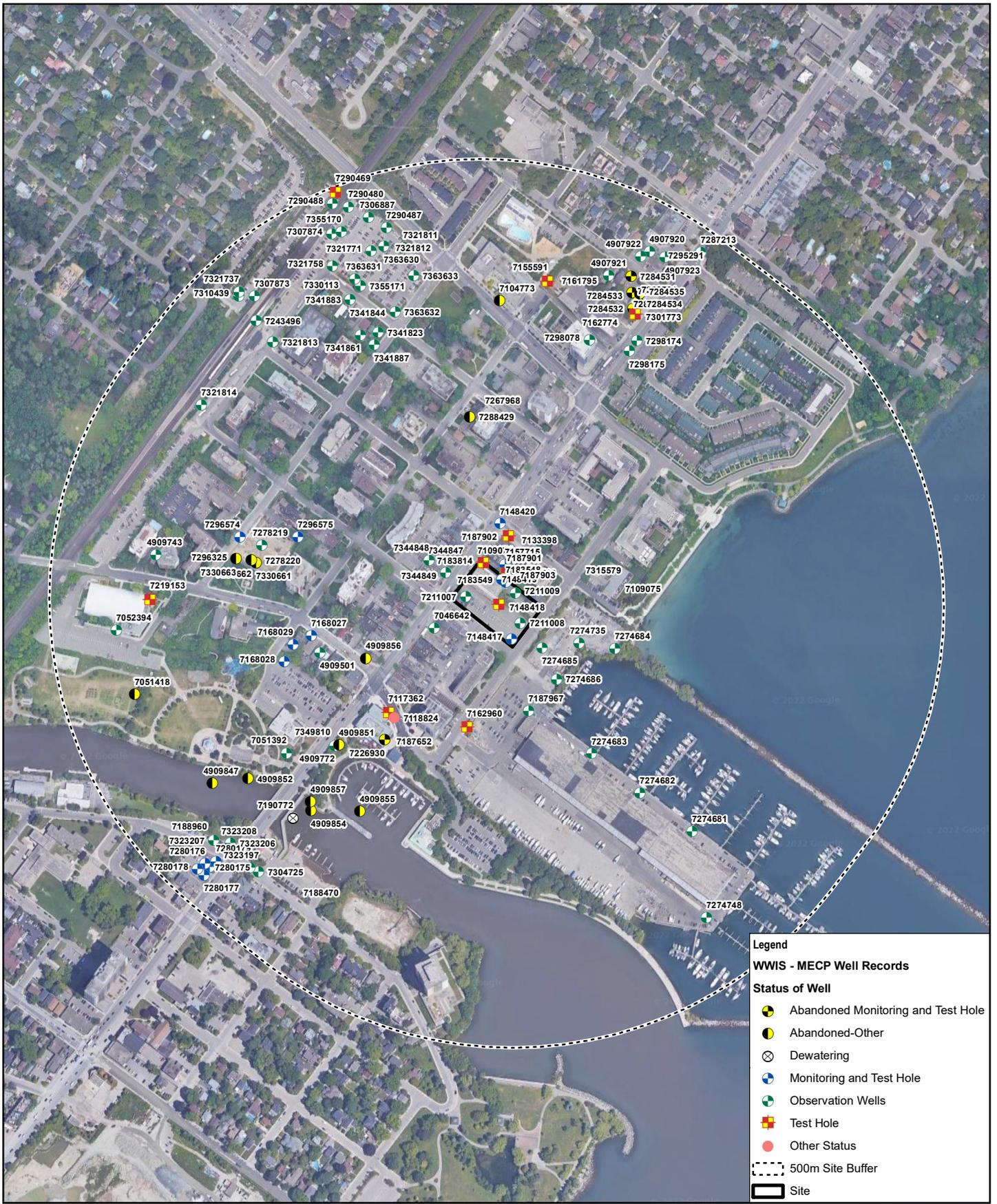
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Grid: NAD 1983 UTM Zone 17N

**SURFICIAL GEOLOGY**

**FIGURE 2.4**



Map Projection: Transverse Mercator  
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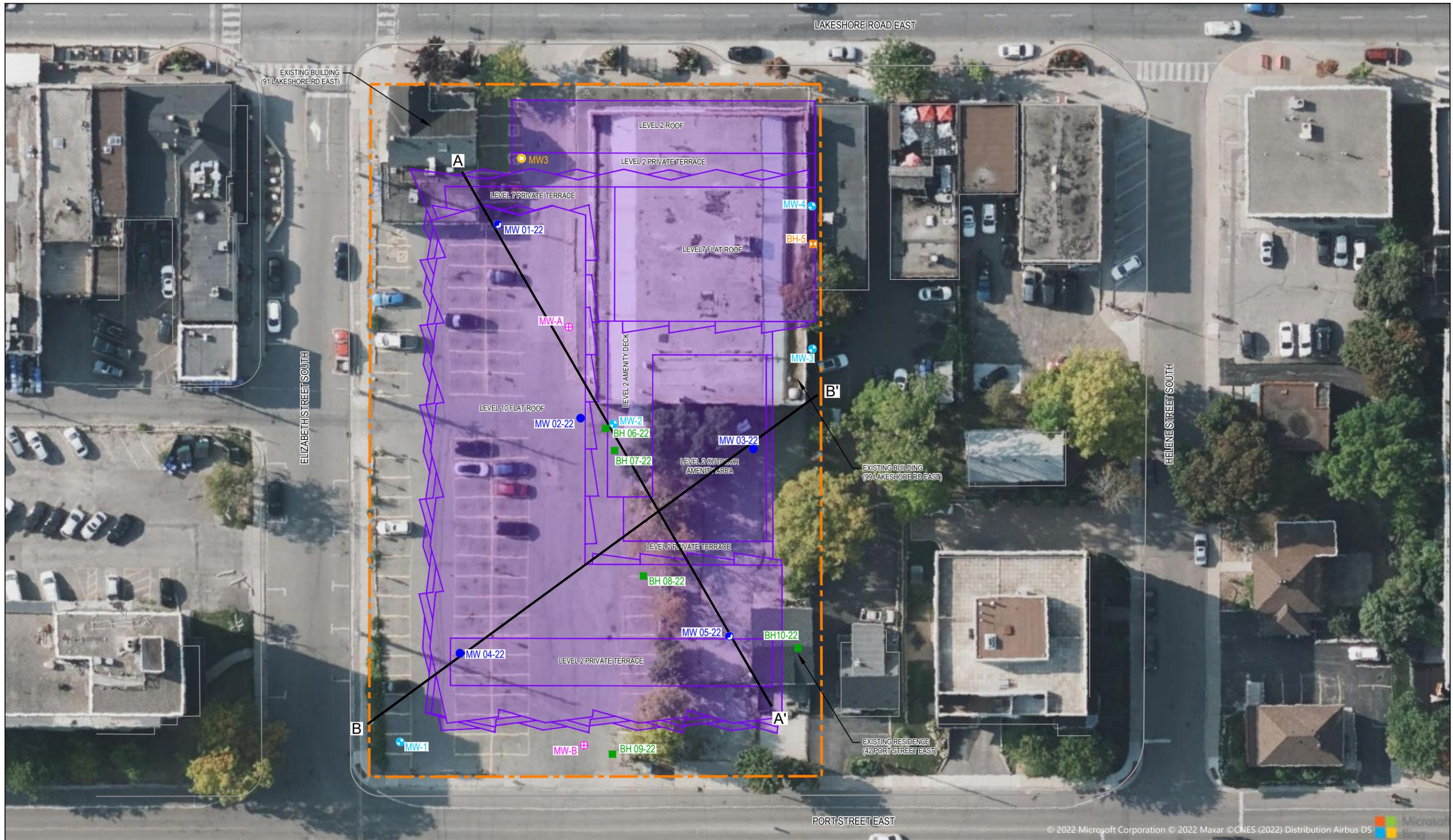


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HYDROGEOLOGICAL ASSESSMENT

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Date Nov 2, 2022

**MECP WATER WELL RECORDS**

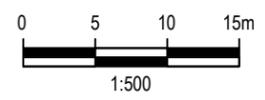
**FIGURE 2.5**



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**LEGEND**

- DUE DILIGENCE BOUNDARY
- PROPOSED BUILDING LAYOUT
- A — A'** LOCATION OF CROSS-SECTION
- PINCHIN BOREHOLE (2010)
- MONITORING WELL LOCATION (GHD, SEPTEMBER 2022)
- ⊕ PINCHIN EXISTING MONITORING WELL (2010)
- ⊙ MONITORING WELL WITH BEDROCK CORING (GHD, SEPTEMBER 2022)
- MONITORING WELL BY OTHERS (2013)
- OVERBURDEN BOREHOLE LOCATION (GHD, SEPTEMBER 2022)
- ⊕ MONITORING WELL BY OTHERS (UNKNOWN)

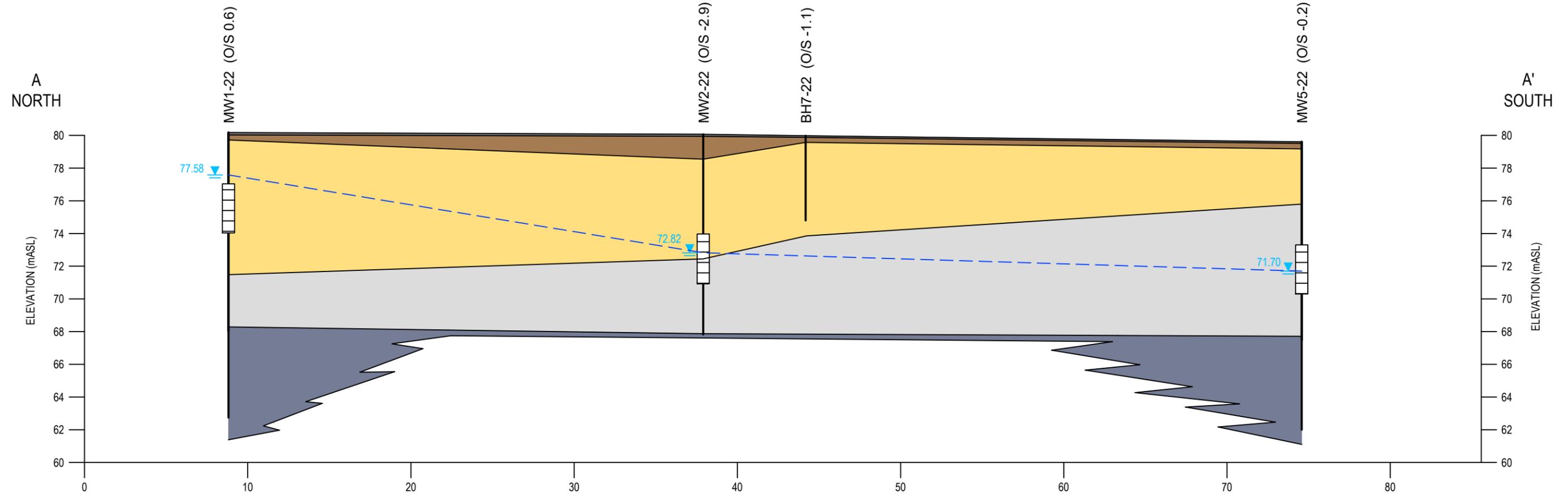


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 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.  
 PORT CREDIT, ONTARIO  
 HYDROGEOLOGICAL ASSESSMENT  
**BOREHOLE AND MONITORING  
 LOCATION PLAN**

Project No. 12590583  
 Date November 2022

**FIGURE 3.1**

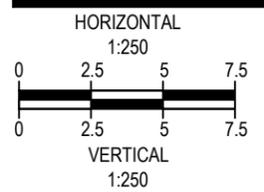
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**LEGEND**

- MW104-19
- WELL DESIGNATION
- GROUND SURFACE
- STRATIGRAPHIC BOUNDARY
- GROUNDWATER ELEVATION (mASL) (DATED OCTOBER 2022)
- SCREENED INTERVAL

- ASPHALT
- FILL
- SILT TO SILTY CLAY
- LEAN CLAY TO SANDY LEAN CLAY
- SHALE
- GROUNDWATER ELEVATION

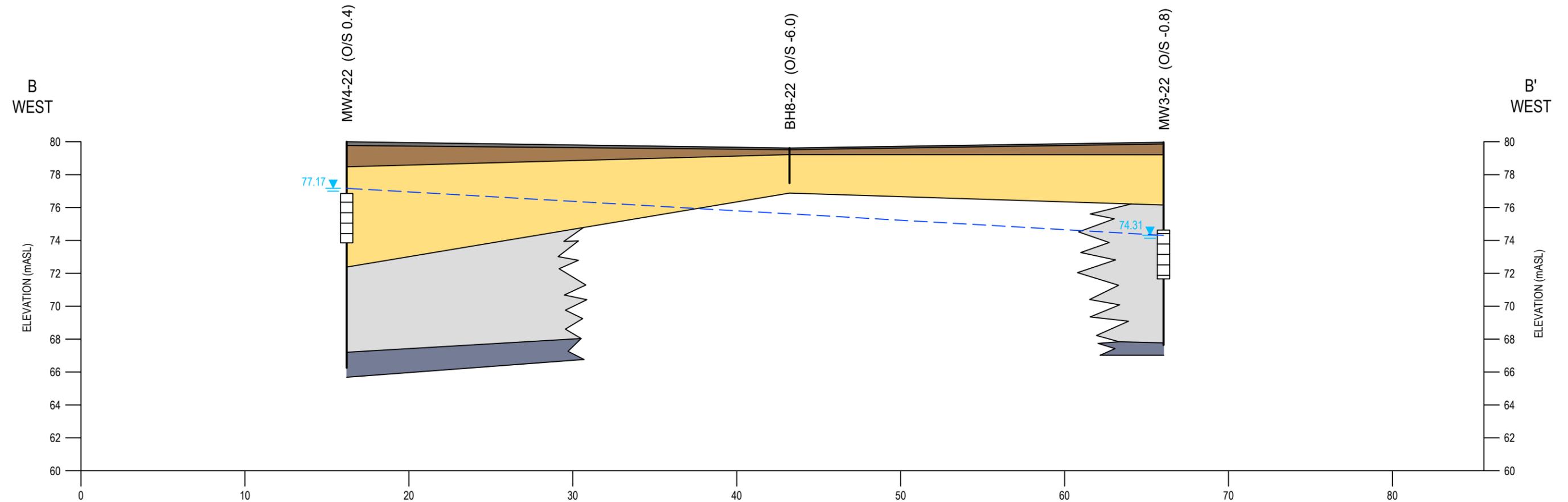


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PORT CREDIT, ONTARIO  
HYDROGEOLOGICAL ASSESSMENT

Project No. 12590583  
Date November 2022

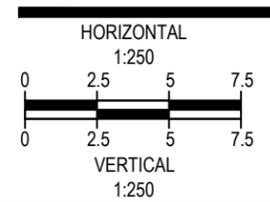
CROSS-SECTION A-A'

FIGURE 4.1



**LEGEND**

- MW104-19
- WELL DESIGNATION
- GROUND SURFACE
- STRATIGRAPHIC BOUNDARY
- GROUNDWATER ELEVATION (mASL) (DATED OCTOBER 2022)
- SCREENED INTERVAL
- ASPHALT
- FILL
- SILT TO SILTY CLAY
- LEAN CLAY TO SANDY LEAN CLAY
- SHALE
- GROUNDWATER ELEVATION

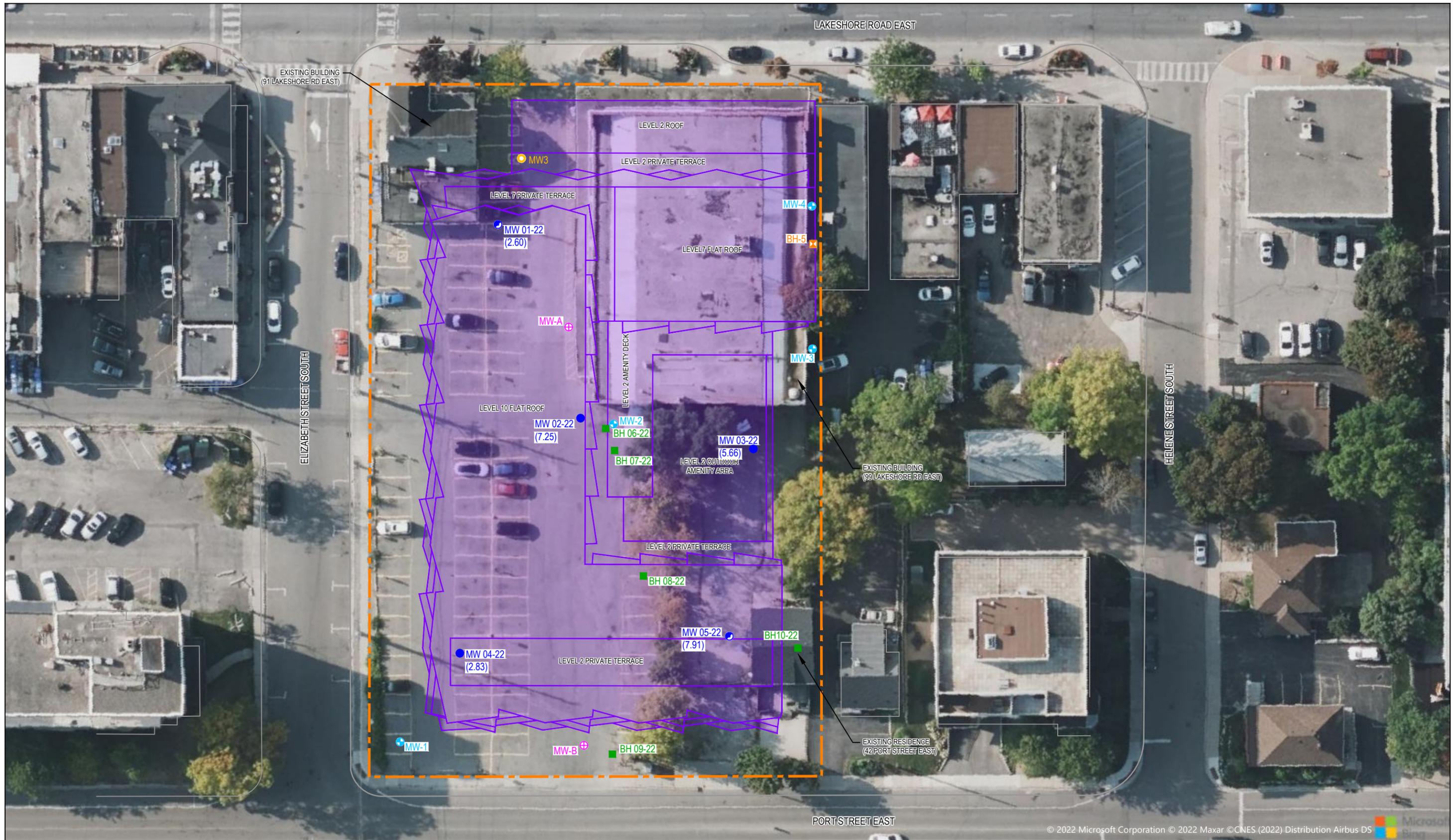


FRAM + SLOKKER  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.  
 PORT CREDIT, ONTARIO  
 HYDROGEOLOGICAL ASSESSMENT

Project No. 12590583  
 Date November 2022

**CROSS-SECTION B-B'**

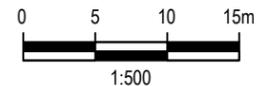
**FIGURE 4.2**



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**LEGEND**

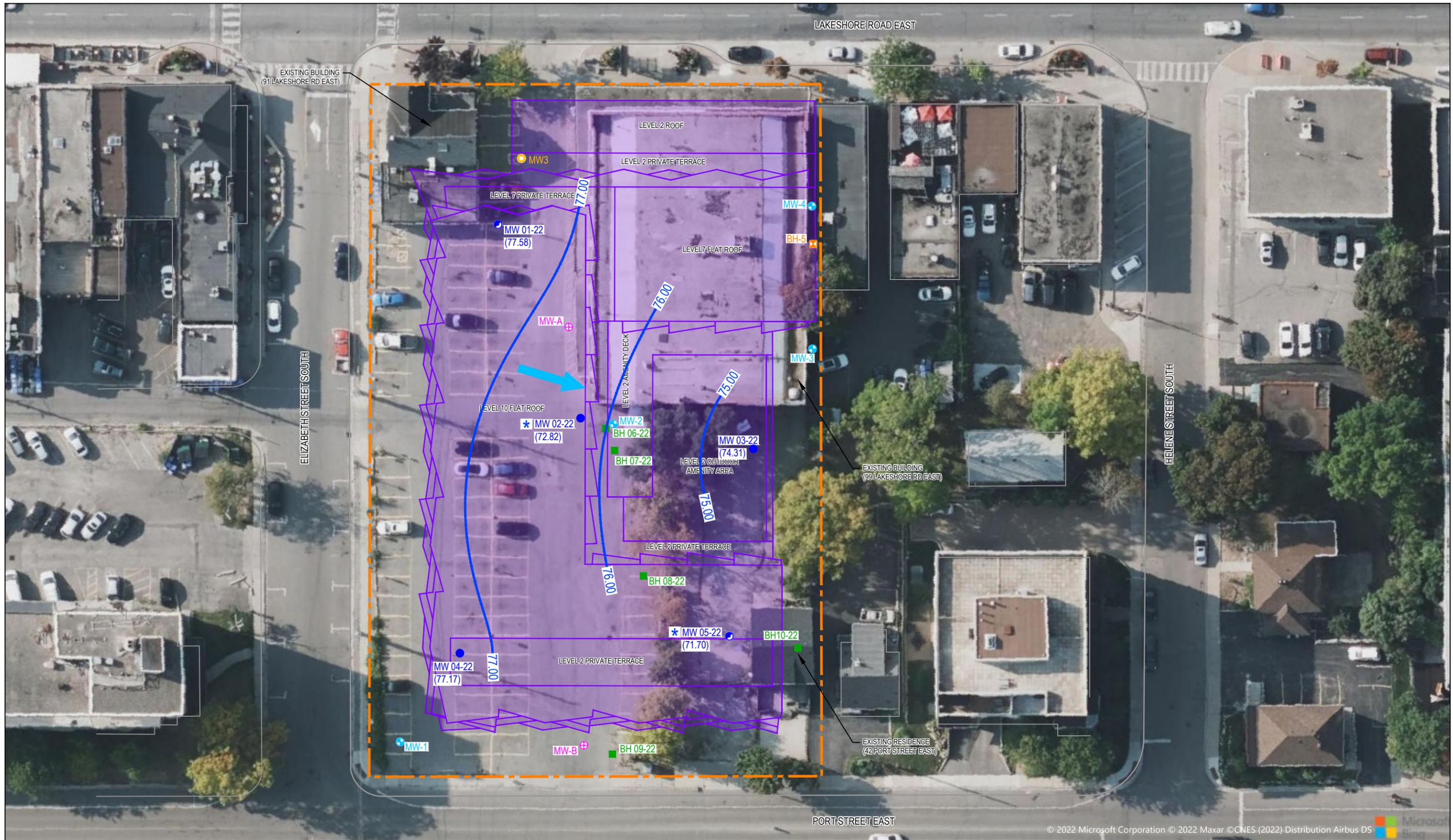
- DUE DILIGENCE BOUNDARY
- PROPOSED BUILDING LAYOUT
- PINCHIN BOREHOLE (2010)
- + PINCHIN EXISTING MONITORING WELL (2010)
- o MONITORING WELL BY OTHERS (2013)
- + MONITORING WELL BY OTHERS (UNKNOWN)
- MONITORING WELL LOCATION (GHD, SEPTEMBER 2022)
- ⊙ MONITORING WELL WITH BEDROCK CORING (GHD, SEPTEMBER 2022)
- OVERBURDEN BOREHOLE LOCATION (GHD, SEPTEMBER 2022)
- (2.60) DEPTH TO WATER TABLE (mBGS)
- mBGS METRES BELOW GROUND SURFACE



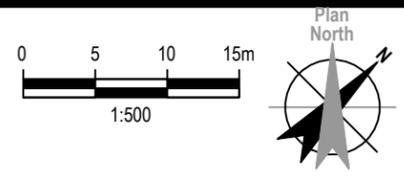
**FRAM + SLOKKER**  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.  
 PORT CREDIT, ONTARIO  
 HYDROGEOLOGICAL ASSESSMENT  
**DEPTH TO WATER TABLE**  
 (OCTOBER 27, 2022)

Project No. 12590583  
 Date November 2022

**FIGURE 4.3**



LEGEND	
	DUE DILIGENCE BOUNDARY
	PROPOSED BUILDING LAYOUT
	GROUNDWATER FLOW DIRECTION
	METRES ABOVE MEAN SEA LEVEL
	PINCHIN BOREHOLE (2010)
	PINCHIN EXISTING MONITORING WELL (2010)
	MONITORING WELL BY OTHERS (2013)
	MONITORING WELL BY OTHERS (UNKNOWN)
	NOT USED IN CONTOURING
	MONITORING WELL LOCATION (GHD, SEPTEMBER 2022)
	MONITORING WELL WITH BEDROCK CORING (GHD, SEPTEMBER 2022)
	OVERBURDEN BOREHOLE LOCATION (GHD, SEPTEMBER 2022)
	(77.58) GROUNDWATER ELEVATION (mAMS)
	-85.25- GROUNDWATER ELEVATION CONTOUR (mAMS)



FRAM + SLOKKER  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.  
 PORT CREDIT, ONTARIO  
 HYDROGEOLOGICAL ASSESSMENT  
**GROUNDWATER ELEVATIONS  
 CONTOURS (OCTOBER 27, 2022)**

Project No. 12590583  
 Date November 2022

**FIGURE 4.4**

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# Tables

Table 3.1

**Monitoring Well Completion Details**  
**Hydrogeological Assessment**  
**42 Port St E. 91-93, 99 Lakeshore Rd E, Mississauga, Ontario**  
**Proposed Residential Development - FRAM + Slokker**

Well ID	Date Installed	Easting	Northing	Ground Elevation (m AMSL)	Top of Riser Elevation (m AMSL)	Total Depth Drilled (m BGS)	Screened Interval				Sandpack Interval				Screened Material	
							(m BGS)		(m AMSL)		(m BGS)		(m AMSL)			
							Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom		
<b><u>MONITORING WELLS</u></b>																
MW01-22	26-Sep-22	614409.61	4823206.83	80.17	80.02	17.42	3.14	6.14	77.03	74.03	2.54	6.14	77.63	74.03	Silt Till, Trace to Some Clay	
MW02-22	20-Sep-22	614428.07	4823199.85	80.07	79.97	12.20	6.10	9.14	73.97	70.93	5.49	9.75	74.58	70.32	Lean Clay / Clayey Silt Till	
MW03-22	19-Sep-22	614455.98	4823216.55	79.97	79.86	12.30	5.33	8.30	74.63	71.67	4.72	9.14	75.25	70.83	Clay / Sandy Lean Clay	
MW04-22	21-Sep-22	614454.10	4823166.74	80.00	79.87	13.70	3.18	6.15	76.82	73.85	2.55	6.50	77.45	73.50	Silt, Trace Clay and Sand	
MW05-22	22-Sep-22	614474.80	4823198.20	79.61	79.51	17.60	6.30	9.30	73.31	70.31	5.70	10.00	73.91	69.61	Lean Clay, with Silt, trace Sand	
<b><u>Boreholes</u></b>																
BH06-22	27-Sep-22	614441.3	4823201.79	80.03	-	5.20	-	-	-	-	-	-	-	-	-	-
BH07-22	27-Sep-22	614444.52	4823200.95	79.98	-	5.20	-	-	-	-	-	-	-	-	-	-
BH08-22	27-Sep-22	614460.90	4823193.66	79.62	-	2.10	-	-	-	-	-	-	-	-	-	-
BH09-22	27-Sep-22	614478.11	4823175.31	79.32	-	2.10	-	-	-	-	-	-	-	-	-	-
BH10-22	27-Sep-22	614482.00	4823205.00	-	-	1.60	-	-	-	-	-	-	-	-	-	-

Notes: Surveyed by GHD personnell (Jack Ferenczy) on October 03, 2022.  
UTM18-NAD 83 (2010) CSRS  
Elevations were established using GPS equipment and transformed to CVGD 28 Datum.

Table 3.2

**Summary of Hydraulic Conductivity  
Hydrogeological Assessment  
42 Port St E. & 91-93, 99 Lakeshore Rd E, Mississauga, Ontario  
Monitoring Well Completion Details  
FRAM + Slokker**

Borehole ID	Geologic Unit (Screened):	Screen Depth (mBGS)	Hydraulic Conductivity (cm/s)		Method
			Falling	Rising	
<b><u>Silt to Silty Clay</u></b>					
MW1-22	Silty Clay, trace sand	3.14 - 6.14	9.52E-04	1.72E-03	Bouwer-Rice
			1.63E-03	2.87E-03	Hvorslev
MW4-22	Silt, trace sand	3.18 - 6.15	1.04E-03	2.77E-03	Bouwer-Rice
			1.37E-03	3.67E-03	Hvorslev
			<b>GEOMEAN</b>	<b>1.80E-03</b>	
<b><u>Sandy Lean Clay</u></b>					
MW2-22	Sandy Lean Clay, trace gravel	6.10 - 9.14	-	1.23E-05	Bouwer-Rice
MW3-22	Sandy Lean Clay, trace gravel	5.33 - 8.30	-	1.66E-05	Bouwer-Rice
MW5-22	Sandy Lean Clay, trace gravel	6.30 - 9.30	-	1.42E-05	Bouwer-Rice
			<b>GEOMEAN</b>	<b>1.43E-05</b>	

**Table 3.3**  
**Groundwater Levels (mBGS)**  
**Hydrogeological Assessment**  
**42 Port St E. & 91-93, 99 Lakeshore Rd E, Mississauga, Ontario**  
**Proposed Residential Development**  
**FRAM + Slokker**

	<b>MW01-22</b>	<b>MW02-22</b>	<b>MW03-22</b>	<b>MW04-22</b>	<b>MW05-22</b>
<b>Top of Riser (mAMSL)</b>	80.02	79.97	79.86	79.87	79.51
<b>Ground Surface (mAMSL)</b>	80.17	80.07	79.97	80.00	79.61
3-Oct-22	2.44	8.44	7.66	2.75	8.53
11-Oct-22	2.50	8.03	6.36	2.78	8.37
27-Oct-22	2.60	7.25	5.66	2.83	7.91

Notes:

- No data available
- mBGS metres below ground surface
- mAMSL metres above mean sea level

**Table 3.4**  
**Groundwater Elevations (mAMSL)**  
**Hydrogeological Assessment**  
**42 Port St E. & 91-93, 99 Lakeshore Rd E, Mississauga, Ontario**  
**Proposed Residential Development**  
**FRAM + Slokker**

	<b>MW01-22</b>	<b>MW02-22</b>	<b>MW03-22</b>	<b>MW04-22</b>	<b>MW05-22</b>
<b>Top of Riser (mAMSL)</b>	80.02	79.97	79.86	79.87	79.51
<b>Ground Surface (mAMSL)</b>	80.17	80.07	79.97	80.00	79.61
3-Oct-22	77.74	71.63	72.31	77.25	71.08
11-Oct-22	77.68	72.04	73.61	77.22	71.24
27-Oct-22	77.58	72.82	74.31	77.17	71.70

## Notes:

- No data available
- mBGS metres below ground surface
- mAMSL metres above mean sea level

Table 4.4

**Groundwater Analytical Results Summary**  
**Hydrogeological Assessment**  
**42 PORT ST E 91-93, 99 Lakeshore Rd E, Mississauga, Ontario**  
**FRAM + SLOKKER**

Sample Location:		MW4-22			
Sample ID:		GW-12590583-10-03-22-JB-MW4-22			
Sample Date:		10/03/2022			
field_sdg		WT2216519			
Parameters	Units	PEEL		MISSISSAUGA	
		Sanitary a	Storm b	Storm c	
<b>Volatile Organic Compounds</b>					
1,1,2,2-Tetrachloroethane	mg/L	1.4	0.017	-	ND(0.0005)
1,2-Dichlorobenzene	mg/L	0.05	0.0056	0.0056	ND(0.0005)
1,4-Dichlorobenzene	mg/L	0.08	0.0068	0.0068	ND(0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	8.0	-	-	ND(0.02)
Benzene	mg/L	0.01	0.002	0.002	ND(0.0005)
Chloroform (Trichloromethane)	mg/L	0.04	0.002	-	0.0027 <sup>b</sup>
cis-1,2-Dichloroethene	mg/L	4	0.0056	-	ND(0.0005)
Ethylbenzene	mg/L	0.16	0.002	0.002	ND(0.0005)
m&p-Xylenes	mg/L	-	-	-	ND(0.0004)
Methylene chloride	mg/L	2	0.0052	0.0052	0.001
o-Xylene	mg/L	-	-	-	ND(0.0003)
Styrene	mg/L	0.2	-	-	ND(0.0005)
Tetrachloroethene	mg/L	1	0.0044	0.0044	ND(0.0005)
Toluene	mg/L	0.27	0.002	0.002	ND(0.0005)
trans-1,3-Dichloropropene	mg/L	0.14	0.0056	-	ND(0.0003)
Trichloroethene	mg/L	0.4	0.008	0.0076	ND(0.0005)
Xylenes (total)	mg/L	1.4	0.0044	0.0044	ND(0.0005)
<b>Semi-Volatile Organic Compounds</b>					
1-Methylnaphthalene	mg/L	-	-	-	ND(0.00001)
2-Methylnaphthalene	mg/L	-	-	-	ND(0.00001)
Acenaphthene	mg/L	-	-	-	ND(0.00001)
Acenaphthylene	mg/L	-	-	-	ND(0.00001)
Anthracene	mg/L	-	-	-	ND(0.00001)
Benzo(a)anthracene	mg/L	-	-	-	ND(0.00001)
Benzo(a)pyrene	mg/L	-	-	-	ND(0.000005)
Benzo(b)fluoranthene/Benzo(j)fluoranthene	mg/L	-	-	-	ND(0.00001)
Benzo(g,h,i)perylene	mg/L	-	-	-	ND(0.00001)
Benzo(k)fluoranthene	mg/L	-	-	-	ND(0.00001)
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.012	0.0088	-	ND(0.002)
Chrysene	mg/L	-	-	-	ND(0.00001)
Dibenz(a,h)anthracene	mg/L	-	-	-	ND(0.000005)
Di-n-butylphthalate (DBP)	mg/L	0.08	0.015	-	ND(0.001)
Fluoranthene	mg/L	-	-	-	ND(0.00001)
Fluorene	mg/L	-	-	-	ND(0.00001)
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND(0.00001)
Naphthalene	mg/L	-	-	-	ND(0.00005)
Nonyl phenol	mg/L	0.02	-	-	ND(0.001)
Nonyl phenol diethoxylates	mg/L	-	-	-	ND(0.0001)
Nonyl phenol ethoxylate (total)	mg/L	0.2	-	-	ND(0.002)
Nonyl phenol monoethoxylates	mg/L	-	-	-	ND(0.002)
Phenanthrene	mg/L	-	-	-	ND(0.00002)
Pyrene	mg/L	-	-	-	ND(0.00001)
Total PAH	mg/L	-	-	0.002	ND(0.00007)
<b>Total Metals</b>					
Aluminum	mg/L	50	-	1	0.0416
Antimony	mg/L	5	-	-	ND(0.00100)
Arsenic	mg/L	1	0.02	0.02	0.00367
Cadmium	mg/L	0.7	0.008	0.008	0.0000883
Chromium	mg/L	5	0.08	0.08	ND(0.00500)
Chromium VI (hexavalent)	mg/L	-	-	0.04	ND(0.00050)
Cobalt	mg/L	5	-	-	0.00498
Copper	mg/L	3	0.05	0.04	ND(0.00500)
Lead	mg/L	3	0.120	0.12	ND(0.000500)
Manganese	mg/L	5	0.05	2.0	2.04 <sup>bc</sup>
Mercury	mg/L	0.01	0.0004	0.0004	ND(0.0000050)
Molybdenum	mg/L	5	-	-	0.0103
Nickel	mg/L	3	0.08	0.08	0.0132
Selenium	mg/L	1	0.02	0.02	ND(0.000500)
Silver	mg/L	5	0.12	0.12	ND(0.000100)
Sulfur	mg/L	-	-	-	76.8
Tin	mg/L	5	-	-	ND(0.00100)
Titanium	mg/L	5	-	-	ND(0.00300)
Zinc	mg/L	3	0.04	0.2	ND(0.0300)
<b>Dissolved Metals</b>					
Aluminum (dissolved)	mg/L	-	-	1	ND(0.0100)
Antimony (dissolved)	mg/L	-	-	-	ND(0.00100)
Arsenic (dissolved)	mg/L	-	-	0.02	0.00358
Barium (dissolved)	mg/L	-	-	-	1.10
Beryllium (dissolved)	mg/L	-	-	-	ND(0.000200)
Bismuth (dissolved)	mg/L	-	-	-	ND(0.000500)
Boron (dissolved)	mg/L	-	-	-	0.176
Cadmium (dissolved)	mg/L	-	-	0.008	ND(0.0000500)
Caesium (dissolved)	mg/L	-	-	-	ND(0.000100)
Calcium (dissolved)	mg/L	-	-	-	402
Chromium (dissolved)	mg/L	-	-	0.08	ND(0.00500)
Cobalt (dissolved)	mg/L	-	-	-	0.00373
Copper (dissolved)	mg/L	-	-	0.04	ND(0.00200)

**Groundwater Analytical Results Summary**  
**Hydrogeological Assessment**  
**42 PORT ST E 91-93, 99 Lakeshore Rd E, Mississauga, Ontario**  
**FRAM + SLOKKER**

Sample Location:		MW4-22			
Sample ID:		GW-12590583-10-03-22-JB-MW4-22			
Sample Date:		10/03/2022			
field_sdg		WT2216519			
Parameters	Units	PEEL		MISSISSAUGA	
		Sanitary	Storm	Storm	
Iron (dissolved)	mg/L	-	-	-	0.104
Lead (dissolved)	mg/L	-	-	0.12	ND(0.000500)
Lithium (dissolved)	mg/L	-	-	-	0.0523
Magnesium (dissolved)	mg/L	-	-	-	116
Manganese (dissolved)	mg/L	-	-	2.0	1.50
Molybdenum (dissolved)	mg/L	-	-	-	0.0124
Nickel (dissolved)	mg/L	-	-	0.08	0.0114
Phosphorus (dissolved)	mg/L	-	-	0.4	ND(0.500)
Potassium (dissolved)	mg/L	-	-	-	15.9
Rubidium (dissolved)	mg/L	-	-	-	0.00744
Selenium (dissolved)	mg/L	-	-	0.02	ND(0.000500)
Silicon (dissolved)	mg/L	-	-	-	7.97
Silver (dissolved)	mg/L	-	-	0.12	ND(0.000100)
Sodium (dissolved)	mg/L	-	-	-	979
Strontium (dissolved)	mg/L	-	-	-	3.38
Tellurium (dissolved)	mg/L	-	-	-	ND(0.00200)
Thallium (dissolved)	mg/L	-	-	-	ND(0.000100)
Thorium (dissolved)	mg/L	-	-	-	ND(0.00100)
Tin (dissolved)	mg/L	-	-	-	ND(0.00100)
Titanium (dissolved)	mg/L	-	-	-	ND(0.00300)
Tungsten (dissolved)	mg/L	-	-	-	ND(0.00100)
Uranium (dissolved)	mg/L	-	-	-	0.0146
Vanadium (dissolved)	mg/L	-	-	-	ND(0.00500)
Zinc (dissolved)	mg/L	-	-	0.2	ND(0.0100)
Zirconium (dissolved)	mg/L	-	-	-	ND(0.00300)
<b>PCBs</b>					
Aroclor-1016 (PCB-1016)	mg/L	-	-	-	ND(0.00002)
Aroclor-1221 (PCB-1221)	mg/L	-	-	-	ND(0.00002)
Aroclor-1232 (PCB-1232)	mg/L	-	-	-	ND(0.00002)
Aroclor-1242 (PCB-1242)	mg/L	-	-	-	ND(0.00002)
Aroclor-1248 (PCB-1248)	mg/L	-	-	-	ND(0.00002)
Aroclor-1254 (PCB-1254)	mg/L	-	-	-	ND(0.00002)
Aroclor-1260 (PCB-1260)	mg/L	-	-	-	ND(0.00002)
Aroclor-1262 (PCB-1262)	mg/L	-	-	-	ND(0.00002)
Aroclor-1268 (PCB-1268)	mg/L	-	-	-	ND(0.00002)
Total PCBs	mg/L	0.001	0.0004	0.0004	ND(0.00006)
<b>General Chemistry</b>					
Biochemical oxygen demand (BOD)	mg/L	-	-	15	19.0 <sup>c</sup>
Biochemical oxygen demand (carbonaceous)	mg/L	-	-	-	17.9
Chlorine	mg/L	-	-	1	ND(0.050)
Cyanide (total)	mg/L	2	0.02	0.02	ND(0.0020)
Escherichia coli	cfu/100mL	-	200	200	4
Fecal coliform bacteria	cfu/100mL	-	-	-	ND(1) NR
Fluoride	mg/L	10	-	-	ND(0.200)
Mineral oil and grease	mg/L	-	-	-	ND(5.0)
Oil and grease	mg/L	-	-	-	ND(5.0)
Oil and grease, animal and vegetable	mg/L	150	-	-	ND(5)
pH, lab	s.u.	5.5-10	6.0-9.0	6.0-9.0	7.51
Phenolics (total)	mg/L	1.0	0.008	0.008	0.0016
Phosphorus	mg/L	-	-	0.4	0.0496
Sulfate (dissolved)	mg/L	1500	-	-	284
Total kjeldahl nitrogen (TKN)	mg/L	100	1	1	0.470
Total suspended solids (TSS)	mg/L	350	15	15	ND(3.0)

## Footnotes:

ND - Not detected at the associated reporting limit.

# Appendices

# **Appendix A**

## **Field Methodology and Protocols**

# **Appendix A**      **Field Investigation Methodology and Protocols**

## ***Utility Locates***

Prior to initiating the subsurface investigation activities, all applicable utility companies (gas, telephone, network cables, pipelines and sewers) were contacted through Ontario One-Call. Also, a private utility locator was utilized to demarcate the location of the respective underground utilities to ensure the lines were not damaged during the investigation work.

## ***Health and Safety***

A Site-specific Health and Safety Plan (HASP) outlining specific job tasks and their related hazards was prepared and implemented by GHD prior to initiating field activities. The HASP presents the visually observed Site conditions and identifies potential physical hazards to field personnel. All GHD field and project staff working on and/or visiting the site were required to sign the HASP to document their knowledge of the potential hazards while on-site.

All drilling activities were conducted under Level D Personal Protective Equipment (PPE), which consisted of protective gloves, hard hats, safety glasses, safety boots and reflective vests at all times.

## ***Soil Classification***

The soil was logged using the Unified Soil Classification System (USGS), making special note of any visual or olfactory evidence of potential impacts.

## ***Monitoring Well Installation***

Monitoring wells were installed in selected boreholes by the licensed water well drillers consistent with Regulation 903 – Wells. GHD technical staff supervised the monitoring well construction and well development to ensure conformance with GHD's Standard Operating Procedures.

The monitoring wells were constructed with 2-inch (~50 mm) Schedule 40 PVC screen and casing. The screen length used for the monitoring wells was 1.5 or 3.0 metres on average and pre-slotted (No. 10 slot). The annular space between the monitoring well screen and surrounding geological formation were backfilled with No. 3 grade silica sand to an average height of 0.6 metres above the top of the screen. The remaining annular space was backfilled with bentonite. Some monitoring wells were installed with minor alteration to the above installation details, due to the specific conditions encountered.

To complete the instrumentation, an expandable J-plug was installed on the riser style casing to cover the top of the riser pipe to protect against debris falling into the well and surface runoff infiltration. All wells were installed in a flushmount or monument configuration with concrete collar around the protective casing. Each groundwater monitoring well was instrumented with dedicated sampling equipment consisting of polyethylene tubing and Waterra foot valves for monitoring well development and installation.

## ***Monitoring Well Development***

Subsequent to the monitoring well installation, each well was developed to ensure hydraulic connection with the screened hydrostratigraphic unit. A hydraulic connection ensures that groundwater levels and samples are representative of the subsurface condition. Development also aids in achieving low-turbidity samples.

The wells were developed using dedicated 5/8" (~16 mm) diameter polyethylene tubing with a Waterra foot valve. Well development activities were undertaken until purged water was clear. In cases where a well was purged dry before sufficient development, the well water level was allowed to recover before continuing.

### **Surveying**

Subsequent to installation, all wells and boreholes were surveyed for vertical and lateral control, and for water table elevation reference, using a geodetic benchmark to tie in vertical elevations relative to metres above mean sea level (mAMSL) at the Site. The ground surface and top of riser pipe elevation of each of well were surveyed with respect to this benchmark.

### **Water Level Measurements**

The measurement of groundwater levels in monitoring wells was required during the hydrogeological investigation in order to determine the presence and depth of groundwater. Water level measurements were used to determine: hydraulic head, hydraulic gradients and the direction of groundwater flow.

Since many decisions concerning the vertical and horizontal flow of groundwater through various types of geologic conditions depend on groundwater/fluid measurements, the accuracy of the measurements made at an appropriate level of precision is very important. Typically, the precision required is 1 mm, and the equipment employed had measurement resolution at this level.

Manual groundwater level measurements were measured using a Solinst water level meter.

Measurements were obtained by lowering the electrode, attached to a graduated polyethylene tape, slowly into the well until the indicator sounded. To ensure accuracy, all fluid level readings were double-checked in the field when recorded.

In order to provide reliable data, each round of water level measurements was collected over as short a period of time as possible. Barometric pressure can affect groundwater levels and, therefore, observation of significant weather changes during the period of water level measurements was noted. Rainfall events and groundwater pumping can also affect groundwater level measurements. Personnel collecting water level data noted if any of these controls are in effect during the groundwater level collection period.

### **Groundwater Sampling**

Prior to initiating groundwater sample collection, the wells were purged of the standing stagnant groundwater volume using a dedicated Waterra foot valve and polyethylene tubing. Purging was performed until the water in the well was representative of the actual conditions in the hydrostratigraphic unit. Stabilization was achieved by the removal of at least three times the volume of standing water in the well. Purging was considered complete once purged groundwater field parameters including conductivity, temperature and pH were stable. Stabilization was achieved when field measurements for conductivity and temperature were within a range of plus or minus 10 percent of the average for the last three readings and field measurements for pH were within a range of plus or minus 0.1 pH unit of the average for the last three readings.

The wells were purged using dedicated inertial pumps. In the event of a slowly recharging well, the well was pumped dry to ensure all standing water was removed from the sand pack and then allowed to recover prior to sample collection.

In the event of a well with groundwater that contains a high amount of silt or sediment after well development, a 0.75"x36" PVC water bailer was used to collect the water.

Water samples were collected directly from the dedicated tubing or bailer to laboratory supplied sample containers. Samples were relinquished to an accredited analytical laboratory under Chain of Custody protocols.

### **Single Well Response Tests**

Single well response tests (SWRT) were completed in selected monitoring well installations to determine the hydraulic conductivity of the screened geologic formation. The SWRT consisted of falling head tests (slug tests), and rising head tests (recovery tests) as described in the sections below.

#### **1.1 Falling Head Test (Slug Test)**

The slug test involves causing a sudden change in water level in a well and measuring the water level response within that well. Water level change may be induced by suddenly injecting or emplacing a known quantity or "slug" into the well. The slug can water or solid (stainless steel, polyvinyl chloride). A detailed description of the procedure is provided, as follows:

- i) The static water level was determined prior to any testing of the well.
- ii) A datalogger, programmed to measure water pressure at an appropriate interval (eg. 5 seconds), was installed in the well at a known depth.
- iii) A slug of known dimensions was set in place just above the static water level.
- iv) The slug was then released instantaneously until it was completely submerged in the water column.
- v) After the initial positive displacement of the water column, water levels were monitored manually.
- vi) When the water level reached approximately 90 percent of the original observed (static) water level, the slug was then rapidly removed from the water column to initiate a "rising-head" test.

#### **1.2 Rising Head Test (Recovery Test)**

The recovery test also involves causing a sudden change in water level in a well and measuring the water level response within that well. Water level change may be induced by suddenly removing a known quantity or "slug" out of the well. The slug is usually a stainless steel or polyvinyl chloride rod.

Recovery tests were carried out after the slug tests described above. Water level monitoring continued until the water level was within 10 percent of the original static level.

# Appendix B

## Stratigraphy Logs



**BOREHOLE No.:** MW1-22  
**ELEVATION:** 80.2 m

**BOREHOLE REPORT**

CLIENT: FRAM + Slokker

PROJECT: Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
 LOCATION: PORT CREDIT, MISSISSAUGA

DESCRIBED BY: J.B. CHECKED BY: M.M.

DATE (START): 23 September 2022 DATE (FINISH): 24 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

NORTHING: 4823206.83 EASTING: 614409.61

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Grain Size/ Hydrometer Comments	Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	N <sub>v</sub> Value/ SCR(%)	Piezometer/ Standpipe Installation									
											Gravel	Sand	Silt	Clay	%	KN/m <sup>3</sup>	%	%	10	20
0	80.2		GROUND SURFACE								10 20 30 40 50 60 70 80 90									
0.2	80.0	ASPHALT (150 mm)									10 20 30 40 50 60 70 80 90									
1	79.7	FILL: (GP-SP)-SAND and GRAVEL, grey, moist, compact		SS1			88	15	11-6-4-5	10	10 20 30 40 50 60 70 80 90									
2		NATIVE: (ML)-SILT, some sand, brown, moist, compact wet		SS2			100	16	11-14-15-17	29	10 20 30 40 50 60 70 80 90									
3	1.0	dense		SS3			88	17	10-14-18-19	32	10 20 30 40 50 60 70 80 90									
4		trace clay, brown/grey, moist to wet, compact		SS4A			96	19	2-7-6-10	13	10 20 30 40 50 60 70 80 90									
5		grey, moist, stiff		SS4B			-	13	-	-	10 20 30 40 50 60 70 80 90									
6	2.0		(CL)-SILTY CLAY, grey, moist, very stiff, trace sand				88	13	6-9-9-10	18	10 20 30 40 50 60 70 80 90									
7		firm		SS6	0-2-80-12		96	17	2-3-3-6	6	10 20 30 40 50 60 70 80 90									
8		SHELBY TUBE		ST7			79	-	-	-	10 20 30 40 50 60 70 80 90									
9		VANE TEST Initial = 170 kPa Remolded = 123 kPa		V8			-	-	-	-	10 20 30 40 50 60 70 80 90									
10	3.0		moist to wet, firm				67	13	3-3-5-6	8	10 20 30 40 50 60 70 80 90									
11				SS9							10 20 30 40 50 60 70 80 90									
12											10 20 30 40 50 60 70 80 90									
13	4.0										10 20 30 40 50 60 70 80 90									
14											10 20 30 40 50 60 70 80 90									
15	5.0										10 20 30 40 50 60 70 80 90									
16											10 20 30 40 50 60 70 80 90									
17											10 20 30 40 50 60 70 80 90									
18	6.0										10 20 30 40 50 60 70 80 90									
19											10 20 30 40 50 60 70 80 90									
20											10 20 30 40 50 60 70 80 90									
21	7.0										10 20 30 40 50 60 70 80 90									
22											10 20 30 40 50 60 70 80 90									
23											10 20 30 40 50 60 70 80 90									
24											10 20 30 40 50 60 70 80 90									
25											10 20 30 40 50 60 70 80 90									
26											10 20 30 40 50 60 70 80 90									

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**BOREHOLE No.:** MW1-22  
**ELEVATION:** 80.2 m

**BOREHOLE REPORT**

**CLIENT:** FRAM + Slokker  
**PROJECT:** Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
**LOCATION:** PORT CREDIT, MISSISSAUGA  
**DESCRIBED BY:** J.B **CHECKED BY:** M.M  
**DATE (START):** 23 September 2022 **DATE (FINISH):** 24 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

**NORTHING:** 4823206.83 **EASTING:** 614409.61

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Type Number	Grain Size/Hydrometer Comments			Unit Weight	Recovery/TCR(%)	Moisture Content	Blows per 15cm/RQD(%)	N <sub>v</sub> Value/SCR(%)	Atterberg limits (%)										PIEZOMETER/STANDPIPE INSTALLATION
					Gravel	Sand	Silt/Clay						W <sub>p</sub>	W <sub>L</sub>	10	20	30	40	50	60	70	80	
Feet	Metres	80.2	GROUND SURFACE		%	KN/m <sup>3</sup>	%	%					10	20	30	40	50	60	70	80	90		
27				☒																			
28	8.7	71.5	(ML)-SANDY LEAN CLAY, trace gravel, grey, very stiff																				
29			moist																				
30	9.0			☒	SS11	4-30-43-23		88	11	10-14-16-18	30												
31				☒																			
32				☒																			
33	10.0																						
34			hard																				
35				☒																			
36	11.0			☒	SS12			92	9	11-30-26-30	56												
37																							
38																							
39	11.9	68.3	BEDROCK - SHALE, highly weathered, grey, thinly laminated																				
40	12.0	68.1	END OF OVERBURDEN BOREHOLE, Refer to BEDROCK Log for continuation:																				
41	12.1																						
42																							
43	13.0																						
44																							
45																							
46	14.0																						
47																							
48																							
49	15.0																						
50																							
51																							
52																							

Well detail Continued in Bedrock Log

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**BOREHOLE No.:** MW2-22  
**ELEVATION:** 80.1 m

**BOREHOLE REPORT**

**CLIENT:** FRAM + Slokker  
**PROJECT:** Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
**LOCATION:** PORT CREDIT, MISSISSAUGA  
**DESCRIBED BY:** J.B **CHECKED BY:** M.M  
**DATE (START):** 20 September 2022 **DATE (FINISH):** 20 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

**NORTHING:** 4823199.85 **EASTING:** 614438.07

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Grain Size/ Hydrometer Comments	Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	N <sub>u</sub> Value/ SCR(%)	Piezometer Standpipe Installation									
											Gravel	Sand	Silt	Clay	W <sub>p</sub>	W <sub>L</sub>	W <sub>u</sub>	10	20	30
0	80.1		GROUND SURFACE								10 20 30 40 50 60 70 80 90									
0.1	79.9	ASPHALT (130 mm)									0.3 m									
1		FILL: (SP-GP)-SAND and GRAVEL, brown, moist, compact; (Granular subbase)		SS1			42	-	11-11-9-8	20										
0.8	79.3	(ML)-SANDY SILT, brown, moist, loose		SS2			17	-	5-3-3-2	6										
1.0											9/20/2022									
1.5	78.5	NATIVE: (CL-ML)-SILTY CLAY, trace sand, moist to wet, soft		SS3			29	-	0-1-2-3	3										
2.0		moist, stiff		SS4	0-2-85-13		92	16	2-4-7-6	11	Hole-Plug									
3.0	77.0	(CL)-LEAN CLAY, with silt, brown, moist, very soft		SS5			100	36	0-1-1-2	2										
4.0		SHELBY TUBE		ST6			75	-	-	-										
5.0		VANE TEST Initial = 43 kPa Remolded = 16 kPa wet		V7			-	-	-	-										
5.0				SS8	0-1-55-44		100	39	0-0-1-5	1										
6.0		stiff		SS9			75	22	3-4-6-7	10	5.5 m									
6.1				SS10			67	52	4-5-6-4	11	#2 Sand									
7.0											6.1 m									
7.6	72.4	(CL)-SANDY LEAN CLAY, trace gravel, grey, moist, very stiff		SS11			67	12	6-8-12-11	20	Screen									

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**BOREHOLE No.:** MW2-22  
**ELEVATION:** 80.1 m

**BOREHOLE REPORT**

**CLIENT:** FRAM + Slokker  
**PROJECT:** Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
**LOCATION:** PORT CREDIT, MISSISSAUGA  
**DESCRIBED BY:** J.B **CHECKED BY:** M.M  
**DATE (START):** 20 September 2022 **DATE (FINISH):** 20 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

**NORTHING:** 4823199.85 **EASTING:** 614438.07

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Grain Size/ Hydrometer Comments			Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	N <sub>60</sub> Value/ SCR(%)	△ Undisturbed Vane Value (kPa) □ Remoulded Field Vane Value (kPa) △ <sup>s</sup> Number refer to Sensitivity ○ Water content (%) ▭ Atterberg limits (%) * "N" Value (blows/12 in.-30 cm) * "DCPT" Value (blows/12 in.-30 cm)										PIEZOMETER/ STANDPIPE INSTALLATION
					Gravel	Sand	Silt/ Clay						KN/m <sup>3</sup>	%	%	10	20	30	40	50	60	70	
Feet	Metres	80.1	GROUND SURFACE		%	KN/m <sup>3</sup>	%	%					10	20	30	40	50	60	70	80	90		
27				☒																			
28																							
29																							
30	9.0		hard	☒																			
31				☒ SS12					58	12	9-15-16-17	31											
32																							
33	10.0																						
34																							
35																							
36	11.0			☒ SS13					54	13	47-26-34-38	60											
37																							
38																							
39																							
40	12.2	67.9		☒ SS14					-	-	50/51mm	50/51 mm											
41	12.2	67.8																					
42																							
43	13.0																						
44																							
45																							
46	14.0																						
47																							
48																							
49	15.0																						
50																							
51																							
52																							

BEDROCK, fragments of grey shale, moist  
 END OF BOREHOLE

NOTES:  
 - Water level at a depth of 1.39 m (Elevation 78.7 m) upon completion of drilling.  
 - Water level at a depth of 8.3 m (Elevation 71.8 m) on Oct 3, 2022.

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**BOREHOLE No.:** MW3-22  
**ELEVATION:** 80.0 m

**BOREHOLE REPORT**

**CLIENT:** FRAM + Slokker  
**PROJECT:** Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
**LOCATION:** PORT CREDIT, MISSISSAUGA  
**DESCRIBED BY:** J.B **CHECKED BY:** M.M  
**DATE (START):** 19 September 2022 **DATE (FINISH):** 19 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

**NORTHING:** 4823216.55 **EASTING:** 614455.98

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Type Number	Grain Size/ Hydrometer Comments	Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	'N' Value/ SCR(%)	Atterberg limits (%)										PIEZOMETER/ STANDPIPE INSTALLATION
											Gravel	Sand	Silt	Clay	W <sub>p</sub>	W <sub>L</sub>	W <sub>p</sub>	W <sub>L</sub>	W <sub>p</sub>	W <sub>L</sub>	
0	80.0		GROUND SURFACE								10	20	30	40	50	60	70	80	90		
0.1	79.9	ASPHALT (100 mm)																			
1		FILL:																			
2		(SP)-GRAVELLY SAND, trace silt, brown, moist, compact		SS1			29	-	6-7-7-6	14											0.3 m
3	0.8	79.2	NATIVE:																		
4	1.0		(ML)-SILT, with sand, brown, moist, loose, varved	SS2			58	14	3-4-4-3	8											
5			compact																		
6				SS3			100	21	10-11-13-16	24											
7	2.0																				
8			trace sand and clay, grey	SS4	0-5-84-11		100	14	12-11-10-12	21											Hole-Plug
9																					
10	3.0			SS5			88	17	7-6-6-5	12											
11																					
12	3.8	76.2	(CL)-LEAN CLAY, with silt, grey, moist, firm	SS6			67	20	3-3-3-4	6											
13	4.0																				
14			wet, very soft																		
15				SS7	0-3-57-40		100	30	0-0-0-1	0											4.7 m
16	5.0																				
17			soft																		#2 Sand
18				SS8			100	25	2-2-2-2	4											5.3 m
19																					
20	6.0																				
21			VANE TEST	V9			-	-	-	-											
22			Initial = 43 kPa																		
23	6.9	73.1	Remolded = 28 kPa																		Screen
24	7.0		(CL)-SANDY LEAN CLAY, with silt, trace gravel, grey, moist, stiff, shale fragments	SS10			67	12	4-6-7-9	13											
25																					
26			hard	SS11	9-25-47-19		50	5	6-10-21-14	31											

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**BOREHOLE No.:** MW3-22  
**ELEVATION:** 80.0 m

**BOREHOLE REPORT**

CLIENT: FRAM + Slokker

PROJECT: Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
 LOCATION: PORT CREDIT, MISSISSAUGA

DESCRIBED BY: J.B. CHECKED BY: M.M.

DATE (START): 19 September 2022 DATE (FINISH): 19 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

NORTHING: 4823216.55 EASTING: 614455.98

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Grain Size/ Hydrometer Comments			Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	N <sub>v</sub> Value/ SCR(%)	Δ Undisturbed Vane Value (kPa) □ Remoulded Field Vane Value (kPa) Δ <sup>s</sup> Number refer to Sensitivity ○ Water content (%) ▮ Atterberg limits (%) * "N" Value (blows/12 in.-30 cm) ★ "DCPT" Value (blows/12 in.-30 cm)	PIEZOMETER/ STANDPIPE INSTALLATION
					Gravel	Sand	Silt/ Clay							
Feet	Metres	80.0	GROUND SURFACE		%	KN/m <sup>3</sup>	%	%				10 20 30 40 50 60 70 80 90		
27														
28														
29	9.0		trace sand, very stiff	SS12			50	10	10-15-16-23	31				
30														
31														
32			hard	SS13			63	11	7-12-15-19	27				
33	10.0													
34														
35			shale fragments	SS14			75	13	7-23-24-27	47				
36	11.0													
37														
38														
39														
40	12.0													
41	12.2 12.3	67.8 67.6	BEDROCK, highly weathered shale	SS15			67	7	7-20-26-30	46				
42			END OF BOREHOLE	SS16			50	16	17-29-28-50/127mm	57				
43	13.0													
44														
45														
46	14.0													
47														
48														
49	15.0													
50														
51														
52														

NOTES:  
 - Water level at a depth of 8.4 m (Elevation 71.6 m) upon completion of drilling.  
 - Water level at a depth of 7.5 m (Elevation 72.5 m) on Oct 3, 2022

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**BOREHOLE No.:** MW4-22  
**ELEVATION:** 80.0 m

**BOREHOLE REPORT**

**CLIENT:** FRAM + Slokker

**PROJECT:** Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
**LOCATION:** PORT CREDIT, MISSISSAUGA

**DESCRIBED BY:** J.B **CHECKED BY:** M.M

**DATE (START):** 21 September 2022 **DATE (FINISH):** 21 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

**NORTHING:** 4823166.74 **EASTING:** 614454.1

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Grain Size/ Hydrometer Comments	Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	N <sub>v</sub> Value/ SCR(%)	Piezometer Standpipe Installation											
											Gravel	Sand	Silt	Clay	%	KN/m <sup>3</sup>	%	%	10	20	30	40
0	80.0		GROUND SURFACE								10 20 30 40 50 60 70 80 90											
0	79.8	ASPHALT (150 mm)									0.3 m											
1	79.8	FILL: (SP-GP)-SAND and GRAVEL, brown, moist, compact  loose		SS1			21	3	8-12-12	24	●											
2				SS2			25	10	5-5-3-3	8	●											
3	1.0																					
4																						
5	78.5	NATIVE: (ML)-SILT, trace sand, brown, moist to wet, compact  moist, dense  trace clay and sand, wet  grey, moist  compact		SS3			83	19	7-14-15-18	29	○ ●											
6				SS4			100	21	13-18-21-25	39	○ ●											
7	1.5											2.6 m										
8												●										
9												#2 Sand										
10	3.0											3.2 m										
11						SS5	0-9-87-4 Non-plastic		83	19	13-18-16-18	34	○ ●									
12																						
13	4.0					SS6			71	13	18-25-24-25	49	○ ●									
14																						
15	5.0			SS7			96	14	8-13-10-11	23	○ ●											
16											Screen											
17	5.3	(CL)-SILTY CLAY, trace sand and gravel, stiff  very stiff		SS8			67	12	5-6-8-9	14	●											
18				SS9			67	12	6-7-9-14	16	○ ●											
19												6.2 m										
20	6.0											6.5 m										
21		(CL)-SANDY LEAN CLAY, trace gravel and silt, grey, moist, very stiff																				
22																						
23	7.0																					
24																						
25	7.6																					
26				SS10			63	11	8-10-12-14	22	○ ●											

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**BOREHOLE No.:** MW5-22  
**ELEVATION:** 79.6 m

**BOREHOLE REPORT**

**CLIENT:** FRAM + Slokker  
**PROJECT:** Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
**LOCATION:** PORT CREDIT, MISSISSAUGA  
**DESCRIBED BY:** J.B **CHECKED BY:** M.M  
**DATE (START):** 21 September 2022 **DATE (FINISH):** 22 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

**NORTHING:** 4823198.2 **EASTING:** 614474.8

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Grain Size/ Hydrometer Comments	Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	N <sub>v</sub> Value/ SCR(%)	Piezometer Standpipe Installation									
											Gravel	Sand	Silt	Clay	%	KN/m <sup>3</sup>	%	%	10	20
0	79.6		GROUND SURFACE								10 20 30 40 50 60 70 80 90									
0.1	79.5	☒	ASPHALT (100 mm)								0.3 m									
1	79.2	▨	FILL: (SP-GP)-SAND and GRAVEL, brown, moist	SS1			25	-	8-4-5-6	9	●									
2		▨	NATIVE: (ML)-SILT, with sand, brown, moist, loose	SS2			75	16	4-4-4-7	8	● ○									
3	1.0		wet, compact																	
4			clayey silt lense at 1.8 m	SS3			75	-	7-7-5-11	12	●									
5			grey, moist, dense																	
6	2.0			SS4			92	17	15-17-17-22	34	○ ●									
7			compact								Hole-Plug →									
8				SS5			75	17	11-16-9-6	25	○ ●									
9	3.0																			
10				SS6	0-1-69-30		67	24	4-3-3-2	6	● ○ ▮									
11	3.8		(CL)-LEAN CLAY, with silt, trace sand, grey, moist, firm																	
12	4.0		VANE TEST Initial = 123 kPa Remolded = 41 kPa	V7			-	-	-	-	□									
13			SHELBY TUBE	ST8			75	-	-	-										
14	5.0										5.7 m									
15			trace sand and gravel, grey, moist, firm								#2 Sand →									
16	6.0			SS9			83	14	3-3-5-7	8	● ○									
17											6.3 m									
18	7.0																			
19																				
20	7.6		(CL)-SANDY LEAN CLAY, trace gravel, moist, grey, very stiff								Screen →									
21				SS10			25	13	10-13-15-17	28	○ ●									
22																				
23	7.6																			
24																				
25																				
26																				

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**BOREHOLE No.:** MW5-22  
**ELEVATION:** 79.6 m

**BOREHOLE REPORT**

CLIENT: FRAM + Slokker

PROJECT: Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
 LOCATION: PORT CREDIT, MISSISSAUGA

DESCRIBED BY: J.B. CHECKED BY: M.M.

DATE (START): 21 September 2022 DATE (FINISH): 22 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

NORTHING: 4823198.2 EASTING: 614474.8

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Type Number	Grain Size/ Hydrometer Comments			Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	N <sub>v</sub> Value/ SCR(%)	Piezometer/ Standpipe Installation										
					Gravel	Sand	Silt/ Clay						W <sub>p</sub>	W <sub>L</sub>	W <sub>u</sub>	10	20	30	40	50	60	70	80
Feet	Metres	79.6	GROUND SURFACE		%	KN/m <sup>3</sup>	%	%					10	20	30	40	50	60	70	80	90		
27																							
28																							
29																							
30	9.0		shale fragments, hard																				
31				SS11	2-29-50-19		67	10	11-15-18-31	33													
32																							
33	10.0																						
34																							
35																							
36	11.0			SS12			25	11	23-18-23-30	41													
37																							
38																							
39	11.9	67.7																					
40	12.0 12.1	67.5	BEDROCK, shale fragments, grey, thinly bedded																				
41			END OF OVERBURDEN BOREHOLE, Refer to BEDROCK Log for continuation:																				
42																							
43	13.0																						
44																							
45																							
46	14.0																						
47																							
48																							
49	15.0																						
50																							
51																							
52																							

File: \\GHDNET\GHD\CA\TORONTO\PROJECTS\6621\2590583\TECH\GINT LOGS\12590583 LOG.GPJ Library File: 12590583 GHD\_GEO TECH\_V07.GLB Report: 12590583 SOIL LOG\_V01 Date: 21/10/22

Well detail Continued in Bedrock Log







**BOREHOLE No.:** BH7-22  
**ELEVATION:** 80.0 m

**BOREHOLE REPORT**

**CLIENT:** FRAM + Slokker  
**PROJECT:** Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
**LOCATION:** PORT CREDIT, MISSISSAUGA  
**DESCRIBED BY:** J.B **CHECKED BY:** M.M  
**DATE (START):** 27 September 2022 **DATE (FINISH):** 27 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

**NORTHING:** 4823200.95 **EASTING:** 614444.52

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Grain Size/ Hydrometer Comments	Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	N <sub>v</sub> Value/ SCR(%)	Piezometer/ Standpipe Installation									
											Gravel	Sand	Silt	Clay	W <sub>p</sub>	W <sub>L</sub>	W <sub>u</sub>	10	20	30
0	80.0		GROUND SURFACE																	
0.1	79.9	▨	ASPHALT (100 mm)	SS1A			75	-	12-12-10-11	22										
0.4	79.6	▨	FILL: (SP-GP)-SAND and GRAVEL, brown, moist, compact	SS1B			-	-	-	-										
1.0		▨	NATIVE: (ML)-SILT, with sand, trace clay, brown, compact	SS2			100	-	5-9-14-18	23										
2.0		▨	wet, dense	SS3			100	-	7-12-19-24	31										
3.0		▨	trace clay, grey, moist, very stiff	SS4			79	-	6-8-9-9	17										
4.0		▨	moist to wet, dense	SS5			75	-	12-19-19-16	38										
3.8	76.2	▨	(CL)-LEAN CLAY, with silt, moist to wet, grey, firm	SS6			75	-	2-2-4-6	6										
5.0		▨		SS7			83	-	2-3-5-5	8										
5.2	74.8		END OF BOREHOLE																	

File: \\GHDNET\GHD\CAIT\TORONTO\PROJECTS\6621\2590583\TECH\GINT LOGS\12590583 LOG.GPJ Library File: 12590583 GHD\_GEOTECH\_V07.GLB Report: 12590583 SOIL LOG\_V01 Date: 21/10/22



**BOREHOLE No.:** BH8-22  
**ELEVATION:** 79.6 m

**BOREHOLE REPORT**

**CLIENT:** FRAM + Slokker  
**PROJECT:** Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
**LOCATION:** PORT CREDIT, MISSISSAUGA  
**DESCRIBED BY:** J.B **CHECKED BY:** M.M  
**DATE (START):** 27 September 2022 **DATE (FINISH):** 27 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

**NORTHING:** 4823193.66 **EASTING:** 614460.9

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Grain Size/ Hydrometer Comments			Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	N <sub>v</sub> Value/ SCR(%)	Atterberg limits (%)										PIEZOMETER/ STANDPIPE INSTALLATION
					Gravel	Sand	Silt/ Clay						W <sub>p</sub>	W <sub>L</sub>	10	20	30	40	50	60	70	80	
0	79.6		GROUND SURFACE																				
0.1	79.5	ASPHALT (100 mm)																					
1	79.2	FILL: (SP-GP)-SAND and GRAVEL, dark brown, moist, loose, asphalt fragments, brick fragments, rootlets		SS1A				75	-	3-3-4-5	7	●											
2		NATIVE: (ML)-SILT, brown, moist, loose with sand, compact		SS1B				-	-	-	-												
3	1.0			SS2				58	-	4-3-7-5	10	●											
4		wet																					
5																							
6				SS3				100	-	3-5-14-18	19	●											
7	2.1		END OF BOREHOLE																				
8																							
9																							
10	3.0																						
11																							
12																							
13	4.0																						
14																							
15																							
16	5.0																						
17																							
18																							
19																							
20	6.0																						
21																							
22																							
23	7.0																						
24																							
25																							
26																							

File: \\GHDNET\GHD\CAIT\TORONTO\PROJECTS\6621\2590583\TECH\GINT LOGS\12590583 LOG.GPJ Library File: 12590583 GHD\_GEOTECH\_V07.GLB Report: 12590583 SOIL LOG\_V01 Date: 21/10/22



**BOREHOLE No.:** BH9-22  
**ELEVATION:** 79.3 m

**BOREHOLE REPORT**

CLIENT: FRAM + Slokker

PROJECT: Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
 LOCATION: PORT CREDIT, MISSISSAUGA

DESCRIBED BY: J.B. CHECKED BY: M.M.

DATE (START): 27 September 2022 DATE (FINISH): 27 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

NORTHING: 4823175.31 EASTING: 614478.11

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Grain Size/ Hydrometer Comments			Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	N <sub>v</sub> Value/ SCR(%)	Atterberg limits (%)										PIEZOMETER/ STANDPIPE INSTALLATION
					Gravel	Sand	Silt/ Clay						W <sub>p</sub>	W <sub>L</sub>	10	20	30	40	50	60	70	80	
0	79.3		GROUND SURFACE		%	KN/m <sup>3</sup>	%	%					10	20	30	40	50	60	70	80	90		
0	79.3		ASHPLAT (25 mm)																				
1	78.9		FILL: (SP-GP)-SAND and GRAVEL, brown to dark brown, moist, rootlets (Granular subbase)	SS1A			75	-	-	1-3-4-5	7		●										
2			NATIVE: (ML)-SILT, with sand, brown, moist, loose wet, compact dense	SS1B			-	-	-	-	-												
3				SS2			75	-	-	3-4-10-17	14		●										
4																							
5																							
6				SS3			83	-	-	11-18-22-29	40												
7	77.2		END OF BOREHOLE																				
8																							
9																							
10																							
11																							
12																							
13																							
14																							
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**BOREHOLE No.:** BH10-22  
**ELEVATION:** \_\_\_\_\_ m

**BOREHOLE REPORT**

**CLIENT:** FRAM + Slokker

**PROJECT:** Geotechnical Investigation - Due Diligence Study  
 42 PORT ST E. & 91-93, 99 LAKESHORE RD E.,  
**LOCATION:** PORT CREDIT, MISSISSAUGA

**DESCRIBED BY:** J.B **CHECKED BY:** M.M

**DATE (START):** 27 September 2022 **DATE (FINISH):** 27 September 2022

**LEGEND**

- ☒ SS - SPLIT SPOON
- ▨ ST - SHELBY TUBE
- ▮ RC - ROCK CORE
- ▼ - WATER LEVEL

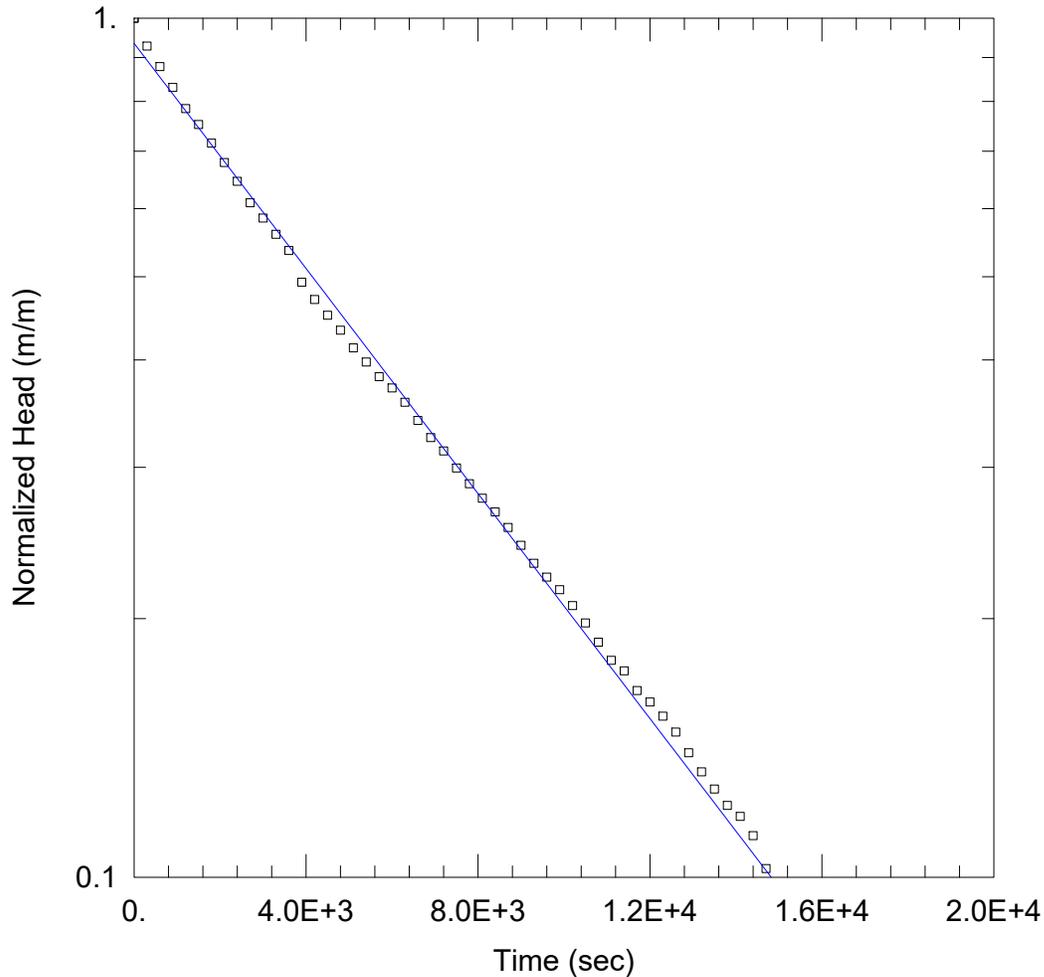
**NORTHING:** 4823205 **EASTING:** 614482

Depth	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State and Number	Grain Size/ Hydrometer Comments			Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	'N' Value/ SCR(%)	Δ Undisturbed Vane Value (kPa) □ Remoulded Field Vane Value (kPa) Δ <sup>s</sup> Number refer to Sensitivity ○ Water content (%) ▭ Atterberg limits (%) W <sub>p</sub> W <sub>L</sub> * "N" Value (blows/12 in.-30 cm) "DCPT" Value (blows/12 in.-30 cm)										PIEZOMETER/ STANDPIPE INSTALLATION
					Gravel	Sand	Silt/ Clay						%	KN/m <sup>3</sup>	%	%	10	20	30	40	50	60	
Feet	Metres		GROUND SURFACE																				
0	0.1		CONCRETE (50 mm)																				
1			(ML)-SILT, with sand, brown, wet	SS1				88	-	-	-												
2			some clay																				
3	1.0		grey, moist to wet	SS2				100	-	-	-												
4				SS3				83	-	-	-												
5	1.6		END OF BOREHOLE																				
6																							
7	2.0																						
8																							
9																							
10	3.0																						
11																							
12																							
13	4.0																						
14																							
15																							
16	5.0																						
17																							
18																							
19																							
20	6.0																						
21																							
22																							
23	7.0																						
24																							
25																							
26																							

File: \\GHDNET\GHD\CAIT\TORONTO\PROJECTS\6621\2590583\TECH\GINT LOGS\12590583 LOG.GPJ Library File: 12590583 GHD\_GEOTECH\_V07.GLB Report: 12590583 SOIL LOG\_V01 Date: 21/10/22

# **Appendix C**

## **Single Well Response Tests**



### MW01-22 FALLING HEAD TEST

Data Set: \\ghdnet\ghd\CA\Toronto\Projects\662\12590583\Tech\SWRTS\Aqtsolve\MW1-22 FH BR.aqt  
 Date: 10/28/22 Time: 11:19:50

### PROJECT INFORMATION

Company: GHD  
 Client: Fram + Slokker  
 Project: 12590583  
 Location: 42 Port Street, Port Credit  
 Test Well: MW01-22  
 Test Date: October 06, 2022

### AQUIFER DATA

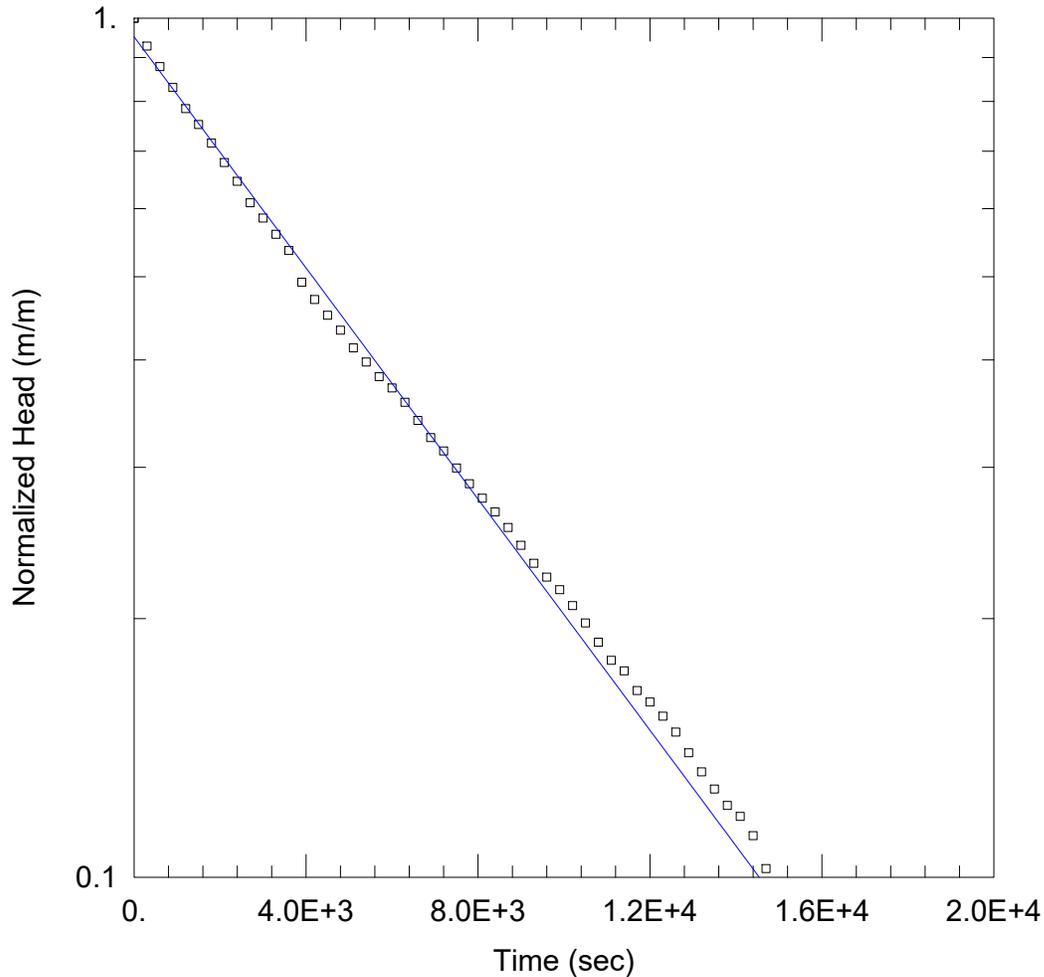
Saturated Thickness: 3.66 m Anisotropy Ratio (Kz/Kr): 1.

### WELL DATA (MW01-22)

Initial Displacement: 0.2013 m Static Water Column Height: 3.66 m  
 Total Well Penetration Depth: 3.71 m Screen Length: 3.05 m  
 Casing Radius: 0.45 m Well Radius: 0.255 m

### SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice  
 K = 0.0009515 cm/sec y0 = 0.1881 m



MW01-22 FALLING HEAD TEST

Data Set: \\ghdnet\ghd\CA\Toronto\Projects\662\12590583\Tech\SWRTS\Aqtsolve\MW1-22 FH HV.aqt  
 Date: 10/28/22 Time: 11:19:58

PROJECT INFORMATION

Company: GHD  
 Client: Fram + Slokker  
 Project: 12590583  
 Location: 42 Port Street, Port Credit  
 Test Well: MW01-22  
 Test Date: October 06, 2022

AQUIFER DATA

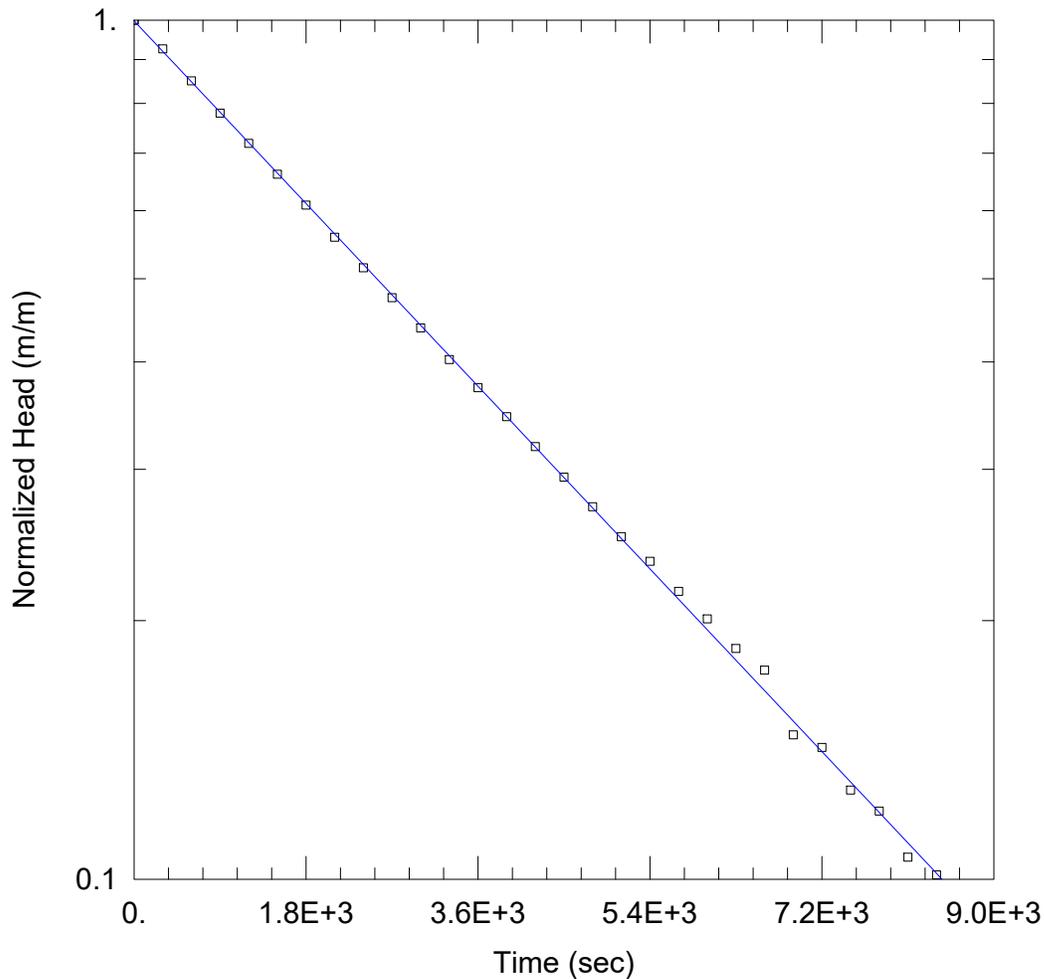
Saturated Thickness: 3.66 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW01-22)

Initial Displacement: 0.2013 m Static Water Column Height: 3.66 m  
 Total Well Penetration Depth: 3.71 m Screen Length: 3.05 m  
 Casing Radius: 0.45 m Well Radius: 0.255 m

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev  
 K = 0.001633 cm/sec y0 = 0.1915 m



MW01-22 RISING HEAD TEST

Data Set: \\ghdnet\ghd\CA\Toronto\Projects\662\12590583\Tech\SWRTS\Aqtsolve\MW1-22 RH BR.aqt  
 Date: 10/28/22 Time: 11:20:07

PROJECT INFORMATION

Company: GHD  
 Client: Fram + Slokker  
 Project: 12590583  
 Location: 42 Port Street, Port Credit  
 Test Well: MW01-22  
 Test Date: October 06, 2022

AQUIFER DATA

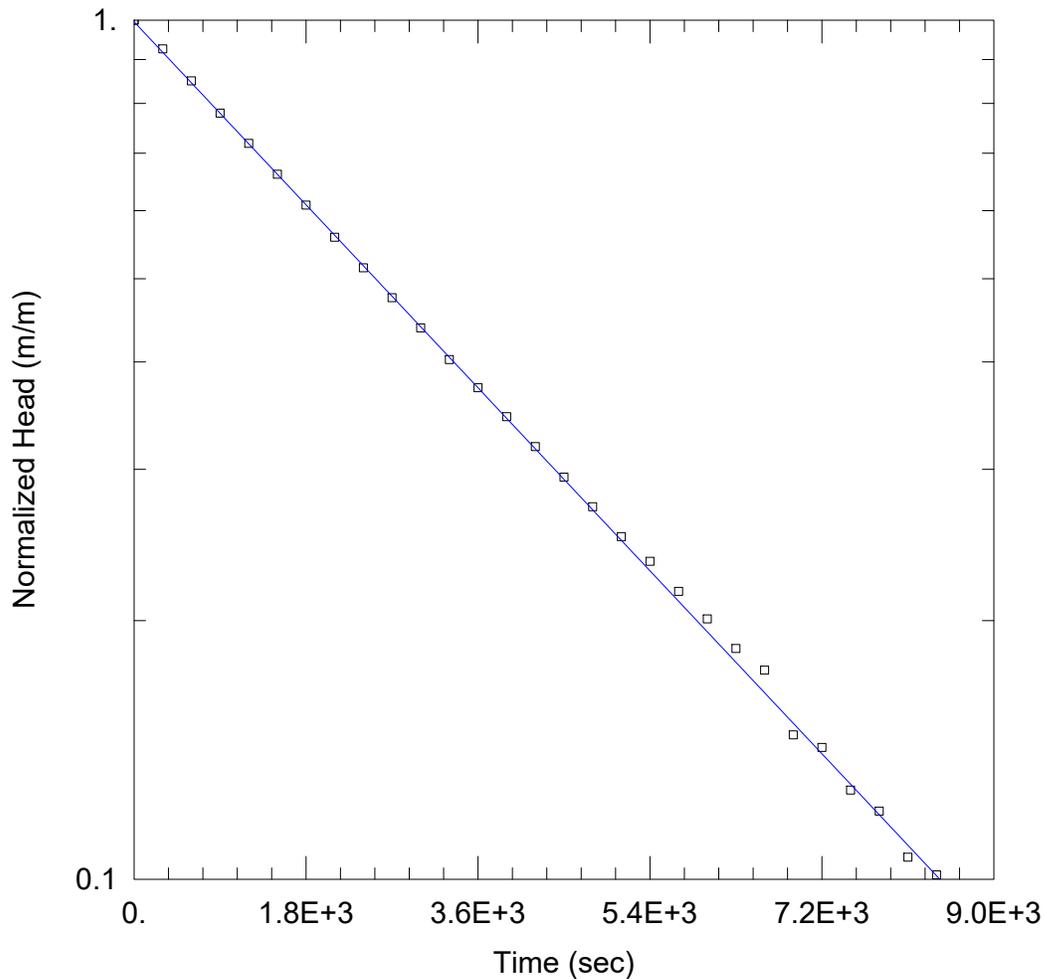
Saturated Thickness: 3.66 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW01-22)

Initial Displacement: 0.1433 m Static Water Column Height: 3.66 m  
 Total Well Penetration Depth: 3.71 m Screen Length: 3.05 m  
 Casing Radius: 0.45 m Well Radius: 0.255 m

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice  
 K = 0.001716 cm/sec y0 = 0.143 m



### MW01-22 RISING HEAD TEST

Data Set: \\ghdnet\ghd\CA\Toronto\Projects\662\12590583\Tech\SWRTS\Aqtsolve\MW1-22 RH HV.aqt  
 Date: 10/28/22 Time: 11:20:12

### PROJECT INFORMATION

Company: GHD  
 Client: Fram + Slokker  
 Project: 12590583  
 Location: 42 Port Street, Port Credit  
 Test Well: MW01-22  
 Test Date: October 06, 2022

### AQUIFER DATA

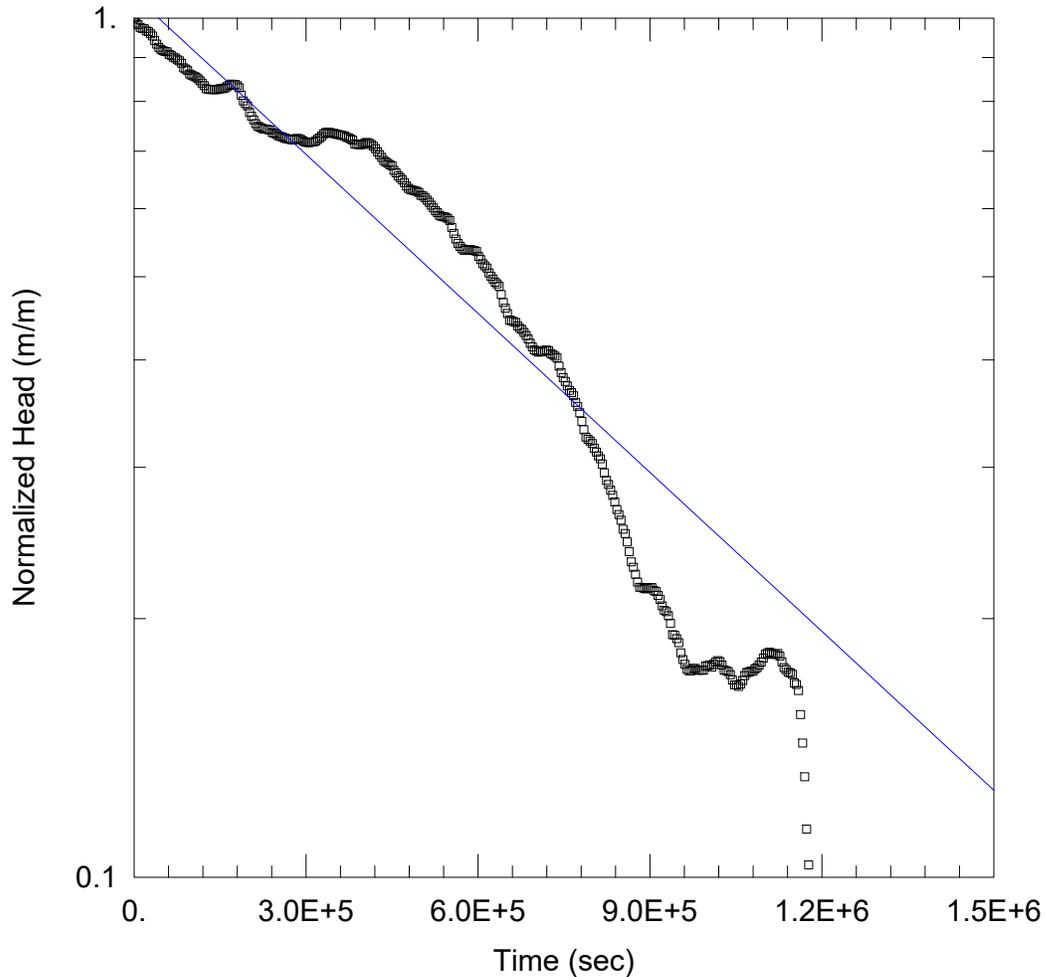
Saturated Thickness: 3.66 m Anisotropy Ratio (Kz/Kr): 1.

### WELL DATA (MW01-22)

Initial Displacement: 0.1433 m Static Water Column Height: 3.66 m  
 Total Well Penetration Depth: 3.71 m Screen Length: 3.05 m  
 Casing Radius: 0.45 m Well Radius: 0.255 m

### SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev  
 K = 0.002873 cm/sec y0 = 0.1426 m



### MW02-22 RISING HEAD TEST

Data Set: \\ghdnet\ghd\CA\Toronto\Projects\662\12590583\Tech\SWRTS\Aqtsolve\MW2-22 RH BR.aqt  
 Date: 10/28/22 Time: 11:20:18

### PROJECT INFORMATION

Company: GHD  
 Client: Fram + Slokker  
 Project: 12590583  
 Location: 42 Port Street, Port Credit  
 Test Well: MW02-22  
 Test Date: October 27, 2022

### AQUIFER DATA

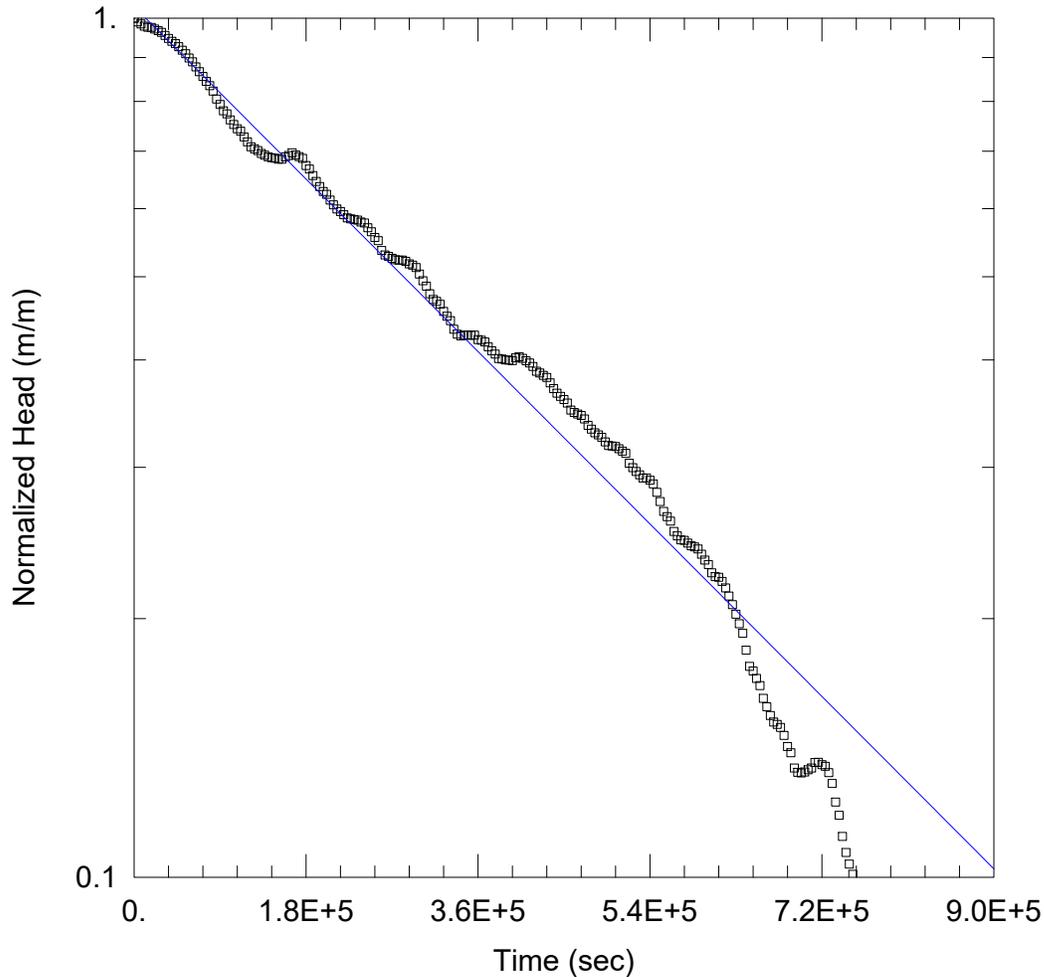
Saturated Thickness: 1.98 m Anisotropy Ratio (Kz/Kr): 1.

### WELL DATA (MW02-22)

Initial Displacement: 1.595 m Static Water Column Height: 1.98 m  
 Total Well Penetration Depth: 3.05 m Screen Length: 3.05 m  
 Casing Radius: 0.45 m Well Radius: 0.255 m

### SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice  
 K = 1.232E-5 cm/sec y0 = 1.695 m



MW03-22 RISING HEAD TEST

Data Set: \\ghdnet\ghd\CA\Toronto\Projects\662\12590583\Tech\SWRTS\Aqtsolve\MW3-22 RH BR.aqt  
 Date: 10/28/22 Time: 11:20:24

PROJECT INFORMATION

Company: GHD  
 Client: Fram + Slokker  
 Project: 12590583  
 Location: 42 Port Street, Port Credit  
 Test Well: MW03-22  
 Test Date: October 27, 2022

AQUIFER DATA

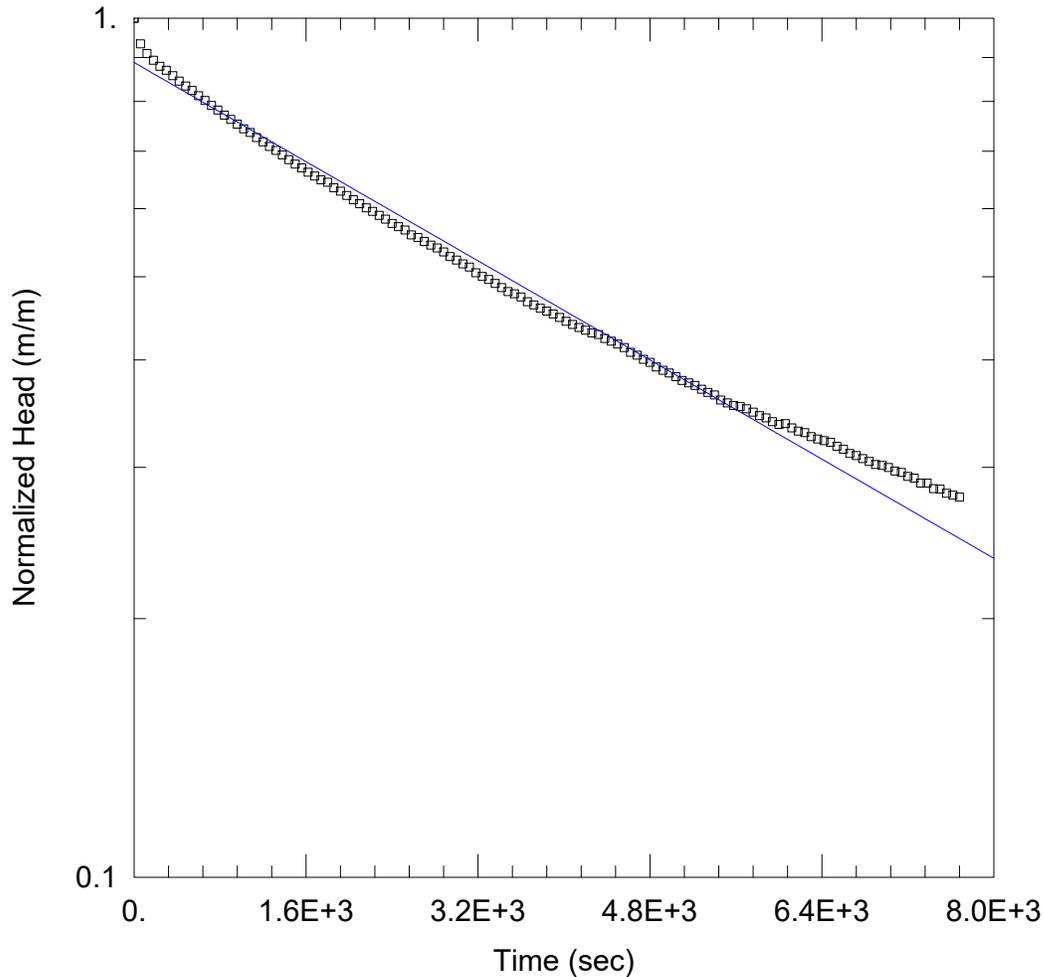
Saturated Thickness: 2.77 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW03-22)

Initial Displacement: 1.928 m Static Water Column Height: 2.77 m  
 Total Well Penetration Depth: 3.05 m Screen Length: 3.05 m  
 Casing Radius: 0.45 m Well Radius: 0.255 m

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice  
 K = 1.66E-5 cm/sec y0 = 1.989 m



MW04-22 FALLING HEAD TEST

Data Set: \\ghdnet\ghd\CA\Toronto\Projects\662\12590583\Tech\SWRTS\Aqtsolve\MW4-22 FH BR.aqt  
 Date: 10/28/22 Time: 11:20:30

PROJECT INFORMATION

Company: GHD  
 Client: Fram + Slokker  
 Project: 12590583  
 Location: 42 Port Street, Port Credit  
 Test Well: MW04-22  
 Test Date: October 06, 2022

AQUIFER DATA

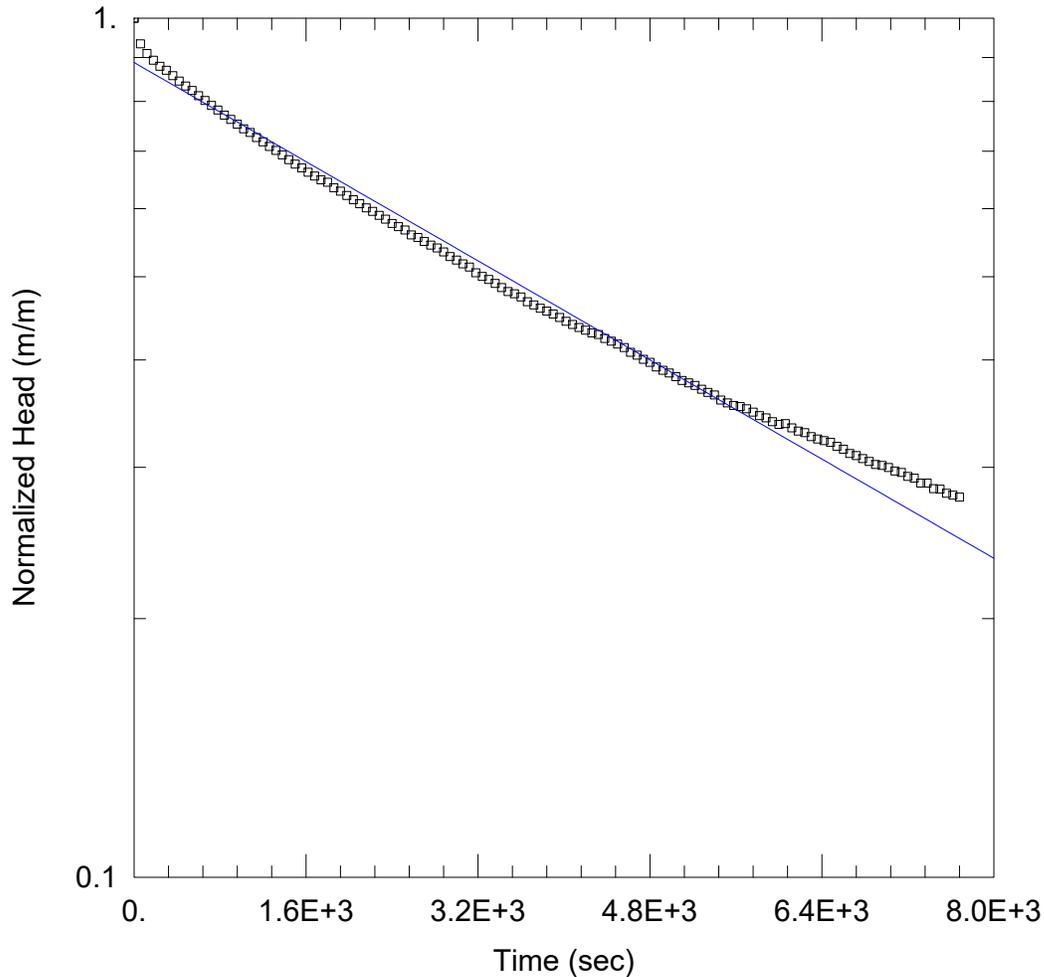
Saturated Thickness: 3.56 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW04-22)

Initial Displacement: 0.2855 m Static Water Column Height: 3.56 m  
 Total Well Penetration Depth: 3.56 m Screen Length: 3.05 m  
 Casing Radius: 0.45 m Well Radius: 0.255 m

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice  
 K = 0.001035 cm/sec y0 = 0.2535 m



### MW04-22 FALLING HEAD TEST

Data Set: \\ghdnet\ghd\CA\Toronto\Projects\662\12590583\Tech\SWRTS\Aqtsolve\MW4-22 FH HV.aqt  
 Date: 10/28/22 Time: 11:20:36

### PROJECT INFORMATION

Company: GHD  
 Client: Fram + Slokker  
 Project: 12590583  
 Location: 42 Port Street, Port Credit  
 Test Well: MW04-22  
 Test Date: October 06, 2022

### AQUIFER DATA

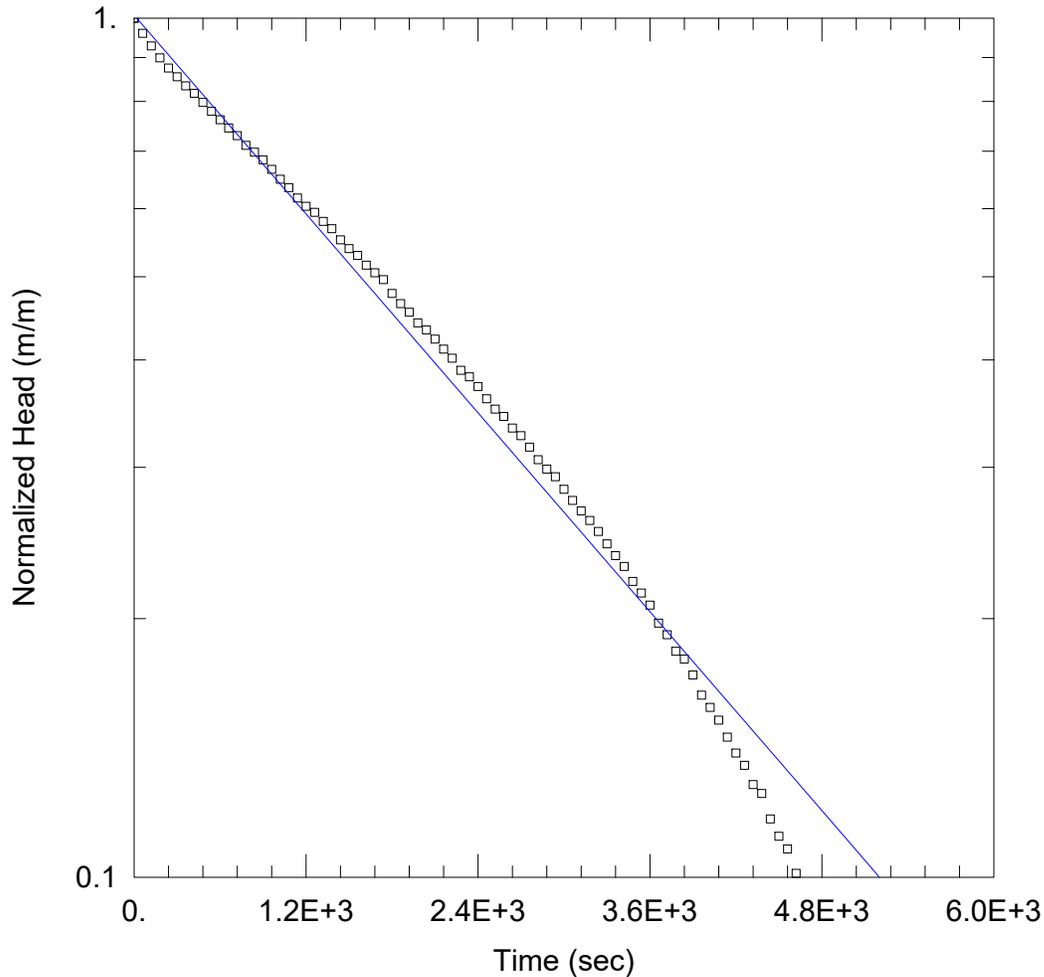
Saturated Thickness: 3.56 m Anisotropy Ratio (Kz/Kr): 1.

### WELL DATA (MW04-22)

Initial Displacement: 0.2855 m Static Water Column Height: 3.56 m  
 Total Well Penetration Depth: 3.56 m Screen Length: 3.05 m  
 Casing Radius: 0.45 m Well Radius: 0.255 m

### SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev  
 K = 0.001372 cm/sec y0 = 0.2535 m



### MW04-22 RISING HEAD TEST

Data Set: \\ghdnet\ghd\CA\Toronto\Projects\662\12590583\Tech\SWRTS\Aqtsolve\MW4-22 RH BR.aqt  
 Date: 10/28/22 Time: 11:20:48

### PROJECT INFORMATION

Company: GHD  
 Client: Fram + Slokker  
 Project: 12590583  
 Location: 42 Port Street, Port Credit  
 Test Well: MW04-22  
 Test Date: October 06, 2022

### AQUIFER DATA

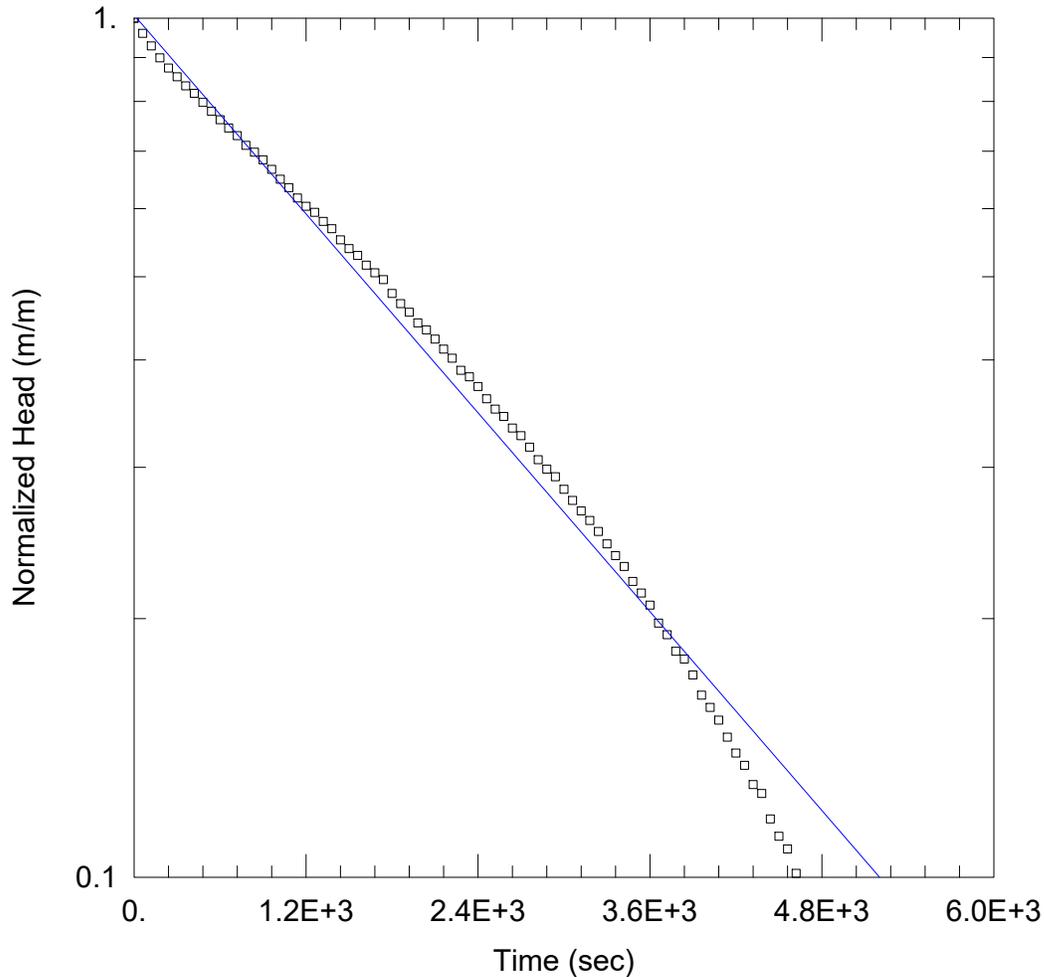
Saturated Thickness: 3.56 m Anisotropy Ratio (Kz/Kr): 1.

### WELL DATA (MW04-22)

Initial Displacement: 0.1326 m Static Water Column Height: 3.56 m  
 Total Well Penetration Depth: 3.56 m Screen Length: 3.05 m  
 Casing Radius: 0.45 m Well Radius: 0.255 m

### SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice  
 K = 0.002769 cm/sec y0 = 0.1337 m



MW04-22 RISING HEAD TEST

Data Set: \\ghdnet\ghd\CA\Toronto\Projects\662\12590583\Tech\SWRTS\Aqtsolve\MW4-22 RH HV.aqt  
 Date: 10/28/22 Time: 11:20:53

PROJECT INFORMATION

Company: GHD  
 Client: Fram + Slokker  
 Project: 12590583  
 Location: 42 Port Street, Port Credit  
 Test Well: MW04-22  
 Test Date: October 06, 2022

AQUIFER DATA

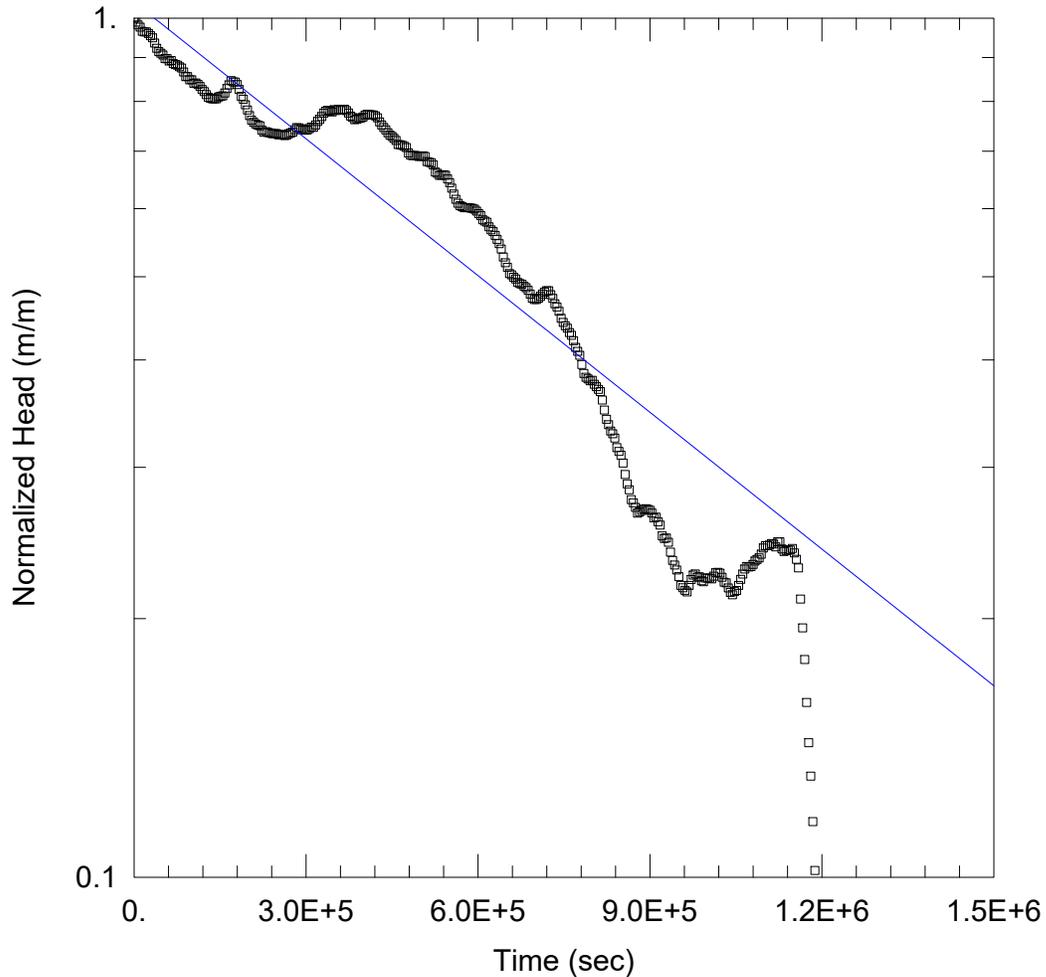
Saturated Thickness: 3.56 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW04-22)

Initial Displacement: 0.1326 m Static Water Column Height: 3.56 m  
 Total Well Penetration Depth: 3.56 m Screen Length: 3.05 m  
 Casing Radius: 0.45 m Well Radius: 0.255 m

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev  
 K = 0.003669 cm/sec y0 = 0.1337 m



MW05-22 RISING HEAD TEST

Data Set: \\ghdnet\ghd\CA\Toronto\Projects\662\12590583\Tech\SWRTS\Aqtsolve\MW5-22 RH BR.aqt  
 Date: 10/28/22 Time: 11:20:59

PROJECT INFORMATION

Company: GHD  
 Client: Fram + Slokker  
 Project: 12590583  
 Location: 42 Port Street, Port Credit  
 Test Well: MW05-22  
 Test Date: October 27, 2022

AQUIFER DATA

Saturated Thickness: 1.43 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW05-22)

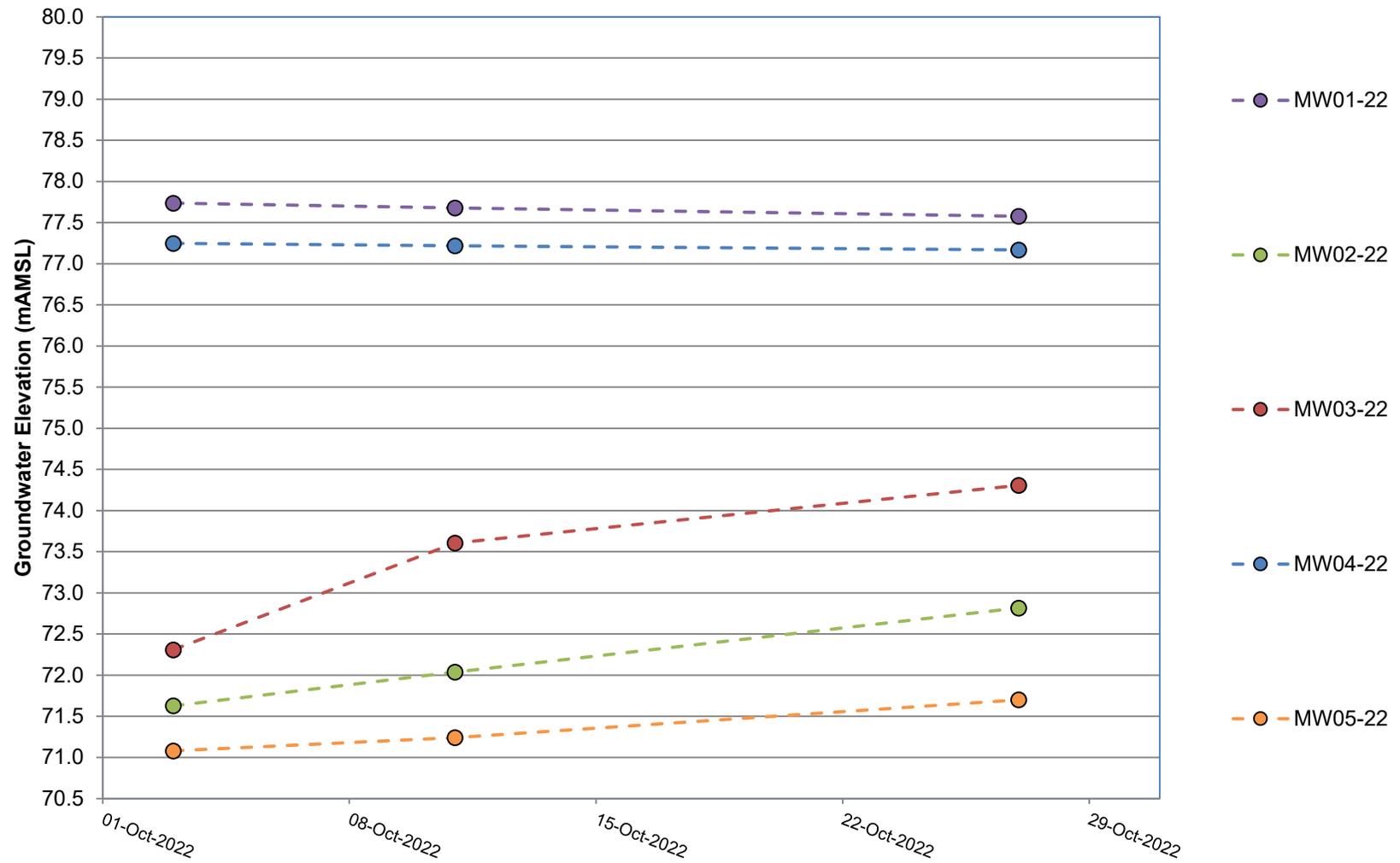
Initial Displacement: 1.248 m Static Water Column Height: 1.43 m  
 Total Well Penetration Depth: 3.05 m Screen Length: 3.05 m  
 Casing Radius: 0.45 m Well Radius: 0.255 m

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice  
 K = 1.415E-5 cm/sec y0 = 1.303 m

# Appendix D

## Hydrographs



42 Port St E. & 91-93, 99 Lakeshore Rd E, Mississauga, Ontario  
 Proposed Residentails Development  
 FRAM + Slokker  
 Hydrogeological Assessment  
**Groundwater Elevation Hydrograph**

# **Appendix E**

## **Laboratory Certificates of Analysis**



## CERTIFICATE OF ANALYSIS

Work Order	: <b>WT2216519</b>	Page	: 1 of 6
Client	: <b>GHD Limited</b>	Laboratory	: Waterloo - Environmental
Contact	: Jennifer Balkwill	Account Manager	: Rick Hawthorne
Address	: 455 Phillip Street Waterloo ON Canada N2L 3X2	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	: ----	Telephone	: +1 519 886 6910
Project	: 12590583-003.002	Date Samples Received	: 04-Oct-2022 10:00
PO	: 735-004457	Date Analysis	: 04-Oct-2022
		Commenced	
C-O-C number	: ----	Issue Date	: 13-Oct-2022 15:47
Sampler	: Jeffrey Bisson		
Site	: ----		
Quote number	: 12590583-003.002 SSOW 735-004457		
No. of samples received	: 2		
No. of samples analysed	: 1		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Adam Boettger	Team Leader - LCMS	LCMS, Waterloo, Ontario
Amanda Ganouri-Lumsden	Department Manager - Microbiology and Prep	Microbiology, Waterloo, Ontario
Greg Pokocky	Supervisor - Inorganic	Inorganics, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Organics, Waterloo, Ontario
Jon Fisher	Department Manager - Inorganics	Inorganics, Waterloo, Ontario
Jon Fisher	Department Manager - Inorganics	Metals, Waterloo, Ontario
Joseph Scharbach		Organics, Waterloo, Ontario
Rachel Cameron	Team Leader - Semi-Volatile Organics	Organics, Waterloo, Ontario
Sarah Birch	Team Leader - Volatiles	Organics, Waterloo, Ontario



## General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances  
LOR: Limit of Reporting (detection limit).

<i>Unit</i>	<i>Description</i>
-	No Unit
µg/L	micrograms per litre
CFU/100mL	colony forming units per 100 mL
mg/L	milligrams per litre
pH units	pH units

>: greater than.

<: less than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

## Qualifiers

<i>Qualifier</i>	<i>Description</i>
DLDS	<i>Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.</i>
DLHC	<i>Detection Limit Raised: Dilution required due to high concentration of test analyte(s).</i>
NDOG	<i>No Data Due to Overgrown Plate (Microbiology test). Overcrowded, confluent &amp;/or non-identifiable microbial growth prevented identification &amp; measurement of target coliform colonies.</i>
PEHR	<i>Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.</i>



## Analytical Results

WT2216519-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12590583-10-03-22-JB-MW4-22

Client sampling date / time: 03-Oct-2022 14:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
pH	----	7.51	0.10	pH units	E108	05-Oct-2022	06-Oct-2022	681920
solids, total suspended [TSS]	----	<3.0	3.0	mg/L	E160	-	07-Oct-2022	685672
<b>Anions and Nutrients</b>								
fluoride	16984-48-8	<0.200 <sup>DLDS</sup>	0.200	mg/L	E235.F	05-Oct-2022	05-Oct-2022	681941
Kjeldahl nitrogen, total [TKN]	----	0.470	0.050	mg/L	E318	07-Oct-2022	11-Oct-2022	685666
phosphorus, total	7723-14-0	0.0496	0.0020	mg/L	E372-U	07-Oct-2022	11-Oct-2022	685667
sulfate (as SO4)	14808-79-8	284 <sup>DLDS</sup>	3.00	mg/L	E235.SO4	05-Oct-2022	05-Oct-2022	681942
<b>Cyanides</b>								
cyanide, strong acid dissociable (total)	----	<0.0020	0.0020	mg/L	E333	06-Oct-2022	06-Oct-2022	683990
<b>Inorganic Parameters</b>								
chlorine, total	7782-50-5	<0.050 <sup>PEHR</sup>	0.050	mg/L	E326	-	07-Oct-2022	685631
<b>Microbiological Tests</b>								
coliforms, Escherichia coli [E. coli]	----	4	1	CFU/100mL	E012A.EC	-	04-Oct-2022	679615
coliforms, thermotolerant [fecal]	----	NR <sup>NDQG</sup>	1	CFU/100mL	E012.FC	-	04-Oct-2022	679610
<b>Total Metals</b>								
aluminum, total	7429-90-5	0.0416 <sup>DLHC</sup>	0.0300	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
antimony, total	7440-36-0	<0.00100 <sup>DLHC</sup>	0.00100	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
arsenic, total	7440-38-2	0.00367 <sup>DLHC</sup>	0.00100	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
cadmium, total	7440-43-9	0.0000883 <sup>DLHC</sup>	0.0000500	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
chromium, total	7440-47-3	<0.00500 <sup>DLHC</sup>	0.00500	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
cobalt, total	7440-48-4	0.00498 <sup>DLHC</sup>	0.00100	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
copper, total	7440-50-8	<0.00500 <sup>DLHC</sup>	0.00500	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
lead, total	7439-92-1	<0.000500 <sup>DLHC</sup>	0.000500	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
manganese, total	7439-96-5	2.04 <sup>DLHC</sup>	0.00100	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
mercury, total	7439-97-6	<0.0000050 <sup>DLHC</sup>	0.0000050	mg/L	E508	05-Oct-2022	05-Oct-2022	680874
molybdenum, total	7439-98-7	0.0103 <sup>DLHC</sup>	0.000500	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
nickel, total	7440-02-0	0.0132 <sup>DLHC</sup>	0.00500	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
selenium, total	7782-49-2	<0.000500 <sup>DLHC</sup>	0.000500	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
silver, total	7440-22-4	<0.000100 <sup>DLHC</sup>	0.000100	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
tin, total	7440-31-5	<0.00100 <sup>DLHC</sup>	0.00100	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
titanium, total	7440-32-6	<0.00300 <sup>DLHC</sup>	0.00300	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
zinc, total	7440-66-6	<0.0300 <sup>DLHC</sup>	0.0300	mg/L	E420	05-Oct-2022	05-Oct-2022	680777
<b>Dissolved Metals</b>								
aluminum, dissolved	7429-90-5	<0.0100 <sup>DLHC</sup>	0.0100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
antimony, dissolved	7440-36-0	<0.00100 <sup>DLHC</sup>	0.00100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
arsenic, dissolved	7440-38-2	0.00358 <sup>DLHC</sup>	0.00100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
barium, dissolved	7440-39-3	1.10 <sup>DLHC</sup>	0.00100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
beryllium, dissolved	7440-41-7	<0.000200 <sup>DLHC</sup>	0.000200	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
bismuth, dissolved	7440-69-9	<0.000500 <sup>DLHC</sup>	0.000500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
boron, dissolved	7440-42-8	0.176 <sup>DLHC</sup>	0.100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
cadmium, dissolved	7440-43-9	<0.0000500 <sup>DLHC</sup>	0.0000500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
calcium, dissolved	7440-70-2	402 <sup>DLHC</sup>	0.500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
cesium, dissolved	7440-46-2	<0.000100 <sup>DLHC</sup>	0.000100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
chromium, dissolved	7440-47-3	<0.00500 <sup>DLHC</sup>	0.00500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
cobalt, dissolved	7440-48-4	0.00373 <sup>DLHC</sup>	0.00100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
copper, dissolved	7440-50-8	<0.00200 <sup>DLHC</sup>	0.00200	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
iron, dissolved	7439-89-6	0.104 <sup>DLHC</sup>	0.100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
lead, dissolved	7439-92-1	<0.000500 <sup>DLHC</sup>	0.000500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204



## Analytical Results

WT2216519-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12590583-10-03-22-JB-MW4-22

Client sampling date / time: 03-Oct-2022 14:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Dissolved Metals</b>								
lithium, dissolved	7439-93-2	0.0523 <sup>DLHC</sup>	0.0100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
magnesium, dissolved	7439-95-4	116 <sup>DLHC</sup>	0.0500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
manganese, dissolved	7439-96-5	1.50 <sup>DLHC</sup>	0.00100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
molybdenum, dissolved	7439-98-7	0.0124 <sup>DLHC</sup>	0.000500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
nickel, dissolved	7440-02-0	0.0114 <sup>DLHC</sup>	0.00500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
phosphorus, dissolved	7723-14-0	<0.500 <sup>DLHC</sup>	0.500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
potassium, dissolved	7440-09-7	15.9 <sup>DLHC</sup>	0.500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
rubidium, dissolved	7440-17-7	0.00744 <sup>DLHC</sup>	0.00200	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
selenium, dissolved	7782-49-2	<0.000500 <sup>DLHC</sup>	0.000500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
silicon, dissolved	7440-21-3	7.97 <sup>DLHC</sup>	0.500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
silver, dissolved	7440-22-4	<0.000100 <sup>DLHC</sup>	0.000100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
sodium, dissolved	7440-23-5	979 <sup>DLHC</sup>	0.500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
strontium, dissolved	7440-24-6	3.38 <sup>DLHC</sup>	0.00200	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
sulfur, dissolved	7704-34-9	76.8 <sup>DLHC</sup>	5.00	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
tellurium, dissolved	13494-80-9	<0.00200 <sup>DLHC</sup>	0.00200	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
thallium, dissolved	7440-28-0	<0.000100 <sup>DLHC</sup>	0.000100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
thorium, dissolved	7440-29-1	<0.00100 <sup>DLHC</sup>	0.00100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
tin, dissolved	7440-31-5	<0.00100 <sup>DLHC</sup>	0.00100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
titanium, dissolved	7440-32-6	<0.00300 <sup>DLHC</sup>	0.00300	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
tungsten, dissolved	7440-33-7	<0.00100 <sup>DLHC</sup>	0.00100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
uranium, dissolved	7440-61-1	0.0146 <sup>DLHC</sup>	0.000100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
vanadium, dissolved	7440-62-2	<0.00500 <sup>DLHC</sup>	0.00500	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
zinc, dissolved	7440-66-6	<0.0100 <sup>DLHC</sup>	0.0100	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
zirconium, dissolved	7440-67-7	<0.00300 <sup>DLHC</sup>	0.00300	mg/L	E421	04-Oct-2022	04-Oct-2022	680204
dissolved metals filtration location	----	Field	-	-	EP421	-	04-Oct-2022	680204
<b>Speciated Metals</b>								
chromium, hexavalent [Cr VI], total	18540-29-9	<0.00050	0.00050	mg/L	E532	-	04-Oct-2022	679506
<b>Aggregate Organics</b>								
biochemical oxygen demand [BOD]	----	19.0	2.0	mg/L	E550	-	05-Oct-2022	681368
carbonaceous biochemical oxygen demand [CBOD]	----	17.9	2.0	mg/L	E555	-	05-Oct-2022	681370
oil & grease (gravimetric)	----	<5.0	5.0	mg/L	E567	05-Oct-2022	06-Oct-2022	680768
oil & grease, animal/vegetable (gravimetric)	----	<5.0	5	mg/L	EC567A.SG	-	06-Oct-2022	-
oil & grease, mineral (gravimetric)	----	<5.0	5.0	mg/L	E567SG	05-Oct-2022	06-Oct-2022	680769
phenols, total (4AAP)	----	0.0016	0.0010	mg/L	E562	07-Oct-2022	07-Oct-2022	685668
<b>Volatile Organic Compounds</b>								
benzene	71-43-2	<0.50	0.50	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
chloroform	67-66-3	2.70	0.50	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
dichlorobenzene, 1,4-	106-46-7	<0.50	0.50	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
dichloroethylene, cis-1,2-	156-59-2	<0.50	0.50	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
dichloromethane	75-09-2	1.0	1.0	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
dichloropropylene, trans-1,3-	10061-02-6	<0.30	0.30	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
methyl ethyl ketone [MEK]	78-93-3	<20	20	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
styrene	100-42-5	<0.50	0.50	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
tetrachloroethane, 1,1,2,2-	79-34-5	<0.50	0.50	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
tetrachloroethylene	127-18-4	<0.50	0.50	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
toluene	108-88-3	<0.50	0.50	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011



## Analytical Results

WT2216519-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: GW-12590583-10-03-22-JB-MW4-22

Client sampling date / time: 03-Oct-2022 14:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Volatile Organic Compounds</b>								
trichloroethylene	79-01-6	<0.50	0.50	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
xylene, o-	95-47-6	<0.30	0.30	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611D	04-Oct-2022	04-Oct-2022	680011
<b>Volatile Organic Compounds Surrogates</b>								
bromofluorobenzene, 4-	460-00-4	91.8	1.0	%	E611D	04-Oct-2022	04-Oct-2022	680011
difluorobenzene, 1,4-	540-36-3	96.7	1.0	%	E611D	04-Oct-2022	04-Oct-2022	680011
<b>Polycyclic Aromatic Hydrocarbons</b>								
acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
anthracene	120-12-7	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
chrysene	218-01-9	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
fluorene	86-73-7	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
naphthalene	91-20-3	<0.050	0.050	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
pyrene	129-00-0	<0.010	0.010	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
PAHs, total (CCME Sewer 18)	n/a	<0.070	0.07	µg/L	E641A	04-Oct-2022	05-Oct-2022	679511
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
chrysene-d12	1719-03-5	110	0.1	%	E641A	04-Oct-2022	05-Oct-2022	679511
naphthalene-d8	1146-65-2	105	0.1	%	E641A	04-Oct-2022	05-Oct-2022	679511
phenanthrene-d10	1517-22-2	105	0.1	%	E641A	04-Oct-2022	05-Oct-2022	679511
<b>Phthalate Esters</b>								
bis(2-ethylhexyl) phthalate [DEHP]	117-81-7	<2.0	2.0	µg/L	E655F	04-Oct-2022	05-Oct-2022	679436
di-n-butyl phthalate	84-74-2	<1.0	1.0	µg/L	E655F	04-Oct-2022	05-Oct-2022	679436
<b>Semi-Volatile Organics Surrogates</b>								
fluorobiphenyl, 2-	321-60-8	96.1	1.0	%	E655F	04-Oct-2022	05-Oct-2022	679436
terphenyl-d14, p-	1718-51-0	75.9	1.0	%	E655F	04-Oct-2022	05-Oct-2022	679436
<b>Phenolics Surrogates</b>								
tribromophenol, 2,4,6-	118-79-6	109	0.22	%	E655F	04-Oct-2022	05-Oct-2022	679436
<b>Nonylphenols</b>								
nonylphenol diethoxylates [NP2EO]	n/a	<0.10	0.10	µg/L	E749B	06-Oct-2022	11-Oct-2022	682900
nonylphenol ethoxylates, total	n/a	<2.0	2.0	µg/L	E749B	06-Oct-2022	11-Oct-2022	682900
nonylphenol monoethoxylates [NP1EO]	n/a	<2.0	2.0	µg/L	E749B	06-Oct-2022	11-Oct-2022	682900
nonylphenols [NP]	84852-15-3	<1.0	1.0	µg/L	E749A	06-Oct-2022	11-Oct-2022	682899
<b>Polychlorinated Biphenyls</b>								
Aroclor 1016	12674-11-2	<0.020	0.020	µg/L	E687	04-Oct-2022	05-Oct-2022	679975
Aroclor 1221	11104-28-2	<0.020	0.020	µg/L	E687	04-Oct-2022	05-Oct-2022	679975
Aroclor 1232	11141-16-5	<0.020	0.020	µg/L	E687	04-Oct-2022	05-Oct-2022	679975



## Analytical Results

WT2216519-001

Sub-Matrix: **Water**

(Matrix: **Water**)

Client sample ID: GW-12590583-10-03-22-JB-MW4-22

Client sampling date / time: 03-Oct-2022 14:30

Analyte	CAS Number	Result	LOR	Unit	Method	Prep Date	Analysis Date	QCLot
<b>Polychlorinated Biphenyls</b>								
<b>Aroclor 1242</b>	53469-21-9	<0.020	0.020	µg/L	E687	04-Oct-2022	05-Oct-2022	679975
<b>Aroclor 1248</b>	12672-29-6	<0.020	0.020	µg/L	E687	04-Oct-2022	05-Oct-2022	679975
<b>Aroclor 1254</b>	11097-69-1	<0.020	0.020	µg/L	E687	04-Oct-2022	05-Oct-2022	679975
<b>Aroclor 1260</b>	11096-82-5	<0.020	0.020	µg/L	E687	04-Oct-2022	05-Oct-2022	679975
<b>Aroclor 1262</b>	37324-23-5	<0.020	0.020	µg/L	E687	04-Oct-2022	05-Oct-2022	679975
<b>Aroclor 1268</b>	11100-14-4	<0.020	0.020	µg/L	E687	04-Oct-2022	05-Oct-2022	679975
<b>polychlorinated biphenyls [PCBs], total</b>	----	<0.060	0.060	µg/L	E687	04-Oct-2022	05-Oct-2022	679975
<b>Polychlorinated Biphenyls Surrogates</b>								
<b>decachlorobiphenyl</b>	2051-24-3	91.7	0.1	%	E687	04-Oct-2022	05-Oct-2022	679975
<b>tetrachloro-m-xylene</b>	877-09-8	88.3	0.1	%	E687	04-Oct-2022	05-Oct-2022	679975

Please refer to the General Comments section for an explanation of any qualifiers detected.

## QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: <b>WT2216519</b>	Page	: 1 of 13
Client	: <b>GHD Limited</b>	Laboratory	: Waterloo - Environmental
Contact	: Jennifer Balkwill	Account Manager	: Rick Hawthorne
Address	: 455 Phillip Street Waterloo ON Canada N2L 3X2	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: ----	Telephone	: +1 519 886 6910
Project	: 12590583-003.002	Date Samples Received	: 04-Oct-2022 10:00
PO	: 735-004457	Issue Date	: 13-Oct-2022 15:47
C-O-C number	: ----		
Sampler	: Jeffrey Bisson		
Site	: ----		
Quote number	: 12590583-003.002 SSOW 735-004457		
No. of samples received	: 2		
No. of samples analysed	: 1		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

### Key

**Anonymous:** Refers to samples which are not part of this work order, but which formed part of the QC process lot.

**CAS Number:** Chemical Abstracts Service number is a unique identifier assigned to discrete substances.

**DQO:** Data Quality Objective.

**LOR:** Limit of Reporting (detection limit).

**RPD:** Relative Percent Difference.

### **Workorder Comments**

Holding times are displayed as "----" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

### **Summary of Outliers**

#### **Outliers : Quality Control Samples**

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

#### **Outliers: Reference Material (RM) Samples**

- No Reference Material (RM) Sample outliers occur.

#### **Outliers : Analysis Holding Time Compliance (Breaches)**

- Analysis Holding Time Outliers exist - please see following pages for full details.

#### **Outliers : Frequency of Quality Control Samples**

- Quality Control Sample Frequency Outliers occur - please see following pages for full details.





## Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Aggregate Organics : Biochemical Oxygen Demand - 5 day</b>											
<b>HDPE [BOD HT-4d]</b> GW-12590583-10-03-22-JB-MW4-22	E550	03-Oct-2022	----	----	----		05-Oct-2022	4 days	1 days	✓	
<b>Aggregate Organics : Biochemical Oxygen Demand (Carbonaceous) - 5 day</b>											
<b>HDPE [BOD HT-4d]</b> GW-12590583-10-03-22-JB-MW4-22	E555	03-Oct-2022	----	----	----		05-Oct-2022	4 days	1 days	✓	
<b>Aggregate Organics : Mineral Oil &amp; Grease by Gravimetry</b>											
<b>Amber glass (hydrochloric acid)</b> GW-12590583-10-03-22-JB-MW4-22	E567SG	03-Oct-2022	05-Oct-2022	28 days	2 days	✓	06-Oct-2022	40 days	1 days	✓	
<b>Aggregate Organics : Oil &amp; Grease by Gravimetry</b>											
<b>Amber glass (hydrochloric acid)</b> GW-12590583-10-03-22-JB-MW4-22	E567	03-Oct-2022	05-Oct-2022	28 days	2 days	✓	06-Oct-2022	40 days	1 days	✓	
<b>Aggregate Organics : Phenols (4AAP) in Water by Colorimetry</b>											
<b>Amber glass total (sulfuric acid) [ON MECP]</b> GW-12590583-10-03-22-JB-MW4-22	E562	03-Oct-2022	07-Oct-2022	28 days	4 days	✓	07-Oct-2022	24 days	0 days	✓	
<b>Anions and Nutrients : Fluoride in Water by IC</b>											
<b>HDPE [ON MECP]</b> GW-12590583-10-03-22-JB-MW4-22	E235.F	03-Oct-2022	05-Oct-2022	----	----		05-Oct-2022	28 days	2 days	✓	
<b>Anions and Nutrients : Sulfate in Water by IC</b>											
<b>HDPE [ON MECP]</b> GW-12590583-10-03-22-JB-MW4-22	E235.SO4	03-Oct-2022	05-Oct-2022	----	----		05-Oct-2022	28 days	2 days	✓	



Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)</b>											
<b>Amber glass total (sulfuric acid) [ON MECP]</b> GW-12590583-10-03-22-JB-MW4-22	E318	03-Oct-2022	07-Oct-2022	----	----		11-Oct-2022	28 days	8 days	✓	
<b>Anions and Nutrients : Total Phosphorus by Colourimetry (0.002 mg/L)</b>											
<b>Amber glass total (sulfuric acid) [ON MECP]</b> GW-12590583-10-03-22-JB-MW4-22	E372-U	03-Oct-2022	07-Oct-2022	----	----		11-Oct-2022	28 days	8 days	✓	
<b>Cyanides : Total Cyanide</b>											
<b>HDPE - total (sodium hydroxide)</b> GW-12590583-10-03-22-JB-MW4-22	E333	03-Oct-2022	06-Oct-2022	----	----		06-Oct-2022	14 days	3 days	✓	
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>											
<b>HDPE dissolved (nitric acid)</b> GW-12590583-10-03-22-JB-MW4-22	E421	03-Oct-2022	04-Oct-2022	----	----		04-Oct-2022	180 days	1 days	✓	
<b>Inorganic Parameters : Total Chlorine (Residual) by DPD Colourimetry</b>											
<b>HDPE [ON MECP]</b> GW-12590583-10-03-22-JB-MW4-22	E326	03-Oct-2022	----	----	----		07-Oct-2022	0.25 hrs	94 hrs	* EHTR-FM	
<b>Microbiological Tests : E. coli (MF-mFC-BCIG)</b>											
<b>Sterile HDPE (Sodium thiosulphate) [ON MECP]</b> GW-12590583-10-03-22-JB-MW4-22	E012A.EC	03-Oct-2022	----	----	----		04-Oct-2022	48 hrs	22 hrs	✓	
<b>Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)</b>											
<b>Sterile HDPE (Sodium thiosulphate) [ON MECP]</b> GW-12590583-10-03-22-JB-MW4-22	E012.FC	03-Oct-2022	----	----	----		04-Oct-2022	48 hrs	22 hrs	✓	
<b>Nonylphenols : Nonylphenol Ethoxylates in Water by LC-MS-MS Positive Mode</b>											
<b>Amber glass/Teflon lined cap - LCMS</b> GW-12590583-10-03-22-JB-MW4-22	E749B	03-Oct-2022	06-Oct-2022	7 days	3 days	✓	11-Oct-2022	7 days	5 days	✓	
<b>Nonylphenols : Nonylphenol, Octylphenol and BPA in Water by LC-MS-MS Negative Mode</b>											
<b>Amber glass/Teflon lined cap - LCMS</b> GW-12590583-10-03-22-JB-MW4-22	E749A	03-Oct-2022	06-Oct-2022	7 days	3 days	✓	11-Oct-2022	7 days	5 days	✓	



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec Actual		Eval	Analysis Date	Holding Times Rec Actual		Eval
<b>Phthalate Esters : BNA (Ontario Sanitary Sewer SVOC Target List) by GC-MS</b>										
<b>Amber glass/Teflon lined cap [ON MECP]</b> GW-12590583-10-03-22-JB-MW4-22	E655F	03-Oct-2022	04-Oct-2022	14 days	1 days	✔	05-Oct-2022	40 days	1 days	✔
<b>Physical Tests : pH by Meter</b>										
<b>HDPE [ON MECP]</b> GW-12590583-10-03-22-JB-MW4-22	E108	03-Oct-2022	05-Oct-2022	----	----		06-Oct-2022	14 days	3 days	✔
<b>Physical Tests : TSS by Gravimetry</b>										
<b>HDPE [ON MECP]</b> GW-12590583-10-03-22-JB-MW4-22	E160	03-Oct-2022	----	----	----		07-Oct-2022	7 days	4 days	✔
<b>Polychlorinated Biphenyls : PCB Aroclors by GC-MS</b>										
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12590583-10-03-22-JB-MW4-22	E687	03-Oct-2022	04-Oct-2022	14 days	1 days	✔	05-Oct-2022	40 days	1 days	✔
<b>Polycyclic Aromatic Hydrocarbons : PAHs by Hexane LVI GC-MS</b>										
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> GW-12590583-10-03-22-JB-MW4-22	E641A	03-Oct-2022	04-Oct-2022	14 days	1 days	✔	05-Oct-2022	40 days	1 days	✔
<b>Speciated Metals : Total Hexavalent Chromium (Cr VI) by IC</b>										
<b>HDPE - total (sodium hydroxide)</b> GW-12590583-10-03-22-JB-MW4-22	E532	03-Oct-2022	----	----	----		04-Oct-2022	28 days	1 days	✔
<b>Total Metals : Total Mercury in Water by CVAAS</b>										
<b>Glass vial total (hydrochloric acid) [ON MECP]</b> GW-12590583-10-03-22-JB-MW4-22	E508	03-Oct-2022	05-Oct-2022	----	----		05-Oct-2022	28 days	2 days	✔
<b>Total Metals : Total metals in Water by CRC ICPMS</b>										
<b>HDPE total (nitric acid)</b> GW-12590583-10-03-22-JB-MW4-22	E420	03-Oct-2022	05-Oct-2022	----	----		05-Oct-2022	180 days	2 days	✔
<b>Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS</b>										
<b>Glass vial (sodium bisulfate)</b> GW-12590583-10-03-22-JB-MW4-22	E611D	03-Oct-2022	04-Oct-2022	----	----		04-Oct-2022	14 days	1 days	✔

**Legend & Qualifier Definitions**

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

Page : 6 of 13  
Work Order : WT2216519  
Client : GHD Limited  
Project : 12590583-003.002

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Rec. HT: ALS recommended hold time (see units).

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## Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water** Evaluation: ✖ = QC frequency outside specification; ✔ = QC frequency within specification.

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		Evaluation
			QC	Regular	Actual	Expected	
<b>Analytical Methods</b>							
<b>Laboratory Duplicates (DUP)</b>							
Biochemical Oxygen Demand - 5 day	E550	681368	1	12	8.3	5.0	✔
Biochemical Oxygen Demand (Carbonaceous) - 5 day	E555	681370	1	9	11.1	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	680204	1	18	5.5	5.0	✔
E. coli (MF-mFC-BCIG)	E012A.EC	679615	0	7	0.0	5.0	✖
Fluoride in Water by IC	E235.F	681941	1	6	16.6	5.0	✔
Nonylphenol Ethoxylates in Water by LC-MS-MS Positive Mode	E749B	682900	1	9	11.1	5.0	✔
Nonylphenol, Octylphenol and BPA in Water by LC-MS-MS Negative Mode	E749A	682899	1	9	11.1	5.0	✔
pH by Meter	E108	681920	1	14	7.1	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	685668	1	15	6.6	5.0	✔
Sulfate in Water by IC	E235.SO4	681942	1	6	16.6	5.0	✔
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	679610	0	10	0.0	5.0	✖
Total Chlorine (Residual) by DPD Colourimetry	E326	685631	1	3	33.3	5.0	✔
Total Cyanide	E333	683990	1	19	5.2	5.0	✔
Total Hexavalent Chromium (Cr VI) by IC	E532	679506	1	20	5.0	5.0	✔
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	685666	1	20	5.0	5.0	✔
Total Mercury in Water by CVAAS	E508	680874	1	19	5.2	5.0	✔
Total metals in Water by CRC ICPMS	E420	680777	1	17	5.8	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	685667	1	20	5.0	5.0	✔
TSS by Gravimetry	E160	685672	1	20	5.0	4.7	✔
VOCs (Eastern Canada List) by Headspace GC-MS	E611D	680011	1	15	6.6	5.0	✔
<b>Laboratory Control Samples (LCS)</b>							
Biochemical Oxygen Demand - 5 day	E550	681368	1	12	8.3	5.0	✔
Biochemical Oxygen Demand (Carbonaceous) - 5 day	E555	681370	1	9	11.1	5.0	✔
BNA (Ontario Sanitary Sewer SVOC Target List) by GC-MS	E655F	679436	1	1	100.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	680204	1	18	5.5	5.0	✔
Fluoride in Water by IC	E235.F	681941	1	6	16.6	5.0	✔
Mineral Oil & Grease by Gravimetry	E567SG	680769	1	12	8.3	5.0	✔
Nonylphenol Ethoxylates in Water by LC-MS-MS Positive Mode	E749B	682900	1	9	11.1	5.0	✔
Nonylphenol, Octylphenol and BPA in Water by LC-MS-MS Negative Mode	E749A	682899	1	9	11.1	5.0	✔
Oil & Grease by Gravimetry	E567	680768	1	20	5.0	5.0	✔
PAHs by Hexane LVI GC-MS	E641A	679511	1	3	33.3	5.0	✔
PCB Aroclors by GC-MS	E687	679975	1	1	100.0	4.7	✔
pH by Meter	E108	681920	1	14	7.1	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	685668	1	15	6.6	5.0	✔
Sulfate in Water by IC	E235.SO4	681942	1	6	16.6	5.0	✔
Total Chlorine (Residual) by DPD Colourimetry	E326	685631	1	3	33.3	5.0	✔
Total Cyanide	E333	683990	1	19	5.2	5.0	✔



Matrix: **Water**

Evaluation: \* = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		Evaluation
			QC	Regular	Actual	Expected	
<b>Analytical Methods</b>							
<b>Laboratory Control Samples (LCS) - Continued</b>							
Total Hexavalent Chromium (Cr VI) by IC	E532	679506	1	20	5.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	685666	1	20	5.0	5.0	✓
Total Mercury in Water by CVAAS	E508	680874	1	19	5.2	5.0	✓
Total metals in Water by CRC ICPMS	E420	680777	1	17	5.8	5.0	✓
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	685667	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	685672	1	20	5.0	4.7	✓
VOCs (Eastern Canada List) by Headspace GC-MS	E611D	680011	1	15	6.6	5.0	✓
<b>Method Blanks (MB)</b>							
Biochemical Oxygen Demand - 5 day	E550	681368	1	12	8.3	5.0	✓
Biochemical Oxygen Demand (Carbonaceous) - 5 day	E555	681370	1	9	11.1	5.0	✓
BNA (Ontario Sanitary Sewer SVOC Target List) by GC-MS	E655F	679436	1	1	100.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	680204	1	18	5.5	5.0	✓
E. coli (MF-mFC-BCIG)	E012A.EC	679615	1	7	14.2	5.0	✓
Fluoride in Water by IC	E235.F	681941	1	6	16.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	680769	1	12	8.3	5.0	✓
Nonylphenol Ethoxylates in Water by LC-MS-MS Positive Mode	E749B	682900	1	9	11.1	5.0	✓
Nonylphenol, Octylphenol and BPA in Water by LC-MS-MS Negative Mode	E749A	682899	1	9	11.1	5.0	✓
Oil & Grease by Gravimetry	E567	680768	1	20	5.0	5.0	✓
PAHs by Hexane LVI GC-MS	E641A	679511	1	3	33.3	5.0	✓
PCB Aroclors by GC-MS	E687	679975	1	1	100.0	4.7	✓
Phenols (4AAP) in Water by Colorimetry	E562	685668	1	15	6.6	5.0	✓
Sulfate in Water by IC	E235.SO4	681942	1	6	16.6	5.0	✓
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	679610	1	10	10.0	5.0	✓
Total Chlorine (Residual) by DPD Colourimetry	E326	685631	1	3	33.3	5.0	✓
Total Cyanide	E333	683990	1	19	5.2	5.0	✓
Total Hexavalent Chromium (Cr VI) by IC	E532	679506	1	20	5.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	685666	1	20	5.0	5.0	✓
Total Mercury in Water by CVAAS	E508	680874	1	19	5.2	5.0	✓
Total metals in Water by CRC ICPMS	E420	680777	1	17	5.8	5.0	✓
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	685667	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	685672	1	20	5.0	4.7	✓
VOCs (Eastern Canada List) by Headspace GC-MS	E611D	680011	1	15	6.6	5.0	✓
<b>Matrix Spikes (MS)</b>							
Dissolved Metals in Water by CRC ICPMS	E421	680204	1	18	5.5	5.0	✓
Fluoride in Water by IC	E235.F	681941	1	6	16.6	5.0	✓
Nonylphenol Ethoxylates in Water by LC-MS-MS Positive Mode	E749B	682900	1	9	11.1	5.0	✓
Nonylphenol, Octylphenol and BPA in Water by LC-MS-MS Negative Mode	E749A	682899	1	9	11.1	5.0	✓
Phenols (4AAP) in Water by Colorimetry	E562	685668	1	15	6.6	5.0	✓
Sulfate in Water by IC	E235.SO4	681942	1	6	16.6	5.0	✓
Total Chlorine (Residual) by DPD Colourimetry	E326	685631	1	3	33.3	5.0	✓



Matrix: **Water** Evaluation: ✖ = QC frequency outside specification; ✔ = QC frequency within specification.

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		
			QC	Regular	Actual	Expected	Evaluation
<i>Analytical Methods</i>							
<b>Matrix Spikes (MS) - Continued</b>							
Total Cyanide	E333	683990	1	19	5.2	5.0	✔
Total Hexavalent Chromium (Cr VI) by IC	E532	679506	1	20	5.0	5.0	✔
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	685666	1	20	5.0	5.0	✔
Total Mercury in Water by CVAAS	E508	680874	1	19	5.2	5.0	✔
Total metals in Water by CRC ICPMS	E420	680777	1	17	5.8	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	685667	1	20	5.0	5.0	✔
VOCs (Eastern Canada List) by Headspace GC-MS	E611D	680011	1	15	6.6	5.0	✔



## Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC Waterloo - Environmental	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ± 0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
E. coli (MF-mFC-BCIG)	E012A.EC Waterloo - Environmental	Water	ON E3433 (mod)	Following filtration (0.45 µm), and incubation at 44.5 ± 0.2°C for 24 hours, colonies exhibiting characteristic morphology of the target organism are enumerated.
pH by Meter	E108 Waterloo - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
TSS by Gravimetry	E160 Waterloo - Environmental	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
Fluoride in Water by IC	E235.F Waterloo - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Waterloo - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Waterloo - Environmental	Water	Method Fialab 100, 2018	TKN in water is determined by automated continuous flow analysis with membrane diffusion and fluorescence detection, after reaction with OPA (ortho-phthalaldehyde). This method is approved under US EPA 40 CFR Part 136 (May 2021).
Total Chlorine (Residual) by DPD Colourimetry	E326 Waterloo - Environmental	Water	APHA 4500-Cl G (mod)	Chlorine (residual), as free or total, is analyzed using the DPD colourimetric method. The recommended hold time for this test is 15 minutes and field testing is recommended when determining Chlorine concentrations at the time of sampling.  Chlorine if present in a sample container after sampling can be rapidly consumed by any inorganic or organic matter in the sample and dissipates rapidly into headspace.  Laboratory results may be requested when chlorine concentrations that may be present at the time of laboratory analysis are required for the interpretation of other laboratory analysis where the presence of Chlorine may affect results. e.g. laboratory toxicity testing



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Cyanide	E333 Waterloo - Environmental	Water	ISO 14403 (mod)	Total or Strong Acid Dissociable (SAD) Cyanide is determined by Continuous Flow Analyzer (CFA) with in-line UV digestion followed by colourmetric analysis.  Method Limitation: High levels of thiocyanate (SCN) may cause positive interference (up to 0.5% of SCN concentration).
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U Waterloo - Environmental	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Total metals in Water by CRC ICPMS	E420 Waterloo - Environmental	Water	EPA 200.2/6020B (mod)	Water samples are digested with nitric and hydrochloric acids, and analyzed by Collision/Reaction Cell ICPMS.  Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Metals in Water by CRC ICPMS	E421 Waterloo - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS.  Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Total Mercury in Water by CVAAS	E508 Waterloo - Environmental	Water	EPA 1631E (mod)	Water samples undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS
Total Hexavalent Chromium (Cr VI) by IC	E532 Waterloo - Environmental	Water	APHA 3500-Cr C (Ion Chromatography)	Hexavalent Chromium is measured by Ion chromatography-Post column reaction and UV detection.  Results are based on an un-filtered, field-preserved sample.
Biochemical Oxygen Demand - 5 day	E550 Waterloo - Environmental	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter.  Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Biochemical Oxygen Demand (Carbonaceous) - 5 day	E555 Waterloo - Environmental	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Nitrification inhibitor is added to samples to prevent nitrogenous compounds from consuming oxygen resulting in only carbonaceous oxygen demand being reported by this method.  Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Phenols (4AAP) in Water by Colorimetry	E562 Waterloo - Environmental	Water	EPA 9066	This automated method is based on the distillation of phenol and subsequent reaction of the distillate with alkaline ferricyanide (K <sub>3</sub> Fe(CN) <sub>6</sub> ) and 4-amino-antipyrine (4-AAP) to form a red complex which is measured colorimetrically.



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease by Gravimetry	E567 Waterloo - Environmental	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane and the extract is evaporated to dryness. The residue is then weighed to determine Oil and Grease.
Mineral Oil & Grease by Gravimetry	E567SG Waterloo - Environmental	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
VOCs (Eastern Canada List) by Headspace GC-MS	E611D Waterloo - Environmental	Water	EPA 8260D (mod)	Volatile Organic Compounds (VOCs) are analyzed by static headspace GC-MS. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law.
PAHs by Hexane LVI GC-MS	E641A Waterloo - Environmental	Water	EPA 8270E (mod)	Polycyclic Aromatic Hydrocarbons (PAHs) are analyzed by large volume injection (LVI) GC-MS.
BNA (Ontario Sanitary Sewer SVOC Target List) by GC-MS	E655F Waterloo - Environmental	Water	EPA 8270E (mod)	BNA are analyzed by GC-MS.
PCB Aroclors by GC-MS	E687 Waterloo - Environmental	Water	EPA 8270E (mod)	PCB Aroclors are analyzed by GC-MS
Nonylphenol, Octylphenol and BPA in Water by LC-MS-MS Negative Mode	E749A Waterloo - Environmental	Water	J. Chrom A849 (1999) p.467-482	An aliquot of 5.0 ± 0.10 mL of filtered sample is spiked with Nonylphenol-D4, Nonylphenol Diethoxylate 13C6, and Bisphenol A 13C12 internal standards and analyzed by LC-MS/MS.
Nonylphenol Ethoxylates in Water by LC-MS-MS Positive Mode	E749B Waterloo - Environmental	Water	J. Chrom A849 (1999) p.467-482	Water samples are filtered and analyzed on LCMS/MS by direct injection.
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG Waterloo - Environmental	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)
Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Digestion for TKN in water	EP318 Waterloo - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested at high temperature using Sulfuric Acid with Copper catalyst, which converts organic nitrogen sources to Ammonia, which is then quantified by the analytical method as TKN. This method is unsuitable for samples containing high levels of nitrate. If nitrate exceeds TKN concentration by ten times or more, results may be biased low.
Digestion for Total Phosphorus in water	EP372	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.



Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
	Waterloo - Environmental			
Dissolved Metals Water Filtration	EP421	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.
	Waterloo - Environmental			
Oil & Grease Extraction for Gravimetry	EP567	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.
	Waterloo - Environmental			
VOCs Preparation for Headspace Analysis	EP581	Water	EPA 5021A (mod)	Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler. An aliquot of the headspace is then injected into the GC/MS-FID system.
	Waterloo - Environmental			
PHCs and PAHs Hexane Extraction	EP601	Water	EPA 3511 (mod)	Petroleum Hydrocarbons (PHCs) and Polycyclic Aromatic Hydrocarbons (PAHs) are extracted using a hexane liquid-liquid extraction.
	Waterloo - Environmental			
BNA Extraction	EP655	Water	EPA 3510C (mod)	SVOCs are extracted from aqueous sample using DCM liquid-liquid extraction.
	Waterloo - Environmental			
Pesticides, PCB, and Neutral Extractable Chlorinated Hydrocarbons Extraction	EP660	Water	EPA 3511 (mod)	Samples are extracted from aqueous sample using an organic solvent liquid-liquid extraction.
	Waterloo - Environmental			
Preparation of Nonylphenol and Nonylphenol Ethoxylates	EP749	Water	J. Chrom A849 (1999) p.467-482	An aliquot of 5.0 ± 0.10 mL of filtered sample is spiked with Nonylphenol-D4, Nonylphenol Diethoxylate 13C6, and Bisphenol A 13C12 internal standards and analyzed by LC-MS/MS.
	Waterloo - Environmental			



## QUALITY CONTROL REPORT

**Work Order** : **WT2216519**

**Client** : GHD Limited

**Contact** : Jennifer Balkwill

**Address** : 455 Phillip Street  
Waterloo ON Canada N2L 3X2

**Telephone** : ----

**Project** : 12590583-003.002

**PO** : 735-004457

**C-O-C number** : ----

**Sampler** : Jeffrey Bisson

**Site** : ----

**Quote number** : 12590583-003.002 SSOW 735-004457

**No. of samples received** : 2

**No. of samples analysed** : 1

**Page** : 1 of 20

**Laboratory** : Waterloo - Environmental

**Account Manager** : Rick Hawthorne

**Address** : 60 Northland Road, Unit 1  
Waterloo, Ontario Canada N2V 2B8

**Telephone** : +1 519 886 6910

**Date Samples Received** : 04-Oct-2022 10:00

**Date Analysis Commenced** : 04-Oct-2022

**Issue Date** : 13-Oct-2022 15:47

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Matrix Spike (MS) Report; Recovery and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Adam Boettger	Team Leader - LCMS	Waterloo LCMS, Waterloo, Ontario
Amanda Ganouri-Lumsden	Department Manager - Microbiology and Prep	Waterloo Microbiology, Waterloo, Ontario
Greg Pokocky	Supervisor - Inorganic	Waterloo Inorganics, Waterloo, Ontario
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Jon Fisher	Department Manager - Inorganics	Waterloo Inorganics, Waterloo, Ontario
Jon Fisher	Department Manager - Inorganics	Waterloo Metals, Waterloo, Ontario
Joseph Scharbach		Waterloo Organics, Waterloo, Ontario
Rachel Cameron	Team Leader - Semi-Volatile Organics	Waterloo Organics, Waterloo, Ontario
Sarah Birch	Team Leader - Volatiles	Waterloo Organics, Waterloo, Ontario



## **General Comments**

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.

CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.

DQO = Data Quality Objective.

LOR = Limit of Reporting (detection limit).

RPD = Relative Percent Difference

# = Indicates a QC result that did not meet the ALS DQO.

## **Workorder Comments**

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Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

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### Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: <b>Water</b>					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
<b>Physical Tests (QC Lot: 681920)</b>											
WT2216531-001	Anonymous	pH	----	E108	0.10	pH units	7.70	7.75	0.647%	4%	----
<b>Physical Tests (QC Lot: 685672)</b>											
WT2216451-001	Anonymous	solids, total suspended [TSS]	----	E160	3.0	mg/L	8.1	8.5	0.4	Diff <2x LOR	----
<b>Anions and Nutrients (QC Lot: 681941)</b>											
WT2216757-001	Anonymous	fluoride	16984-48-8	E235.F	0.020	mg/L	<0.020	<0.020	0	Diff <2x LOR	----
<b>Anions and Nutrients (QC Lot: 681942)</b>											
WT2216757-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	<0.30	<0.30	0	Diff <2x LOR	----
<b>Anions and Nutrients (QC Lot: 685666)</b>											
WT2216448-001	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	0.050	mg/L	2.99	2.97	0.671%	20%	----
<b>Anions and Nutrients (QC Lot: 685667)</b>											
WT2216448-001	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	0.0050	0.0046	0.0003	Diff <2x LOR	----
<b>Cyanides (QC Lot: 683990)</b>											
TY2202330-003	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.0020	mg/L	<0.0020	<0.0020	0	Diff <2x LOR	----
<b>Inorganic Parameters (QC Lot: 685631)</b>											
WT2216519-001	GW-12590583-10-03-22-JB -MW4-22	chlorine, total	7782-50-5	E326	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----
<b>Total Metals (QC Lot: 680777)</b>											
WT2216498-001	Anonymous	aluminum, total	7429-90-5	E420	0.0300	mg/L	0.180	0.195	0.0149	Diff <2x LOR	----
		antimony, total	7440-36-0	E420	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		arsenic, total	7440-38-2	E420	0.00100	mg/L	0.00140	0.00150	0.00010	Diff <2x LOR	----
		cadmium, total	7440-43-9	E420	0.0000500	mg/L	<0.0000500	<0.0000500	0	Diff <2x LOR	----
		chromium, total	7440-47-3	E420	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		cobalt, total	7440-48-4	E420	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		copper, total	7440-50-8	E420	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		lead, total	7439-92-1	E420	0.000500	mg/L	<0.000500	<0.000500	0	Diff <2x LOR	----
		manganese, total	7439-96-5	E420	0.00100	mg/L	0.196	0.199	1.64%	20%	----
		molybdenum, total	7439-98-7	E420	0.000500	mg/L	0.00198	0.00194	0.000038	Diff <2x LOR	----
		nickel, total	7440-02-0	E420	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		selenium, total	7782-49-2	E420	0.000500	mg/L	<0.000500	<0.000500	0	Diff <2x LOR	----
		silver, total	7440-22-4	E420	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		tin, total	7440-31-5	E420	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----



Sub-Matrix: **Water**

Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
<b>Total Metals (QC Lot: 680777) - continued</b>											
WT2216498-001	Anonymous	titanium, total	7440-32-6	E420	0.00600	mg/L	<0.00600	<0.00600	0	Diff <2x LOR	----
		zinc, total	7440-66-6	E420	0.0300	mg/L	<0.0300	<0.0300	0	Diff <2x LOR	----
<b>Total Metals (QC Lot: 680874)</b>											
WT2216465-006	Anonymous	mercury, total	7439-97-6	E508	0.0000050	mg/L	0.0000051	<0.0000050	0.0000001	Diff <2x LOR	----
<b>Dissolved Metals (QC Lot: 680204)</b>											
TY2202396-001	Anonymous	aluminum, dissolved	7429-90-5	E421	0.0010	mg/L	0.0067	0.0065	0.0002	Diff <2x LOR	----
		antimony, dissolved	7440-36-0	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00010	mg/L	0.00024	0.00023	0.00001	Diff <2x LOR	----
		barium, dissolved	7440-39-3	E421	0.00010	mg/L	0.0457	0.0453	0.986%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.010	mg/L	<0.010	<0.010	0	Diff <2x LOR	----
		cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L	<0.0000050	<0.0000050	0	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	0.050	mg/L	18.3	18.6	1.71%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000010	mg/L	0.000011	0.000011	0.0000001	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.00050	mg/L	0.00072	0.00072	0.000005	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00020	mg/L	0.00172	0.00177	0.00004	Diff <2x LOR	----
		iron, dissolved	7439-89-6	E421	0.010	mg/L	<0.010	<0.010	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0010	mg/L	<0.0010	<0.0010	0	Diff <2x LOR	----
		magnesium, dissolved	7439-95-4	E421	0.0050	mg/L	1.16	1.18	2.12%	20%	----
		manganese, dissolved	7439-96-5	E421	0.00010	mg/L	0.00079	0.00077	0.00002	Diff <2x LOR	----
		molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L	0.000606	0.000563	7.34%	20%	----
		nickel, dissolved	7440-02-0	E421	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	0.050	mg/L	0.732	0.753	2.76%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00020	mg/L	0.00133	0.00143	0.00009	Diff <2x LOR	----
		selenium, dissolved	7782-49-2	E421	0.000050	mg/L	0.000185	0.000195	0.000010	Diff <2x LOR	----
		silicon, dissolved	7440-21-3	E421	0.050	mg/L	4.87	4.85	0.398%	20%	----
		silver, dissolved	7440-22-4	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		sodium, dissolved	7440-23-5	E421	0.050	mg/L	8.30	8.52	2.61%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00020	mg/L	0.128	0.126	1.65%	20%	----
		sulfur, dissolved	7704-34-9	E421	0.50	mg/L	2.04	2.06	0.02	Diff <2x LOR	----
		tellurium, dissolved	13494-80-9	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----



Sub-Matrix: **Water**

Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
<b>Dissolved Metals (QC Lot: 680204) - continued</b>											
TY2202396-001	Anonymous	thallium, dissolved	7440-28-0	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00010	mg/L	0.0140	0.0138	1.56%	20%	----
		uranium, dissolved	7440-61-1	E421	0.000010	mg/L	0.000404	0.000395	2.38%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0010	mg/L	0.0011	0.0011	0.000006	Diff <2x LOR	----
		zirconium, dissolved	7440-67-7	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----
<b>Speciated Metals (QC Lot: 679506)</b>											
RG2201380-001	Anonymous	chromium, hexavalent [Cr VI], total	18540-29-9	E532	0.00050	mg/L	0.00058	0.00055	0.00003	Diff <2x LOR	----
<b>Aggregate Organics (QC Lot: 681368)</b>											
WT2216451-001	Anonymous	biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	3.1	2.9	5.0%	30%	----
<b>Aggregate Organics (QC Lot: 681370)</b>											
WT2216484-001	Anonymous	carbonaceous biochemical oxygen demand [CBOD]	----	E555	2.0	mg/L	10.2	10.0	2.0%	30%	----
<b>Aggregate Organics (QC Lot: 685668)</b>											
WT2216498-001	Anonymous	phenols, total (4AAP)	----	E562	0.0010	mg/L	0.0010	0.0011	0.00005	Diff <2x LOR	----
<b>Volatile Organic Compounds (QC Lot: 680011)</b>											
WT2216187-001	Anonymous	benzene	71-43-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		chloroform	67-66-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichlorobenzene, 1,2-	95-50-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichlorobenzene, 1,4-	106-46-7	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloroethylene, cis-1,2-	156-59-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		dichloromethane	75-09-2	E611D	1.0	µg/L	<1.0	<1.0	0	Diff <2x LOR	----
		dichloropropylene, trans-1,3-	10061-02-6	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
		ethylbenzene	100-41-4	E611D	0.50	µg/L	0.98	0.93	0.05	Diff <2x LOR	----
		methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		styrene	100-42-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		tetrachloroethylene	127-18-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		toluene	108-88-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		trichloroethylene	79-01-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		xylene, m+p-	179601-23-1	E611D	0.40	µg/L	0.65	0.59	0.06	Diff <2x LOR	----
		xylene, o-	95-47-6	E611D	0.30	µg/L	0.33	0.31	0.02	Diff <2x LOR	----
<b>Nonylphenols (QC Lot: 682899)</b>											

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 Work Order : WT2216519  
 Client : GHD Limited  
 Project : 12590583-003.002



Sub-Matrix: **Water**

*Laboratory Duplicate (DUP) Report*

<i>Laboratory sample ID</i>	<i>Client sample ID</i>	<i>Analyte</i>	<i>CAS Number</i>	<i>Method</i>	<i>LOR</i>	<i>Unit</i>	<i>Original Result</i>	<i>Duplicate Result</i>	<i>RPD(%) or Difference</i>	<i>Duplicate Limits</i>	<i>Qualifier</i>
<b>Nonylphenols (QC Lot: 682899) - continued</b>											
WT2216448-001	Anonymous	nonylphenols [NP]	84852-15-3	E749A	1.0	µg/L	<1.0	<1.0	0	Diff <2x LOR	----
<b>Nonylphenols (QC Lot: 682900)</b>											
WT2216448-001	Anonymous	nonylphenol diethoxylates [NP2EO]	n/a	E749B	0.10	µg/L	<0.10	<0.10	0	Diff <2x LOR	----
		nonylphenol monoethoxylates [NP1EO]	n/a	E749B	2.0	µg/L	<2.0	<2.0	0	Diff <2x LOR	----



## Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Physical Tests (QCLot: 685672)</b>						
solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
<b>Anions and Nutrients (QCLot: 681941)</b>						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
<b>Anions and Nutrients (QCLot: 681942)</b>						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
<b>Anions and Nutrients (QCLot: 685666)</b>						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
<b>Anions and Nutrients (QCLot: 685667)</b>						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
<b>Cyanides (QCLot: 683990)</b>						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----
<b>Inorganic Parameters (QCLot: 685631)</b>						
chlorine, total	7782-50-5	E326	0.05	mg/L	<0.050	----
<b>Microbiological Tests (QCLot: 679610)</b>						
coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
<b>Microbiological Tests (QCLot: 679615)</b>						
coliforms, Escherichia coli [E. coli]	----	E012A.EC	1	CFU/100mL	<1	----
<b>Total Metals (QCLot: 680777)</b>						
aluminum, total	7429-90-5	E420	0.003	mg/L	<0.0030	----
antimony, total	7440-36-0	E420	0.0001	mg/L	<0.00010	----
arsenic, total	7440-38-2	E420	0.0001	mg/L	<0.00010	----
cadmium, total	7440-43-9	E420	0.000005	mg/L	<0.0000050	----
chromium, total	7440-47-3	E420	0.0005	mg/L	<0.00050	----
cobalt, total	7440-48-4	E420	0.0001	mg/L	<0.00010	----
copper, total	7440-50-8	E420	0.0005	mg/L	<0.00050	----
lead, total	7439-92-1	E420	0.00005	mg/L	<0.000050	----
manganese, total	7439-96-5	E420	0.0001	mg/L	<0.00010	----
molybdenum, total	7439-98-7	E420	0.00005	mg/L	<0.000050	----
nickel, total	7440-02-0	E420	0.0005	mg/L	<0.00050	----
selenium, total	7782-49-2	E420	0.00005	mg/L	<0.000050	----
silver, total	7440-22-4	E420	0.00001	mg/L	<0.000010	----
tin, total	7440-31-5	E420	0.0001	mg/L	<0.00010	----
titanium, total	7440-32-6	E420	0.0003	mg/L	<0.00030	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Total Metals (QCLot: 680777) - continued</b>						
zinc, total	7440-66-6	E420	0.003	mg/L	<0.0030	---
<b>Total Metals (QCLot: 680874)</b>						
mercury, total	7439-97-6	E508	0.000005	mg/L	<0.0000050	---
<b>Dissolved Metals (QCLot: 680204)</b>						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	---
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	---
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	---
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	---
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	---
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	---
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	---
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	---
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	---
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	---
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	---
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	---
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	---
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	---
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	---
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	---
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	---
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	---
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	---
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	---
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	---
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	---
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	---
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	---
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	---
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	---
sodium, dissolved	7440-23-5	E421	0.05	mg/L	<0.050	---
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	---
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	---
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	---
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	---
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	---



Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Dissolved Metals (QCLot: 680204) - continued</b>						
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	---
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	---
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	---
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	---
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	---
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	---
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	---
<b>Speciated Metals (QCLot: 679506)</b>						
chromium, hexavalent [Cr VI], total	18540-29-9	E532	0.0005	mg/L	<0.00050	---
<b>Aggregate Organics (QCLot: 680768)</b>						
oil & grease (gravimetric)	---	E567	5	mg/L	<5.0	---
<b>Aggregate Organics (QCLot: 680769)</b>						
oil & grease, mineral (gravimetric)	---	E567SG	5	mg/L	<5.0	---
<b>Aggregate Organics (QCLot: 681368)</b>						
biochemical oxygen demand [BOD]	---	E550	2	mg/L	<2.0	---
<b>Aggregate Organics (QCLot: 681370)</b>						
carbonaceous biochemical oxygen demand [CBOD]	---	E555	2	mg/L	<2.0	---
<b>Aggregate Organics (QCLot: 685668)</b>						
phenols, total (4AAP)	---	E562	0.001	mg/L	<0.0010	---
<b>Volatile Organic Compounds (QCLot: 680011)</b>						
benzene	71-43-2	E611D	0.5	µg/L	<0.50	---
chloroform	67-66-3	E611D	0.5	µg/L	<0.50	---
dichlorobenzene, 1,2-	95-50-1	E611D	0.5	µg/L	<0.50	---
dichlorobenzene, 1,4-	106-46-7	E611D	0.5	µg/L	<0.50	---
dichloroethylene, cis-1,2-	156-59-2	E611D	0.5	µg/L	<0.50	---
dichloromethane	75-09-2	E611D	1	µg/L	<1.0	---
dichloropropylene, trans-1,3-	10061-02-6	E611D	0.3	µg/L	<0.30	---
ethylbenzene	100-41-4	E611D	0.5	µg/L	<0.50	---
methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	<20	---
styrene	100-42-5	E611D	0.5	µg/L	<0.50	---
tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.5	µg/L	<0.50	---
tetrachloroethylene	127-18-4	E611D	0.5	µg/L	<0.50	---
toluene	108-88-3	E611D	0.5	µg/L	<0.50	---
trichloroethylene	79-01-6	E611D	0.5	µg/L	<0.50	---
xylene, m+p-	179601-23-1	E611D	0.4	µg/L	<0.40	---
xylene, o-	95-47-6	E611D	0.3	µg/L	<0.30	---



Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 679511)</b>						
acenaphthene	83-32-9	E641A	0.01	µg/L	<0.010	---
acenaphthylene	208-96-8	E641A	0.01	µg/L	<0.010	---
anthracene	120-12-7	E641A	0.01	µg/L	<0.010	---
benz(a)anthracene	56-55-3	E641A	0.01	µg/L	<0.010	---
benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	<0.0050	---
benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	<0.010	---
benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	<0.010	---
benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	<0.010	---
chrysene	218-01-9	E641A	0.01	µg/L	<0.010	---
dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	<0.0050	---
fluoranthene	206-44-0	E641A	0.01	µg/L	<0.010	---
fluorene	86-73-7	E641A	0.01	µg/L	<0.010	---
indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	<0.010	---
methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	<0.010	---
methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	<0.010	---
naphthalene	91-20-3	E641A	0.05	µg/L	<0.050	---
phenanthrene	85-01-8	E641A	0.02	µg/L	<0.020	---
pyrene	129-00-0	E641A	0.01	µg/L	<0.010	---
<b>Phthalate Esters (QCLot: 679436)</b>						
bis(2-ethylhexyl) phthalate [DEHP]	117-81-7	E655F	2	µg/L	<2.0	---
di-n-butyl phthalate	84-74-2	E655F	1	µg/L	<1.0	---
<b>Nonylphenols (QCLot: 682899)</b>						
nonylphenols [NP]	84852-15-3	E749A	1	µg/L	<1.0	---
<b>Nonylphenols (QCLot: 682900)</b>						
nonylphenol diethoxylates [NP2EO]	n/a	E749B	0.1	µg/L	<0.10	---
nonylphenol monoethoxylates [NP1EO]	n/a	E749B	2	µg/L	<2.0	---
<b>Polychlorinated Biphenyls (QCLot: 679975)</b>						
Aroclor 1016	12674-11-2	E687	0.02	µg/L	<0.020	---
Aroclor 1221	11104-28-2	E687	0.02	µg/L	<0.020	---
Aroclor 1232	11141-16-5	E687	0.02	µg/L	<0.020	---
Aroclor 1242	53469-21-9	E687	0.02	µg/L	<0.020	---
Aroclor 1248	12672-29-6	E687	0.02	µg/L	<0.020	---
Aroclor 1254	11097-69-1	E687	0.02	µg/L	<0.020	---
Aroclor 1260	11096-82-5	E687	0.02	µg/L	<0.020	---
Aroclor 1262	37324-23-5	E687	0.02	µg/L	<0.020	---
Aroclor 1268	11100-14-4	E687	0.02	µg/L	<0.020	---





## Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
<b>Physical Tests (QCLot: 681920)</b>									
pH	----	E108	----	pH units	7 pH units	100	98.0	102	----
<b>Physical Tests (QCLot: 685672)</b>									
solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	106	85.0	115	----
<b>Anions and Nutrients (QCLot: 681941)</b>									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	103	90.0	110	----
<b>Anions and Nutrients (QCLot: 681942)</b>									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	102	90.0	110	----
<b>Anions and Nutrients (QCLot: 685666)</b>									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	96.5	75.0	125	----
<b>Anions and Nutrients (QCLot: 685667)</b>									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	0.53 mg/L	96.4	80.0	120	----
<b>Cyanides (QCLot: 683990)</b>									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	93.8	80.0	120	----
<b>Inorganic Parameters (QCLot: 685631)</b>									
chlorine, total	7782-50-5	E326	0.05	mg/L	0.27584 mg/L	102	75.0	125	----
<b>Total Metals (QCLot: 680777)</b>									
aluminum, total	7429-90-5	E420	0.003	mg/L	0.1 mg/L	100	80.0	120	----
antimony, total	7440-36-0	E420	0.0001	mg/L	0.05 mg/L	101	80.0	120	----
arsenic, total	7440-38-2	E420	0.0001	mg/L	0.05 mg/L	102	80.0	120	----
cadmium, total	7440-43-9	E420	0.000005	mg/L	0.005 mg/L	102	80.0	120	----
chromium, total	7440-47-3	E420	0.0005	mg/L	0.0125 mg/L	100	80.0	120	----
cobalt, total	7440-48-4	E420	0.0001	mg/L	0.0125 mg/L	100	80.0	120	----
copper, total	7440-50-8	E420	0.0005	mg/L	0.0125 mg/L	97.7	80.0	120	----
lead, total	7439-92-1	E420	0.00005	mg/L	0.025 mg/L	96.8	80.0	120	----
manganese, total	7439-96-5	E420	0.0001	mg/L	0.0125 mg/L	101	80.0	120	----
molybdenum, total	7439-98-7	E420	0.00005	mg/L	0.0125 mg/L	98.8	80.0	120	----
nickel, total	7440-02-0	E420	0.0005	mg/L	0.025 mg/L	99.7	80.0	120	----
selenium, total	7782-49-2	E420	0.00005	mg/L	0.05 mg/L	100	80.0	120	----
silver, total	7440-22-4	E420	0.00001	mg/L	0.005 mg/L	92.1	80.0	120	----
tin, total	7440-31-5	E420	0.0001	mg/L	0.025 mg/L	95.2	80.0	120	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		Qualifier
					Concentration	LCS	Low	High	
<b>Total Metals (QCLot: 680777) - continued</b>									
titanium, total	7440-32-6	E420	0.0003	mg/L	0.0125 mg/L	101	80.0	120	----
zinc, total	7440-66-6	E420	0.003	mg/L	0.025 mg/L	98.9	80.0	120	----
<b>Total Metals (QCLot: 680874)</b>									
mercury, total	7439-97-6	E508	0.000005	mg/L	0.0001 mg/L	104	80.0	120	----
<b>Dissolved Metals (QCLot: 680204)</b>									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	0.1 mg/L	110	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	0.05 mg/L	99.9	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	0.05 mg/L	105	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.0125 mg/L	106	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.005 mg/L	107	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	0.05 mg/L	99.2	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	0.05 mg/L	97.3	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.005 mg/L	103	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	2.5 mg/L	108	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.0025 mg/L	104	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.0125 mg/L	104	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.0125 mg/L	102	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.0125 mg/L	101	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	0.05 mg/L	104	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.025 mg/L	101	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.0125 mg/L	109	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	2.5 mg/L	105	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.0125 mg/L	104	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.0125 mg/L	102	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.025 mg/L	104	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	0.5 mg/L	97.3	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	2.5 mg/L	106	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.005 mg/L	109	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	0.05 mg/L	102	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	0.5 mg/L	104	60.0	140	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.005 mg/L	103	80.0	120	----
sodium, dissolved	7440-23-5	E421	0.05	mg/L	2.5 mg/L	108	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.0125 mg/L	103	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	2.5 mg/L	103	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.005 mg/L	102	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	0.05 mg/L	102	80.0	120	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		Qualifier
					Concentration	LCS	Low	High	
<b>Dissolved Metals (QCLot: 680204) - continued</b>									
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.005 mg/L	105	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.025 mg/L	101	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.0125 mg/L	102	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.005 mg/L	99.8	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.00025 mg/L	106	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.025 mg/L	106	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.025 mg/L	114	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.005 mg/L	100	80.0	120	----
<b>Speciated Metals (QCLot: 679506)</b>									
chromium, hexavalent [Cr VI], total	18540-29-9	E532	0.0005	mg/L	0.025 mg/L	101	80.0	120	----
<b>Aggregate Organics (QCLot: 680768)</b>									
oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	77.8	70.0	130	----
<b>Aggregate Organics (QCLot: 680769)</b>									
oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	100 mg/L	76.4	70.0	130	----
<b>Aggregate Organics (QCLot: 681368)</b>									
biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	102	85.0	115	----
<b>Aggregate Organics (QCLot: 681370)</b>									
carbonaceous biochemical oxygen demand [CBOD]	----	E555	2	mg/L	198 mg/L	102	85.0	115	----
<b>Aggregate Organics (QCLot: 685668)</b>									
phenols, total (4AAP)	----	E562	0.001	mg/L	0.02 mg/L	115	85.0	115	----
<b>Volatile Organic Compounds (QCLot: 680011)</b>									
benzene	71-43-2	E611D	0.5	µg/L	100 µg/L	104	70.0	130	----
chloroform	67-66-3	E611D	0.5	µg/L	100 µg/L	100	70.0	130	----
dichlorobenzene, 1,2-	95-50-1	E611D	0.5	µg/L	100 µg/L	103	70.0	130	----
dichlorobenzene, 1,4-	106-46-7	E611D	0.5	µg/L	100 µg/L	103	70.0	130	----
dichloroethylene, cis-1,2-	156-59-2	E611D	0.5	µg/L	100 µg/L	90.6	70.0	130	----
dichloromethane	75-09-2	E611D	1	µg/L	100 µg/L	102	70.0	130	----
dichloropropylene, trans-1,3-	10061-02-6	E611D	0.3	µg/L	100 µg/L	108	70.0	130	----
ethylbenzene	100-41-4	E611D	0.5	µg/L	100 µg/L	100	70.0	130	----
methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	100 µg/L	124	70.0	130	----
styrene	100-42-5	E611D	0.5	µg/L	100 µg/L	99.4	70.0	130	----
tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.5	µg/L	100 µg/L	103	70.0	130	----
tetrachloroethylene	127-18-4	E611D	0.5	µg/L	100 µg/L	86.5	70.0	130	----
toluene	108-88-3	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----



Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
<b>Volatile Organic Compounds (QCLot: 680011) - continued</b>									
trichloroethylene	79-01-6	E611D	0.5	µg/L	100 µg/L	87.5	70.0	130	----
xylene, m+p-	179601-23-1	E611D	0.4	µg/L	200 µg/L	98.0	70.0	130	----
xylene, o-	95-47-6	E611D	0.3	µg/L	100 µg/L	99.9	70.0	130	----
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 679511)</b>									
acenaphthene	83-32-9	E641A	0.01	µg/L	0.5263 µg/L	94.1	50.0	140	----
acenaphthylene	208-96-8	E641A	0.01	µg/L	0.5263 µg/L	92.9	50.0	140	----
anthracene	120-12-7	E641A	0.01	µg/L	0.5263 µg/L	89.2	50.0	140	----
benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.5263 µg/L	112	50.0	140	----
benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.5263 µg/L	92.1	50.0	140	----
benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.5263 µg/L	93.7	50.0	140	----
benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.5263 µg/L	97.9	50.0	140	----
benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.5263 µg/L	98.9	50.0	140	----
chrysene	218-01-9	E641A	0.01	µg/L	0.5263 µg/L	96.9	50.0	140	----
dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.5263 µg/L	126	50.0	140	----
fluoranthene	206-44-0	E641A	0.01	µg/L	0.5263 µg/L	109	50.0	140	----
fluorene	86-73-7	E641A	0.01	µg/L	0.5263 µg/L	93.8	50.0	140	----
indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.5263 µg/L	99.3	50.0	140	----
methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.5263 µg/L	96.9	50.0	140	----
methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.5263 µg/L	88.0	50.0	140	----
naphthalene	91-20-3	E641A	0.05	µg/L	0.5263 µg/L	94.2	50.0	140	----
phenanthrene	85-01-8	E641A	0.02	µg/L	0.5263 µg/L	101	50.0	140	----
pyrene	129-00-0	E641A	0.01	µg/L	0.5263 µg/L	102	50.0	140	----
<b>Phthalate Esters (QCLot: 679436)</b>									
bis(2-ethylhexyl) phthalate [DEHP]	117-81-7	E655F	2	µg/L	6.4 µg/L	107	50.0	140	----
di-n-butyl phthalate	84-74-2	E655F	1	µg/L	6.4 µg/L	104	50.0	140	----
<b>Nonylphenols (QCLot: 682899)</b>									
nonylphenols [NP]	84852-15-3	E749A	1	µg/L	10 µg/L	87.2	75.0	125	----
<b>Nonylphenols (QCLot: 682900)</b>									
nonylphenol diethoxylates [NP2EO]	n/a	E749B	0.1	µg/L	1 µg/L	97.5	75.0	125	----
nonylphenol monoethoxylates [NP1EO]	n/a	E749B	2	µg/L	20 µg/L	90.6	75.0	125	----
<b>Polychlorinated Biphenyls (QCLot: 679975)</b>									
Aroclor 1016	12674-11-2	E687	0.02	µg/L	0.2 µg/L	129	60.0	140	----
Aroclor 1221	11104-28-2	E687	0.02	µg/L	0.2 µg/L	129	60.0	140	----
Aroclor 1232	11141-16-5	E687	0.02	µg/L	0.2 µg/L	129	60.0	140	----



Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
<b>Polychlorinated Biphenyls (QCLot: 679975) - continued</b>									
Aroclor 1242	53469-21-9	E687	0.02	µg/L	0.2 µg/L	129	60.0	140	----
Aroclor 1248	12672-29-6	E687	0.02	µg/L	0.2 µg/L	118	60.0	140	----
Aroclor 1254	11097-69-1	E687	0.02	µg/L	0.2 µg/L	135	60.0	140	----
Aroclor 1260	11096-82-5	E687	0.02	µg/L	0.2 µg/L	128	60.0	140	----
Aroclor 1262	37324-23-5	E687	0.02	µg/L	0.2 µg/L	128	60.0	140	----
Aroclor 1268	11100-14-4	E687	0.02	µg/L	0.2 µg/L	128	60.0	140	----



## Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
<b>Anions and Nutrients (QCLot: 681941)</b>										
WT2216757-001	Anonymous	fluoride	16984-48-8	E235.F	1.06 mg/L	1 mg/L	106	75.0	125	----
<b>Anions and Nutrients (QCLot: 681942)</b>										
WT2216757-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	105 mg/L	100 mg/L	105	75.0	125	----
<b>Anions and Nutrients (QCLot: 685666)</b>										
WT2216448-001	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	ND mg/L	2.5 mg/L	ND	70.0	130	----
<b>Anions and Nutrients (QCLot: 685667)</b>										
WT2216448-001	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0959 mg/L	0.1 mg/L	95.9	70.0	130	----
<b>Cyanides (QCLot: 683990)</b>										
TY2202330-003	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.229 mg/L	0.25 mg/L	91.7	75.0	125	----
<b>Inorganic Parameters (QCLot: 685631)</b>										
WT2216519-001	GW-12590583-10-03-22-JB-MW4-22	chlorine, total	7782-50-5	E326	0.240 mg/L	0.27584 mg/L	87.0	70.0	130	----
<b>Total Metals (QCLot: 680777)</b>										
WT2216498-002	Anonymous	aluminum, total	7429-90-5	E420	0.102 mg/L	0.1 mg/L	102	70.0	130	----
		antimony, total	7440-36-0	E420	0.0478 mg/L	0.05 mg/L	95.6	70.0	130	----
		arsenic, total	7440-38-2	E420	0.0503 mg/L	0.05 mg/L	101	70.0	130	----
		cadmium, total	7440-43-9	E420	0.00494 mg/L	0.005 mg/L	98.7	70.0	130	----
		chromium, total	7440-47-3	E420	0.0124 mg/L	0.0125 mg/L	99.0	70.0	130	----
		cobalt, total	7440-48-4	E420	0.0122 mg/L	0.0125 mg/L	97.7	70.0	130	----
		copper, total	7440-50-8	E420	0.0117 mg/L	0.0125 mg/L	93.7	70.0	130	----
		lead, total	7439-92-1	E420	0.0224 mg/L	0.025 mg/L	89.5	70.0	130	----
		manganese, total	7439-96-5	E420	ND mg/L	0.0125 mg/L	ND	70.0	130	----
		molybdenum, total	7439-98-7	E420	0.0123 mg/L	0.0125 mg/L	98.2	70.0	130	----
		nickel, total	7440-02-0	E420	0.0236 mg/L	0.025 mg/L	94.4	70.0	130	----
		selenium, total	7782-49-2	E420	0.0504 mg/L	0.05 mg/L	101	70.0	130	----
		silver, total	7440-22-4	E420	0.00443 mg/L	0.005 mg/L	88.5	70.0	130	----
		tin, total	7440-31-5	E420	0.0234 mg/L	0.025 mg/L	93.5	70.0	130	----
		titanium, total	7440-32-6	E420	0.0120 mg/L	0.0125 mg/L	95.8	70.0	130	----
		zinc, total	7440-66-6	E420	0.0239 mg/L	0.025 mg/L	95.7	70.0	130	----
<b>Total Metals (QCLot: 680874)</b>										
WT2216465-007	Anonymous	mercury, total	7439-97-6	E508	0.0000996 mg/L	0.0001 mg/L	99.6	70.0	130	----



Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
<b>Dissolved Metals (QCLot: 680204)</b>										
TY2202396-002	Anonymous	aluminum, dissolved	7429-90-5	E421	0.0999 mg/L	0.1 mg/L	99.9	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0483 mg/L	0.05 mg/L	96.6	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0525 mg/L	0.05 mg/L	105	70.0	130	----
		barium, dissolved	7440-39-3	E421	ND mg/L	0.0125 mg/L	ND	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.00534 mg/L	0.005 mg/L	107	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.0441 mg/L	0.05 mg/L	88.3	70.0	130	----
		boron, dissolved	7440-42-8	E421	0.046 mg/L	0.05 mg/L	91.4	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00516 mg/L	0.005 mg/L	103	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	2.5 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.00247 mg/L	0.0025 mg/L	98.6	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0124 mg/L	0.0125 mg/L	98.9	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0121 mg/L	0.0125 mg/L	97.0	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0120 mg/L	0.0125 mg/L	95.7	70.0	130	----
		iron, dissolved	7439-89-6	E421	0.048 mg/L	0.05 mg/L	96.5	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0245 mg/L	0.025 mg/L	97.9	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.0129 mg/L	0.0125 mg/L	103	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	2.48 mg/L	2.5 mg/L	99.1	70.0	130	----
		manganese, dissolved	7439-96-5	E421	0.0122 mg/L	0.0125 mg/L	98.1	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0119 mg/L	0.0125 mg/L	95.6	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0248 mg/L	0.025 mg/L	99.0	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	0.550 mg/L	0.5 mg/L	110	70.0	130	----
		potassium, dissolved	7440-09-7	E421	2.46 mg/L	2.5 mg/L	98.6	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.00532 mg/L	0.005 mg/L	106	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0576 mg/L	0.05 mg/L	115	70.0	130	----
		silicon, dissolved	7440-21-3	E421	ND mg/L	0.5 mg/L	ND	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00470 mg/L	0.005 mg/L	94.1	70.0	130	----
		sodium, dissolved	7440-23-5	E421	ND mg/L	2.5 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.0125 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	2.64 mg/L	2.5 mg/L	106	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.00525 mg/L	0.005 mg/L	105	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.0493 mg/L	0.05 mg/L	98.7	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.00487 mg/L	0.005 mg/L	97.5	70.0	130	----
		tin, dissolved	7440-31-5	E421	0.0239 mg/L	0.025 mg/L	95.7	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0122 mg/L	0.0125 mg/L	98.0	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.00467 mg/L	0.005 mg/L	93.3	70.0	130	----
		uranium, dissolved	7440-61-1	E421	0.000252 mg/L	0.00025 mg/L	101	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.0255 mg/L	0.025 mg/L	102	70.0	130	----



Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
<b>Dissolved Metals (QCLot: 680204) - continued</b>										
TY2202396-002	Anonymous	zinc, dissolved	7440-66-6	E421	0.0268 mg/L	0.025 mg/L	107	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.00470 mg/L	0.005 mg/L	94.0	70.0	130	----
<b>Speciated Metals (QCLot: 679506)</b>										
RG2201380-001	Anonymous	chromium, hexavalent [Cr VI], total	18540-29-9	E532	0.0406 mg/L	0.04 mg/L	101	70.0	130	----
<b>Aggregate Organics (QCLot: 685668)</b>										
WT2216498-001	Anonymous	phenols, total (4AAP)	----	E562	0.0238 mg/L	0.02 mg/L	119	75.0	125	----
<b>Volatile Organic Compounds (QCLot: 680011)</b>										
WT2216187-001	Anonymous	benzene	71-43-2	E611D	102 µg/L	100 µg/L	102	60.0	140	----
		chloroform	67-66-3	E611D	98.1 µg/L	100 µg/L	98.1	60.0	140	----
		dichlorobenzene, 1,2-	95-50-1	E611D	102 µg/L	100 µg/L	102	60.0	140	----
		dichlorobenzene, 1,4-	106-46-7	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		dichloroethylene, cis-1,2-	156-59-2	E611D	90.0 µg/L	100 µg/L	90.0	60.0	140	----
		dichloromethane	75-09-2	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		dichloropropylene, trans-1,3-	10061-02-6	E611D	106 µg/L	100 µg/L	106	60.0	140	----
		ethylbenzene	100-41-4	E611D	98.7 µg/L	100 µg/L	98.7	60.0	140	----
		methyl ethyl ketone [MEK]	78-93-3	E611D	124 µg/L	100 µg/L	124	60.0	140	----
		styrene	100-42-5	E611D	98.0 µg/L	100 µg/L	98.0	60.0	140	----
		tetrachloroethane, 1,1,2,2-	79-34-5	E611D	102 µg/L	100 µg/L	102	60.0	140	----
		tetrachloroethylene	127-18-4	E611D	85.6 µg/L	100 µg/L	85.6	60.0	140	----
		toluene	108-88-3	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		trichloroethylene	79-01-6	E611D	86.7 µg/L	100 µg/L	86.7	60.0	140	----
		xylene, m+p-	179601-23-1	E611D	192 µg/L	200 µg/L	96.3	60.0	140	----
		xylene, o-	95-47-6	E611D	98.7 µg/L	100 µg/L	98.7	60.0	140	----
<b>Nonylphenols (QCLot: 682899)</b>										
WT2216448-001	Anonymous	nonylphenols [NP]	84852-15-3	E749A	10.4 µg/L	10 µg/L	104	60.0	140	----
<b>Nonylphenols (QCLot: 682900)</b>										
WT2216448-001	Anonymous	nonylphenol diethoxylates [NP2EO]	n/a	E749B	0.96 µg/L	1 µg/L	95.9	60.0	140	----
		nonylphenol monoethoxylates [NP1EO]	n/a	E749B	14.8 µg/L	20 µg/L	73.8	60.0	140	----





# **Appendix F**

## **MECP Well Records**

The Ontario Water Resources Act WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED 2. CHECK [X] CORRECT BOX WHERE APPLICABLE

11

4907920

MUNICIP. 49604

CON. C.I.R. R.O.I.

COUNTY OR DISTRICT PEEL TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE MISSISSAUGA CON. BLOCK, TRACT, SURVEY ETC 2 SDS LOT 25-27 14 or 15 OWNER (SURNAME FIRST) 28-47 KAL DIXON CONSTRUCTION ADDRESS 160 LAKESHORE RD MISS. EAST DATE COMPLETED 48-53 DAY 7 MO OCT YR 94

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) Table with columns: GENERAL COLOUR, MOST COMMON MATERIAL, OTHER MATERIALS, GENERAL DESCRIPTION, DEPTH - FEET (FROM, TO). Rows include BROWN TILL SILT DENSE 0 17.5 and BROWN SAND GRAVEL DENSE 17.5 19.

31 32

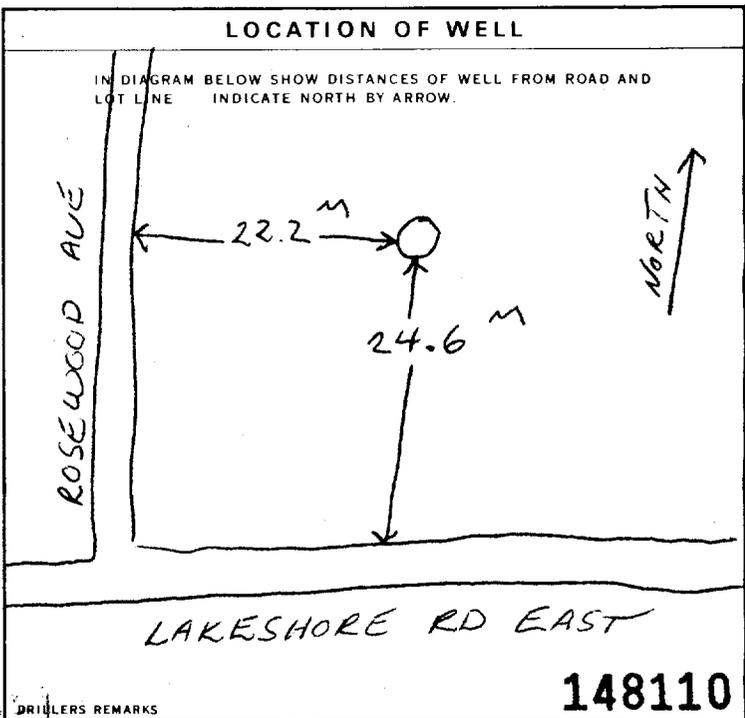
41 WATER RECORD Table with columns: WATER FOUND AT - FEET, KIND OF WATER (FRESH, SALTY, SULPHUR, MINERALS, GAS).

51 CASING & OPEN HOLE RECORD Table with columns: INSIDE DIAM INCHES, MATERIAL, WALL THICKNESS INCHES, DEPTH - FEET (FROM, TO).

SCREEN SIZE(S) OF OPENING (SLOT NO.) SCHEDULE 40 DIAMETER 2 INCHES LENGTH 5 FEET MATERIAL AND TYPE PUC DEPTH TO TOP OF SCREEN 17 12.5 FEET

61 PLUGGING & SEALING RECORD Table with columns: DEPTH SET AT - FEET (FROM, TO), MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.).

71 PUMPING TEST Table with columns: PUMPING TEST METHOD, PUMPING RATE, DURATION OF PUMPING, STATIC LEVEL, WATER LEVEL END OF PUMPING, WATER LEVELS DURING, PUMP INTAKE SET AT, WATER AT END OF TEST, RECOMMENDED PUMP TYPE, RECOMMENDED PUMP SETTING, RECOMMENDED PUMPING RATE.



FINAL STATUS OF WELL, WATER USE, METHOD OF CONSTRUCTION. Includes checkboxes for various well types and construction methods.

CONTRACTOR DSIL DRILLING 1839 104 CROCKFORD BLVD SCARBOROUGH L SEDDON T-2201 DAY 04 MO 11 YR 94

OFFICE USE ONLY DATA SOURCE 1839 DATE RECEIVED NOV 10 1994

4907921

MUNICIPALITY: 49604 CON. DISTRICT: C.I.R. REGION: R 01

1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK  CORRECT BOX WHERE APPLICABLE

11

COUNTY OR DISTRICT: PEEL TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: MISSISSAUGA  
 OWNER (SURNAME FIRST): KAL DIXON CONSTRUCTION ADDRESS: 160 LAKESHORE RD MISS. EAST  
 DATE COMPLETED: DAY 7 MO OCT YR 94  
 CON. BLOCK, TRACT, SURVEY ETC: 2 SOS LOT: 14 or 15

**LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)**

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BROWN	TILL	SILT	DENSE	0	7
GREY	SILT		DENSE	7	14.5
GREY	SAND		DENSE	14.5	22.5

31  
32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER					
10-13	1 <input checked="" type="checkbox"/> FRESH	2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/> OTHER
15-18	1 <input type="checkbox"/> FRESH	2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/> OTHER
20-23	1 <input type="checkbox"/> FRESH	2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/> OTHER
25-28	1 <input type="checkbox"/> FRESH	2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/> OTHER
30-33	1 <input type="checkbox"/> FRESH	2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/> OTHER

**51A CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	1/2		13-16
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	1/8		20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	2/8		27-30

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)	
FROM	TO		
10	11	HOLE PLUG	
2	3	HOLE PLUG	
0	2	CEMENT	

SCREEN SIZE: SCHEDULE 40 PUC  
 DIAMETER: 2 INCHES  
 LENGTH: 10 FEET  
 DEPTH TO TOP OF SCREEN: 12.5 FEET

**71 PUMPING TEST**

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: GPM \_\_\_\_\_ DURATION OF PUMPING: 15-18 HOURS \_\_\_\_\_ 17-18 MINS \_\_\_\_\_

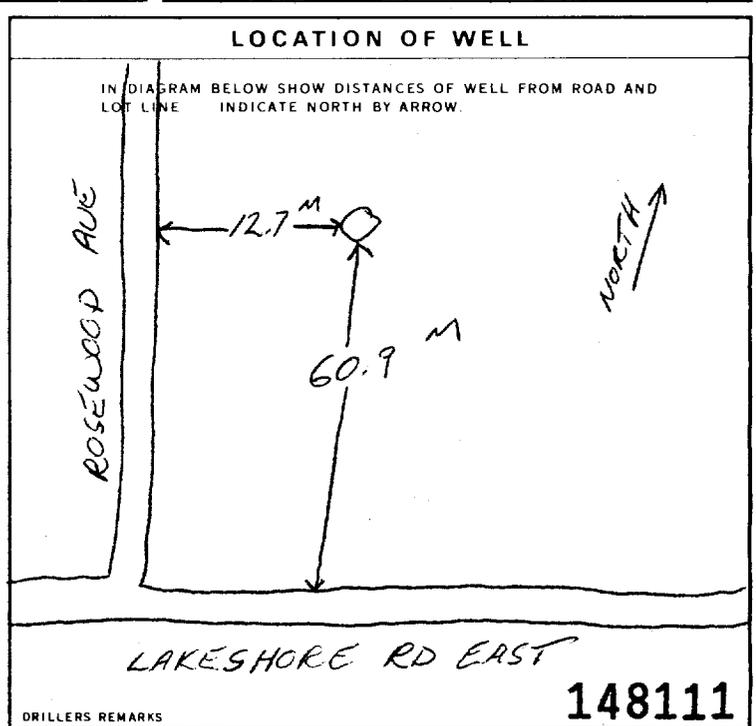
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING					
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES	75 MINUTES	90 MINUTES
19-21	22-24	26-28	29-31	32-34	35-37		

IF FLOWING, GIVE RATE: \_\_\_\_\_ GPM

PUMP INTAKE SET AT: \_\_\_\_\_ FEET WATER AT END OF TEST: \_\_\_\_\_ FEET

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: \_\_\_\_\_ FEET RECOMMENDED PUMPING RATE: \_\_\_\_\_ GPM



**FINAL STATUS OF WELL**

1  WATER SUPPLY 5  ABANDONED, INSUFFICIENT SUPPLY  
 2  OBSERVATION WELL 6  ABANDONED, POOR QUALITY  
 3  TEST HOLE 7  UNFINISHED  
 4  RECHARGE WELL 8  DEWATERING

**WATER USE**

1  DOMESTIC 5  COMMERCIAL  
 2  STOCK 6  MUNICIPAL  
 3  IRRIGATION 7  PUBLIC SUPPLY  
 4  INDUSTRIAL 8  COOLING OR AIR CONDITIONING  
 OTHER 9  NOT USED

**METHOD OF CONSTRUCTION**

1  CABLE TOOL 6  BORING  
 2  ROTARY (CONVENTIONAL) 7  DIAMOND  
 3  ROTARY (REVERSE) 8  JETTING  
 4  ROTARY (AIR) 9  DRIVING  
 5  AIR PERCUSSION  DIGGING  OTHER

**CONTRACTOR**

NAME OF WELL CONTRACTOR: DSIL DRILLING WELL CONTRACTOR'S LICENCE NUMBER: 1839  
 ADDRESS: 104 CROCKFORD BLVD SCARBOROUGH  
 NAME OF WELL TECHNICIAN: L SEDAO WELL TECHNICIAN'S LICENCE NUMBER: T-2201  
 SIGNATURE OF TECHNICIAN/CONTRACTOR: [Signature] SUBMISSION DATE: DAY 04 NO. 11 YR 94

**OFFICE USE ONLY**

DATA SOURCE: 1839 CONTRACTOR: 1839 DATE RECEIVED: NOV 10 1994  
 DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

74-10-DS #4

1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK  CORRECT BOX WHERE APPLICABLE

11

4907922

MUNICIPALITY 49604

CON. CIR

ROI

COUNTY OR DISTRICT: PEEL TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: MISSISSAUGA CON. BLOCK TRACT, SURVEY ETC: 2 SDS LOT: 25-27  
OWNER (SURNAME FIRST): KAL DIXON CONSTRUCTION ADDRESS: 160 LAKESHORE RD MISS. EAST DATE COMPLETED: DAY 7 MO OCT YR 94

21 UTM ZONE EASTING NORTHING RC ELEVATION RC BASIN CODE II III IV

**LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)**

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BROWN	TILL	CLAY	DENSE	0	2
BROWN	TILL	SILT	DENSE	2	12
GREY	TILL	SILT	DENSE	12	14

31 32 UTM ZONE EASTING NORTHING RC ELEVATION RC BASIN CODE II III IV

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER					
10-13	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/>	7 <input type="checkbox"/>
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/>	7 <input type="checkbox"/>
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/>	7 <input type="checkbox"/>
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/>	7 <input type="checkbox"/>
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/>	7 <input type="checkbox"/>

**51A CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
10-11	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	1/2	10	13-16
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	1/2	17	20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	1/2	24	27-30

**SCREEN** SIZE(S) OF OPENING (SLOT NO.): SCHEDULE 40 DIAMETER: 2 INCHES LENGTH: 10 FEET MATERIAL AND TYPE: PVC DEPTH TO TOP OF SCREEN: 4 FEET

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
10-13	3 HOLE PLUG
18-21	2 CEMENT
22-25	
26-29	
30-33	
34-40	

**71 PUMPING TEST**

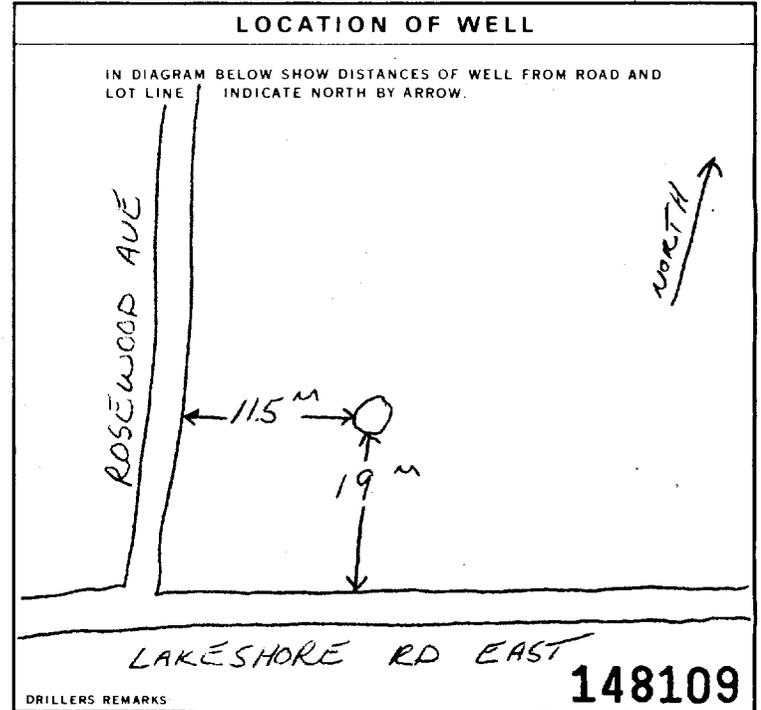
PUMPING TEST METHOD: NA  PUMP  BAILER

PUMPING RATE: 11-14 GPM DURATION OF PUMPING: 15-16 HOURS 17-18 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING				
19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES	
FEET	FEET	26-28	29-31	32-34	35-37	
		FEET	FEET	FEET	FEET	

IF FLOWING, GIVE RATE: 38-41 GPM PUMP INTAKE SET AT: FEET WATER AT END OF TEST: 1  CLEAR 2  CLOUDY

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP RECOMMENDED PUMP SETTING: 43-45 FEET RECOMMENDED PUMPING RATE: 46-49 GPM



**FINAL STATUS OF WELL**

1  WATER SUPPLY 5  ABANDONED, INSUFFICIENT SUPPLY  
2  OBSERVATION WELL 6  ABANDONED POOR QUALITY  
3  TEST HOLE 7  UNFINISHED  
4  RECHARGE WELL  DEWATERING

**WATER USE**

1  DOMESTIC 5  COMMERCIAL  
2  STOCK 6  MUNICIPAL  
3  IRRIGATION 7  PUBLIC SUPPLY  
4  INDUSTRIAL 8  COOLING OR AIR CONDITIONING  
 OTHER 9  NOT USED

**METHOD OF CONSTRUCTION**

1  CABLE TOOL 6  BORING  
2  ROTARY (CONVENTIONAL) 7  DIAMOND  
3  ROTARY (REVERSE) 8  JETTING  
4  ROTARY (AIR) 9  DRIVING  
5  AIR PERCUSSION  DIGGING  OTHER

**CONTRACTOR** NAME OF WELL CONTRACTOR: DSIL DRILLING WELL CONTRACTOR'S LICENCE NUMBER: 1839 ADDRESS: 164 CROCKFORD BLVD SCAR. BOROUGH NAME OF WELL TECHNICIAN: L SEDDON WELL TECHNICIAN'S LICENCE NUMBER: T-2201 SIGNATURE OF TECHNICIAN/CONTRACTOR: L Seddon SUBMISSION DATE: DAY 04 NO 11 YR 94

**OFFICE USE ONLY** DATA SOURCE: 58 CONTRACTOR: 59-62 DATE RECEIVED: 63-68 80 INSPECTOR: 1839 NOV 10 1994





Ministry of the Environment

Well Tag Number (Place sticker and print number below)

A 011790

Amea-Scarb 040609

June 14

Well Record

Regulation 903 Ontario Water Resources Act

sheet 1 of 2

page \_\_\_ of \_\_\_

Instructions for Completing Form

- For use in the Province of Ontario only. This document is a permanent legal document. Please retain for future reference.
- All Sections must be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.
- Please print clearly in blue or black ink only.

Ministry Use Only

Well Owner's Information and Location of Well Information

MUN 49604 CON \_\_\_\_\_ LOT \_\_\_\_\_

Address of Well Location (County/District/Municipality) 10 Stave Bank Mississauga Township Mississauga Lot \_\_\_\_\_ Concession \_\_\_\_\_  
 RR#/Street Number/Name City/Town/Village Site/Compartment/Block/Tract etc.

GPS Reading NAD 83 Zone 17 Easting 614220 Northing 4023140 Unit Make/Model \_\_\_\_\_ Mode of Operation:  Undifferentiated  Averaged  Differentiated, specify \_\_\_\_\_

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth Metres	
				From	To
Brown	sand	gravel	sand/gravel fill	0	0.3
Brown	silt	sand	Brown sandy silt	0.3	3.5
grey	silt	sand (trace clay)	grey sandy silt	3.5	6.0

**Hole Diameter**

Depth	Metres	Diameter
From	To	Centimetres
0	6.0	21

**Water Record**

Water found at 4 Metres

Kind of Water

m  Fresh  Sulphur  
 Gas  Salty  Minerals  
 Other: \_\_\_\_\_

m  Fresh  Sulphur  
 Gas  Salty  Minerals  
 Other: \_\_\_\_\_

m  Fresh  Sulphur  
 Gas  Salty  Minerals  
 Other: \_\_\_\_\_

After test of well yield, water was

Clear and sediment free  
 Other, specify \_\_\_\_\_

Chlorinated  Yes  No

**Construction Record**

Inside diam centimetres	Material	Wall thickness centimetres	Depth Metres	
			From	To
5	<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	0.7	0	4.5
<b>Casing</b>				
	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			
	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			
<b>Screen</b>				
Outside diam	<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	Slot No.	10	4.5 6.0
<b>No Casing or Screen</b>				
<input type="checkbox"/> Open hole				

**Test of Well Yield**

Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping _____ hrs + _____ min	2		2	
Final water level end of pumping _____ metres	3		3	
Recommended pump type. <input type="checkbox"/> Shallow <input type="checkbox"/> Deep	4		4	
Recommended pump depth. _____ metres	5		5	
Recommended pump rate. (litres/min)	10		10	
	15		15	
If flowing give rate - (litres/min)	20		20	
	25		25	
If pumping discontinued, give reason.	30		30	
	40		40	
	50		50	
	60		60	

**Plugging and Sealing Record**  Annular space  Abandonment

Depth set at - Metres	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
From	To	
0	0.3 concrete	
0.3	4.5 Bentonite	

**Method of Construction**

Cable Tool  Rotary (air)  Diamond  Digging  
 Rotary (conventional)  Air percussion  Jetting  Other  
 Rotary (reverse)  Boring  Driving

**Water Use**

Domestic  Industrial  Public Supply  Other  
 Stock  Commercial  Not used  
 Irrigation  Municipal  Cooling & air conditioning

**Final Status of Well**

Water Supply  Recharge well  Unfinished  Abandoned, (Other)  
 Observation well  Abandoned, insufficient supply  Dewatering  
 Test Hole  Abandoned, poor quality  Replacement well

**Well Contractor/Technician Information**

Name of Well Contractor: Geo Environmental Drilling Inc. Well Contractor's Licence No.: 66607  
 Business Address (street name, number, city etc.): 340 Market Dr Milton  
 Name of Well Technician (last name, first name): Derek Samaltes Well Technician's Licence No.: 03-1104  
 Signature of Technician/Contractor: \_\_\_\_\_ Date Submitted: 2004/06/14

**Location of Well**

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.

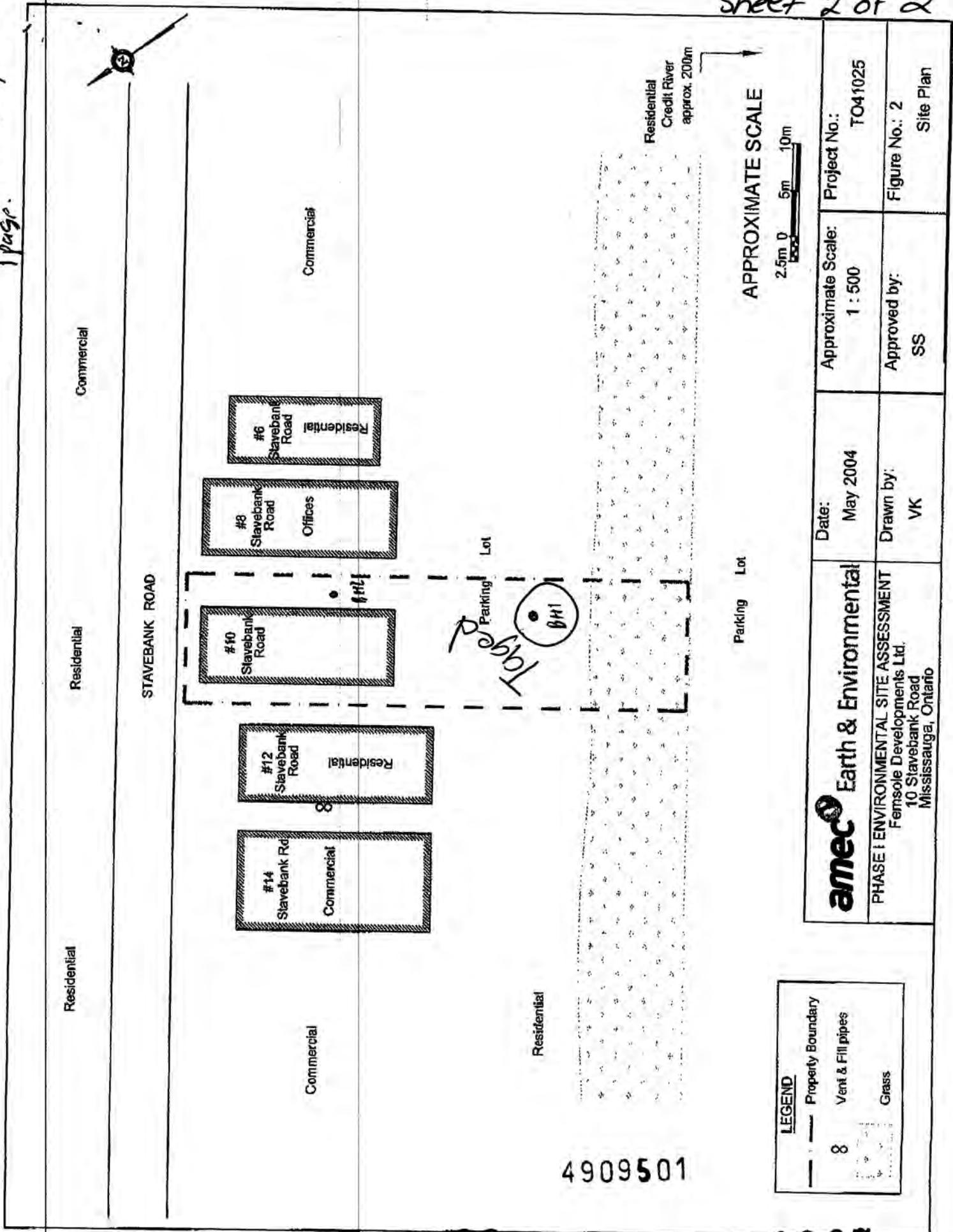
Audit No. 2 14488 Date Well Completed 2004 MM DD 10 06 14  
 Was the well owner's information package delivered?  Yes  No Date Delivered \_\_\_\_\_

**Ministry Use Only**

Data Source \_\_\_\_\_ Contractor 6607  
 Date Received JUL 21 2004 Date of Inspection \_\_\_\_\_  
 Remarks \_\_\_\_\_ Well Record Number 4909501

Drilled June 14/04  
1 page.

Sheet 2 of 2



**LEGEND**

	Property Boundary
	Vent & Fill pipes
	Grass

<b>amec</b> Earth & Environmental		Date: May 2004	Project No.: TO41025
PHASE I ENVIRONMENTAL SITE ASSESSMENT Fernsole Developments Ltd. 10 Stavebank Road Mississauga, Ontario		Drawn by: VK	Figure No.: 2
		Approved by: SS	Site Plan

JUN-15-2004 13:36 FROM AMEC EARTH & ENVIRONMENT TO 9058763328  
 7099  
 884417  
 4909501

**Instructions for Completing Form**

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only							
MUN		CON				LOT	
<b>Well Owner's Information and Location of Well Information</b>							
First Name <b>Region of Peel</b>		Last Name		Mailing Address (Street Number/Name, RR, Lot, Concession) <b>P.O. BOX 2219</b>			
County/District/Municipality		Township/City/Town/Village <b>Brampton</b>		Province <b>Ontario</b>	Postal Code <b>L6T 3S4</b>	Telephone Number (include area code)	
Address of Well Location (County/District/Municipality) <b>Port Credit Memorial Park</b>				Township		Lot	Concession
RR#/Street Number/Name			City/Town/Village <b>Port Credit</b>		Site/Compartment/Block/Tract etc.		
GPS Reading	NAD <b>83</b>	Zone <b>17</b>	Easting <b>614016</b>	Northing <b>4823262</b>	Unit Make/Model	Mode of Operation: <input type="checkbox"/> Undifferentiated <input type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify _____	

**Log of Overburden and Bedrock Materials (see instructions)**

General Colour	Most common material	Other Materials	General Description	Depth Metres	
				From	To
Brown	SAND	silt, gravel, wood chips		0	0.49
Brown	SILT	sand	fine grained, moist	0.49	3.54
Grey	SILT	clay, sand	wet, fine sand	3.54	7.87

Hole Diameter			Construction Record				Test of Well Yield					
Depth From	Metres To	Diameter Centimetres	Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To	Pumping test method	Draw Down Time min	Water Level Metres	Recovery Time min	Water Level Metres
0	7.87	20	5.0	<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	.4	0	4.82	Pump intake set at - (metres) 1			1	
Water Record			Screen				Duration of pumping					
Water found at _____ metres			Outside diam <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				_____ hrs + _____ min					
Kind of Water			Slot No. <b>D10</b>				Final water level end of pumping _____ metres					
<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals			6.1				Recommended pump type <input type="checkbox"/> Shallow <input type="checkbox"/> Deep					
<input type="checkbox"/> Other: _____			No Casing or Screen				Recommended pump depth _____ metres					
<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals			<input type="checkbox"/> Open hole				Recommended pump rate (litres/min) 10 15 20 25 30 40 50 60					
<input type="checkbox"/> Other: _____							If flowing give rate - (litres/min) 20 25 30 40 50 60					
After test of well yield, water was <input type="checkbox"/> Clear and sediment free <input type="checkbox"/> Other, specify _____							If pumping discontinued, give reason.					
Chlorinated <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No												

Plugging and Sealing Record			<input checked="" type="checkbox"/> Annular space	<input type="checkbox"/> Abandonment
Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)	
0	0.3	Concrete		
0.3	4.45	Bentonite		
4.45	7.87	Sand		

Method of Construction			
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Rotary (air)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (conventional)	<input type="checkbox"/> Air percussion	<input type="checkbox"/> Jetting	<input checked="" type="checkbox"/> Other <b>H.S.A</b>
<input type="checkbox"/> Rotary (reverse)	<input type="checkbox"/> Boring	<input type="checkbox"/> Driving	
Water Use			
<input type="checkbox"/> Domestic	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Supply	<input checked="" type="checkbox"/> Other <b>MONITORING</b>
<input type="checkbox"/> Stock	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used	
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Municipal	<input type="checkbox"/> Cooling & air conditioning	
Final Status of Well			
<input type="checkbox"/> Water Supply	<input type="checkbox"/> Recharge well	<input type="checkbox"/> Unfinished	<input type="checkbox"/> Abandoned, (Other)
<input checked="" type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Dewatering	
<input type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well	

Well Contractor/Technician Information	
Name of Well Contractor <b>All-Terrain Drilling Ltd.</b>	Well Contractor's Licence No. <b>1129</b>
Business Address (street name, number, city etc.) <b>3-661 Colby Dr. Waterloo, ON N2V 1C2</b>	
Name of Well Technician (last name, first name) <b>Girard, Jody Pollice, Michael</b>	Well Technician's Licence No. <b>268</b>
Signature of Technician/Contractor <i>[Signature]</i>	Date Submitted <b>2005 05 16</b>

Location of Well			
In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.			
Audit No. <b>2 26277</b>	Date Well Completed <b>2005 03 16</b>		
Was the well owner's information package delivered? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Delivered _____		

Ministry Use Only	
Data Source	Contractor <b>1129</b>
Date received <b>MAY 20 2005</b>	Date of Inspection _____
Remarks	Well Record Number



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- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.**
- Please print clearly in blue or black ink only.

**Well Owner's Information and Location of Well Information**

First Name <u>Region of Peel</u>		Last Name	Mailing Address (Street Number/Name, RR, Lot, Concession) <u>P.O. BOX 2219</u>			
County/District/Municipality		Township/City/Town/Village <u>Brampton</u>	Province <u>Ontario</u>	Postal Code <u>L6T 3S4</u>	Telephone Number (include area code)	
Address of Well Location (County/District/Municipality) <u>Port Credit Memorial Park</u>			Township	Lot	Concession	
RR#/Street Number/Name			City/Town/Village <u>Port Credit</u>	Site/Compartment/Block/Tract etc.		
GPS Reading	NAD <u>83</u>	Zone <u>17</u>	Easting <u>619239</u>	Northing <u>4823024</u>	Unit Make/Model	Mode of Operation: <input type="checkbox"/> Undifferentiated <input type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify

**Log of Overburden and Bedrock Materials (see instructions)**

General Colour	Most common material	Other Materials	General Description	Depth From	Metres To
Brown	SILT	sand		0	1.52
Brown	SAND		medium to coarse	1.52	3.05
Grey	SILT	sand	fine grained, wet	3.05	6.10
Grey	SAND		medium grained	6.10	6.71

Hole Diameter		
Depth From	Metres To	Diameter Centimetres
		<u>20</u>
Water Record		
Water found at <u>    </u> metres	Kind of Water	
<input type="checkbox"/> m <input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur	<input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals	
<input type="checkbox"/> Other:		
<input type="checkbox"/> m <input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur	<input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals	
<input type="checkbox"/> Other:		
<input type="checkbox"/> m <input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur	<input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals	
<input type="checkbox"/> Other:		
After test of well yield, water was		
<input type="checkbox"/> Clear and sediment free		
<input type="checkbox"/> Other, specify		
Chlorinated <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

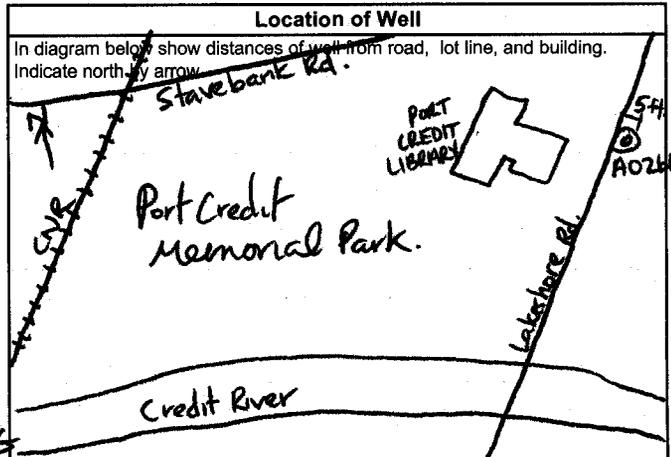
Construction Record					
Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To	
<u>5.0</u>	<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	<u>.4</u>	<u>+0.2</u>	<u>3.05</u>	
Casing					
	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				
Screen					
Outside diam	<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	Slot No.	<u>3.05</u>	<u>6.1</u>	
<u>6.1</u>		<u>.010</u>			
No Casing or Screen					
<input type="checkbox"/> Open hole					

Test of Well Yield				
Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	<u>1</u>		<u>1</u>	
Duration of pumping _____ hrs + _____ min	<u>2</u>		<u>2</u>	
Final water level end of pumping _____ metres	<u>3</u>		<u>3</u>	
Recommended pump type <input type="checkbox"/> Shallow <input type="checkbox"/> Deep	<u>4</u>		<u>4</u>	
Recommended pump depth. _____ metres	<u>5</u>		<u>5</u>	
Recommended pump rate. (litres/min)	<u>10</u>		<u>10</u>	
If flowing give rate - (litres/min)	<u>15</u>		<u>15</u>	
	<u>20</u>		<u>20</u>	
	<u>25</u>		<u>25</u>	
If pumping discontinued, give reason.	<u>30</u>		<u>30</u>	
	<u>40</u>		<u>40</u>	
	<u>50</u>		<u>50</u>	
	<u>60</u>		<u>60</u>	

Plugging and Sealing Record		
Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.
<u>0</u>	<u>0.3</u>	<u>Cement</u>
<u>0.3</u>	<u>2.4</u>	<u>Bentonite</u>
<u>2.4</u>	<u>6.71</u>	<u>Sand</u>

Method of Construction			
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Rotary (air)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (conventional)	<input type="checkbox"/> Air percussion	<input type="checkbox"/> Jetting	<input checked="" type="checkbox"/> Other <u>H.S.A.</u>
<input type="checkbox"/> Rotary (reverse)	<input type="checkbox"/> Boring	<input type="checkbox"/> Driving	
Water Use			
<input type="checkbox"/> Domestic	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Supply	<input checked="" type="checkbox"/> Other <u>MONITORING</u>
<input type="checkbox"/> Stock	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used	
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Municipal	<input type="checkbox"/> Cooling & air conditioning	
Final Status of Well			
<input type="checkbox"/> Water Supply	<input type="checkbox"/> Recharge well	<input type="checkbox"/> Unfinished	<input type="checkbox"/> Abandoned, (Other)
<input checked="" type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Dewatering	
<input type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well	

Well Contractor/Technician Information	
Name of Well Contractor <u>All-Terrain Drilling Ltd.</u>	Well Contractor's Licence No. <u>1129</u>
Business Address (street name, number, city etc) <u>3-661 Colby Dr. Waterloo, ON N2V 1C2</u>	
Name of Well Technician (last name, first name) <u>Buckley, Rick</u>	Well Technician's Licence No. <u>2827</u>
Signature of Technician/Contractor <u>[Signature]</u>	Date Submitted <u>2005 05 16</u>



Audit No. <b>Z 26278</b>	Date Well Completed YYYY MM DD <u>2005 04 05</u>
Was the well owner's information package delivered? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Delivered YYYY MM DD _____

Ministry Use Only	
Data Source	Contractor <u>1129</u>
Date Received YYYY MM DD <u>JUN 10 2005</u>	Date of Inspection YYYY MM DD _____
Remarks	Well Record Number





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Well Owner's Information and Location of Well Information

Table with columns: MUN, CON, LOT. Includes 'Ministry Use Only' header.

RR# Street Number/Name: Port Credit, Stovebank Road. City/Town/Village: Port Credit. Site/Compartment/Block/Tract etc. GPS Reading: NAD 83, Zone 07, Easting 935205, Northing 4933064, Unit Make/Model: Garmin Etrex.

Log of Overburden and Bedrock Materials (see instructions)

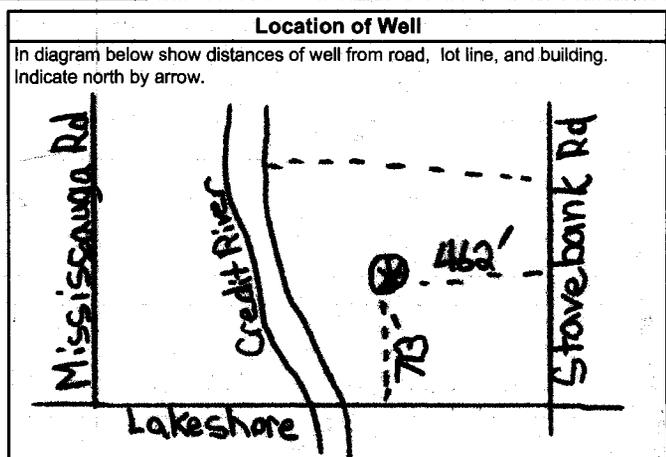
Table with columns: General Colour, Most common material, Other Materials, General Description, Depth From, Metres To. Includes handwritten note: Monitoring Well # MW116D.

Hole Diameter: Depth 0 to 6.70, Diameter 5.08. Water Record: Fresh water, clear and sediment free. Chlorinated: Yes.

Construction Record: Casing 5.08m, Material Plastic, Galvanized. Screen: No casing or screen. Open hole.

Test of Well Yield: Pumping test method, Draw Down, Recovery. Data points for time, water level, and recovery at various depths.

Plugging and Sealing Record: Depth 0 to 6.70, Material Bentonite Hole Plug, Volume Placed 0.01357.



Method of Construction: Rotary (air). Water Use: Not used. Final Status of Well: Abandoned (Other).

Audit No. Z 29082. Date Well Completed: 2005 06 23. Date Delivered: 2005 06 23.

Well Contractor/Technician Information: Name of Well Contractor: Merklinger Well Drilling. Well Contractor's Licence No. 7219. Name of Well Technician: Merklinger Calvin. Well Technician's Licence No. T2887.

Ministry Use Only: Data Source, Date Recd: 29 2005, Date of Inspection, Well Record Number.



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- Please print clearly in blue or black ink only.

**Well Owner's Information and Location of Well Information**

Ministry Use Only											
MUN										CON	LOT

RR#/Street Number/Name: **Port Credit Stakebank Road**  
 City/Town/Village: **Mississauga**  
 Site/Compartment/Block/Tract etc.: **Port of 20 acre mostly lot**  
 GPS Reading: NAD **813** Zone **07** Easting **935122** Northing **4333041** Unit Make/Model: **Garmin Etrex**  
 Mode of Operation:  Undifferentiated  Averaged  Differentiated, specify \_\_\_\_\_

**Log of Overburden and Bedrock Materials (see instructions)**

General Colour	Most common material	Other Materials	General Description	Depth Metres	
				From	To
<b>Monitoring Well # MW121B</b>					

**Hole Diameter**

Depth From	Metres To	Diameter Centimetres
0	2.39	5.08

**Water Record**

Water found at \_\_\_\_\_ Metres / Kind of Water

m  Fresh  Sulphur  
 Gas  Salty  Minerals  
 Other: \_\_\_\_\_

m  Fresh  Sulphur  
 Gas  Salty  Minerals  
 Other: \_\_\_\_\_

m  Fresh  Sulphur  
 Gas  Salty  Minerals  
 Other: \_\_\_\_\_

After test of well yield, water was  Clear and sediment free  Other, specify \_\_\_\_\_

Chlorinated  Yes  No

**Construction Record**

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To
5.08	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			

**Screen**

Outside diam	Material	Slot No.
	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	

**No Casing or Screen**

Open hole

**Test of Well Yield**

Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
Pump intake set at - (metres)	Static Level	1.54		
Pumping rate - (litres/min)	1		1	
Duration of pumping _____ hrs + _____ min	2		2	
Final water level end of pumping _____ metres	3		3	
Recommended pump type <input type="checkbox"/> Shallow <input type="checkbox"/> Deep	4		4	
Recommended pump depth _____ metres	5		5	
Recommended pump rate (litres/min)	10		10	
If flowing give rate - (litres/min)	15		15	
	20		20	
If pumping discontinued, give reason.	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

**Plugging and Sealing Record**  Annular space  Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	2.39	Bentonite Hole Plug	0.00585

**Method of Construction**

Cable Tool  Rotary (air)  Diamond  Digging  
 Rotary (conventional)  Air percussion  Jetting  Other  
 Rotary (reverse)  Boring  Driving

**Water Use**

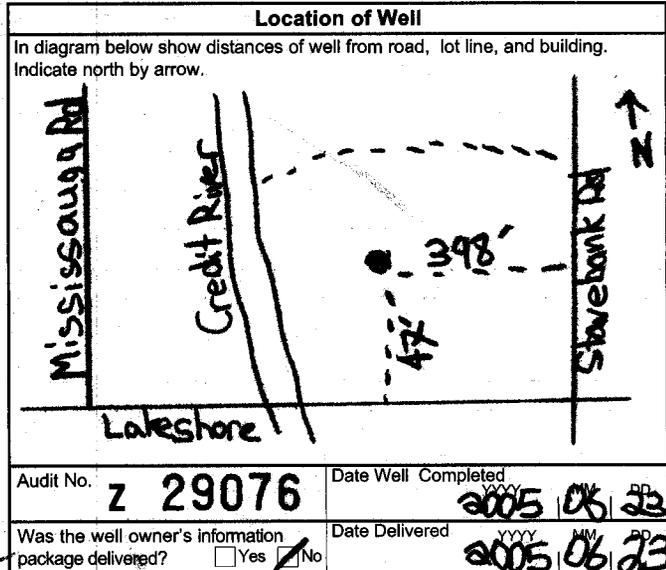
Domestic  Industrial  Public Supply  Other  
 Stock  Commercial  Not used  
 Irrigation  Municipal  Cooling & air conditioning

**Final Status of Well**

Water Supply  Recharge well  Unfinished  Abandoned, (Other)  
 Observation well  Abandoned, insufficient supply  Dewatering  
 Test Hole  Abandoned, poor quality  Replacement well

**Well Contractor/Technician Information**

Name of Well Contractor: **Had Calvin Merklinger Bell Drilling** Well Contractor's Licence No.: **7219**  
 Business Address (street name, number, city etc.): **65 Young St Apt 219 Alliston**  
 Name of Well Technician (last name, first name): **Merklinger Calvin** Well Technician's Licence No.: **12887**  
 Signature of Technician/Contractor: *Calvin Merklinger* Date Submitted: \_\_\_\_\_



**Ministry Use Only**

Audit No. **Z 29076** Date Well Completed: **2005 06 23**  
 Was the well owner's information package delivered?  Yes  No Date Delivered: **2005 06 23**  
 Data Source: \_\_\_\_\_ Contractor: **7219**  
 Date Received: **29 2005** Date of Inspection: \_\_\_\_\_  
 Remarks: \_\_\_\_\_ Well Record Number: \_\_\_\_\_

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Well Owner's Information and Location of Well Information

Table with columns: MUN, CON, LOT. Includes 'Ministry Use Only' header.

Form fields: Port Credit, MISSISSAUGA, Part of Bruce Marshy lot, Street Number/Name: Slavebank Road, City/Town/Village: Port Credit, Site/Compartment/Block/Tract etc., GPS Reading, NAD, Zone, Easting, Northing, Unit Make/Model, Mode of Operation.

Log of Overburden and Bedrock Materials (see instructions)

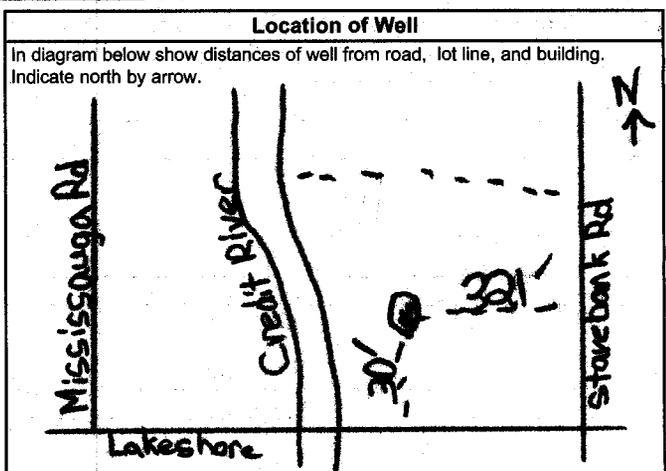
Table with columns: General Colour, Most common material, Other Materials, General Description, Depth From, Metres To. Includes handwritten note: Monitoring Well - MRH2

Hole Diameter table (Depth, Metres, Diameter) and Water Record table (Water found at, Kind of Water).

Construction Record table (Inside diam, Material, Wall thickness, Depth, Metres) with sections for Casing and Screen.

Test of Well Yield table (Pumping test method, Draw Down, Recovery) with columns for Time, Water Level, and Water Level.

Plugging and Sealing Record table (Depth set at, Material and type, Volume Placed).



Method of Construction and Water Use tables.

Audit No. Z 29080, Date Well Completed 2005 06 23, Was the well owner's information package delivered? Yes/No.

Final Status of Well and Well Contractor/Technician Information tables.

Ministry Use Only table (Data Source, Date Received, Date of Inspection, Remarks, Well Record Number).

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Well Owner's Information and Location of Well Information

Table with columns: MUN, CON, LOT. Includes 'Ministry Use Only' header.

Form fields: RP#/Street Number/Name (Stavebank Road), City/Town/Village (Mississauga), Site/Compartment/Block/Tract etc. (Part of duocre Marshy-lot), GPS Reading (8.3, 07, 495167, 433042), Unit Make/Model (Garmin Etrex), Mode of Operation (Undifferentiated, Averaged, Differentiated).

Log of Overburden and Bedrock Materials (see instructions)

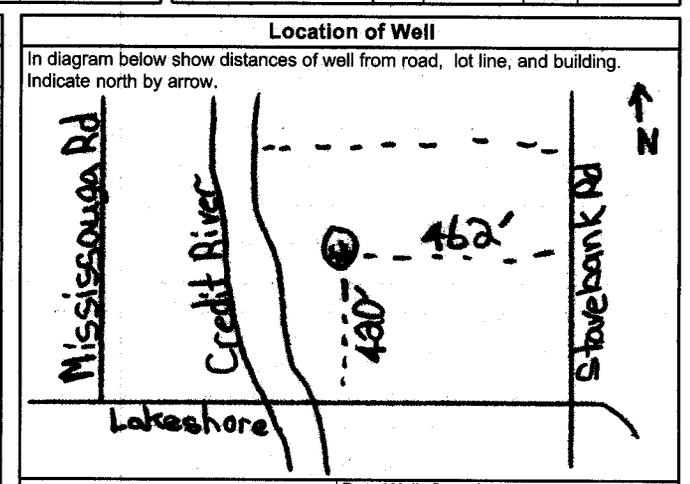
Table with columns: General Colour, Most common material, Other Materials, General Description, Depth From, Metres To. Includes handwritten note: 'Monitoring Well # MW1185'.

Hole Diameter table (Depth, Metres, Diameter) and Water Record table (Water found at, Kind of Water).

Construction Record table (Inside diam, Material, Wall thickness, Depth, Metres) with sections for Casing and Screen.

Test of Well Yield table (Pumping test method, Draw Down, Recovery) with sub-tables for Time min, Water Level Metres.

Plugging and Sealing Record table (Depth set at, Material and type, Volume Placed).



Method of Construction, Water Use, and Final Status of Well tables.

Audit No. (Z 29077), Date Well Completed (2005 06 23), Date Delivered (2005 06 23).

Well Contractor/Technician Information table (Name of Well Contractor, Business Address, Name of Well Technician, Signature).

Ministry Use Only table (Data Source, Date Received, Date of Inspection, Remarks, Well Record Number).



**Well Owner's Information**

First Name: Regional Municipality of Peel Last Name: Peel E-mail Address: \_\_\_\_\_  
 Well Constructed by Well Owner  
 Mailing Address (Street Number/Name, RR): 2255 Battleford Road Municipality: Mississauga Province: ON Postal Code: L5N8P6 Telephone No. (inc. area code): \_\_\_\_\_

**Part A Construction and/or Major Alteration of a Well**

Address of Well Location (Street Number/Name, RR): Port Credit Memorial Park - Stavebank Road / Lakeshore Rd. Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_  
 County/District/Municipality: Port Credit City/Town/Village: Port Credit Province: Ontario Postal Code: \_\_\_\_\_  
 UTM Coordinates: NAD 83 | Zone: 17 Easting: 614179 Northing: 4823015 GPS Unit Make: Magellan Model: \_\_\_\_\_ Mode of Operation:  Undifferentiated  Averaged  
 Differentiated, specify \_\_\_\_\_

**Overburden and Bedrock Materials (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
Brown/Ht	TOPSOIL/FILL	sand	soft, dry	0.0	0.3
Brown/Black	SILT	clay, sand seams	stiff to very stiff, dry to moist	0.3	1.52
Grey	SAND (fill)	silt	medium to coarse	1.52	1.83
Dark Brown/grey	SILT	clay, pebbles, sand	very stiff, moist to dry	1.83	2.74
Dark Grey/Black	CLAY / REFUSE	sand	very soft, wet, mixed with refuse, odourous	2.74	5.79

**Annular Space/Abandonment Sealing Record**

Depth Set at (Metres) From	Depth Set at (Metres) To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
0.0	0.3	Cement	
0.3	0.61	Sand	
0.61	3.81	Bentonite	
3.81	5.79	Sand	

**Results of Well Yield Testing**

Check box if after test of well yield, water was:	Draw Down		Recovery	
	Time (Min)	Water Level (Metres)	Time (Min)	Water Level (Metres)
<input type="checkbox"/> Clear and sand free				
<input type="checkbox"/> Cannot develop to sand-free state				
If pumping discontinued, give reason:	1		1	
Pumping test method	2		2	
Pump intake set at (Metres)	3		3	
Pumping rate (Litres/min)	4		4	
Duration of pumping	5		5	
hrs + min	10		10	
Final water level end of pumping (Metres)	15		15	
Recommended pump type	20		20	
<input type="checkbox"/> Shallow <input type="checkbox"/> Deep	25		25	
Recommended pump depth	30		30	
Metres	40		40	
Recommended pump rate (Litres/min)	50		50	
If flowing give rate (Litres/min)	60		60	

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Rotary (Air)  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Boring  Industrial  
 Other, specify HSA  Other, specify \_\_\_\_\_

**Water Use**

Water Supply  Dewatering Well  Observation and/or Monitoring Hole  
 Replacement Well  Abandoned, Insufficient Supply  Alteration (Construction)  
 Test Hole  Abandoned, Poor Water Quality  Other, specify \_\_\_\_\_  
 Recharge Well  Abandoned, other, specify \_\_\_\_\_

**Location of Well**

Please provide a map below showing:  
 - all property boundaries, and measurements sufficient to locate the well in relation to fixed points,  
 - an arrow indicating the North direction  
 - detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")  
 - digital pictures of inside of well can also be provided

- See attached.  
 - A055502 is MW2-07.

MW4-07 17 613857E 4823077N  
 MW3-07 17 613964E 4823059N  
 MW1-07

Date Well Completed (yyyy/mm/dd): 2007/06/27 Was the well owner's information package delivered?  Yes  No  
 Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd): \_\_\_\_\_

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: All-Terrain Drilling Ltd. Well Contractor's Licence No.: 111219  
 Business Address (Street No./Name, number, RR): 3-661 Colby Dr. Municipality: Waterloo  
 Province: ON Postal Code: N2V1K2 Business E-mail Address: allterrain@golden.net  
 Bus. Telephone No. (inc. area code): 5198868810 Name of Well Technician (Last Name, First Name): Buckley, Rick  
 Well Technician's Licence No.: 2827 Signature of Technician: \_\_\_\_\_ Date Submitted (yyyy/mm/dd): 2007/08/24

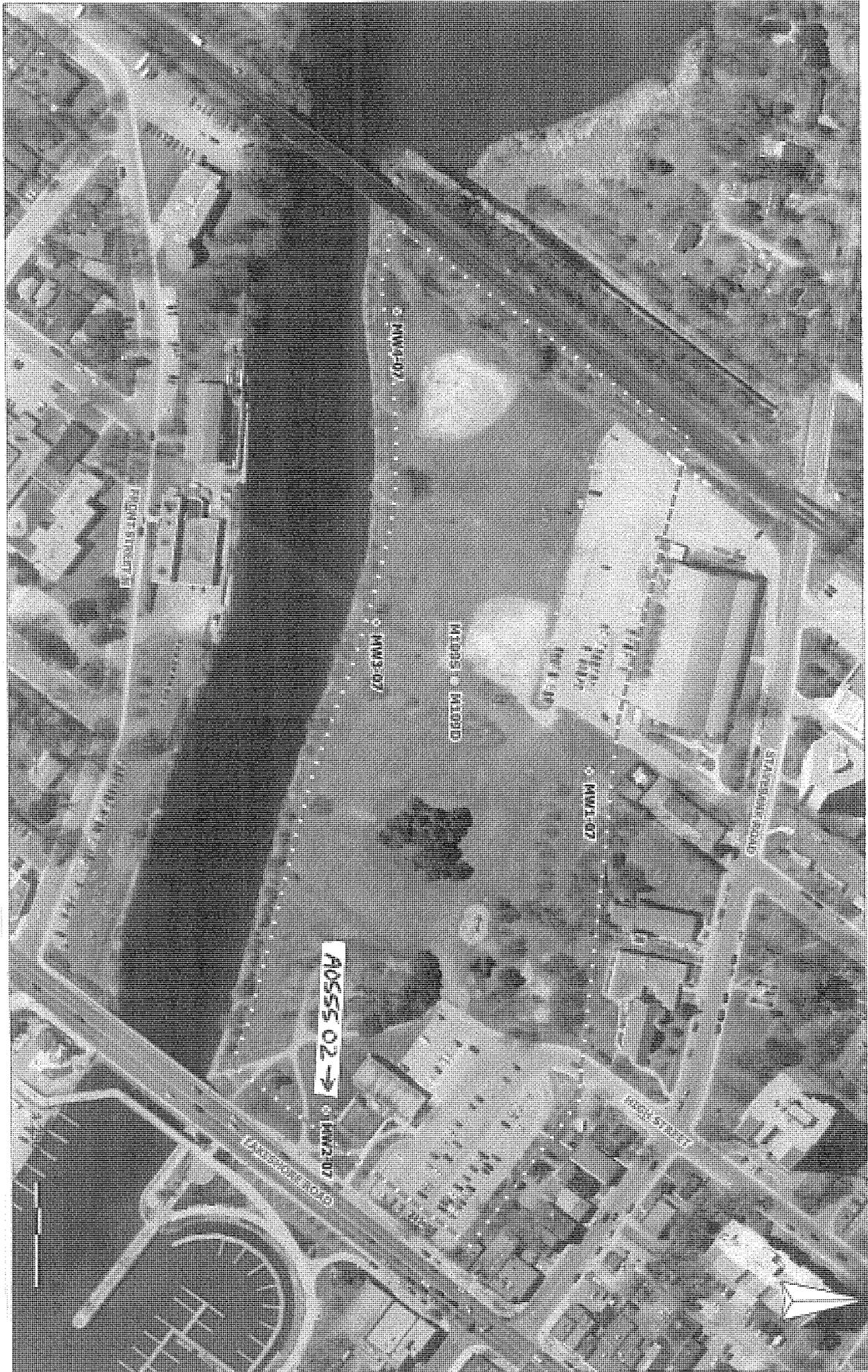
**Water Details**

Water found at Depth	Kind of Water
Metres <input type="checkbox"/> Gas	<input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
Metres <input type="checkbox"/> Gas	<input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
Metres <input type="checkbox"/> Gas	<input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals

**Casing Used**  Plastic  Concrete  
**Screen Used**  Plastic  Concrete  
**Casing and Well Details**  
 Diameter of the Hole (Centimetres): 20  
 Depth of the Hole (Metres): 5.79  
 Wall Thickness (Metres): 0.4 cm  
 Inside Diameter of the Casing (Metres): 5.0 cm  
 Depth of the Casing (Metres): 0.0 - 4.35

**Ministry Use Only**

Audit No.: 267536 Well Contractor No.: \_\_\_\_\_  
 Date Received (yyyy/mm/dd): OCT 25 2007 Date of Inspection (yyyy/mm/dd): \_\_\_\_\_  
 Remarks: \_\_\_\_\_



C#1129

E 67536

OCT 25 2007

A0555 02 ->

01 MW4-07

01 MW3-07

MIDBOS - HEBBID

01 MW1-07

ST. JAMES SCHOOL

HIGH STREET

01 MW2-07

01 MW5-07

HIGHT STREET



**NO TAG  
ABANDONMENT**

**Well Owner's Information**

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_ E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name, RR): Regional Municipality of Peel  
2555 Battleford Rd. Municipality: Mississauga Province: ON Postal Code: L5N8P6 Telephone No. (inc. area code): \_\_\_\_\_

**Part A Construction and/or Major Alteration of a Well**

Address of Well Location (Street Number/Name, RR): Port Credit Memorial Park - Stavebank Rd. / Lakeshore Rd. Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

County/District/Municipality: Port Credit City/Town/Village: \_\_\_\_\_ Province: **Ontario** Postal Code: \_\_\_\_\_

UTM Coordinates: NAD 83 Zone 17 Easting 6139904823088 Northing 4823088 GPS Unit Make Magellan Model: \_\_\_\_\_ Mode of Operation:  Undifferentiated  Averaged  Differentiated, specify \_\_\_\_\_

**Overburden and Bedrock Materials (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
	<u>2 wells abandoned in nested location.</u>				
	<u>M109S</u>		<u>- Monitoring well casing / screen pulled from ground. Borehole annulus caved in. Augured to depth of 1.8m and back filled.</u>		
	<u>M109D</u>		<u>- Monitoring well overdrilled, with rods inserted in well casing, to target depth. Monitoring well casing / screen removed from hole. Borehole reamed out to target depth, and holeplug placed using positive displacement methods.</u>		

**Annular Space/Abandonment Sealing Record**

Depth Set at (Metres) From	Depth Set at (Metres) To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
<u>0.00</u>	<u>0.30</u>	<u>Topsoil</u>	
<u>0.30</u>	<u>1.80</u>	<u>Bentonite</u>	
<u>1.80</u>	<u>3.96</u>	<u>Cave-in</u>	
<u>0.00</u>	<u>0.30</u>	<u>Topsoil</u>	
<u>0.30</u>	<u>6.40</u>	<u>Bentonite</u>	

**Results of Well Yield Testing**

Check box if after test of well yield, water was:  
 Clear and sand free  
 Cannot develop to sand-free state

If pumping discontinued, give reason: \_\_\_\_\_

Pumping test method: \_\_\_\_\_

Pump intake set at (Metres): \_\_\_\_\_

Pumping rate (Litres/min): \_\_\_\_\_

Duration of pumping: \_\_\_\_\_ hrs + \_\_\_\_\_ min

Final water level end of pumping (Metres): \_\_\_\_\_

Recommended pump type:  Shallow  Deep

Recommended pump depth: \_\_\_\_\_ Metres

Recommended pump rate (Litres/min): \_\_\_\_\_

If flowing give rate (Litres/min): \_\_\_\_\_

Draw Down	Recovery	
	Time (Min)	Water Level (Metres)
1	1	
2	2	
3	3	
4	4	
5	5	
10	10	
15	15	
20	20	
25	25	
30	30	
40	40	
50	50	
60	60	

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Rotary (Air)  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Boring  Industrial  
 Other, specify HSA  Other, specify \_\_\_\_\_

**Status of Well**

Water Supply  Dewatering Well  Observation and/or Monitoring Hole  
 Replacement Well  Abandoned, Insufficient Supply  Alteration (Construction)  
 Test Hole  Abandoned, Poor Water Quality  Other, specify \_\_\_\_\_  
 Recharge Well  Abandoned, other, specify \_\_\_\_\_

**Location of Well**

Please provide a map below showing:  
 - all property boundaries, and measurements sufficient to locate the well in relation to fixed points,  
 - an arrow indicating the North direction  
 - detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")  
 - digital pictures of inside of well can also be provided

- See attached

**Water Details**

Water found at Depth _____ Metres <input type="checkbox"/> Gas	Kind of Water <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
Water found at Depth _____ Metres <input type="checkbox"/> Gas	Kind of Water <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
Water found at Depth _____ Metres <input type="checkbox"/> Gas	Kind of Water <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals

**Casing Used**

Galvanized  Steel  Fibreglass  Plastic  Concrete

**Screen Used**  
 Galvanized  Steel  Fibreglass  Plastic  Concrete

**Casing and Well Details**  
 Diameter of the Hole (Centimetres): \_\_\_\_\_  
 Depth of the Hole (Metres): \_\_\_\_\_  
 Wall Thickness (Metres): \_\_\_\_\_

**No Casing and Screen Used**

Open Hole

Disinfected?  Yes  No

Inside Diameter of the Casing (Metres): \_\_\_\_\_  
 Depth of the Casing (Metres): \_\_\_\_\_

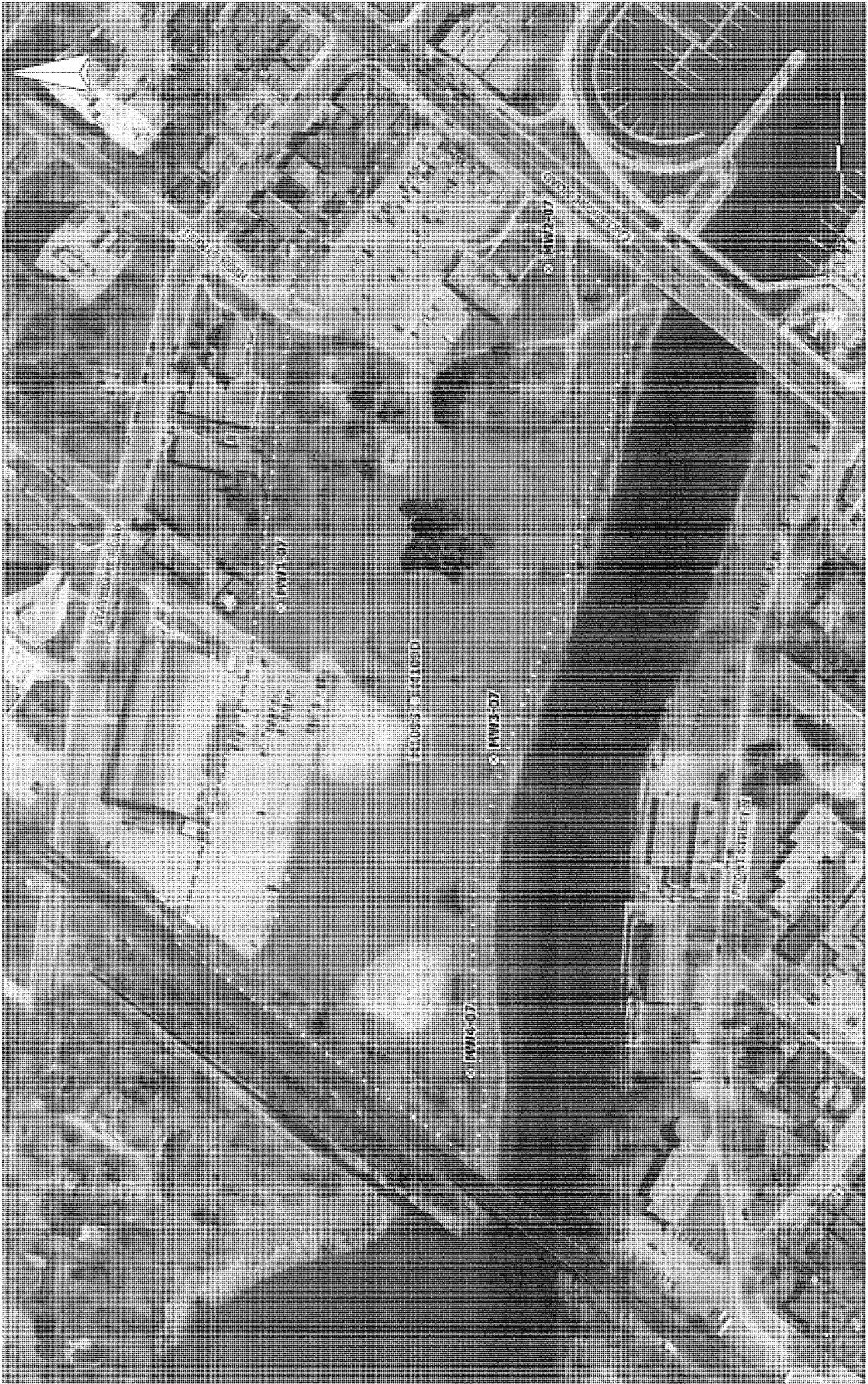
**Ministry Use Only**

Audit No. 267537 Well Contractor No. \_\_\_\_\_  
 Date Reported 2007/10/25 Date of Inspection (yyyy/mm/dd) \_\_\_\_\_  
 Remarks: \_\_\_\_\_

Date Well Completed (yyyy/mm/dd): 2007/06/29 Was the well owner's information package delivered?  Yes  No Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd): \_\_\_\_\_

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: All-Terrain Drilling Ltd. Well Contractor's Licence No.: 11129  
 Business Address (Street No./Name, number, RR): 3-661 Colby Dr. Municipality: Waterloo  
 Province: ON Postal Code: N2V1C2 Business E-mail Address: allterrain@golden.net  
 Bus. Telephone No. (inc. area code): 5198868810 Name of Well Technician (Last Name, First Name): Buckley, Rick  
 Well Technician's Licence No.: 2827 Signature of Technician: \_\_\_\_\_ Date Submitted (yyyy/mm/dd): 2007/08/24



C1129

267537

OCT 25 2007



**Instructions for Completing Form**

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Help Desk (Toll Free) at 1-888-396-9355.
- **All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.**
- Please print clearly in blue or black ink only.

**Well Owner's Information and Location of Well Information**

Ministry Use Only										
MUN								CON		LOT

RR#/Street Number/Name: Mississauga  
15 Hurontario Street.

City/Town/Village: Mississauga Site/Compartment/Block/Tract etc.

GPS Reading: NAD 8.3 Zone 17 Easting 614444 Northing 4823579 Unit Make/Model: Mag/Gold Mode of Operation:  Undifferentiated  Averaged  Differentiated, specify

**Log of Overburden and Bedrock Materials (see instructions)**

General Colour	Most common material	Other Materials	General Description	Depth Metres	
				From	To
		Decommissioned 3 wells 1 - 23' 6" 1 - 17' 1 - 16'			
		Removed casings Augered to depth Sealed with Bentonite.			

**Hole Diameter**

Depth From	Metres To	Diameter Centimetres
0	7.16	15.24

**Construction Record**

Inside diam centimetres	Material	Wall thickness centimetres	Depth Metres	
			From	To
<b>Casing</b>				
	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			
	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			
	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			
<b>Screen</b>				
Outside diam	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	Slot No.		
<b>No Casing or Screen</b>				
	<input type="checkbox"/> Open hole			

**Test of Well Yield**

Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping _____ hrs + _____ min	2		2	
Final water level end of pumping _____ metres	3		3	
Recommended pump type. <input type="checkbox"/> Shallow <input type="checkbox"/> Deep	4		4	
Recommended pump depth. _____ metres	5		5	
Recommended pump rate. (litres/min)	10		10	
	15		15	
If flowing give rate - (litres/min)	20		20	
	25		25	
If pumping discontinued, give reason.	30		30	
	40		40	
	50		50	
	60		60	

**Plugging and Sealing Record**  Annular space  Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	7.16	Bentonite	0.13

**Location of Well**

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.

**Method of Construction**

Cable Tool  Rotary (air)  Diamond  Digging  
 Rotary (conventional)  Air percussion  Jetting  Other Augering  
 Rotary (reverse)  Boring  Driving

**Water Use**

Domestic  Industrial  Public Supply  Other  
 Stock  Commercial  Not used  
 Irrigation  Municipal  Cooling & air conditioning

**Final Status of Well**

Water Supply  Recharge well  Unfinished  Abandoned, (Other) Decomission  
 Observation well  Abandoned, insufficient supply  Dewatering  
 Test Hole  Abandoned, poor quality  Replacement well

Audit No. **Z 70743** Date Well Completed 2008 4 22

Was the well owner's information package delivered?  Yes  No Date Delivered \_\_\_\_\_

**Well Contractor/Technician Information**

Name of Well Contractor: Terracore Well Contractor's Licence No.: 7082

Business Address (street name, number, city etc.): 293 Hwy 5 St. George

Name of Well Technician (last name, first name): Hall, Jim Well Technician's Licence No.: T-3405

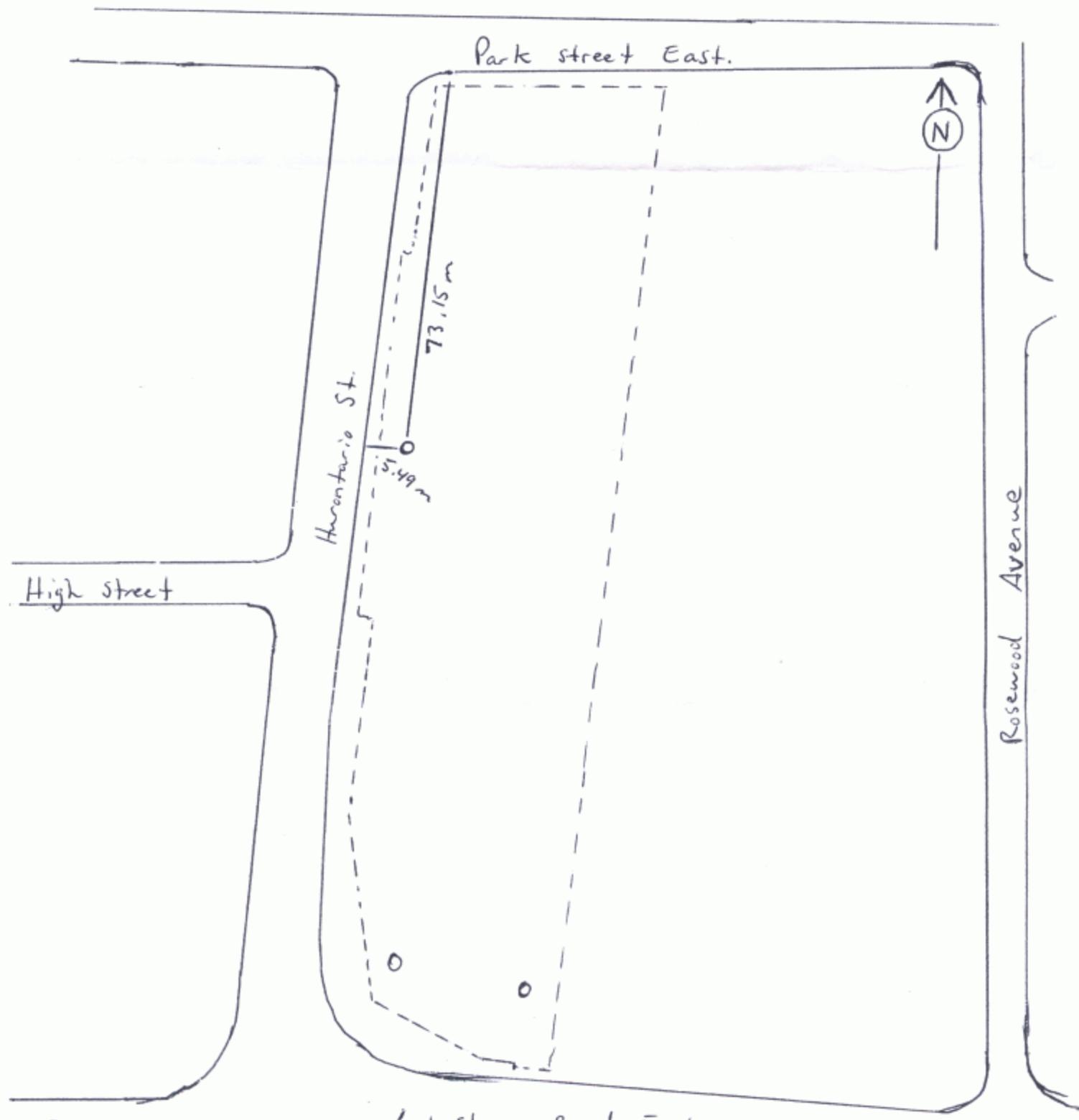
Signature of Technician/Contractor: [Signature] Date Submitted 2008 10 29

**Ministry Use Only**

Data Source: \_\_\_\_\_ Contractor: \_\_\_\_\_

Date Received: MAY 01 2008 Date of Inspection: \_\_\_\_\_

Remarks: \_\_\_\_\_ Well Record Number: \_\_\_\_\_



C-7082

MAY 01 2008

Lakeshore Road East Z70743

Measurements recorded in:  Metric  Imperial

**A 075601**

4881

Page 4 of 5

Address of Well Location (Street Number/Name): **107-113 LAKESHORE BLVD E.** Township: **Miss** Lot: Concession:

County/District/Municipality: **Miss.** City/Town/Village: **Miss** Province: **Ontario** Postal Code:

UTM Coordinates: Zone: **17T** Easting: **0614466** Northing: **4823265** Municipal Plan and Sublot Number: Other:

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)					
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Bk	ORGANICS	Fill.	Loose	0	0.12
Bwn	SAND	SILT.	Loose	1.22	3.1
GM	SAND.	SILT/CLAY.	WET	3.1	4.88

Annular Space		
Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)
0	0.3	CONCRETE
0.3	1.5	BENTONITE
1.5	4.88	SILICA SAND

Method of Construction	Well Use
<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Rotary (Reverse) <input type="checkbox"/> Boring <input type="checkbox"/> Air percussion <input checked="" type="checkbox"/> Other, specify <b>GEOPROBE</b>	<input type="checkbox"/> Public <input type="checkbox"/> Commercial <input type="checkbox"/> Not used <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal <input type="checkbox"/> Dewatering <input type="checkbox"/> Livestock <input type="checkbox"/> Test Hole <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Irrigation <input type="checkbox"/> Cooling & Air Conditioning <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify

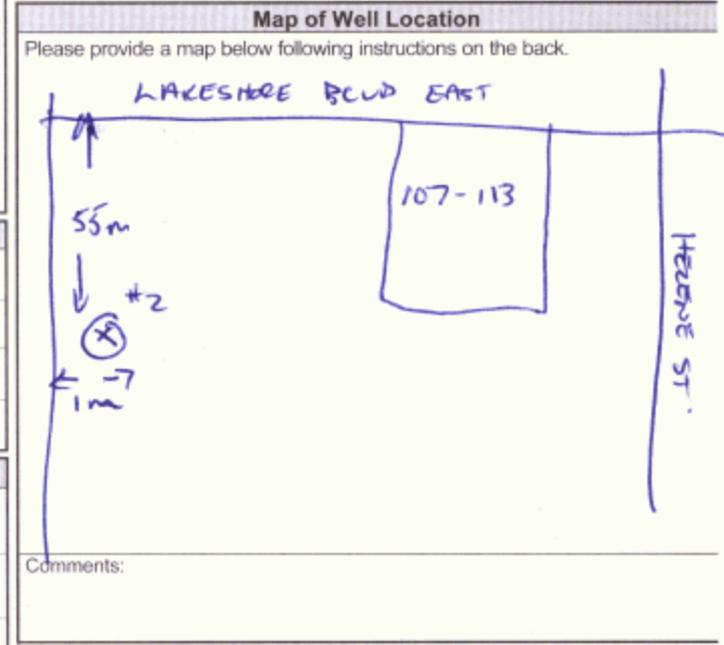
Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
			From	To	
3.81	P.V.C.	.25	0	1.83	

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
3.81	P.V.C	10	1.83	4.88

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From	To
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

Well Contractor and Well Technician Information			
Business Name of Well Contractor: <b>STRATA SOIL</b>		Well Contractor's Licence No.: <b>7241</b>	
Business Address (Street Number/Name): <b>147 WEST BEAVER CREEK</b>		Municipality: <b>Richmond Hill</b>	
Province: <b>ON</b>	Postal Code: <b>L4B 1C6</b>	Business E-mail Address: <b>WWW.STRATA SOIL.COM</b>	
Bus. Telephone No. (inc. area code): <b>905-764-9304</b>		Name of Well Technician (Last Name, First Name): <b>Mike Brown</b>	
Well Technician's Licence No.: <b>T-2977</b>		Signature of Technician and/or Contractor: <i>[Signature]</i>	
		Date Submitted: <b>2008/09/10</b>	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level			
	1		1	
	Pump intake set at (m/ft)	2	2	
	Pumping rate (l/min / GPM)	3	3	
	Duration of pumping hrs + min	4	4	
	Final water level end of pumping (m/ft)	5	5	
If flowing give rate (l/min / GPM)	10		10	
	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
Recommended pump depth (m/ft)	50		50	
	60		60	
Recommended pump rate (l/min / GPM)				
Well production (l/min / GPM)				
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No				



Well owner's information package delivered		Date Package Delivered		Ministry Use Only	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Y Y Y Y	M M D D	Audit No. <b>Z 81860</b>	<b>JUL 31 2008</b>
		Date Work Completed		Received	
		Y Y Y Y M M D D			

Measurements recorded in:  Metric  Imperial

Address of Well Location (Street Number/Name): **107-113 Lakeshore Blvd E.** Township: **Miss.** Lot: Concession:   
 County/District/Municipality: City/Town/Village: **Miss.** Province: **Ontario** Postal Code:   
 UTM Coordinates: Zone: **17T** Easting: **0694601** Northing: **4623210** Municipal Plan and Sublot Number: Other:

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)					
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Bk.	ORGANICS.	Fill.	LOOSE.	0	2.22
Brown.	SAND.	Silt	LOOSE.	2.22	3.1
Gray	SAND.	SILT/CLAY.	WET	3.1	4.88

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
From	To	
0	0.3	CONCRETE
0.3	1.5	BENTONITE.
1.5	4.88	SILICA SAND.

Method of Construction	Well Use
<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Rotary (Reverse) <input type="checkbox"/> Boring <input type="checkbox"/> Air percussion <input checked="" type="checkbox"/> Other, specify <b>GEOPROBE</b>	<input type="checkbox"/> Public <input type="checkbox"/> Domestic <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify <input type="checkbox"/> Commercial <input type="checkbox"/> Municipal <input type="checkbox"/> Test Hole <input type="checkbox"/> Cooling & Air Conditioning <input type="checkbox"/> Not used <input type="checkbox"/> Dewatering <input checked="" type="checkbox"/> Monitoring

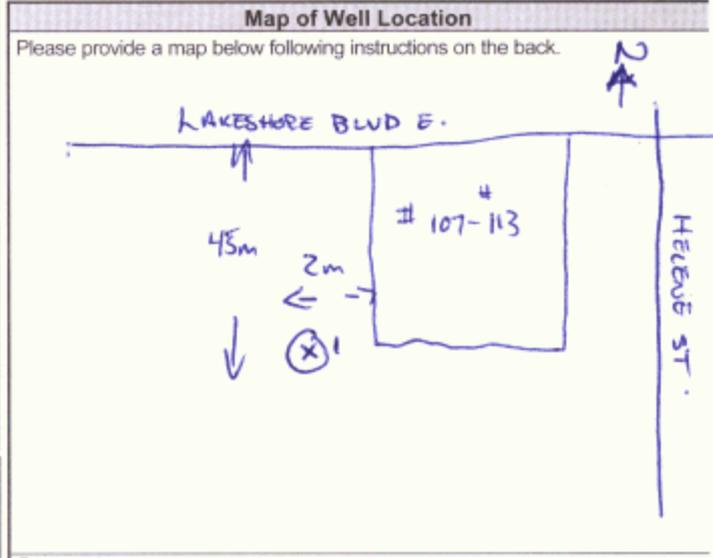
Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
			From	To	
3.81	P.V.C	.25	0	1.83	

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
3.81	P.V.C	10	1.83	4.88

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From	Diameter (cm/in) To
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

Well Contractor and Well Technician Information			
Business Name of Well Contractor: <b>STRATA SOIL</b>	Well Contractor's Licence No.: <b>7241</b>		
Business Address (Street Number/Name): <b>147 WEST BOWER CREEK</b>	Municipality: <b>Richmond Hill</b>		
Province: <b>Ont.</b>	Postal Code: <b>L4B 1C6</b>	Business E-mail Address: <b>www.stratasoil.com</b>	
Bus. Telephone No. (inc. area code): <b>905-764-9504</b>	Name of Well Technician (Last Name, First Name): <b>Mike Brown</b>		
Well Technician's Licence No.: <b>T-2977</b>	Signature of Technician and/or Contractor: <i>[Signature]</i>	Date Submitted: <b>2005/09/10</b>	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level			
	1		1	
	Pump intake set at (m/ft)	2	2	
	Pumping rate (l/min / GPM)	3	3	
	Duration of pumping _____ hrs + _____ min	5	5	
	Final water level end of pumping (m/ft)	10	10	
If flowing give rate (l/min / GPM)	15		15	
	20		20	
	Recommended pump depth (m/ft)	25	25	
	Recommended pump rate (l/min / GPM)	30	30	
	Well production (l/min / GPM)	40	40	
	Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	50	50	
	60	60		



Well owner's information package delivered: <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered: Y Y Y Y M M D D	<b>Ministry Use Only</b> Audit No. <b>Z 81870</b> <b>JUL 3 1 2008</b> Received
Date Work Completed: Y Y Y Y M M D D		

Master Well Owner's and Land Owner's Information

First Name, Last Name, E-mail Address, Mailing Address (Street Number/Name, RR), Municipality, Province, Postal Code, Telephone No. (inc. area code)

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR), Township, Lot, Concession, County/District/Municipality, City/Town/Village, Province, Postal Code, UTM Coordinates, Zone, Easting, Northing, GPS Unit Make, Model, Mode of Operation

Overburden and Bedrock Materials (see instructions on the back of this form) table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (Metres) From, To

Hole Details table with columns: Depth (Metres) From, To, Diameter (Centimetres)

Water Use section with checkboxes for Public, Industrial, Not used, Other, Domestic, Commercial, Dewatering, Livestock, Municipal, Monitoring, Irrigation, Test Hole, Cooling & Air Conditioning

Method of Construction section with checkboxes for Cable Tool, Air Percussion, Digging, Rotary (Conventional), Diamond, Boring, Rotary (Reverse), Jetting, Other, Rotary (Air), Driving

Status of Well section with checkboxes for Test Hole, Abandoned, Insufficient Supply, Replacement Well, Abandoned, Poor Water Quality, Dewatering Well, Other, Alteration (Construction), Abandoned, other

No Casing and Screen Used, Static Water Level Test

Construction Details table with columns: Inside Diameter (Centimetres), Material, Wall Thickness, Depth (Metres) From, To

Screen section with checkboxes for Galvanized, Steel, Fibreglass, Concrete, Plastic, Outside Diameter (Centimetres), Slot No.

Water Details section with fields for Water found at Depth, Kind of Water (Fresh, Salty, Sulphur, Minerals)

Annular Space/Abandonment Sealing Record table with columns: Depth Set at (Metres) From, To, Type of Sealant Used (Material and Type), Volume Used (Cubic Metres)

Disinfected Yes/No, Date Master Well Completed (yyyy/mm/dd)

Cluster Information section with fields for Total Wells in Cluster, Total Wells on this Property, Please indicate Number of Cluster Well Information Log Sheets Submitted

Location of Well Cluster section with text: Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14").

Consent to release additional information concerning the cluster to the Director upon request

Signature of Technician/Contractor, Date (yyyy/mm/dd), Master Well Owner's/Land Owner's consent to use Cluster Form

Well Contractor and Well Technician Information section with fields for Business Name of Well Contractor, Well Contractor's Licence No., Business Address, Municipality, Province, Postal Code, Business E-mail Address, Bus. Telephone No., Name of Well Technician, Well Technician's Licence No., Signature of Technician, Date Submitted

Ministry Use Only section with fields for Audit No., Well Contractor No., Date Received, Date of Inspection, Remarks

A067348

**Property Owner's Information**

First Name: Canadian Time Real Estate Ltd  
 Last Name: [Redacted]  
 Mailing Address (Street No./Name, RR): 2180 Young St #15th Fl Toronto  
 Municipality: Toronto  
 Province: ONT  
 Postal Code: M4D 2U8  
 Telephone No. (inc. area code): 416 480 8834

**Cluster Well Information**

Address of Well Location (Street Number/Name, RR): 2850 Kingston Rd  
 Lot: [Redacted]  
 Concession: [Redacted]  
 Township: Toronto  
 County/District/Municipality: Toronto  
 City/Town/Village: Toronto  
 Province: Ontario  
 Postal Code: M1M 1M7  
 GPS Unit Make: Magellan  
 Model: sportray  
 Unit Mode of Operation:  Undifferentiated  Averaged  Differentiated, specify: \_\_\_\_\_

Signature of Technician/Contractor: *[Signature]*  
 Date (yyyy/mm/dd): 08/07/10

Well # on Sketch	UTM Coordinates		Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres)		Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
	Zone	Easting						Northing	From					
1	17G	1431	34823059	12.0	21	Boring	plastic	3.6	3.6	0.6	Benbrite			08/07/10
3	17G	1201	44842423	12.0	21	Boring	plastic	3.6	3.6	0.6	Benbrite			08/07/10
4	17G	4203	44842449	12.0	21	Boring	plastic	4.5	4.5	7.6	Benbrite			08/07/08
5	17G	4204	44842465	12.0	21	Boring	plastic	4.5	4.5	7.6	Benbrite			08/07/11

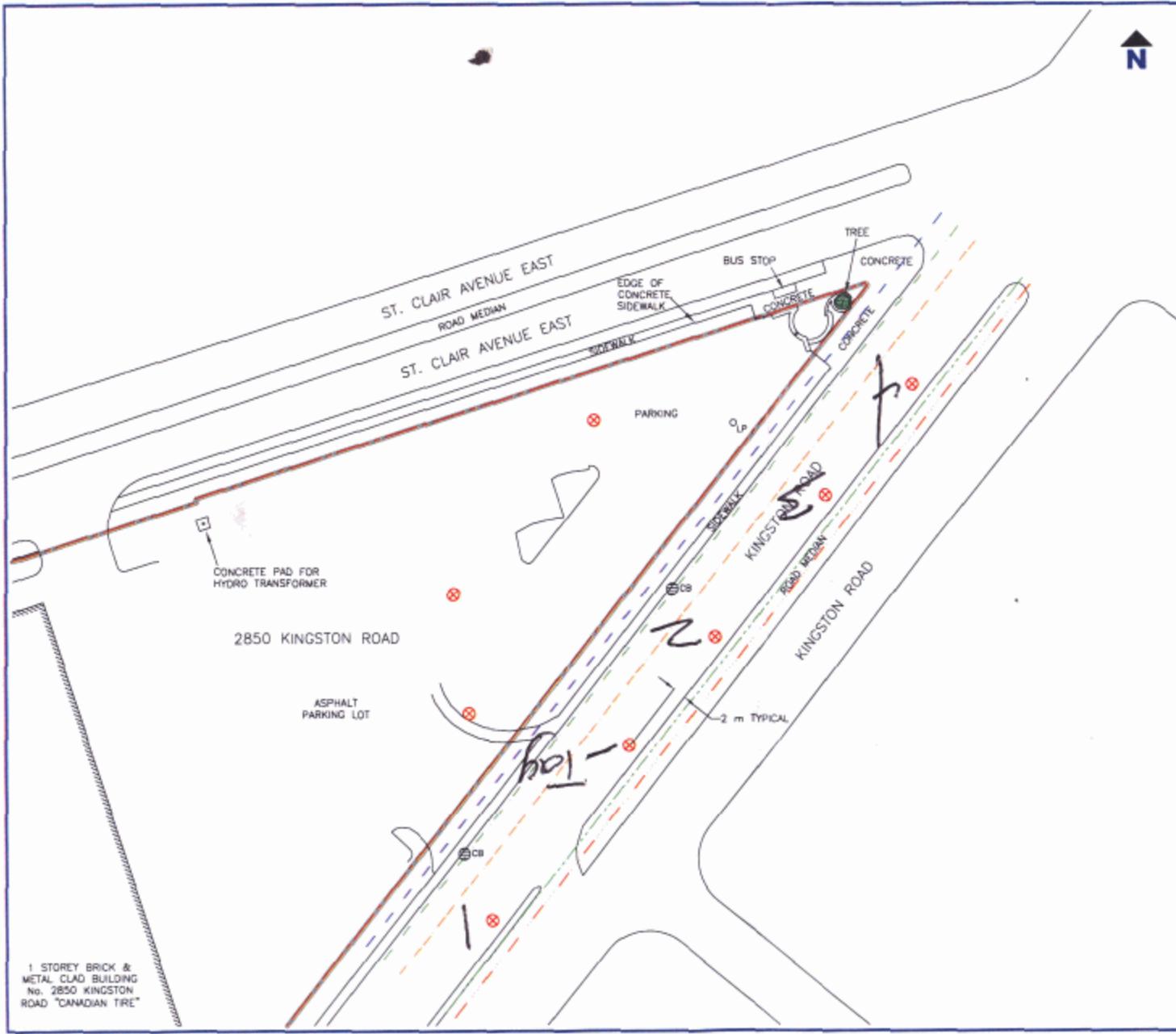
**Well Contractor and Well Technician Information**

Business Name of Well Contractor: GEO-Environmental Drilling Inc  
 Business Address (Street Number/Name, RR): 340 Market Dr  
 Municipality: Halton  
 Province: ONT  
 Postal Code: L1R 5A4  
 Business Telephone No. (inc. area code): 905 876 3388  
 Well Contractor's Licence No.: 6607  
 Business E-mail Address: [Redacted]  
 Name of Well Technician (First Name, Last Name): Mike Edwards  
 Well Technician's Licence No.: 1967  
 Date Submitted (yyyy/mm/dd): 08/07/11  
 Signature of Technician: *[Signature]*

Date 1st Well in Cluster Constructed (yyyy/mm/dd): 08/07/07  
 Date Last Well in Cluster Constructed (yyyy/mm/dd): 08/07/11

**Ministry Use Only**

Date Received (yyyy/mm/dd): FEB 02 2009  
 Date Inspected (yyyy/mm/dd): [Redacted]  
 Audit No.: C 03309  
 Remarks: m02491



**NOTES**  
 DRAWING REFERENCED FROM JD BARNES LTD. SURVEY JANUARY 26, 2007.  
 DRAWING FILE NUMBER 06-21-635-00.  
 PROPOSED BOREHOLE LOCATIONS APPROXIMATE

**LEGEND**

- PROPERTY BOUNDARY
- SITE LOCATION
- PROPOSED BOREHOLE/MONITORING WELL LOCATION
- LIGHT POLE
- CATCH BASIN
- UTILITIES AND SYMBOLS
- U/G SANITARY SEWER
- U/G STORM SEWER
- U/G TELEPHONE
- U/G WATER LINE
- U/G ELECTRICAL (STREET LIGHTING)

THE CONFIGURATION OF THE STREET LIGHTING AND STORM SEWER UTILITIES UNDER THE ROADWAY ISLAND WAS NOT VERIFIED.

SCALE 1:600  
 WHEN PLOTTED AT 11x17 PAGE SIZE

0 15 30 45m

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

**CANADIAN TIRE REAL ESTATE LIMITED**  
 2850 KINGSTON ROAD  
 TORONTO, ONTARIO

Report: PROJECT UPDATE

Drawing: PROPOSED BOREHOLE / MONITORING WELL LOCATIONS

Date: April 18, 2008 Scale: AS SHOWN Fig. No.: 8

File Name: 0\_20945566122-00 Project No.: 209\_05590\_02

**SLR**

FEB 02 2009  
 C-6607 MOD491 C03309

Measurements recorded by:  Metric  Imperial

Well Location					
Address of Well Location (Street Number/Name) <b>107-113 Lakeshore Rd E</b>			Township <b>Dart Credit</b>	Lot	Concession
County/District/Municipality <b>Peel</b>			City/Town/Village <b>MISSISSAUGA</b>	Province <b>Ontario</b>	Postal Code
UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD	83	17614472	8232615		

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)					
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
From	To			From	To
Black	Asphalt		hard	0	3
Brown	Silt	Sand	Loose	3	8
Grey	Silt	pebbles	Dense	8	15
	① 614 484	4823 276			
	② 614 475	4823 260			
	④ 614 450	4823 263			
	⑤ 614 450	4823 266			

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )	
From	To		
1	3	Bentonite Chips	
0	1	Cement	

Results of Well Yield Testing					
After test of well yield, water was:		Draw Down		Recovery	
<input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify		Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:		Static Level			
Pump intake set at (m/ft)		1		1	
Pumping rate (l/min / GPM)		2		2	
Duration of pumping		3		3	
hrs + min		4		4	
Final water level end of pumping (m/ft)		5		5	
If flowing give rate (l/min / GPM)		10		10	
Recommended pump depth (m/ft)		15		15	
Recommended pump rate (l/min / GPM)		20		20	
Well production (l/min / GPM)		25		25	
Disinfected?		30		30	
<input type="checkbox"/> Yes <input type="checkbox"/> No		40		40	
		50		50	
		60		60	

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole
<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
			From	To	
2	PVC	SC40	4	0	

Construction Record - Screen					
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		<input type="checkbox"/> Other, specify
			From	To	
2	PVC	10	19	4	

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Depth (m/ft)	Diameter (cm/in)
		From	To

Well Contractor and Well Technician Information			
Business Name of Well Contractor <b>ARCOST Drilling</b>		Well Contractor's Licence No. <b>610312</b>	
Business Address (Street Number/Name) <b>2160 Hwy #77 Concord</b>		Municipality <b>YORK</b>	
Province <b>ONT</b>	Postal Code <b>L4K1W6</b>	Business E-mail Address	
Bus. Telephone No. (inc. area code) <b>90516691253</b>	Name of Well Technician (Last Name, First Name) <b>Monette Chikis</b>		
Well Technician's Licence No. <b>1685</b>	Signature of Technician and/or Contractor <i>[Signature]</i>	Date Submitted <b>20090925</b>	

Map of Well Location							
Please provide a map below following instructions on the back. <b>Lake Shore Rd E</b>							
Comments: <b>Soil Mat.</b>							
Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered <b>20090925</b>						
<table border="1"> <thead> <tr> <th colspan="2">Ministry Use Only</th> </tr> <tr> <th>Audit No.</th> <th>Received</th> </tr> </thead> <tbody> <tr> <td><b>2095800</b></td> <td><b>NOV 05 2009</b></td> </tr> </tbody> </table>		Ministry Use Only		Audit No.	Received	<b>2095800</b>	<b>NOV 05 2009</b>
Ministry Use Only							
Audit No.	Received						
<b>2095800</b>	<b>NOV 05 2009</b>						

Measurements recorded in:  Metric  Imperial

Page 1 of 4

**Well Owner's Information**

First Name: \_\_\_\_\_ Last Name / Organization: Center City Capital Limited E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): 1 Port St East Suite 301 Municipality: Mississauga Province: \_\_\_\_\_ Postal Code: L5G4N1 Telephone No. (inc. area code): \_\_\_\_\_

**Well Location**

Address of Well Location (Street Number/Name): 91 & 99 Lakeshore Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

County/District/Municipality: \_\_\_\_\_ City/Town/Village: Mississauga Province: Ontario Postal Code: \_\_\_\_\_

UTM Coordinates: Zone 17 Easting 6144594823152 Northing: \_\_\_\_\_ Municipal Plan and Sublot Number: \_\_\_\_\_ Other: WKQ-002703  
A 0 - A 00

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
<u>Brown</u>	<u>Sand</u>			<u>0</u>	<u>8'</u>
<u>Brown</u>	<u>Silt</u>	<u>Sand</u>		<u>8'</u>	<u>15'</u>

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
<u>0</u> to <u>1'</u>	<u>Concrete</u>	
<u>1'</u> to <u>4'</u>	<u>Benseal</u>	
<u>4'</u> to <u>15'</u>	<u>Sand</u>	

**Results of Well Yield Testing**

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: _____	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
Pump intake set at (m/ft)	2		2	
Pumping rate (l/min / GPM)	3		3	
Duration of pumping _____ hrs + _____ min	5		5	
Final water level end of pumping (m/ft)	10		10	
If flowing give rate (l/min / GPM)	15		15	
Recommended pump depth (m/ft)	20		20	
Recommended pump rate (l/min / GPM)	25		25	
Well production (l/min / GPM)	30		30	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	40		40	
	50		50	
	60		60	

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify Direct Push  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
<u>1.5"</u>	<u>Pvc</u>	<u>1/4"</u>	<u>0</u>	<u>5'</u>	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
<u>13/4"</u>	<u>Pvc</u>	<u>10</u>	<u>5'</u>	<u>15'</u>

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Hole Diameter	
		Depth (m/ft)	Diameter (cm/in)
<u>0</u>		<u>0</u> to <u>15'</u>	<u>10.92</u>

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata Soil Sampling Inc. Well Contractor's Licence No.: 7 2 | 4 1

Business Address (Street Number/Name): 147-2 West Beaver Creek Road Municipality: Richmond Hill

Province: Ontario Postal Code: L4B 1C6 Business E-mail Address: wrecords@stratasoil.com

Bus. Telephone No. (inc. area code): 905-764-9304 Name of Well Technician (Last Name, First Name): Maiz, Mike

Well Technician's Licence No.: 3448 Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: 20100626

**Map of Well Location**

Please provide a map below following instructions on the back.

See map mw #1.

Comments: General contractor: Pinchin Environmental

**Ministry Use Only**

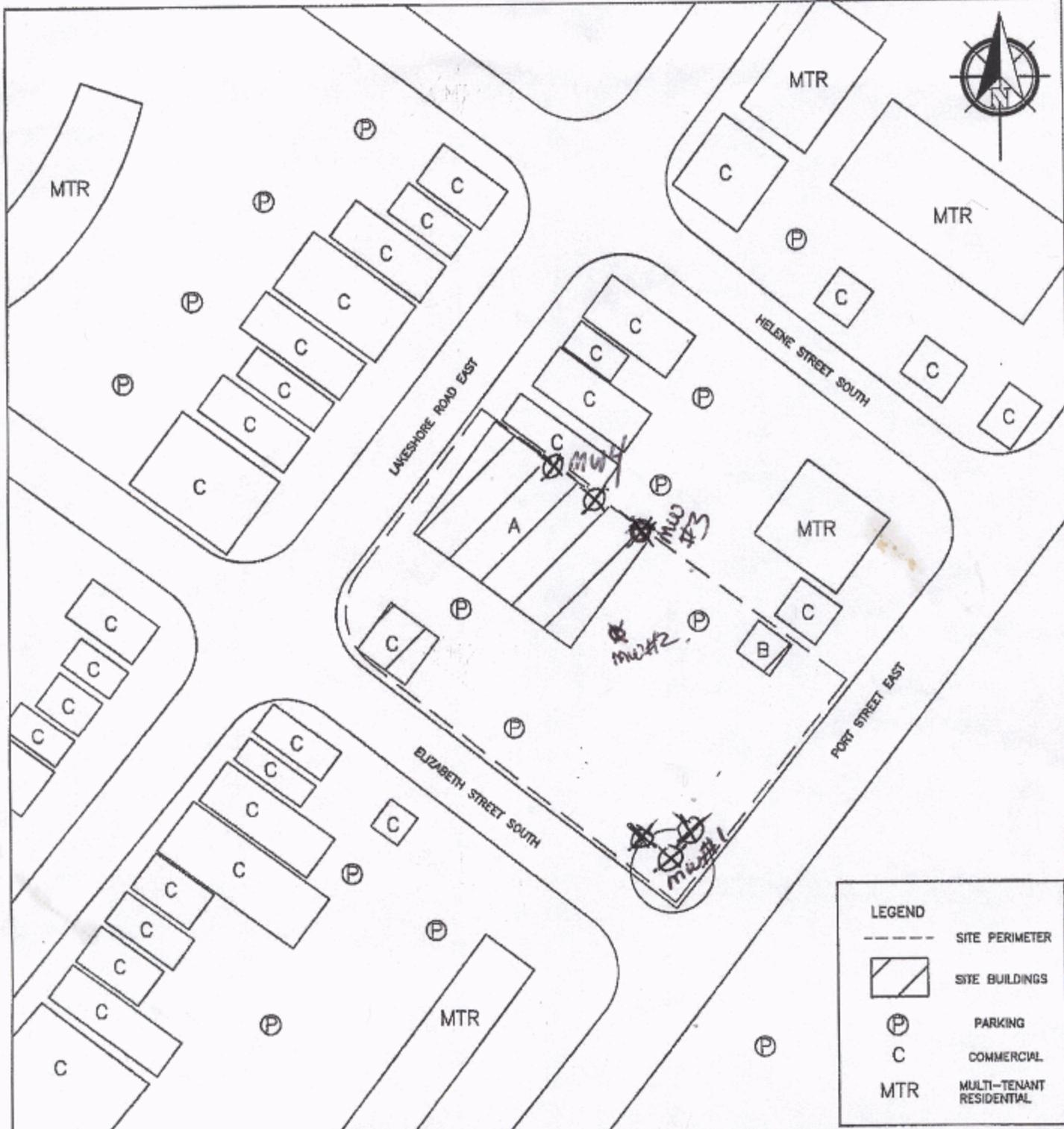
Audit No.: z116139

Date Package Delivered: \_\_\_\_\_ Date Work Completed: 20100610

Well owner's information package delivered:  Yes  No

Recorded: JUL 16 2010

7528



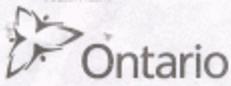
LEGEND	
	SITE PERIMETER
	SITE BUILDINGS
	PARKING
	COMMERCIAL
	MULTI-TENANT RESIDENTIAL



PROJECT NAME				PHASE I ENVIRONMENTAL SITE ASSESSMENT	
CLIENT NAME				CENTRE CITY CAPITAL LIMITED	
PROJECT LOCATION				99 LAKESHORE ROAD EAST MISSISSAUGA, ONTARIO	
DRAWING NAME				DRAWING NO.	
SITE AND SURROUNDING LAND USE PLAN				FIG. 2	
SCALE	PROJECT NO.	DATE			
NTS		MARCH 2010			

C-7241 2116139 2114392 2114391 2116136

JUL 16 2010



Measurements recorded in:  Metric  Imperial

**A 099972**

A099972

7528

Page 2 of 4

Well Owner's Information

First Name: \_\_\_\_\_ Last Name / Organization: **Center City Capital Limited** E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **1 Port St East Suite 301** Municipality: **Mississauga** Province: **ON** Postal Code: **L5G 4W1** Telephone No. (inc. area code): \_\_\_\_\_

Well Location

Address of Well Location (Street Number/Name): **91499 Lakeshore** Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

County/District/Municipality: \_\_\_\_\_ City/Town/Village: **Mississauga** Province: **Ontario** Postal Code: \_\_\_\_\_

UTM Coordinates: Zone **18** Easting **312614443** Northing **4823200** Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
<b>Brown</b>	<b>Sand</b>		<b>loose</b>	<b>0</b>	<b>8'</b>
<b>Grey</b>	<b>Silt</b>	<b>Sand</b>		<b>8'</b>	<b>15'</b>

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
0 - 1'	<b>Concrete</b>	
1' - 4'	<b>Benseal</b>	
4' - 15'	<b>Sand</b>	

Results of Well Yield Testing				
After test of well yield, water was:	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
<input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____				
If pumping discontinued, give reason:	Static Level			
	1		1	
Pump intake set at (m/ft)	2		2	
Pumping rate (l/min / GPM)	3		3	
	4		4	
Duration of pumping hrs + min	5		5	
Final water level end of pumping (m/ft)	10		10	
	15		15	
If flowing give rate (l/min / GPM)	20		20	
	25		25	
Recommended pump depth (m/ft)	30		30	
	40		40	
Recommended pump rate (l/min / GPM)	50		50	
	60		60	
Well production (l/min / GPM)				
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No				

Method of Construction		Well Use		
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole	<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input checked="" type="checkbox"/> Other, specify <b>Direct push</b>		<input type="checkbox"/> Other, specify _____		

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
			From	To	
<b>1.5"</b>	<b>Pvc</b>	<b>1/4"</b>	<b>0</b>	<b>5'</b>	<input checked="" type="checkbox"/> Test Hole
					<input type="checkbox"/> Water Supply
					<input type="checkbox"/> Replacement Well
					<input type="checkbox"/> Recharge Well
					<input type="checkbox"/> Dewatering Well
					<input type="checkbox"/> Observation and/or Monitoring Hole
					<input type="checkbox"/> Alteration (Construction)
					<input type="checkbox"/> Abandoned, Insufficient Supply
					<input type="checkbox"/> Abandoned, Poor Water Quality
					<input type="checkbox"/> Abandoned, other, specify _____
					<input type="checkbox"/> Other, specify _____

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
<b>1 3/4"</b>	<b>Pvc</b>	<b>10</b>	<b>5'</b>	<b>15'</b>

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft)	Diameter (cm/in)
		From	To
		<b>0</b>	<b>15'</b>
			<b>10.92</b>

**Map of Well Location**

Please provide a map below following instructions on the back.

See map mwtt2.

Comments: \_\_\_\_\_

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **Strata Soil Sampling** Well Contractor's Licence No.: **72411**

Business Address (Street Number/Name): **147-2 West Beaver Creek** Municipality: **Richmond Hill**

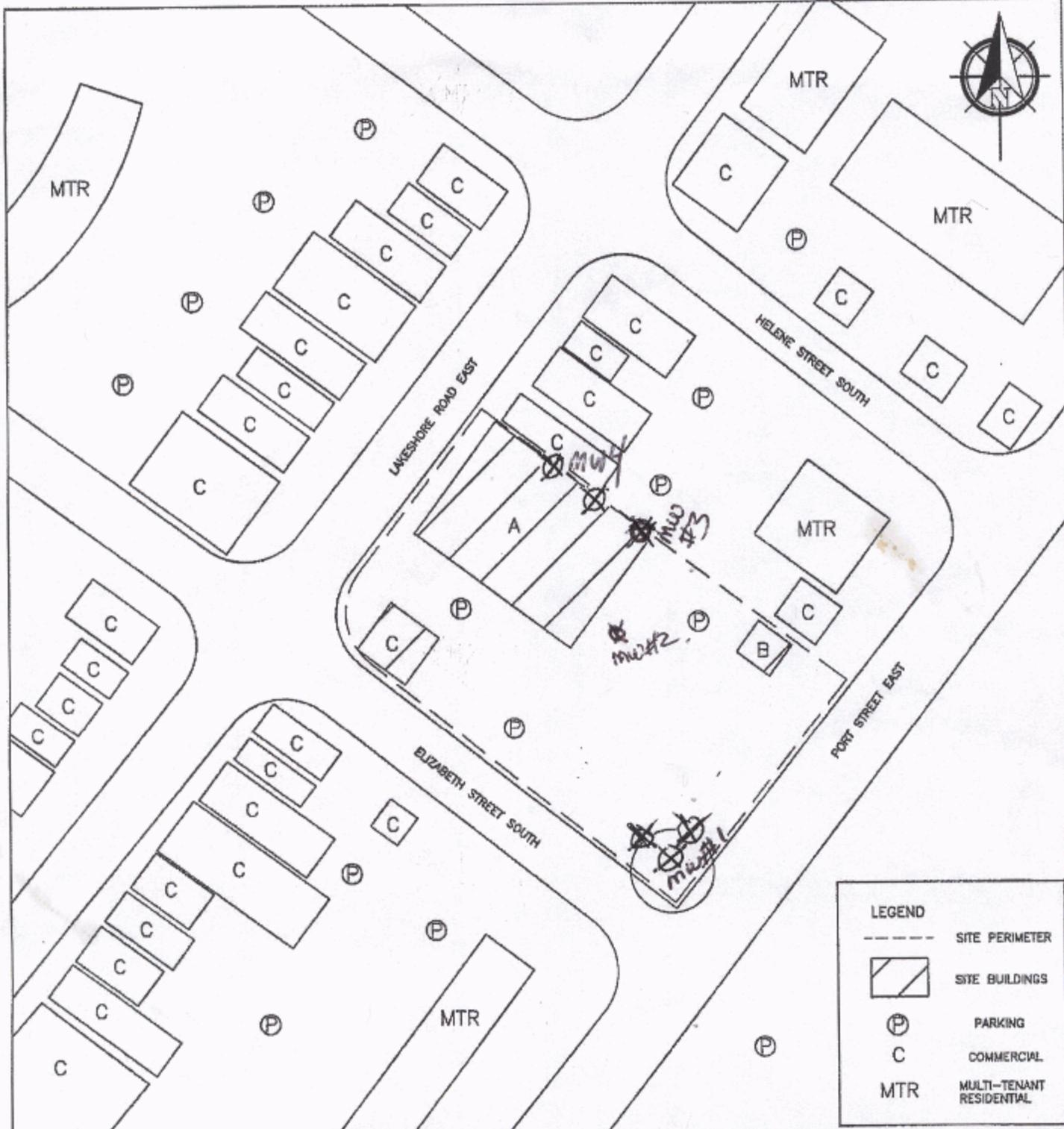
Province: **ON** Postal Code: **L4B 1K6** Business E-mail Address: **wrecords@stratasoil.com**

Bus. Telephone No. (inc. area code): **9057649304** Name of Well Technician (Last Name, First Name): **Mike**

Well Technician's Licence No.: **3448** Signature of Technician and/or Contractor: *[Signature]* Date Submitted: **20100626**

Well owner's information package delivered	Date Package Delivered	Ministry Use Only	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Y Y Y Y M M D D	Audit No. <b>z114392</b>	Received
	Date Work Completed	<b>JUL 16 2010</b>	

7528



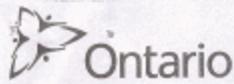
LEGEND	
	SITE PERIMETER
	SITE BUILDINGS
	PARKING
	COMMERCIAL
	MULTI-TENANT RESIDENTIAL



PROJECT NAME				PHASE I ENVIRONMENTAL SITE ASSESSMENT	
CLIENT NAME				CENTRE CITY CAPITAL LIMITED	
PROJECT LOCATION				99 LAKESHORE ROAD EAST MISSISSAUGA, ONTARIO	
DRAWING NAME				DRAWING NO.	
SITE AND SURROUNDING LAND USE PLAN				FIG. 2	
SCALE	PROJECT NO.	DATE			
NTS		MARCH 2010			

C-7241 2116139 2114392 2114391 2116136

JUL 16 2010



Measurements recorded in:  Metric  Imperial

**A 099909**

A099909

7528

Page 3 of 4

Well Owner's Information

First Name: \_\_\_\_\_ Last Name / Organization: **Center City Capital Limited** E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **Port St East Suite 301** Municipality: **Mississauga** Province: **ON** Postal Code: **L5G4N1** Telephone No. (inc. area code): \_\_\_\_\_

Well Location

Address of Well Location (Street Number/Name): **91299 Lakeshore** Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

County/District/Municipality: \_\_\_\_\_ City/Town/Village: \_\_\_\_\_ Province: **Ontario** Postal Code: \_\_\_\_\_

UTM Coordinates: Zone: **17** Easting: **614446** Northing: **33932** Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
<b>Brown</b>	<b>Sand</b>		<b>loose</b>	<b>0</b>	<b>8'</b>
<b>Grey</b>	<b>Soil</b>	<b>Sand.</b>	<b>loose</b>	<b>8'</b>	<b>15'</b>

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
0' - 1'	Concrete	
1' - 4'	Benseal	
4' - 15'	Sand.	

Method of Construction	Well Use
<input type="checkbox"/> Cable Tool <input type="checkbox"/> Diamond <input type="checkbox"/> Public <input type="checkbox"/> Commercial <input type="checkbox"/> Not used	<input type="checkbox"/> Domestic <input type="checkbox"/> Municipal <input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Jetting <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Test Hole <input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Irrigation <input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Rotary (Reverse) <input type="checkbox"/> Driving <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify _____	
<input type="checkbox"/> Boring <input type="checkbox"/> Digging <input checked="" type="checkbox"/> Other, specify <b>Direct push</b>	
<input type="checkbox"/> Air percussion	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
1.5"	Pvc	1/4"	0	5'	

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
1 3/4"	Pvc	10	5'	15'

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping _____ hrs + _____ min  Final water level end of pumping (m/ft)  If flowing give rate (l/min / GPM)  Recommended pump depth (m/ft)  Recommended pump rate (l/min / GPM)  Well production (l/min / GPM)  Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

**Map of Well Location**

Please provide a map below following instructions on the back.

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft)	Diameter (cm/in)
		From: 0 To: 15'	10.92"

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **Strata Soil Sampling Inc** Well Contractor's Licence No.: **72411**

Business Address (Street Number/Name): **147-2 West Beaver Creek** Municipality: **Richmond Hill**

Province: **ON** Postal Code: **L4B1K6** Business E-mail Address: **wrecords@stratasoil.com**

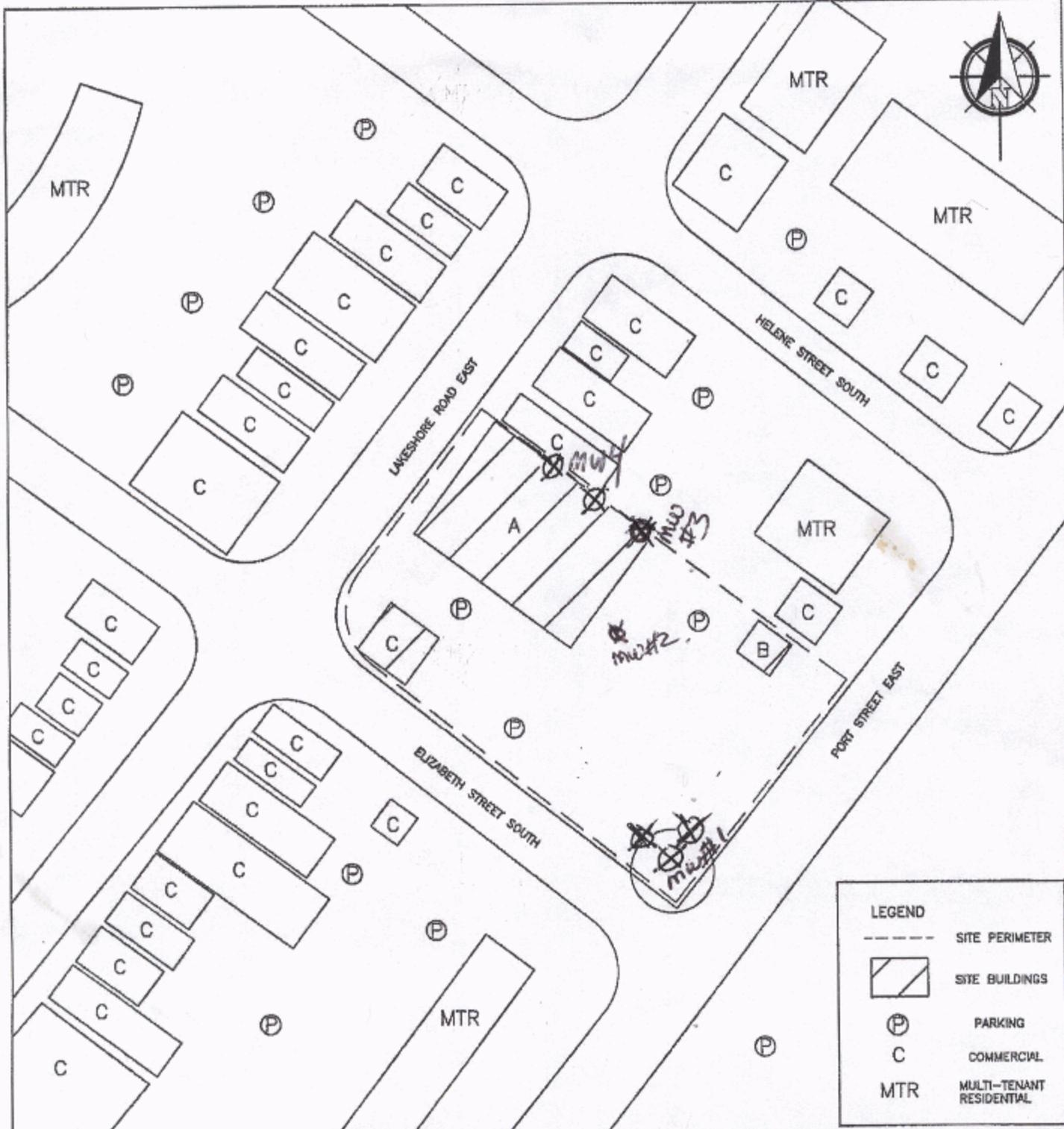
Bus. Telephone No. (inc. area code): **905-764-9304** Name of Well Technician (Last Name, First Name): **Mull, Mike**

Well Technician's Licence No.: **3448** Signature of Technician and/or Contractor: *[Signature]* Date Submitted: **20100626**

Comments: **See map mw #3.**

Well owner's information package delivered	Date Package Delivered	Ministry Use Only	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	YYMMDD <b>20100610</b>	Audit No.	<b>z114391</b>
	Date Work Completed	Received	<b>JUL 16 2010</b>

7528



LEGEND	
	SITE PERIMETER
	SITE BUILDINGS
	PARKING
	COMMERCIAL
	MULTI-TENANT RESIDENTIAL



PROJECT NAME				PHASE I ENVIRONMENTAL SITE ASSESSMENT	
CLIENT NAME				CENTRE CITY CAPITAL LIMITED	
PROJECT LOCATION				99 LAKESHORE ROAD EAST MISSISSAUGA, ONTARIO	
DRAWING NAME				DRAWING NO.	
SITE AND SURROUNDING LAND USE PLAN				FIG. 2	
SCALE	PROJECT NO.	DATE			
NTS		MARCH 2010			

C-7241 2116139 2114392 2114391 2116136

JUL 16 2010

Measurements recorded in:  Metric  Imperial

A099961 7528 Page 4 of 4

Well Owner's Information

First Name: \_\_\_\_\_ Last Name / Organization: **Center City Capital Limited** E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **1 Port St. East Suite 301** Municipality: **Mississauga** Province: **ONT** Postal Code: **L5E 6Y1** Telephone No. (inc. area code): \_\_\_\_\_

Well Location

Address of Well Location (Street Number/Name): **91 & 99 Lakeshore** Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

County/District/Municipality: \_\_\_\_\_ City/Town/Village: **Mississauga** Province: **Ontario** Postal Code: **W6K 0G5**

UTM Coordinates: Zone **17** Easting **614454** Northing **423301** Municipal Plan and Sublot Number: \_\_\_\_\_ Other: **A 0 - A 01**

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	Sand			0	8'
Brown	Silt	Sand		8	11'

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
0 - 1'	Concrete/Benzal	
1' - 4'	Benzal	
4' - 11'	SAND	

**Results of Well Yield Testing**

After test of well yield, water was:	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
<input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Static Level			
If pumping discontinued, give reason:	1		1	
Pump intake set at (m/ft)	2		2	
Pumping rate (l/min / GPM)	3		3	
Duration of pumping _____ hrs + _____ min	4		4	
Final water level end of pumping (m/ft)	5		5	
If flowing give rate (l/min / GPM)	10		10	
	15		15	
	20		20	
Recommended pump depth (m/ft)	25		25	
Recommended pump rate (l/min / GPM)	30		30	
Well production (l/min / GPM)	40		40	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	50		50	
	60		60	

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Direct Push  Industrial  
 Other, specify \_\_\_\_\_  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
1.25	PVC	.25	0	6'	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
1.5"	PVC	10	6'	11'

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____

Well Contractor and Well Technician Information

Business Name of Well Contractor: **Strata Soil Sampling Inc.** Well Contractor's Licence No.: **7241**

Business Address (Street Number/Name): **147-2 West Beaver Creek Road** Municipality: **Richmond Hill**

Province: **Ontario** Postal Code: **L4B 1C6** Business E-mail Address: **wrecords@stratasoil.com**

**Map of Well Location**

Please provide a map below following instructions on the back.

See Map MW 4

General contractor: **Pinchin Environmental**

Bus. Telephone No. (inc. area code): **905-764-9304** Name of Well Technician (Last Name, First Name): **Mudd Mike**

Well Technician's Licence No.: **3448** Signature of Technician and/or Contractor: *[Signature]* Date Submitted: **20100626**

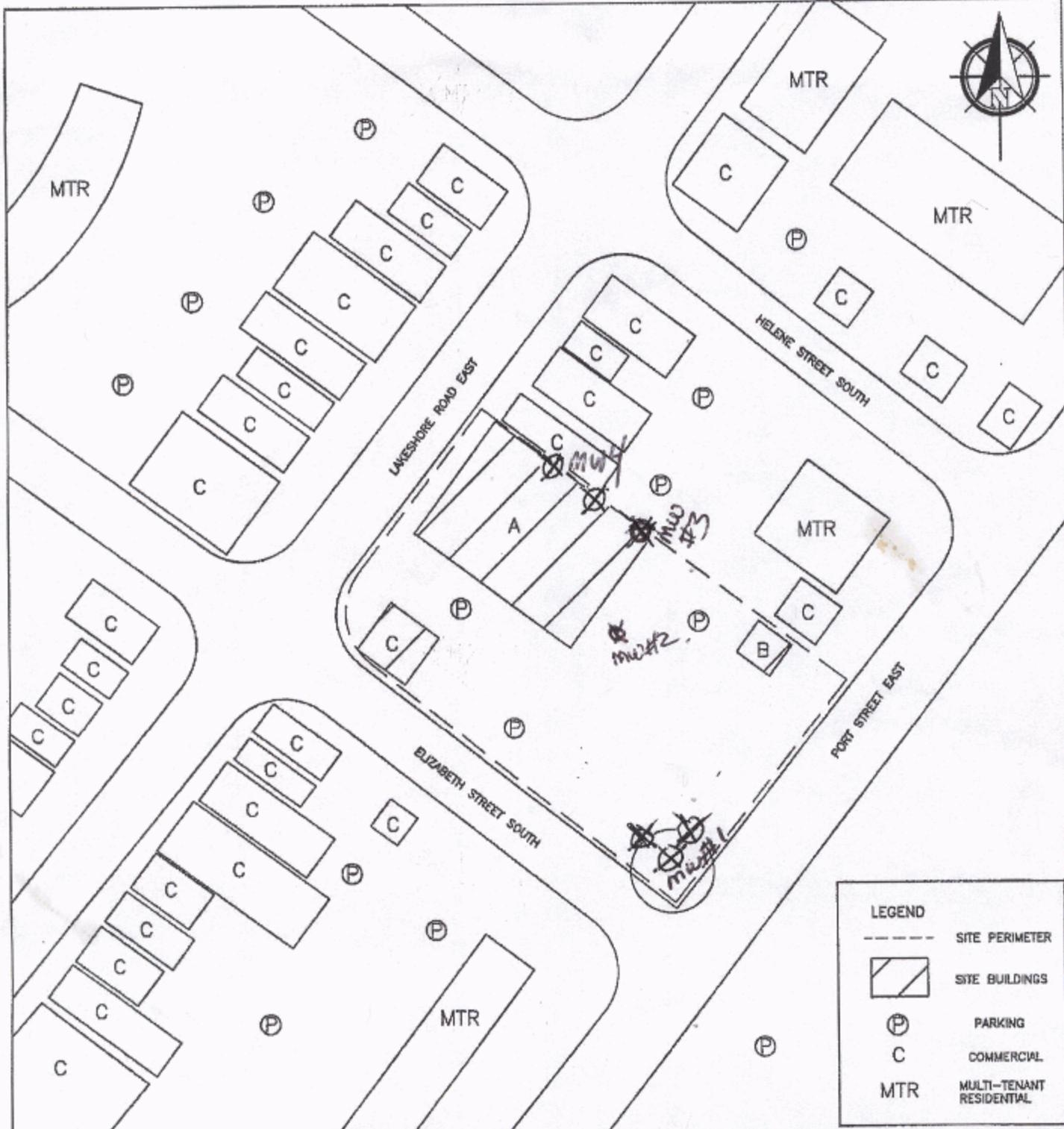
Well owner's information package delivered:  Yes  No

Date Package Delivered: **20100610**

Date Work Completed: **20100610**

Ministry Use Only: Audit No. **z116136** Received **JUL 18 2010**

7528



LEGEND	
	SITE PERIMETER
	SITE BUILDINGS
	PARKING
	COMMERCIAL
	MULTI-TENANT RESIDENTIAL



PROJECT NAME				PHASE I ENVIRONMENTAL SITE ASSESSMENT	
CLIENT NAME				CENTRE CITY CAPITAL LIMITED	
PROJECT LOCATION				99 LAKESHORE ROAD EAST MISSISSAUGA, ONTARIO	
DRAWING NAME				DRAWING NO.	
SITE AND SURROUNDING LAND USE PLAN				FIG. 2	
SCALE	PROJECT NO.	DATE			
NTS		MARCH 2010			

C-7241 2116139 2114392 2114391 2116136

JUL 16 2010



Ministry of the Environment

Well Tag No. for Master Well (Place Sticker and/or Print Below)

A 100950

Terreplex 100761 July 22/10

Master Well Record for Cluster Well Construction

Regulation 903 Ontario Water Resources Act Page 1 of 2

Master Well Owner's and Land Owner's Information

First Name: Pioneer Petroleum, Last Name: , E-mail Address: , Mailing Address: 1122 International Blvd, Municipality: Burlington, Province: On, Postal Code: L7L6Z8, Telephone No.: 905-320-4493

Location and Construction of the Master Well in the Cluster

Address of Well Location: 150 Lakeshore Blvd East, Township: Mississauga, Lot: , Concession: , City/Town/Village: Mississauga, Province: Ontario, Postal Code: L5G1E9

UTM Coordinates: NAD 83, Zone 17, Easting 614504, Northing 4823603, GPS Unit Make: Magellan, Model: Explorer, Mode of Operation: Averaged

Overburden and Bedrock Materials (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (Metres) From, To. Rows include Brown silt/clay/gravel and Gray silt/clay/gravel.

Hole Details

Table with columns: Depth (Metres) From, To, Diameter (Centimetres). Row: 0 to 5.5 metres, 5.1 cm diameter.

Water Use

Water Use checkboxes: Public, Industrial, Not used, Other, Domestic, Commercial, Dewatering, Livestock, Municipal, Monitoring, Irrigation, Test Hole, Cooling & Air Conditioning.

Method of Construction

Method of Construction checkboxes: Cable Tool, Air Percussion, Digging, Rotary (Conventional), Diamond, Boring, Rotary (Reverse), Jetting, Other, Rotary (Air), Driving.

Status of Well

Status of Well checkboxes: Test Hole, Abandoned, Insufficient Supply, Replacement Well, Abandoned, Poor Water Quality, Dewatering Well, Other, Alteration (Construction), Abandoned, other.

No Casing and Screen Used / Static Water Level Test

No Casing and Screen Used: Yes, No. Static Water Level Test: N/A Metres.

Screen

Screen checkboxes: Galvanized, Steel, Fibreglass, Concrete, Plastic. Outside Diameter: 6.4, Slot No: 20.

Construction Details

Table with columns: Inside Diameter (Centimetres), Material, Wall Thickness, Depth (Metres) From, To. Rows: 5.1 Plastic Riser, 5.1 Plastic screen.

Water Details

Water Details checkboxes: Water found at Depth, Kind of Water (Gas, Fresh, Salty, Sulphur, Minerals).

Annular Space/Abandonment Sealing Record

Table with columns: Depth Set at (Metres) From, To, Type of Sealant Used, Volume Used (Cubic Metres). Rows: 0-0.3 Concrete, 0.3-2.1 Bentonite Chips.

Disinfected

Disinfected checkboxes: Yes, No. Date Master Well Completed: 2010/07/23.

Cluster Information

Cluster Information: Total Wells in Cluster: 3, Total Wells on this Property: 3, Number of Cluster Well Information Log Sheets Submitted: 1.

Location of Well Cluster

Location of Well Cluster: Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14").

Consent to release additional information concerning the cluster to the Director upon request

Consent to release additional information: Signature of Technician/Contractor: Juward, Date: 2010/07/23.

Master Well Owner's/Land Owner's consent to use Cluster Form

Master Well Owner's/Land Owner's consent to use Cluster Form: Signature, Date.

Well Contractor and Well Technician Information

Well Contractor and Well Technician Information: Business Name: Geo-Environmental, Licence No: 6607, Business Address: 340 Market St, Municipality: Milton, Province: Ont, Postal Code: L9T5H4, Business E-mail Address: , Bus. Telephone No.: 905-876-3388, Name of Well Technician: Ward Jeremy, Well Technician's Licence No.: 3108, Signature: Juward, Date Submitted: 2010/07/23.

Ministry Use Only

Ministry Use Only: Audit No.: M 07281, Well Contractor No.: , Date Received: DEC 08 2010, Date of Inspection: , Remarks: .

A100950

**Property Owner's Information**

First Name: Pioneer Petroleum  
 Last Name: C/O Bob Reid  
 Mailing Address (Street No./Name, RR): 1122 International Blvd Suite 700  
 Municipality: Burlington  
 Province: Ontario  
 Postal Code: L7L6Z8  
 E-mail Address: BobR@Pioneer.ca  
 Telephone No. (inc. area code): 9053204493

**Cluster Well Information**

Address of Well Location (Street Number/Name, RR): 150 Lakeshore Blvd East  
 City/Town/Village: Mississauga  
 Province: Ontario  
 Postal Code: L5G1E9  
 Lot: [blank]  
 Concession: [blank]  
 Township: [blank]  
 County/District/Municipality: [blank]  
 GPS Unit Make: Magellan  
 Model: Explorer 100  
 Unit Mode of Operation:  Averaged  
 Undifferentiated  
 Differentiated, specify: [blank]

**Open Request**

Signature of Technician/Contractor: *Julard*  
 Date (yyyy/mm/dd): 2010/07/23

Well # on Sketch	UTM Coordinates		Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres)		Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
	Zone	Easting						Northing	From					
	<del>176161</del>		<del>4848</del>											
	<del>1761</del>		<del>48</del>											
mw102	17614510	4823613	4.9		Boring	Plastic	1.9	1.9	4.9	Bentonite chips	N/A			July 23/10
mw103	17614519	4823619	5.5		Boring	Plastic	2.5	2.5	5.5	Bentonite chips	N/A			July 23/10

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Geo-Environmental  
 Business Address (Street Number/Name, RR): 340 Market St.  
 Municipality: Milton  
 Province: ONT  
 Postal Code: L9T5A4  
 Business Telephone No. (inc. area code): 9058763388  
 Well Contractor's Licence No.: 6607  
 Business E-mail Address: [blank]  
 Name of Well Technician (First Name, Last Name): Jeremy Ward  
 Well Technician's Licence No.: 3108  
 Date Submitted (yyyy/mm/dd): July 23/10  
 Signature of Technician: *Julard*

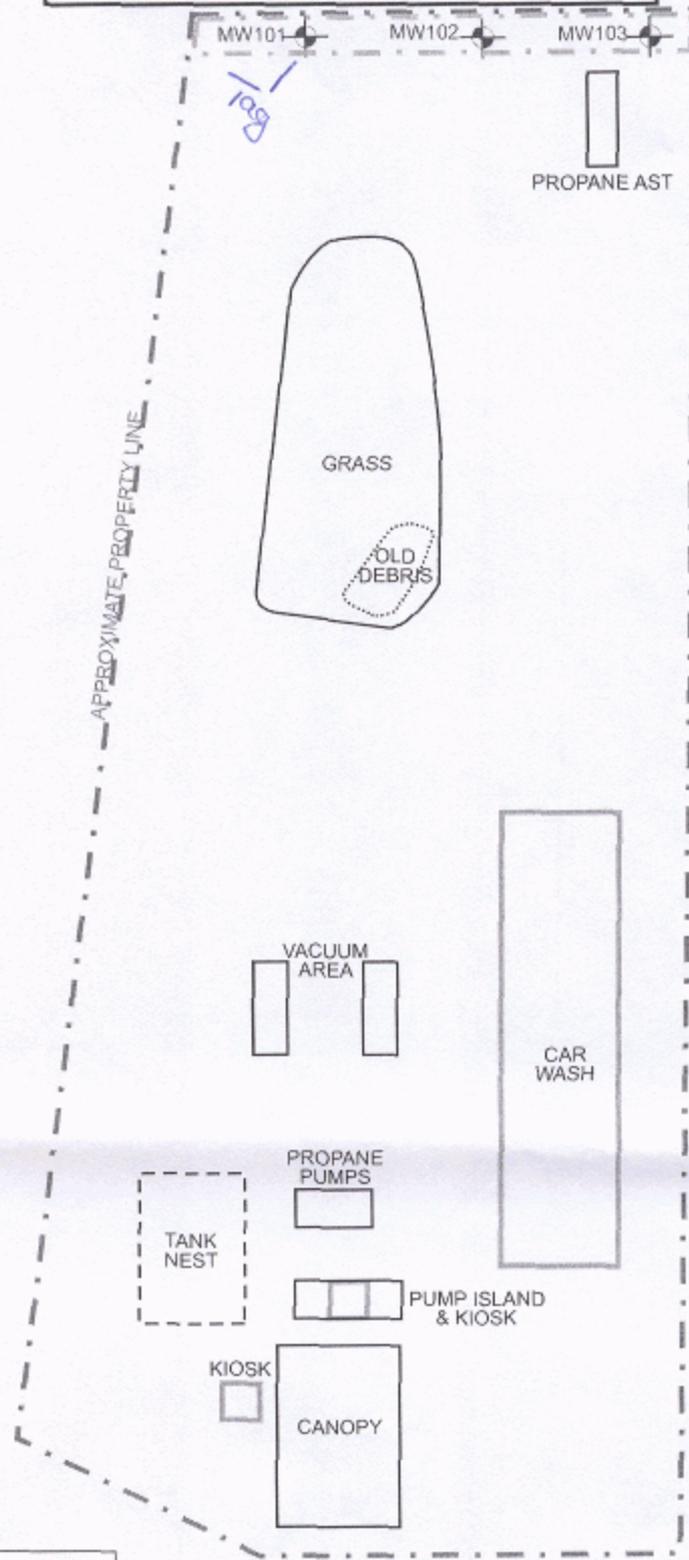
Date 1st Well in Cluster Constructed (yyyy/mm/dd): July 23/10  
 Date Last Well in Cluster Constructed (yyyy/mm/dd): July 23/10

**Ministry Use Only**

Date Received (yyyy/mm/dd): DEC 08 2010  
 Date Inspected (yyyy/mm/dd): [blank]  
 Audit No.: C 12104  
 Remarks: *m0782*

# GENERAL SITE LAYOUT

150 LAKESHORE ROAD EAST  
MISSISSAUGA, ONTARIO

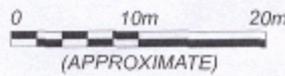


*Handwritten:*  
C6607  
m0281  
G12104

**LEGEND**

- PROPERTY TO BE TRANSFERRED TO CITY OF MISSISSAUGA
- AST ABOVEGROUND STORAGE TANK
- MONITORING WELL

LAKESHORE ROAD EAST



(APPROXIMATE)  
NOTE: CREATED FROM GOOGLE EARTH IMAGE  
AND SITE PLAN PROVIDED BY CLIENT

PROJECT #	CB460.00
SCALE	AS SHOWN
DATE	SEPTEMBER 2010
DRAWN	PBR
CHECKED	DRAFT
DRAWING #	<b>FIGURE 2</b>

DEC 08 2010



Measurements recorded in:  Metric  Imperial

A 094130 A094139

8077 Page 1 of 3

Well Location

Address of Well Location (Street Number/Name) 103 Lakeshore Road East
Township
Lot
Concession
County/District/Municipality
City/Town/Village Mississauga
Province Ontario
Postal Code
UTM Coordinates Zone Easting Northing
Municipal Plan and Sublot Number
Other WKQ-003329
A 0 - A 02

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Handwritten entries include Clay, Sand, Silt/Gravel, Gravel, Soft.

Annular Space table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³). Handwritten entries include Sand, Benseal, Concrete.

Method of Construction and Well Use table. Includes checkboxes for Cable Tool, Rotary, Boring, etc., and Public, Commercial, etc. Handwritten entry: Direct Push.

Construction Record - Casing table. Columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To. Handwritten entry: 1.25 PVC, 2 0.

Construction Record - Screen table. Columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To. Handwritten entry: 1.5 PVC, 10 6 2.

Water Details and Hole Diameter table. Includes fields for Water found at Depth, Kind of Water, and Hole Diameter (Depth and Diameter). Handwritten entry: 0' 6' 3.25".

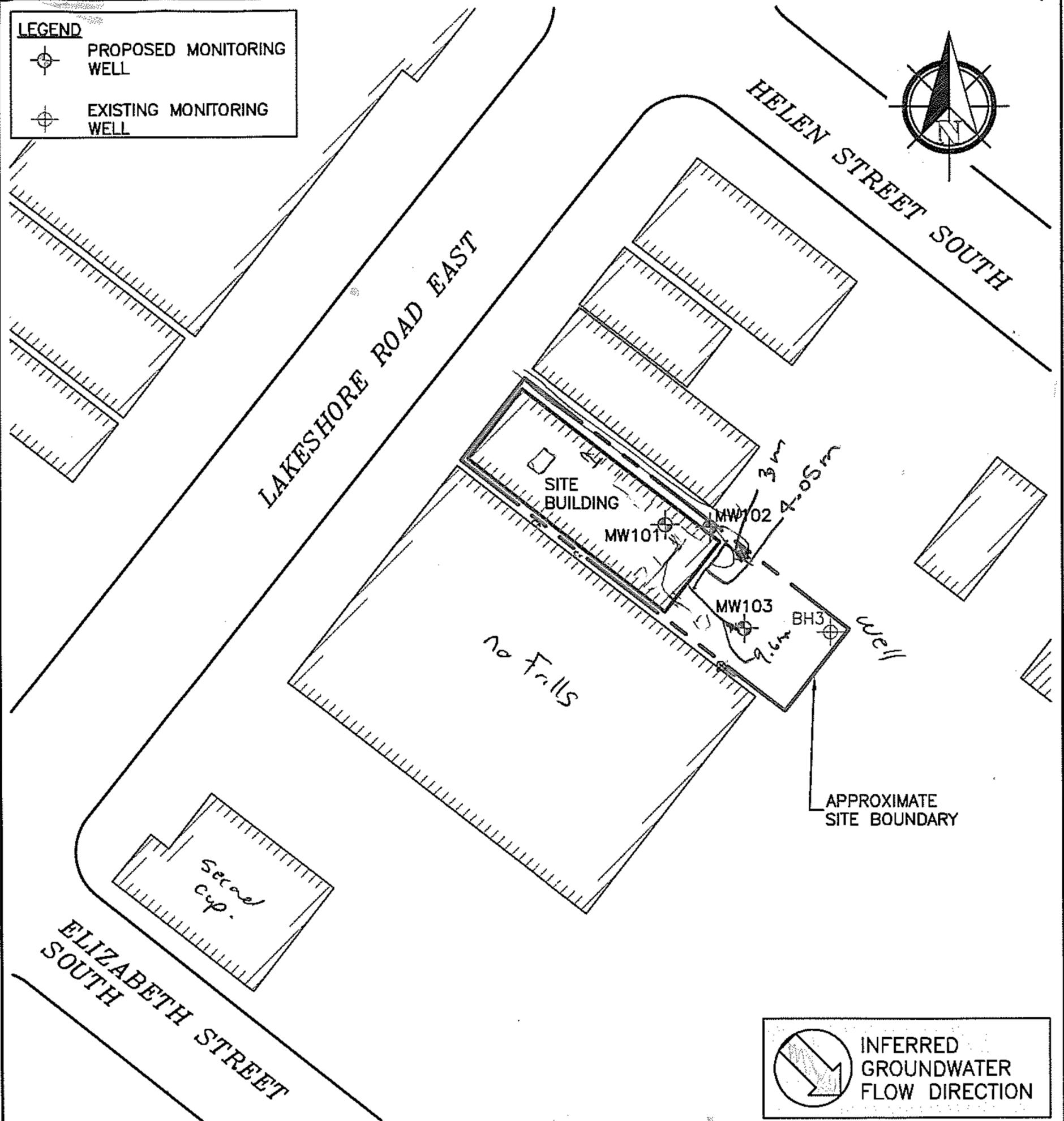
Well Contractor and Well Technician Information. Business Name: Strata Soil Sampling Inc. Well Contractor's Licence No: 7241. Well Technician: Murt Mike. Date Submitted: 2010/12/30.

Results of Well Yield Testing table. Columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Includes fields for Pump intake, Pumping rate, Duration of pumping, Final water level, etc.

Map of Well Location. Includes a large handwritten note: 'See map MW 101'. Comments: General contractor: Pinchin Environmental.



8:00  
8077



**PINCHIN**  
ENVIRONMENTAL

*CTAM*

PROJECT NAME PHASE II ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME REMAX REALTY ENTERPRISES INC.			
PROJECT LOCATION 103 LAKESHORE ROAD EAST, MISSISSAUGA, ONTARIO			
FIGURE NAME PROPOSED MONITORING WELL LOCATION PLAN			FIGURE NO. 1
APPROXIMATE SCALE AS SHOWN	PROJECT NO. 62798	DATE NOV. 2010	

2126402, 2126403, 2126401

JAN 14 2011



Measurements recorded in:  Metric  Imperial

A 094140

A094140

**Well Location**

Address of Well Location (Street Number/Name): 103 Lakeshore Road East  
 Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

County/District/Municipality: \_\_\_\_\_ City/Town/Village: Mississauga  
 Province: Ontario Postal Code: \_\_\_\_\_

UTM Coordinates Zone Easting Northing: NAD 83 1761144594823240  
 Municipal Plan and Sublot Number: \_\_\_\_\_ Other: WKQ-003329  
 A 0 - A 02

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	Clay	Silt/Gravel	Soft	0	2
Brown	Sand	Gravel	Soft	2	16
Brown	Sand		Dense	16	18

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
0 - 7	Sand	
7 - 1	Benseal	
1 - 0	Concrete	

**Results of Well Yield Testing**

After test of well yield, water was:  
 Clear and sand free  
 Other, specify \_\_\_\_\_

If pumping discontinued, give reason:  
 \_\_\_\_\_

Pump intake set at (m/ft): \_\_\_\_\_

Pumping rate (l/min / GPM): \_\_\_\_\_

Duration of pumping: \_\_\_\_\_ hrs + \_\_\_\_\_ min

Final water level end of pumping (m/ft): \_\_\_\_\_

If flowing give rate (l/min / GPM): \_\_\_\_\_

Recommended pump depth (m/ft): \_\_\_\_\_

Recommended pump rate (l/min / GPM): \_\_\_\_\_

Well production (l/min / GPM): \_\_\_\_\_

Disinfected?  Yes  No

Static Level	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify Direct Push  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
.75	PVC		0	8	<input checked="" type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		Status of Well
			From	To	
1	PVC	10	8	18	<input type="checkbox"/> Other, specify _____

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0' - 18'	3.25"

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata Soil Sampling Inc.  
 Well Contractor's Licence No.: 17 21 4 1

Business Address (Street Number/Name): 147-2 West Beaver Creek Road  
 Municipality: Richmond Hill

Province: Ontario Postal Code: L4B 1G6 Business E-mail Address: wrecords@stratasoil.com

**Map of Well Location**

Please provide a map below following instructions on the back.

See map MW103

Comments: General contractor: Pinchin Environmental

Bus. Telephone No. (inc. area code): 905-764-9304  
 Name of Well Technician (Last Name, First Name): Mike Muir  
 Well Technician's Licence No.: 3448  
 Signature of Technician and/or Contractor: *Mike Muir*  
 Date Submitted: 2010/12/30

**Ministry Use Only**

Audit No.: z126423  
 Date Work Completed: 2010/12/30  
 Received: JAN 14 2011



A 093952 A 093952

Measurements recorded in:  Metric  Imperial

Well Location

Address of Well Location (Street Number/Name) 103 Lakeshore Road East
Township
Lot
Concession
County/District/Municipality
City/Town/Village
Province Ontario
Postal Code
UTM Coordinates
Zone Easting Northing
Municipal Plan and Sublot Number
Other WKQ-003329

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Includes handwritten entries for Brown, Silt, Sand, Clay, Grede, Silty, and Depth 0-6, 6-12.

Annular Space table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³). Includes handwritten entries for Sand, Benseal, and Concrete.

Method of Construction and Well Use section with checkboxes for Cable Tool, Rotary, Boring, Air percussion, Diamond, Jetting, Driving, Digging, Public, Commercial, Not used, Domestic, Municipal, Dewatering, Livestock, Test Hole, Monitoring, Irrigation, Cooling & Air Conditioning, Industrial, and Other.

Construction Record - Casing table with columns: Inside Diameter (cm/ft), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To. Includes handwritten entry for .75 PUC, 0 to 4.

Construction Record - Screen table with columns: Outside Diameter (cm/ft), Material, Slot No., Depth (m/ft) From, To. Includes handwritten entry for 1 PVC, 10, 4 to 12.

Water Details and Hole Diameter section with checkboxes for Gas, Fresh, Untested, and columns for Depth (m/ft) From, To and Diameter (cm/in).

Well Contractor and Well Technician Information section with fields for Business Name, Address, Province, Postal Code, Business E-mail Address, Name of Well Technician, Signature, Date Submitted.

Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Includes handwritten entries for pumping rate, duration, and static level.

Map of Well Location section with text: Please provide a map below following instructions on the back. Includes handwritten note: see map m with a2.

Comments, Ministry Use Only, and Well owner's information package delivered section with checkboxes for Yes/No and fields for Date Package Delivered, Date Work Completed, Audit No., and Receipt Date.

A100950 Abandon

Master Well Owner's and Land Owner's Information

First Name: Pioneer Petroleum Management Inc  
Last Name: Pioneer Petroleum Management Inc  
E-mail Address: [blank]  
Mailing Address (Street Number/Name, RR): 1122 International Blvd Suite 700 Burlington On.  
Municipality: Burlington  
Province: On.  
Postal Code: L7L 6Z8  
Telephone No. (inc. area code): 905 633 3425

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR): 150 LAKESHORE RD  
Township: [blank]  
Lot: [blank]  
Concession: [blank]  
County/District/Municipality: [blank]  
City/Town/Village: MISSISSAUGA  
Province: Ontario  
Postal Code: L5G 1E9  
UTM Coordinates: NAD 83 17G 145164823601  
Zone: Easting: 17G 145164823601  
Northing: 17G 145164823601  
GPS Unit Make: magellan  
Model: sportrakk  
Mode of Operation:  Undifferentiated  Averaged  
 Differentiated, specify

Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
mw 101					
ABANDON					

Hole Details

Depth (Metres) From	Depth (Metres) To	Diameter (Centimetres)
0	5.4	15cm

Water Use

Public  Industrial  Not used  Other, specify  
 Domestic  Commercial  Dewatering  
 Livestock  Municipal  Monitoring  
 Irrigation  Test Hole  Cooling & Air Conditioning

Method of Construction

Cable Tool  Air Percussion  Digging  
 Rotary (Conventional)  Diamond  Boring  
 Rotary (Reverse)  Jetting  Other, specify  
 Rotary (Air)  Driving

Status of Well

Test Hole  Abandoned, Insufficient Supply  
 Replacement Well  Abandoned, Poor Water Quality  
 Dewatering Well  Other, specify  
 Alteration (Construction)  Abandoned, other, specify NOT IN USE

No Casing and Screen Used

Open Hole  Yes  No  
 Static Water Level Test: [ ] Metres

Screen

Galvanized  Steel  Fibreglass  Concrete  Plastic  
 Outside Diameter (Centimetres): [ ] Slot No.: [ ]

Water Details

Water found at Depth: [ ] Metres  Gas  Fresh  Salty  Sulphur  Minerals  
 Water found at Depth: [ ] Metres  Gas  Fresh  Salty  Sulphur  Minerals  
 Water found at Depth: [ ] Metres  Gas  Fresh  Salty  Sulphur  Minerals

Disinfected

Disinfected  Yes  No If no, provide reason: [ ] Date Master Well Completed (yyyy/mm/dd): [ ]

Cluster Information (Please also fill out the additional Cluster Well Information for Well Construction for each parcel of land and cluster.)

Total Wells in Cluster: 3  
 Total Wells on this Property: 3  
 Please indicate Number of Cluster Well Information Log Sheets Submitted: 1

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.  
 Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to the Director upon request

Signature of Technician/Contractor: Paquette  
 Date (yyyy/mm/dd): 2011/02/14  
 Master Well Owner's/Land Owner's consent to use Cluster Form  
 Signature: [ ] Date (yyyy/mm/dd): [ ]

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres) From	Depth (Metres) To

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	Depth Set at (Metres) To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0	0.15	concrete	
0.15	5.4	Bentonite	

Well Contractor and Well Technician Information

Business Name of Well Contractor: Geo-Environmental  
 Well Contractor's Licence No.: 6607  
 Business Address (Street No./Name, number, RR): 340 Market St.  
 Municipality: Milton  
 Province: Ont  
 Postal Code: L9T 5A4  
 Business E-mail Address: [ ]  
 Bus. Telephone No. (inc. area code): 905 876 3388  
 Name of Well Technician (Last Name, First Name): PAQUETTE JEFF  
 Well Technician's Licence No.: 2386  
 Signature of Technician: Paquette  
 Date Submitted (yyyy/mm/dd): 2011/02/14

Ministry Use Only

Audit No.: M 08435  
 Well Contractor No.: [ ]  
 Date Received (yyyy/mm/dd): APR 14 2011  
 Date of Inspection (yyyy/mm/dd): [ ]  
 Remarks: [ ]

Well Tag No. for Master Well (Print Well Tag No.)

A100950 Abandon

**Cluster Well Information for Cluster Well Construction**

Regulation 903 Ontario Water Resources Act

Page 2 of 2

Property Owner's Information			
First Name <i>Pioneer Petroleum Management Inc</i>	Last Name	Mailing Address (Street No./Name, RR) <i>1122 International Blvd. Ste 700 Burlington</i>	Municipality <i>Burlington</i>
Province <i>On.</i>	Postal Code <i>L7L 6Z8</i>	E-mail Address	Telephone No. (inc. area code) <i>905 633 3425</i>

Consent	
Property Owner's Consent to use cluster form	
Signature	Date (yyyy/mm/dd)
Consent to release additional information to the Director upon request	
Signature of Technician/Contractor <i>Paquette</i>	Date (yyyy/mm/dd) <i>2011/02/14</i>

Cluster Well Information									
Address of Well Location (Street Number/Name, RR) <i>150 LAKE SHORE RD</i>				Lot	Concession	Township	County/District/Municipality		
City/Town/Village <i>MISSISSAUGA</i>	Province <i>Ontario</i>	Postal Code <i>L5G 1E9</i>	GPS Unit Make <i>magellan</i>	Model <i>sportrak</i>	Unit Mode of Operation <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged				

Well # on Sketch	UTM Coordinates		Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres)		Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
	Zone	Easting						Northing	From					
<i>mw 102</i>	<i>17</i>	<i>614521</i>	<i>4823606</i>	<i>5.4</i>	<i>15cm</i>	<i>ABANDONED Boring</i>				<i>Bentonite</i>		<i>Bentonite</i>		
<i>mw 103</i>	<i>17</i>	<i>614530</i>	<i>4823610</i>	<i>4.8</i>	<i>15cm</i>	<i>ABANDONED Boring</i>						<i>Bentonite</i>		

Well Contractor and Well Technician Information					
Business Name of Well Contractor <i>Geo-Environmental</i>		Business Address (Street Number/Name, RR) <i>340 Market St.</i>		Municipality <i>Milton</i>	Province <i>Ont</i>
Postal Code <i>L9T 5A4</i>	Business Telephone No. (inc. area code) <i>905 876 3388</i>	Well Contractor's Licence No. <i>6607</i>	Business E-mail Address		
Name of Well Technician (First Name, Last Name) <i>JEFF PAQUETTE</i>		Well Technician's Licence No. <i>2386</i>	Date Submitted (yyyy/mm/dd) <i>2011/02/14</i>	Signature of Technician <i>Paquette</i>	

Date 1st Well in Cluster Constructed (yyyy/mm/dd) <i>2011/02/14</i>	Date Last Well in Cluster Constructed (yyyy/mm/dd) <i>2011/02/14</i>
Ministry Use Only	
Date Received (yyyy/mm/dd) <i>APR 14 2011</i>	Date Inspected (yyyy/mm/dd)
Audit No. <b>C 13441</b>	Remarks <i>M08435</i>

# GENERAL SITE LAYOUT

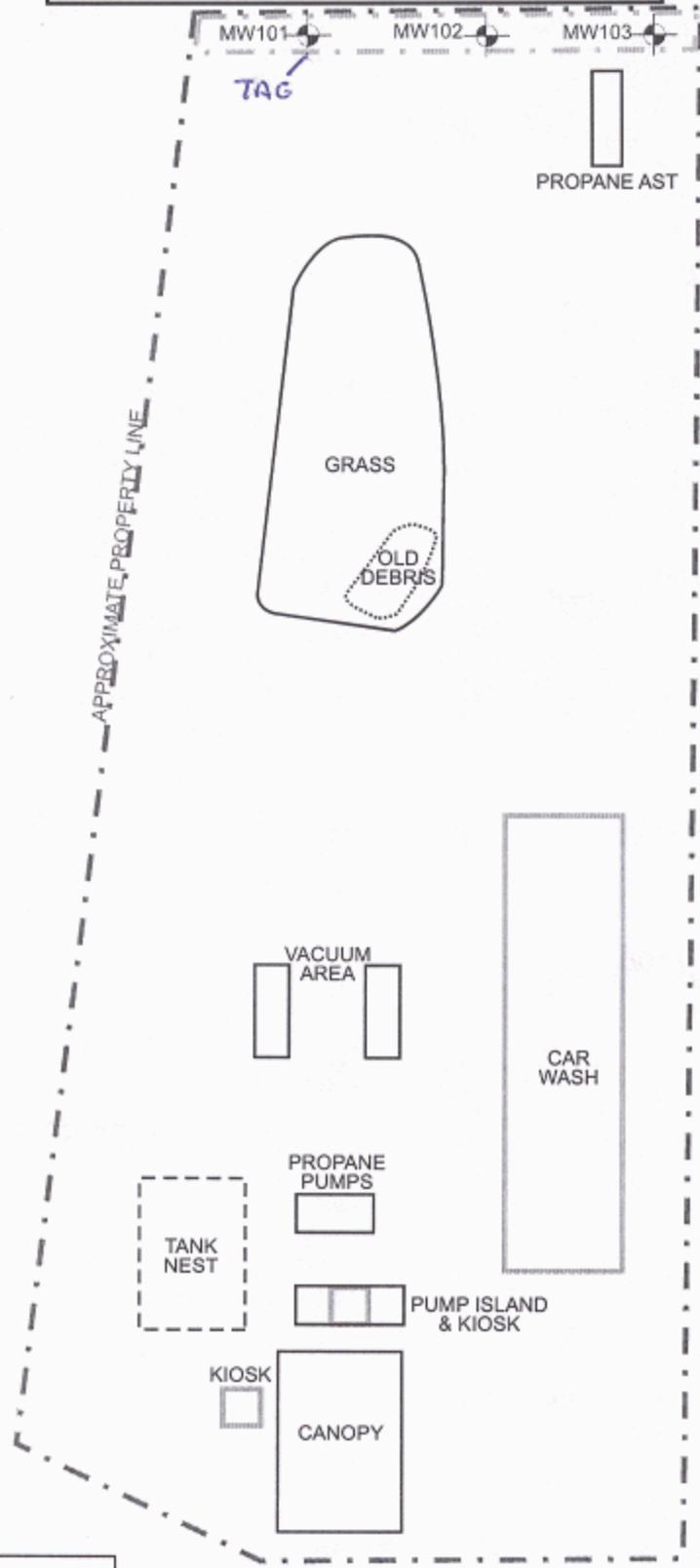
150 LAKESHORE ROAD EAST  
MISSISSAUGA, ONTARIO

CLIENT



**PIONEER PETROLEUMS  
MANAGEMENT INC.**

DISCUSSION NORTH  
TRUE NORTH



C-6607  
M08435  
C13441

**LEGEND**

- PROPERTY TO BE TRANSFERRED TO CITY OF MISSISSAUGA
- AST ABOVEGROUND STORAGE TANK
- MONITORING WELL

LAKESHORE ROAD EAST



NOTE: CREATED FROM GOOGLE EARTH IMAGE  
AND SITE PLAN PROVIDED BY CLIENT

PROJECT #	CB460.00
SCALE	AS SHOWN
DATE	SEPTEMBER 2010
DRAWN	PBR
CHECKED	PJS
DRAWING #	<b>FIGURE 2</b>

APR 14 2011

Master Well Owner's and Land Owner's Information

First Name: **Pioneer Petroleum Management INC** Last Name: E-mail Address:   
 Mailing Address (Street Number/Name, RR): **1122 International Blvd. Suite 700 Burlington, On.** Municipality: **Mississauga** Province: **Ontario** Postal Code: **L7L 4G2** Telephone No. (inc. area code): **905 633 3425**

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR): **150 Lakeshore rd East** Township: City/Town/Village: **Mississauga** Province: **Ontario** Postal Code: **L5G 1E9**   
 County/District/Municipality: UTM Coordinates: Zone: **17** Easting: **614591** Northing: **4823542** GPS Unit Make: **Magellan** Model: **Explorer 100** Mode of Operation:  Averaged  Differentiated, specify

Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
Brown	Silt	Sand	Stiff	0	2
Grey	Silt	Clay	Hard	2	4.8
Grey	Shale	Limestone	Bedrock	4.8	6.1

Hole Details

Depth (Metres) From	Depth (Metres) To	Diameter (Centimetres)
0	6.1	15

Water Use

Public  Industrial  Not used  Other, specify   
 Domestic  Commercial  Dewatering   
 Livestock  Municipal  Monitoring   
 Irrigation  Test Hole  Cooling & Air Conditioning

Method of Construction

Cable Tool  Air Percussion  Digging   
 Rotary (Conventional)  Diamond  Boring   
 Rotary (Reverse)  Jetting  Other, specify   
 Rotary (Air)  Driving

Status of Well

Test Hole  Abandoned, Insufficient Supply   
 Replacement Well  Abandoned, Poor Water Quality   
 Dewatering Well  Other, specify   
 Alteration (Construction)  Abandoned, other, specify

No Casing and Screen Used / Static Water Level Test

Open Hole  Yes  No **N/A** Metres

Screen

Galvanized  Steel  Fibreglass  Concrete  Plastic   
 Outside Diameter (Centimetres): **6.4** Slot No.: **10**

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres) From	Depth (Metres) To
5.1	Plastic riser	.65	0	3
5.1	Plastic screen	.65	3	6.1

Water Details

Water found at Depth: **N/A** Metres  Gas  Fresh  Salty  Sulphur  Minerals   
 Water found at Depth: Metres  Gas  Fresh  Salty  Sulphur  Minerals   
 Water found at Depth: Metres  Gas  Fresh  Salty  Sulphur  Minerals

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	Depth Set at (Metres) To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0	0.3	Concrete	
0.3	2.7	Bentonite Chips	

Disinfected  Yes  No If no, provide reason: Date Master Well Completed (yyyy/mm/dd)

**Not For drinking** **2011/03**

Cluster Information (Please also fill out the additional Cluster Well Information for Well Construction for each parcel of land and cluster.)

Total Wells in Cluster: **2** Please indicate Number of Cluster Well Information Log Sheets Submitted: **1**   
 Total Wells on this Property: **2**

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.   
 Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to the Director upon request

Signature of Technician/Contractor: **J. Glubard** Date (yyyy/mm/dd): **2011/03/15**

Well Contractor and Well Technician Information

Business Name of Well Contractor: **Geo-Environmental** Well Contractor's Licence No.: **6607**   
 Business Address (Street No./Name, number, RR): **340 Market St.** Municipality: **Mississauga**   
 Province: **Ont** Postal Code: **L4Y 1S4** Business E-mail Address:   
 Bus. Telephone No. (inc. area code): **905 876 3388** Name of Well Technician (Last Name, First Name): **Ward Jeremy**   
 Well Technician's Licence No.: **3108** Signature of Technician: **glubard** Date Submitted (yyyy/mm/dd): **2011/03/15**

Master Well Owner's/Land Owner's consent to use Cluster Form

Signature: **J** Date (yyyy/mm/dd):

Ministry Use Only

Audit No.: **M 08457** Well Contractor No.:   
 Date Received (yyyy/mm/dd): **MAY 05 2011** Date of Inspection (yyyy/mm/dd):   
 Remarks:

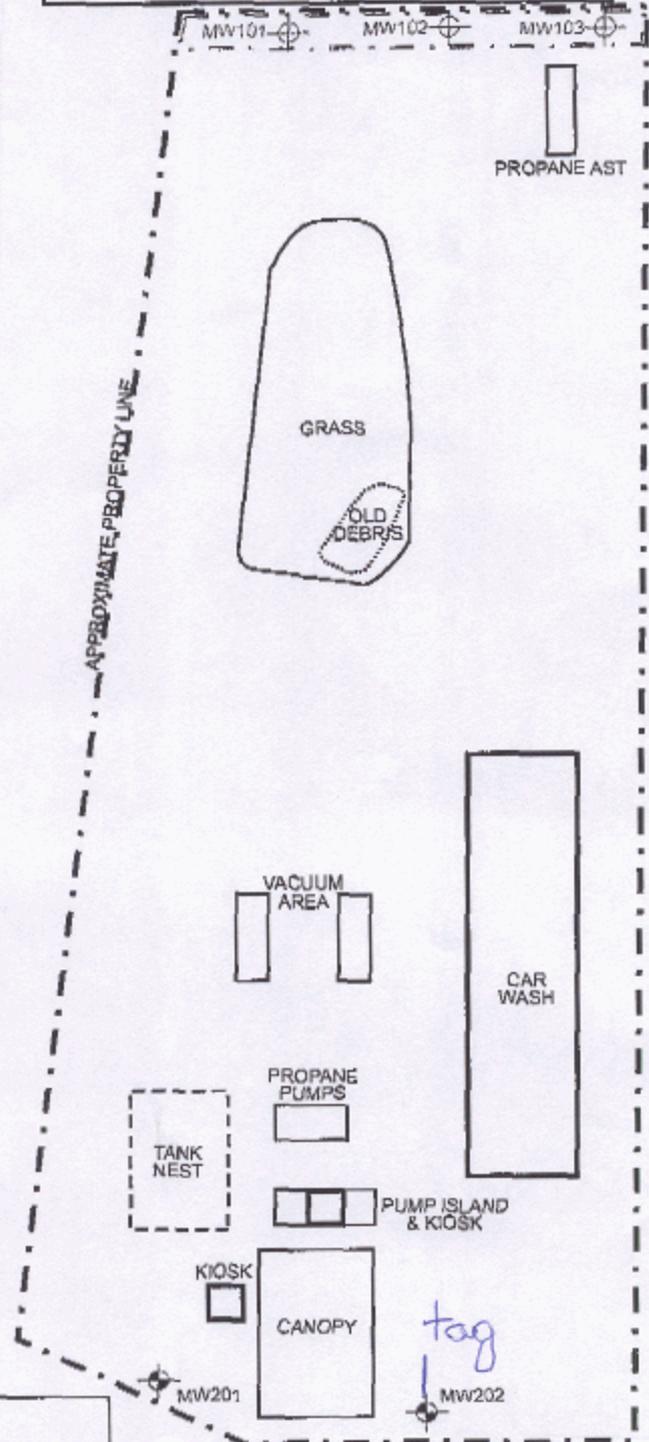




# GENERAL SITE LAYOUT

150 LAKESHORE ROAD EAST  
MISSISSAUGA, ONTARIO

CLIENT  
**PIONEER PETROLEUMS  
MANAGEMENT INC.**



**LEGEND**

	PROPERTY TO BE TRANSFERRED TO CITY OF MISSISSAUGA
	ABOVEGROUND STORAGE TANK
	PROPOSED WELL
	DECOMMISSIONED WELL

LAKESHORE ROAD EAST



NOTE: CREATED FROM GOOGLE EARTH IMAGE AND SITE PLAN PROVIDED BY CLIENT

PROJECT#	CB480.01
SCALE	AS SHOWN
DATE	SEPTEMBER 2010
DRAWN	PBR
CHECKED	PJS
<b>FIGURE 2</b>	

C-6607  
M08457  
C13465

MAY 05 2011

Measurements recorded in:  Metric  Imperial

Address of Well Location (Street Number/Name): **30 Port St. E.**  
 County/District/Municipality: **30 Port St. E.**  
 Township: **Mississauga.**  
 City/Town/Village: **Mississauga.**  
 Province: **Ontario**  
 Postal Code: \_\_\_\_\_  
 UTM Coordinates: Zone **18** Easting **176144044823047** Northing \_\_\_\_\_  
 Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
<b>Brown</b>	<b>Gravel</b>	<b>Fill</b>	<b>Loose</b>	<b>0'</b>	<b>5'</b>
<b>Brown</b>	<b>Clay</b>	<b>Sand</b>	<b>Soft / moist</b>	<b>5'</b>	<b>15'</b>

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
<b>0' - 1'</b>	<b>Concrete / Casing</b>	
<b>1' - 4'</b>	<b>Grout</b>	
<b>4' - 15'</b>	<b>Sand</b>	

**Results of Well Yield Testing**

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping _____ hrs + _____ min  Final water level end of pumping (m/ft)  If flowing give rate (l/min / GPM)  Recommended pump depth (m/ft)  Recommended pump rate (l/min / GPM)  Well production (l/min / GPM)  Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify \_\_\_\_\_  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Well Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
<b>2"</b>	<b>Plastic</b>	<b>5/40</b>	<b>0'</b>	<b>5'</b>	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

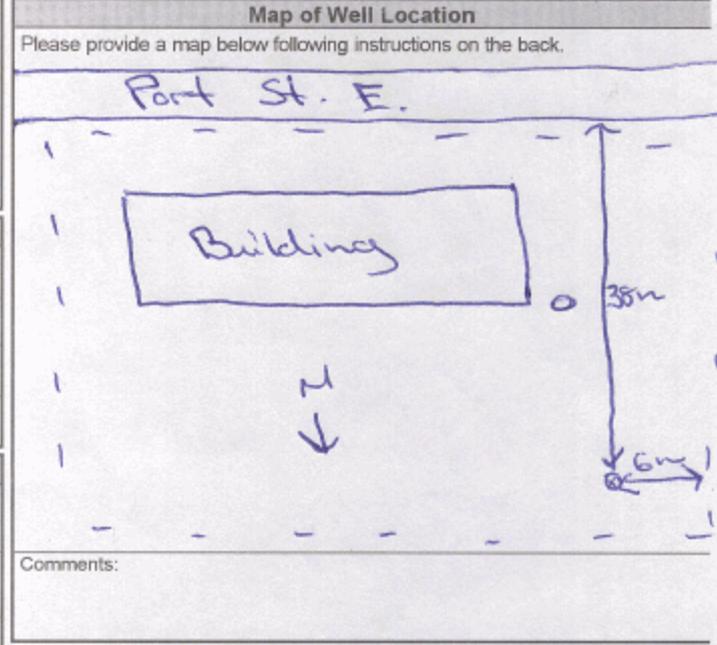
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
<b>2"</b>	<b>Plastic</b>	<b>10</b>	<b>5'</b>	<b>15'</b>

**Water Details**

Water found at Depth (m/ft)	Kind of Water:	Hole Diameter
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft) From To Diameter (cm/in)
		<b>0' 15' 8"</b>

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **Profile Drilling** Well Contractor's Licence No.: **7215**  
 Business Address (Street Number/Name): **6525 Northam Dr.** Municipality: **Mississauga**  
 Province: **Ont** Postal Code: **L4V1J2** Business E-mail Address: **Jason@ProfileDrilling.com**  
 Bus. Telephone No. (inc. area code): **4166506444** Name of Well Technician (Last Name, First Name): **Slack, Jason**  
 Well Technician's Licence No.: **2978** Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: **20110501**



**Well owner's information package delivered**  Yes  No

**Date Package Delivered** YYY Y MM DD: **20110428**

**Date Work Completed**: **20110428**

**Ministry Use Only**  
 Audit No.: **z129084**  
**MAY 09 2011**  
 Received

Measurements recorded in:  Metric  Imperial

**Well Owner's Information**

First Name: \_\_\_\_\_ Last Name / Organization: **Skinner Properties** E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **49 Manitoba Street, unit 101** Municipality: **Bracebridge ON** Province: **ON** Postal Code: **P1L2B2** Telephone No. (inc. area code): \_\_\_\_\_

**Well Location**

Address of Well Location (Street Number/Name): **20 Stavebank Drive** Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

County/District/Municipality: \_\_\_\_\_ City/Town/Village: **mississauga** Province: **Ontario** Postal Code: \_\_\_\_\_

UTM Coordinates: Zone: **17K** Easting: **4210** Northing: **4823141** Municipal Plan and Sublot Number: \_\_\_\_\_ Other: **WKQ-004049**  
 A 0 - A 02

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
<b>Brn</b>	<b>Silt</b>	<b>Sand</b>	<b>wet</b>	<b>0'</b>	<b>8'</b>
<b>Gry</b>	<b>Silt</b>	<b>Sand</b>		<b>8'</b>	<b>20'</b>

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
<b>0' - 1'</b>	<b>Cement</b>	
<b>1' - 8'</b>	<b>Bentonite</b>	
<b>8' - 20'</b>	<b>Sand</b>	

**Results of Well Yield Testing**

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: Static Level	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
If flowing give rate (l/min / GPM)	15		15	
	20		20	
	25		25	
	30		30	
Recommended pump rate (l/min / GPM)	40		40	
	50		50	
	60		60	

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify **Direct Push**  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
<b>2.0"</b>	<b>Plastic</b>	<b>0.25"</b>	<b>0'</b>	<b>10'</b>	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
<b>2.25"</b>	<b>Plastic</b>	<b>10</b>	<b>10'</b>	<b>20'</b>

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	<b>0</b>	<b>20' 6"</b>
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **Strata Soil Sampling Inc.** Well Contractor's Licence No.: **7 2 4 1**

Business Address (Street Number/Name): **147-2 West Beaver Creek Road** Municipality: **Richmond Hill**

Province: **Ontario** Postal Code: **L4B 1C6** Business E-mail Address: **wrecords@stratasoil.com**

Bus. Telephone No. (inc. area code): **905-764-9304** Name of Well Technician (Last Name, First Name): **Mike, Mike**

Well Technician's Licence No.: **3 4 4 8** Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: **20110731**

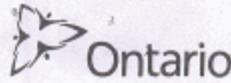
**Map of Well Location**

Please provide a map below following instructions on the back.

**See Map #1**

Comments: **General contractor: Pinchin Environmental**

Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered: <b>20110724</b>	<b>Ministry Use Only</b> Audit No.: <b>2136782</b> Received: <b>SEP 01 2011</b>
	Date Work Completed: <b>20110724</b>	



Measurements recorded in:  Metric  Imperial

Well Owner's Information: First Name: Skinner, Last Name / Organization: Properties, Mailing Address: 49 Manitoba St. suite 101, Municipality: Brantford, Province: ON, Postal Code: N1L 2B2

Well Location: Address of Well Location: 20 Stavebank Drive, Township: Mississauga, County/District/Municipality: Mississauga, UTM Coordinates: NAD 83 17K U 4174 4823129

Overburden and Bedrock Materials/Abandonment Sealing Record table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³)

Results of Well Yield Testing table with columns: After test of well yield, water was, Draw Down (Time, Water Level), Recovery (Time, Water Level)

Method of Construction and Well Use checkboxes: Cable Tool, Rotary, Boring, Air percussion, Direct Push, Public, Commercial, etc.

Construction Record - Casing table with columns: Inside Diameter, Open Hole OR Material, Wall Thickness, Depth (m/ft) From, To

Map of Well Location: Please provide a map below following instructions on the back. See Map #3

Construction Record - Screen table with columns: Outside Diameter, Material, Slot No., Depth (m/ft) From, To

Water Details and Hole Diameter tables: Water found at Depth, Kind of Water, Hole Diameter (Depth, Diameter)

Well Contractor and Well Technician Information: Business Name: Strata Soil Sampling Inc., Business Address: 147-2 West Beaver Creek Road Richmond Hill

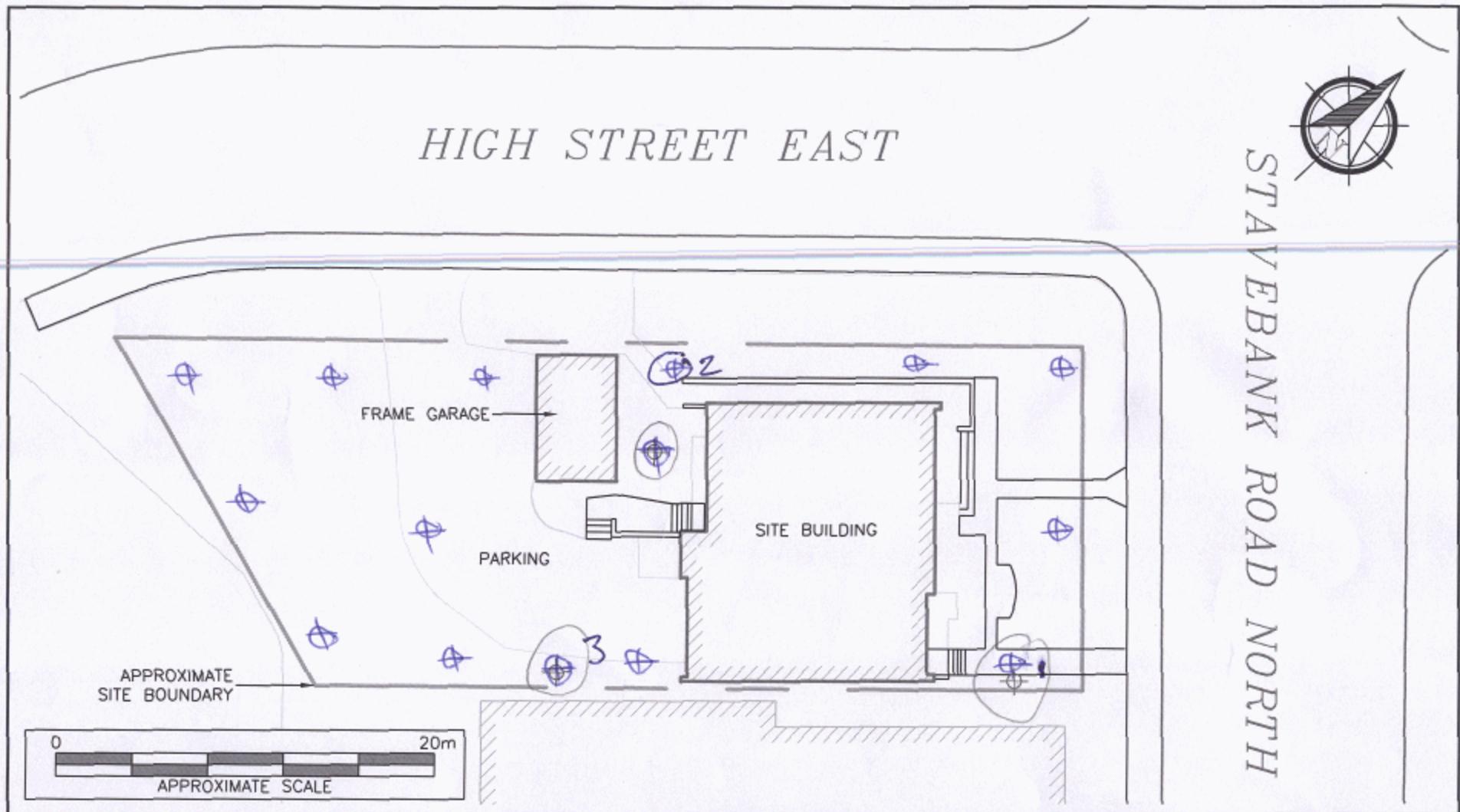
Comments: General contractor: Pinchin Environmental

Well Technician's License No. 3448, Signature of Technician and/or Contractor, Date Submitted: 20110731

Ministry Use Only: Audit No. Z136783, SEP 01 2011, Date Package Delivered, Date Work Completed



2136782 2136783 2136784



SEP 0 1 2011

LEGEND	
⊕	MONITORING WELL LOCATION

PROJECT NAME LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT		
CLIENT NAME SKINNER PROPERTIES		
PROJECT LOCATION 20 STAVEBANK ROAD NORTH, PORT CREDIT (MISSISSAUGA), ONTARIO		
FIGURE NAME MONITORING WELL LOCATION PLAN		FIGURE NO. 1
APPROXIMATE SCALE AS SHOWN	PROJECT NO. 68908	DATE JULY 2011

8819

Measurements recorded in:  Metric  Imperial

Page \_\_\_\_\_ of \_\_\_\_\_

**Well Owner's Information**

First Name: Remax Realty Enterprises Inc. Last Name / Organization: [Redacted] E-mail Address: [Redacted]  Well Constructed by Well Owner

Mailing Address (Street Number/Name): 125 Lakeshore rd. East Municipality: Mississauga Province: ON Postal Code: L5G 1E5 Telephone No. (inc. area code): [Redacted]

**Well Location**

Address of Well Location (Street Number/Name): 103 Lakeshore rd. East. Township: [Redacted] Lot: [Redacted] Concession: [Redacted]

County/District/Municipality: [Redacted] City/Town/Village: Mississauga Province: Ontario Postal Code: [Redacted]

UTM Coordinates: Zone Easting Northing: NAD 83 17 61144524823228 Municipal Plan and Sublot Number: [Redacted] Other: [Redacted]

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
brown	sand	gravel	soft	0	1
brown	silt	<del>sand</del>	"	1	3
grey	silt	fine sand	"	3	4.5

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From To		
0 .31	Concrete	
.31 1.2	Bentonite	
1.2 4.5	Silica Sand	

**Results of Well Yield Testing**

After test of well yield, water was:  
 Clear and sand free  
 Other, specify \_\_\_\_\_

If pumping discontinued, give reason: \_\_\_\_\_

Time (min)	Draw Down		Recovery	
	Water Level (m/ft)	Time (min)	Water Level (m/ft)	Time (min)
Static Level				
1		1		
2		2		
3		3		
4		4		
5		5		
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

Pump intake set at (m/ft): \_\_\_\_\_

Pumping rate (l/min / GPM): \_\_\_\_\_

Duration of pumping: \_\_\_\_\_ hrs + \_\_\_\_\_ min

Final water level end of pumping (m/ft): \_\_\_\_\_

If flowing give rate (l/min / GPM): \_\_\_\_\_

Recommended pump depth (m/ft): \_\_\_\_\_

Recommended pump rate (l/min / GPM): \_\_\_\_\_

Well production (l/min / GPM): \_\_\_\_\_

Disinfected?  Yes  No

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  Other, specify \_\_\_\_\_  
 Other, specify Direct Push

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
4.02	PVC	.40	0	1.5	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.82	PVC	10	1.5	4.5

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____

**Hole Diameter**

Depth (m/ft)	Diameter (cm/in)
From To	
0 4.5	10.9

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata Soil Sampling Inc. Well Contractor's Licence No.: 7241

Business Address (Street Number/Name): 147-2 West Beaver Creek Road Richmond Hill Municipality: [Redacted]

Province: Ontario Postal Code: L4B 1G6 Business E-mail Address: wrecords@stratasoil.com

Bus. Telephone No. (inc. area code): 905-764-9304 Name of Well Technician (Last Name, First Name): Eric Dangdan

Well Technician's Licence No.: 36117 Signature of Technician and/or Contractor: [Signature] Date Submitted: [Redacted]

**Map of Well Location**

Please provide a map below following instructions on the back.

See map  
mw 201

Well owner's information package delivered:  Yes  No

Date Package Delivered: 2011/20/530

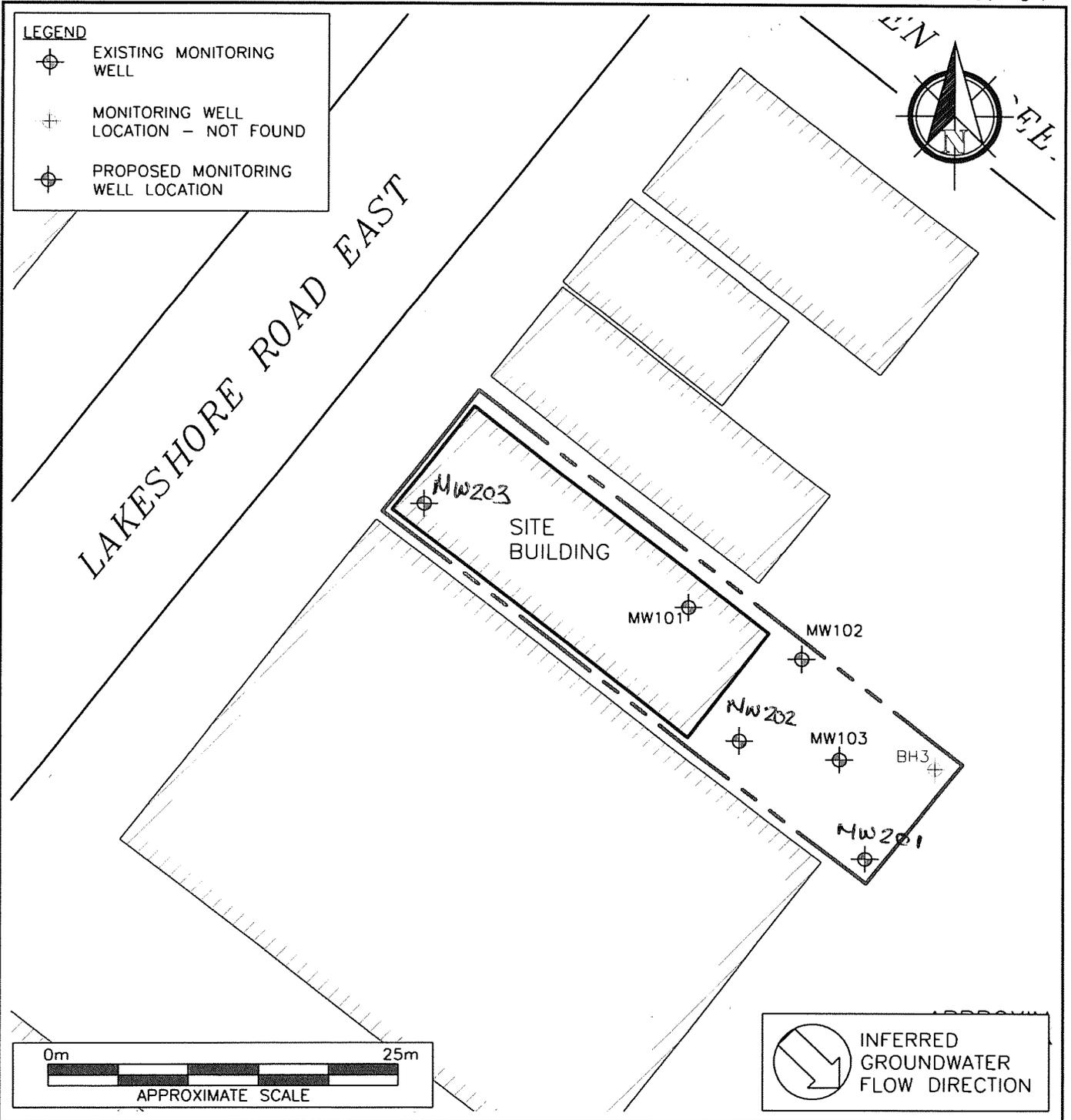
Date Work Completed: [Redacted]

**Ministry Use Only**

Audit No.: 2151074

Received: [Redacted]

5-12636



07241  
215794

PROJECT NAME SUPPLEMENTAL PHASE II ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME REMAX REALTY ENTERPRISES INC.			
PROJECT LOCATION 103 LAKESHORE ROAD EAST, MISSISSAUGA, ONTARIO			
FIGURE NAME PROPOSED MONITORING WELL LOCATION PLAN			FIGURE NO. 1
APPROXIMATE SCALE AS SHOWN	PROJECT NO. 62798.001	DATE MAY. 2012	

JUL 03 2012

Measurements recorded in:  Metric  Imperial

A125621

Page \_\_\_ of \_\_\_

**Well Owner's Information**

First Name: Remax Realty Last Name / Organization: Enterprises Inc E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): 125 Lakeshore rd. East Municipality: Mississauga Province: On Postal Code: L5G1E5 Telephone No. (inc. area code): \_\_\_\_\_

**Well Location**

Address of Well Location (Street Number/Name): 103 Lakeshore rd. East Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

County/District/Municipality: \_\_\_\_\_ City/Town/Village: Mississauga Province: **Ontario** Postal Code: \_\_\_\_\_

UTM Coordinates: Zone 17 Easting 614447 Northing 4823231 Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
<u>brown</u>	<u>sand</u>	<u>gravel</u>	<u>soft, loose</u>	<u>0</u>	<u>1</u>
<u>brown</u>	<u>sand</u>	<u>silt</u>	<u>soft</u>	<u>1</u>	<u>3</u>
<u>grey</u>	<u>silt</u>	<u>Fine sand</u>	<u>soft</u>	<u>3</u>	<u>4.5</u>

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
<u>0 - 0.31</u>	<u>Concrete</u>	<u>1002</u>
<u>0.31 - 1.2</u>	<u>bestonite</u>	
<u>1.2 - 4.5</u>	<u>Silica Sand</u>	

**Results of Well Yield Testing**

After test of well yield, water was:  
 Clear and sand free  
 Other, specify \_\_\_\_\_

If pumping discontinued, give reason: \_\_\_\_\_

Pump Intake set at (m/ft)	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Pumping rate (l/min / GPM): \_\_\_\_\_

Duration of pumping: \_\_\_\_\_ hrs + \_\_\_\_\_ min

Final water level end of pumping (m/ft): \_\_\_\_\_

If flowing give rate (l/min / GPM): \_\_\_\_\_

Recommended pump depth (m/ft): \_\_\_\_\_

Recommended pump rate (l/min / GPM): \_\_\_\_\_

Well production (l/min / GPM): \_\_\_\_\_

Disinfected?  Yes  No

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used

Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering

Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring

Boring  Digging  Irrigation  Cooling & Air Conditioning

Air percussion  Industrial

Other, specify Direct Push  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
<u>4.02</u>	<u>PVC</u>	<u>140</u>	<u>0</u>	<u>1.5</u>	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
<u>4.82</u>	<u>PVC</u>	<u>10</u>	<u>1.5</u>	<u>4.5</u>

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____
_____	_____
_____	_____
_____	_____

**Hole Diameter**

Depth (m/ft)	Diameter (cm/in)
<u>0 - 4.5</u>	<u>10.9</u>

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata Soil Sampling Inc. Well Contractor's Licence No.: 7 2 4 1

Business Address (Street Number/Name): 147-2 West Beaver Creek Road Municipality: Richmond Hill

Province: Ontario Postal Code: L4B 1C6 Business E-mail Address: wrecords@stratasoil.com

**Map of Well Location**

Please provide a map below following instructions on the back.

*See map mw 202*

Comments: \_\_\_\_\_

Bus. Telephone No. (inc. area code): 905-764-9304 Name of Well Technician (Last Name, First Name): Eric Langdon

Well Technician's Licence No.: 3617 Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: 2012/06/29

Well owner's information package delivered:  Yes  No

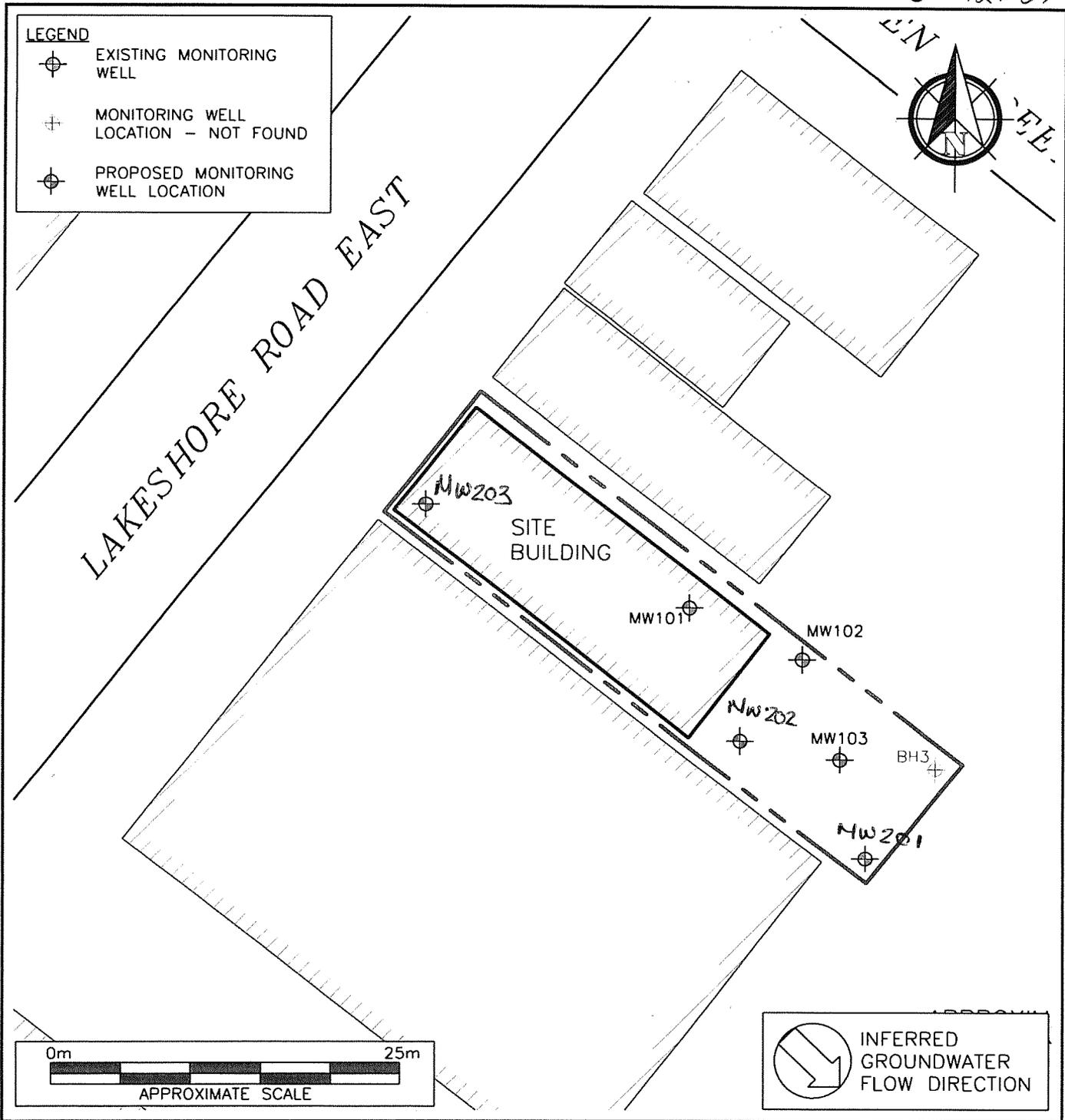
Date Package Delivered: 2012/05/30 Date Work Completed: \_\_\_\_\_

**Ministry Use Only**

Audit No.: z 151075

Received: 06 2012

5-12636



C-7241  
2157075

PROJECT NAME SUPPLEMENTAL PHASE II ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME REMAX REALTY ENTERPRISES INC.			
PROJECT LOCATION 103 LAKESHORE ROAD EAST, MISSISSAUGA, ONTARIO			
FIGURE NAME PROPOSED MONITORING WELL LOCATION PLAN			FIGURE NO. 1
APPROXIMATE SCALE AS SHOWN	PROJECT NO. 62798.001	DATE MAY. 2012	

JUL 03 2012



A130554

Measurements recorded in: Metric Imperial

Well Owner's Information

First Name, Last Name / Organization, E-mail Address, Mailing Address, Municipality, Province, Postal Code, Telephone No.

Well Location

Address of Well Location, Township, Lot, Concession, County/District/Municipality, City/Town/Village, Province, Postal Code, UTM Coordinates, Zone, Easting, Northing, Municipal Plan and Sublot Number, Other

Overburden and Bedrock Materials/Abandonment Sealing Record

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space: Depth Set at (m/ft), Type of Sealant Used, Volume Placed

Method of Construction, Well Use

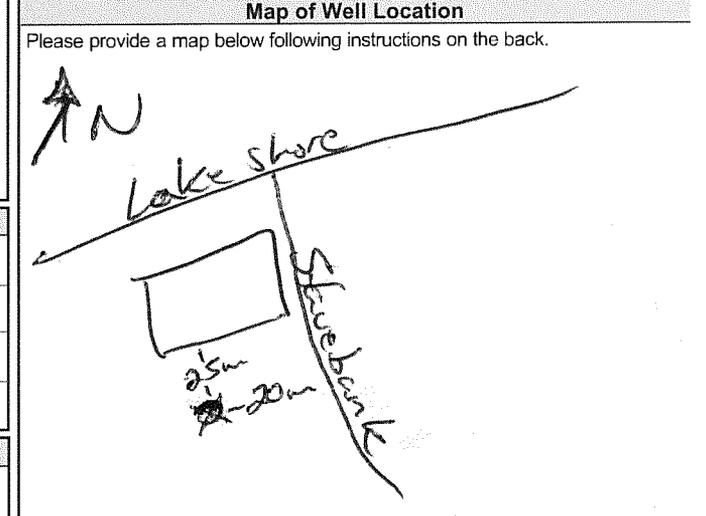
Construction Record - Casing, Status of Well

Construction Record - Screen

Water Details, Hole Diameter

Well Contractor and Well Technician Information

Results of Well Yield Testing: After test of well yield, water was, Draw Down, Recovery, Pumping rate, Duration of pumping, Final water level end of pumping, If flowing give rate, Recommended pump depth, Recommended pump rate, Well production, Disinfected?



Comments:

Well owner's information package delivered, Date Package Delivered, Date Work Completed

Ministry Use Only: Audit No., Received

Measurements recorded in:  Metric  Imperial

Tag#: A137100 A137100

Page 1 of

**Well Owner's Information**

First Name: \_\_\_\_\_ Last Name / Organization: 2539762 ONTARIO LTD E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): 113 Lakeshore Rd E. Municipality: Mississauga Province: ONT Postal Code: L5G 1E2 Telephone No. (inc. area code): \_\_\_\_\_

**Well Location**

Address of Well Location (Street Number/Name): 103 Lakeshore Rd East Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

County/District/Municipality: \_\_\_\_\_ City/Town/Village: Mississauga Province: Ontario Postal Code: \_\_\_\_\_

UTM Coordinates: NAD 83 Zone: 17E Easting: 1914453 Northing: 4823240 Municipal Plan and Sublot Number: \_\_\_\_\_ Other: WKQ-005210 A0-A03

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	FILL			0	4'
Brown	TIK			4'	6'
Brown	SAND	SILT	SATURATED	6'	8'
GREY	SILT	SAND	WET	8'	15'

**Annular Space**

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
15'	4'	SAND	
4'	1'	HOLE PUG	
1'	0	CONCRETE PAVEMENT	

**Results of Well Yield Testing**

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
Pumping rate (l/min / GPM)				
Duration of pumping _____ hrs + _____ min				
Final water level end of pumping (m/ft)	10		10	
If flowing give rate (l/min / GPM)	15		15	
Recommended pump depth (m/ft)	20		20	
Recommended pump rate (l/min / GPM)	25		25	
Well production (l/min / GPM)	30		30	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	40		40	
	50		50	
	60		60	

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used

Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering

Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring

Boring  Digging  Irrigation  Cooling & Air Conditioning

Air percussion  Industrial  Other, specify \_\_\_\_\_

Other, specify Direct Push

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
2"	PVC	0.25"	0	5'	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
2-25"	PVC	10	5'	15'

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Hole Diameter	
		Depth (m/ft) From	Depth (m/ft) To
		0	15'
			4.25"

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata Soil Sampling Inc. Well Contractor's Licence No.: 7 2 4 1

Business Address (Street Number/Name): 147-2 West Beaver Creek Road Municipality: Richmond Hill

Province: Ontario Postal Code: L4B 1C6 Business E-mail Address: wrecords@stratasoil.com

Bus. Telephone No. (inc. area code): 905-764-9304 Name of Well Technician (Last Name, First Name): Christopher Mark

Well Technician's Licence No.: 3708 Signature of Technician and/or Contractor: [Signature] Date Submitted: 2012/09/07

**Map of Well Location**

Please provide a map below following instructions on the back.

See Map  
MW 303

Comments: General contractor: Pinchin Environmental

Well owner's information package delivered:  Yes  No Date Package Delivered: 2012/08/17

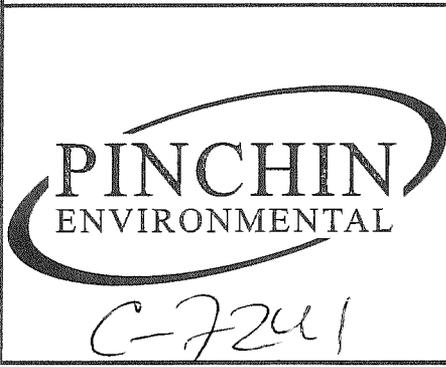
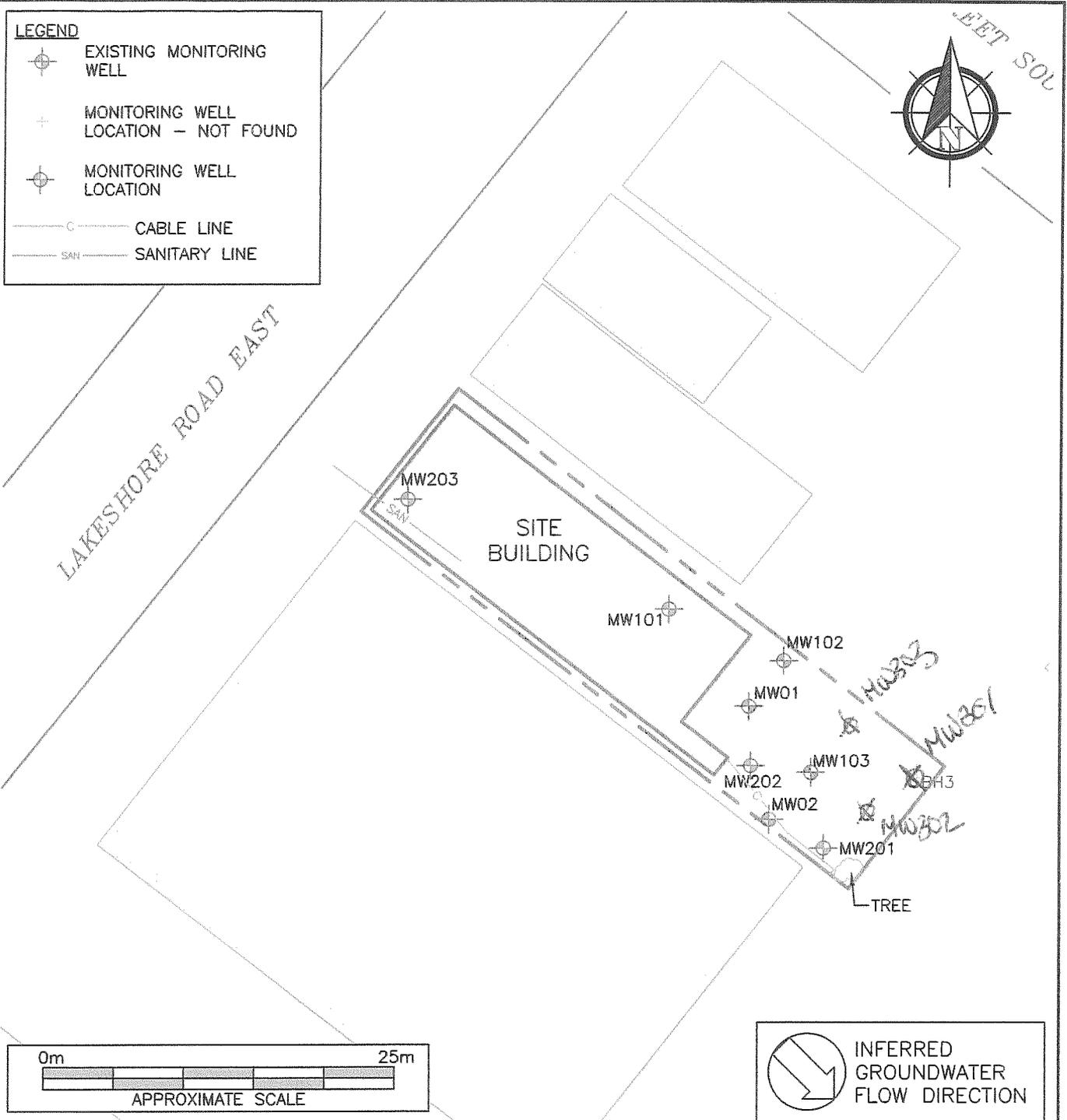
Date Work Completed: 2012/08/17

**Ministry Use Only**

Audit No.: Z 156840

Received: 24 2012

6-12917



PROJECT NAME			REMEDIAL WORK PLAN
CLIENT NAME			2539762 ONTARIO LTD., KEVIN LAROSE TEAM
PROJECT LOCATION			103 LAKESHORE ROAD EAST, MISSISSAUGA, ONTARIO
FIGURE NAME			FIGURE NO.
SITE AND MONITORING WELL LOCATION PLAN			1
APPROXIMATE SCALE	PROJECT NO.	DATE	
AS SHOWN	62798.002	AUG. 2012	

2186840.

SEP 24 2012

Measurements recorded in:  Metric  Imperial

Well Owner's Information

First Name: \_\_\_\_\_ Last Name / Organization: **2539762 ONTARIO LTD** E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **113 LAKESHORE RD E.** Municipality: **MISSISSAUGA** Province: **ONT** Postal Code: **L5G1E2** Telephone No. (inc. area code): \_\_\_\_\_

Well Location

Address of Well Location (Street Number/Name): **103 Lakeshore Rd East** Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

County/District/Municipality: \_\_\_\_\_ City/Town/Village: **Mississauga** Province: **Ontario** Postal Code: \_\_\_\_\_

UTM Coordinates: Zone **17** Easting **614455** Northing **4823285** Municipal Plan and Sublot Number: \_\_\_\_\_ Other WKQ-005210 A0 - A03

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	Fill			0	4'
Brown	Fill			4'	6'
Brown	SAND	SILT	SATURATED	6'	8'
GREEN	SILT	SAND	WET	8'	15'

Annular Space

Depth Set at (m/ft)	Type of Sealant Used	Volume Placed
From To	(Material and Type)	(m <sup>3</sup> /ft <sup>3</sup> )
15' 4'	SAND	
4' 7'	BENSER/ HOSE PLUG	
1' 0'	CONCRETE/ FURCA	

Results of Well Yield Testing

After test of well yield, water was:

Clear and sand free

Other, specify \_\_\_\_\_

If pumping discontinued, give reason: \_\_\_\_\_

Pump intake set at (m/ft): \_\_\_\_\_

Pumping rate (l/min / GPM): \_\_\_\_\_

Duration of pumping: \_\_\_\_\_ hrs + \_\_\_\_\_ min

Final water level end of pumping (m/ft): \_\_\_\_\_

If flowing give rate (l/min / GPM): \_\_\_\_\_

Recommended pump depth (m/ft): \_\_\_\_\_

Recommended pump rate (l/min / GPM): \_\_\_\_\_

Well production (l/min / GPM): \_\_\_\_\_

Disinfected?  Yes  No

Time (min)	Draw Down		Recovery	
	Water Level (m/ft)	Time (min)	Water Level (m/ft)	Time (min)
1		1		
2		2		
3		3		
4		4		
5		5		
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

Method of Construction

Cable Tool  Diamond  Public  Commercial  Not used

Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering

Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring

Boring  Digging  Irrigation  Cooling & Air Conditioning

Air percussion  Industrial

Other, specify **Direct Push**  Other, specify \_\_\_\_\_

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
2"	PVC	.25"	0	5'	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
2.25"	PVC	10	5'	15'

Water Details

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Hole Diameter	
		Depth (m/ft)	Diameter (cm/in)
		0	15' 4.25"

Well Contractor and Well Technician Information

Business Name of Well Contractor: **Strata Soil Sampling Inc.** Well Contractor's Licence No.: **7 2 4 1**

Business Address (Street Number/Name): **147-2 West Beaver Creek Road** Municipality: **Richmond Hill**

Province: **Ontario** Postal Code: **L4B 1C6** Business E-mail Address: **wrecords@stratasoil.com**

Bus. Telephone No. (inc. area code): **905-764-9304** Name of Well Technician (Last Name, First Name): **CATHARINE MARK**

Well Technician's Licence No.: **32018** Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: **20120907**

Map of Well Location

Please provide a map below following instructions on the back.

SEE MAP

MW 302

Comments: **General contractor: Pinchin Environmental**

Well owner's information package delivered:  Yes  No

Date Package Delivered: **20120817**

Date Work Completed: \_\_\_\_\_

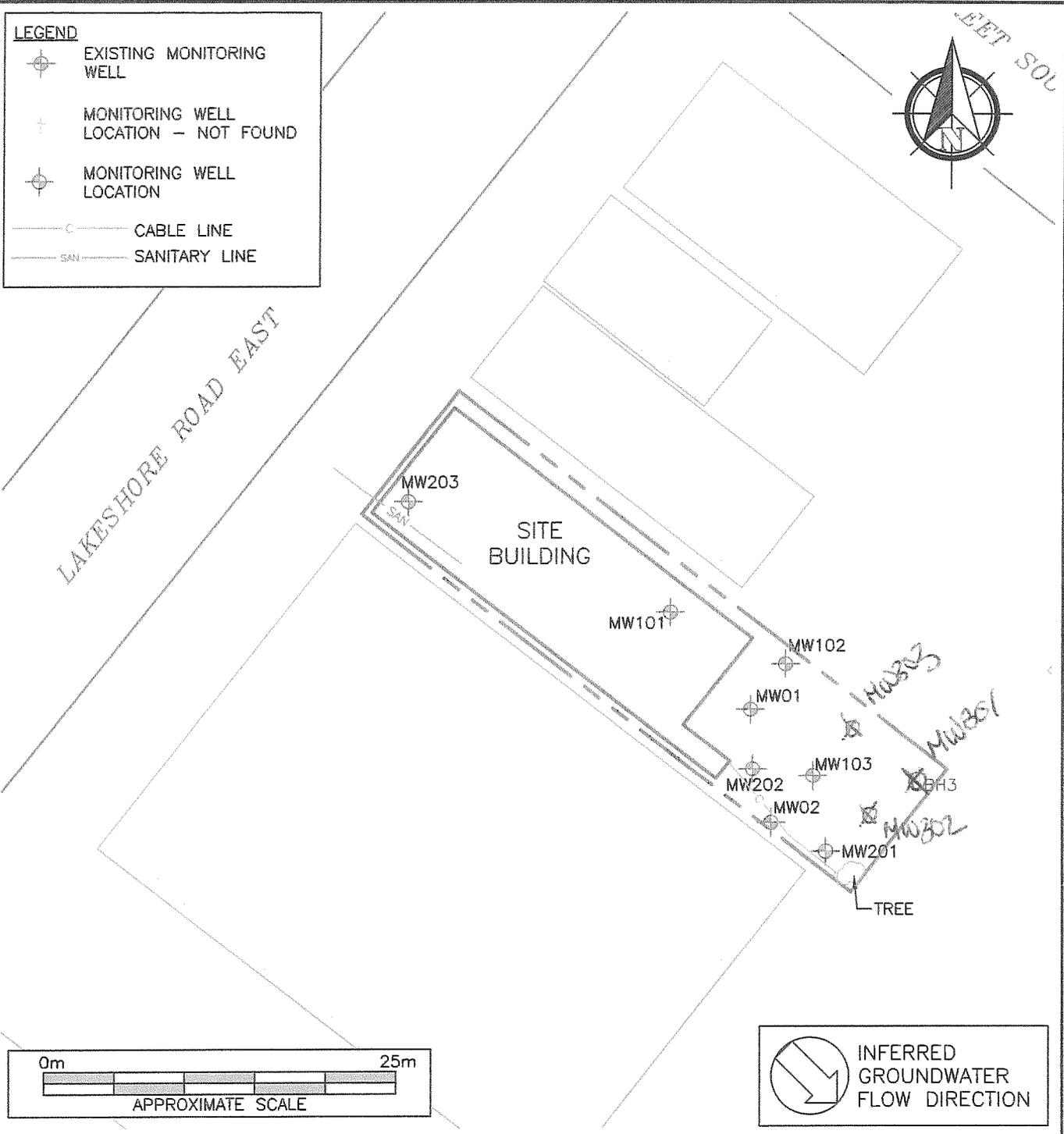
Ministry Use Only

Audit No.: **Z 156841**

SEP 24 2012

5-12917

BET SOL



C-7241  
2156841

PROJECT NAME				REMEDIAL WORK PLAN	
CLIENT NAME				2539762 ONTARIO LTD., KEVIN LAROSE TEAM	
PROJECT LOCATION				103 LAKESHORE ROAD EAST, MISSISSAUGA, ONTARIO	
FIGURE NAME				SITE AND MONITORING WELL LOCATION PLAN	
APPROXIMATE SCALE		PROJECT NO.	DATE	FIGURE NO.	
AS SHOWN		62798.002	AUG. 2012	1	

SEP 24 2012



Measurements recorded in:  Metric  Imperial

Tag#: A137098 A137098

Page 1 of

Well Owner's Information

First Name, Last Name / Organization, E-mail Address, Mailing Address (Street Number/Name), Municipality, Province, Postal Code, Telephone No. (inc. area code)

Well Location

Address of Well Location (Street Number/Name), Township, Lot, Concession, County/District/Municipality, City/Town/Village, Province, Postal Code, UTM Coordinates, Zone, Easting, Northing, Municipal Plan and Sublot Number, Other

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³)

Method of Construction, Well Use (Public, Commercial, Domestic, Municipal, Livestock, Irrigation, Industrial, Other)

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To

Status of Well (Water Supply, Replacement Well, Test Hole, Recharge Well, Dewatering Well, Observation and/or Monitoring Hole, Alteration (Construction), Abandoned, Insufficient Supply, Abandoned, Poor Water Quality, Abandoned, other, specify)

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material (Plastic, Galvanized, Steel), Slot No., Depth (m/ft) From, To

Water Details table with columns: Water found at Depth (m/ft), Kind of Water (Fresh, Untested, Gas, Other, specify)

Hole Diameter table with columns: Depth (m/ft) From, To, Diameter (cm/in)

Well Contractor and Well Technician Information (Business Name, Licence No., Address, Municipality, Province, Postal Code, Business E-mail Address)

Well Technician Information (Bus. Telephone No., Name of Well Technician, Signature, Date Submitted)

Results of Well Yield Testing table with columns: After test of well yield, water was; Draw Down (Time, Water Level); Recovery (Time, Water Level); Pumping rate; Duration of pumping; Final water level end of pumping; If flowing give rate; Recommended pump depth; Recommended pump rate; Well production; Disinfected?

Map of Well Location

Please provide a map below following instructions on the back. SEE MAP MW 301

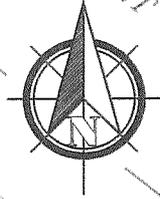
Comments: General contractor: Pinchin Environmental

Well owner's information package delivered, Date Package Delivered, Date Work Completed

Ministry Use Only (Audit No., Date)

5-12917

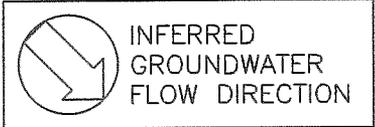
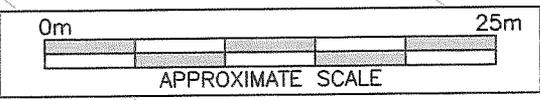
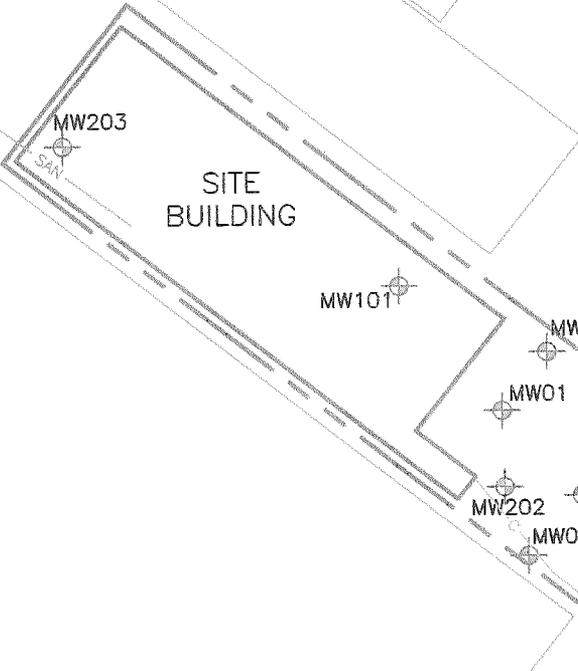
BET SOL



**LEGEND**

	EXISTING MONITORING WELL
	MONITORING WELL LOCATION - NOT FOUND
	MONITORING WELL LOCATION
	CABLE LINE
	SANITARY LINE

LAKESHORE ROAD EAST



PROJECT NAME				REMEDIAL WORK PLAN	
CLIENT NAME				2539762 ONTARIO LTD., KEVIN LAROSE TEAM	
PROJECT LOCATION				103 LAKESHORE ROAD EAST, MISSISSAUGA, ONTARIO	
FIGURE NAME				SITE AND MONITORING WELL LOCATION PLAN	
FIGURE NO.				1	
APPROXIMATE SCALE	PROJECT NO.	DATE			
AS SHOWN	62798.002	AUG. 2012			

2156839

SEP 24 2012

Measurements recorded in:  Metric  Imperial

Tag#: A131120 A131120

Page \_\_\_\_\_ of \_\_\_\_\_

Address of Well Location (Street Number/Name): 103 Lakeshore Road  
 Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_  
 County/District/Municipality: \_\_\_\_\_ City/Town/Village: Mississauga Province: Ontario Postal Code: \_\_\_\_\_  
 UTM Coordinates: Zone Easting Northing: NAD 83 176 144804823067  
 Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
BRN	Sand	Gravel	Fill	0	2'
BRN	Silt	Sand	loose	2'	10'
GRY	Silt	Clay	Soft	10'	15'

**Annular Space**

Depth Set at (m/ft)		Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
From	To		
15'	4'	Sand	
4'	0	Benscal Flushmount/Concrete	

**Results of Well Yield Testing**

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping ____ hrs + ____ min  Final water level end of pumping (m/ft)  If flowing give rate (l/min / GPM)  Recommended pump depth (m/ft)  Recommended pump rate (l/min / GPM)  Well production (l/min / GPM)  Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

**Method of Construction**

Cable Tool  Diamond  
 Rotary (Conventional)  Jetting  
 Rotary (Reverse)  Driving  
 Boring  Digging  
 Air percussion  
 Other, specify Direct Push

**Well Use**

Public  Commercial  Not used  
 Domestic  Municipal  Dewatering  
 Livestock  Test Hole  Monitoring  
 Irrigation  Cooling & Air Conditioning  
 Industrial  
 Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
1.6	Plastic	.25	0	5'	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

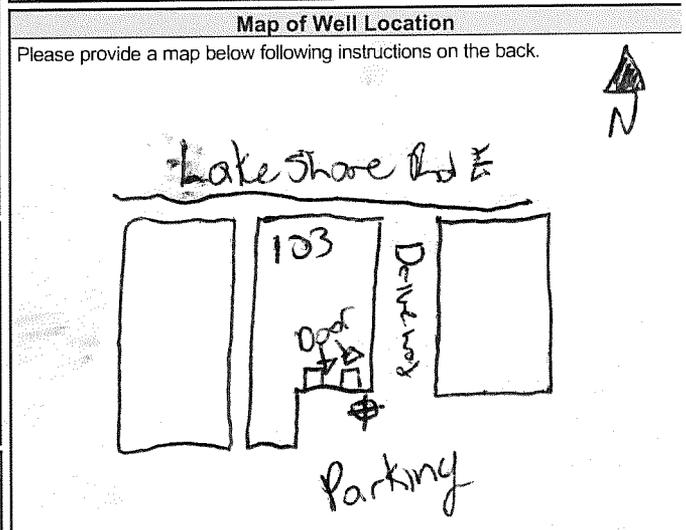
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
1"	Plastic	.10	5'	15'

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Hole Diameter
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Depth (m/ft) From To Diameter (cm/in)
		0 15' 2.25

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: strata soil sampling Well Contractor's Licence No.: 712411  
 Business Address (Street Number/Name): 103-147 West Beaver Creek Rd. Municipality: Richmond Hill  
 Province: ON Postal Code: \_\_\_\_\_ Business E-mail Address: lubbick@records@stratasoil.com  
 Bus. Telephone No. (inc. area code): 905-764-9304 Name of Well Technician (Last Name, First Name): Maas, Mike  
 Well Technician's Licence No.: 3448 Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: 2012 09 14



Comments: \_\_\_\_\_

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D	Ministry Use Only Audit No. <b>2148598</b> SEP 24 2012
	Date Work Completed <u>2012 08 28</u>	





Well Record for Well Cluster - Part 2 of 3 Land Owner Consent

This form is to be completed by the person who constructs or abandons test holes or dewatering wells that form all or part of a well cluster. If this form is being used to report any well abandonment, these wells must have been previously reported as part of a single well cluster.

Note: For well cluster records, only the owners of the land on which the wells are situated are to give written consent. If the well purchaser (e.g. a consultant who hires the driller) is not the owner of the land, then the well purchaser cannot sign the consent form.

By signing this form, land owners are providing consent to use one well record to report a well cluster of test holes or dewatering wells in accordance with section 16.4 of Regulation 903 made under the Ontario Water Resources Act.

This completed Well Record for Well Cluster Part 2 - Land Owner Consent must be attached to Parts 1 and 3.

\* Please PRINT if completing by hand.

Well Tag Number: # A136203

"Well Record for Well Cluster" Audit Number: # C19374

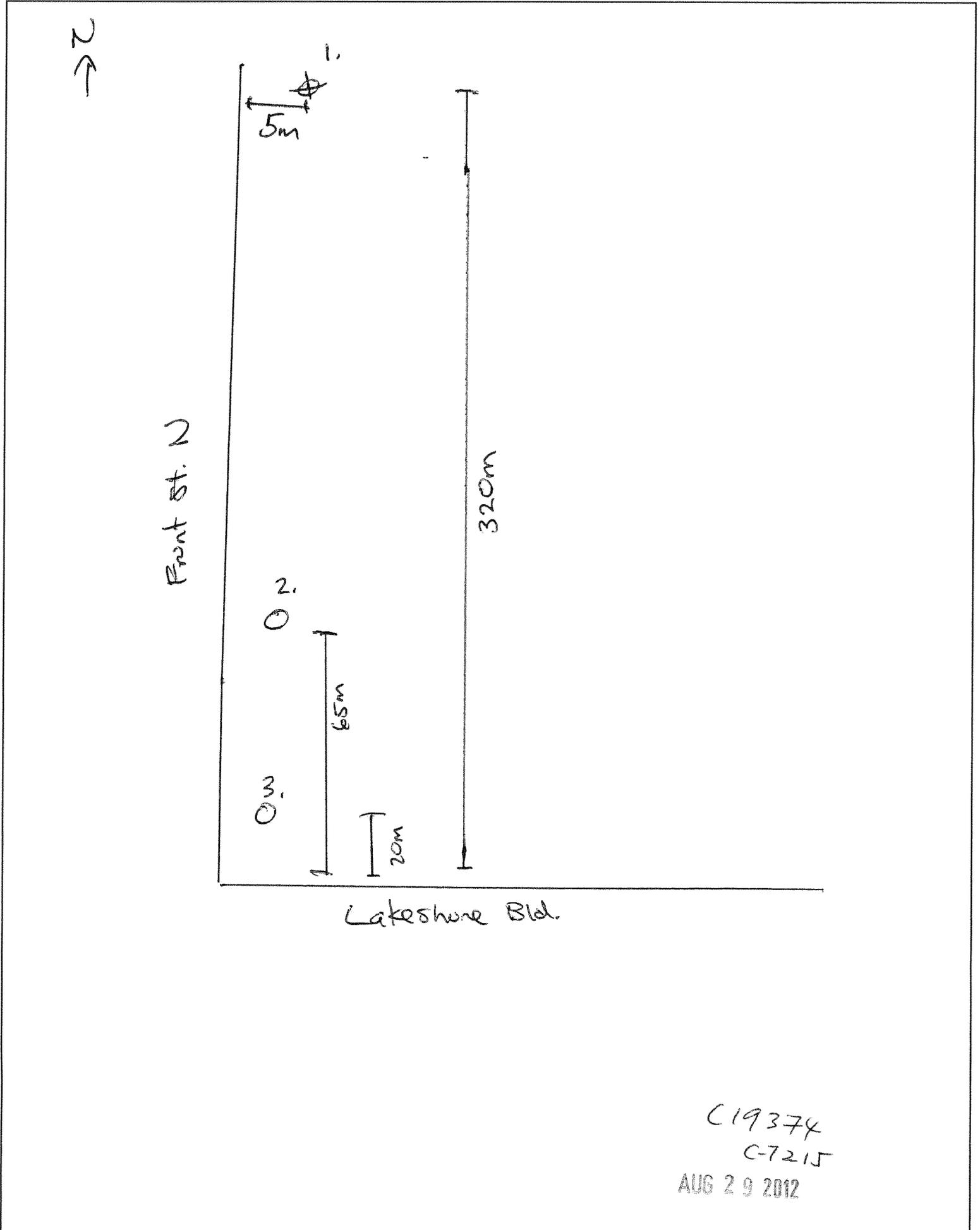
Table with 5 columns: Well # on Detailed Drawing, Property Location Description, Land Owner's Name, Signature of Land Owner, Date Signed (yyyy/mm/dd). Rows include handwritten entries for mw1, mw2, and mw3.



Note: This Well Record for Well Cluster Part 3 - Detailed Drawing of all Well Locations, must be attached to Parts 1 and 2. The drawing must include all property boundaries, an arrow indicating the North direction, all named roads and sufficient measurements to locate all wells in the cluster in relation to fixed points. The drawing must show the location of each well and each well must be numbered on the drawing to match number used for that well on the Well Record for Well Cluster Parts 1 and 2. The well with the well tag must be clearly identified on the Drawing.  
UTM coordinates should appear beside each well, if space permits. Additional comments on wells can be included on the drawing

Well Tag Number: # A156203

"Well Record for Well Cluster" Form Audit Number: # C 19374



C19374  
C-7215  
AUG 29 2012





Measurements recorded in:  Metric  Imperial

CENTRE CITY CAPITAL LTD.

Well Location

Address of Well Location (Street Number/Name) 99 Lakeshore Rd. E. Township Port Credit. Lot Concession Ontario Postal Code L5G1E2

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Includes handwritten entries like 'Brown', 'Fine Sand', 'Clay', 'Dense', 'Hard'.

Annular Space table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used; Volume Placed (m³/ft³). Includes handwritten entries for bentonite grout and sand pack.

Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Includes handwritten entries for pumping rate and duration.

Method of Construction and Well Use section with checkboxes for Cable Tool, Rotary, Boring, etc.

Construction Record - Casing table with columns: Inside Diameter, Open Hole OR Material, Wall Thickness, Depth (m/ft) From, To. Includes handwritten entries for plastic casing.

Construction Record - Screen table with columns: Outside Diameter, Material, Slot No., Depth (m/ft) From, To. Includes handwritten entries for plastic screen.

Water Details and Hole Diameter section with checkboxes for Fresh, Untested, Gas, etc.

Well Contractor and Well Technician Information section with fields for Business Name, Address, Licence No., and Technician Name.

Map of Well Location section with handwritten note 'see map #3' and Ministry Use Only section with Audit No. 2179108 and date NOV 08 2013.



Google earth

feet  
meters



Z179108 C-7472

NOV 08 2013



Measurements recorded in:  Metric  Imperial

Tag#: A155431

CENTRE CITY CAPITAL LTD.

Well Location

Address of Well Location (Street Number/Name) 99 Lakeshore Rd. E. Township \_\_\_\_\_ Lot \_\_\_\_\_ Concession \_\_\_\_\_

County/District/Municipality \_\_\_\_\_ City/Town/Village Port Credit Province Ontario Postal Code L5G1E2

UTM Coordinates Zone Easting Northing \_\_\_\_\_ Municipal Plan and Sublot Number \_\_\_\_\_ Other \_\_\_\_\_

NAD 83 176114470 4823177

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
<u>Brown</u>	<u>Fine Sand</u>		<u>Dense</u>	<u>0</u>	<u>6.0</u>
<u>Grey</u>	<u>Shale</u>	<u>Clay</u>	<u>Hard</u>	<u>6.0</u>	<u>12.1</u>

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
<u>0</u> <u>8.5</u>	<u>Dentonite grout</u>	
<u>8.5</u> <u>12.1</u>	<u>sand pack</u>	

**Results of Well Yield Testing**

After test of well yield, water was:	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
<input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____				
If pumping discontinued, give reason:	Static Level			
	<u>1</u>		<u>1</u>	
Pump intake set at (m/ft)	<u>2</u>		<u>2</u>	
Pumping rate (l/min / GPM)	<u>3</u>		<u>3</u>	
Duration of pumping _____ hrs + _____ min	<u>4</u>		<u>4</u>	
Final water level end of pumping (m/ft)	<u>5</u>		<u>5</u>	
	<u>10</u>		<u>10</u>	
If flowing give rate (l/min / GPM)	<u>15</u>		<u>15</u>	
	<u>20</u>		<u>20</u>	
Recommended pump depth (m/ft)	<u>25</u>		<u>25</u>	
Recommended pump rate (l/min / GPM)	<u>30</u>		<u>30</u>	
Well production (l/min / GPM)	<u>40</u>		<u>40</u>	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	<u>50</u>		<u>50</u>	
	<u>60</u>		<u>60</u>	

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
<u>5.2</u>	<u>Plastic</u>	<u>10</u>	<u>0</u>	<u>9.1</u>	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
<u>6.4</u>	<u>Plastic</u>	<u>10</u>	<u>9.1</u>	<u>12.1</u>

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Hole Diameter		
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft)		
		From		
		To		
		Diameter (cm/in)		
		<u>0</u>	<u>12.1</u>	<u>2.0</u>

**Well Contractor and Well Technician Information**

Business Name of Well Contractor Davis Drilling Ltd. Well Contractor's Licence No. 7472

Business Address (Street Number/Name) 873 Nipissing Rd. Municipality Milton

Province ON Postal Code L9T4Z4 Business E-mail Address davisdrilling@bellnet.ca

Bus. Telephone No. (inc. area code) 905-299-6915 Name of Well Technician (Last Name, First Name) Campbell, Luke

Well Technician's Licence No. 3674 Signature of Technician and/or Contractor [Signature] Date Submitted 2013/09/20

**Map of Well Location**

Please provide a map below following instructions on the back.

see map - MW# 2

Comments:

Well owner's information package delivered  Yes  No

Date Package Delivered 2013/09/20

Date Work Completed 2013/05/06

**Ministry Use Only**

Audit No. Z 179109

Received NOV 08 2013



Google earth

feet  
meters



2179109 C-7472

NOV 08 2013



Well Tag No. (Place Sticker and/or Print Below)
Tag#: A155430

Measurements recorded in: [X] Metric [ ] Imperial

CENTRE CITY CAPITAL LTD.

Well Location

Address of Well Location (Street Number/Name) 99 Lakeshore Rd. E.
Township Port Credit
City/Town/Village Port Credit
Province Ontario
Postal Code L5G1E2
UTM Coordinates Zone Easting Northing
Municipal Plan and Sublot Number

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Includes entries for Brown Fine Sand, Gray Shale, Clay, Dense Hard.

Annular Space table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³). Includes entries for bentonite grout and sand pack.

Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Includes data for pumping rate, duration, and water level.

Method of Construction and Well Use section with checkboxes for Cable Tool, Rotary, Boring, etc., and Public, Commercial, etc.

Construction Record - Casing table with columns: Inside Diameter, Open Hole OR Material, Wall Thickness, Depth (m/ft) From, To. Includes entry for plastic casing.

Construction Record - Screen table with columns: Outside Diameter, Material, Slot No., Depth (m/ft) From, To. Includes entry for plastic screen.

Water Details and Hole Diameter section with columns for water depth, kind of water, and hole diameter.

Well Contractor and Well Technician Information section with fields for Business Name, Address, Licence No., etc.

Map of Well Location section with instructions and a handwritten note: 'See map MW#1'.

Well owner's information and signature section with fields for Date Package Delivered, Date Work Completed, and signature.

Ministry Use Only section with fields for Audit No. and Received date.



Google earth

feet  
meters



Z179110 C-7472

NOV 08 2013



Measurements recorded in:  Metric  Imperial

Well Owner's Information

First Name: REGION OF PEEL, Last Name / Organization: (90 STANTEC CONSULTING LIMITED), E-mail Address: [blank], Mailing Address: WASTE OPERATIONS, 7795 TORBRAM RD., Municipality: BRAMPTON, Province: ONTARIO, Postal Code: L6T0E6

Well Location

Address of Well Location: MEMORIAL PARK, PARK ST. E. & STAVEBANK RD., Township: PORT CREDIT, Lot: [blank], Concession: [blank], County/District/Municipality: PEEL, City/Town/Village: PORT CREDIT, Province: Ontario, Postal Code: [blank], UTM Coordinates: NAD 83 17 614 009 48 232 06

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with 5 columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Rows include BROWN FILL, BROWN TILL, GREY TILL.

Annular Space

Table with 4 columns: Depth Set at (m/ft) From, To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³). Rows include CEMENT, BENTONITE HOLEPLUG, SILICA SAND, BENTONITE HOLEPLUG.

Results of Well Yield Testing

Table with 4 columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Includes checkboxes for water quality and pumping details.

Method of Construction

Well Use

Method of Construction: AUGER, Well Use: Test Hole, Monitoring.

Construction Record - Casing

Status of Well

Construction Record - Casing table with columns for Inside Diameter, Material, Wall Thickness, Depth. Status of Well table with checkboxes for Water Supply, Test Hole, etc.

Construction Record - Screen

Construction Record - Screen table with columns for Outside Diameter, Material, Slot No., Depth.

Water Details

Hole Diameter

Water Details table with columns for Depth, Kind of Water. Hole Diameter table with columns for Depth, Diameter.

Well Contractor and Well Technician Information

Business Name: LANTECH DRILLING SERVICES INC., Well Contractor's Licence No: 6809, Business Address: 3661 MOUNT ALBERT ROAD, Municipality: SHARON, Well Technician: MIKE SOKOROW, Date Submitted: 2013/11/18

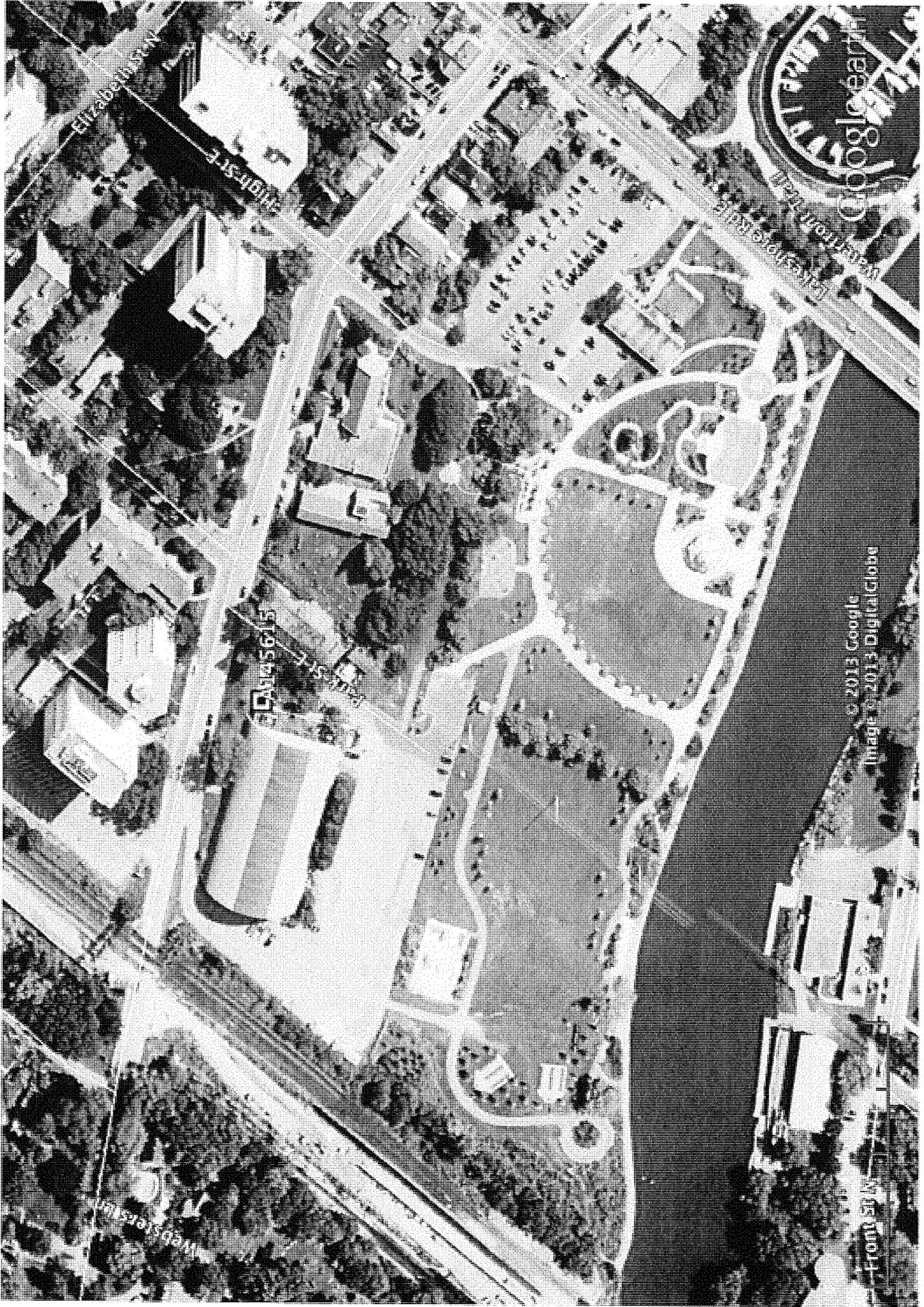
Map of Well Location

Please provide a map below following instructions on the back.

SEE ATTACHED MAP

Comments:

Well owner's information package delivered: [checked], Date Package Delivered: 2013/10/08, Ministry Use Only: Audit No. 2175941, Date Work Completed: 2013/10/08, APR 10 2014



APR 10 2014

C-10809 2755941

Google earth feet 1000 meters 300



Measurements recorded in:  Metric  Imperial

Page \_\_\_\_\_ of \_\_\_\_\_

N/A

Well Owner's Information

Last Name / Organization: Centre City Capital Limited

E-mail Address

Well Constructed by Well Owner

Mailing Address (Street Number/Name): 1 Port Street East

Municipality: Mississauga

Province: ON

Well Location

Address of Well Location (Street Number/Name): 31 Lakeshore Blvd E

Township

Lot

Concession

County/District/Municipality

City/Town/Village: Mississauga

Province: Ontario

Postal Code

UTM Coordinates Zone Easting Northing

NAD 83 17 61 43 01 48 23 03 1

Municipal Plan and Sublot Number

Other: WKQ-007099  
A 0 - A 0

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with 5 columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From To. Row 1: Deco

Annular Space table with columns: Depth Set at (m/ft) From To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³). Row 1: 0, 3.1, Benseal

Method of Construction and Well Use tables. Method of Construction includes Cable Tool, Rotary, Boring, etc. Well Use includes Public, Commercial, Domestic, etc.

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From To. Row 1: 5.20, PVC, 3.90, 0, 3.1

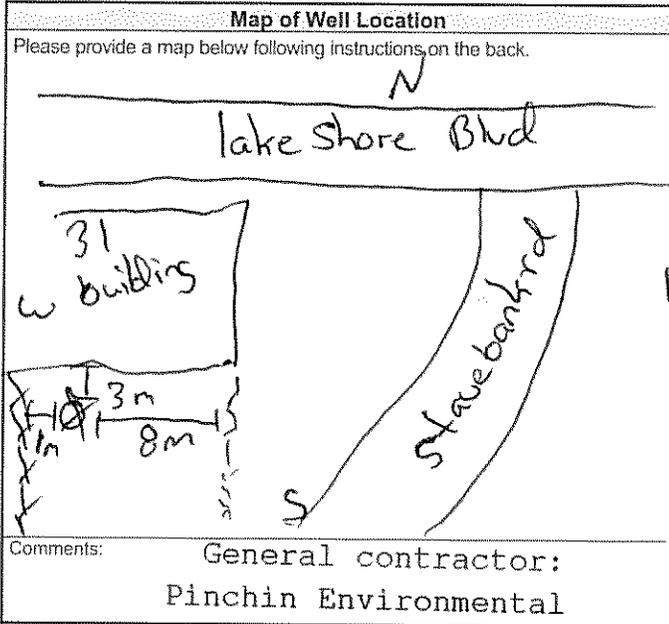
Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From To. Row 1: 6.03, PVC, 10, 3.1, 6.1

Water Details and Hole Diameter tables. Water Details includes Water found at Depth, Kind of Water. Hole Diameter includes Depth (m/ft) From To, Diameter (cm/in).

Well Contractor and Well Technician Information table. Business Name: Strata Soil Sampling Inc. Well Contractor's Licence No.: 7241. Business Address: 165 Shields Court, Markham, Ontario.

Well owner's information package delivered table. Date Work Completed: 20140724. Well Technician's Licence No.: 3448. Signature: [Signature]. Date Submitted: 20140829.

Results of Well Yield Testing table. Columns: Time (min), Water Level (m/ft), Recovery (m/ft). Rows for Draw Down and Recovery at various depths (1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60).



Ministry Use Only table. Audit No: Z192976. Received: SEP 08 2014.

Measurements recorded in:  Metric  Imperial

**Well Owner's Information**

First Name: Last Name / Organization: **CLB AMEC ENVIRONMENTAL** E-mail Address:  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **104 CROCKFORD BOULEVARD** Municipality: **TORONTO** Province: **ONTARIO** Postal Code: **M1R 3C3** Telephone No. (inc. area code):

**Well Location**

Address of Well Location (Street Number/Name): **PORT CREDIT GO STATION** Township: **TORONTO** Lot: **4** Concession: **RANGE 1**

County/District/Municipality: **MISSISSAUGA** City/Town/Village: **PORT CREDIT** Province: **Ontario** Postal Code:

UTM Coordinates Zone: **18** Easting: **317614141** Northing: **4823954** Municipal Plan and Sublot Number: Other:

**Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GRAY	CONCRETE			0.0	0.2
BROWN	FILL			0.2	3.3
BROWN	SAND TILL			3.3	6.1
	EOH			6.1	

- FLUSHWOOD ADJECTIVE CASINGS.

**Annular Space**

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0.0	0.3	CONCRETE	
0.3	2.8	BENTONITE	
2.8	6.1	SAND	
	6.1	EOH	

**Results of Well Yield Testing**

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft) Pumping rate (l/min / GPM) Duration of pumping hrs + min Final water level end of pumping (m/ft) If flowing give rate (l/min / GPM) Recommended pump depth (m/ft) Recommended pump rate (l/min / GPM) Well production (l/min / GPM) Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

**Method of Construction**

Cable Tool  Diamond  Rotary (Conventional)  Jetting  Rotary (Reverse)  Driving  Boring  Digging  Air percussion  Other, specify

**Well Use**

Public  Commercial  Not used  Domestic  Municipal  Dewatering  Livestock  Test Hole  Monitoring  Irrigation  Cooling & Air Conditioning  Industrial  Other, specify

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
5.0	PVC		0.0	3.1	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
6.3	PVC	0.010"	3.1	6.1

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
3.1	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	0.0	6.1	11.4
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify			
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify			

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **SONIC SOIL SAMPLING INC.** Well Contractor's Licence No.: **7 1 4 7**

Business Address (Street Number/Name): **355 MILLWAY AVENUE** Municipality: **YORK**

Province: **ONTARIO** Postal Code: **L4K 3V2** Business E-mail Address: **sonic@sonicsoil.com**

Business Telephone No. (inc. area code): **905 880 0501** Name of Well Technician (Last Name, First Name): **ARCHIBALD, ALAN**

Well Technician's Licence No.: **8 8 1** Signature of Technician and/or Contractor: *[Signature]* Date Submitted: **20150606**

**Map of Well Location**

Please provide a map below following instructions on the back.

Comments: **MAP ATTACHED**

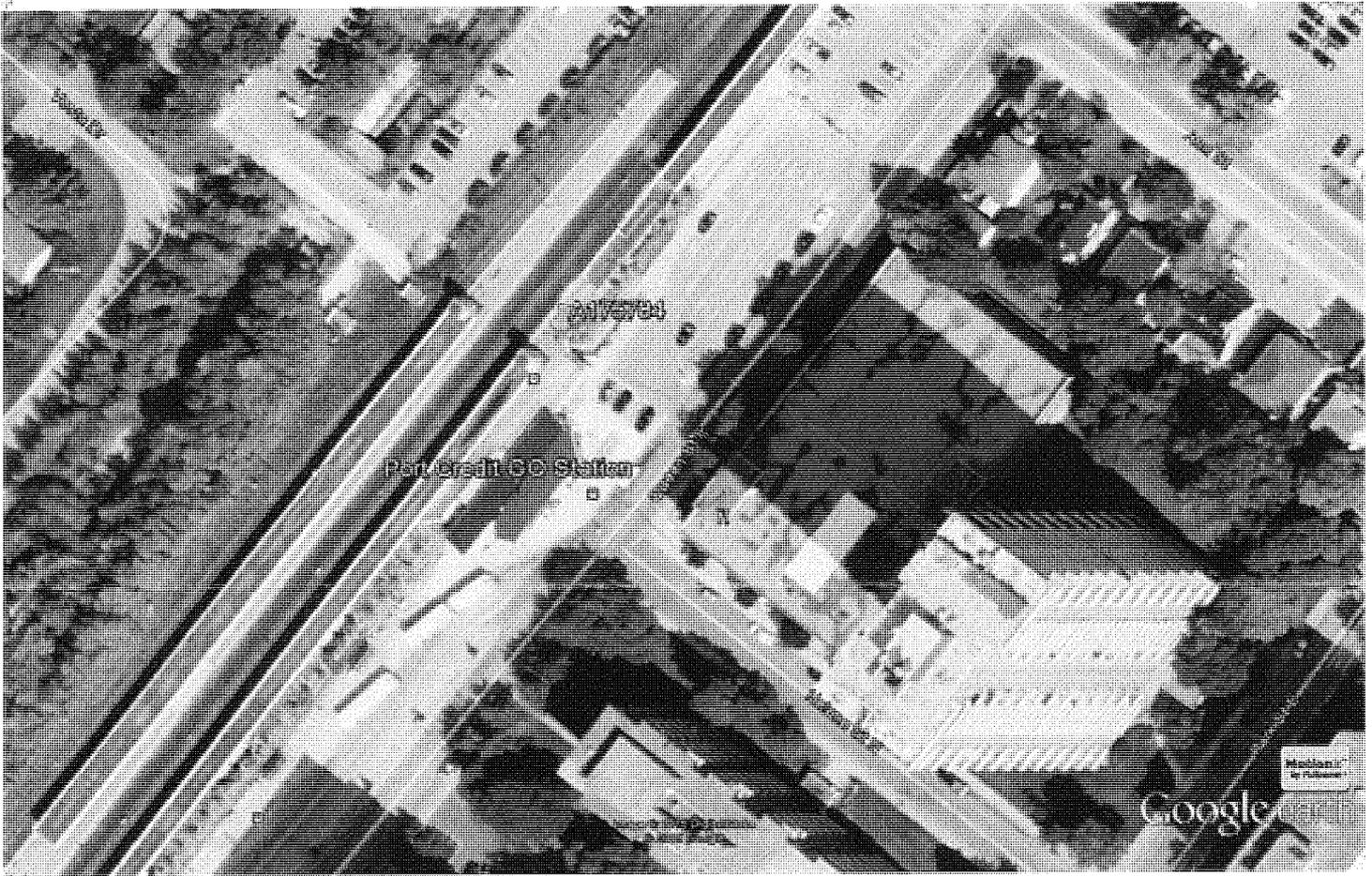
Well owner's information package delivered:  Yes  No

Date Package Delivered: **20150606** Date Work Completed: **20150606**

**Ministry Use Only**

Audit No.: **Z 203315**

Date: **JUN 25 2015**



Google earth

feet  
meters



C-7147  
JUN 25 2015  
Z 203315



Well Tag No. (Place Sticker and/or Print Below)
A209765

Measurements recorded in: [X] Metric [ ] Imperial

Well Owner's Information
Address of Well Location (Street Number/Name)
Township
Lot
Concession
County/District/Municipality
City/Town/Village
Province
Postal Code
UTM Coordinates
Zone Easting Northing
Municipal Plan and Sublot Number
Other

Overburden and Bedrock Materials/Abandonment Sealing Record
Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space
Table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³)

Results of Well Yield Testing
Table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level), Pumping rate, Duration of pumping, Final water level end of pumping, If flowing give rate, Recommended pump depth, Recommended pump rate, Well production, Disinfected?

Method of Construction
Well Use
List of construction methods and well uses with checkboxes.

Construction Record - Casing
Table with columns: Inside Diameter, Open Hole OR Material, Wall Thickness, Depth (m/ft) From, To; Status of Well

Construction Record - Screen
Table with columns: Outside Diameter, Material, Slot No., Depth (m/ft) From, To; Status of Well

Water Details
Hole Diameter
Table with columns: Water found at Depth, Kind of Water, Depth (m/ft) From, To, Diameter (cm/in)

Well Contractor and Well Technician Information
Business Name of Well Contractor
Well Contractor's Licence No.
Business Address (Street Number/Name)
Municipality
Province
Postal Code
Business E-mail Address

Name of Well Technician (Last Name, First Name)
Signature of Technician and/or Contractor
Date Submitted

Map of Well Location
Please provide a map below following instructions on the back.
SEE ATTACHED MAP

Well owner's information package delivered
Date Package Delivered
Date Work Completed
Ministry Use Only
Audit No.
NOV 08 2016



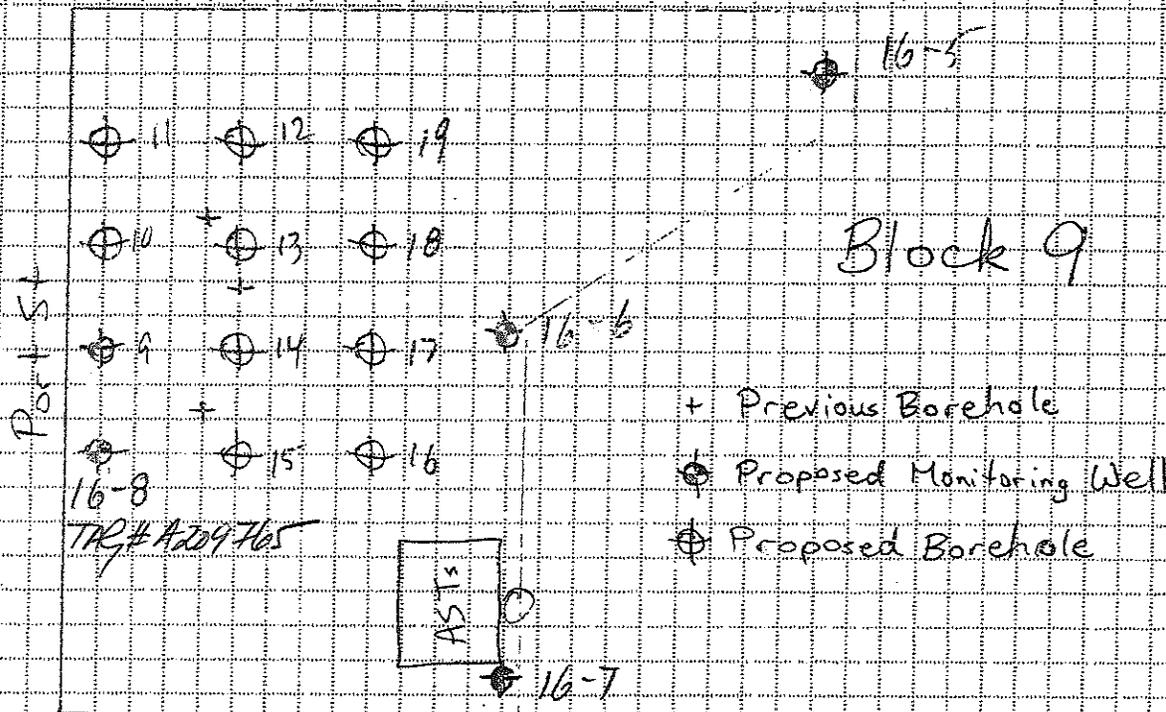
SUBJECT: Confidential - 1-Port St Investigation

Job No.: 1659406  
Ref.

Made by A Affleck  
Reviewed

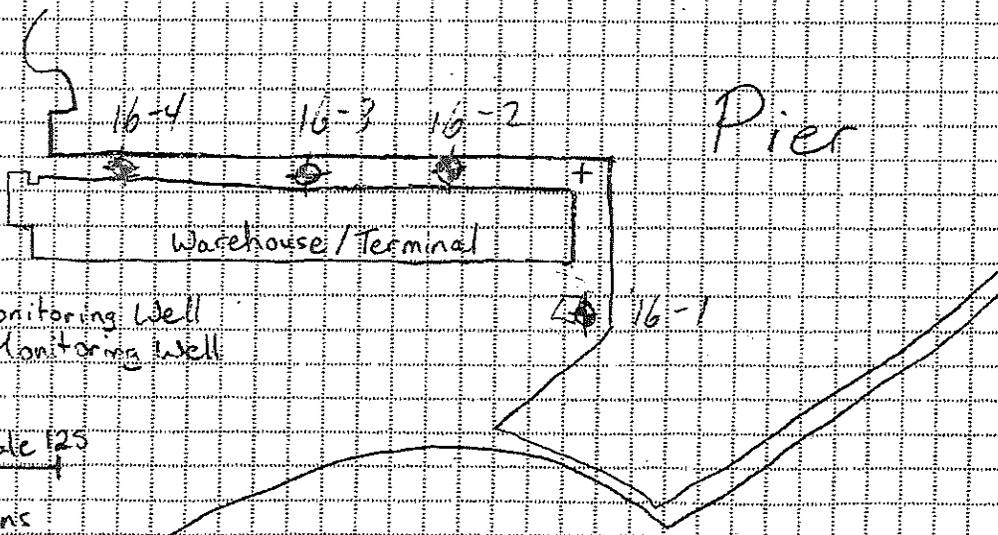
Date July 19, 2016  
Sheet 1 of 1

Helene St



Elizabeth St

Approx Scale 1:1000  
All locations approximate



+ Existing Monitoring Well  
◆ Proposed Monitoring Well

○ Approx. Scale 1:25

All locations approximate

C-6607 2-229245

NOV 08 2016



Measurements recorded in:  Metric  Imperial

A213503

Address of Well Location (Street Number/Name) 21 Park St E Township Toronto Lot \_\_\_\_\_ Concession \_\_\_\_\_

County/District/Municipality Peel City/Town/Village Port Credit Province Ontario Postal Code \_\_\_\_\_

UTM Coordinates Zone 17N Easting 614135 Northing 48123255 Municipal Plan and Sublot Number \_\_\_\_\_ Other \_\_\_\_\_

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)				
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
	Topsoil			0 5
Grey	Clay		Soft	5 15
Grey	Clay			15 20
	Clay with Gravel			20 30
	Limestone			30 49

Annular Space		
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 1	Concrete	
1 37	Holeplug	
37 49		

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level			
	1		1	
Pump intake set at (m/ft)	2		2	
Pumping rate (l/min / GPM)	3		3	
Duration of pumping ____ hrs + ____ min	4		4	
Final water level end of pumping (m/ft)	5		5	
If flowing give rate (l/min / GPM)	10		10	
	15		15	
Recommended pump depth (m/ft)	20		20	
	25		25	
Recommended pump rate (l/min / GPM)	30		30	
	40		40	
Well production (l/min / GPM)	50		50	
	60		60	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No				

Method of Construction		Well Use		
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole	<input checked="" type="checkbox"/> Monitoring
<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input type="checkbox"/> Other, specify _____		<input type="checkbox"/> Other, specify _____		

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
1	PVC		0	39	

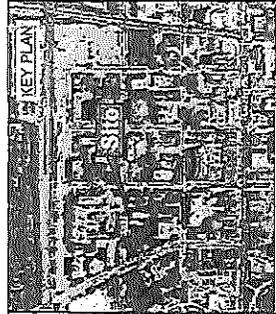
  

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
	PVC	10	39	49

Water Details		Hole Diameter		
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft) From	To	Diameter (cm/in)
		0	30	6 1/4
		30	35	4 1/2
		35	49	3 1/2

Well Contractor and Well Technician Information			
Business Name of Well Contractor <b>Aardvark Drilling Inc.</b>		Well Contractor's Licence No. <b>7 2 3 8</b>	
Business Address (Street Number/Name) <b>25-C Lewis Road</b>		Municipality <b>Guelph</b>	
Province <b>ON</b>	Postal Code <b>N1H1E9</b>	Business E-mail Address <b>www.aardvarkdrillinginc.com</b>	
Bus. Telephone No. (inc. area code) <b>5198269340</b>	Name of Well Technician (Last Name, First Name) <b>Stokes-Indriksons Kyle</b>		
Well Technician's Licence No. <b>3181715</b>	Signature of Technician and/or Contractor <i>[Signature]</i>	Date Submitted <b>2016/12/20</b>	

Map of Well Location		
Please provide a map below following instructions on the back.		
<p>Comments: <i>See Attached Map</i></p>		
Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D <b>2016/12/06</b>	<b>Ministry Use Only</b> Audit No. <b>2232728</b> <b>DEC 28 2016</b> Received



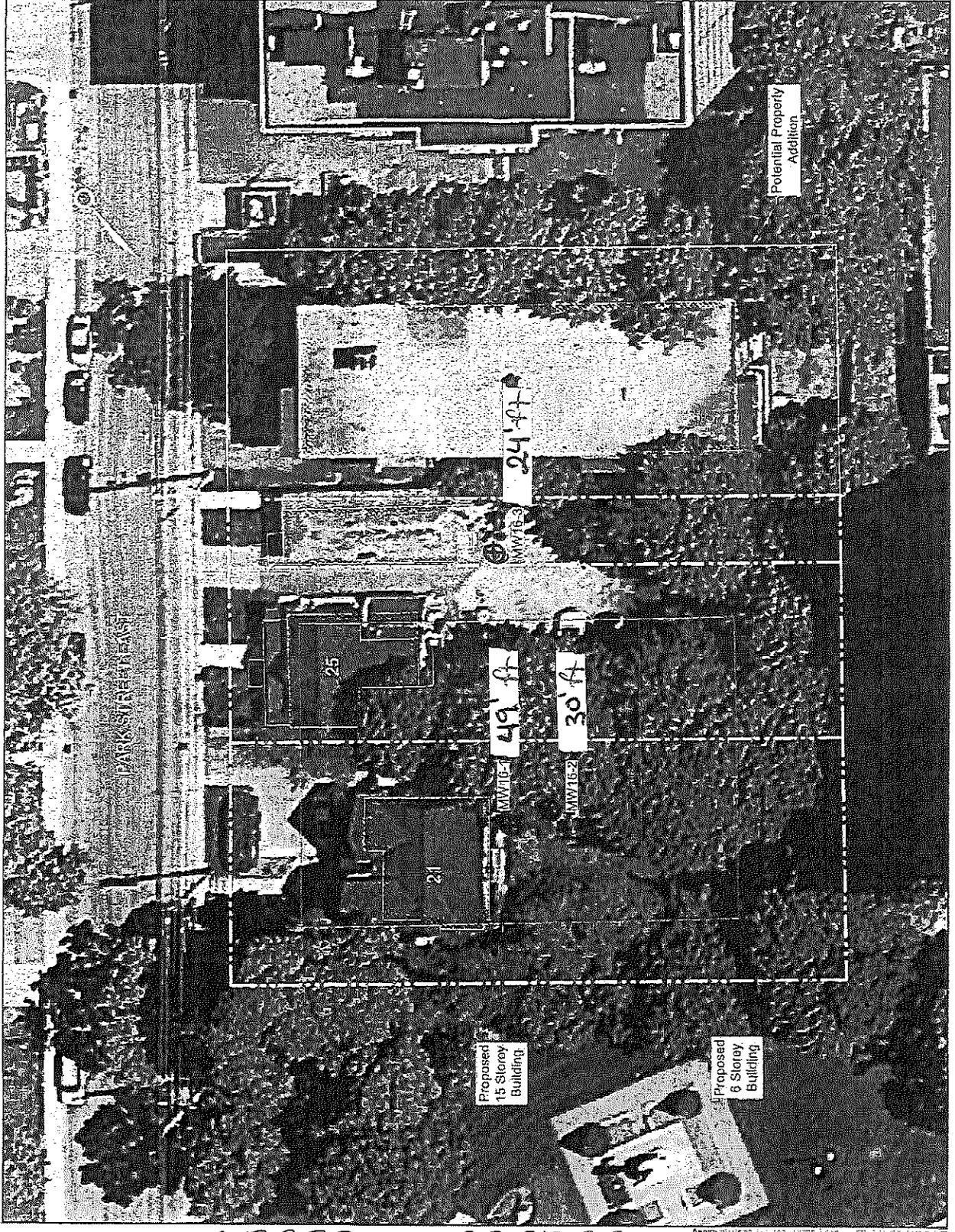
**LEGEND:**  
 PROPOSED BOREHOLE WITH MONITORING WELL LOCATION  
 PROPOSED BUILDING LAYOUT  
 EXISTING BUILDING  
 PROPERTY LINE  
 POTENTIAL PROPERTY ADDITION



**ARCADIS**  
 EDENSHAW DEVELOPMENTS LTD.

**PROPOSED GEO-ENVIRONMENTAL INVESTIGATION**  
 21-27 PARK STREET EAST, MISSISSAUGA, ON  
 PROPOSED MONITORING WELL LOCATION PLAN

DATE: NOV. 2016  
 DRAWN BY: R.B.G.  
 PROJECT NO.: 70281000  
 SHEET NO.: A2 BROWN



82723272 C-7238

Nov 22, 2016 - 10:17am - User: pldydy - 0051702811-000.mxd LOCATIONS.dwg

DEC 28 2016

A213501

 Measurements recorded in:  Metric  Imperial

Address of Well Location (Street Number/Name) 27 Park St E		Township Toronto	Lot	Concession
County/District/Municipality Peel		City/Town/Village Port Credit	Province Ontario	Postal Code
JTM Coordinates NAD 83	Zone 17T	Easting 61141148	Northing 48213274	Municipal Plan and Sublot Number

## Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	Topsoil			0	2.5
Brown	Clay		Soft	2.5	10
Grey	Clay	Trace silt		10	15
	Clay	Trace gravel		15	24
				24	24.5

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 - 1	Concrete	
1 - 12	Hole Plug	
12 - 24	Sand	

Method of Construction	Well Use
<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Rotary (Reverse) <input checked="" type="checkbox"/> Boring <input type="checkbox"/> Air percussion <input type="checkbox"/> Other, specify _____	<input type="checkbox"/> Public <input type="checkbox"/> Commercial <input type="checkbox"/> Not used <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal <input type="checkbox"/> Dewatering <input type="checkbox"/> Livestock <input type="checkbox"/> Test Hole <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Irrigation <input type="checkbox"/> Cooling & Air Conditioning <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify _____

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level			
	1		1	
	Pump intake set at (m/ft)	2		2
	Pumping rate (l/min / GPM)	3		3
	Duration of pumping ____ hrs + ____ min	4		4
	5		5	
Final water level end of pumping (m/ft)	10		10	
If flowing give rate (l/min / GPM)	15		15	
	20		20	
	Recommended pump depth (m/ft)	25		25
	Recommended pump rate (l/min / GPM)	30		30
	Well production (l/min / GPM)	40		40
	50		50	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	60		60	

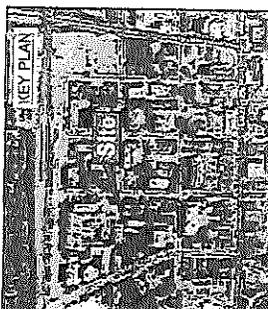
Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____	
2	PVC		0 - 14		

Construction Record - Screen			
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)
	PVC	10	14 - 24

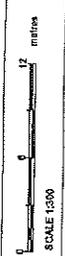
Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft)	Diameter (cm/in)
0		0 - 24.5	6 1/4

Well Contractor and Well Technician Information			
Business Name of Well Contractor Aardvark Drilling Inc.		Well Contractor's License No. 7 2 3 8	
Business Address (Street Number/Name) 5-C Lewis Road		Municipality Guelph	
Province ON	Postal Code N1H1E9	Business E-mail Address www.aardvarkdrillinginc.com	
Business Telephone No. (inc. area code) 519 826 9340		Name of Well Technician (Last Name, First Name) Stokes Kyle	
Well Technician's Licence No. 3 8 7 5		Signature of Technician and/or Contractor M. Stokes	
		Date Submitted 2016/12/20	

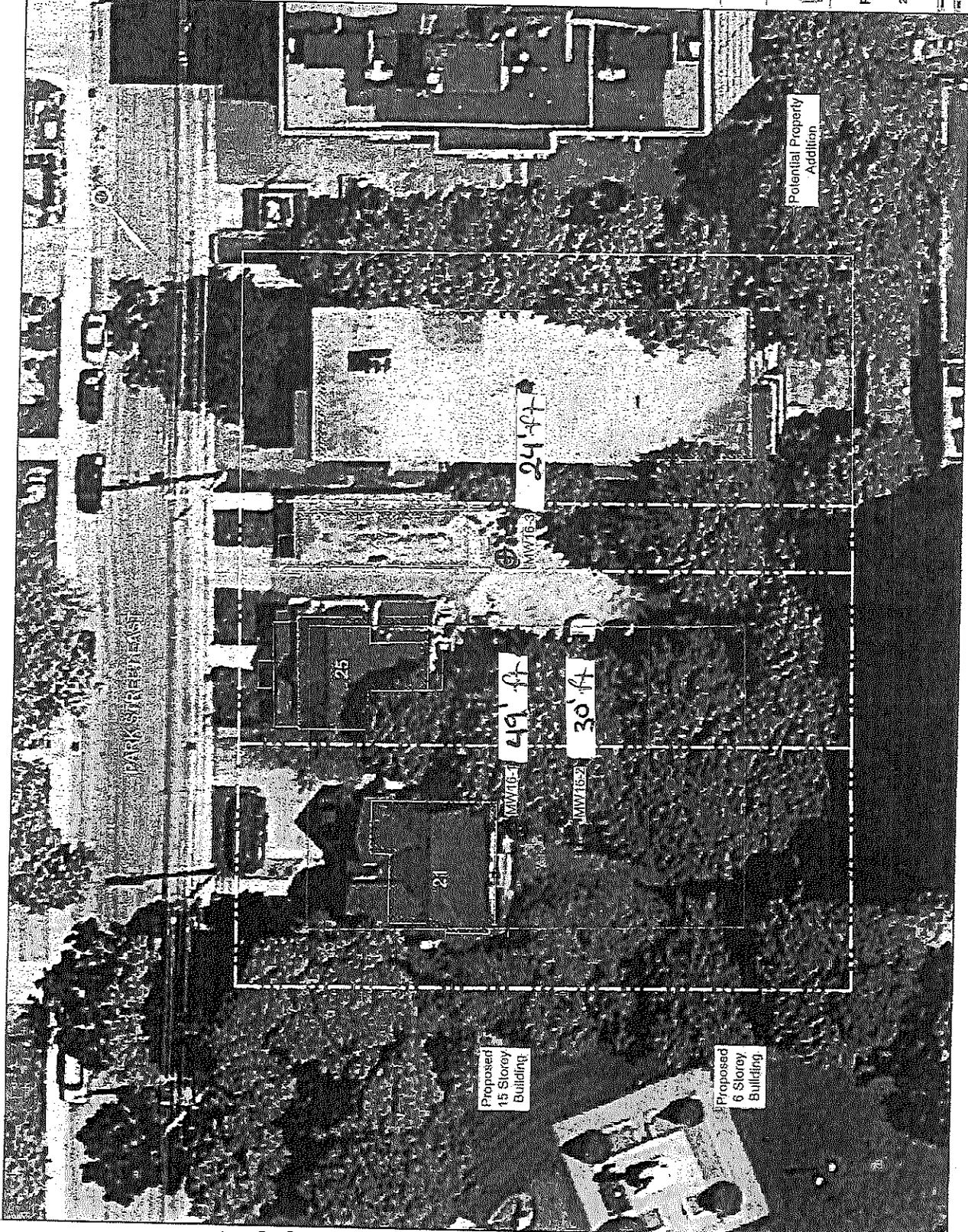
Map of Well Location	
Please provide a map below following instructions on the back.	
Comments: See Attached map	
Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D 2016/12/08
Date Work Completed 2016/12/08	
Ministry Use Only Audit No. 2232729 DEC 28 2016 Received	



- LEGEND:**
- PROPOSED BOREHOLE WITH MONITORING WELL LOCATION
  - PROPOSED BUILDING LAYOUT
  - EXISTING BUILDING
  - PROPERTY LINE
  - POTENTIAL PROPERTY ADDITION



**ARCADIS**  
 EDENSHAW DEVELOPMENTS LTD.  
**PROPOSED GEO-ENVIRONMENTAL INVESTIGATION**  
 21-27 PARK STREET EAST, MISSISSAUGA, ON  
 PROPOSED MONITORING WELL LOCATION PLAN  
 Project: 70311-000  
 Property: R.B.O.  
 Date: 18.2.  
 Rev: NOV. 2016  
 Date: AS BIDDING  
 Rev: 02/24/11-000-1



C-7238 Z-232729

Nov 22, 2016 - 10:17am - US2R plotdry  
 Z:\7030000\Eden\70311-000\703081-000.plt L0CA.TDMS.dwg

DEC 28 2016



Well Tag No. (Place Sticker and/or Print Below)
A213502

Measurements recorded in: Metric Imperial

Address of Well Location (Street Number/Name)
Township
Lot
Concession
County/District/Municipality
City/Town/Village
Province
Postal Code
JTM Coordinates
Zone
Easting
Northing
Municipal Plan and Sublot Number
Other

Overburden and Bedrock Materials/Abandonment Sealing Record
Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space
Table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³)

Results of Well Yield Testing
Table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level), Pumping rate, Duration of pumping, Final water level end of pumping, If flowing give rate, Recommended pump depth, Recommended pump rate, Well production, Disinfected?

Method of Construction
Well Use
List of options for construction methods and well uses.

Construction Record - Casing
Table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To, Status of Well

Construction Record - Screen
Table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To, Status of Well

Water Details
Table with columns: Water found at Depth (m/ft), Kind of Water (Fresh, Untested, Gas, Other), Hole Diameter (Depth, Diameter)

Well Contractor and Well Technician Information
Business Name of Well Contractor
Well Contractor's Licence No.
Business Address (Street Number/Name)
Municipality
Province
Postal Code
Business E-mail Address

Name of Well Technician (Last Name, First Name)
Well Technician's Licence No.
Signature of Technician and/or Contractor
Date Submitted

Map of Well Location
Please provide a map below following instructions on the back.
Comments: See Attached Map
Ministry Use Only
Audit No. 2232730
DEC 28 2016
Received



Measurements recorded in: Metric Imperial

Well Owner's Information
Well Name: Kamloops Developments Inc.
Municipality: Toronto
Province: ON
Postal Code: M3J5B7

Well Location
Address of Well Location: 104 Lakeshore Rd West
Township: Port Credit
City/Town/Village: Port Credit
Province: Ontario
Postal Code:
Municipal Plan and Sublot Number:
Other WKQ-009638 A0-A05

Soil and Bedrock Materials/Abandonment Sealing Record
Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space
Table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used; Volume Placed (m³/ft³)

Method of Construction
Well Use
Options: Cable Tool, Rotary, Boring, etc.

Construction Record - Casing
Table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To

Construction Record - Screen
Table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To

Water Details
Hole Diameter
Table with columns: Water found at Depth (m/ft), Kind of Water, Depth (m/ft) From, To, Diameter (cm/in)

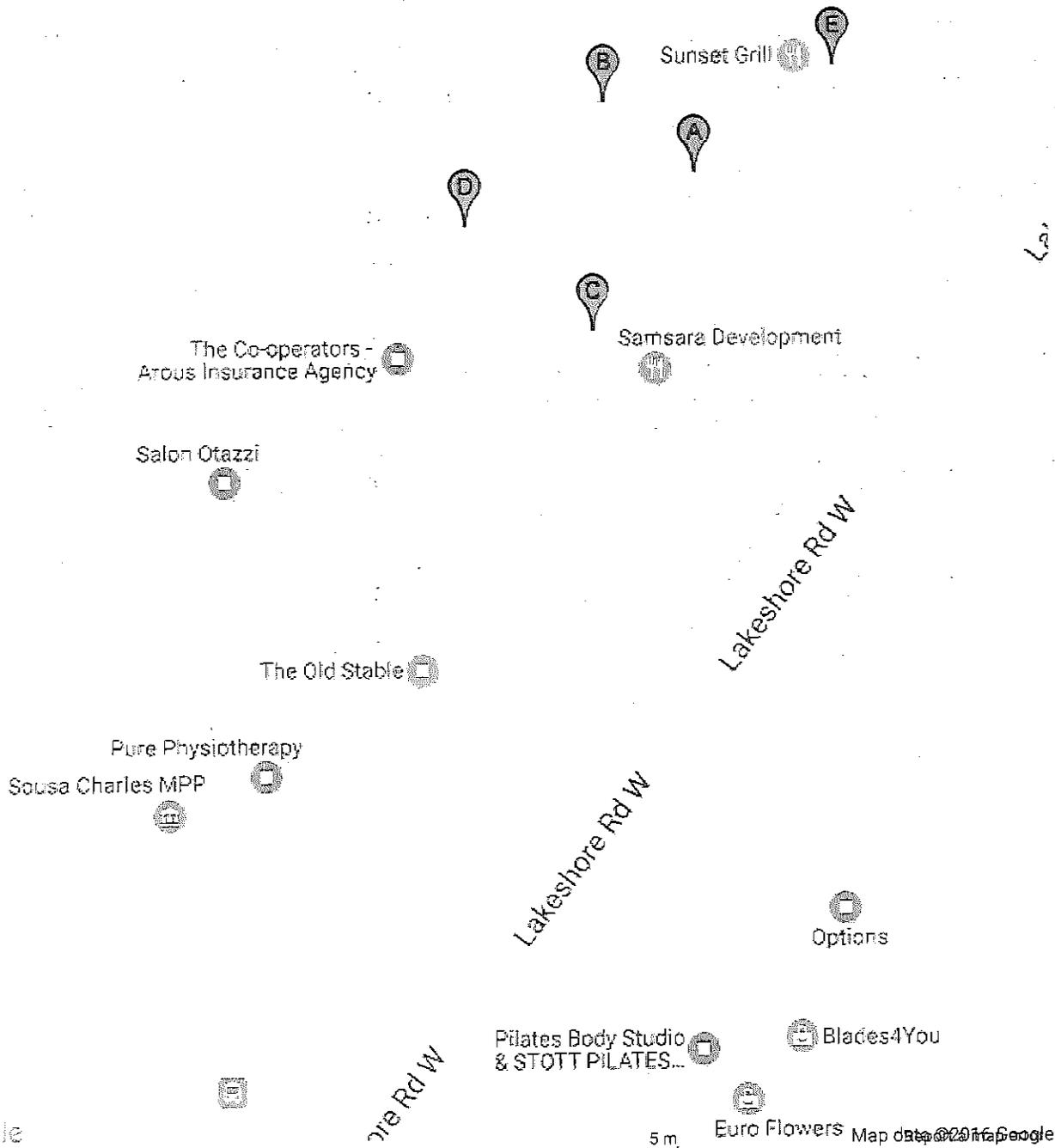
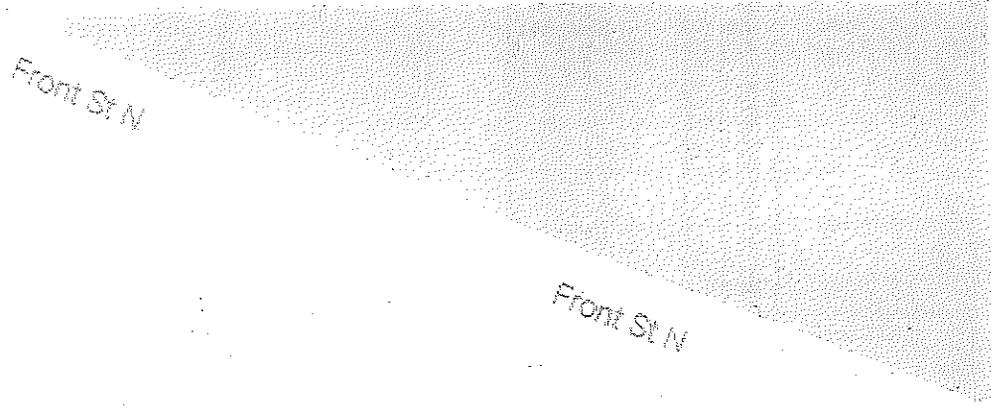
Well Contractor and Well Technician Information
Business Name: Strata Soil Sampling Inc.
Municipality: Markham

Results of Well Yield Testing
Table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level)

Map of Well Location
Please provide a map below following instructions on the back.
See My (A)

Well Contractor and Well Technician Information (continued)
Business Address: 165 Shields Court
Province: Ontario
Postal Code: L3R 8V2
Business E-mail Address: wrecords@stratasoil.com

Ministry Use Only
Audit No: 2250909
Date Package Delivered:
Date Work Completed: 2016/12/29



Google

<http://www.geoplaner.com/>

FEB 02 2017

G-FULL  
7250909

22/12/2016



Well Tag No. (Place Sticker and/or Print Below)
A185637

Measurements recorded in: Metric Imperial

Well Owner's Information

First Name, Last Name / Organization (Lampsis Developments Inc.), E-mail Address, Mailing Address (38 Kamloops Drive), Municipality (Toronto), Province (ON), Postal Code (M3J3B7), Telephone No.

Well Location

Address of Well Location (104 Lakeshore Rd West), Township, Lot, Concession, City/Town/Village (Port Credit), Province (Ontario), Postal Code, Other WKQ-009638, A0-A05

Overburden and Bedrock Materials/Abandonment Sealing Record

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Includes entries for Bleck, Brown, and Sand.

Annular Space table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used, Volume Placed (m³/ft³). Includes entries for Sand, Bentonite, and Flushment.

Method of Construction and Well Use checkboxes. Includes options like Cable Tool, Rotary, Boring, and various well uses such as Public, Commercial, Domestic, etc.

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To. Includes entry for PVC casing.

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To. Includes entry for PVC screen.

Water Details and Hole Diameter tables. Includes columns for Water found at Depth, Kind of Water, and Hole Diameter (Depth, Diameter).

Well Contractor and Well Technician Information. Includes Business Name (Strata Soil Sampling Inc.), Business Address (165 Shields Court), and Well Technician Name (Mike).

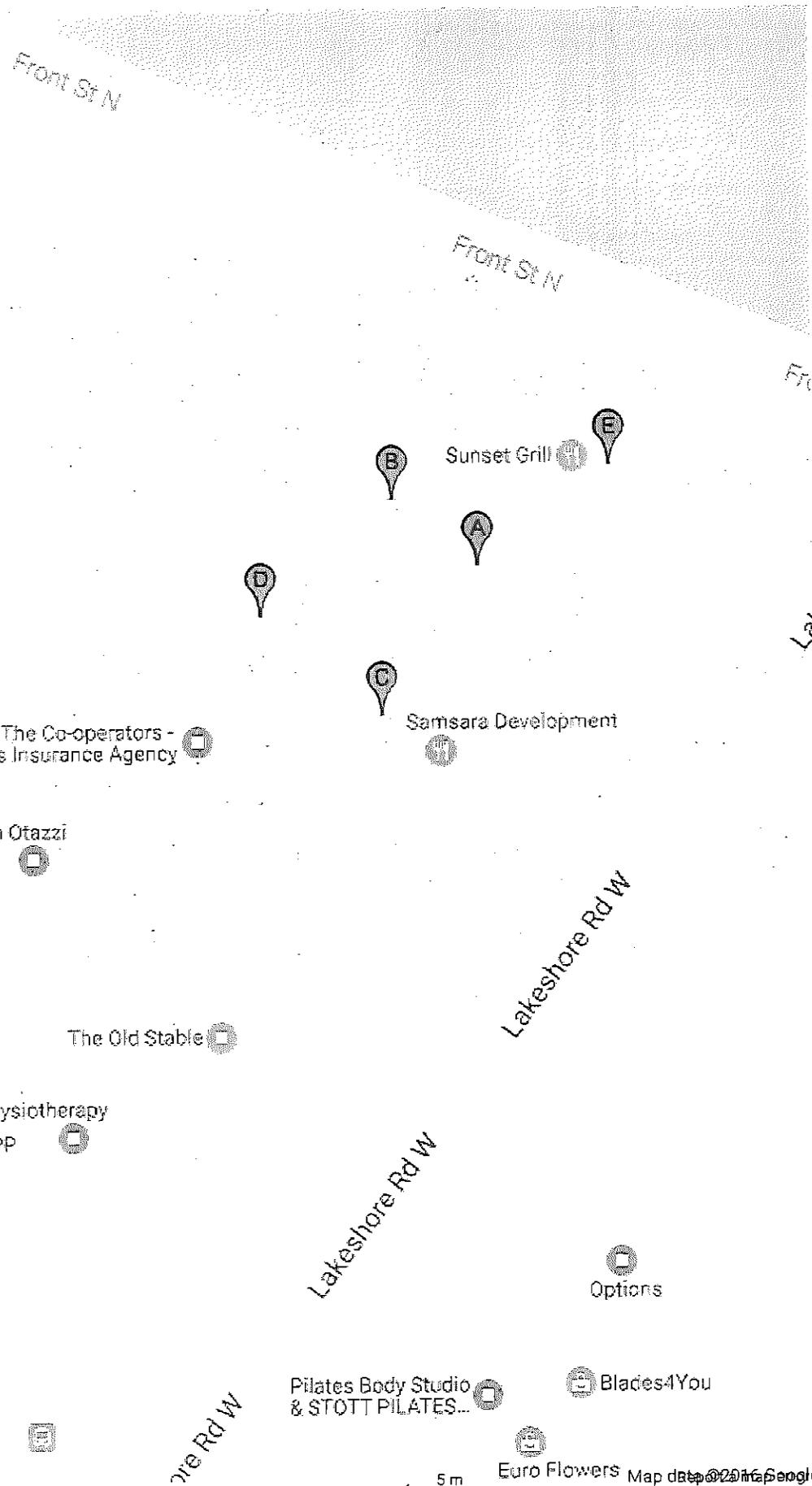
Results of Well Yield Testing table. Includes columns for Draw Down (Time, Water Level) and Recovery (Time, Water Level). Includes notes on pumping rate and duration.

Map of Well Location

Please provide a map below following instructions on the back. See map (B). General contractor: Winchurch Environmental.

Well owner's information package delivered checkboxes and Date Work Completed (2016/12/22).

Ministry Use Only section. Includes Audit No. 7250910, Date Package Delivered, and Date Work Completed.



Go gle

<http://www.geoplaner.com/>

FEB 02 2017

*CJULY*  
*ELSO910*

22/12/2016



S-19591

A185638

Measurements recorded in:  Metric  Imperial

Well Owner's Information

First Name, Last Name / Organization, E-mail Address, Vailing Address (Street Number/Name), Municipality, Province, Postal Code, Telephone No. (inc. area code)

Well Location

Address of Well Location (Street Number/Name), Township, Lot, Concession, County/District/Municipality, City/Town/Village, Province, Postal Code, UTM Coordinates, Zone, Easting, Northing, Municipal Plan and Sublot Number, Other WKQ-009638 A0-A05

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space

Table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³)

Results of Well Yield Testing

Table with columns: After test of well yield, water was, Draw Down, Recovery, Pump intake set at (m/ft), Pumping rate (l/min / GPM), Duration of pumping, Final water level end of pumping (m/ft), If flowing give rate (l/min / GPM), Recommended pump depth (m/ft), Recommended pump rate (l/min / GPM), Well production (l/min / GPM), Disinfected?

Method of Construction

Method of Construction (Cable Tool, Rotary, etc.), Well Use (Public, Commercial, etc.), Other, specify

Construction Record - Casing

Table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To, Status of Well

Construction Record - Screen

Table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To

Water Details

Table with columns: Water found at Depth (m/ft), Kind of Water, Hole Diameter (Depth (m/ft) From, To, Diameter (cm/in))

Well Contractor and Well Technician Information

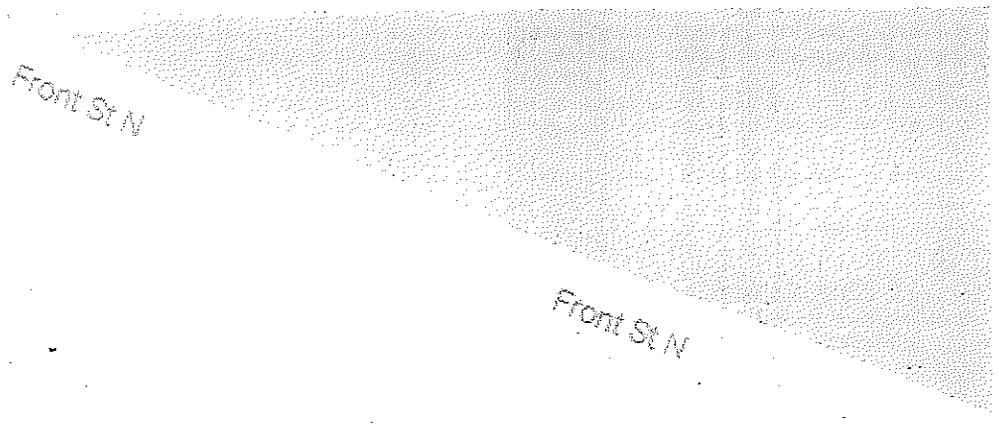
Business Name of Well Contractor, Business Address, Province, Postal Code, Business E-mail Address, Bus. Telephone No. (inc. area code), Name of Well Technician, Well Technician's Licence No., Signature of Technician and/or Contractor, Date Submitted

Map of Well Location

Please provide a map below following instructions on the back. See Map (handwritten note)

Well owner's information package delivered, Date Package Delivered, Date Work Completed, Ministry Use Only (Audit No. 2250911)

S-19591



The Co-operators - Arous Insurance Agency

Salon Otazzi

The Old Stable

Pure Physiotherapy

Sousa Charles MPP

Pilates Body Studio & STOTT PILATES

Blades4You

Euro Flowers

Options

5m Map data ©2016 Google

Google

FEB 02 2017

http://www.geoplaner.com/

C-7241 280911

22/12/2016

A185639

S-19591

Measurements recorded in:  Metric  Imperial

Page \_\_\_\_\_ of \_\_\_\_\_

Well Owner's Information

First Name, Last Name / Organization (Lampsis Developments Inc.), E-mail Address, Mailing Address (38 Kamloops Drive), Municipality (Toronto), Province (ON), Postal Code (M3J1B3R7), Telephone No.

Well Location

Address of Well Location (104 Lakeshore Rd West), Township, Lot, Concession, County/District/Municipality (Port Credit), City/Town/Village (Port Credit), Province (Ontario), Postal Code, UTM Coordinates (NAD 83 17 61 49 68 48 22 87 0), Municipal Plan and Sublot Number, Other WKQ-009638 A 0 - A 05

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Includes entries for Ashphalt, Fill, and Sand.

Annular Space table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³). Includes entries for Sand, Bentonite, and Flushment.

Method of Construction and Well Use section with checkboxes for Cable Tool, Rotary, Boring, etc., and Public, Commercial, etc. Well Use.

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To. Includes entry for PUC, 0.125", 2' 0'.

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To. Includes entry for PUC, 10, 13' 2'.

Water Details and Hole Diameter section with columns: Water found at Depth (m/ft), Kind of Water, Depth (m/ft) From, To, Diameter (cm/in). Includes entry for 13' 0' 2.25".

Well Contractor and Well Technician Information section with fields for Business Name (Strata Soil Sampling Inc.), Business Address (165 Shields Court), Municipality (Markham), and Well Contractor's Licence No. (7241).

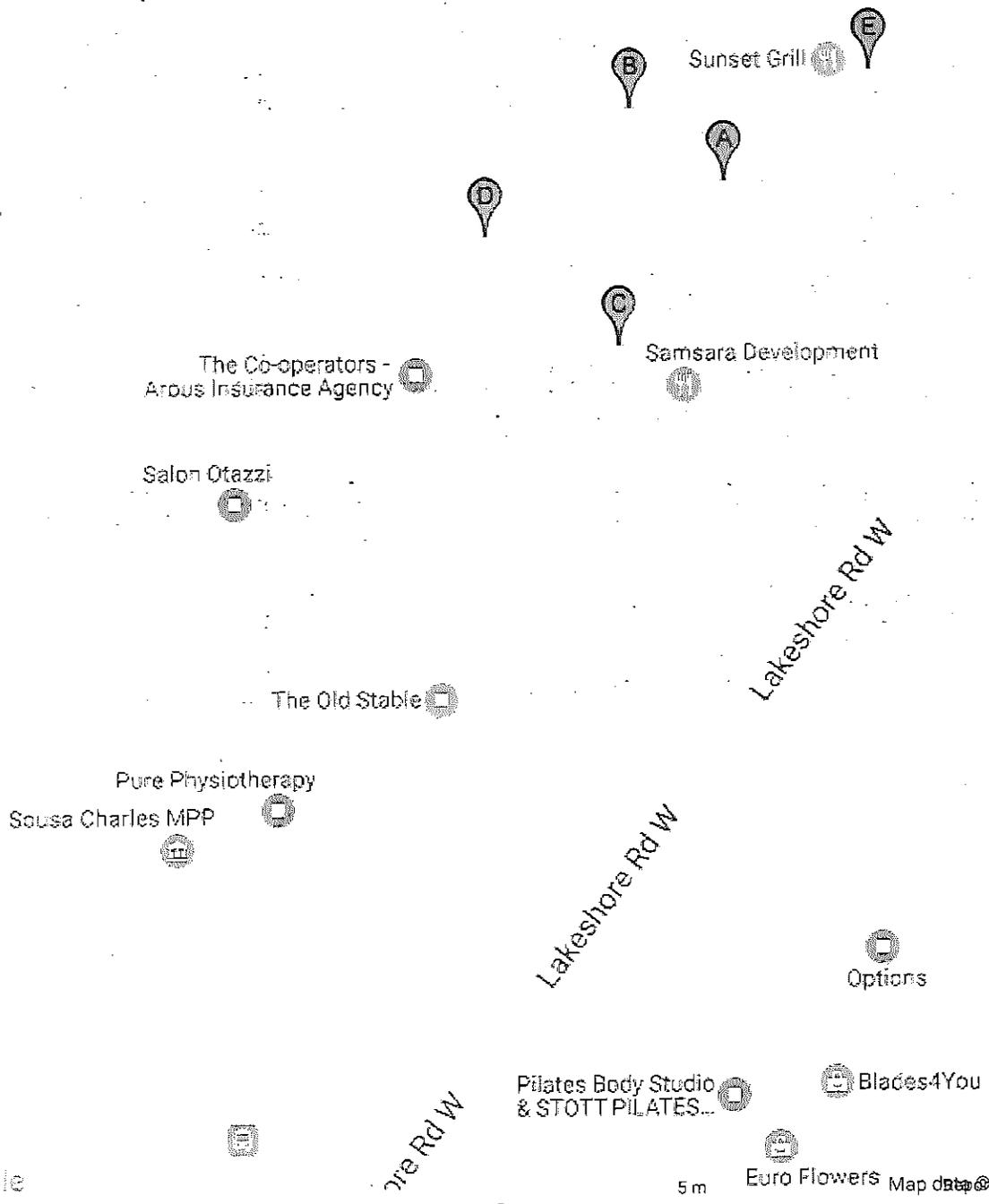
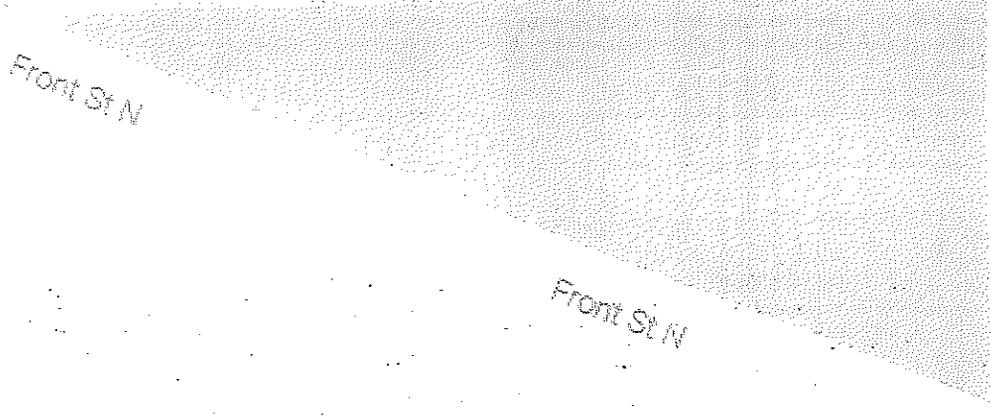
Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Includes data for pumping rate, duration, and final water level.

Map of Well Location section with text: Please provide a map below following instructions on the back. Includes handwritten note 'See Map' and a circled 'D'.

Well Technician Information section with fields for Business Telephone No. (905-764-9304), Name of Well Technician (Muir, Mike), Well Technician's Licence No. (3448), and Signature.

Ministry Use Only section with fields for Audit No. (250912), Date Package Delivered, Date Work Completed (20161222), and Received date (FEB 02 2017).

S-19591



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<http://www.geoplaner.com/>

FEB 02 2017

*Handwritten signatures and initials: C-7241, 20509R*

22/12/2016



Measurements recorded in:  Metric  Imperial

Page \_\_\_\_\_ of \_\_\_\_\_

A185640

Well Owner's Information

First Name \_\_\_\_\_ Last Name / Organization Lampsis Developments Inc. E-mail Address \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name) 38 Kamloops Drive Municipality Toronto Province ON Postal Code M3J3K7 Telephone No. (inc. area code) \_\_\_\_\_

Well Location

Address of Well Location (Street Number/Name) 104 Lakeshore Rd West Township \_\_\_\_\_ Lot \_\_\_\_\_ Concession \_\_\_\_\_

County/District/Municipality \_\_\_\_\_ City/Town/Village Port Credit Province Ontario Postal Code \_\_\_\_\_

UTM Coordinates Zone Easting Northing NAD 83 1761409114822880 Municipal Plan and Sublot Number \_\_\_\_\_ Other WKQ=009638 A 0 - A 05

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with 5 columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From To. Contains handwritten entries for soil and sand layers.

Annular Space table with 4 columns: Depth Set at (m/ft) From To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³). Contains handwritten entries for sand, bentonite, and flushment.

Results of Well Yield Testing table with columns for Draw Down (Time, Water Level) and Recovery (Time, Water Level). Includes checkboxes for well status and pumping details.

Method of Construction and Well Use table with checkboxes for various construction methods (Cable Tool, Rotary, Boring, etc.) and well uses (Public, Commercial, etc.).

Construction Record - Casing table with columns for Inside Diameter, Open Hole OR Material, Wall Thickness, Depth (m/ft) From To, and Status of Well.

Construction Record - Screen table with columns for Outside Diameter, Material, Slot No., and Depth (m/ft) From To.

Water Details and Hole Diameter table with columns for Water found at Depth, Kind of Water, and Hole Diameter (Depth, Diameter).

Well Contractor and Well Technician Information: Business Name of Well Contractor Strata Soil Sampling Inc. Well Contractor's Licence No. 7 2 4 1

Business Address (Street Number/Name) 165 Shields Court Municipality Markham

Province Ontario Postal Code L3R 8V2 Business E-mail Address wrecords@stratasoil.com

Bus. Telephone No. (inc. area code) 905-764-9304 Name of Well Technician (Last Name, First Name) Muir, Mike

Well Technician's Licence No. 3448 Signature of Technician and/or Contractor [Signature] Date Submitted Feb 20/2017

Map of Well Location: Please provide a map below following instructions on the back. See Map (E)

Comments: General contractor: Winchurch Environmental

Well owner's information package delivered  Yes  No Date Package Delivered \_\_\_\_\_ Date Work Completed 2016/12/22 Ministry Use Only: Audit No. 2250913 FEB 02 2017

Front St N

Front St N

Fr

La

B

Sunset Grill

E

A

D

C

Samsara Development

The Co-operators -  
Arous Insurance Agency

Salon Otazzi

The Old Stable

Lakeshore Rd W

Pure Physiotherapy

Sousa Charles MPP

Lakeshore Rd W

Options

W

Pilates Body Studio  
& STOTT PILATES...

Blades4You

Go gle

E

5 m

Euro Flowers

Map data © 2016 Google

<http://www.geoplaner.com> © 2017

*C-744*  
*EB09B*

22/12/2016

Measurements recorded in:  Metric  Imperial

**Well Owner's Information**

First Name	Last Name / Organization <b>SCOTIA BANK</b>	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name) <b>44 KING STREET WEST</b>	Municipality <b>TORONTO</b>	Province <b>ON</b>	Postal Code <b>M5H 1H1</b>
Telephone No. (inc. area code)			

**Well Location**

Address of Well Location (Street Number/Name) <b>158 LAKESHORE RD E</b>	Township <b>Toronto</b>	Lot <b>A</b>	Concession <b>Range 1</b>
County/District/Municipality <b>PEEL (Mississauga)</b>	City/Town/Village <b>MISSISSAUGA</b>	Province <b>Ontario</b>	Postal Code <b>L5G 1E9</b>
UTM Coordinates Zone: <b>18</b> Easting: <b>317614608</b> Northing: <b>4823609</b>	Municipal Plan and Sublot Number	Other	

**Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
	<b>DECOMMISSIONED PER MOE 903 21</b>				
	<b>ALL WELL MATERIALS REMOVED</b>				
	<b>SEALED ENTIRE DEPTH</b>				

Annular Space		
Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)
<b>0.0</b>	<b>2.4</b>	<b>SEALONITE</b>
	<b>2.4</b>	<b>EOM</b>

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level			
	1		1	
Pump intake set at (m/ft)	2		2	
Pumping rate (l/min / GPM)	3		3	
Duration of pumping hrs + min	4		4	
Final water level end of pumping (m/ft)	5		5	
If flowing give rate (l/min / GPM)	10		10	
	15		15	
Recommended pump depth (m/ft)	20		20	
	25		25	
Recommended pump rate (l/min / GPM)	30		30	
	40		40	
Well production (l/min / GPM)	50		50	
	60		60	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No				

Method of Construction		Well Use		
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input type="checkbox"/> Other, specify _____		<input type="checkbox"/> Other, specify _____		

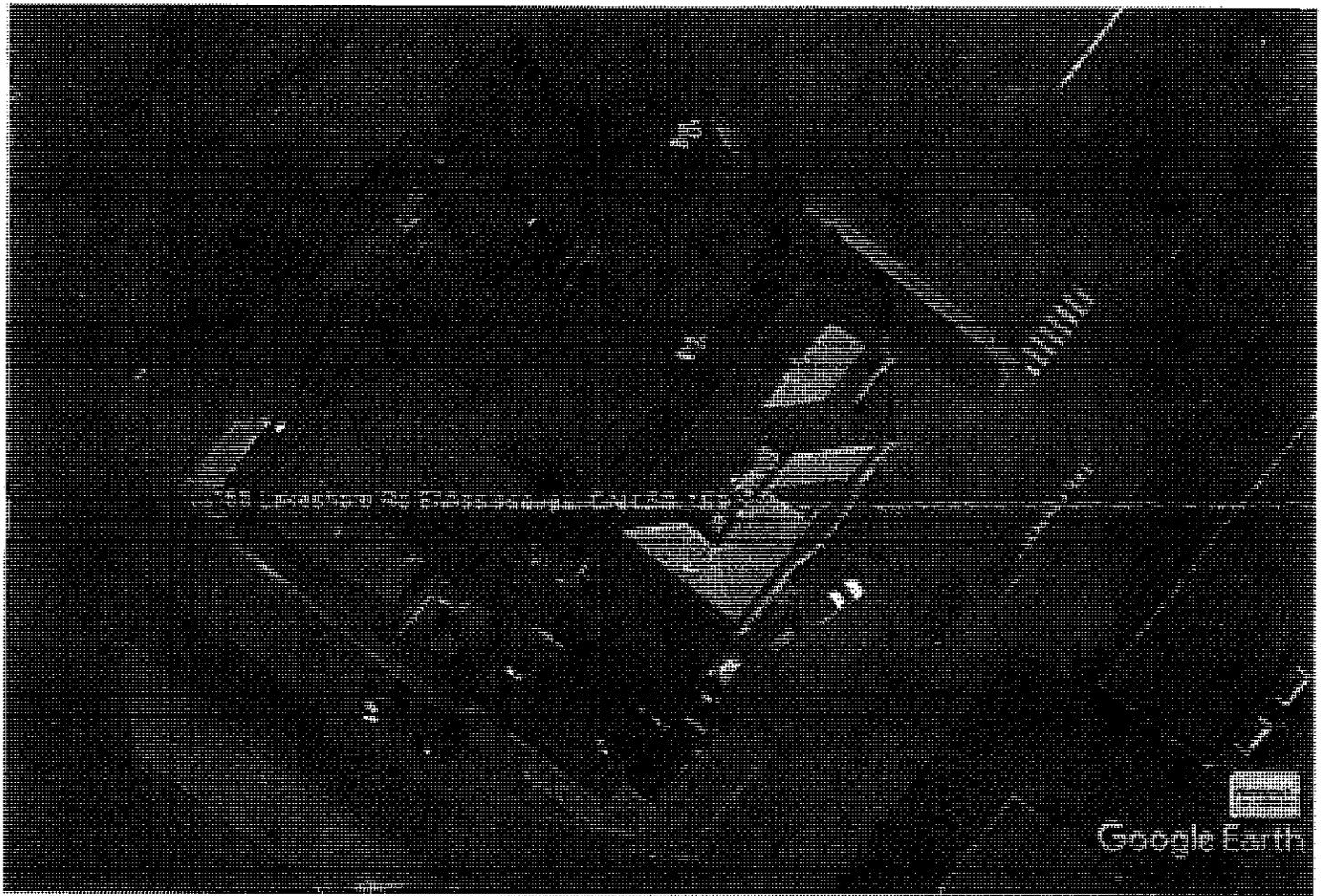
Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify <b>COST REDUCT</b> <input type="checkbox"/> Other, specify _____
			From	To	
<b>5.0</b>	<b>PVC</b>		<b>0.0</b>	<b>0.9</b>	

Construction Record - Screen					
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		<input checked="" type="checkbox"/> Abandoned, other, specify <b>COST REDUCT</b> <input type="checkbox"/> Other, specify _____
			From	To	
<b>6.3</b>	<b>PVC</b>	<b>0.010"</b>	<b>0.9</b>	<b>2.4</b>	

Water Details		Hole Diameter	
Water found at Depth <b>1.5</b> (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft) From	To
<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____			
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____			
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____			

Well Contractor and Well Technician Information			
Business Name of Well Contractor <b>SONIC SOIL SAMPLING INC.</b>	Well Contractor's Licence No. <b>7 1 4 7</b>		
Business Address (Street Number/Name) <b>668 MILLWAY AVENUE</b>	Municipality <b>YORK</b>		
Province <b>ONTARIO</b>	Postal Code <b>L4K 3V2</b>	Business E-mail Address <b>sonic@sonicsoil.com</b>	
Bus. Telephone No. (inc. area code) <b>905 660 0501</b>	Name of Well Technician (Last Name, First Name) <b>ARCHIBALD, ALAN</b>		
Well Technician's Licence No. <b>2 8 8 1</b>	Signature of Technician and/or Contractor <i>[Signature]</i>	Date Submitted <b>20170328</b>	

Map of Well Location		
Please provide a map below following instructions on the back.		
<b>MAP ATTACHED</b>		
Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered YYYYMMDD <b>20170328</b>	Date Work Completed YYYYMMDD <b>20170328</b>
Ministry Use Only Audit No. <b>2246111</b>		APR 07 2017



Google Earth

feet  
meters



APR 07 2017

C-7147  
2246111

Measurements recorded in:  Metric  Imperial

Well Owner's Information

First Name: \_\_\_\_\_ Last Name / Organization: **SOUTHANK ASK ESTATE** E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **44 KING STREET WEST** Municipality: **TORONTO** Province: **ON** Postal Code: **M5H 4H1** Telephone No. (inc. area code): \_\_\_\_\_

Well Location

Address of Well Location (Street Number/Name): **158 LAKESHORE RD E** Township: **Toronto** Lot: **A** Concession: **Range 1**

County/District/Municipality: **PEEL (Mississauga)** City/Town/Village: **MISSISSAUGA** Province: **Ontario** Postal Code: **L5G 1E9**

UTM Coordinates: Zone: **18** Easting: **8317674610** Northing: **4823569** Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
				From To
	DECOMMISSIONED PER MOE REG 903.21			
	ALL WELL MATERIALS REMOVED			
	SEALED ENTIRE DEPTH			

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From To		
0.0 0.2	CONCRETE	
0.2 1.99	BENTONITE	
	1.99 EOL	

Method of Construction	Well Use
<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Rotary (Reverse) <input type="checkbox"/> Boring <input type="checkbox"/> Air percussion <input type="checkbox"/> Other, specify _____	<input type="checkbox"/> Public <input type="checkbox"/> Commercial <input type="checkbox"/> Not used <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal <input type="checkbox"/> Dewatering <input type="checkbox"/> Livestock <input type="checkbox"/> Test Hole <input type="checkbox"/> Monitoring <input type="checkbox"/> Irrigation <input type="checkbox"/> Cooling & Air Conditioning <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify _____

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
7.2	PVC		0.0	0.6	

Construction Record - Screen				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		
			From	To	
4.3	PVC	0.010"	0.6	1.95	<input checked="" type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

Water Details		Hole Diameter	
Water found at Depth: <b>0.15</b> (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		From To	
Water found at Depth: _____ (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____			
Water found at Depth: _____ (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____			

Well Contractor and Well Technician Information

Business Name of Well Contractor: **SONIC SOIL SAMPLING INC.** Well Contractor's Licence No.: **7 1 4 7**

Business Address (Street Number/Name): **668 MILLWAY AVENUE** Municipality: **YORK**

Province: **ONTARIO** Postal Code: **L4K 3V2** Business E-mail Address: **sonic@sonicsoil.com**

Bus. Telephone No. (inc. area code): **905 660 0501** Name of Well Technician (Last Name, First Name): **ARCHIBALD, ALAN**

Well Technician's Licence No.: **2 8 8 1** Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: **20170328**

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: Static Level	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
If flowing give rate (l/min / GPM)	15		15	
	20		20	
	25		25	
	30		30	
Recommended pump depth (m/ft)	30		30	
	40		40	
Recommended pump rate (l/min / GPM)	50		50	
	60		60	
Well production (l/min / GPM)				
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No				

Map of Well Location

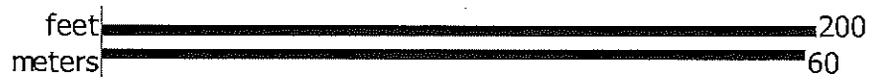
Please provide a map below following instructions on the back.

Comments: **Map Attached**

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered	Ministry Use Only Audit No. <b>2246110</b>
	Date Work Completed	
	<b>20170328</b>	APR 07 2017



Google Earth



APR 07 2017

C-7K17  
7246110

Measurements recorded in:  Metric  Imperial

**Well Owner's Information**

First Name: \_\_\_\_\_ Last Name / Organization: **SCOTABANK REAL ESTATE** E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **44 KING STREET WEST** Municipality: **TORONTO** Province: **ON** Postal Code: **M5H 1H1** Telephone No. (inc. area code): \_\_\_\_\_

**Well Location**

Address of Well Location (Street Number/Name): **158 LAURESHORE ROAD EAST** Township: **Toronto** Lot: **A** Concession: **Range 1**

County/District/Municipality: **PEEL (Mississauga)** City/Town/Village: **MISSISSAUGA** Province: **Ontario** Postal Code: **L5G 1E9**

UTM Coordinates: Zone **17U** Easting **614609** Northing **4823589** Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

**Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
	<b>- DECOMMISSIONED PER MORE REG 903-21</b>				
	<b>- ALL WELL MATERIALS REMOVED</b>				
	<b>- SEALED ENTIRE DEPTH</b>				

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )	
		From	To
0.0	<b>BENTONITE</b>	4.2	
	<b>EDH</b>	4.2	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: Static Level	1		1	
	2		2	
Pump intake set at (m/ft)	3		3	
Pumping rate (l/min / GPM)	4		4	
Duration of pumping hrs + min	5		5	
Final water level end of pumping (m/ft)	10		10	
If flowing give rate (l/min / GPM)	15		15	
	20		20	
Recommended pump depth (m/ft)	25		25	
Recommended pump rate (l/min / GPM)	30		30	
Well production (l/min / GPM)	40		40	
	50		50	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	60		60	

Method of Construction		Well Use		
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input type="checkbox"/> Other, specify _____		<input type="checkbox"/> Other, specify _____		

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify <b>CST REQUEST</b> <input type="checkbox"/> Other, specify _____
			From	To	
5.0	<b>PVC</b>		0.0	3.0	

Construction Record - Screen					
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		<input type="checkbox"/> Other, specify _____
			From	To	
6.3	<b>PVC</b>	0.010"	3.0	4.2	

Water Details		Hole Diameter	
Water found at Depth: <b>1.5 (m/ft)</b> <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft) From: _____ To: _____	Diameter (cm/in): _____
Water found at Depth: _____ <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
Water found at Depth: _____ <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **SONIC SOIL SAMPLING INC.** Well Contractor's Licence No.: **7147**

Business Address (Street Number/Name): **668 MILLWAY AVENUE** Municipality: **YORK**

Province: **ONTARIO** Postal Code: **L4K 3V2** Business E-mail Address: **sonic@sonicsoil.com**

Bus. Telephone No. (inc. area code): **905 660 0501** Name of Well Technician (Last Name): **ARCHIBALD, ALAN**

Well Technician's Licence No.: **2881** Signature of Technician and/or Contractor: *[Signature]* Submitted: **20170128**

**Map of Well Location**

Please provide a map below following instructions on the back.

Comments: **MAP ATTACHED.**

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D	Ministry Use Only Audit No. <b>2246113</b>
	Date Work Completed Y Y M M D D	
	<b>20170328</b>	Received: <b>APR 07 2017</b>



Google Earth

Google Earth



APR 07 2017

C-747  
Z246113

Measurements recorded in:  Metric  Imperial

**Well Owner's Information**

First Name: \_\_\_\_\_ Last Name / Organization: **SCOTIA BANK REAL ESTATE** E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **44 KING STREET WEST** Municipality: **TORONTO** Province: **ONTARIO** Postal Code: **M5H1H1** Telephone No. (inc. area code): \_\_\_\_\_

**Well Location**

Address of Well Location (Street Number/Name): **158 LAKESHORE RD E** Township: **Toronto** Lot: **A** Concession: **Range 1**

County/District/Municipality: **PEEL (Mississauga)** City/Town/Village: **MISSISSAUGA** Province: **Ontario** Postal Code: **L5G1E9**

UTM Coordinates: Zone: **18** Easting: **317614** Northing: **6164823578** Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

**Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
				From To
	<b>DECOMMISSIONED PER MOR REG 903.21</b>			
	<b>ALL WELL MATERIALS REMOVED</b>			
	<b>SEALED ENTIRE DEPTH</b>			

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
From To		
0.0 0.2	<b>CONCRETE</b>	
0.2 2.1	<b>BENTONITE</b>	
	<b>SDM</b>	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: Static Level	1		1	
	2		2	
Pump intake set at (m/ft)	3		3	
Pumping rate (l/min / GPM)	4		4	
Duration of pumping hrs + min	5		5	
Final water level end of pumping (m/ft)	10		10	
If flowing give rate (l/min / GPM)	15		15	
	20		20	
Recommended pump depth (m/ft)	25		25	
Recommended pump rate (l/min / GPM)	30		30	
Well production (l/min / GPM)	40		40	
	50		50	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	60		60	

Method of Construction		Well Use		
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input type="checkbox"/> Other, specify _____		<input type="checkbox"/> Other, specify _____		

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify <b>CUST. REQUEST</b> <input type="checkbox"/> Other, specify _____
			From	To	
3.2	<b>PVC</b>		0.0	0.6	

Construction Record - Screen					
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		<input checked="" type="checkbox"/> Abandoned, other, specify <b>CUST. REQUEST</b> <input type="checkbox"/> Other, specify _____
			From	To	
4.3	<b>PVC</b>	0.010'	0.6	2.1	

Water Details		Hole Diameter	
Water found at Depth: <b>0.15</b> (m/ft) <input type="checkbox"/> Gas	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested <input type="checkbox"/> Other, specify _____	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth: _____ (m/ft) <input type="checkbox"/> Gas	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Other, specify _____		
Water found at Depth: _____ (m/ft) <input type="checkbox"/> Gas	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Other, specify _____		

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **SONIC SOIL SAMPLING INC.** Well Contractor's Licence No.: **7 1 4 7**

Business Address (Street Number/Name): **668 MILLWAY AVENUE** Municipality: **YORK**

Province: **ONTARIO** Postal Code: **L4K 3V2** Business E-mail Address: **sonic@sonicsoil.com**

Bus. Telephone No. (inc. area code): **905 660 0501** Name of Well Technician (Last Name, First Name): **ARCHIBALD, ALAN**

Well Technician's Licence No.: **2 8 8 1** Signature of Technician and/or Contractor: *[Signature]* Date Submitted: **20170328**

**Map of Well Location**

Please provide a map below following instructions on the back.

Comments: \_\_\_\_\_

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered	Ministry Use Only Audit No: <b>2246109</b> APR 07 2017 Received
	Date Work Completed	
	<b>20170328</b>	



Google Earth

Google Earth



APR 07 2017

C-714A  
7246105



Measurements recorded in:  Metric  Imperial

**DECOMMISSION**  
A217243

**Well Owner's Information**

First Name	Last Name / Organization <b>ROCK SWK RES ESTATE</b>	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name) <b>44 KING STREET WEST</b>	Municipality <b>TORONTO</b>	Province <b>ON</b>	Postal Code <b>M5H 1H1</b>
Telephone No. (inc. area code)			

**Well Location**

Address of Well Location (Street Number/Name) <b>158 LAKESHORE RD E</b>	Township <b>Toronto</b>	Lot <b>A</b>	Concession <b>Range 1</b>
County/District/Municipality <b>PEEL</b>	City/Town/Village <b>MISSISSAUGA</b>	Province <b>Ontario</b>	Postal Code <b>L5G 1E9</b>
UTM Coordinates NAD 83 <b>17 614 619 4823587</b>	Zone <b>17</b>	Easting <b>614 619</b>	Northing <b>4823587</b>
Municipal Plan and Sublot Number		Other	

**Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
	DECOMMISSIONED PER MOE REG 903.21				
	ALL WELL MATERIALS REMOVED				
	SEALED ENTIRE DEPTH				

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
From	To		
0.0	0.2 CONCRETE		
0.2	2.1 BENTONITE		
	2.1 SOIL		

Method of Construction	Well Use
<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Rotary (Reverse) <input type="checkbox"/> Boring <input type="checkbox"/> Air percussion <input type="checkbox"/> Other, specify _____	<input type="checkbox"/> Diamond <input type="checkbox"/> Jetting <input type="checkbox"/> Driving <input type="checkbox"/> Digging <input type="checkbox"/> Public <input type="checkbox"/> Commercial <input type="checkbox"/> Domestic <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify _____

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
			From	To	
3.2	PVC	0.6	0.0	0.6	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input checked="" type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify <b>CUST REQUEST</b> <input type="checkbox"/> Other, specify _____

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.3	PVC	0.010"	0.6	2.1

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
		From	To
0.15	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		

Well Contractor and Well Technician Information			
Business Name of Well Contractor <b>SONIC SOIL SAMPLING INC.</b>	Well Contractor's Licence No. <b>7 1 4 7</b>		
Business Address (Street Number/Name) <b>663 MILLWAY AVENUE</b>	Municipality <b>YORK</b>		
Province <b>ONTARIO</b>	Postal Code <b>L4K 3V2</b>	Business E-mail Address <b>sonic@sonicsoil.com</b>	
Bus. Telephone No. (inc. area code) <b>9056600501</b>	Name of Well Technician (Last Name, First Name) <b>ARCHIBALD, ALAN</b>		
Well Technician's Licence No. <b>2 8 8 1</b>	Signature of Technician and/or Contractor <i>[Signature]</i>	Date Submitted <b>20170328</b>	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping ____ hrs + ____ min  Final water level end of pumping (m/ft)  If flowing give rate (l/min / GPM)  Recommended pump depth (m/ft)  Recommended pump rate (l/min / GPM)  Well production (l/min / GPM)  Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

**Map of Well Location**

Please provide a map below following instructions on the back.

Comments:

Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D <b>20170328</b>	Date Work Completed <b>20170328</b>	Ministry Use Only Audit No. <b>2246108</b> <b>APR 07 2017</b> Received
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Google Earth

feet 200  
meters 60



APR 07 2017

C-7147  
Z246105



A203341  
No Tag TAB MISSING

Measurements recorded in:  Metric  Imperial

Well Owner's Information

First Name: 0810 Development Inc Building Group  
Last Name / Organization: Building Group  
E-mail Address: [blank]  Well Constructed by Well Owner  
Mailing Address (Street Number/Name): 141 Lakeshore E Floor 2  
Municipality: Toronto  
Province: On  
Postal Code: L5G 1E8  
Telephone No. (inc. area code): 416 566 7689

Well Location

Address of Well Location (Street Number/Name): 810 Ann St  
Township: [blank] Lot: [blank] Concession: [blank]  
County/District/Municipality: Mississauga  
City/Town/Village: Mississauga  
Province: Ontario  
Postal Code: [blank]  
UTM Coordinates: NAD 83 176149074823934  
Zone: Easting: 17614907 Northing: 4823934  
Municipal Plan and Sublot Number: [blank] Other: [blank]

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
Well A Abandonment					

Annular Space		
Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)
0	6.1	Bentonite

Method of Construction		Well Use		
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole	<input checked="" type="checkbox"/> Monitoring
<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify		

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To	
5.0	Plastic	0.15	0	3.1	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
5.2	Plastic	10	3.1	6.1

Results of Well Yield Testing					
After test of well yield, water was:		Draw Down		Recovery	
<input type="checkbox"/> Clear and sand free	<input type="checkbox"/> Other, specify	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:		Static Level			
Pump intake set at (m/ft)		1		1	
Pumping rate (l/min / GPM)		2		2	
Duration of pumping hrs + min		3		3	
Final water level end of pumping (m/ft)		4		4	
If flowing give rate (l/min / GPM)		5		5	
Recommended pump depth (m/ft)		10		10	
Recommended pump rate (l/min / GPM)		15		15	
Well production (l/min / GPM)		20		20	
Disinfected?		25		25	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		30		30	
		40		40	
		50		50	
		60		60	

Map of Well Location

Please provide a map below following instructions on the back.  
See Attached Map

Water Details		Hole Diameter	
Water found at Depth: 4.7m (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft) From: 0	To: 6.1
Water found at Depth: (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Diameter (cm/in): 15	
Water found at Depth: (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

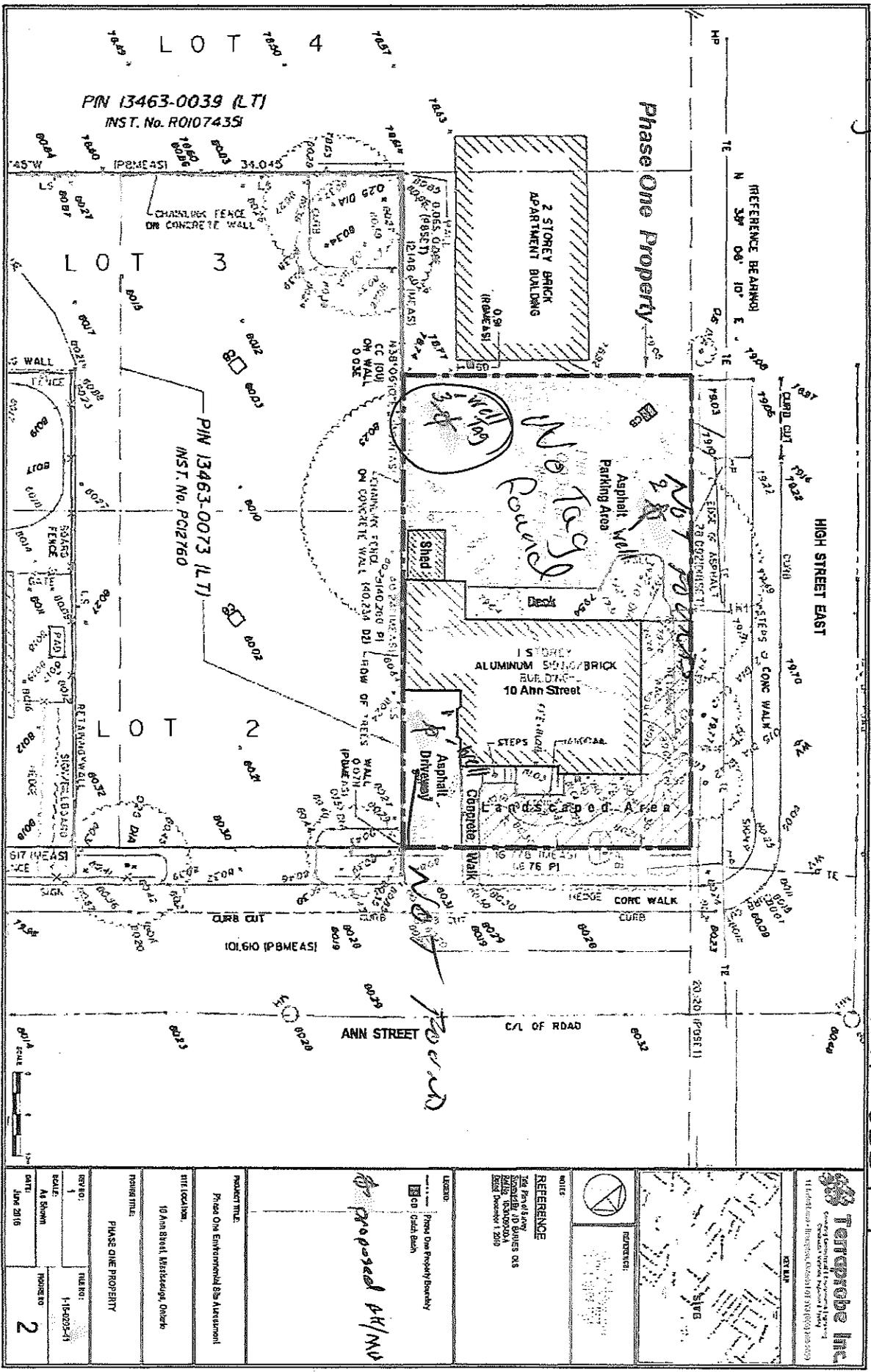
Well Contractor and Well Technician Information  
Business Name of Well Contractor: D3W Drilling LTD  
Well Contractor's Licence No.: 7230  
Business Address (Street Number/Name): 148 Wright cres  
Municipality: Ajax  
Province: On  
Postal Code: L4S 6X6  
Business E-mail Address: dbaunester0730@ Rogers.com  
Bus. Telephone No. (inc. area code): 416 735 0377  
Name of Well Technician (Last Name, First Name): Walker Fred  
Well Technician's Licence No.: 3821  
Signature of Technician and/or Contractor: [Signature]  
Date Submitted: 20170406

Comments: [blank]  
Well owner's information package delivered:  Yes  No  
Date Package Delivered: Y Y Y Y M M D D  
Date Work Completed: Y Y Y Y M M D D  
Ministry Use Only  
Audit No.: Z230821  
JUN 19 2017  
Received

Well Tag #A2033341

Well Tag #C33944

2230821



<p><b>Torprobe Inc.</b>          11 Leinster Avenue, Toronto, Ontario M5S 1A5          Tel: (416) 593-1111</p>	
<p><b>NOTES</b></p> <p><b>REFERENCE</b>          The Plan of Lot, located at 10 BONES SQ. (MUN. RECORDS) 1988 (REVISED) 1/200</p>	
<p><b>LEGEND</b></p> <p>Phase One Property Boundary          CD Catch Basin</p>	
<p><b>PROJECT TITLE</b>          Phase One Environmental Site Assessment</p>	
<p><b>SITE LOCATION</b>          10 Ann Street, Markham, Ontario</p>	
<p><b>PHASE ONE PROPERTY</b></p> <p>REVISED: 1 FILE NO: 1-1-0202-1</p> <p>DRAWN: M. Shown</p> <p>DATE: June 2016</p> <p>PROJECT NO: 2</p>	

C-7230  
2-230821

JUN 19 2017



Well Tag No. (Place Sticker and/or Print Below)
Tag #: A 232595

Measurements recorded in: Metric Imperial

Well Owner's Information

First Name, Last Name / Organization, E-mail Address, Mailing Address (Street Number/Name), Municipality, Province, Postal Code, Telephone No. (inc. area code)

Well Location

Address of Well Location (Street Number/Name), Township, Lot, Concession, City/Town/Village, Province, Postal Code, UTM Coordinates, Zone, Easting, Northing, Municipal Plan and Sublot Number, Other

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³)

Method of Construction and Well Use checkboxes: Cable Tool, Rotary, Boring, etc.

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To, Status of Well

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To

Water Details and Hole Diameter tables

Well Contractor and Well Technician Information: Business Name, Address, Licence No., Municipality

Results of Well Yield Testing table with columns: Draw Down, Recovery, Time (min), Water Level (m/ft)

Map of Well Location

Please provide a map below following instructions on the back. SEE ATTACHED

Well owner's information package delivered, Date Package Delivered, Date Work Completed

Ministry Use Only: Audit No., Received, Date

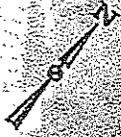
20173410139



**PROPOSED SAMPLING LOCATION**

1 HURONTARIO STREET  
MISSISSAUGA, ONTARIO

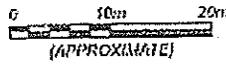
CLIENT



*mw403* *mw402*  
*TAG# A232595*

**LEGEND**

- PROPOSED DRILLING LOCATION
- PREVIOUS EXCAVATION EXCEEDANCES
- PREVIOUS EXCAVATION AREAS



SOURCE: CITY OF MISSISSAUGA MAPS, 2016 IMAGERY.

PROJECT #	CB460.04
SCALE	AS SHOWN
DATE	AUGUST 2017
DRAWN	CHECKED
ECV/SF/AB	
CR/MS	
<b>FIGURE 1</b>	

*C-6607 Z-255553*

OCT 3 1 2017



Measurements recorded in:  Metric  Imperial

Well Owner's Information

First Name: PARKLAND INDUSTRIES LTD. Last Name / Organization: PARKLAND INDUSTRIES LTD. E-mail Address: Mailing Address (Street Number/Name): 4919 59th ST. SUITE 100 Municipality: RED DEER Province: AB Postal Code: T4W 6C9 Telephone No. (inc. area code): 403 357 6400

Well Location

Address of Well Location (Street Number/Name): 150 LAKESHORE RD. E. (ON ROAD) Township: MISSISSAUGA City/Town/Village: MISSISSAUGA Province: Ontario Postal Code: 17111 UTM Coordinates: Zone: NAD 83 Easting: 176146106 Northing: 48238116

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with 6 columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, Depth (m/ft) To. Rows include BROWN SILT CLAY, SAND DENSE 0.2 3.6 and GREY GRAVEL WOOD LAYERED 3.6 4.5.

Annular Space table with 4 columns: Depth Set at (m/ft) From, Depth Set at (m/ft) To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³). Rows include 0-0.3 CONCRETE 0.01 and 0.3-1.2 BENTONITE 0.03.

Method of Construction and Well Use section with checkboxes for Cable Tool, Rotary, Boring, etc., and Public, Commercial, etc.

Construction Record - Casing table with 5 columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, Depth (m/ft) To. Row: 5.1 PLASTIC 0.65 0.1 1.5.

Construction Record - Screen table with 5 columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, Depth (m/ft) To. Row: 6.4 PLASTIC 10 1.5 4.5.

Water Details and Hole Diameter section with checkboxes for Fresh/Untested water and depth/diameter data.

Well Contractor and Well Technician Information section with fields for Business Name (GEO-ENVIRONMENTAL DRILLING), License No. (6607), Business Address (1 MANSEWOOD COURT), and Municipality (Halton Hills).

Results of Well Yield Testing table with columns for Draw Down (Time, Water Level) and Recovery (Time, Water Level) at various depths (1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60 m/ft).

Map of Well Location section with instructions and a handwritten note 'SEE ATTACHED'.

Well owner's information package delivered section with checkboxes for Yes/No and date fields (2017/09/20).

Ministry Use Only section with Audit No. 2255554 and date OCT 31 2017.

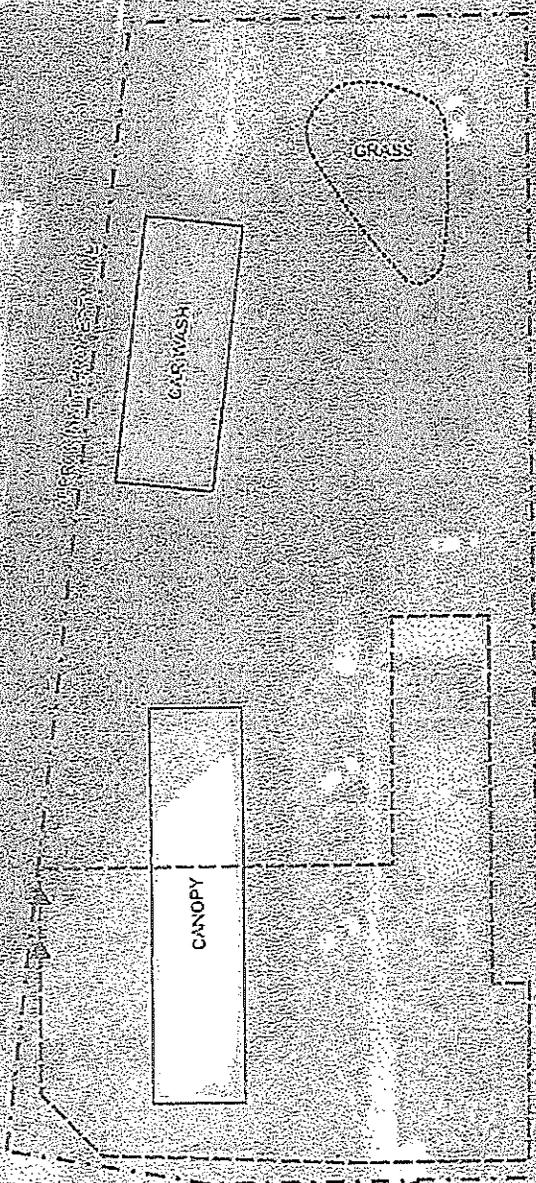
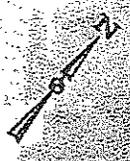
20173410139



### PROPOSED SAMPLING LOCATION

1 HURONTARIO STREET  
MISSISSAUGA, ONTARIO

CLIENT



#### LEGEND

- PROPOSED DRILLING LOCATION
- PREVIOUS EXCAVATION EXCEEDANCES
- PREVIOUS EXCAVATION AREAS



SOURCE: CITY OF MISSISSAUGA MAPS, 2016 IMAGERY.

PROJECT #	CB460.04
SCALE	AS SHOWN
DATE	AUGUST 2017
DRAWN BY	ECV/SF/AB
CHECKED BY	
DATE	

FIGURE 1

C-6607 Z-2SSSS4

OCT 3 1 2017



Well Tag No. (Place Sticker and/or Print Below)
Tag #: A 227118

Measurements recorded in: Metric Imperial

PARKLAND INDUSTRIES LTD.

Address of Well Location (Street Number/Name)
Township
Lot
Concession
County/District/Municipality
City/Town/Village
Province
Postal Code
UTM Coordinates
Zone Easting Northing
Municipal Plan and Sublot Number
Other

Overburden and Bedrock Materials/Abandonment Sealing Record
Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m) From To

Annular Space
Table with columns: Depth Set at (m) From To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³)

Results of Well Yield Testing
Table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level), Static Level, Pump intake set at (m/ft), Pumping rate (l/min / GPM), Duration of pumping, Final water level end of pumping (m/ft), If flowing give rate (l/min / GPM), Recommended pump depth (m/ft), Recommended pump rate (l/min / GPM), Well production (l/min / GPM), Disinfected?

Method of Construction
Well Use
List of options for construction methods and well uses.

Construction Record - Casing
Table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m) From To, Status of Well

Construction Record - Screen
Table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m) From To

Map of Well Location
Please provide a map below following instructions on the back.
Refer to att'd map

Water Details
Hole Diameter
Table with columns: Water found at Depth, Kind of Water, Depth (m) From To, Diameter (cm/in)

Well Contractor and Well Technician Information
Well Contractor and Well Technician Information
Landshark Drilling Inc. 19 Sage Crt, Brantford, ON
N3R 7T4 P: 519-449-1110 Lic. #7464
mail@landsharkdrilling.ca

Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name)
Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted

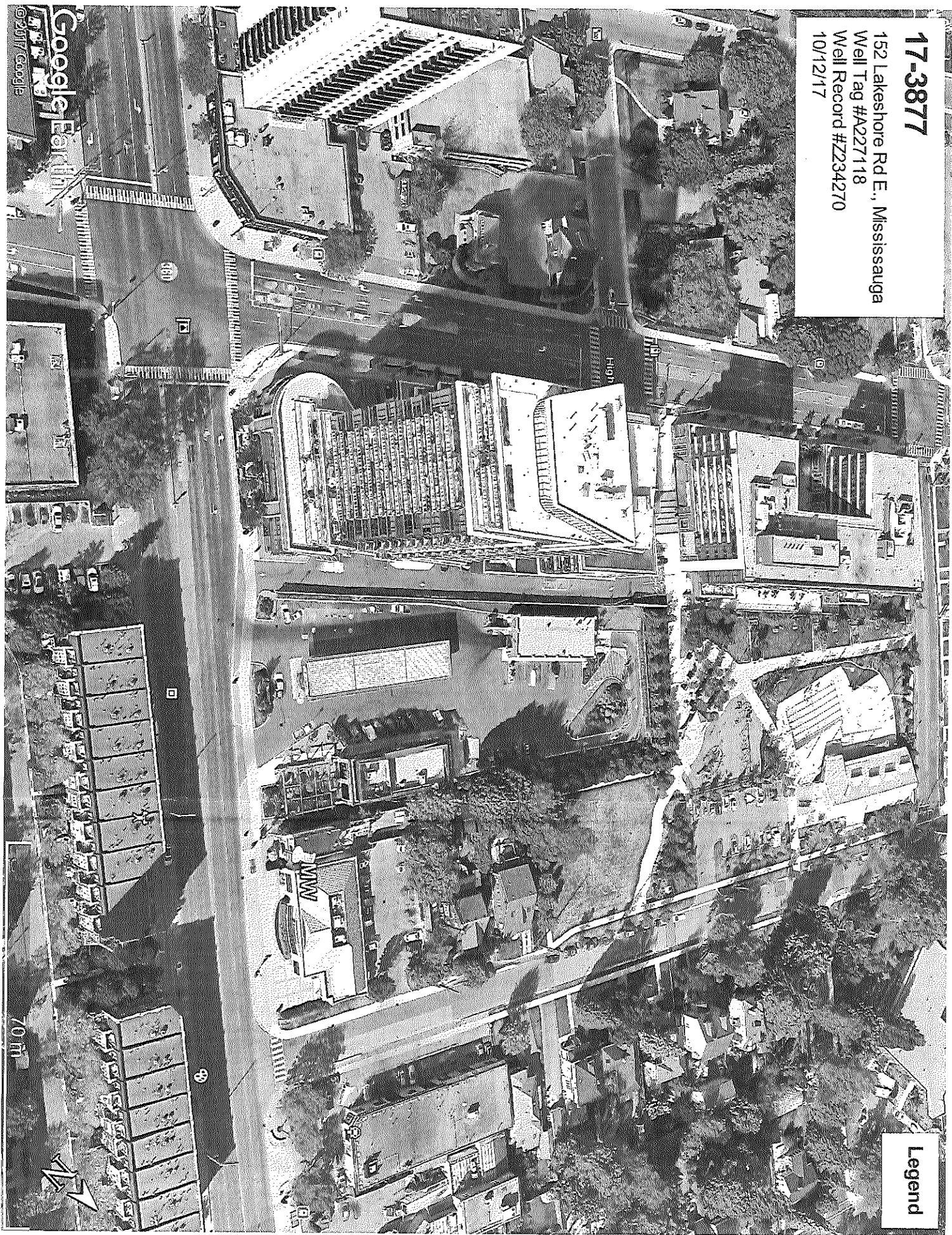
Well owner's information package delivered
Date Package Delivered
Date Work Completed
Ministry Use Only
Audit No. 2234270
DEC 19 2017

17-3877

**17-3877**

152 Lakeshore Rd E., Mississauga  
Well Tag #A227118  
Well Record #Z234270  
10/12/17

**Legend**



Google Earth  
© 2017 Google

C-7464 Z-234270

DEC 19 2017

**Well Owner's Information**

First Name <b>City of Mississauga</b>	Last Name / Organization <b>Transportation Dept.</b>	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name) <b>3185 Mavis Rd.</b>	Municipality <b>Peel</b>	Province <b>ON</b>	Postal Code <b>L5C1T7</b>
		Telephone No. (inc. area code)	

**Well Location**

Address of Well Location (Street Number/Name) <b>24m south of Lakeshore Blvd. W Mississauga 3m east of Front St. S west curb line.</b>	Township	Lot	Concession
County/District/Municipality <b>Peel</b>	City/Town/Village <b>Port Credit</b>	Province <b>Ontario</b>	Postal Code
UTM Coordinates Zone Easting Northing <b>NAD 83 17 614 144 48228167</b>	Municipal Plan and Sublot Number	Other	

**Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	sand	Gravel	dense	0	1
Brown	sand	silt gravel	dense	1	3
Grey	silt	clay sand	dense	3	4.5

Annular Space			
Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	0.3	concrete	0.0114
0.3	1.2	Bentonite chips	0.0342

Method of Construction		Well Use		
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole	<input checked="" type="checkbox"/> Monitoring
<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify		

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
			From	To	
5.1	plastic	0.65	0	1.5	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
6.4	plastic	10	1.5	4.5

Water Details		Hole Diameter	
Water found at Depth ? (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft) From	To
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0	4.5
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		21

Well Contractor and Well Technician Information			
Business Name of Well Contractor <b>GEO-ENVIRONMENTAL DRILLING</b>	Well Contractor's Licence No. <b>6161012</b>		
Business Address (Street Number/Name) <b>1 MANFRED COURT</b>	Municipality <b>HAMILTON</b>		
Province <b>ON</b>	Postal Code <b>L7A1J4V</b>	Business E-mail Address	
Bus. Telephone No. (inc. area code) <b>905 276 3386</b>	Name of Well Technician (Last Name, First Name) <b>Collins Tim</b>		
Well Technician's Licence No. <b>T3694</b>	Signature of Technician and/or Contractor	Date Submitted <b>2017/10/06</b>	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping hrs + min  Final water level end of pumping (m/ft)  If flowing give rate (l/min / GPM)  Recommended pump depth (m/ft)  Recommended pump rate (l/min / GPM)  Well production (l/min / GPM)  Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

Map of Well Location	
Please provide a map below following instructions on the back.	
Comments: <b>24m south of Lakeshore Blvd. W 3m east of Front St. S west curb line.</b>	

Well owner's information package delivered		Ministry Use Only	
<input type="checkbox"/> Yes	Date Package Delivered Y Y Y Y M M D D	Audit No.	<b>2248457</b>
<input type="checkbox"/> No	Date Work Completed <b>2017/10/06</b>	Received	<b>JAN 30 2018</b>



Measurements recorded in:  Metric  Imperial

Page 1 of 1

A241274

Well Owner's Information

First Name: Metrolix, Last Name / Organization: -, E-mail Address: -, Well Constructed by Well Owner: 
Mailing Address (Street Number/Name): 97 Front St. W, Municipality: Toronto, Province: ON, Postal Code: M5J1E6, Telephone No. (inc. area code): 416 874 5900

Well Location

Address of Well Location (Street Number/Name): 72-101 Queen St. (Go Parking lot), Township: -, Lot: -, Concession: -
County/District/Municipality: Peel, City/Town/Village: Port Credit, Province: Ontario, Postal Code: -
UTM Coordinates Zone: NAD 83, Easting: 17614281, Northing: 4823683, Municipal Plan and Sublot Number: -, Other: -

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with 5 columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, Depth (m/ft) To. Rows include: Brown sand Gravel soft 0 3; Grey silt sand, gravel dense 3 8.8; Grey shale limestone layered 8.8 15.2

Annular Space table with 3 columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³). Rows include: 0 to 0.3 concrete 0.0147; 0.3 to 8.8 Bentonite chips 0.4172

Method of Construction and Well Use. Method of Construction:  Boring,  Air percussion,  Other, specify: tricone. Well Use:  Public,  Commercial,  Not used,  Domestic,  Municipal,  Dewatering,  Test Hole,  Monitoring,  Livestock,  Irrigation,  Cooling & Air Conditioning,  Industrial,  Other, specify: -

Construction Record - Casing table with 4 columns: Inside Diameter (cm/in), Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel), Wall Thickness (cm/in), Depth (m/ft) From, To. Row: 10.2 plastic 0.65 0 9.1. Status of Well:  Observation and/or Monitoring Hole,  Alteration (Construction),  Abandoned,  Insufficient Supply,  Abandoned, Poor Water Quality,  Abandoned, other, specify: -

Construction Record - Screen table with 4 columns: Outside Diameter (cm/in), Material (Plastic, Galvanized, Steel), Slot No., Depth (m/ft) From, To. Row: 11.5 plastic 10 9.1 15.2. Status of Well:  Other, specify: -

Water Details and Hole Diameter. Water found at Depth: ? (m/ft), Kind of Water:  Fresh,  Untested. Hole Diameter: Depth (m/ft) From, To; Diameter (cm/in). Rows: 0 9.1 25; 9.1 15.2 16

Well Contractor and Well Technician Information. Business Name of Well Contractor: GEO - ENVIRONMENTAL DRILLING, Well Contractor's Licence No.: 6607

Business Address (Street Number/Name): 1 MANSEWOOD COURT, Municipality: Halton Hills

Province: ON, Postal Code: L7J0A1, Business E-mail Address: estimates@geo-environmentaldrilling.com

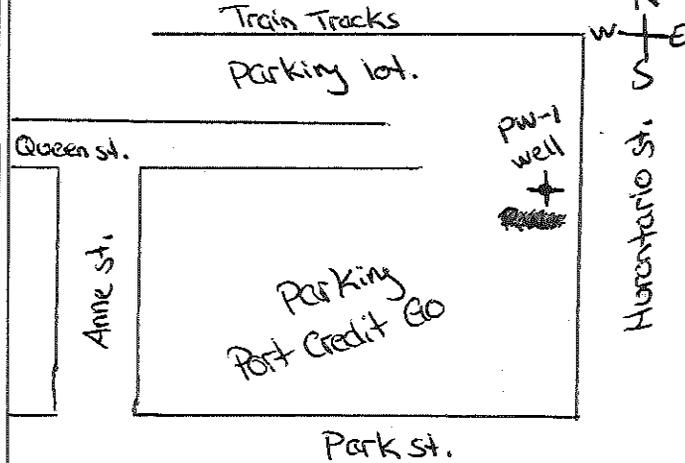
Bus. Telephone No. (inc. area code): 905 876 3388, Name of Well Technician (Last Name, First Name): Collins Tim

Well Technician's Licence No.: T3694, Signature of Technician and/or Contractor: [Signature], Date Submitted: 20171219

Results of Well Yield Testing table with 4 columns: Draw Down (Time (min), Water Level (m/ft)), Recovery (Time (min), Water Level (m/ft)). Includes sections for After test of well yield, water was:  Clear and sand free,  Other, specify: -; Pump intake set at (m/ft); Pumping rate (l/min / GPM); Duration of pumping: \_\_\_ hrs + \_\_\_ min; Final water level end of pumping (m/ft); If flowing give rate (l/min / GPM); Recommended pump depth (m/ft); Recommended pump rate (l/min / GPM); Well production (l/min / GPM); Disinfected?  Yes  No

Map of Well Location

Please provide a map below following instructions on the back.



Comments: 20m west of Horontario st. 30m south of train tracks

Well owner's information package delivered:  Yes  No. Date Package Delivered: YYY YMM DDD. Date Work Completed: 20171215. Ministry Use Only: Audit No. 2255689, Received: MAR 08 2018



Tag #: A 241364

Measurements recorded in:  Metric  Imperial

Well Owner's Information

First Name: METROLINX, Last Name / Organization: METROLINX, E-mail Address: [blank], Mailing Address: 97 FRONT ST, WEST, Municipality: TORONTO, Province: ON, Postal Code: M5T 1E6, Telephone No.: 416 874 5900

Well Location

Address of Well Location: 60 Station Parking Lot (P2), Township: [blank], Lot: [blank], Concession: [blank], City/Town/Village: The Port Credit, Province: Ontario, Postal Code: [blank], UTM Coordinates Zone: NAD 83, Easting: 174141, Northing: 1394823585

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, Depth (m/ft) To. Includes handwritten entries for sand, silt, and gravel.

Annular Space table with columns: Depth Set at (m/ft) From, Depth Set at (m/ft) To, Type of Sealant Used, Volume Placed (m³/ft³). Includes handwritten entries for concrete and belite chips.

Method of Construction and Well Use section with checkboxes for Cable Tool, Rotary, Boring, etc., and Public, Commercial, etc.

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, Depth (m/ft) To. Includes handwritten entries for PVC casing.

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, Depth (m/ft) To. Includes handwritten entries for PVC screen.

Water Details and Hole Diameter section with tables for water found at depth and hole diameter measurements.

Well Contractor and Well Technician Information section with fields for Business Name (GEO-ENVIRONMENTAL DRILLING), Business Address (1 MANSEWOOD COURT), and Technician Name (Cynthia Chan).

Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Includes handwritten data points and a graph area.

Map of Well Location

Please provide a map below following instructions on the back. PLEASE SEE ATTACHED.

Comments, Ministry Use Only (Audit No. 2266884, Date Work Completed: 2018/04/05), and Well owner's information package delivered status.

POI/WPT / Waypoints

\*01-A "WP01-A" added  
 17 T 614139 4823585  
 43.55649°N -79.56685°E  
 Elevation= (quota exceeded)

\*\*all waypoints removed...

remove 01-A    remove all WPTs  
 download WPTs    download Route  
 Browse...    No file selected.  
 upload WPTs    upload Route

UTM 17 T 614139 4823585	N Hemis. x-aa y-rr	dd.ddddd Latitude: 43.55649 °N Longitude: -79.56685 °E	dd° mm'.mmm' 43 ° 33.389 ' N 79 ° 35.211 ' W	dd° mm' ss.s" 43 ° 33 ' 23.4 " N 79 ° 35 ' 12.7 " W
postal address or point of interest (poi)		ok	elevation in m	WP01-A    edit
ok		ok	ok	<<    01-A    >>>

Map Satellite OSM

Map data ©2018 Google, 20 m | Terms of Use Report a map error

Go gle

c-6607 2-266884

MAR 15 2018



Measurements recorded in:  Metric  Imperial

Tag #: A 241358

Well Owner's Information

First Name: METROLINX, Last Name / Organization: METROLINX, E-mail Address: [blank], Well Constructed by Well Owner: 
Mailing Address (Street Number/Name): 97 FRONT ST., WEST, Municipality: TORONTO, Province: ON, Postal Code: M5T 1E6, Telephone No. (inc. area code): 416 874 5700

Well Location

Address of Well Location (Street Number/Name): 10 Station Parkway Lot (P7), Township: [blank], Lot: [blank], Concession: [blank]
County/District/Municipality: [blank], City/Town/Village: Port Credit, Province: Ontario, Postal Code: [blank]
UTM Coordinates Zone: NAD 83, Easting: 17614235, Northing: 4823662, Municipal Plan and Sublot Number: [blank], Other: [blank]

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with 5 columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Rows include: Brown Sand, Grey Clay, Grey Silt, Green Gravel, Silt/Sand, Gravel.

Annular Space table with 3 columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³). Rows include: 0-0.3 Concrete, 0.3-1.5 Balauite chips, 10kg, 42kg.

Method of Construction and Well Use checkboxes. Method of Construction:  Boring,  Air percussion,  Other. Well Use:  Public,  Commercial,  Not used,  Domestic,  Municipal,  Dewatering,  Livestock,  Test Hole,  Monitoring,  Irrigation,  Cooling & Air Conditioning,  Industrial,  Other.

Construction Record - Casing table with 4 columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To. Row: 5.1 PUC, .65, 0, 1.5. Status of Well:  Observation and/or Monitoring Hole,  Alteration (Construction),  Abandoned, Insufficient Supply,  Abandoned, Poor Water Quality,  Abandoned, other, specify.

Construction Record - Screen table with 4 columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To. Row: 6.1 PUC, 10, 1.5, 5.3. Other, specify: [blank]

Water Details and Hole Diameter tables. Water Details: Water found at Depth (m/ft), Kind of Water:  Fresh,  Untested,  Gas,  Other. Hole Diameter: Depth (m/ft) From, To, Diameter (cm/in). Row: 6, 5.3, 2.1.

Well Contractor and Well Technician Information. Business Name of Well Contractor: GEO - ENVIRONMENTAL DRILLING, Well Contractor's Licence No.: 6607, Business Address (Street Number/Name): 1 MANSEWOOD COURT, Municipality: Halton Hills, Province: ON, Postal Code: L7J0A1, Business E-mail Address: estimates@geo-environmentaldrilling.com, Name of Well Technician (Last Name, First Name): Craigdon, Ken, Well Technician's Licence No.: 2461, Signature of Technician and/or Contractor: [Signature], Date Submitted: 2018/04/15.

Results of Well Yield Testing table. Columns: Draw Down (Time (min), Water Level (m/ft)), Recovery (Time (min), Water Level (m/ft)). Rows include: After test of well yield, water was:  Clear and sand free,  Other; Pump intake set at (m/ft): 2; Pumping rate (l/min / GPM): 3; Duration of pumping: 5 hrs + 0 min; Final water level end of pumping (m/ft): 10; If flowing give rate (l/min / GPM): 15; Recommended pump depth (m/ft): 25; Recommended pump rate (l/min / GPM): 30; Well production (l/min / GPM): 40; Disinfected?  Yes,  No.

Map of Well Location

Please provide a map below following instructions on the back.

PLEASE SEE ATTACHED

Comments: [blank]

Well owner's information package delivered:  Yes,  No; Date Package Delivered: YYY Y MM DD; Date Work Completed: 2018/04/15; Ministry Use Only: Audit No.: Z255690, Received: MAR 15 2018.

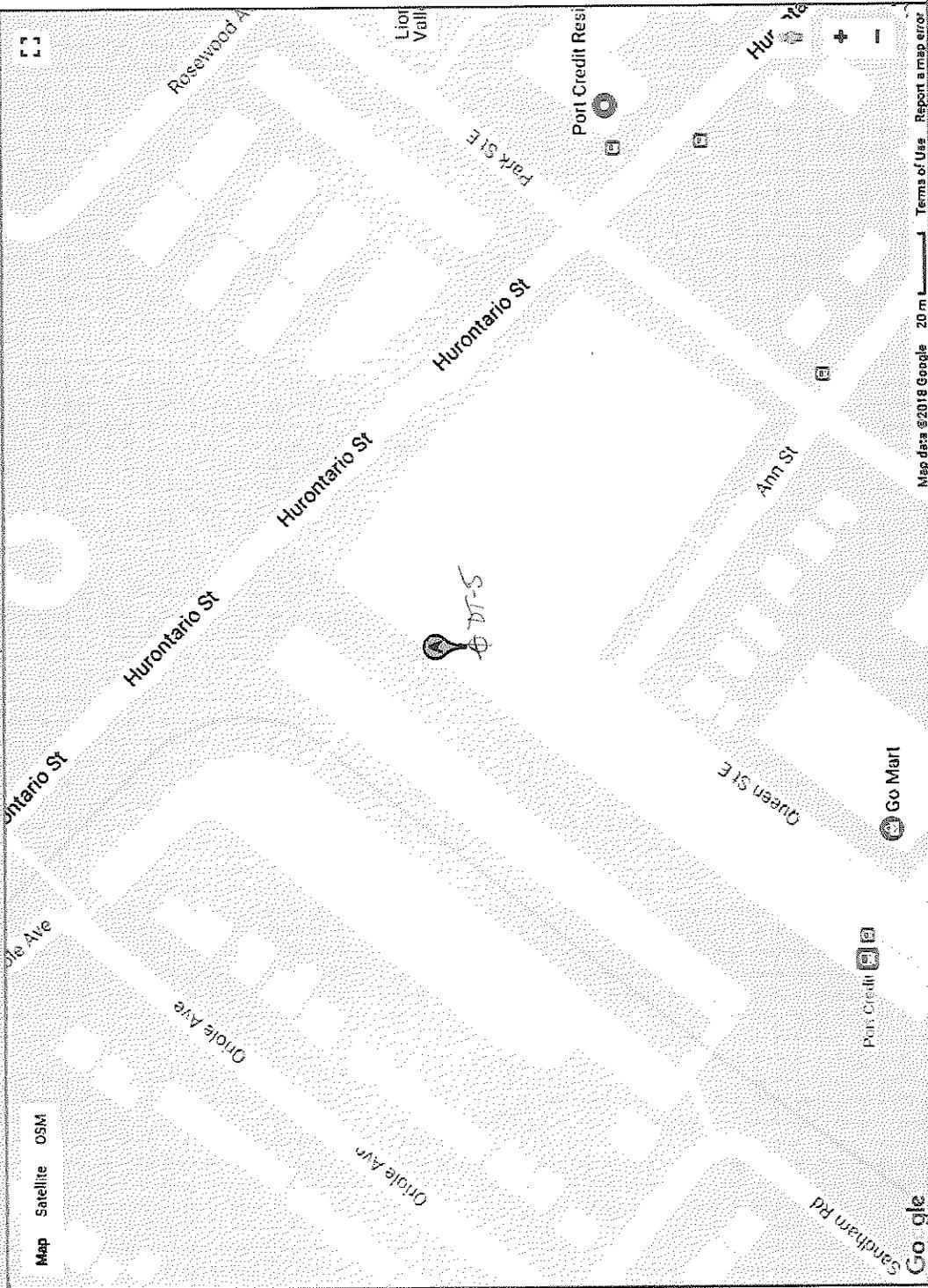
POI / WPT / Waypoints

\*01-A "WPT01-A" added  
17 T 614235 4823662  
43.55717°N -79.58565°E  
Elevation= (quota exceeded)

\*\*all waypoints removed...

- remove 01-A
- remove all WPTs
- download WPTs
- download Route
- Browse...
- No file selected.
- upload WPTs
- upload Route

UTM 17 T 614235 4823662	Hemis. x-rea y-no	dd.ddddd° Latitude: 43.55717 °N Longitude: -79.58565 °E	dd° mm' ss.s" 43 ° 33 ' 25.8 " N 79 ° 35 ' 8.3 " W	dd° mm' mmm' 43 ° 33.430 ' N 79 ° 35.139 ' W	elevation /m /m WPT01-A 01-A
postal address or point of interest (poi)		ok			



Map data ©2018 Google 20 m Report a map error

6607 2-255690

MAR 15 2018



Measurements recorded in:  Metric  Imperial

A232662

PCPL-3

Well Owner's Information

First Name, Last Name / Organization (METROLINX), E-mail Address, Mailing Address (97 FRONT ST., WEST), Municipality (TORONTO), Province (ON), Postal Code (M5T 1E6), Telephone No. (416 874 5900)

Well Location

Address of Well Location (Port Credit Go Station), Township, Lot, Concession, City/Town/Village (Port Credit), Province (Ontario), Postal Code, UTM Coordinates, Zone, Easting, Northing, Municipal Plan and Sublot Number

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Rows include Sand/gravel, silt, shale, limestone.

Annular Space table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³). Rows include concrete, Bentonite chips, Bentonite pellets.

Method of Construction and Well Use checkboxes. Includes options for Cable Tool, Rotary, Boring, Air percussion, Diamond, Jetting, Driving, Digging, Public, Commercial, Domestic, Livestock, Irrigation, Industrial, Municipal, Test Hole, Cooling & Air Conditioning, Not used, Dewatering, Monitoring.

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To. Status of Well checkboxes include Water Supply, Replacement Well, Test Hole, Recharge Well, Dewatering Well, Observation and/or Monitoring Hole, Alteration (Construction), Abandoned, Insufficient Supply, Abandoned, Poor Water Quality, Abandoned, other, specify, Other, specify.

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material (Plastic, Galvanized, Steel), Slot No., Depth (m/ft) From, To.

Water Details and Hole Diameter tables. Water Details includes depth and kind of water. Hole Diameter includes depth and diameter.

Well Contractor and Well Technician Information. Business Name: GEO - ENVIRONMENTAL DRILLING. Well Contractor's Licence No.: 6607. Business Address: 1 MANSEWOOD COURT, Halton Hills.

Well Technician information. Business E-mail Address: estimates@geo-environmentaldrilling.com. Bus. Telephone No.: 905 876 3388. Name of Well Technician: King, Kuba. Well Technician's Licence No.: 3161015. Signature of Technician and/or Contractor. Date Submitted: 20180203.

Results of Well Yield Testing table. Columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Rows include pumping rate, duration, final water level, flow rate, recommended pump depth and rate.

Map of Well Location

Please provide a map below following instructions on the back. \* map attached

Ministry Use Only. Audit No.: 2266994. Date Package Delivered: 20180203. Date Work Completed: 20180203. Received: APR 17 2018.

UTM 17 T 614119 4823585	N 614119 4823585	Hemisphere X-az Y-no	dd.ddddd° Latitude: 43.55649 °N Longitude: -79.58710 °E	dd° mm' ss.s" 43 ° 33 ' 23.4 " N 79 ° 35 ' 13.6 " W	dd° mm' mmm" 43 ° 33' 389 " N 79 ° 35' 226 " W	elevation / m 83.8	WPO2-B edit << < > >>
postal address or point of interest (poi) Port Credit Go Station, Port Credit, ON Canada							

POI / WPT / Waypoints

\*02.B "WPO2.B" added  
 17 T 614119 4823585  
 43.55649°N -79.58710°E  
 Elevation= 83.8m

\*01.A "WPO1.A" added  
 17 T 614137 4823528  
 43.55593°N -79.58639°E  
 Elevation= 85.7m

\*Port Credit Go Station, Port Credit, ON Canada ->  
 30 Queen St E, Mississauga, ON L5G 3B7, Canada

\*\*all waypoints removed...

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C-6607 Z-266994

APR 17 2018



Tag #: A 232817

Measurements recorded in:  Metric  Imperial

Well Owner's Information

First Name, Last Name / Organization (Metrolinx), E-mail Address, Mailing Address (277 Front St. W), Municipality (Toronto), Province (ON), Postal Code (M5V 2Y4), Telephone No.

Well Location

Address of Well Location (Port Credit Co Station), Township, Lot, Concession, City/Town/Village (Port Credit), Province (Ontario), Postal Code, UTM Coordinates (NAD 83 1761141204823590), Municipal Plan and Sublot Number, Other.

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Rows include: Brown Sand, Grey Silt Clay, Grey Silt, Grey Limestone, Corundum, Silt, Corundum, Red rock, Soft, Hard, Hard.

Annular Space table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³). Rows include: 0-3 Concrete (10kg), 3-11.8 Bentonite Chips (280kg).

Method of Construction (Diamond, Jetting, Driving, Digging) and Well Use (Public, Commercial, Domestic, Municipal, Test Hole, Cooling & Air Conditioning, etc.).

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To. Row: 5.1 PUC, .65, 0, 12.1.

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To. Row: 6.4 PUC, 10, 12.1, 15.2.

Water Details and Hole Diameter table. Water found at Depth (N/A, 0, 9.1, 9.1), Kind of Water (Fresh, Untested), Hole Diameter (Depth, Diameter). Rows: 0-9.1 (21), 9.1-15.2 (9.6).

Well Contractor and Well Technician Information. Business Name: GEO - ENVIRONMENTAL DRILLING. Well Contractor's Licence No.: 6607. Business Address: 1 MANSEWOOD COURT, Halton Hills.

Well Technician's Licence No.: 2461. Name of Well Technician: Creighton, Ryan. Date Submitted: 2018/01/31.

Results of Well Yield Testing table. Columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Rows 1-60. Includes notes on pumping rate and final water level.

Map of Well Location. Please provide a map below following instructions on the back. Handwritten note: see map.

Comments: BHI.

Ministry Use Only. Audit No.: 2266906. Date Work Completed: 2018/01/16. Received: NOV 07 2018.

UTM N W Hemis. 17 T 614120 x-aa 4823550 y-no <input type="button" value="ok"/>		dd.ddddd° Latitude: 43.55654 °N Longitude: -79.58709 °E <input type="button" value="ok"/>		dd° mm' ss.s" 43 ° 33 ' 23.5 " N 79 ° 35 ' 13.5 " W <input type="button" value="ok"/>		POI / WPT / Waypoints *01-A "WP01-A" added 17 T 614120 4823550 43.55654°N -79.58709°E Elevation= 83.6m **all waypoints removed...	
postal address or point of interest (poi) <input type="text"/> <input type="button" value="ok"/>		elevation in m 83.6 WP01-A <input type="button" value="edit"/>		WP01-A <input type="button" value="01-A"/>		remove 01-A download WPTs Choose File   No file chosen uploaded WPTs upload Route	

Map © 2018 OpenStreetMap CC-BY-SA  
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NOV 07 2018 C-6607 2266906

Measurements recorded in:  Metric  Imperial

Page \_\_\_\_\_ of \_\_\_\_\_

A232612

Well Owner's Information

First Name \_\_\_\_\_ Last Name / Organization **METROLINX** E-mail Address \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name) **277 FRONT ST. W** Municipality **TORONTO** Province **ON** Postal Code **M5V 2X4** Telephone No. (inc. area code) \_\_\_\_\_

Well Location

Address of Well Location (Street Number/Name) **Port Credit GO Station** Township \_\_\_\_\_ Lot \_\_\_\_\_ Concession \_\_\_\_\_

County/District/Municipality \_\_\_\_\_ City/Town/Village **Etobicoke** Province **Ontario** Postal Code \_\_\_\_\_

UTM Coordinates Zone Easting Northing Municipal Plan and Sublot Number Other

NAD 83 **1176114236** **49236212** \_\_\_\_\_

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	Gravel	Sand	f. ll	0	5'
Grey	Clay	Gravel	f. ll	5'	30'
Grey	Shale		Bedrock	30'	40'

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 - 29'	Bentonite chips	0.21135
29' - 40'	Sand Pack	0.11595

**Method of Construction**

Cable Tool  Diamond  Rotary (Conventional)  Jetting  Rotary (Reverse)  Driving  Boring  Air percussion  Other, specify \_\_\_\_\_

**Well Use**

Public  Commercial  Not used  Domestic  Municipal  Dewatering  Livestock  Test Hole  Monitoring  Irrigation  Cooling & Air Conditioning  Industrial  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	
			From	To
5.1	PVC	0.65	0	30'

**Status of Well**

Water Supply  Replacement Well  Test Hole  Recharge Well  Dewatering Well  Observation and/or Monitoring Hole  Alteration (Construction)  Abandoned, Insufficient Supply  Abandoned, Poor Water Quality  Abandoned, other, specify \_\_\_\_\_  Other, specify \_\_\_\_\_

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
6.4	PVC	#10	30'	40'

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____
N/A	

**Hole Diameter**

Depth (m/ft)	Diameter (cm/in)
0 - 30'	8"
30' - 40'	4"

**Well Contractor and Well Technician Information**

Business Name: **GEO-ENVIRONMENTAL DRILLING** Well Contractor's Licence No.: **6809**

Business Address (Street Number/Name): **1 MANSEWOOD COURT** Municipality: **Halton Hills**

Province: **ON** Postal Code: **L7R0A1** Business E-mail Address: **estimates@geo-environmentaldrilling.com**

**Results of Well Yield Testing**

After test of well yield, water was:  Clear and sand free  Other, specify \_\_\_\_\_

If pumping discontinued, give reason: \_\_\_\_\_

Pump intake set at (m/ft) \_\_\_\_\_

Pumping rate (l/min / GPM) \_\_\_\_\_

Duration of pumping \_\_\_\_\_ hrs \_\_\_\_\_ min

Final water level end of pumping (m/ft) \_\_\_\_\_

If flowing give rate (l/min / GPM) \_\_\_\_\_

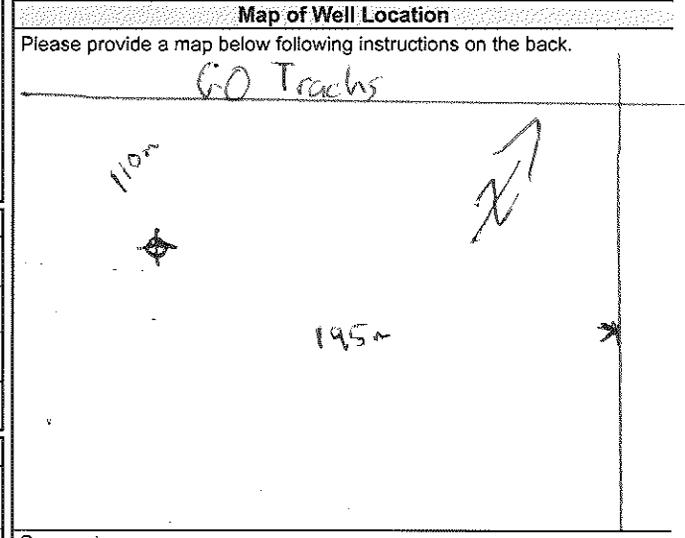
Recommended pump depth (m/ft) \_\_\_\_\_

Recommended pump rate (l/min / GPM) \_\_\_\_\_

Well production (l/min / GPM) \_\_\_\_\_

Disinfected?  Yes  No

Static Level	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	



Bus. Telephone No. (inc. area code): **9058763388** Name of Well Technician (Last Name, First Name): **Dies Dush**

Well Technician's Licence No.: **3501** Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: **20180202**

Well owner's information package delivered:  Yes  No

Date Package Delivered: **20180202**

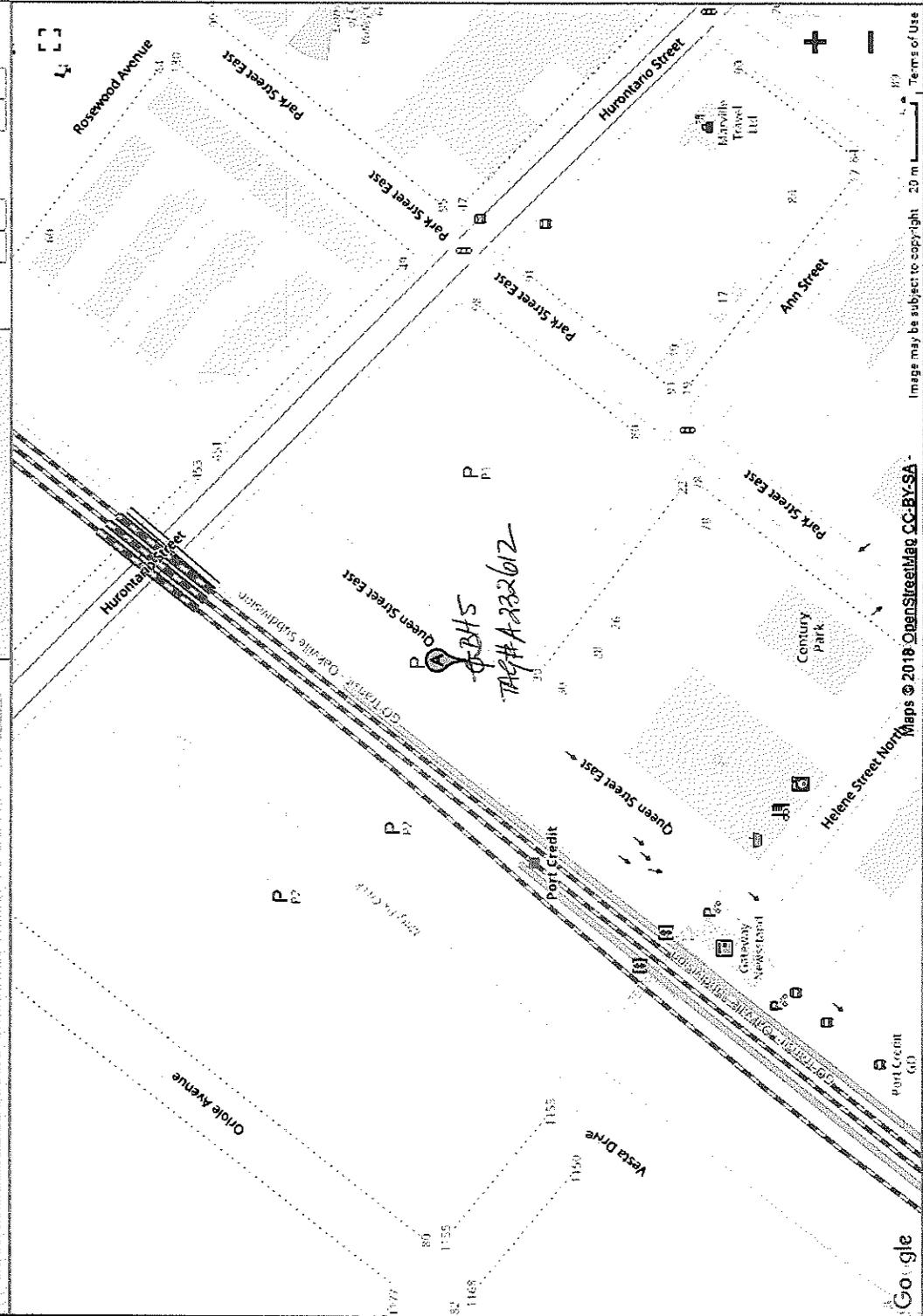
Date Work Completed: \_\_\_\_\_

**Ministry Use Only**

Audit No.: **2266972**

Received: **NOV 07 2018**

UTM: N   Hemis: 17 T 614236 x-aa 4823622 y-ro <input type="button" value="ok"/>		dd.ddddd° Latitude: 43.55681 °N Longitude: -79.58664 °E <input type="button" value="ok"/>		dd° mm'.mmm' 43 ° 33' 24.5 " N 79 ° 35' 8.3 " W <input type="button" value="ok"/>		dd° mm' ss.s" 43 ° 33' 24.5 " N 79 ° 35' 8.3 " W <input type="button" value="ok"/>	
postal address or point of interest (poi) → <input type="button" value="ok"/>		elevation in m ▾ 84.0 WP01-A <input type="button" value="edit"/>		WP01-A << < 01-A > >>		POI / WPT / Waypoints *01-A "WP01-A" added 17 T 614236 4823622 43.55681°N -79.58664°E Elevation= 84.0m **all waypoints removed...	



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NOV 07 2018 C-4407 226972



Measurements recorded in:  Metric  Imperial

Tag #: A 232639

Well Owner's Information

First Name, Last Name / Organization (METROLINX), E-mail Address, Mailing Address (277 FRONT ST, W), Municipality (TORONTO), Province (ON), Postal Code (M5T 2X4), Telephone No.

Well Location

Address of Well Location (SEE Below), Township, Lot, Concession, City/Town/Village (Etobicoke), Province (Ontario), Postal Code, UTM Coordinates, Zone, Easting, Northing, Municipal Plan and Sublot Number, Other.

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, Depth (m/ft) To. Includes handwritten entries for Brown Gravel, Sand, and Some Silt.

Annular Space table with columns: Depth Set at (m/ft) From, Depth Set at (m/ft) To, Type of Sealant Used, Volume Placed (m³/ft³). Includes handwritten entries for Bentonite chips and Sand Pack.

Method of Construction and Well Use sections with checkboxes for Cable Tool, Rotary, Boring, etc., and Public, Commercial, etc.

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, Depth (m/ft) To. Includes handwritten entries for 5.1 cm PVC casing.

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, Depth (m/ft) To. Includes handwritten entries for 6.4 cm PVC screen.

Water Details and Hole Diameter sections with checkboxes for Fresh/Untested water and Depth/Diameter fields.

Well Contractor and Well Technician Information section with fields for Business Name (GEO - ENVIRONMENTAL DRILLING), Address, Licence No., and Technician Name (D. Desh).

Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Includes handwritten data points and a large diagonal scribble.

Map of Well Location section with a hand-drawn diagram showing well location relative to G-O tracks and Hurontario street.

POI / WPT / Waypoints

01-A "WP01-A" added  
 17 T 614284 4823641  
 43.55697°N -79.58505°E  
 Elevation= 83.4m

\*\*all waypoints removed...

remove 01-A    remove all WPTs  
 download WPTs    download Route  
 Choose File    No file chosen  
 upload WPTs    upload Route

UTM 17 T 614284 x-aa 4823641 y-no	dd.ddddd° Latitude: 43.55697 °N Longitude: -79.58505 °E	dd° mm' ss.S" 43 ° 33 ' 25.1 " N 79 ° 35 ' 6.2 " W	dd° mm' mmm" 43 ° 33.418 ' N 79 ° 35.103 ' W	WP01-A 01-A	edit
postal address or point of interest (poi)	ok	ok	elevation (m) m 83.4	ok	ok

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NOV 07 2018

C-6607 2266878



Measurements recorded in:  Metric  Imperial

Tag #: A 241299

Page \_\_\_ of \_\_\_

**Well Owner's Information**

First Name: \_\_\_\_\_ Last Name / Organization: **METROLINX** E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **277 FRONT ST. W** Municipality: **TORONTO** Province: **ON** Postal Code: **M5V 2X4** Telephone No. (inc. area code): \_\_\_\_\_

**Well Location**

Address of Well Location (Street Number/Name): **60 Station Paving Lot (South Side)** Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

County/District/Municipality: \_\_\_\_\_ City/Town/Village: **Port Credit** Province: **Ontario** Postal Code: \_\_\_\_\_

UTM Coordinates: Zone: **8** Easting: **17614324** Northing: **4823645** Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

**Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Sand	Gravel	Soft	0	1.5
Green	Clay	Silt/Sand	Base	1.5	6.0
Grey	Silt	Gravel/Till	Hard	6.0	7.6
Grey	Limestone		Hard	7.6	15.2

**Annular Space**

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	3	Concrete	106 kg
3	11.8	Bestbank Chips	240 kg

**Results of Well Yield Testing**

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping _____ hrs + _____ min Final water level end of pumping (m/ft)  If flowing give rate (l/min / GPM)  Recommended pump depth (m/ft)  Recommended pump rate (l/min / GPM)  Well production (l/min / GPM)  Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

**Method of Construction**

Cable Tool  Diamond  Rotary (Conventional)  Jetting  Rotary (Reverse)  Driving  Boring  Air percussion  Other, specify \_\_\_\_\_

**Well Use**

Public  Commercial  Not used  Domestic  Municipal  Dewatering  Livestock  Test Hole  Monitoring  Irrigation  Cooling & Air Conditioning  Industrial  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
5.1	PVC	.65	0	12.1	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.4	PVC	10	12.1	15.2

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Hole Diameter	
		Depth (m/ft) From	Diameter (cm/in) To
0		9.1	2.1
9.1		15.2	

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **GEO - ENVIRONMENTAL DRILLING** Well Contractor's Licence No.: **6607**

Business Address (Street Number/Name): **1 MANSEWOOD COURT** Municipality: **Halton Hills**

Province: **ON** Postal Code: **L7J0A1** Business E-mail Address: **estimates@geo-environmentaldrilling.com**

Bus. Telephone No. (inc. area code): **905 876 3388** Name of Well Technician (Last Name, First Name): **Cristian Kuc**

Well Technician's Licence No.: **24151** Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: **2018/06/16**

**Map of Well Location**

Please provide a map below following instructions on the back.

Comments: **BH 9**

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered: <b>2018/06/16</b>	<b>Ministry Use Only</b> Audit No. <b>2266901</b> <b>NOV 07 2018</b> Received
Date Work Completed: <b>2018/06/16</b>		

<p>UTM N   Hemis: 17 T 614324 x-9a. 4823645 y-1d.</p>	<p>dd.ddddd° Latitude: 43.55700 °N Longitude: -79.58455 °E</p>	<p>dd° mm' ss.s" 43 ° 33 ' 25.2 " N 79 ° 35 ' 4.4 " W</p>	<p>dd° mm' mmm" 43 ° 33' 25.2" N 79 ° 35.073 " W</p>	<p>POI / WPT / Waypoints "01-A" "WP01-A" added 17 T 614324 4823645 43.55700°N -79.58455°E Elevation= 82.8m **all waypoints removed...</p>	<p>remove D1-A remove all WPTs downloaded WPTs download Route Choose File No file chosen upload WPTs upload Route</p>
<p>postat address or point of interest (poi) <input type="text"/></p>		<p>elevation in m 82.8</p>		<p>WP01-A 01-A</p>	

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NOV 07 2018 C6607 226901



Measurements recorded in:  Metric  Imperial

A241249

Well Owner's Information

First Name, Last Name / Organization (METROLINX), E-mail Address, Mailing Address (277 FRONT ST. W), Municipality (TORONTO), Province (ON), Postal Code (M5T 2A4), Telephone No.

Well Location

Address of Well Location (Port Credit GO Station), Township, Lot, Concession, County/District/Municipality, City/Town/Village (Port Credit), Province (Ontario), Postal Code, UTM Coordinates Zone, Easting, Northing, Municipal Plan and Sublot Number, Other.

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, Depth (m/ft) To. Rows include Sand, Clay, Silt, Gravel, Limestone, Bedrock.

Annular Space table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used (Concrete, Bentonite cl-ps), Volume Placed (10kg, 280kg).

Method of Construction (Boring, Air percussion, etc.) and Well Use (Monitoring, etc.) checkboxes.

Construction Record - Casing table with columns: Inside Diameter, Open Hole OR Material, Wall Thickness, Depth (m/ft) From, To, Status of Well.

Construction Record - Screen table with columns: Outside Diameter, Material, Slot No., Depth (m/ft) From, To.

Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level), Pumping rate, Duration of pumping, Final water level end of pumping, etc.

Map of Well Location section with instructions and a handwritten note 'See map.'.

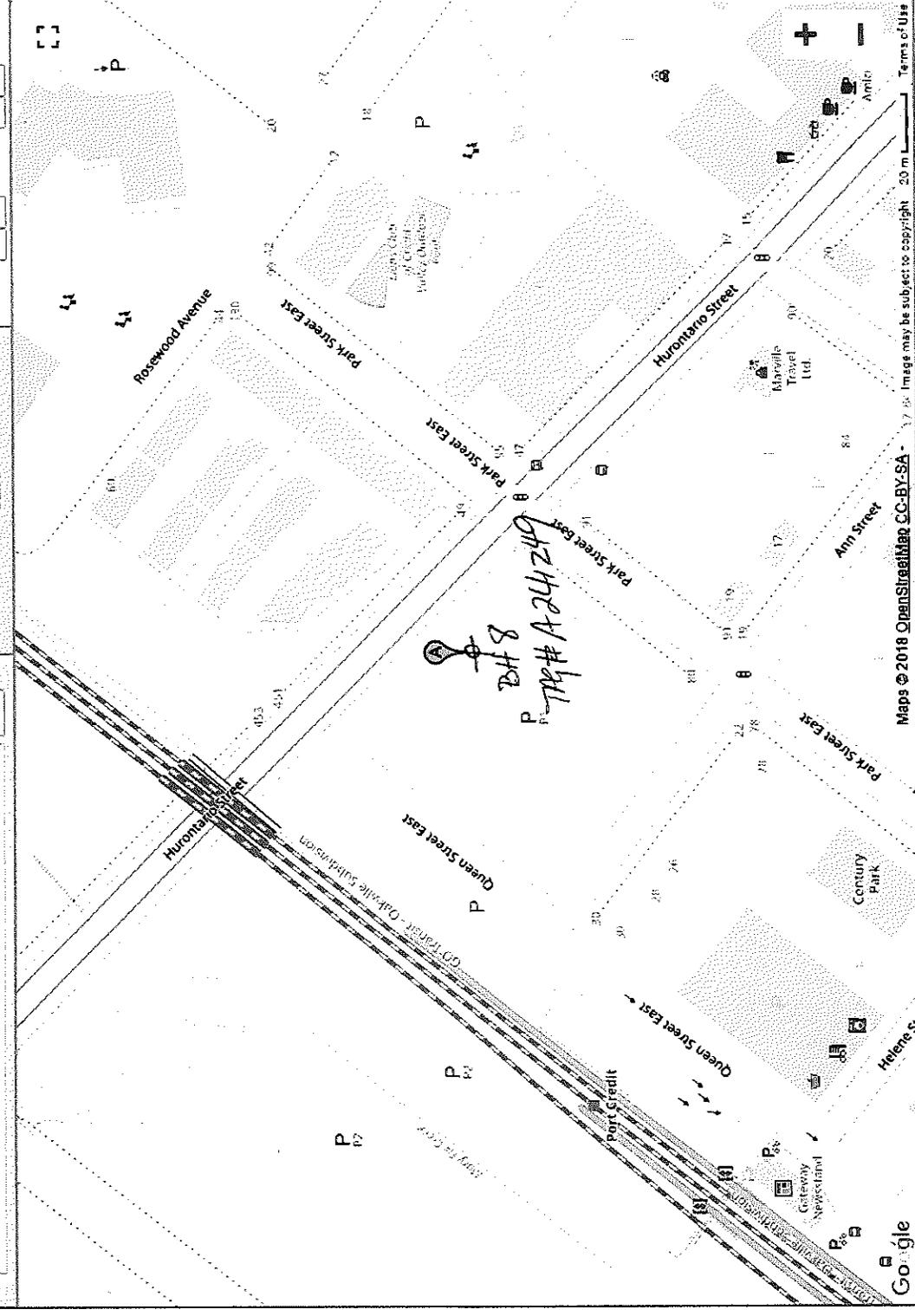
Water Details and Hole Diameter table with columns: Water found at Depth, Kind of Water, Depth (m/ft) From, To, Diameter (cm/in).

Well Contractor and Well Technician Information section with fields for Business Name (GEO - ENVIRONMENTAL DRILLING), Licence No., Business Address (1 MANSEWOOD COURT), Municipality (Halton Hills), Province (ON), Postal Code (L7J 0A1), Business E-mail Address (estimates@geo-environmentaldrilling.com).

Well owner's information package delivered (Yes/No), Date Package Delivered, Date Work Completed, Well Technician's Licence No., Signature of Technician and/or Contractor, Date Submitted.

Ministry Use Only section with Audit No. (Z266902) and Received date (NOV 07 2018).

UTM <input type="button" value="N"/> <input type="button" value="Hemis."/> 17 T 614324 x-eb. 4823645 y-no. <input type="button" value="ok"/>	dd.ddddd° Latitude: 43.55700 °N Longitude: -79.58455 °E <input type="button" value="ok"/>	dd° mm'.mmmm' 43 ° 33 ' 25.2 " N 79 ° 35 ' 4.4 " W <input type="button" value="ok"/>	dd° mm' ss.s" 43 ° 33 ' 25.2 " N 79 ° 35 ' 4.4 " W <input type="button" value="ok"/>
postal address or point of interest (poi) <input type="text" value=""/> <input type="button" value="ok"/>		elevation in m <b>82.8</b> <input type="button" value="ok"/>	
WP01-A <input type="button" value="edit"/> <input type="button" value="WP01-A"/> <input type="button" value="01-A"/> <input type="button" value="ok"/>		POI / WPT / Waypoints "01-A" "WP01-A" added 17 T 614324 4823645 43.55700°N -79.58455°E Elevation= 82.8m **all waypoints removed...	



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NOV 07 2018 C-6607 2266902



Measurements recorded in:  Metric  Imperial

Tag #: A 232825

Well Owner's Information

First Name, Last Name / Organization, E-mail Address, Mailing Address (Street Number/Name), Municipality, Province, Postal Code, Telephone No. (inc. area code)

Well Location

Address of Well Location (Street Number/Name), Township, Lot, Concession, County/District/Municipality, City/Town/Village, Province, Postal Code, UTM Coordinates, Zone, Easting, Northing, Municipal Plan and Sublot Number, Other

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³)

Method of Construction and Well Use checkboxes

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To, Status of Well

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To, Status of Well

Results of Well Yield Testing table with columns: Draw Down, Recovery, Time (min), Water Level (m/ft)

Map of Well Location section with instructions and a handwritten note 'See map'

Water Details and Hole Diameter table with columns: Water found at Depth, Kind of Water, Depth (m/ft) From, To, Diameter (cm/in)

Well Contractor and Well Technician Information section with fields for Business Name, Licence No., Address, Municipality, Province, Postal Code, Business E-mail Address

Well Technician's Licence No., Signature of Technician and/or Contractor, Date Submitted

Ministry Use Only section with fields for Audit No., Date Package Delivered, Date Work Completed, Received

UTM: N   Hemisphere: N 17 T 614162 x-est: 4823527 y-no.		dd.ddddd° Latitude: 43.55596 °N Longitude: -79.58658 °E		dd° mm' ss.S" 43 ° 33 ' 21.5 " N 79 ° 35 ' 11.7 " W		POI / WPT / Waypoints *01-A "WP01-A" added 17 T 614162 4823527 43.55596°N -79.58658°E Elevation: 82.1m **all waypoints removed...	
postal address or point of interest (poi)		elevation / m m'		WP01-A		remove 01-A download WPTs Choose File   No file chosen upload WPTs upload Route	
82.1		edit		<< < > >>		remove all WPTs download Route	

Map: Satellite | CSM  
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NOV 07 2018 C-6607 2266905



Measurements recorded in:  Metric  Imperial

Tag #: A 232747

Page 1 of 1

**Well Owner's Information**

First Name: - Last Name / Organization: **MetroInx** E-mail Address: -  Well Constructed by Well Owner

Mailing Address (Street Number/Name): **277 FRONT ST. W** Municipality: **TORONTO** Province: **ON** Postal Code: **M5V 2X4** Telephone No. (inc. area code): -

**Well Location**

Address of Well Location (Street Number/Name): **Port Credit GO Station** Township: - Lot: - Concession: -

County/District/Municipality: - City/Town/Village: **Port Credit** Province: **Ontario** Postal Code: -

UTM Coordinates: Zone: **18** Easting: **17614073** Northing: **4823449** Municipal Plan and Sublot Number: - Other: -

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	Sand	Gravel	Soft	0	1.5
Grey	Clay	Silt	Soft	1.5	3.0
Brown	Sand	Silt	Soft	3.0	4.5

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 - 3	Concrete	10 kg
3 - 1.5	Bentonite Chp.	20 kg

**Results of Well Yield Testing**

After test of well yield, water was:  
 Clear and sand free  
 Other, specify \_\_\_\_\_

If pumping discontinued, give reason: \_\_\_\_\_

Pump intake set at (m/ft): \_\_\_\_\_

Pumping rate (l/min / GPM): \_\_\_\_\_

Duration of pumping: \_\_\_\_\_ hrs + \_\_\_\_\_ min

Final water level end of pumping (m/ft): \_\_\_\_\_

If flowing give rate (l/min / GPM): \_\_\_\_\_

Recommended pump depth (m/ft): \_\_\_\_\_

Recommended pump rate (l/min / GPM): \_\_\_\_\_

Well production (l/min / GPM): \_\_\_\_\_

Disinfected?  Yes  No

Time (min)	Draw Down		Recovery	
	Water Level (m/ft)	Time (min)	Water Level (m/ft)	Time (min)
1		1		
2		2		
3		3		
4		4		
5		5		
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

**Method of Construction**

Cable Tool  Diamond  Rotary (Conventional)  Jetting  Rotary (Reverse)  Driving  Boring  Air percussion  Other, specify \_\_\_\_\_

**Well Use**

Public  Commercial  Not used  Domestic  Municipal  Dewatering  Livestock  Test Hole  Monitoring  Irrigation  Cooling & Air Conditioning  Industrial  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
5.1	POL	.65	0	1.5	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		Status of Well
			From	To	
6.4	POL	10	1.5	4.5	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Map of Well Location**

Please provide a map below following instructions on the back.

See map.

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Hole Diameter	
		Depth (m/ft)	Diameter (cm/in)
		From	To
0		4.5	15

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **GEO - ENVIRONMENTAL DRILLING** Well Contractor's Licence No.: **6607**

Business Address (Street Number/Name): **1 MANSEWOOD COURT** Municipality: **Halton Hills**

Province: **ON** Postal Code: **L7J0A1** Business E-mail Address: **estimates@geo-environmentaldrilling.com**

Bus. Telephone No. (inc. area code): **9058763388** Name of Well Technician (Last Name, First Name): **Craighan Ryan**

Well Technician's Licence No.: **2461** Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: **2018/01/31**

Comments: **BH4**

Well owner's information package delivered:  Yes  No

Date Package Delivered: **2018/01/19**

Date Work Completed: **2018/01/19**

**Ministry Use Only**

Audit No.: **2266907**

Received: **NOV 07 2018**

<p>UTM N   Hemis. 17 T 614073 x-aa 4823449 y-no</p> <p>Latitude: 43.55528 'N Longitude: -79.58770 'E</p> <p>postal address or point of interest (poi) →</p>	<p>dd° mm' ss.s"</p> <p>43 ° 33 ' 19.0 " N 79 ° 35 ' 15.7 " W</p> <p>ok</p>	<p>dd° mm' mmm"</p> <p>43 ° 33 ' 19.0 " N 79 ° 35 ' 15.7 " W</p> <p>ok</p>	<p>elevation / m</p> <p>86.0</p> <p>ok</p>	<p>POI / WPT / Waypoints</p> <p>POI-A "WP01-A" added 17 T 614073 4823449 43.55528°N -79.58770°E Elevation = 86.0m</p> <p>**all waypoints removed...</p>
---	---	--	--	---

WP01-A edit

← 01-A →

remove 01-A

download WPTs

Choose File | No file chosen

upload WPTs

remove all WPTs

download Route

upload Route

Map area showing streets: Mona Road, Vespa Drive, Port Credit, Gateway Viewsworld, Century Park, Helene Street North, Elizabeth Street North, Park Street East, Queen Street East, The Park Fiftytwo, The EXECUT, Diplomat IT Apts.

Handwritten: TAG # A232747

Map scale: 20 m

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Map © 2018 OpenStreetMap CC-BY-SA

Link Creator | Geoplayers/OSM | Coordinate Converter | Geocoding | Route Planner | Accuracy | Changelog | Terms of Use

NOV 07 2018

C-6607  
2266907



Measurements recorded in:  Metric  Imperial

A250489

Well Owner's Information

First Name, Last Name / Organization (Region of Peel), E-mail Address, Well Constructed by Well Owner

Mailing Address (10 Peel Centre Drive, Suite B), Municipality (Brampton), Province (ON), Postal Code (L6L7Y1), Telephone No. (905-791-1780)

Well Location

Address of Well Location (Front Street South approx 10m S of Lakeshore Rd. W.), Township, Lot, Concession (x5073)

County/District/Municipality, City/Town/Village (Mississauga), Province (Ontario), Postal Code

UTM Coordinates (Zone, Easting, Northing), Municipal Plan and Syblot Number, Other

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Rows include fill, silt, sand, gravel, sand, silt, and weathered shale.

Annular Space table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³). Rows include Bentonite and Sand pack.

Method of Construction and Well Use sections with checkboxes for Cable Tool, Rotary, Boring, etc.

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To. Row includes 2.0" plastic casing.

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To. Row includes 2.5" plastic screen.

Water Details and Hole Diameter tables. Water Details includes depth and kind of water. Hole Diameter includes depth and diameter.

Well Contractor and Well Technician Information

Business Name of Well Contractor (Davis Drilling Ltd.), Well Contractor's Licence No. (714712), Business Address (873 Nipissing Rd.), Municipality (Milton), Province (ON), Postal Code (L1A1Y2), Business E-mail Address (davisdrilling@bellnet.ca), Bus. Telephone No. (905-299-6115), Name of Well Technician (Daurette Jacob), Well Technician's Licence No. (319412), Signature of Technician and/or Contractor, Date Submitted (20180920)

Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Includes pumping rate, duration, and final water level.

Map of Well Location

Please provide a map below following instructions on the back.

See Map Attached labelled "A250489"

Comments field

Well owner's information package delivered, Date Package Delivered, Date Work Completed, Ministry Use Only (Audit No. Z290809, NOV 22 2018)





Measurements recorded in:  Metric  Imperial

Tag#: A258784

Well Owner's Information

First Name, Last Name (Organization), E-mail Address, Well Constructed by Well Owner

Mailing Address (Street Number/Name), Municipality, Province, Postal Code, Telephone No. (inc. area code)

Well Location

Address of Well Location (Street Number/Name), Township, Lot, Concession

County/District/Municipality, City/Town/Village, Province, Postal Code

UTM Coordinates Zone, Easting, Northing, Municipal Plan and Sublot Number, Other

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³)

Method of Construction, Well Use

Results of Well Yield Testing table with columns: Time (min), Water Level (m/ft), Recovery Time (min), Water Level (m/ft)

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To

Water Details table with columns: Water found at Depth (m/ft), Kind of Water, Hole Diameter Depth (m/ft) From, To, Diameter (cm/in)

Well Contractor and Well Technician Information

Map of Well Location, Comments, Well owner's information package delivered, Date Package Delivered, Date Work Completed, Ministry Use Only



NOV 22 2018

C-7472  
2297385



Measurements recorded in:  Metric  Imperial

Tag#: A258783

Well Owner's Information

First Name, Last Name / Organization, E-mail Address, Mailing Address, Municipality, Province, Postal Code, Telephone No.

Well Location

Address of Well Location, Township, Lot, Concession, County/District/Municipality, City/Town/Village, Province, Postal Code, UTM Coordinates, Municipal Plan and Sublot Number, Other

Overburden and Bedrock Materials/Abandonment Sealing Record

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used, Volume Placed

Method of Construction and Well Use checkboxes

Construction Record - Casing table with columns: Inside Diameter, Open Hole OR Material, Wall Thickness, Depth, Status of Well

Construction Record - Screen table with columns: Outside Diameter, Material, Slot No., Depth

Water Details and Hole Diameter tables

Well Contractor and Well Technician Information form

Results of Well Yield Testing table with columns: Draw Down, Recovery, Time, Water Level

Map of Well Location

Map area with handwritten text: See Map Attached labelled "A258783"



NOV 22 2018

C-7472  
Z 297354

Measurements recorded in:  Metric  Imperial

**Tag#: A258781**

 Page 1 of 2
**Well Owner's Information**

First Name	Last Name (Organization)	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
Region of Peel (Region Project #17-24155)			
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code
10 Peel Centre Drive, Suite B	Brampton	ON	L6Y4B9
Telephone No. (inc. area code)		905 791 7900	

**Well Location**

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lakeshore Rd W & Front Street North (NW corner)			
County/District/Municipality	City/Town/Village	Province	Postal Code
	Mississauga	Ontario	
UTM Coordinates	Zone	Easting	Northing
NAD 83	17	614110	948229012
Municipal Plan and Sublot Number		Other	

**Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
From	To			From To
Brown	Topsoil		Loose	0 1'
Brown	Fill		Loose	1' 5'
Brown	silt	sand	packed	5' 20'

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )	
From	To		
0	Bentonite		
9'	Sand pack		

Results of Well Yield Testing					
After test of well yield, water was:		Draw Down		Recovery	
<input type="checkbox"/> Clear and sand free	<input type="checkbox"/> Other, specify	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:		Static Level			
Pump intake set at (m/ft)		1		1	
Pumping rate (l/min / GPM)		2		2	
Duration of pumping _____ hrs + _____ min		3		3	
Final water level end of pumping (m/ft)		4		4	
If flowing give rate (l/min / GPM)		5		5	
Recommended pump depth (m/ft)		10		10	
Recommended pump rate (l/min / GPM)		15		15	
Well production (l/min / GPM)		20		20	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No		25		25	
		30		30	
		40		40	
		50		50	
		60		60	

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole
<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
			From	To	
2.0"	plastic	0.2"	0	10'	<input type="checkbox"/> Water Supply
					<input type="checkbox"/> Replacement Well
					<input type="checkbox"/> Test Hole
					<input type="checkbox"/> Recharge Well
					<input type="checkbox"/> Dewatering Well
					<input checked="" type="checkbox"/> Observation and/or Monitoring Hole
					<input type="checkbox"/> Alteration (Construction)
					<input type="checkbox"/> Abandoned, Insufficient Supply
					<input type="checkbox"/> Abandoned, Poor Water Quality
					<input type="checkbox"/> Abandoned, other, specify
					<input type="checkbox"/> Other, specify

Construction Record - Screen			
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)
			From
2.5"	plastic	10	10' 20'

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Depth (m/ft)	Diameter (cm/in)
		From	To
		0	20' 7.5"

Well Contractor and Well Technician Information			
Business Name of Well Contractor	Well Contractor's Licence No.		
Davis Drilling Ltd.	7141212		
Business Address (Street Number/Name)	Municipality		
873 Nipissing Rd.	Milton		
Province	Postal Code	Business E-mail Address	
ON	L1R7Y2	davisdrilling@bellnet.ca	
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)		
905 219 9115	Oracle, Alex		
Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted	
218311	<i>[Signature]</i>	20180606	

Map of Well Location			
Please provide a map below following instructions on the back.			
See Map Attached labelled "A258781"			
Comments:			
Well owner's information package delivered	Date Package Delivered	Ministry Use Only	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Y Y Y Y M M D D	Audit No. 277383	
	Date Work Completed	Received NOV 22 2018	
	20180525		



NOV 22 2018

C-7472  
ZAS  
Z277383

## Notice of Collection of Personal Information

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the *Wells Regulation*. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or [wellshelpdesk@ontario.ca](mailto:wellshelpdesk@ontario.ca).

Fields marked with an asterisk (\*) are mandatory.

Well Tag Number \*

A271784

### Type \*

Construction  Abandonment

### Measurement recorded in: \*

Metric  Imperial

## 1. Well Owner's Information

Last Name and First Name, or Organization is mandatory. \*

Last Name

First Name

Organization

EDENSHAW ANN LIMITED

Email Address

### Current Address

Unit Number

Street Number \*

Street Name \*

City/Town/Village

Country

CANADA

Province

ONTARIO

Postal Code

Telephone Number

## 2. Well Location

### Address of Well Location

Unit Number

Street Number \*

Street Name \*

Township

Lot

Concession

County/District/Municipality

City/Town

MISSISSAUGA

Province

Ontario

Postal Code

L5G 1M4

UTM Coordinates

Zone \*

Easting \*

Northing \*

Municipal Plan and Sublot Number

NAD 83

17

614293

4823539

[Test UTM in Map](#)

Other

MW 19-2

## 3. Overburden and Bedrock Material \*

Well Depth \*

90

(ft)

General Colour	Most Common Material	Other Materials	General Description	Depth From (ft)	Depth To (ft)
Brown	Till			0	15
Grey	Till			15	27

Grey	Shale	Limestone		27	90
------	-------	-----------	--	----	----

#### 4. Annular Space \*

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)
0	1	CONCRETE/CASING	0.35
1	85	BENTONITE	14.92

#### 5. Method of Construction \*

- Cable Tool     Rotary (Conventional)     Rotary (Reverse)     Boring     Air percussion     Diamond  
 Jetting     Driving     Digging     Rotary (Air)     Augering     Direct Push  
 Other (specify) \_\_\_\_\_

#### 6. Well Use \*

- Public     Industrial     Cooling & Air Conditioning  
 Domestic     Commercial     Not Used  
 Livestock     Municipal     Monitoring  
 Irrigation     Test Hole     Dewatering  
 Other (specify) \_\_\_\_\_

#### 7. Status of Well \*

- Water Supply     Replacement Well     Test Hole  
 Recharge Well     Dewatering Well     Observation and/or Monitoring Hole  
 Alteration (Construction)     Abandoned, Insufficient Supply     Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

#### 8. Construction Record - Casing \* (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)
2	Plastic	0.26	0	85

#### 9. Construction Record - Screen

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)
2.5	Plastic	10	85	90

#### 10. Water Details

Water found at Depth (ft)  Gas    Kind of Water  Fresh     Untested     Other (specify)

### 11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)
0	30	8
30	90	4

### 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (GPM)

Draw down \*

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														

Recovery \*

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)													

After test of well yield, water was

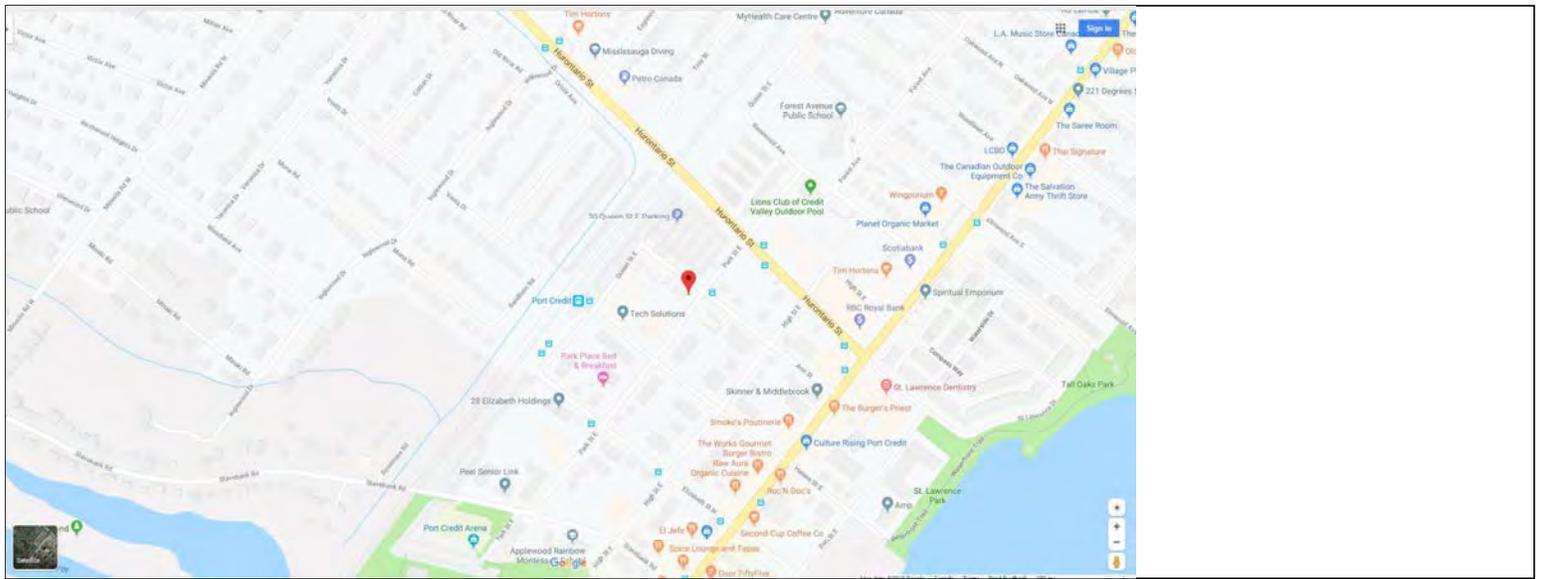
Clear and sand free  Other (specify)

Pump intake set at (ft)	Pumping rate (GPM)	Duration of pumping hrs + min	Final water level end of pumping (ft)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Recommended pump depth (ft)	Recommended pump rate (GPM)	Well production (GPM)		

### 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.

Make map area bigger



14. Information		
Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) *
		2019/08/15
Comments		

15. Well Contractor and Well Technician Information			
Business Name of Well Contractor *		Well Contractor's License Number *	
Geo-Environmental Drilling Inc.		6607	
Business Address			
Unit Number	Street Number	Street Name *	
	1	Mansewood Court	
City/Town/Village *		Province	Postal Code *
Halton Hills		Ontario	L7J 0A1
Business Telephone Number		Business Email Address	
905-876-3388		dgunn@geo-environmentaldrilling.com	
Last Name of Well Technician *		First Name of Well Technician *	Well Technician's License Number *
CICILLA		ALEX	2723

16. Declaration *		
<input checked="" type="checkbox"/> I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.		
Last Name	First Name	Email Address
CICILLA	ALEX	romana@geo-environmentaldrilling.com
Signature		Date Submitted (yyyy/mm/dd)
 Digitally signed by Alex Cicilla Date: 2019.09.13 16:24:43 -04'00'		2019/09/13

17. Ministry Use Only	
Audit Number	
8MUQ DAWX	

## Notice of Collection of Personal Information

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the *Wells Regulation*. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or [wellshelpdesk@ontario.ca](mailto:wellshelpdesk@ontario.ca).

Fields marked with an asterisk (\*) are mandatory.

Well Tag Number \*

A271735

### Type \*

Construction  Abandonment

### Measurement recorded in: \*

Metric  Imperial

## 1. Well Owner's Information

Last Name and First Name, or Organization is mandatory. \*

Last Name

KONIK

First Name

ANDREW

Organization

EDENSHAW ANN LIMITED

Email Address

### Current Address

Unit Number

Street Number \*

Street Name \*

City/Town/Village

Country

CANADA

Province

ONTARIO

Postal Code

Telephone Number

## 2. Well Location

### Address of Well Location

Unit Number

Street Number \*

Street Name \*

Township

26

ANN ST.

Lot

Concession

County/District/Municipality

PEEL

City/Town

MISSISSAUGA

Province

Ontario

Postal Code

L5G 1M4

UTM Coordinates

Zone \*

Easting \*

Northing \*

Municipal Plan and Sublot Number

NAD 83

17

614258

4823580

[Test UTM in Map](#)

Other

MW 19-4 SH

## 3. Overburden and Bedrock Material \*

Well Depth \*

120

(ft)

General Colour	Most Common Material	Other Materials	General Description	Depth From (ft)	Depth To (ft)
Brown	Till			0	15
Grey	Till			15	27

Grey	Shale	Limestone		27	120
------	-------	-----------	--	----	-----

#### 4. Annular Space \*

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)
0	1	CONCRETE/CASING	0.35
1	115	BENTONITE	17.97

#### 5. Method of Construction \*

- Cable Tool     Rotary (Conventional)     Rotary (Reverse)     Boring     Air percussion     Diamond  
 Jetting     Driving     Digging     Rotary (Air)     Augering     Direct Push  
 Other (specify) \_\_\_\_\_

#### 6. Well Use \*

- Public     Industrial     Cooling & Air Conditioning  
 Domestic     Commercial     Not Used  
 Livestock     Municipal     Monitoring  
 Irrigation     Test Hole     Dewatering  
 Other (specify) \_\_\_\_\_

#### 7. Status of Well \*

- Water Supply     Replacement Well     Test Hole  
 Recharge Well     Dewatering Well     Observation and/or Monitoring Hole  
 Alteration (Construction)     Abandoned, Insufficient Supply     Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

#### 8. Construction Record - Casing \* (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)
2	Plastic	0.26	0	115

#### 9. Construction Record - Screen

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)
2.5	Plastic	10	115	120

#### 10. Water Details

Water found at Depth (ft)  Gas    Kind of Water  Fresh     Untested     Other (specify)

### 11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)
0	30	8
30	120	4

### 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (GPM)

Draw down \*

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														

Recovery \*

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)													

After test of well yield, water was

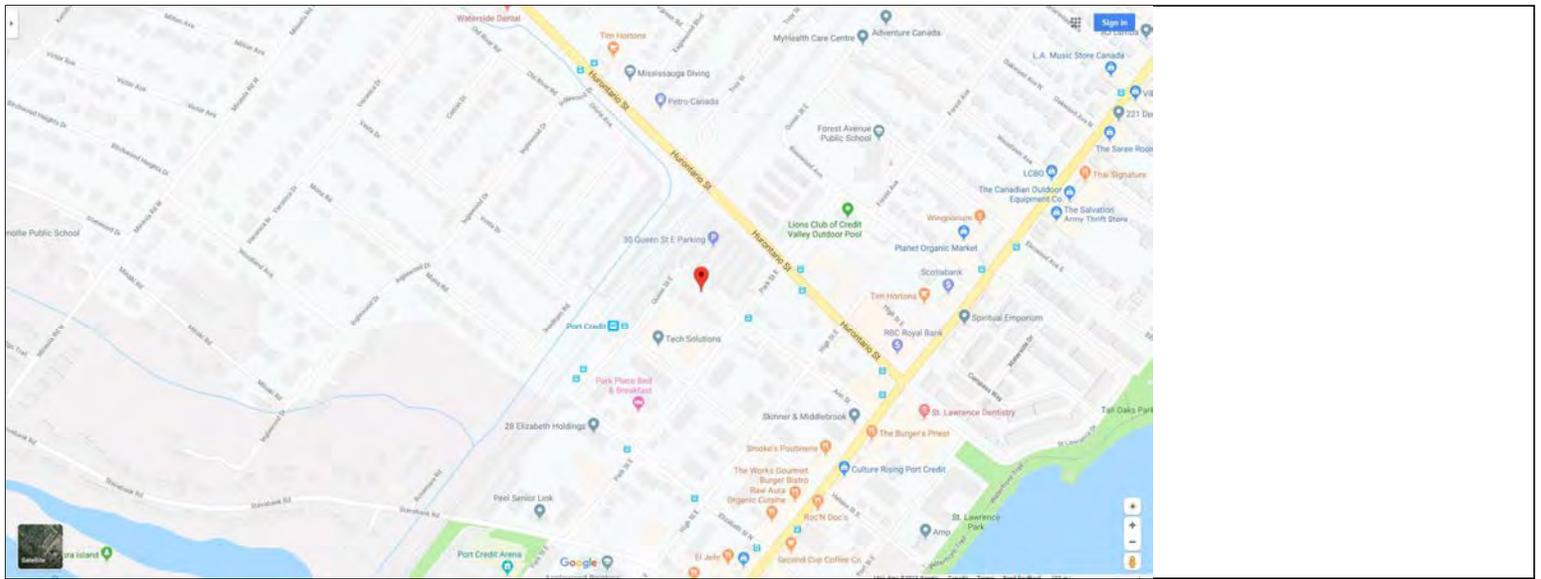
Clear and sand free  Other (specify)

Pump intake set at (ft)	Pumping rate (GPM)	Duration of pumping hrs + min	Final water level end of pumping (ft)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Recommended pump depth (ft)	Recommended pump rate (GPM)	Well production (GPM)		

### 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.

Make map area bigger



14. Information		
Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) *
		2019/08/19
Comments		

15. Well Contractor and Well Technician Information			
Business Name of Well Contractor *		Well Contractor's License Number *	
Geo-Environmental Drilling Inc.		6607	
Business Address			
Unit Number	Street Number	Street Name *	
	1	Mansewood Court	
City/Town/Village *		Province	Postal Code *
Halton Hills		Ontario	L7J 0A1
Business Telephone Number		Business Email Address	
905-876-3388		dgunn@geo-environmentaldrilling.com	
Last Name of Well Technician *		First Name of Well Technician *	Well Technician's License Number *
CICILLA		ALEX	2723

16. Declaration *		
<input checked="" type="checkbox"/> I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.		
Last Name	First Name	Email Address
CICILLA	ALEX	romana@geo-environmentaldrilling.com
Signature		Date Submitted (yyyy/mm/dd)
 Digitally signed by Alex Cicilla Date: 2019.09.16 11:14:59 -04'00'		2019/09/16

17. Ministry Use Only	
Audit Number	
GRLF U7D8	

## Notice of Collection of Personal Information

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or [wellshelpdesk@ontario.ca](mailto:wellshelpdesk@ontario.ca).

Fields marked with an asterisk (\*) are mandatory.

Well Tag Number \*

A264691

### Type \*

Construction  Abandonment

### Measurement recorded in: \*

Metric  Imperial

## 1. Well Owner's Information

Last Name and First Name, or Organization is mandatory. \*

Last Name

KONIK

First Name

ANDREW

Organization

EDENSHAW ANN LIMITED

Email Address

### Current Address

Unit Number

Street Number \*

Street Name \*

City/Town/Village

Country

CANADA

Province

ONTARIO

Postal Code

Telephone Number

## 2. Well Location

### Address of Well Location

Unit Number

Street Number \*

Street Name \*

Township

Lot

Concession

County/District/Municipality

City/Town

MISSISSAUGA

Province

Ontario

Postal Code

L5G 1M4

UTM Coordinates

Zone \*

Easting \*

Northing \*

Municipal Plan and Sublot Number

NAD 83

17

614271

4823536

[Test UTM in Map](#)

Other

MW 19-3

## 3. Overburden and Bedrock Material \*

Well Depth \*

27

(ft)

General Colour	Most Common Material	Other Materials	General Description	Depth From (ft)	Depth To (ft)
Brown	Till			0	15
Grey	Till			15	27

**4. Annular Space \***

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)
0	1	CONCRETE/CASING	0.35
1	16	BENTONITE	5.23

**5. Method of Construction \***

- Cable Tool     Rotary (Conventional)     Rotary (Reverse)     Boring     Air percussion     Diamond  
 Jetting     Driving     Digging     Rotary (Air)     Augering     Direct Push  
 Other (specify) \_\_\_\_\_

**6. Well Use \***

- Public     Industrial     Cooling & Air Conditioning  
 Domestic     Commercial     Not Used  
 Livestock     Municipal     Monitoring  
 Irrigation     Test Hole     Dewatering  
 Other (specify) \_\_\_\_\_

**7. Status of Well \***

- Water Supply     Replacement Well     Test Hole  
 Recharge Well     Dewatering Well     Observation and/or Monitoring Hole  
 Alteration (Construction)     Abandoned, Insufficient Supply     Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

**8. Construction Record - Casing \*** (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)
2	Plastic	0.26	0	17

**9. Construction Record - Screen**

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)
2.5	Plastic	10	17	27

**10. Water Details**

Water found at Depth (ft)  Gas    Kind of Water  Fresh     Untested     Other (specify)

## 11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)
0	27	8

## 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (GPM)

Draw down \*

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														

Recovery \*

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)													

After test of well yield, water was

Clear and sand free  Other (specify)

Pump intake set at (ft)	Pumping rate (GPM)	Duration of pumping hrs + min	Final water level end of pumping (ft)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Recommended pump depth (ft)	Recommended pump rate (GPM)	Well production (GPM)

## 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.

Make map area bigger



**14. Information**

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) *
		2019/08/22
Comments		

**15. Well Contractor and Well Technician Information**

Business Name of Well Contractor *		Well Contractor's License Number *	
Geo-Environmental Drilling Inc.		6607	
<b>Business Address</b>			
Unit Number	Street Number	Street Name *	
	1	Mansewood Court	
City/Town/Village *		Province	Postal Code *
Halton Hills		Ontario	L7J 0A1
Business Telephone Number	Business Email Address		
905-876-3388	dgunn@geo-environmentaldrilling.com		
Last Name of Well Technician *	First Name of Well Technician *	Well Technician's License Number *	
CICILLA	ALEX	2723	

**16. Declaration \***

I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name	First Name	Email Address
CICILLA	ALEX	romana@geo-environmentaldrilling.com
Signature	Date Submitted (yyyy/mm/dd)	
Alex Cicilla  Digitally signed by Alex Cicilla Date: 2019.09.16 12:44:52 -04'00'	2019/09/16	

**17. Ministry Use Only**

Audit Number  
LBX2 P5WQ

## Notice of Collection of Personal Information

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the *Wells Regulation*. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or [wellshelpdesk@ontario.ca](mailto:wellshelpdesk@ontario.ca).

Fields marked with an asterisk (\*) are mandatory.

Well Tag Number \*

A271753

### Type \*

Construction  Abandonment

### Measurement recorded in: \*

Metric  Imperial

## 1. Well Owner's Information

Last Name and First Name, or Organization is mandatory. \*

Last Name

KONIK

First Name

ANDREW

Organization

EDENSHAW ANN LIMITED

Email Address

### Current Address

Unit Number

Street Number \*

Street Name \*

City/Town/Village

Country

CANADA

Province

ONTARIO

Postal Code

Telephone Number

## 2. Well Location

### Address of Well Location

Unit Number

Street Number \*

Street Name \*

Township

26

ANN ST.

Lot

Concession

County/District/Municipality

PEEL

City/Town

MISSISSAUGA

Province

Ontario

Postal Code

L5G 1M4

UTM Coordinates

Zone \* Easting \*

Northing \*

Municipal Plan and Sublot Number

NAD 83

17

614258

4823580

[Test UTM in Map](#)

Other

MW 19-4 DH

## 3. Overburden and Bedrock Material \*

Well Depth \*

156

(ft)

General Colour	Most Common Material	Other Materials	General Description	Depth From (ft)	Depth To (ft)
Brown	Till			0	15
Grey	Till			15	27

Grey	Shale	Limestone		27	156
------	-------	-----------	--	----	-----

#### 4. Annular Space \*

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)
0	1	CONCRETE/CASING	0.35
1	151	BENTONITE	20.68

#### 5. Method of Construction \*

- Cable Tool   
 Rotary (Conventional)   
 Rotary (Reverse)   
 Boring   
 Air percussion   
 Diamond  
 Jetting   
 Driving   
 Digging   
 Rotary (Air)   
 Augering   
 Direct Push  
 Other (specify) \_\_\_\_\_

#### 6. Well Use \*

- Public   
 Industrial   
 Cooling & Air Conditioning  
 Domestic   
 Commercial   
 Not Used  
 Livestock   
 Municipal   
 Monitoring  
 Irrigation   
 Test Hole   
 Dewatering  
 Other (specify) \_\_\_\_\_

#### 7. Status of Well \*

- Water Supply   
 Replacement Well   
 Test Hole  
 Recharge Well   
 Dewatering Well   
 Observation and/or Monitoring Hole  
 Alteration (Construction)   
 Abandoned, Insufficient Supply   
 Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

#### 8. Construction Record - Casing \* (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)
2	Plastic	0.26	0	151

#### 9. Construction Record - Screen

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)
2.5	Plastic	10	151	156

#### 10. Water Details

Water found at Depth (ft)  Gas    Kind of Water  Fresh     Untested     Other (specify)

### 11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)
0	30	8
30	156	4

### 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (GPM)

Draw down \*

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														

Recovery \*

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)													

After test of well yield, water was

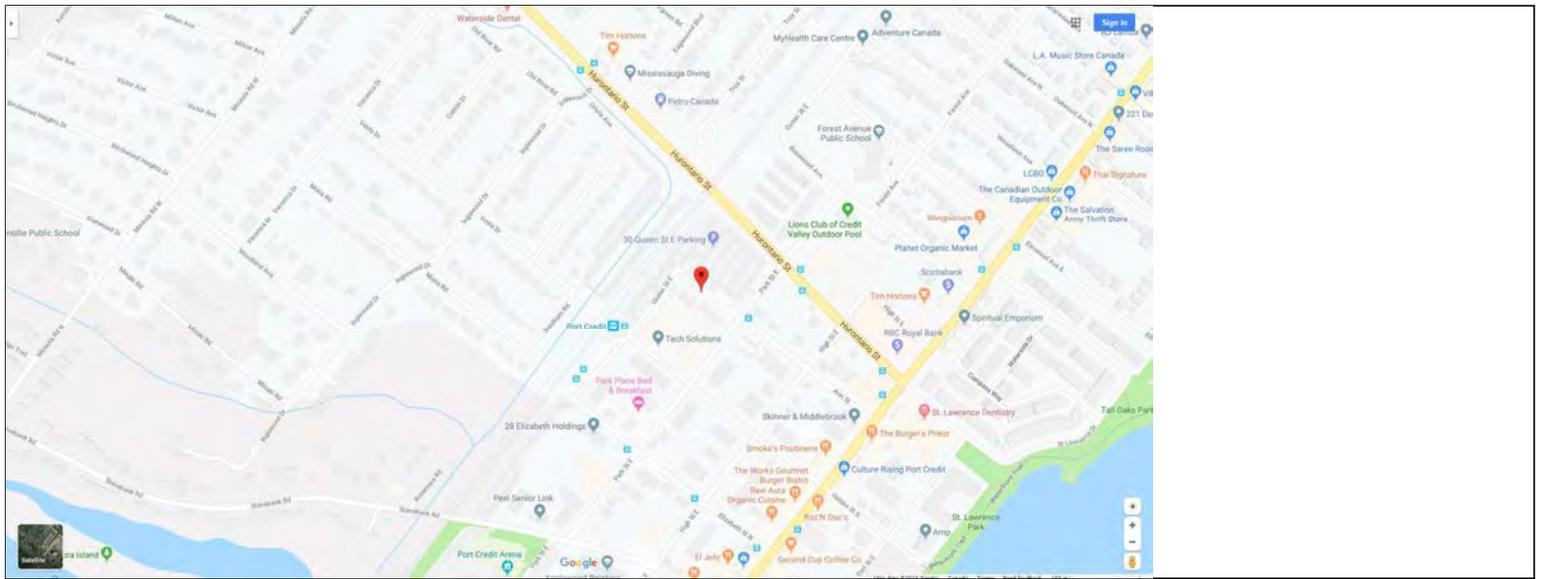
Clear and sand free  Other (specify)

Pump intake set at (ft)	Pumping rate (GPM)	Duration of pumping hrs + min	Final water level end of pumping (ft)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Recommended pump depth (ft)	Recommended pump rate (GPM)	Well production (GPM)		

### 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.

Make map area bigger



14. Information		
Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) *
		2019/08/21
Comments		

15. Well Contractor and Well Technician Information			
Business Name of Well Contractor *		Well Contractor's License Number *	
Geo-Environmental Drilling Inc.		6607	
Business Address			
Unit Number	Street Number	Street Name *	
	1	Mansewood Court	
City/Town/Village *		Province	Postal Code *
Halton Hills		Ontario	L7J 0A1
Business Telephone Number		Business Email Address	
905-876-3388		dgunn@geo-environmentaldrilling.com	
Last Name of Well Technician *		First Name of Well Technician *	Well Technician's License Number *
CICILLA		ALEX	2723

16. Declaration *		
<input checked="" type="checkbox"/> I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.		
Last Name	First Name	Email Address
CICILLA	ALEX	romana@geo-environmentaldrilling.com
Signature		Date Submitted (yyyy/mm/dd)
 Digitally signed by Alex Cicilla Date: 2019.09.16 11:07:10 -04'00'		2019/09/16

17. Ministry Use Only	
Audit Number	
TOJ5 WP3R	

## Notice of Collection of Personal Information

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or [wellshelpdesk@ontario.ca](mailto:wellshelpdesk@ontario.ca).

Fields marked with an asterisk (\*) are mandatory.

Well Tag Number \*

A264678

### Type \*

Construction  Abandonment

### Measurement recorded in: \*

Metric  Imperial

## 1. Well Owner's Information

Last Name and First Name, or Organization is mandatory. \*

Last Name

First Name

Organization

EDENSHAW ANN LIMITED

Email Address

### Current Address

Unit Number

Street Number \*

Street Name \*

City/Town/Village

Country

CANADA

Province

ONTARIO

Postal Code

Telephone Number

## 2. Well Location

### Address of Well Location

Unit Number

Street Number \*

Street Name \*

Township

Lot

Concession

County/District/Municipality

PEEL

City/Town

MISSISSAUGA

Province

Ontario

Postal Code

L5G 1M4

UTM Coordinates

Zone \*

Easting \*

Northing \*

Municipal Plan and Sublot Number

NAD 83

17

614288

4823524

[Test UTM in Map](#)

Other

MW 19-1

## 3. Overburden and Bedrock Material \*

Well Depth \*

87

(ft)

General Colour	Most Common Material	Other Materials	General Description	Depth From (ft)	Depth To (ft)
Brown	Till			0	15
Grey	Till			15	27

Grey	Shale	Limestone		27	87
------	-------	-----------	--	----	----

#### 4. Annular Space \*

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)
0	1	CONCRETE/CASING	0.35
1	82	BENTONITE	14.22

#### 5. Method of Construction \*

- Cable Tool     Rotary (Conventional)     Rotary (Reverse)     Boring     Air percussion     Diamond  
 Jetting     Driving     Digging     Rotary (Air)     Augering     Direct Push  
 Other (specify) \_\_\_\_\_

#### 6. Well Use \*

- Public     Industrial     Cooling & Air Conditioning  
 Domestic     Commercial     Not Used  
 Livestock     Municipal     Monitoring  
 Irrigation     Test Hole     Dewatering  
 Other (specify) \_\_\_\_\_

#### 7. Status of Well \*

- Water Supply     Replacement Well     Test Hole  
 Recharge Well     Dewatering Well     Observation and/or Monitoring Hole  
 Alteration (Construction)     Abandoned, Insufficient Supply     Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

#### 8. Construction Record - Casing \* (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)
2	Plastic	0.26	0	82

#### 9. Construction Record - Screen

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)
2.5	Plastic	10	82	87

#### 10. Water Details

Water found at Depth (ft)  Gas    Kind of Water  Fresh     Untested     Other (specify)

### 11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)
0	30	8
30	87	4

### 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (GPM)

Draw down \*

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														

Recovery \*

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)													

After test of well yield, water was

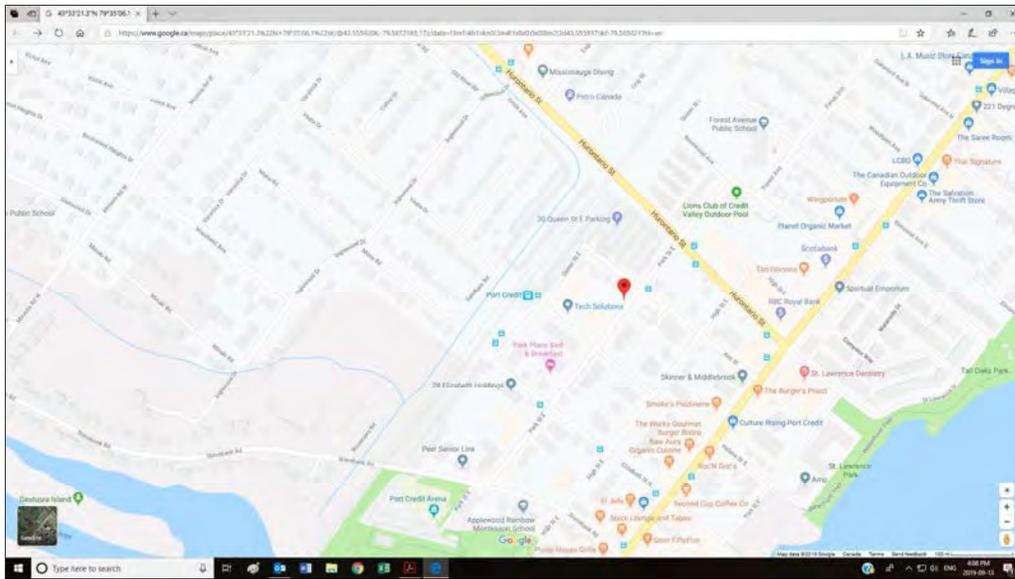
Clear and sand free  Other (specify)

Pump intake set at (ft)	Pumping rate (GPM)	Duration of pumping hrs + min	Final water level end of pumping (ft)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Recommended pump depth (ft)	Recommended pump rate (GPM)	Well production (GPM)		

### 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.

Make map area bigger



#### 14. Information

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) *
		2019/08/14
Comments		

#### 15. Well Contractor and Well Technician Information

Business Name of Well Contractor *		Well Contractor's License Number *	
Geo-Environmental Drilling Inc.		6607	
<b>Business Address</b>			
Unit Number	Street Number	Street Name *	
	1	Mansewood Court	
City/Town/Village *		Province	Postal Code *
Halton Hills		Ontario	L7J 0A1
Business Telephone Number	Business Email Address		
905-876-3388	dgunn@geo-environmentaldrilling.com		
Last Name of Well Technician *		First Name of Well Technician *	Well Technician's License Number *
CICILLA		ALEX	2723

#### 16. Declaration \*

I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name	First Name	Email Address
CICILLA	ALEX	romana@geo-environmentaldrilling.com
Signature		Date Submitted (yyyy/mm/dd)
Alex Cicilla <i>Digitally signed by Alex Cicilla Date: 2019.09.13 16:17:43 -04'00'</i>		2019/09/13

#### 17. Ministry Use Only

Audit Number  
WBVY TTLD



Measurements recorded in:  Metric  Imperial

A239126

Well Owner's Information

First Name, Last Name / Organization (MetroLinx), E-mail Address, Mailing Address (277 Front St. West), Municipality (Toronto), Province (ON), Postal Code (M5V 2X4), Telephone No.

Well Location

Address of Well Location (PORT CREDIT GO STATION), Township, Lot, Concession, City/Town/Village (MISSISSAUGA), Province (Ontario), Postal Code, UTM Coordinates, Zone, Easting, Northing, Municipal Plan and Sublot Number, Other

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

Table with columns: General Colour, Most Common Material (SAND, SILT, TILL, SHALE), Other Materials, General Description, Depth (m/ft) From, To

Annular Space table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³)

Method of Construction and Well Use checkboxes: Cable Tool, Rotary, Boring, Diamond, Jetting, Driving, Digging, Public, Commercial, Domestic, Livestock, Irrigation, Industrial, Municipal, Test Hole, Cooling & Air Conditioning, Not used, Dewatering, Monitoring

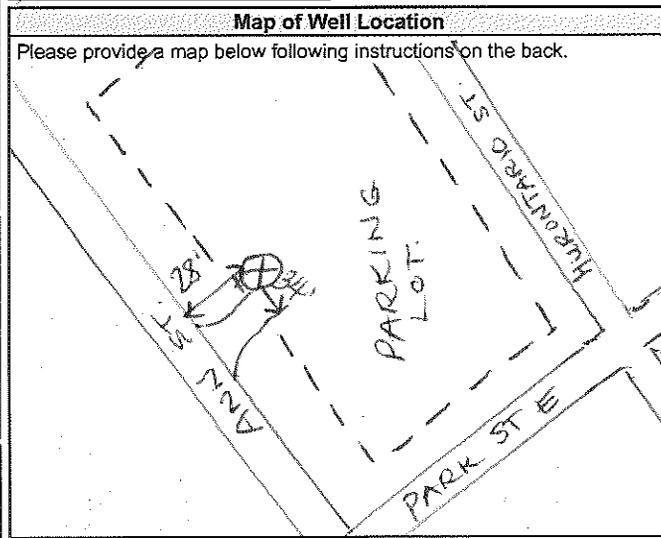
Construction Record - Casing table with columns: Inside Diameter, Open Hole OR Material, Wall Thickness, Depth (m/ft) From, To; Status of Well checkboxes

Construction Record - Screen table with columns: Outside Diameter, Material, Slot No., Depth (m/ft) From, To; Status of Well checkboxes

Water Details and Hole Diameter tables with columns: Water found at Depth, Kind of Water, Depth (m/ft) From, To, Diameter (cm/in)

Well Contractor and Well Technician Information: Business Name (PONTIL DRILLING), Business Address (6 Albert St), Province (ON), Business E-mail Address (info@pontildrilling.com), Name of Well Technician (Smith, GREG), Well Contractor's Licence No. (7131813), Municipality (Mt Albert), Bus. Telephone No. (21891338/11838), Well Technician's Licence No. (2181818), Date Submitted (2018/01/26)

Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level), Static Level, Pump intake set at, Pumping rate, Duration of pumping, Final water level end of pumping, If flowing give rate, Recommended pump depth, Recommended pump rate, Well production, Disinfected?



Ministry Use Only: Audit No. (2275350), Date Package Delivered, Date Work Completed (2018/01/13), Received (NOV 23 2018)

**Notice of Collection of Personal Information**

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Fields marked with an asterisk (\*) are mandatory.

Well Tag Number *
A283617

**Type \***

Construction       Abandonment

**Measurement recorded in: \***

Metric       Imperial

**1. Well Owner's Information**

Last Name and First Name, or Organization is mandatory. \*

Last Name	First Name
[Redacted]	[Redacted]
Organization	Email Address
Metrolinx	[Redacted]

**Current Address**

Unit Number	Street Number *	Street Name *	City/Town/Village
[Redacted]	[Redacted]	[Redacted]	[Redacted]
Country	Province	Postal Code	Telephone Number
Canada	ON	[Redacted]	[Redacted]

**2. Well Location**

**Address of Well Location**

Unit Number	Street Number *	Street Name *	Township
	30	Queen St East	
Lot	Concession	County/District/Municipality	
		Toronto	
City/Town	Province	Postal Code	
Mississauga	Ontario	L5G 3B6	
UTM Coordinates	Zone *	Easting *	Northing *
NAD 83	17	614300	4823647
			Municipal Plan and Sublot Number
			<a href="#">Test UTM in Map</a>

Other

**3. Overburden and Bedrock Material \***

Well Depth *	4.57	(m)			
General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

				(m)	(m)
Brown	Fill	Sand	Loose	0	1.52

#### 4. Annular Space \*

Depth From (m)	Depth To (m)	Type of Sealant Used (Material and Type)	Volume Placed (cubic metres)
0.3	0.3	Concrete/Casing	0.001
0.3	1.52	Bentonite	0.002
1.52	4.57	Sand	0.141

#### 5. Method of Construction \*

- Cable Tool     Rotary (Conventional)     Rotary (Reverse)     Boring     Air percussion     Diamond  
 Jetting     Driving     Digging     Rotary (Air)     Augering     Direct Push  
 Other (specify) Augering

#### 6. Well Use \*

- Public     Industrial     Cooling & Air Conditioning  
 Domestic     Commercial     Not Used  
 Livestock     Municipal     Monitoring  
 Irrigation     Test Hole     Dewatering  
 Other (specify) \_\_\_\_\_

#### 7. Status of Well \*

- Water Supply     Replacement Well     Test Hole  
 Recharge Well     Dewatering Well     Observation and/or Monitoring Hole  
 Alteration (Construction)     Abandoned, Insufficient Supply     Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

#### 8. Construction Record - Casing \* (use negative number(s) to indicate depth above ground surface)

Inside Diameter (cm)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (m)	Depth To (m)
5	Plastic	0.39	0	1.52

#### 9. Construction Record - Screen

Outside Diameter (cm)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (m)	Depth To (m)
6	Plastic	20	1.52	4.57

## 10. Water Details

Water found at Depth (m)  Gas Kind of water  Fresh  Untested  Other

## 11. Hole Diameter

Depth From (m)	Depth To (m)	Diameter (cm)
0	4.57	21

## 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (L/min)

Draw down

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)														

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)													

After test of well yield, water was

Clear and sand free  Other (specify)

Pump intake set at (m)	Pumping rate (L/min)	Duration of pumping hrs + min	Final water level end of pumping (m)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
------------------------	----------------------	-------------------------------	--------------------------------------	---

Recommended pump depth (m)	Recommended pump rate (L/min)	Well production (L/min)
----------------------------	-------------------------------	-------------------------

## 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.  Make map area bigger



14. Information		
Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd) 2020/07/24	Date Work Completed (yyyy/mm/dd) * 2020/07/24
Comments		

15. Well Contractor and Well Technician Information			
Business Name of Well Contractor * All In Environmental and Industrial SVCS Inc.		Well Contractor's License Number * 7609	
<b>Business Address</b>			
Unit Number	Street Number	Street Name * 594 Alberta Ave	
City/Town/Village * Woodstock		Province ON	Postal Code * N4V 0A3
Business Telephone Number 226-228-5453	Business Email Address allinenvironmental@gmail.com		
Last Name of Well Technician * McRae	First Name of Well Technician * James	Well Technician's License Number * 3679	

16. Declaration *		
<input checked="" type="checkbox"/> I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.		
Last Name McRae	First Name James	Email Address allinenvironmental@gmail.com
Signature James McRae		Date Submitted (yyyy/mm/dd) 2020/08/06
Digitally signed by James McRae Date: 2020.08.07 09:56:07 -04'00'		

17. Ministry Use Only
Audit Number 2QGO 89A5

**Notice of Collection of Personal Information**

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Fields marked with an asterisk (\*) are mandatory.

Well Tag Number *
A283618

**Type \***

Construction       Abandonment

**Measurement recorded in: \***

Metric       Imperial

**1. Well Owner's Information**

Last Name and First Name, or Organization is mandatory. \*

Last Name	First Name
[Redacted]	[Redacted]
Organization	Email Address
Metrolinx	[Redacted]

**Current Address**

Unit Number	Street Number *	Street Name *	City/Town/Village
[Redacted]	[Redacted]	[Redacted]	[Redacted]
Country	Province	Postal Code	Telephone Number
Canada	ON	[Redacted]	[Redacted]

**2. Well Location**

**Address of Well Location**

Unit Number	Street Number *	Street Name *	Township
	30	Queen St East	
Lot	Concession	County/District/Municipality	
		Toronto	
City/Town	Province	Postal Code	
Mississauga	Ontario	L5G 3B6	
UTM Coordinates	Zone *	Easting *	Northing *
NAD 83	17	614264	4823606
			Municipal Plan and Sublot Number
			<a href="#">Test UTM in Map</a>

Other

**3. Overburden and Bedrock Material \***

Well Depth *	4.57	(m)			
General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

				(m)	(m)
Brown	Fill	Sand	Loose	0	1.52
Brown	Sand		Wet	1.52	3.05
Brown	Sand	Silt	Gravel	3.05	4.57

#### 4. Annular Space \*

Depth From (m)	Depth To (m)	Type of Sealant Used (Material and Type)	Volume Placed (cubic metres)
0	0.3	Concrete/Casing	0.001
0.3	1.52	Bentonite	0.002
1.52	4.57	Sand	0.141

#### 5. Method of Construction \*

- Cable Tool     Rotary (Conventional)     Rotary (Reverse)     Boring     Air percussion     Diamond  
 Jetting     Driving     Digging     Rotary (Air)     Augering     Direct Push  
 Other (specify) \_\_\_\_\_

#### 6. Well Use \*

- Public     Industrial     Cooling & Air Conditioning  
 Domestic     Commercial     Not Used  
 Livestock     Municipal     Monitoring  
 Irrigation     Test Hole     Dewatering  
 Other (specify) \_\_\_\_\_

#### 7. Status of Well \*

- Water Supply     Replacement Well     Test Hole  
 Recharge Well     Dewatering Well     Observation and/or Monitoring Hole  
 Alteration (Construction)     Abandoned, Insufficient Supply     Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

#### 8. Construction Record - Casing \* (use negative number(s) to indicate depth above ground surface)

Inside Diameter (cm)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (m)	Depth To (m)
5	Plastic	0.5	0	1.52

### 9. Construction Record - Screen

Outside Diameter (cm)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (m)	Depth To (m)
6	Plastic	0.01	1.52	4.57

### 10. Water Details

Water found at Depth (m)  Gas Kind of water  Fresh  Untested  Other

### 11. Hole Diameter

Depth From (m)	Depth To (m)	Diameter (cm)
0	4.57	21

### 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (L/min)

Draw down

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)														

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)													

After test of well yield, water was

Clear and sand free  Other (specify)

Pump intake set at (m)	Pumping rate (L/min)	Duration of pumping hrs + min	Final water level end of pumping (m)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Recommended pump depth (m)	Recommended pump rate (L/min)	Well production (L/min)

### 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.  Make map area bigger



20-9147-A

Tag #A283618 - MW2  
July 24, 2020.

Google Earth

90 m

#### 14. Information

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd) 2020/07/24	Date Work Completed (yyyy/mm/dd) * 2020/07/24
Comments		

#### 15. Well Contractor and Well Technician Information

Business Name of Well Contractor * All In Environmental and Industrial SVCS Inc		Well Contractor's License Number * 7609	
<b>Business Address</b>			
Unit Number	Street Number 594	Street Name * Alberta Ave	
City/Town/Village * Woodstock		Province ON	Postal Code * N4V 0A3
Business Telephone Number 226-228-5453	Business Email Address allinenvironmental@gmail.com		
Last Name of Well Technician * McRae	First Name of Well Technician * James	Well Technician's License Number * 3679	

#### 16. Declaration \*

I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name McRae	First Name James	Email Address allinenvironmental@gmail.com
Signature James McRae		Date Submitted (yyyy/mm/dd) 2020/08/06
Digitally signed by James McRae Date: 2020.08.07 09:59:17 -04'00'		

#### 17. Ministry Use Only

Audit Number  
4XE7 ZMP4

**Notice of Collection of Personal Information**

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or [wellshelpdesk@ontario.ca](mailto:wellshelpdesk@ontario.ca).

Fields marked with an asterisk (\*) are mandatory.

Well Tag Number *
A283540

**Type \***

Construction       Abandonment

**Measurement recorded in: \***

Metric       Imperial

**1. Well Owner's Information**

Last Name and First Name, or Organization is mandatory. \*

Last Name	First Name
[Redacted]	[Redacted]
Organization	Email Address
Metrolinx	[Redacted]

**Current Address**

Unit Number	Street Number *	Street Name *	City/Town/Village
[Redacted]	[Redacted]	[Redacted]	[Redacted]
Country	Province	Postal Code	Telephone Number
Canada	ON	[Redacted]	[Redacted]

**2. Well Location**

**Address of Well Location**

Unit Number	Street Number *	Street Name *	Township
	30	Queen St East	
Lot	Concession	County/District/Municipality	
		Toronto	
City/Town	Province	Postal Code	
Mississauga	Ontario	L5G 3B6	
UTM Coordinates	Zone *	Easting *	Northing *
NAD 83	17	614314	4823565
			Municipal Plan and Sublot Number
			<a href="#">Test UTM in Map</a>

Other

**3. Overburden and Bedrock Material \***

Well Depth *	4.57	(m)			
General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

				(m)	(m)
Brown	Fill	Sand	Loose	0	1.52
Brown	Sand		Wet	1.52	3.05
Brown	Sand	Silt	Gravel	3.05	4.57

#### 4. Annular Space \*

Depth From (m)	Depth To (m)	Type of Sealant Used (Material and Type)	Volume Placed (cubic metres)
0	0.3	Concrete/Casing	0.001
0.3	1.52	Bentonite	0.002
1.52	4.57	Sand	0.141

#### 5. Method of Construction \*

- Cable Tool     Rotary (Conventional)     Rotary (Reverse)     Boring     Air percussion     Diamond  
 Jetting     Driving     Digging     Rotary (Air)     Augering     Direct Push  
 Other (specify) \_\_\_\_\_

#### 6. Well Use \*

- Public     Industrial     Cooling & Air Conditioning  
 Domestic     Commercial     Not Used  
 Livestock     Municipal     Monitoring  
 Irrigation     Test Hole     Dewatering  
 Other (specify) \_\_\_\_\_

#### 7. Status of Well \*

- Water Supply     Replacement Well     Test Hole  
 Recharge Well     Dewatering Well     Observation and/or Monitoring Hole  
 Alteration (Construction)     Abandoned, Insufficient Supply     Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

#### 8. Construction Record - Casing \* (use negative number(s) to indicate depth above ground surface)

Inside Diameter (cm)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (m)	Depth To (m)
5	Plastic	0.5	0	1.52

### 9. Construction Record - Screen

Outside Diameter (cm)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (m)	Depth To (m)
6	Plastic	0.01	1.52	4.57

### 10. Water Details

Water found at Depth (m)  Gas Kind of water  Fresh  Untested  Other

### 11. Hole Diameter

Depth From (m)	Depth To (m)	Diameter (cm)
0	4.57	21

### 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (L/min)

Draw down

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)														

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)													

After test of well yield, water was

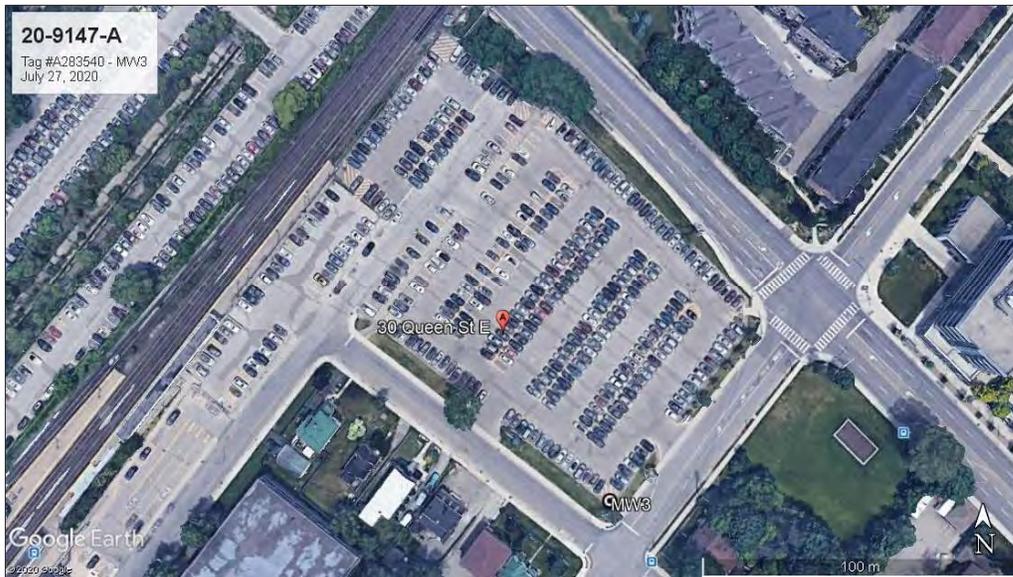
Clear and sand free  Other (specify)

Pump intake set at (m)	Pumping rate (L/min)	Duration of pumping hrs + min	Final water level end of pumping (m)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Recommended pump depth (m)	Recommended pump rate (L/min)	Well production (L/min)

### 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.  Make map area bigger



**14. Information**

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd) 2020/07/24	Date Work Completed (yyyy/mm/dd) * 2020/07/27
Comments		

**15. Well Contractor and Well Technician Information**

Business Name of Well Contractor * All In Environmental and Industrial SVCS Inc		Well Contractor's License Number * 7609	
<b>Business Address</b>			
Unit Number	Street Number 594	Street Name * Alberta Ave	
City/Town/Village * Woodstock		Province ON	Postal Code * N4V 0A3
Business Telephone Number 226-228-5453	Business Email Address allinenvironmental@gmail.com		
Last Name of Well Technician * McRae	First Name of Well Technician * James	Well Technician's License Number * 3679	

**16. Declaration \***

I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name McRae	First Name James	Email Address allinenvironmental@gmail.com
Signature James McRae		Date Submitted (yyyy/mm/dd) 2020/08/06
Digitally signed by James McRae Date: 2020.08.07 10:01:29 -04'00'		

**17. Ministry Use Only**

Audit Number 5NZ4 J5JW
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**Notice of Collection of Personal Information**

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or [wellshelpdesk@ontario.ca](mailto:wellshelpdesk@ontario.ca).

Fields marked with an asterisk (\*) are mandatory.

Well Tag Number *
A283539

**Type \***

Construction       Abandonment

**Measurement recorded in: \***

Metric       Imperial

**1. Well Owner's Information**

Last Name and First Name, or Organization is mandatory. \*

Last Name	First Name
[Redacted]	[Redacted]
Organization	Email Address
Metrolinx	[Redacted]

**Current Address**

Unit Number	Street Number *	Street Name *	City/Town/Village
[Redacted]	[Redacted]	[Redacted]	[Redacted]
Country	Province	Postal Code	Telephone Number
Canada	ON	[Redacted]	[Redacted]

**2. Well Location**

**Address of Well Location**

Unit Number	Street Number *	Street Name *	Township
	30	Queen St. East	
Lot	Concession	County/District/Municipality	
		Toronto	
City/Town	Province	Postal Code	
Mississauga	Ontario	L5G 3B6	
UTM Coordinates	Zone *	Easting *	Northing *
NAD 83	17	614337	4823610
			Municipal Plan and Sublot Number
			<a href="#">Test UTM in Map</a>

Other

**3. Overburden and Bedrock Material \***

Well Depth *	5.18	(m)			
General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

				(m)	(m)
Brown	Fill	Sand	Loose	0	1.52
Brown	Sand		Wet	1.52	3.05
Brown	Sand	Silt	Gravel	3.05	5.18

#### 4. Annular Space \*

Depth From (m)	Depth To (m)	Type of Sealant Used (Material and Type)	Volume Placed (cubic metres)
0	0.3	Concrete/Casing	0.001
0.3	1.83	Bentonite	0.002
1.83	5.18	Sand	0.139

#### 5. Method of Construction \*

- Cable Tool     Rotary (Conventional)     Rotary (Reverse)     Boring     Air percussion     Diamond  
 Jetting     Driving     Digging     Rotary (Air)     Augering     Direct Push  
 Other (specify) \_\_\_\_\_

#### 6. Well Use \*

- Public     Industrial     Cooling & Air Conditioning  
 Domestic     Commercial     Not Used  
 Livestock     Municipal     Monitoring  
 Irrigation     Test Hole     Dewatering  
 Other (specify) \_\_\_\_\_

#### 7. Status of Well \*

- Water Supply     Replacement Well     Test Hole  
 Recharge Well     Dewatering Well     Observation and/or Monitoring Hole  
 Alteration (Construction)     Abandoned, Insufficient Supply     Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

#### 8. Construction Record - Casing \* (use negative number(s) to indicate depth above ground surface)

Inside Diameter (cm)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (m)	Depth To (m)
5	Plastic	0.5	0	2.13

### 9. Construction Record - Screen

Outside Diameter (cm)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (m)	Depth To (m)
6	Plastic	0.01	2.13	5.18

### 10. Water Details

Water found at Depth (m)  Gas Kind of water  Fresh  Untested  Other

### 11. Hole Diameter

Depth From (m)	Depth To (m)	Diameter (cm)
0	5.18	21

### 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (L/min)

Draw down

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)														

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)													

After test of well yield, water was

Clear and sand free  Other (specify)

Pump intake set at (m)	Pumping rate (L/min)	Duration of pumping hrs + min	Final water level end of pumping (m)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Recommended pump depth (m)	Recommended pump rate (L/min)	Well production (L/min)

### 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.  Make map area bigger



20-9147-A

Tag #A283539 - MW4  
July 27, 2020

**14. Information**

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd) 2020/07/24	Date Work Completed (yyyy/mm/dd) * 2020/07/27
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Comments

**15. Well Contractor and Well Technician Information**

Business Name of Well Contractor * All In Environmental and Industrial SVCS Inc	Well Contractor's License Number * 7609
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**Business Address**

Unit Number	Street Number 594	Street Name * Alberta Ave
City/Town/Village * Woodstock	Province ON	Postal Code * N4V 0A3

Business Telephone Number 226-228-5453	Business Email Address allinenvironmental@gmail.com
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Last Name of Well Technician * McRae	First Name of Well Technician * James	Well Technician's License Number * 3679
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**16. Declaration \***

I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name McRae	First Name James	Email Address allinenvironmental@gmail.com
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Signature James McRae	Digitally signed by James McRae Date: 2020.08.07 10:03:02 -04'00'	Date Submitted (yyyy/mm/dd) 2020/08/06
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**17. Ministry Use Only**

Audit Number 2DEK HQS6
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### Notice of Collection of Personal Information

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Fields marked with an asterisk (\*) are mandatory.

Well Tag Number *
A295534

#### Type \*

Construction       Abandonment

#### Measurement recorded in: \*

Metric       Imperial

### 1. Well Owner's Information

Last Name and First Name, or Organization is mandatory. \*

Last Name	First Name
[Redacted]	[Redacted]
Organization	Email Address
EXP	[Redacted]

#### Current Address

Unit Number	Street Number *	Street Name *	City/Town/Village
[Redacted]	[Redacted]	[Redacted]	[Redacted]
Country	Province	Postal Code	Telephone Number
Canada	Ontario	[Redacted]	[Redacted]

### 2. Well Location

#### Address of Well Location

Unit Number	Street Number *	Street Name *	Township
	1175	Hurontario St	
Lot	Concession	County/District/Municipality	
		PEEL	
City/Town	Province	Postal Code	
	Ontario		
UTM Coordinates	Zone *	Easting *	Northing *
NAD 83	17	614300	4823666
		<a href="#">Test UTM in Map</a>	Municipal Plan and Sublot Number

Other

### 3. Overburden and Bedrock Material \*

Well Depth *	50	(ft)			
General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

				(ft)	(ft)
Brown	Fill		Hard	0	10
Grey	Till		Hard	10	30
Grey	Rock			30	50

#### 4. Annular Space \*

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)
0	38	Bentonite	7.6

#### 5. Method of Construction \*

- Cable Tool     Rotary (Conventional)     Rotary (Reverse)     Boring     Air percussion     Diamond  
 Jetting     Driving     Digging     Rotary (Air)     Augering     Direct Push  
 Other (specify) \_\_\_\_\_

#### 6. Well Use \*

- Public     Industrial     Cooling & Air Conditioning  
 Domestic     Commercial     Not Used  
 Livestock     Municipal     Monitoring  
 Irrigation     Test Hole     Dewatering  
 Other (specify) \_\_\_\_\_

#### 7. Status of Well \*

- Water Supply     Replacement Well     Test Hole  
 Recharge Well     Dewatering Well     Observation and/or Monitoring Hole  
 Alteration (Construction)     Abandoned, Insufficient Supply     Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

#### 8. Construction Record - Casing \* (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)
2	Plastic	0.25	0	40

#### 9. Construction Record - Screen

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)
2.25	Plastic	0.1	40	50

## 10. Water Details

Water found at Depth (ft)  Gas Kind of water  Fresh  Untested  Other

## 11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)
0	50	6

## 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (GPM)

Draw down

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)													

After test of well yield, water was

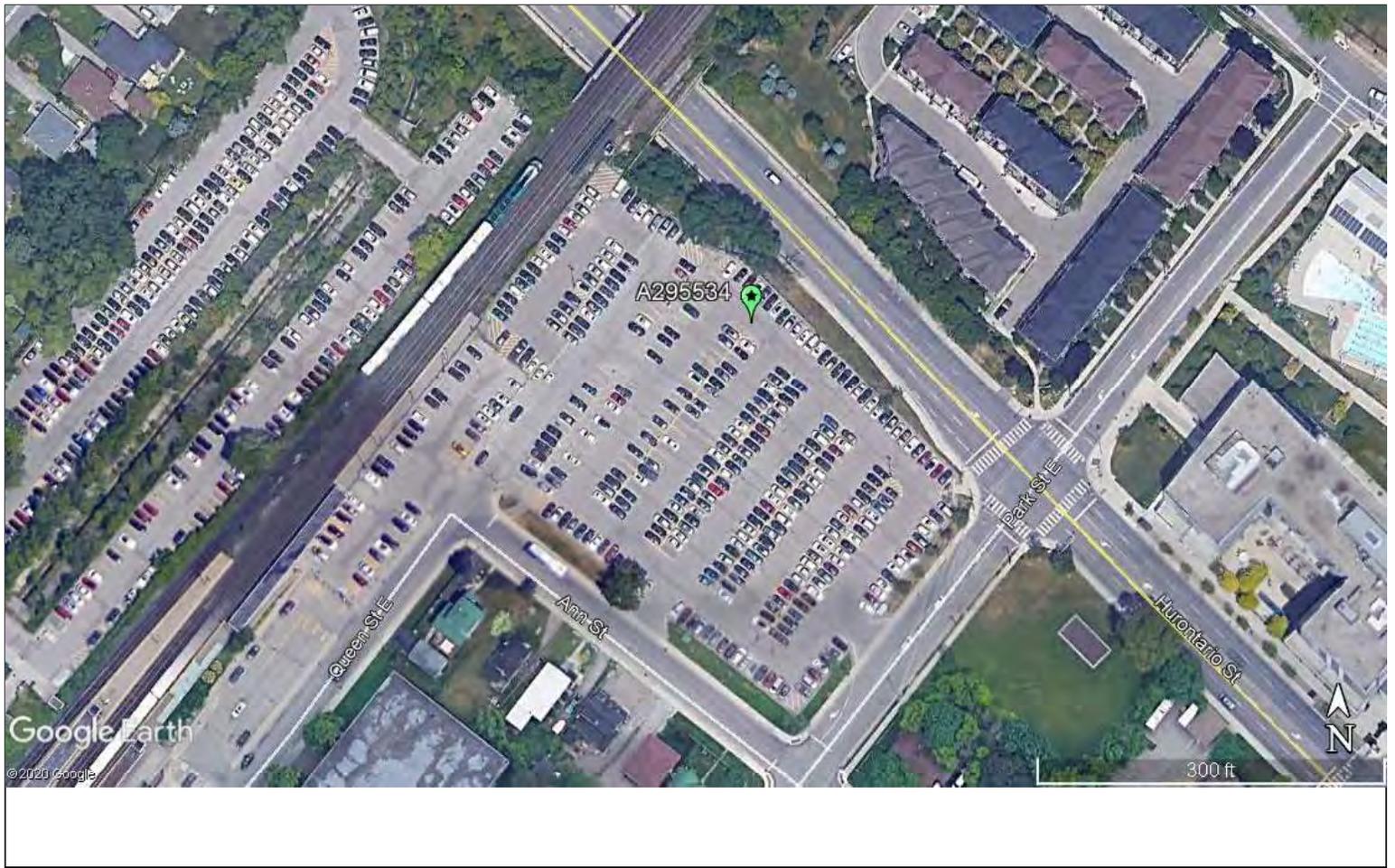
Clear and sand free  Other (specify)

Pump intake set at (ft)	Pumping rate (GPM)	Duration of pumping hrs + min	Final water level end of pumping (ft)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
-------------------------	--------------------	-------------------------------	---------------------------------------	---

Recommended pump depth (ft)	Recommended pump rate (GPM)	Well production (GPM)
-----------------------------	-----------------------------	-----------------------

## 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.  Make map area bigger



**14. Information**

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd) 2020/04/28	Date Work Completed (yyyy/mm/dd) * 2020/04/28
Comments		

**15. Well Contractor and Well Technician Information**

Business Name of Well Contractor * Drilltech Drilling Ltd.		Well Contractor's License Number * 7360	
<b>Business Address</b>			
Unit Number	Street Number 1344	Street Name * Kerrisdale Blvd.	
City/Town/Village * Newmarket		Province Ontario	Postal Code * L3Y 8V6
Business Telephone Number 905-717-1397		Business Email Address drilltech@drillingltd.com	
Last Name of Well Technician * Desbiens		First Name of Well Technician * Gilles	Well Technician's License Number * 3547

**16. Declaration \***

I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name  
Desbiens

First Name  
Gilles

Email Address  
drilltech@drillingltd.com

Signature

**Gilles Desbiens**

Digitally signed by Gilles Desbiens  
Date: 2020.11.03 09:44:29 -05'00'

Date Submitted (yyyy/mm/dd)

2020/11/03

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**17. Ministry Use Only**

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Audit Number

S8J2 AU54

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**Notice of Collection of Personal Information**

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Fields marked with an asterisk (\*) are mandatory.

Well Tag Number *
A295536

**Type \***

Construction       Abandonment

**Measurement recorded in: \***

Metric       Imperial

**1. Well Owner's Information**

Last Name and First Name, or Organization is mandatory. \*

Last Name	First Name
[Redacted]	[Redacted]
Organization	Email Address
EXP	[Redacted]

**Current Address**

Unit Number	Street Number *	Street Name *	City/Town/Village
[Redacted]	[Redacted]	[Redacted]	[Redacted]
Country	Province	Postal Code	Telephone Number
Canada	Ontario	[Redacted]	[Redacted]

**2. Well Location**

**Address of Well Location**

Unit Number	Street Number *	Street Name *	Township
	1175	Hurontario St	
Lot	Concession	County/District/Municipality	
		PEEL	
City/Town	Province	Postal Code	
	Ontario		
UTM Coordinates	Zone *	Easting *	Northing *
NAD 83	17	614304	4823663
		<a href="#">Test UTM in Map</a>	Municipal Plan and Sublot Number

Other

**3. Overburden and Bedrock Material \***

Well Depth *	30	(ft)			
General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

				(ft)	(ft)
Brown	Fill		Hard	0	10
Grey	Till		Hard	10	30

#### 4. Annular Space \*

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)
0	18	Bentonite	3.6

#### 5. Method of Construction \*

- Cable Tool     Rotary (Conventional)     Rotary (Reverse)     Boring     Air percussion     Diamond  
 Jetting     Driving     Digging     Rotary (Air)     Augering     Direct Push  
 Other (specify) \_\_\_\_\_

#### 6. Well Use \*

- Public     Industrial     Cooling & Air Conditioning  
 Domestic     Commercial     Not Used  
 Livestock     Municipal     Monitoring  
 Irrigation     Test Hole     Dewatering  
 Other (specify) \_\_\_\_\_

#### 7. Status of Well \*

- Water Supply     Replacement Well     Test Hole  
 Recharge Well     Dewatering Well     Observation and/or Monitoring Hole  
 Alteration (Construction)     Abandoned, Insufficient Supply     Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

#### 8. Construction Record - Casing \* (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)
2	Plastic	0.25	0	20

#### 9. Construction Record - Screen

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)
2.25	Plastic	0.1	20	30

## 10. Water Details

Water found at Depth (ft)  Gas Kind of water  Fresh  Untested  Other

## 11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)
0	30	6

## 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (GPM)

Draw down

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)													

After test of well yield, water was

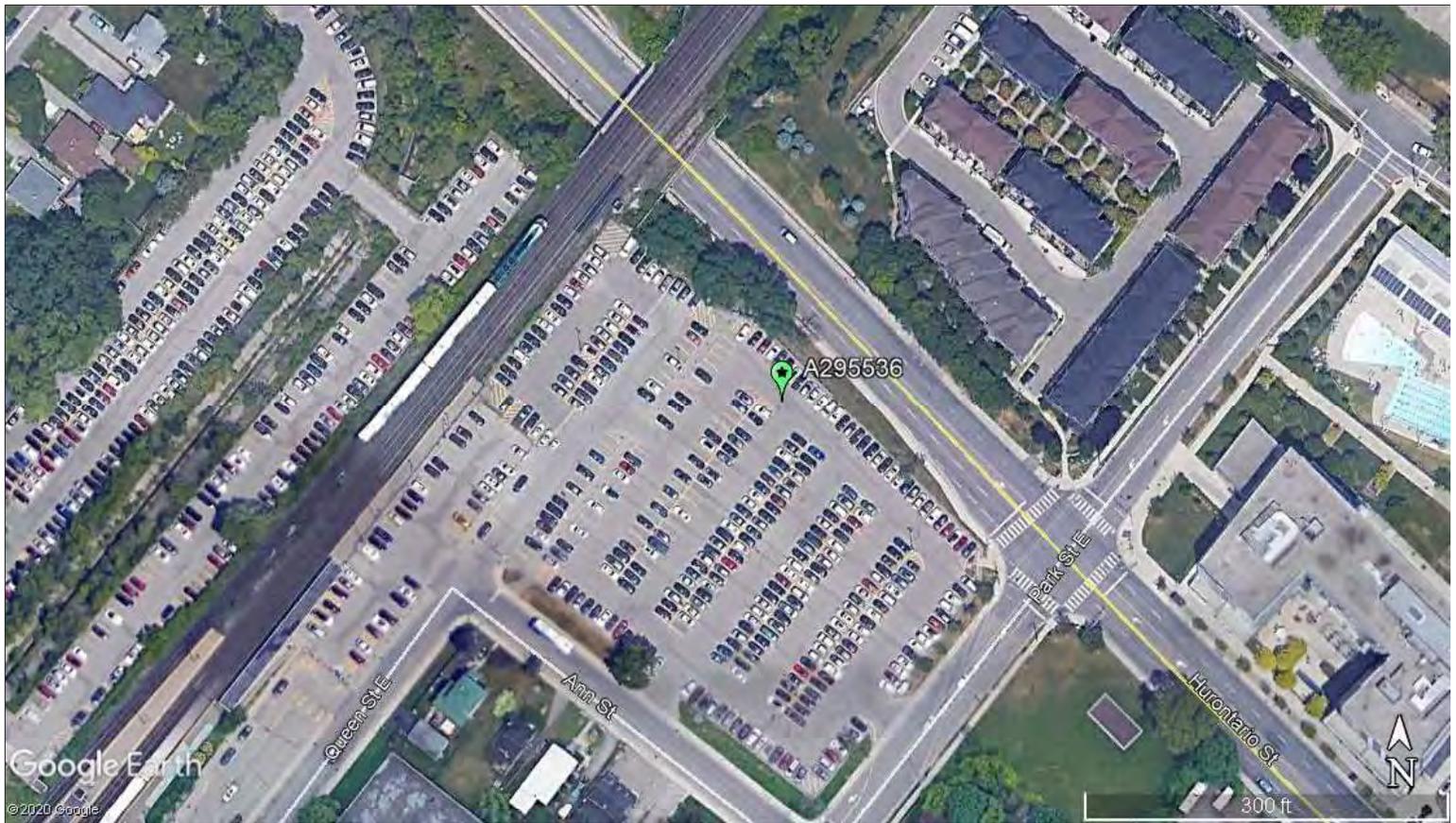
Clear and sand free  Other (specify)

Pump intake set at (ft)	Pumping rate (GPM)	Duration of pumping hrs + min	Final water level end of pumping (ft)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
-------------------------	--------------------	-------------------------------	---------------------------------------	---

Recommended pump depth (ft)	Recommended pump rate (GPM)	Well production (GPM)
-----------------------------	-----------------------------	-----------------------

## 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.  Make map area bigger



**14. Information**

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd) 2020/04/28	Date Work Completed (yyyy/mm/dd) * 2020/04/28
Comments		

**15. Well Contractor and Well Technician Information**

Business Name of Well Contractor * Drilltech Drilling Ltd.		Well Contractor's License Number * 7360	
<b>Business Address</b>			
Unit Number	Street Number 1344	Street Name * Kerrisdale Blvd.	
City/Town/Village * Newmarket		Province Ontario	Postal Code * L3Y 8V6
Business Telephone Number 905-717-1397		Business Email Address drilltech@drillingltd.com	
Last Name of Well Technician * Desbiens		First Name of Well Technician * Gilles	Well Technician's License Number * 3547

**16. Declaration \***

I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name Desbiens	First Name Gilles	Email Address drilltech@drillingltd.com
Signature <b>Gilles Desbiens</b>	 Digitally signed by Gilles Desbiens Date: 2020.11.03 09:45:46 -05'00'	Date Submitted (yyyy/mm/dd) 2020/11/03

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**17. Ministry Use Only**

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Audit Number  
99H2 4M77

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### Notice of Collection of Personal Information

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or [wellshelpdesk@ontario.ca](mailto:wellshelpdesk@ontario.ca).

Fields marked with an asterisk (\*) are mandatory.

Well Tag Number *
A295479

#### Type \*

Construction       Abandonment

#### Measurement recorded in: \*

Metric       Imperial

### 1. Well Owner's Information

Last Name and First Name, or Organization is mandatory. \*

Last Name	First Name
[Redacted]	[Redacted]
Organization	Email Address
EXP	[Redacted]

#### Current Address

Unit Number	Street Number *	Street Name *	City/Town/Village
[Redacted]	[Redacted]	[Redacted]	[Redacted]
Country	Province	Postal Code	Telephone Number
Canada	Ontario	[Redacted]	[Redacted]

### 2. Well Location

#### Address of Well Location

Unit Number	Street Number *	Street Name *	Township
	30	Queen St E	
Lot	Concession	County/District/Municipality	
		PEEL	
City/Town	Province	Postal Code	
	Ontario		
UTM Coordinates	Zone *	Easting *	Northing *
NAD 83	17	614201	4823627
			Municipal Plan and Sublot Number
			<a href="#">Test UTM in Map</a>

Other

### 3. Overburden and Bedrock Material \*

Well Depth *	35	(ft)			
General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

			(ft)	(ft)
	Sand	Gravel	0	5
	Sand	Clay	5	10
	Sand	Till	10	20
	Silt	Gravel	20	35

#### 4. Annular Space \*

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)
0	23	Bentonite	4.6

#### 5. Method of Construction \*

- Cable Tool     Rotary (Conventional)     Rotary (Reverse)     Boring     Air percussion     Diamond  
 Jetting     Driving     Digging     Rotary (Air)     Augering     Direct Push  
 Other (specify) \_\_\_\_\_

#### 6. Well Use \*

- Public     Industrial     Cooling & Air Conditioning  
 Domestic     Commercial     Not Used  
 Livestock     Municipal     Monitoring  
 Irrigation     Test Hole     Dewatering  
 Other (specify) \_\_\_\_\_

#### 7. Status of Well \*

- Water Supply     Replacement Well     Test Hole  
 Recharge Well     Dewatering Well     Observation and/or Monitoring Hole  
 Alteration (Construction)     Abandoned, Insufficient Supply     Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

#### 8. Construction Record - Casing \* (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)
2	Plastic	0.25	0	25

#### 9. Construction Record - Screen

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)
2.25	Plastic	0.1	25	35

### 10. Water Details

Water found at Depth (ft)  Gas Kind of water  Fresh  Untested  Other

### 11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)
0	35	6

### 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (GPM)

Draw down

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)													

After test of well yield, water was

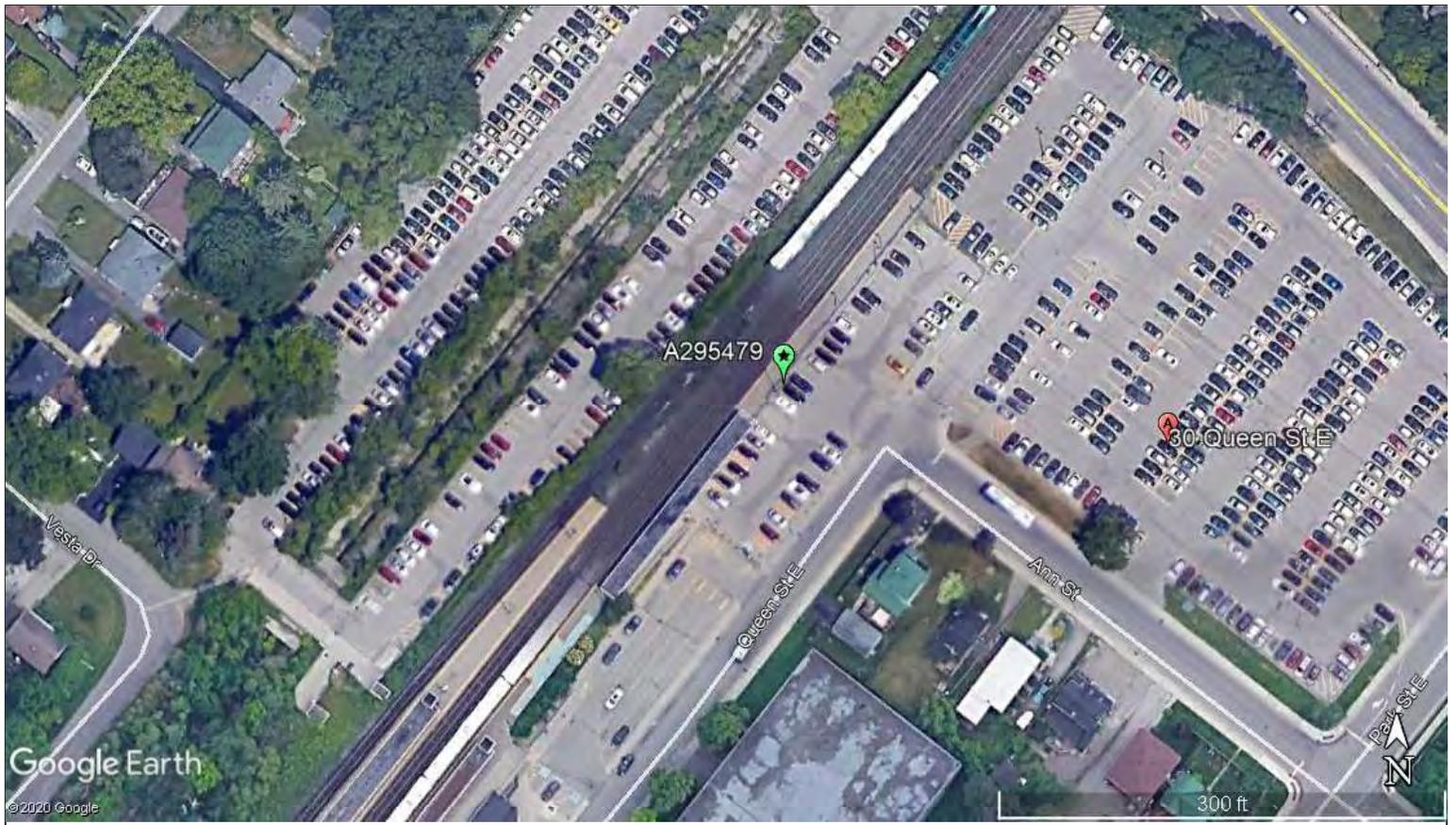
Clear and sand free  Other (specify)

Pump intake set at (ft)	Pumping rate (GPM)	Duration of pumping hrs + min	Final water level end of pumping (ft)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Recommended pump depth (ft)	Recommended pump rate (GPM)	Well production (GPM)
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### 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.  Make map area bigger



#### 14. Information

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd) 2020/06/26	Date Work Completed (yyyy/mm/dd) * 2020/06/26
Comments		

#### 15. Well Contractor and Well Technician Information

Business Name of Well Contractor * Drilltech Drilling Ltd.		Well Contractor's License Number * 7360	
<b>Business Address</b>			
Unit Number	Street Number 1344	Street Name * Kerrisdale Blvd.	
City/Town/Village * Newmarket		Province Ontario	Postal Code * L3Y 8V6
Business Telephone Number 905-717-1397		Business Email Address drilltech@drillingltd.com	
Last Name of Well Technician * Desbiens		First Name of Well Technician * Gilles	Well Technician's License Number * 3547

#### 16. Declaration \*

I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name Desbiens	First Name Gilles	Email Address drilltech@drillingltd.com
Signature <b>Gilles Desbiens</b>	 Digitally signed by Gilles Desbiens Date: 2021.01.29 11:15:20 -05'00'	Date Submitted (yyyy/mm/dd) 2021/01/29

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**17. Ministry Use Only**

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Audit Number  
KTPN Z5WC

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**Notice of Collection of Personal Information**

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or [wellshelpdesk@ontario.ca](mailto:wellshelpdesk@ontario.ca).

Fields marked with an asterisk (\*) are mandatory.

Well Tag Number *
A 295480

**Type \***

Construction       Abandonment

**Measurement recorded in: \***

Metric       Imperial

**1. Well Owner's Information**

Last Name and First Name, or Organization is mandatory. \*

Last Name	First Name
[Redacted]	[Redacted]
Organization	Email Address
EXP	[Redacted]

**Current Address**

Unit Number	Street Number *	Street Name *	City/Town/Village
[Redacted]	[Redacted]	[Redacted]	[Redacted]
Country	Province	Postal Code	Telephone Number
Canada	Ontario	[Redacted]	[Redacted]

**2. Well Location**

**Address of Well Location**

Unit Number	Street Number *	Street Name *	Township
	30	Queen St E	
Lot	Concession	County/District/Municipality	
		PEEL	
City/Town	Province	Postal Code	
	Ontario		
UTM Coordinates	Zone *	Easting *	Northing *
NAD 83	17	614198	4823628
		<a href="#">Test UTM in Map</a>	Municipal Plan and Sublot Number

Other

**3. Overburden and Bedrock Material \***

Well Depth *	20	(ft)			
General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

			(ft)	(ft)
	Sand	Gravel	0	5
	Sand	Clay	5	10
	Sand	Till	10	20

#### 4. Annular Space \*

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)
0	13	Bentonite	2.6

#### 5. Method of Construction \*

- Cable Tool     Rotary (Conventional)     Rotary (Reverse)     Boring     Air percussion     Diamond  
 Jetting     Driving     Digging     Rotary (Air)     Augering     Direct Push  
 Other (specify) \_\_\_\_\_

#### 6. Well Use \*

- Public     Industrial     Cooling & Air Conditioning  
 Domestic     Commercial     Not Used  
 Livestock     Municipal     Monitoring  
 Irrigation     Test Hole     Dewatering  
 Other (specify) \_\_\_\_\_

#### 7. Status of Well \*

- Water Supply     Replacement Well     Test Hole  
 Recharge Well     Dewatering Well     Observation and/or Monitoring Hole  
 Alteration (Construction)     Abandoned, Insufficient Supply     Abandoned, Poor Water Quality  
 Abandoned, other (specify) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

#### 8. Construction Record - Casing \* (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole or Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)
2	Plastic	0.25	0	15

#### 9. Construction Record - Screen

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)
2.25	Plastic	0.1	15	20

## 10. Water Details

Water found at Depth (ft)  Gas Kind of water  Fresh  Untested  Other

## 11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)
0	20	6

## 12. Results of Well Yield Testing

Pumping Discontinued

Explain \_\_\_\_\_

If flowing give rate

Flowing \_\_\_\_\_ (GPM)

Draw down

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)														

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)													

After test of well yield, water was

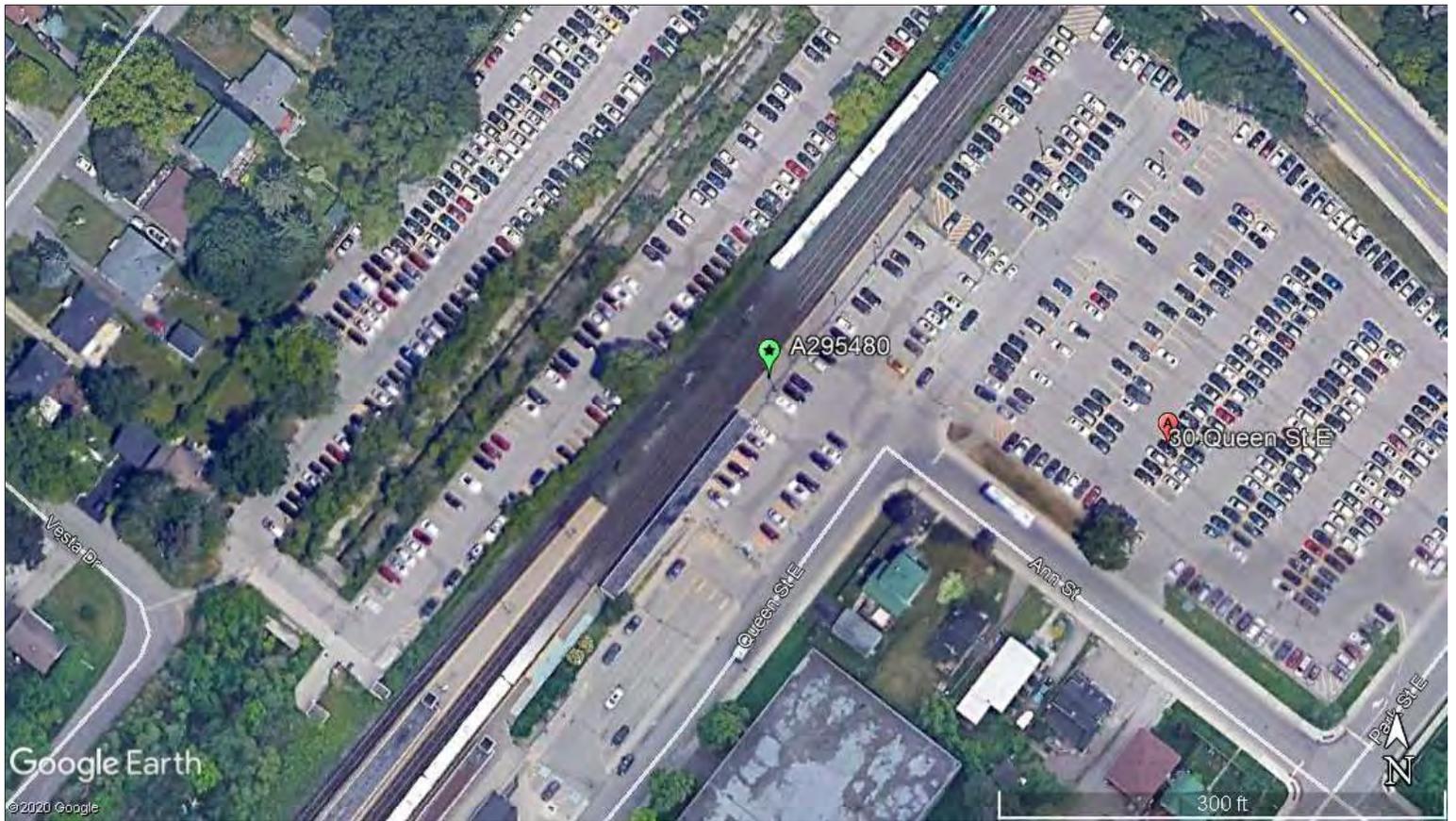
Clear and sand free  Other (specify)

Pump intake set at (ft)	Pumping rate (GPM)	Duration of pumping hrs + min	Final water level end of pumping (ft)	Disinfected? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Recommended pump depth (ft)	Recommended pump rate (GPM)	Well production (GPM)
-----------------------------	-----------------------------	-----------------------

## 13. Map of Well Location \*

Map 1. Please Click the map area below to import an image file to use as the map.  Make map area bigger



#### 14. Information

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered (yyyy/mm/dd) 2020/06/26	Date Work Completed (yyyy/mm/dd) * 2020/06/26
Comments		

#### 15. Well Contractor and Well Technician Information

Business Name of Well Contractor * Drilltech Drilling Ltd.		Well Contractor's License Number * 7360	
<b>Business Address</b>			
Unit Number	Street Number 1344	Street Name * Kerrisdale Blvd.	
City/Town/Village * Newmarket		Province Ontario	Postal Code * L3Y 8V6
Business Telephone Number 905-717-1397		Business Email Address drilltech@drillingltd.com	
Last Name of Well Technician * Desbiens		First Name of Well Technician * Gilles	Well Technician's License Number * 3547

#### 16. Declaration \*

I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name Desbiens	First Name Gilles	Email Address drilltech@drillingltd.com
Signature <b>Gilles Desbiens</b>	 Digitally signed by Gilles Desbiens Date: 2021.01.29 11:18:38 -05'00'	Date Submitted (yyyy/mm/dd) 2021/01/29

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**17. Ministry Use Only**

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Audit Number  
RXRF RGV6

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*Nowelltag recorded*

Measurements recorded in:  Metric  Imperial

**Well Owner's Information**

First Name: \_\_\_\_\_ Last Name/Organization: Edenshaw developments E-mail Address: \_\_\_\_\_  Well Constructed by Well Owner

Mailing Address (Street Number/Name): 129 Lakeshore Rd. Suite 201 Municipality: Mississauga Province: ON Postal Code: L5G 1E5 Telephone No. (inc. area code): \_\_\_\_\_

**Well Location**

Address of Well Location (Street Number/Name): 78 Park St. E Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

County/District/Municipality: \_\_\_\_\_ City/Town/Village: Mississauga Province: **Ontario** Postal Code: \_\_\_\_\_

UTM Coordinates: Zone 18N Easting 1761429 Northing 14823543 Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
			<u>Bentonite Holeplug</u>	<u>0 90</u>

Annular Space		
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
<u>0 90</u>	<u>Bentonite chips</u>	

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input checked="" type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Other, specify _____		<input type="checkbox"/> Other, specify _____	

Construction Record - Casing			Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	
			From	To
<u>2"</u>	<u>PVC</u>	<u>Sch 40</u>	<u>0</u>	<u>80</u>

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
<u>2"</u>	<u>PVC</u>	<u>10</u>	<u>80</u>	<u>90</u>

Water Details		Hole Diameter	
Water found at Depth <u>20'</u> (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth _____ (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
Water found at Depth _____ (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **PROFILE DRILLING** Well Contractor's Licence No.: 7 2 1 5

Business Address (Street Number/Name): 6525 Northam Drive, Mississauga Municipality: \_\_\_\_\_

Province: Ontario Postal Code: L4V 1J2 Business E-mail Address: info@profiledrilling.com

Bus. Telephone No. (inc. area code): 4166506444 Name of Well Technician (Last Name, First Name): Stocher, Mike

Well Technician's Licence No.: 3371 Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: 20201019

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping _____ hrs + _____ min Final water level end of pumping (m/ft)  If flowing give rate (l/min/GPM)  Recommended pump depth (m/ft)  Recommended pump rate (l/min/GPM)  Well production (l/min/GPM)  Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

**Map of Well Location**

Please provide a map below following instructions on the back.

Comments: Map not to scale  
Monitoring well - fence line

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered: <u>20201019</u>	Ministry Use Only Audit No: <u>2346504</u> JUN 18 2021 Received
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# MECP WELL RECORD LISTINGS



Ministry of the Environment, Conservation & Parks (MECP)  
 © Water Well Information System (WWIS). Ministry of the Environment, Conservation, and Parks. 2021.  
 Powered by Location Intelligence

*DISCLAIMER: All effort has been taken to ensure the accuracy of the data is the same as the source. There are instances where the original PDF document is different and in those cases, the PDF should be used instead.*

<b>17</b>	<b>Easting:</b>	581514.40	<b>Latitude:</b> 43.556909 <b>Longitude:</b> -79.580751	<b>Well ID:</b> <span style="font-size: 1.2em; font-weight: bold;">4907920</span>
	<b>Northing:</b>	4853623.00		
	<b>Elev (masl):</b>	80.22		

<b>LOCATION</b>	<b>Lot:</b> 014 <b>Con:</b> 01 <b>Municipality:</b> PEEL <b>Township:</b> MISSISSAUGA CITY <b>Street:</b> <b>City:</b> n/a	<b>Tag:</b> <b>Audit No:</b> 148110 <b>Contractor License:</b> 1839 <b>Well Completion Date:</b> 10/07/1994 <b>Received Date:</b> 11/10/1994
<b>WELL</b>	<b>Well Status:</b> Observation Wells <b>Prim. Use:</b> n/a <b>Sec. Use:</b> n/a <b>Boring Method:</b> Rotary (Convent.)	<b>Well Depth (m):</b> 5.7912 <b>Depth to Bedrock (m):</b> n/a <b>Depth to Water:</b> ft <b>Water Kind:</b> FRESH
<b>PUMP TEST</b>	<b>Test Method:</b> <b>Pump Set (m):</b> <b>SWL (ft)</b> <b>Final Level:</b> <b>Pump Rate:</b> <b>Recom. Rate:</b>	<b>Pipe ID:</b> <b>Pump Test ID</b> <b>Flowing:</b> <b>Pump Duration (hr):</b> <b>Pump Duration (m):</b>

### CASING DETAILS

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
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### FORMATION DETAILS

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TILL	SILT	DENSE	BROWN	0	18 ft
2	SAND	GRAVEL	DENSE	BROWN	18	19 ft

**End of Record**

<b>17</b>	<b>Easting:</b>	591214.50	<b>Latitude:</b> 43.556647 <b>Longitude:</b> -79.581389	<b>Well ID:</b> <span style="font-size: 1.2em; font-weight: bold;">4907921</span>
	<b>Northing:</b>	4853873.00		
	<b>Elev (masl):</b>	79.85		

<b>LOCATION</b>	<b>Lot:</b> 014 <b>Con:</b> 01 <b>Municipality:</b> PEEL <b>Township:</b> MISSISSAUGA CITY <b>Street:</b> <b>City:</b> n/a	<b>Tag:</b> <b>Audit No:</b> 148111 <b>Contractor License:</b> 1839 <b>Well Completion Date:</b> 10/07/1994 <b>Received Date:</b> 11/10/1994
<b>WELL</b>	<b>Well Status:</b> Observation Wells <b>Prim. Use:</b> n/a <b>Sec. Use:</b> n/a <b>Boring Method:</b> Rotary (Convent.)	<b>Well Depth (m):</b> 7.0104 <b>Depth to Bedrock (m):</b> n/a <b>Depth to Water:</b> ft <b>Water Kind:</b> FRESH
<b>PUMP TEST</b>	<b>Test Method:</b> <b>Pump Set (m):</b> <b>SWL (ft)</b> <b>Final Level:</b> <b>Pump Rate:</b> <b>Recom. Rate:</b>	<b>Pipe ID:</b> <b>Pump Test ID</b> <b>Flowing:</b> <b>Pump Duration (hr):</b> <b>Pump Duration (m):</b>

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
-------	---------	----------------	---------------	----------	-----------	--------------

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TILL	SILT	DENSE	BROWN	0	7 ft
2	SILT	DENSE	n/a	GREY	7	15 ft
3	SAND	DENSE	n/a	GREY	15	23 ft

End of Record

<b>17</b>	<b>Easting:</b>	586414.40
	<b>Northing:</b>	4846723.00
	<b>Elev (masl):</b>	80.08

**Latitude:** 43.556856  
**Longitude:** -79.580889

Well ID: **4907922**

**LOCATION**  
**Lot:** 014  
**Con:** 01  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:**  
**City:** n/a

**Tag:**  
**Audit No:** 148109  
**Contractor License:** 1839  
**Well Completion Date:** 10/07/1994  
**Received Date:** 11/10/1994

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Rotary (Convent.)

**Well Depth (m):** 4.2672  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:** FRESH

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
-------	---------	----------------	---------------	----------	-----------	--------------

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TILL	CLAY	DENSE	BROWN	0	2 ft
2	TILL	SILT	DENSE	BROWN	2	12 ft
3	TILL	SILT	DENSE	GREY	12	14 ft

End of Record

<b>17</b>	<b>Easting:</b>	586414.40
	<b>Northing:</b>	4846773.00
	<b>Elev (masl):</b>	80.26

**Latitude:** 43.556843  
**Longitude:** -79.580518

Well ID: **4907923**

**LOCATION**  
**Lot:** 014  
**Con:** 01  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:**  
**City:** n/a

**Tag:**  
**Audit No:** 148124  
**Contractor License:** 1839  
**Well Completion Date:** 10/07/1994  
**Received Date:** 11/10/1994

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Rotary (Convent.)

**Well Depth (m):** 7.0104  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:** FRESH

**TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**

**PUMP**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
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**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TILL	SILT	DENSE	BROWN	0	14 ft
2	SAND	GRAVEL	DENSE	GREY	14	23 ft

End of Record

<b>17</b>	<b>Eastings:</b>	572348.30
	<b>Northings:</b>	4853666.00
	<b>Elev (masl):</b>	80.12

**Latitude:** 43.552471  
**Longitude:** -79.585944

**Well ID:** **4909501**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:** 10 STAREBANK  
**City:** MISSISSAUGA

**Tag:** A011790  
**Audit No:** Z14488  
**Contractor License:** 6607  
**Well Completion Date:** 06/14/2004  
**Received Date:** 07/21/2004

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 6  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** FRESH

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft):**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	930849433	5	cm	PLASTIC	0	4.5 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	n/a	BROWN	0	0.3 m
2	SILT	SAND	n/a	BROWN	0.3	3.5 m
3	SILT	SAND	n/a	GREY	3.5	3.5 m
4	n/a	n/a	n/a	n/a	3.5	6 m

End of Record

<b>17</b>	<b>Eastings:</b>	597663.60
	<b>Northings:</b>	4858835.00
	<b>Elev (masl):</b>	81.40

**Latitude:** 43.5536  
**Longitude:** -79.588443

**Well ID:** **4909743**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:**  
**City:** PORT CREDIT

**Tag:** A025747  
**Audit No:** Z26277  
**Contractor License:** 1129  
**Well Completion Date:** 03/16/2005  
**Received Date:** 05/20/2005

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Other Method

**Well Depth (m):** 7.89  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

PUMP TEST

Test Method:  
Pump Set (m):  
SWL (ft)  
Final Level:  
Pump Rate:  
Recom. Rate:

Pipe ID:  
Pump Test ID  
Flowing:  
Pump Duration (hr):  
Pump Duration (m):

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	930866542	5	cm	PLASTIC	0	4.82 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	SILT	GRAVEL	BROWN	0	0.49 m
2	SILT	FINE SAND	n/a	BROWN	0.49	3.54 m
3	SILT	CLAY	SAND	GREY	3.54	7.89 m

End of Record

<b>17</b>	Easting:	597078.00
	Northing:	4852011.00
	Elev (masl):	76.41

Latitude: 43.551424  
Longitude: -79.585733

Well ID: **4909772**

LOCATION

Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: PORT CREDIT MEMORIAL PARK  
City: PORT CREDIT

Tag: A026654  
Audit No: Z26278  
Contractor License: 1129  
Well Completion Date: 04/05/2005  
Received Date: 06/10/2005

WELL

Well Status: Observation Wells  
Prim. Use: n/a  
Sec. Use: n/a  
Boring Method: Other Method

Well Depth (m): 6.71  
Depth to Bedrock (m): n/a  
Depth to Water:  
Water Kind:

PUMP TEST

Test Method:  
Pump Set (m):  
SWL (ft)  
Final Level:  
Pump Rate:  
Recom. Rate:

Pipe ID:  
Pump Test ID  
Flowing:  
Pump Duration (hr):  
Pump Duration (m):

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	930866571	5	cm	PLASTIC	-0.2	3.05 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SILT	SAND	n/a	BROWN	0	1.52 m
2	SAND	MEDIUM SAND	n/a	BROWN	1.52	3.05 m
3	SILT	SAND	FINE-GRAINED	GREY	3.05	6.1 m
4	SAND	MEDIUM-GRAINED	n/a	GREY	6.1	6.71 m

End of Record

<b>17</b>	Easting:	578928.30
	Northing:	4864325.00
	Elev (masl):	75.17

Latitude: 43.551024  
Longitude: -79.58763

Well ID: **4909847**

LOCATION

Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: STAVE BANK RD  
City: PORT CREDIT

Tag: A027059  
Audit No: Z29081  
Contractor License: 7219  
Well Completion Date: 06/23/2005  
Received Date: 07/29/2005

**WELL**  
**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** 1.524  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 11338435  
**Pump Test ID:** 11350589  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	930866634	2.54	cm	<null>	n/a	n/a m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>17</b>	<b>Easting:</b>	587202.40
	<b>Northing:</b>	4858801.00
	<b>Elev (masl):</b>	76.36

**Latitude:** 43.551432  
**Longitude:** -79.58567

**Well ID:** **4909851**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** STAVEBANK RD  
**City:** PORT CREDIT

**Tag:** A027050  
**Audit No:** Z29075  
**Contractor License:** 7219  
**Well Completion Date:** 06/23/2005  
**Received Date:** 07/29/2005

**WELL**  
**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft):**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID:**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	930866638	5.08	cm	PLASTIC	n/a	n/a m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>17</b>	<b>Easting:</b>	574355.30
	<b>Northing:</b>	4863229.00
	<b>Elev (masl):</b>	75.90

**Latitude:** 43.551072  
**Longitude:** -79.587079

**Well ID:** **4909852**

**CATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:**

**Tag:** A027046  
**Audit No:** Z29082  
**Contractor License:** 7219  
**Well Completion Date:**

**Street:** MISSISSAUGA CITY (PORT CREDIT)  
**City:** PORT CREDIT

**Received Date:** 06/29/2005

**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** 1.73  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 11338440  
**Pump Test ID:** 11350593  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	930866639	5.08	cm	PLASTIC	n/a	n/a m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>17</b>	<b>Easting:</b>	574640.30
	<b>Northing:</b>	4863284.00
	<b>Elev (masl):</b>	75.56

**Latitude:** 43.550699  
**Longitude:** -79.58612

**Well ID:** **4909854**

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** STAVEBANK RD  
**City:** PORT CREDIT

**Tag:** A027044  
**Audit No:** Z29066  
**Contractor License:** 7219  
**Well Completion Date:** 06/23/2005  
**Received Date:** 07/29/2005

**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** 1.524  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 11338442  
**Pump Test ID:** 11350595  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	930866641	5.08	cm	PLASTIC	n/a	n/a m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>17</b>	<b>Easting:</b>	584330.40
	<b>Northing:</b>	4859012.00
	<b>Elev (masl):</b>	76.14

**Latitude:** 43.550681  
**Longitude:** -79.58537

**Well ID:** **4909855**

**LOCATION**  
**Lot:**  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** STAVEBANK RD  
**City:** PORT CREDIT

**Tag:** A027058  
**Audit No:** Z29076  
**Contractor License:** 7219  
**Well Completion Date:** 05/23/2005  
**Received Date:** 07/29/2005

**WELL**  
**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** 1.524  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 11338443  
**Pump Test ID:** 11350596  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	930866642	5.08	cm	PLASTIC	n/a	n/a m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>17</b>	<b>Easting:</b>	580673.40
	<b>Northing:</b>	4856593.00
	<b>Elev (masl):</b>	79.62

**Latitude:** 43.552399  
**Longitude:** -79.58523

**Well ID:** **4909856**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** STAVEBANK RD  
**City:** PORT CREDIT

**Tag:** A027048  
**Audit No:** Z29080  
**Contractor License:** 7219  
**Well Completion Date:** 06/23/2005  
**Received Date:** 07/29/2005

**WELL**  
**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** 1.219  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 11338444  
**Pump Test ID:** 11350597  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	930866643	5.08	cm	PLASTIC	n/a	n/a m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>17</b>	<b>Easting:</b>	573447.30
	<b>Northing:</b>	4859386.00
	<b>Elev (masl):</b>	76.07

**Latitude:** 43.550799  
**Longitude:** -79.58612

**Well ID:** **4909857**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** STAVEBANK RD  
**City:** PORT CREDIT

**Tag:** A027047  
**Audit No:** Z29077  
**Contractor License:** 7219  
**Well Completion Date:** 06/28/2005  
**Received Date:** 07/29/2005

**WELL**  
**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** 1.219  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 11338445  
**Pump Test ID:** 11350598  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	930866644	5.08	cm	<null>	n/a	n/a m

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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**End of Record**

<b>17</b>	<b>Easting:</b>	614363.00
	<b>Northing:</b>	4823171.00
	<b>Elev (masl):</b>	80.07

**Latitude:** 43.552728  
**Longitude:** -79.584167

**Well ID:** **7046642**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:** 15 STAVEBANK ROAD SOUTH  
**City:** MISSISSAUGA

**Tag:** A061569  
**Audit No:** Z74027  
**Contractor License:** 7241  
**Well Completion Date:** 06/26/2007  
**Received Date:** 07/17/2007

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Other Method

**Well Depth (m):** 5.79  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft):**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID:**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	42146642	3.81	cm	PLASTIC	0	2.74 m

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	GRAVEL	SOFT	BROWN	0	2.13 m
2	SAND	SILT	FINE SAND	BROWN	2.13	3.35 m
3	SILT	SAND	CLAY	GREY	3.35	5.79 m

<b>17</b>	<b>Eastings:</b>	614179.00
	<b>Northings:</b>	4823015.00
	<b>Elev (masl):</b>	77.32

**Latitude:** 43.551352  
**Longitude:** -79.586477

**Well ID:** **7051392**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** PORT CREDIT MEMORIAL PARK - STAVEBANK ROAD/L/4  
**City:** PORT CREDIT

**Tag:** A055502  
**Audit No:** Z67536  
**Contractor License:** 1129  
**Well Completion Date:** 06/27/2007  
**Received Date:** 10/25/2007

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Other Method

**Well Depth (m):** 5.79  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 1000025661  
**Pump Test ID:** 1000025662  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
0	1000025674	5	cm	PLASTIC	n/a	4.35 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	SAND	SOFT	BROWN	0	0.3 m
2	SILT	CLAY	DRY	BROWN	0.3	1.52 m
3	SAND	SILT	MEDIUM SAND	GREY	1.52	1.83 m
4	SILT	CLAY	STONES	BROWN	1.83	2.74 m
5	CLAY	SAND	SOFT	GREY	2.74	5.79 m

<b>17</b>	<b>Eastings:</b>	613990.00
	<b>Northings:</b>	4823088.00
	<b>Elev (masl):</b>	77.24

**Latitude:** 43.552038  
**Longitude:** -79.588801

**Well ID:** **7051418**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** PORT CREDIT MEMORIAL PARK-STAVEBOOK RD/LAKE:  
**City:** PORT CREDIT

**Tag:** Z67537  
**Audit No:** 1129  
**Contractor License:** 1129  
**Well Completion Date:** 06/27/2007  
**Received Date:** 10/25/2007

**WELL**  
**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** H.S.A.

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 1000006806  
**Pump Test ID:** 1000006807  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
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**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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<b>17</b>	<b>Easting:</b>	613967.00
	<b>Northing:</b>	4823168.00
	<b>Elev (masl):</b>	80.23

**Latitude:** 43.552762  
**Longitude:** -79.589069

**Well ID:** **7052394**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:** 30 STAVEBANK ROAD NORTH  
**City:** Mississauga

**Tag:** A061596  
**Audit No:** Z63689  
**Contractor License:** 7241  
**Well Completion Date:** 11/02/2007  
**Received Date:** 11/16/2007

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Rotary (Reverse)

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 1000067065  
**Pump Test ID:** 1000067066  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
0	1000067073	5	cm	PLASTIC	n/a	1.86 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	n/a	n/a	n/a	n/a	0	n/a m

<b>16</b>	<b>Easting:</b>	700249.00
	<b>Northing:</b>	5155473.00
	<b>Elev (masl):</b>	82.66

**Latitude:** 43.556388  
**Longitude:** -79.583079

**Well ID:** **7104773**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:** 15 HURNOTARIP STREET  
**City:** MISSISSAUGA

**Tag:** A057183  
**Audit No:** Z70743  
**Contractor License:** 7082  
**Well Completion Date:** 04/22/2008  
**Received Date:** 05/01/2008

**WELL**  
**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Other Method

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft):**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID:**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
0	1001628745	n/a	cm	<null>	n/a	n/a m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>18</b>	<b>Easting:</b>	266554.00
	<b>Northing:</b>	5003368.00
	<b>Elev (masl):</b>	78.67

**Latitude:** 43.553559  
**Longitude:** -79.582873

Well ID: **7109074**

LOCATION

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:** 113 LAKESHORE BLVD. 107  
**City:** Mississauga

**Tag:** A075601  
**Audit No:** Z81860  
**Contractor License:** 7241  
**Well Completion Date:** 07/10/2008  
**Received Date:** 07/31/2008

WELL

**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Geoprobe

**Well Depth (m):** 4.88  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

PUMP TEST

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1001760973	3.81	cm	PLASTIC	0	1.83 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	OTHER	FILL	LOOSE	BLACK	0	1.22 m
2	SAND	SILT	LOOSE	BROWN	1.22	3.1 m
3	SAND	SILT	WATER-BEARING	GREY	3.1	4.88 m
4	n/a	CLAY	n/a	n/a	4.88	n/a m

End of Record

<b>18</b>	<b>Easting:</b>	268608.00
	<b>Northing:</b>	5018263.00
	<b>Elev (masl):</b>	76.80

**Latitude:** 43.553043  
**Longitude:** -79.581213

Well ID: **7109075**

LOCATION

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:** 113 LAKESHORE BLVD. 107  
**City:** Mississauga

**Tag:** A073010  
**Audit No:** Z81870  
**Contractor License:** 7241  
**Well Completion Date:** 07/10/2008  
**Received Date:** 07/31/2008

WELL

**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Geoprobe

**Well Depth (m):** 4.88  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

PUMP TEST

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1001760989	3.81	cm	PLASTIC	0	1.83 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	OTHER	FILL	LOOSE	BLACK	0	1.22 m
2	SAND	SILT	LOOSE	BROWN	1.22	3.1 m
3	SAND	SILT	WATER-BEARING	GREY	3.1	4.88 m
4	n/a	CLAY	n/a	n/a	4.88	n/a m

End of Record

<b>17</b>	<b>Easting:</b>	585645.00
	<b>Northing:</b>	4885253.00
	<b>Elev (masl):</b>	78.20

**Latitude:** 43.551783  
**Longitude:** -79.584895

**Well ID:** **7117362**

LOCATION  
WELL  
PUMP TEST

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 31 LAKE SHORE RD E  
**City:** PORT CREDIT

**Tag:** A069693  
**Audit No:** M02487  
**Contractor License:** 6607  
**Well Completion Date:** 07/05/2008  
**Received Date:** 01/08/2009

**Well Status:** Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 4.5  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** 1.5  
**Final Level:** n/a m  
**Pump Rate:** n/a  
**Recom. Rate:** n/a

**Pipe ID:** 1003218477  
**Pump Test ID:** 1003218478  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1003218487	5.1	cm	PLASTIC	0	4.5 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	n/a	n/a	BROWN	0	1.5 m
2	CLAY	n/a	n/a	GREY	1.5	4.5 m

End of Record

<b>17</b>	<b>Easting:</b>	544913.00
	<b>Northing:</b>	4894989.00
	<b>Elev (masl):</b>	78.20

**Latitude:** 43.551728  
**Longitude:** -79.58481

**Well ID:** **7118824**

LOCATION  
WELL  
TEST

**Lot:** n/a  
**Con:** n/a  
**Municipality:** YORK  
**Township:** SCARBOROUGH BOROUGH  
**Street:** 2850 KINGSTON RD.  
**City:** Toronto

**Tag:** A067348  
**Audit No:** M02491  
**Contractor License:** 6607  
**Well Completion Date:** 07/11/2008  
**Received Date:** 02/02/2009

**Well Status:** Other Status  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** FRESH

**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):**

**Pipe ID:** 1002741260  
**Pump Test ID:** 1002741272  
**Flowing:** n/a

**PUMP**  
**Final Level:** n/a  
**Pump Rate:** n/a  
**Recom. Rate:** n/a

**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
0	1002741253	n/a	n/a	PLASTIC	n/a	3.6 m
0	1002741271	n/a	n/a	PLASTIC	n/a	4.5 m
0	1002741262	n/a	n/a	PLASTIC	n/a	4.5 m
0	1002741244	n/a	n/a	PLASTIC	n/a	3.6 m
1	1002741278	5.1	cm	PLASTIC	0	8 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SILT	CLAY	DENSE	BROWN	0	8 m

End of Record

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	78.53

**Latitude:** 43.553558  
**Longitude:** -79.582798

**Well ID:** **7133398**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 113 LAKESHORE RD. E. #107  
**City:** Mississauga

**Tag:** A083930  
**Audit No:** Z095900  
**Contractor License:** 6032  
**Well Completion Date:** 09/25/2009  
**Received Date:** 11/05/2009

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 4.572  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
0	1002996483	n/a	inch	<null>	n/a	n/a ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	OTHER	n/a	HARD	BLACK	0	0.3 ft
2	SILT	SAND	LOOSE	BROWN	0.3	8 ft
3	SILT	STONES	DENSE	GREY	8	15 ft

End of Record

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	78.95

**Latitude:** 43.552588  
**Longitude:** -79.582982

**Well ID:** **7148417**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:** LAKESHORE 91/99  
**City:** Mississauga

**Tag:** A099993  
**Audit No:** Z116139  
**Contractor License:** 7241  
**Well Completion Date:** 06/10/2010  
**Received Date:** 07/16/2010

**WELL**  
**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:**

**Well Depth (m):** 4.572  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft

**Boring Method:** Direct Push

**Water Kind:**

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1003209253	1.5	inch	PLASTIC	0	5 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	n/a	n/a	BROWN	0	8 ft
2	SILT	SAND	n/a	BROWN	8	15 ft
3	n/a	n/a	n/a	n/a	15	n/a ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.81

**Latitude:** 43.552977  
**Longitude:** -79.583171

**Well ID:** **7148418**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:** LAKE SHORE 91/99  
**City:** Mississauga

**Tag:** A099972  
**Audit No:** Z114392  
**Contractor License:** 7241  
**Well Completion Date:** 06/10/2010  
**Received Date:** 07/16/2010

**WELL**  
**Well Status:** Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Direct Push

**Well Depth (m):** 4.572  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1003209309	1.5	inch	PLASTIC	0	5 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	n/a	LOOSE	BROWN	0	8 ft
2	SILT	SAND	n/a	GREY	8	15 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.46

**Latitude:** 43.553265  
**Longitude:** -79.583127

**Well ID:** **7148419**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:** LAKE SHORE 91/99  
**City:** n/a

**Tag:** A099909  
**Audit No:** Z114391  
**Contractor License:** 7241  
**Well Completion Date:** 06/10/2010  
**Received Date:** 07/16/2010

**WELL**  
**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Direct Push

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Well Depth (m):** 4.572  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1003209364	1.5	inch	PLASTIC	0	5 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	n/a	LOOSE	BROWN	0	8 ft
2	SILT	SAND	LOOSE	GREY	8	15 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.00

**Latitude:** 43.553886  
**Longitude:** -79.583125

**Well ID:** **7148420**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:** LAKESHORE 91/99  
**City:** Mississauga

**Tag:** A099961  
**Audit No:** Z116136  
**Contractor License:** 7241  
**Well Completion Date:** 06/10/2010  
**Received Date:** 07/16/2010

**WELL**  
**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Direct Push

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Well Depth (m):** 3.3528  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1003209379	1.25	inch	PLASTIC	0	6 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	n/a	n/a	BROWN	0	8 ft
2	SILT	SAND	n/a	BROWN	8	11 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.556595  
**Longitude:** -79.582331

**Well ID:** **7155591**

**CATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:**

**Tag:** A100950  
**Audit No:** M07281  
**Contractor License:** 6607  
**Well Completion Date:**

**Street:** MISSISSAUGA CITY (PORT CREDIT)  
**City:** Mississauga

**Received Date:** 02/06/2010

**Well Status:** Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 5.7  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a m  
**Pump Rate:** n/a  
**Recom. Rate:** n/a

**Pipe ID:** 1006147360  
**Pump Test ID:** 1006147372  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006147362	n/a	cm	PLASTIC	n/a	1.9 m
1	1006147371	n/a	cm	PLASTIC	n/a	2.5 m
1	1006147379	5.1	cm	PLASTIC	0	2.5 m
2	1006147380	5.1	cm	PLASTIC	2.5	5.5 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SILT	CLAY	GRAVEL	BROWN	0	3.3 m
2	SILT	CLAY	GRAVEL	GREY	3.3	5.7 m

End of Record

n/a	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.14

**Latitude:** 43.553426  
**Longitude:** -79.583061

**Well ID:** **7157715**

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 103 LAKESHORE ROAD EAST  
**City:** Mississauga

**Tag:** A094139  
**Audit No:** Z126422  
**Contractor License:** 7241  
**Well Completion Date:** 12/03/2010  
**Received Date:** 01/14/2011

**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Other Method

**Well Depth (m):** 1.8288  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**Test Method:**  
**Pump Set (m):**  
**SWL (ft):**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID:**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1003774018	1.25	inch	PLASTIC	2	0 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	GRAVEL	SOFT	BROWN	0	3 ft
2	SAND	GRAVEL	n/a	BROWN	3	6 ft

End of Record

n/a	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.13

**Latitude:** 43.553335  
**Longitude:** -79.582965

**Well ID:** **7157716**

LOCATION

Lot: n/a  
 Con: n/a  
 Municipality: PEEL  
 Township: MISSISSAUGA CITY (PORT CREDIT)  
 Street: 103 LAKESHORE ROAD EAST  
 City: Mississauga

Tag: A094140  
 Audit No: Z126423  
 Contractor License: 7241  
 Well Completion Date: 12/03/2010  
 Received Date: 01/14/2011

WELL

Well Status: Monitoring and Test Hole  
 Prim. Use: n/a  
 Sec. Use: n/a  
 Boring Method: Other Method

Well Depth (m): 5.4864  
 Depth to Bedrock (m): n/a  
 Depth to Water: ft  
 Water Kind:

PUMP TEST

Test Method:  
 Pump Set (m):  
 SWL (ft)  
 Final Level:  
 Pump Rate:  
 Recom. Rate:

Pipe ID:  
 Pump Test ID  
 Flowing:  
 Pump Duration (hr):  
 Pump Duration (m):

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1003774054	0.75	inch	PLASTIC	0	8 ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	SILT	SOFT	BROWN	0	2 ft
2	SAND	GRAVEL	SOFT	BROWN	2	16 ft
3	SAND	n/a	DENSE	BROWN	16	18 ft

End of Record

n/a	Eastings:	<null>
	Northings:	<null>
	Elev (masl):	79.24

Latitude: 43.553345  
 Longitude: -79.583039

Well ID: **7157717**

LOCATION

Lot: n/a  
 Con: n/a  
 Municipality: PEEL  
 Township: MISSISSAUGA CITY (PORT CREDIT)  
 Street: 103 LAKESHORE ROAD EAST  
 City: Mississauga

Tag: A093952  
 Audit No: Z126421  
 Contractor License: 7241  
 Well Completion Date: 12/03/2010  
 Received Date: 01/14/2011

WELL

Well Status: Monitoring and Test Hole  
 Prim. Use: n/a  
 Sec. Use: n/a  
 Boring Method: Other Method

Well Depth (m): 3.6576  
 Depth to Bedrock (m): n/a  
 Depth to Water: ft  
 Water Kind:

PUMP TEST

Test Method:  
 Pump Set (m):  
 SWL (ft)  
 Final Level:  
 Pump Rate:  
 Recom. Rate:

Pipe ID:  
 Pump Test ID  
 Flowing:  
 Pump Duration (hr):  
 Pump Duration (m):

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1003774145	0.75	inch	PLASTIC	0	4 ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SILT	CLAY	DENSE	BROWN	0	6 ft
2	SAND	SILT	n/a	BROWN	6	12 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	80.74

**Latitude:** 43.556575  
**Longitude:** -79.582183

**Well ID:** **7161795**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:**  
**City:** n/a

**Tag:** A100950  
**Audit No:** M08435  
**Contractor License:** 6607  
**Well Completion Date:** 02/14/2011  
**Received Date:** 04/14/2011

**WELL**  
**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
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**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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**End of Record**

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.33

**Latitude:** 43.556033  
**Longitude:** -79.581267

**Well ID:** **7162774**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:**  
**City:** n/a

**Tag:** A110337  
**Audit No:** M08457  
**Contractor License:** 6607  
**Well Completion Date:** 03/15/2011  
**Received Date:** 05/05/2011

**WELL**  
**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
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**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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**End of Record**

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	77.49

**Latitude:** 43.551606  
**Longitude:** -79.583686

**Well ID:** **7162960**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 30 PORT ST E  
**City:** MISSISSAUGA

**Tag:** A103116  
**Audit No:** Z129084  
**Contractor License:** 7215  
**Well Completion Date:** 04/28/2011  
**Received Date:** 05/09/2011

**WELL**  
**Well Status:** Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Rotary (Convent.)

**Well Depth (m):** 4.572  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1003816681	2	inch	PLASTIC	0	5 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	GRAVEL	FILL	LOOSE	BROWN	0	5 ft
2	CLAY	SAND	SOFT	BROWN	5	15 ft

**End of Record**

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	81.14

**Latitude:** 43.552662  
**Longitude:** -79.586063

**Well ID:** **7168027**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 20 STAVEBANK DR  
**City:** MISSISSAUGA

**Tag:** A114327  
**Audit No:** Z136782  
**Contractor License:** 7241  
**Well Completion Date:** 07/24/2011  
**Received Date:** 09/01/2011

**WELL**  
**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Direct Push

**Well Depth (m):** 6.096  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1003917683	2	inch	PLASTIC	0	10 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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1	SILT	SAND	n/a	BROWN	0	8	ft
2	SILT	SAND	WATER-BEARING	GREY	8	20	ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	78.05

**Latitude:** 43.552379  
**Longitude:** -79.58649

**Well ID:** **7168028**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 20 STAVEBANK DR  
**City:** MISSISSAUGA

**Tag:** A114329  
**Audit No:** Z136783  
**Contractor License:** 7241  
**Well Completion Date:** 07/24/2011  
**Received Date:** 09/01/2011

**WELL**  
**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Direct Push

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1003917695	2	inch	PLASTIC	0	10 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	80.29

**Latitude:** 43.552566  
**Longitude:** -79.58635

**Well ID:** **7168029**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 20 STAVEBANK DR  
**City:** MISSISSAUGA

**Tag:** A114323  
**Audit No:** Z136784  
**Contractor License:** 7241  
**Well Completion Date:** 07/24/2011  
**Received Date:** 09/01/2011

**WELL**  
**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Direct Push

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1003917720	2	inch	PLASTIC	0	10 ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

n/a	Easting:	<null>
	Northing:	<null>
	Elev (masl):	79.39

Latitude: 43.553228  
Longitude: -79.583054

Well ID: **7183548**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 103 LAKESHORE RD E  
**City:** MISSISSAUGA

**Tag:** A125614  
**Audit No:** Z151074  
**Contractor License:** 7241  
**Well Completion Date:** 05/30/2012  
**Received Date:** 07/06/2012

**WELL**  
**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Direct Push

**Well Depth (m):** 4.5  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1004340785	4.02	cm	PLASTIC	0	1.5 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	SOFT	BROWN	0	1 m
2	SILT	SAND	SOFT	BROWN	1	3 m
3	SILT	FINE SAND	SOFT	GREY	3	4.5 m

End of Record

n/a	Easting:	<null>
	Northing:	<null>
	Elev (masl):	79.44

Latitude: 43.553255  
Longitude: -79.583115

Well ID: **7183549**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 103 LAKESHORE RD E  
**City:** MISSISSAUGA

**Tag:** A125621  
**Audit No:** Z151075  
**Contractor License:** 7241  
**Well Completion Date:** 05/30/2012  
**Received Date:** 07/06/2012

**WELL**  
**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Other Method

**Well Depth (m):** 4.5  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1004340841	4.02	cm	PLASTIC	0	1.5 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	SOFT	BROWN	0	1 m
2	SAND	SILT	SOFT	BROWN	1	3 m
3	SILT	FINE SAND	SOFT	GREY	3	4.5 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.40

**Latitude:** 43.553448  
**Longitude:** -79.583395

**Well ID:** **7183814**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 103 LAKESHORE RD E  
**City:** MISSISSAUGA

**Tag:** A113461  
**Audit No:** Z151073  
**Contractor License:** 7241  
**Well Completion Date:** 05/30/2012  
**Received Date:** 07/06/2012

**WELL**  
**Well Status:** Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Other Method

**Well Depth (m):** 1.4  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1004349951	3.45	cm	PLASTIC	0	0.7 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	OTHER	n/a	HARD	WHITE	0	0.2 m
2	SAND	GRAVEL	SOFT	BROWN	0.2	1 m
3	SILT	FINE SAND	SOFT	GREY	1	1.4 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	77.05

**Latitude:** 43.551431  
**Longitude:** -79.584854

**Well ID:** **7187652**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 31 LAKESHORE RD E  
**City:** Mississauga

**Tag:** A130554  
**Audit No:** Z150321  
**Contractor License:** 7501  
**Well Completion Date:** 09/13/2012  
**Received Date:** 09/24/2012

**WELL**  
**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Rotary (Convent.)

**Well Depth (m):** 8.2296  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**

**PUMP**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1004425040	2	inch	PLASTIC	0.5	17 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	LOOSE	BROWN	0	3 ft
2	SILT	CLAY	DENSE	GREY	3	20 ft
3	SILT	CLAY	SAND	GREY	20	27 ft

**End of Record**

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	79.24

**Latitude:** 43.553336  
**Longitude:** -79.583039

**Well ID:** **7187901**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 103 LAKESHORE RD E  
**City:** Mississauga

**Tag:** A137100  
**Audit No:** Z156840  
**Contractor License:** 7241  
**Well Completion Date:** 08/17/2012  
**Received Date:** 09/24/2012

**WELL**  
**Well Status:** Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Direct Push

**Well Depth (m):** 4.572  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft):**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1004442181	2	inch	PLASTIC	0	5 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	n/a	n/a	BROWN	0	4 ft
2	TILL	n/a	n/a	BROWN	4	6 ft
3	SAND	SILT	n/a	BROWN	6	8 ft
4	SILT	SAND	WATER-BEARING	GREY	8	15 ft

**End of Record**

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	78.80

**Latitude:** 43.55374  
**Longitude:** -79.583005

**Well ID:** **7187902**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 103 LAKESHORE RD E  
**City:** Mississauga

**Tag:** A137099  
**Audit No:** Z156841  
**Contractor License:** 7241  
**Well Completion Date:** 08/17/2012  
**Received Date:** 09/24/2012

**WELL**  
**Well Status:** Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Direct Push

**Well Depth (m):** 4.572  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
 Test Method:  
 Pump Set (m):  
 SWL (ft)  
 Final Level:  
 Pump Rate:  
 Recom. Rate:

Pipe ID:  
 Pump Test ID  
 Flowing:  
 Pump Duration (hr):  
 Pump Duration (m):

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1004442196	2	inch	PLASTIC	0	5 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	n/a	n/a	BROWN	0	4 ft
2	TILL	n/a	n/a	BROWN	4	6 ft
3	SAND	SILT	n/a	BROWN	6	8 ft
4	SILT	SAND	WATER-BEARING	GREY	8	15 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.18

**Latitude:** 43.553308  
**Longitude:** -79.582978

**Well ID:** **7187903**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 103 LAKESHORE RD E  
**City:** Mississauga

**Tag:** A137098  
**Audit No:** Z156839  
**Contractor License:** 7241  
**Well Completion Date:** 08/17/2012  
**Received Date:** 09/24/2012

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Direct Push

**Well Depth (m):** 4.572  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
 Test Method:  
 Pump Set (m):  
 SWL (ft)  
 Final Level:  
 Pump Rate:  
 Recom. Rate:

Pipe ID:  
 Pump Test ID  
 Flowing:  
 Pump Duration (hr):  
 Pump Duration (m):

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1004442211	2	inch	PLASTIC	0	5 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	n/a	n/a	BROWN	0	4 ft
2	TILL	n/a	n/a	BROWN	4	6 ft
3	SAND	SILT	n/a	BROWN	6	8 ft
4	SILT	SAND	WATER-BEARING	GREY	8	15 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	75.47

**Latitude:** 43.551774  
**Longitude:** -79.582741

**Well ID:** **7187967**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 130 LAKESHORE RD  
**City:** Mississauga

**Tag:** A131120  
**Audit No:** Z148598  
**Contractor License:** 7241  
**Well Completion Date:** 08/28/2012  
**Received Date:** 09/24/2012

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Direct Push

**Well Depth (m):** 4.572  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1004447045	1.6	inch	PLASTIC	0	5 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	FILL	BROWN	0	2 ft
2	SILT	SAND	LOOSE	BROWN	2	10 ft
3	SILT	CLAY	SOFT	GREY	10	15 ft

**End of Record**

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	76.77

**Latitude:** 43.549693  
**Longitude:** -79.586256

**Well ID:** **7188470**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:**  
**City:** n/a

**Tag:** A136173  
**Audit No:** C18421  
**Contractor License:** 7215  
**Well Completion Date:** 08/12/2012  
**Received Date:** 09/27/2012

**WELL**  
**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
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**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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**End of Record**

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	77.15

**Latitude:** 43.55046  
**Longitude:** -79.58786

**Well ID:** **7188960**

**CATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:**

**Tag:** A136203  
**Audit No:** C19374  
**Contractor License:** 7215  
**Well Completion Date:**

LOC	<b>Street:</b>	MISSISSAUGA CITY	<b>Received Date:</b>	08/09/2012
	<b>City:</b>	n/a		
WELL	<b>Well Status:</b>	<null>	<b>Well Depth (m):</b>	0
	<b>Prim. Use:</b>	n/a	<b>Depth to Bedrock (m):</b>	n/a
	<b>Sec. Use:</b>	n/a	<b>Depth to Water:</b>	
	<b>Boring Method:</b>		<b>Water Kind:</b>	
PUMP TEST	<b>Test Method:</b>		<b>Pipe ID:</b>	
	<b>Pump Set (m):</b>		<b>Pump Test ID</b>	
	<b>SWL (ft)</b>		<b>Flowing:</b>	
	<b>Final Level:</b>		<b>Pump Duration (hr):</b>	
	<b>Pump Rate:</b>		<b>Pump Duration (m):</b>	
	<b>Recom. Rate:</b>			

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
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**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>n/a</b>	<b>Easting:</b>	<null>	<b>Latitude:</b>	43.550622	<b>Well ID:</b> <b>7190772</b>
	<b>Northing:</b>	<null>	<b>Longitude:</b>	-79.586395	
	<b>Elev (masl):</b>	75.65			

LOCATION	<b>Lot:</b>	n/a	<b>Tag:</b>	A061059
	<b>Con:</b>	n/a	<b>Audit No:</b>	Z159438
	<b>Municipality:</b>	PEEL	<b>Contractor License:</b>	5459
	<b>Township:</b>	MISSISSAUGA CITY (PORT CREDIT)	<b>Well Completion Date:</b>	09/25/2012
WELL	<b>Street:</b>	STOVBANK RD	<b>Received Date:</b>	11/02/2012
	<b>City:</b>	n/a		
	<b>Well Status:</b>	Dewatering	<b>Well Depth (m):</b>	10.0584
	<b>Prim. Use:</b>	n/a	<b>Depth to Bedrock (m):</b>	n/a
	<b>Sec. Use:</b>	n/a	<b>Depth to Water:</b>	ft
PUMP TEST	<b>Boring Method:</b>	Rotary (Air)	<b>Water Kind:</b>	
	<b>Test Method:</b>		<b>Pipe ID:</b>	
	<b>Pump Set (m):</b>		<b>Pump Test ID</b>	
	<b>SWL (ft)</b>		<b>Flowing:</b>	
	<b>Final Level:</b>		<b>Pump Duration (hr):</b>	
	<b>Pump Rate:</b>		<b>Pump Duration (m):</b>	
<b>Recom. Rate:</b>				

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1004475322	6	inch	STEEL	0	20 ft
2	1004475323	5	inch	STEEL	30	33 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	SILT	GREY	0	20 ft
2	LIMESTONE	SILT	CLAY	GREY	20	33 ft
3	n/a	n/a	n/a	n/a	33	n/a ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>	<b>Latitude:</b>	43.553073	<b>Well ID:</b> <b>7211007</b>
	<b>Northing:</b>	<null>	<b>Longitude:</b>	-79.583676	
	<b>Elev (masl):</b>	80.10			

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 99 LAKESHORE RD  
**City:** PORT CREDIT

**Tag:** A155432  
**Audit No:** Z179108  
**Contractor License:** 7472  
**Well Completion Date:** 05/06/2013  
**Received Date:** 11/08/2013

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 12.1  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1004889439	5.2	cm	PLASTIC	0	9.1 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FINE SAND	DENSE	n/a	BROWN	0	6 m
2	SHALE	CLAY	HARD	GREY	6	12.1 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	78.82

**Latitude:** 43.552766  
**Longitude:** -79.582842

**Well ID:** **7211008**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 99 LAKESHORE RD  
**City:** PORT CREDIT

**Tag:** A155431  
**Audit No:** Z179109  
**Contractor License:** 7472  
**Well Completion Date:** 05/06/2013  
**Received Date:** 11/08/2013

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 12.1  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1004889450	5.2	cm	PLASTIC	0	9.1 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FINE SAND	DENSE	n/a	BROWN	0	6 m
2	SHALE	CLAY	HARD	GREY	6	12.1 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.26

**Latitude:** 43.5531  
**Longitude:** -79.582908

**Well ID:** **7211009**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 99 LAKESHORE RD  
**City:** PORT CREDIT

**Tag:** A155430  
**Audit No:** Z179110  
**Contractor License:** 7472  
**Well Completion Date:** 05/06/2013  
**Received Date:** 11/08/2013

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 12.1  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1004889461	5.2	cm	PLASTIC	0	9.1 m

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FINE SAND	DENSE	n/a	BROWN	0	6 m
2	SHALE	CLAY	HARD	GREY	6	12.1 m

**End of Record**

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	82.44

**Latitude:** 43.553097  
**Longitude:** -79.588541

**Well ID:** **7219153**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** PARK ST. E & STAVEBANK RD. MEMORIAL PARK  
**City:** PORT CREDIT

**Tag:** A145615  
**Audit No:** Z175941  
**Contractor License:** 6809  
**Well Completion Date:** 10/18/2013  
**Received Date:** 04/10/2014

**WELL**  
**Well Status:** Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Auger

**Well Depth (m):** 6.7056  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:** FRESH

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1005141647	2	inch	PLASTIC	0	12 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	n/a	n/a	BROWN	0	12 ft
2	TILL	n/a	n/a	BROWN	12	15 ft
3	TILL	n/a	n/a	GREY	15	22 ft

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	77.09

**Latitude:** 43.551478  
**Longitude:** -79.584964

**Well ID:** **7226930**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 31 LAKESHORE BLVD. E  
**City:** MISSISSAUGA

**Tag:** Z192976  
**Audit No:** 7241  
**Contractor License:** 7241  
**Well Completion Date:** 07/24/2014  
**Received Date:** 09/08/2014

**WELL**  
**Well Status:** Abandoned Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Direct Push

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft):**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1005310075	5.2	cm	PLASTIC	0	3.1 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	84.60

**Latitude:** 43.55621  
**Longitude:** -79.586834

**Well ID:** **7243496**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** PORT CREDIT GO STATION  
**City:** PORT CREDIT

**Tag:** A175784  
**Audit No:** Z203315  
**Contractor License:** 7147  
**Well Completion Date:** 06/06/2015  
**Received Date:** 06/25/2015

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 6.1  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft):**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1005616497	5	cm	PLASTIC	0	3.1 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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1	n/a	n/a	n/a	GREY	0	0.2	m
2	n/a	n/a	n/a	BROWN	0.2	3.3	m
3	SAND	TILL	n/a	BROWN	3.3	6.1	m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	80.00

**Latitude:** 43.555185  
**Longitude:** -79.58333

**Well ID:** **7267968**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:**  
**City:** n/a

**Tag:** A203341  
**Audit No:** C33944  
**Contractor License:** 7230  
**Well Completion Date:** 06/22/2016  
**Received Date:** 07/28/2016

**WELL**  
**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

#### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
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#### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	75.78

**Latitude:** 43.550393  
**Longitude:** -79.580248

**Well ID:** **7274681**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 11 PORT STREET EAST  
**City:** PORT CREDIT

**Tag:** A196773  
**Audit No:** Z229227  
**Contractor License:** 6607  
**Well Completion Date:** 08/19/2016  
**Received Date:** 11/08/2016

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 2.9  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

#### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006405293	5.1	cm	PLASTIC	0	1.4 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	STONES	LOOSE	BROWN	0	2.9 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	76.21

**Latitude:** 43.550835  
**Longitude:** -79.581042

**Well ID:** **7274682**

LOCATION  
WELL  
PUMP TEST

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 1 PORT ST E  
**City:** PORT CREDIT

**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Tag:** A201573  
**Audit No:** Z229228  
**Contractor License:** 6607  
**Well Completion Date:** 08/19/2016  
**Received Date:** 11/08/2016

**Well Depth (m):** 2.9  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006405303	5.1	cm	PLASTIC	0	1.4 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	STONES	LOOSE	BROWN	0	2.9 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	75.75

**Latitude:** 43.551285  
**Longitude:** -79.581775

**Well ID:** **7274683**

LOCATION  
WELL  
PUMP TEST

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 1 PORT ST E  
**City:** PORT CREDIT

**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Tag:** A201589  
**Audit No:** Z229229  
**Contractor License:** 6607  
**Well Completion Date:** 08/19/2016  
**Received Date:** 11/08/2016

**Well Depth (m):** 2.9  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006405354	5.1	cm	PLASTIC	0	1.4 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	STONES	LOOSE	BROWN	0	2.9 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	75.90

**Latitude:** 43.55246  
**Longitude:** -79.581388

**Well ID:** **7274684**

**LOCATION**

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 1 PORT ST E  
**City:** Mississauga

**Tag:** A209766  
**Audit No:** Z229244  
**Contractor License:** 6607  
**Well Completion Date:** 08/24/2016  
**Received Date:** 11/08/2016

**WELL**

**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 3.9  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**PUMP TEST**

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006405365	5.1	cm	PLASTIC	0	2.4 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	LOOSE	BROWN	0	1 m
2	FILL	SAND	LOOSE	BROWN	1	3.9 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	77.94

**Latitude:** 43.552483  
**Longitude:** -79.582514

**Well ID:** **7274685**

**LOCATION**

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 1 PORT ST E  
**City:** Mississauga

**Tag:** A209765  
**Audit No:** Z229245  
**Contractor License:** 6607  
**Well Completion Date:** 08/25/2016  
**Received Date:** 11/08/2016

**WELL**

**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 3.9  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**TEST**

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**

**PUMP**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006405423	5.1	cm	PLASTIC	0	2.4 m

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	LOOSE	BROWN	0	1 m
2	SILT	SAND	DENSE	BROWN	1	2.7 m
3	SILT	GRAVEL	DENSE	GREY	2.7	3.9 m

**End of Record**

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	75.29

**Latitude:** 43.552129  
**Longitude:** -79.5823

**Well ID:** **7274686**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 1 PORT ST E  
**City:** Mississauga

**Tag:** A209764  
**Audit No:** Z229246  
**Contractor License:** 6607  
**Well Completion Date:** 08/25/2016  
**Received Date:** 11/08/2016

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 3.9  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft):**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006405435	5.1	cm	PLASTIC	0	2.4 m

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	LOOSE	BROWN	0	1 m
2	SILT	FILL	LOOSE	BROWN	1	3 m
3	SILT	SAND	DENSE	GREY	3	3.9 m

**End of Record**

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	76.20

**Latitude:** 43.55253  
**Longitude:** -79.581943

**Well ID:** **7274735**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 11 PORT ST E  
**City:** Mississauga

**Tag:** A209763  
**Audit No:** Z229247  
**Contractor License:** 6607  
**Well Completion Date:** 08/24/2016  
**Received Date:** 11/08/2016

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Not Known

**Well Depth (m):** 3.9  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**PUMP TEST**  
Test Method:  
Pump Set (m):  
SWL (ft)  
Final Level:  
Pump Rate:  
Recom. Rate:

Pipe ID:  
Pump Test ID  
Flowing:  
Pump Duration (hr):  
Pump Duration (m):

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006407361	5.1	cm	PLASTIC	0	2.4 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	LOOSE	BROWN	0	1 m
2	FILL	ROCK	LOOSE	BROWN	1	3 m
3	SILT	SAND	DENSE	GREY	3	3.9 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	75.95

**Latitude:** 43.549427  
**Longitude:** -79.580048

Well ID: **7274748**

**LOCATION**  
Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: 1 PORT ST E  
City: PORT CREDIT

Tag: A196772  
Audit No: Z229226  
Contractor License: 6607  
Well Completion Date: 08/19/2016  
Received Date: 11/08/2016

**WELL**  
Well Status: Observation Wells  
Prim. Use: n/a  
Sec. Use: n/a  
Boring Method: Boring

Well Depth (m): 0.73152  
Depth to Bedrock (m): n/a  
Depth to Water: ft  
Water Kind: Untested

**PUMP TEST**  
Test Method:  
Pump Set (m):  
SWL (ft)  
Final Level:  
Pump Rate:  
Recom. Rate:

Pipe ID:  
Pump Test ID  
Flowing:  
Pump Duration (hr):  
Pump Duration (m):

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006407821	5.1	inch	PLASTIC	0	1 ft
2	1006407822	n/a	inch	<null>	n/a	n/a ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	STONES	LOOSE	BROWN	0	2.4 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	80.46

**Latitude:** 43.553519  
**Longitude:** -79.586971

Well ID: **7278218**

**LOCATION**  
Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: 21 PARK ST E  
City: PORT CREDIT

Tag: A213503  
Audit No: Z232728  
Contractor License: 7238  
Well Completion Date: 12/06/2016  
Received Date: 12/28/2016

**WELL**  
Well Status: Observation Wells  
Prim. Use:

Well Depth (m): 14.9352  
Depth to Bedrock (m): n/a

**WE** Sec. Use: n/a  
Boring Method: Boring

Depth to Water: ft  
Water Kind:

**PUMP TEST** Test Method:  
Pump Set (m):  
SWL (ft)  
Final Level:  
Pump Rate:  
Recom. Rate:

Pipe ID:  
Pump Test ID  
Flowing:  
Pump Duration (hr):  
Pump Duration (m):

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006534286	1	inch	PLASTIC	0	39 ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	5 ft
2	CLAY	n/a	SOFT	GREY	5	15 ft
3	CLAY	n/a	n/a	GREY	15	20 ft
4	CLAY	GRAVEL	n/a	n/a	20	30 ft
5	LIMESTONE	n/a	n/a	n/a	30	49 ft

End of Record

n/a	Easting:	<null>
	Northing:	<null>
	Elev (masl):	79.20

Latitude: 43.553688  
Longitude: -79.586806

Well ID: **7278219**

**LOCATION** Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: 27 PARK ST E  
City: PORT CREDIT

Tag: A213501  
Audit No: Z232729  
Contractor License: 7238  
Well Completion Date: 12/02/2016  
Received Date: 12/28/2016

**WELL** Well Status: Observation Wells  
Prim. Use: n/a  
Sec. Use: n/a  
Boring Method: Boring

Well Depth (m): 7.4676  
Depth to Bedrock (m): n/a  
Depth to Water: ft  
Water Kind:

**PUMP TEST** Test Method:  
Pump Set (m):  
SWL (ft)  
Final Level:  
Pump Rate:  
Recom. Rate:

Pipe ID:  
Pump Test ID  
Flowing:  
Pump Duration (hr):  
Pump Duration (m):

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006534301	2	inch	PLASTIC	0	14 ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	2.5 ft
2	CLAY	n/a	SOFT	BROWN	2.5	10 ft
3	CLAY	SILT	n/a	GREY	10	15 ft
4	CLAY	GRAVEL	n/a	n/a	15	24 ft
5	n/a	n/a	n/a	n/a	24	24.5 ft

End of Record

n/a	Easting:	<null>
	Northing:	<null>
	Elev (masl):	80.48

Latitude: 43.553491  
Longitude: -79.586898

Well ID: **7278220**

**LOCATION** Lot: n/a  
Con: n/a  
Municipality:

Tag: A213502  
Audit No: Z232730  
Contractor License: 7238

**LOCA**  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 21 PARK ST E  
**City:** PORT CREDIT

**Well Completion Date:** 12/02/2016  
**Received Date:** 12/28/2016

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 9.144  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006534355	2	inch	PLASTIC	0	10 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	2.5 ft
2	CLAY	n/a	n/a	BROWN	2.5	7.5 ft
3	CLAY	SILT	SOFT	GREY	7.5	15 ft
4	CLAY	GRAVEL	n/a	GREY	15	25 ft
5	CLAY	GRAVEL	HARD	GREY	25	30 ft

**End of Record**

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	78.11

**Latitude:** 43.550089  
**Longitude:** -79.587695

**Well ID:** **7280175**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 104 LAKESHORE RD WEST  
**City:** PORT CREDIT

**Tag:** A185636  
**Audit No:** Z250909  
**Contractor License:** 7241  
**Well Completion Date:** 12/22/2016  
**Received Date:** 02/02/2017

**WELL**  
**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Rotary (Convent.)

**Well Depth (m):** 3.6576  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006543733	1.25	inch	PLASTIC	2	0 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	n/a	n/a	n/a	BLACK	0	0.5 ft
2	FILL	n/a	n/a	BROWN	0.5	7 ft
3	SILT	SAND	n/a	BROWN	7	12 ft

**End of Record**

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northing:</b>	<null>

**Latitude:** 43.550126  
**Longitude:** -79.587769

**Well ID:** **7280176**

n/a Elev (masl): 78.15

LOCATION Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: 104 LAKESHORE RD WEST  
City: PORT CREDIT

Tag: A185637  
Audit No: Z250910  
Contractor License: 7241  
Well Completion Date: 12/22/2016  
Received Date: 02/02/2017

WELL Well Status: Monitoring and Test Hole  
Prim. Use: n/a  
Sec. Use: n/a  
Boring Method: Rotary (Convent.)

Well Depth (m): 3.6576  
Depth to Bedrock (m): n/a  
Depth to Water: ft  
Water Kind:

PUMP TEST Test Method:  
Pump Set (m):  
SWL (ft)  
Final Level:  
Pump Rate:  
Recom. Rate:

Pipe ID:  
Pump Test ID  
Flowing:  
Pump Duration (hr):  
Pump Duration (m):

CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Table with 7 columns: Layer, Case ID, Casing Diamter, Diamter Units, Material, Top Depth, Bottom Depth. Row 1: 1, 1006543855, 1.25, inch, PLASTIC, 2, 0 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Table with 7 columns: Layer, Material, Material 2, Material 3, Colour, Top Depth, Bottom Depth. Rows 1-3: 1 (n/a, n/a, n/a, BLACK, 0, 0.5 ft), 2 (FILL, n/a, n/a, BROWN, 0.5, 7 ft), 3 (SILT, SAND, n/a, BROWN, 7, 12 ft)

End of Record

n/a Easting: <null>  
Northing: <null>  
Elev (masl): 78.22

Latitude: 43.55  
Longitude: -79.587784

Well ID: 7280177

LOCATION Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: 104 LAKESHORE RD WEST  
City: PORT CREDIT

Tag: A185638  
Audit No: Z250911  
Contractor License: 7241  
Well Completion Date: 12/22/2016  
Received Date: 02/02/2017

WELL Well Status: Monitoring and Test Hole  
Prim. Use: n/a  
Sec. Use: n/a  
Boring Method: Rotary (Convent.)

Well Depth (m): 3.6576  
Depth to Bedrock (m): n/a  
Depth to Water: ft  
Water Kind:

PUMP TEST Test Method:  
Pump Set (m):  
SWL (ft)  
Final Level:  
Pump Rate:  
Recom. Rate:

Pipe ID:  
Pump Test ID  
Flowing:  
Pump Duration (hr):  
Pump Duration (m):

CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Table with 7 columns: Layer, Case ID, Casing Diamter, Diamter Units, Material, Top Depth, Bottom Depth. Row 1: 1, 1006543908, 1.25, inch, PLASTIC, 2, 0 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Table with 7 columns: Layer, Material, Material 2, Material 3, Colour, Top Depth, Bottom Depth. Rows 1-3: 1 (n/a, n/a, n/a, BLACK, 0, 0.5 ft), 2 (FILL, n/a, n/a, BROWN, 0.5, 7 ft), 3 (SILT, SAND, n/a, BROWN, 7, 12 ft)

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	78.29

**Latitude:** 43.550064  
**Longitude:** -79.587882

**Well ID:** **7280178**

**LOCATION**

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 104 LAKESHORE RD WEST  
**City:** PORT CREDIT

**Tag:** A185639  
**Audit No:** Z250912  
**Contractor License:** 7241  
**Well Completion Date:** 12/22/2016  
**Received Date:** 02/02/2017

**WELL**

**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Rotary (Convent.)

**Well Depth (m):** 3.9624  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1006543922	1.25	inch	PLASTIC	2	0 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	n/a	n/a	n/a	BLACK	0	0.5 ft
2	FILL	n/a	n/a	BROWN	0.5	7 ft
3	SILT	SAND	n/a	BROWN	7	13 ft

**End of Record**

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	77.99

**Latitude:** 43.55015  
**Longitude:** -79.587595

**Well ID:** **7280179**

**LOCATION**

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 104 LAKESHORE RD WEST  
**City:** PORT CREDIT

**Tag:** A185640  
**Audit No:** Z250913  
**Contractor License:** 7241  
**Well Completion Date:** 12/22/2016  
**Received Date:** 02/02/2017

**WELL**

**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Rotary (Convent.)

**Well Depth (m):** 4.572  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1006543935	1.25	inch	PLASTIC	5	0 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	7 ft
2	SILT	SAND	n/a	BROWN	7	15 ft

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.77

**Latitude:** 43.55638  
**Longitude:** -79.580949

**Well ID:** **7282790**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 158 LAKESHORE RD E  
**City:** Mississauga

**Tag:** A217279  
**Audit No:** Z253455  
**Contractor License:** 7241  
**Well Completion Date:** 02/09/2017  
**Received Date:** 03/13/2017

**WELL**  
**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 2.1336  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006583041	1.25	inch	PLASTIC	0	2 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	SHALE	WEATHERED	GREY	0	5 ft
2	n/a	n/a	n/a	n/a	5	7 ft

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.83

**Latitude:** 43.556397  
**Longitude:** -79.580887

**Well ID:** **7282791**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:**  
**City:** n/a

**Tag:** A185650  
**Audit No:** Z253454  
**Contractor License:** 7241  
**Well Completion Date:** 02/10/2017  
**Received Date:** 03/13/2017

**WELL**  
**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
0	1006583050	n/a	inch	<null>	n/a	n/a ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
-------	----------	------------	------------	--------	-----------	--------------

0 n/a n/a n/a n/a n/a n/a ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.70

**Latitude:** 43.556327  
**Longitude:** -79.581025

**Well ID:** **7282792**

LOCATION  
WELL  
PUMP TEST

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY  
**Street:** 158 LAKESHORE RD E  
**City:** Mississauga

**Tag:** A185651  
**Audit No:** Z253456  
**Contractor License:** 7241  
**Well Completion Date:** 02/09/2017  
**Received Date:** 03/13/2017

**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 2.1336  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1006583081	1.25	inch	PLASTIC	0	2 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	SHALE	WEATHERED	GREY	0	5 ft
2	n/a	n/a	n/a	n/a	5	7 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.97

**Latitude:** 43.556633  
**Longitude:** -79.581042

**Well ID:** **7284531**

LOCATION  
WELL  
PUMP TEST

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 158 LAKESHORE RD E  
**City:** Mississauga

**Tag:** A195287  
**Audit No:** Z246111  
**Contractor License:** 7147  
**Well Completion Date:** 03/28/2017  
**Received Date:** 04/07/2017

**Well Status:** Abandoned Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1006633041	5	cm	PLASTIC	0	0.9 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
0	n/a	n/a	n/a	n/a	n/a	n/a m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.66

**Latitude:** 43.556273  
**Longitude:** -79.581026

Well ID: **7284532**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 158 LAKESHORE RD E  
**City:** Mississauga

**Tag:** A185544  
**Audit No:** Z246110  
**Contractor License:** 7147  
**Well Completion Date:** 03/28/2017  
**Received Date:** 04/07/2017

**WELL**  
**Well Status:** Abandoned Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006633115	3.2	cm	PLASTIC	0	0.6 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
0	n/a	n/a	n/a	n/a	n/a	n/a m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.76

**Latitude:** 43.556453  
**Longitude:** -79.581034

Well ID: **7284533**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 158 LAKESHORE RD EAST  
**City:** Mississauga

**Tag:**  
**Audit No:** Z246113  
**Contractor License:** 7147  
**Well Completion Date:** 03/28/2017  
**Received Date:** 04/07/2017

**WELL**  
**Well Status:** Abandoned Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1006633133	5	cm	PLASTIC	0	3 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
0	n/a	n/a	n/a	n/a	n/a	n/a m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.76

**Latitude:** 43.556353  
**Longitude:** -79.58095

**Well ID:** **7284534**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 158 LAKESHJORE RD E  
**City:** Mississauga

**Tag:** A217251  
**Audit No:** Z246109  
**Contractor License:** 7147  
**Well Completion Date:** 03/28/2017  
**Received Date:** 04/07/2017

**WELL**  
**Well Status:** Abandoned Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m(  
**Water Kind:** Untested

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1006633154	3.2	cm	PLASTIC	0	0.6 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
0	n/a	n/a	n/a	n/a	n/a	n/a m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.83

**Latitude:** 43.556434  
**Longitude:** -79.580911

**Well ID:** **7284535**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 158 LAKESHORE RD E  
**City:** Mississauga

**Tag:** A217243  
**Audit No:** Z246108  
**Contractor License:** 7147  
**Well Completion Date:** 03/28/2017  
**Received Date:** 04/07/2017

**WELL**  
**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m(  
**Water Kind:** Untested

**TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**

**PUMP**  
Final Level:  
Pump Rate:  
Recom. Rate:

Pump Duration (hr):  
Pump Duration (m):

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006633194	3.2	cm	PLASTIC	0	0.6 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
0	n/a	n/a	n/a	n/a	n/a	n/a m

End of Record

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	80.39

**Latitude:** 43.55689  
**Longitude:** -79.579959

**Well ID:** **7287213**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 170 LAKESHORE ROAD EAST  
**City:** Oakville

**Tag:** A222349  
**Audit No:** Z234258  
**Contractor License:** 7464  
**Well Completion Date:** 04/12/2017  
**Received Date:** 05/26/2017

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 6.096  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft):**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006744016	2	inch	PLASTIC	0	10 ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	n/a	LOOSE	BROWN	0	3 ft
2	SILT	CLAY	PACKED	BROWN	3	10 ft
3	SILT	CLAY	PACKED	GREY	10	20 ft

End of Record

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	79.78

**Latitude:** 43.555089  
**Longitude:** -79.583567

**Well ID:** **7288429**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 8 ANN ST  
**City:** n/a

**Tag:** A203341  
**Audit No:** Z230821  
**Contractor License:** 7230  
**Well Completion Date:**  
**Received Date:** 06/19/2017

**WELL**  
**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:** Untested

**PUMP TEST**  
 Test Method:  
 Pump Set (m):  
 SWL (ft)  
 Final Level:  
 Pump Rate:  
 Recom. Rate:

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006778046	5	inch	PLASTIC	0	3.1 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
0	n/a	n/a	n/a	n/a	n/a	n/a ft

End of Record

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	84.51

**Latitude:** 43.557635  
**Longitude:** -79.585575

**Well ID:** **7290469**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** NORTH OF TRACKS NEAR ORICLE AVE  
**City:** Mississauga

**Tag:** A224416  
**Audit No:** Z248389  
**Contractor License:** 6607  
**Well Completion Date:** 05/03/2017  
**Received Date:** 07/18/2017

**WELL**  
**Well Status:** Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 10.1  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
 Test Method:  
 Pump Set (m):  
 SWL (ft)  
 Final Level:  
 Pump Rate:  
 Recom. Rate:

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006694205	5.1	cm	PLASTIC	0	6.7 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	OTHER	GRAVEL	DENSE	BLACK	0	0.2 m
2	OTHER	SAND	LOOSE	BROWN	0.2	0.7 m
3	SILT	SAND	OTHER	BROWN	0.7	2.3 m
4	SAND	SILT	GRAVEL	GREY	2.3	10.1 m

End of Record

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	84.53

**Latitude:** 43.55747  
**Longitude:** -79.585381

**Well ID:** **7290480**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 30 QUEEN ST E  
**City:** Mississauga

**Tag:** A209829  
**Audit No:** Z248282  
**Contractor License:** 6607  
**Well Completion Date:** 05/26/2017  
**Received Date:** 07/18/2017

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Well Depth (m):** 11.9  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006694577	5.1	cm	PLASTIC	0.1	9 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	FILL	BROWN	0	0.6 m
2	SILT	SAND	DENSE	BROWN	0.6	3.4 m
3	SILT	CLAY	DENSE	GREY	3.4	7.6 m
4	CLAY	SILT	DENSE	GREY	7.6	9 m
5	SHALE	LIMESTONE	LAYERED	GREY	9	11.9 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	83.11

**Latitude:** 43.557229  
**Longitude:** -79.584805

**Well ID:** **7290487**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 30 QUEEN ST E  
**City:** Mississauga

**Tag:** A224322  
**Audit No:** Z248283  
**Contractor License:** 6607  
**Well Completion Date:** 05/24/2017  
**Received Date:** 07/18/2017

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Well Depth (m):** 13.2  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006696666	5.1	cm	PLASTIC	0.1	10.3 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	FILL	BROWN	0	0.7 m
2	SILT	SAND	DENSE	BROWN	0.7	2.3 m
3	SILT	CLAY	DENSE	GREY	2.3	8.8 m
4	SHALE	LIMESTONE	LAYERED	GREY	8.8	13.2 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	84.60

**Latitude:** 43.557509  
**Longitude:** -79.585628

**Well ID:** **7290488**

**LOCATION**  
**Lot:**  
**Con:**  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 46 ORIOLE AVE  
**City:** Mississauga

**Tag:** A224419  
**Audit No:** Z248281  
**Contractor License:** 6607  
**Well Completion Date:** 05/23/2017  
**Received Date:** 07/18/2017

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 13.5  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1006696719	5.1	cm	PLASTIC	0.1	9.7 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	FILL	BROWN	0	1 m
2	SAND	SILT	LOOSE	BROWN	1	2 m
3	SILT	CLAY	DENSE	BROWN	2	3 m
4	SILT	CLAY	DENSE	GREY	3	9.1 m
5	SHALE	LIMESTONE	LAYERED	GREY	9.1	13.5 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	80.30

**Latitude:** 43.55686  
**Longitude:** -79.580468

**Well ID:** **7295291**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:**  
**City:** n/a

**Tag:** A208405  
**Audit No:** C37174  
**Contractor License:** 7464  
**Well Completion Date:** 03/14/2017  
**Received Date:** 09/25/2017

**WELL**  
**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
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**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	80.24

**Latitude:** 43.553532  
**Longitude:** -79.587281

**Well ID:** **7296325**

**LOCATION**

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:**  
**City:** n/a

**Tag:** A223407  
**Audit No:** C38357  
**Contractor License:** 7147  
**Well Completion Date:**  
**Received Date:** 10/03/2017

**WELL**

**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
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**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	78.71

**Latitude:** 43.553782  
**Longitude:** -79.587139

**Well ID:** **7296574**

**LOCATION**

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 29 PARK ST. EAST  
**City:** MISSISSAUGA

**Tag:** A189840  
**Audit No:** Z258527  
**Contractor License:** 7241  
**Well Completion Date:** 08/31/2017  
**Received Date:** 10/05/2017

**WELL**

**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** Monitoring  
**Boring Method:** Other Method

**Well Depth (m):** 2.4384  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**

**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1006953272	1.38	inch	PLASTIC	0	0.3 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	GRAVEL	HARD	PACKED	GREY	0	1 ft
2	TILL	HARD	DENSE	BROWN	1	6 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	78.34

**Latitude:** 43.553771  
**Longitude:** -79.586247

**Well ID:** **7296575**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 29 PARK ST. EAST  
**City:** MISSISSAUGA

**Tag:** A189871  
**Audit No:** Z258526  
**Contractor License:** 7241  
**Well Completion Date:** 08/30/2017  
**Received Date:** 10/05/2017

**WELL**  
**Well Status:** Monitoring and Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** Monitoring  
**Boring Method:** Other Method

**Well Depth (m):** 7.3152  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006953367	1.38	inch	PLASTIC	0	19 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	GRAVEL	MEDIUM SAND	PACKED	GREY	0	1 ft
2	TILL	HARD	DENSE	BROWN	1	7 ft
3	TILL	HARD	DENSE	GREY	7	13 ft
4	SHALE	n/a	WEATHERED	GREY	13	18 ft
5	SHALE	n/a	FRACTURED	GREY	18	24 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.39

**Latitude:** 43.55593  
**Longitude:** -79.581703

**Well ID:** **7298078**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 1 HURONTARIO STREET  
**City:** Mississauga

**Tag:** A232874  
**Audit No:** Z255419  
**Contractor License:** 6607  
**Well Completion Date:** 08/11/2017  
**Received Date:** 10/31/2017

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 5.2  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006955357	5.1	cm	PLASTIC	0	2.2 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	SILT	SAND	BROWN	0	4.5 m
2	SHALE	ROCK	WEATHERED	GREY	4.5	5.2 m

End of Record

n/a	Easting:	<null>
	Northing:	<null>
	Elev (masl):	79.57

Latitude: 43.555912  
Longitude: -79.580973

Well ID: **7298174**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 150 LAKESHORE ROAD EAST WELL LOCATED ON ROAD  
**City:** Mississauga

**Tag:** A232595  
**Audit No:** Z255553  
**Contractor License:** 6607  
**Well Completion Date:** 09/20/2017  
**Received Date:** 10/31/2017

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 4.1  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1006961710	5.1	cm	PLASTIC	0.1	1.3 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	FILL	BROWN	0	1.2 m
2	SILT	CLAY	DENSE	BROWN	1.2	3 m
3	SHALE	LIMESTONE	LAYERED	GREY	3	4.1 m

End of Record

n/a	Easting:	<null>
	Northing:	<null>
	Elev (masl):	79.43

Latitude: 43.555796  
Longitude: -79.581087

Well ID: **7298175**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 150 LAKESHORE ROAD EAST WELL LOCATED ON ROAD  
**City:** Mississauga

**Tag:** A232865  
**Audit No:** Z255554  
**Contractor License:** 6607  
**Well Completion Date:** 09/20/2017  
**Received Date:** 10/31/2017

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 4.5  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1006961721	5.1	cm	PLASTIC	0.1	1.5 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SILT	CLAY	SAND	BROWN	0	3.6 m
2	GRAVEL	WOOD FRAGMENTS	LAYERED	GREY	3.6	4.5 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	79.66

**Latitude:** 43.556209  
**Longitude:** -79.580991

**Well ID:** **7301773**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 152 LAKESHORE RD E  
**City:** n/a

**Tag:** A227118  
**Audit No:** Z234270  
**Contractor License:** 7464  
**Well Completion Date:** 10/12/2017  
**Received Date:** 12/19/2017

**WELL**  
**Well Status:** Test Hole  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Rotary (Convent.)

**Well Depth (m):** 4.8768  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1007087957	2	inch	PLASTIC	0	10 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	n/a	DRY	BROWN	0	6 ft
2	SILT	TILL	n/a	BROWN	6	12 ft
3	SHALE	TILL	DRY	BROWN	12	16 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.550025  
**Longitude:** -79.586942

**Well ID:** **7304725**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** SOUTH OF LAKESHORE BLVD WEST  
**City:** PORT CREDIT

**Tag:** A232556  
**Audit No:** Z248457  
**Contractor License:** 6607  
**Well Completion Date:** 10/06/2017  
**Received Date:** 01/30/2018

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 4.5  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**

**PUMP**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007171505	5.1	cm	PLASTIC	0	1.5 m

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	DENSE	BROWN	0	1 m
2	SAND	SILT	GRAVEL	BROWN	1	3 m
3	SILT	CLAY	SAND	GREY	3	4.5 m

**End of Record**

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.55735  
**Longitude:** -79.585074

**Well ID:** **7306887**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 72 QUEEN STREET  
**City:** PORT CREDIT

**Tag:** A241274  
**Audit No:** Z255689  
**Contractor License:** 6607  
**Well Completion Date:** 12/15/2017  
**Received Date:** 03/08/2018

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 15.2  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft):**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007194434	10.2	cm	PLASTIC	0	9.1 m

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	n/a	BROWN	0	3 m
2	SILT	SAND	GRAVEL	GREY	3	8.8 m
3	SHALE	LIMESTONE	n/a	GREY	8.8	15.2 m

**End of Record**

<b>n/a</b>	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.556489  
**Longitude:** -79.586852

**Well ID:** **7307873**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** GO STATION PARKING LOT  
**City:** PORT CREDIT

**Tag:** A241364  
**Audit No:** Z266884  
**Contractor License:** 6607  
**Well Completion Date:** 01/10/2018  
**Received Date:** 03/15/2018

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 1.61544  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
Test Method:  
Pump Set (m):  
SWL (ft)  
Final Level:  
Pump Rate:  
Recom. Rate:

Pipe ID:  
Pump Test ID  
Flowing:  
Pump Duration (hr):  
Pump Duration (m):

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007230196	5.1	inch	PLASTIC	0	1.5 ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	SOFT	BROWN	0	1.5 ft
2	CLAY	SAND	SOFT	GREY	1.5	4.5 ft
3	SILT	GRAVEL	HARD	GREY	4.5	5.3 ft

End of Record

<b>n/a</b>	Eastings:	<null>
	Northings:	<null>
	Elev (masl):	

Latitude: 43.557168  
Longitude: -79.585648

Well ID: **7307874**

**LOCATION**  
Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: GO STATION PARKING LOT  
City: PORT CREDIT

Tag: A241358  
Audit No: Z255690  
Contractor License: 6607  
Well Completion Date: 01/12/2018  
Received Date: 03/15/2018

**WELL**  
Well Status: Observation Wells  
Prim. Use: n/a  
Sec. Use: n/a  
Boring Method: Boring

Well Depth (m): 5.3  
Depth to Bedrock (m): n/a  
Depth to Water: m  
Water Kind:

**PUMP TEST**  
Test Method:  
Pump Set (m):  
SWL (ft)  
Final Level:  
Pump Rate:  
Recom. Rate:

Pipe ID:  
Pump Test ID  
Flowing:  
Pump Duration (hr):  
Pump Duration (m):

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007230208	5.1	cm	PLASTIC	0	1.5 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	SOFT	BROWN	0	1.5 m
2	CLAY	SAND	SOFT	GREY	1.5	4.5 m
3	SILT	GRAVEL	HARD	GREY	4.5	5.3 m

End of Record

<b>n/a</b>	Eastings:	<null>
	Northings:	<null>
	Elev (masl):	

Latitude: 43.556492  
Longitude: -79.5871

Well ID: **7310439**

**LOCATION**  
Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: PORT CREDIT GO STATION  
City: PORT CREDIT

Tag: A232662  
Audit No: Z266994  
Contractor License: 6607  
Well Completion Date: 02/03/2018  
Received Date: 04/17/2018

**WELL**  
Well Status: Observation Wells  
Prim. Use:

Well Depth (m): 12.2  
Depth to Bedrock (m): n/a

**WE** Sec. Use: n/a  
 Boring Method: Boring

Depth to Water: m  
 Water Kind:

**PUMP TEST** Test Method:  
 Pump Set (m):  
 SWL (ft)  
 Final Level:  
 Pump Rate:  
 Recom. Rate:

Pipe ID:  
 Pump Test ID  
 Flowing:  
 Pump Duration (hr):  
 Pump Duration (m):

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007268331	5.1	cm	PLASTIC	0	9.2 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	FILL	BROWN	0	0.7 m
2	SAND	SILT	SOFT	BROWN	0.7	3.2 m
3	SILT	SHALE	HARD	BROWN	3.2	7.6 m
4	SHALE	LIMESTONE	ROCK	RED	7.6	12.2 m

End of Record

<b>n/a</b>	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.553257  
 Longitude: -79.581815

Well ID: **7315579**

**LOCATION** Lot: n/a  
 Con: n/a  
 Municipality: PEEL  
 Township: MISSISSAUGA CITY (PORT CREDIT)  
 Street:  
 City: n/a

Tag: A241874  
 Audit No: C37776  
 Contractor License: 6988  
 Well Completion Date: 03/23/2018  
 Received Date: 07/30/2018

**WELL** Well Status: <null>  
 Prim. Use: n/a  
 Sec. Use: n/a  
 Boring Method:

Well Depth (m): 0  
 Depth to Bedrock (m): n/a  
 Depth to Water:  
 Water Kind:

**PUMP TEST** Test Method:  
 Pump Set (m):  
 SWL (ft)  
 Final Level:  
 Pump Rate:  
 Recom. Rate:

Pipe ID:  
 Pump Test ID  
 Flowing:  
 Pump Duration (hr):  
 Pump Duration (m):

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
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**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>n/a</b>	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.556537  
 Longitude: -79.587087

Well ID: **7321737**

**LOCATION** Lot: n/a  
 Con: n/a  
 Municipality: PEEL  
 Township: MISSISSAUGA CITY (PORT CREDIT)  
 Street: PORT CREDIT GO STATION

Tag: A232817  
 Audit No: Z266906  
 Contractor License: 6607  
 Well Completion Date: 01/19/2018  
 Received Date:

**L** City: PORT CREDIT

**WELL** Well Status: Observation Wells  
 Prim. Use: n/a  
 Sec. Use: n/a  
 Boring Method: Boring

11/07/2018

Well Depth (m): 15.2  
 Depth to Bedrock (m): n/a  
 Depth to Water: m  
 Water Kind:

**PUMP TEST** Test Method:  
 Pump Set (m):  
 SWL (ft)  
 Final Level:  
 Pump Rate:  
 Recom. Rate:

Pipe ID:  
 Pump Test ID  
 Flowing:  
 Pump Duration (hr):  
 Pump Duration (m):

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1007599596	5.1	cm	PLASTIC	0	12.1 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	SOFT	BROWN	0	1.5 m
2	CLAY	SILT	SOFT	GREY	1.5	6 m
3	SILT	GRAVEL	HARD	GREY	6	9.1 m
4	LIMESTONE	ROCK	HARD	GREY	9.1	15.2 m

End of Record

<b>n/a</b>	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.556807  
 Longitude: -79.585644

Well ID: **7321758**

**LOCATION** Lot: n/a  
 Con: n/a  
 Municipality: PEEL  
 Township: MISSISSAUGA CITY (PORT CREDIT)  
 Street: PORT CREDIT GO STATION  
 City: ETOBICOKE

Tag: A232612  
 Audit No: Z266972  
 Contractor License: 6607  
 Well Completion Date: 01/27/2018  
 Received Date: 11/07/2018

**WELL** Well Status: Observation Wells  
 Prim. Use: n/a  
 Sec. Use: n/a  
 Boring Method: Boring

Well Depth (m): 12.192  
 Depth to Bedrock (m): n/a  
 Depth to Water: ft  
 Water Kind:

**PUMP TEST** Test Method:  
 Pump Set (m):  
 SWL (ft)  
 Final Level:  
 Pump Rate:  
 Recom. Rate:

Pipe ID:  
 Pump Test ID  
 Flowing:  
 Pump Duration (hr):  
 Pump Duration (m):

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1007600794	5.1	inch	PLASTIC	0	30 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	GRAVEL	SAND	FILL	BROWN	0	5 ft
2	CLAY	GRAVEL	TILL	GREY	5	30 ft
3	SHALE	n/a	ROCK	GREY	30	40 ft

End of Record

<b>n/a</b>	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.556971  
 Longitude: -79.585046

Well ID: **7321771**

**LOCATION**  
**Lot:**  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** HURONTARIO/ GO TRANSIT TRACKS  
**City:** ETOBICOKE

**Tag:** A232639  
**Audit No:** Z266878  
**Contractor License:** 6607  
**Well Completion Date:** 07/21/2018  
**Received Date:** 11/07/2018

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 7.62  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007602921	5.1	inch	PLASTIC	0	25 ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	GRAVEL	SAND	n/a	BROWN	0	5 ft
2	SAND	n/a	n/a	BROWN	5	15 ft
3	SAND	SILT	n/a	GREY	15	25 ft

End of Record

n/a	<b>Eastings:</b>	<null>
	<b>Northings:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.557001  
**Longitude:** -79.58455

**Well ID:** **7321811**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** GO STATION PARKING LOT (SOUTH SIDE)  
**City:** PORT CREDIT

**Tag:** A241299  
**Audit No:** Z266901  
**Contractor License:** 6607  
**Well Completion Date:** 01/14/2018  
**Received Date:** 11/07/2018

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 4.63296  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007605484	5.1	inch	PLASTIC	0	12.1 ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	SOFT	BROWN	0	1.5 ft
2	CLAY	SILT	SAND	GREY	1.5	6 ft
3	SILT	GRAVEL	TILL	GREY	6	7.6 ft
4	LIMESTONE	n/a	n/a	GREY	7.6	15.2 ft

End of Record

n/a	Eastings:	<null>
	Northings:	<null>
	Elev (masl):	

Latitude: 43.557002  
Longitude: -79.584674

Well ID: **7321812**

LOCATION

Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: PORT CREDIT GO STATION  
City: PORT CREDIT

Tag: A241249  
Audit No: Z266902  
Contractor License: 6607  
Well Completion Date: 01/15/2018  
Received Date: 11/07/2018

WELL

Well Status: <null>  
Prim. Use: n/a  
Sec. Use: n/a  
Boring Method: Boring

Well Depth (m): 15.2  
Depth to Bedrock (m): n/a  
Depth to Water: m  
Water Kind:

PUMP TEST

Test Method:  
Pump Set (m):  
SWL (ft)  
Final Level:  
Pump Rate:  
Recom. Rate:

Pipe ID:  
Pump Test ID  
Flowing:  
Pump Duration (hr):  
Pump Duration (m):

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007605501	5.1	cm	PLASTIC	0	12.1 m
2	1007605502	n/a	cm	<null>	n/a	n/a m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	SOFT	BROWN	0	1.5 m
2	CLAY	SILT	SOFT	GREY	1.5	6 m
3	SILT	GRAVEL	HARD	GREY	6	9.1 m
4	LIMESTONE	ROCK	HARD	GREY	9.1	15.2 m

End of Record

n/a	Eastings:	<null>
	Northings:	<null>
	Elev (masl):	

Latitude: 43.555964  
Longitude: -79.58658

Well ID: **7321813**

LOCATION

Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: PORT CREDIT GO STATION  
City: PORT CREDIT

Tag: A232825  
Audit No: Z266905  
Contractor License: 6607  
Well Completion Date: 01/18/2018  
Received Date: 11/07/2018

WELL

Well Status: Observation Wells  
Prim. Use: n/a  
Sec. Use: n/a  
Boring Method: Boring

Well Depth (m): 15.2  
Depth to Bedrock (m): n/a  
Depth to Water: m  
Water Kind:

PUMP TEST

Test Method:  
Pump Set (m):  
SWL (ft)  
Final Level:  
Pump Rate:  
Recom. Rate:

Pipe ID:  
Pump Test ID  
Flowing:  
Pump Duration (hr):  
Pump Duration (m):

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007605516	5.1	cm	PLASTIC	0	12.1 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	SOFT	BROWN	0	1.5 m
2	CLAY	SILT	SOFT	GREY	1.5	6 m

3	SILT	GRAVEL	HARD	GREY	6	9.1 m
4	LIMESTONE	ROCK	HARD	GREY	9.1	15.2 m

End of Record

n/a	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.555275  
Longitude: -79.587698

Well ID: **7321814**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** PORT CREDIT GO STATION  
**City:** PORT CREDIT

**Tag:** A232747  
**Audit No:** Z266907  
**Contractor License:** 6607  
**Well Completion Date:** 01/19/2018  
**Received Date:** 11/07/2018

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 4.5  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007605528	5.1	cm	PLASTIC	0	1.5 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	GRAVEL	SOFT	BROWN	0	1.5 m
2	CLAY	SILT	SOFT	GREY	1.5	3 m
3	SAND	SILT	SOFT	BROWN	3	4.5 m

End of Record

n/a	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.550072  
Longitude: -79.587077

Well ID: **7323197**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** FRONT STREET SOUTH  
**City:** MISSISSAUGA

**Tag:** A250489  
**Audit No:** Z290809  
**Contractor License:** 7472  
**Well Completion Date:** 09/07/2018  
**Received Date:** 11/22/2018

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 10.668  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007640701	2	inch	PLASTIC	0	25 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	SILT	LOOSE	BROWN	0	5 ft
2	FILL	SAND	PACKED	BROWN	5	20 ft
3	SHALE	n/a	HARD	GREY	20	35 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.550355  
**Longitude:** -79.587367

**Well ID:** **7323206**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** LAKESHORE RD W  
**City:** MISSISSAUGA

**Tag:** A258784  
**Audit No:** Z277385  
**Contractor License:** 7472  
**Well Completion Date:** 05/25/2018  
**Received Date:** 11/22/2018

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Rotary (Convent.)

**Well Depth (m):** 7.62  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

#### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007641244	2	inch	PLASTIC	0	15 ft

#### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	LOOSE	BROWN	0	1 ft
2	TILL	n/a	LOOSE	BROWN	1	5 ft
3	SILT	SAND	PACKED	BROWN	5	25 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.550385  
**Longitude:** -79.587626

**Well ID:** **7323207**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** FRONT STREET NORTH  
**City:** MISSISSAUGA

**Tag:** A258783  
**Audit No:** Z277384  
**Contractor License:** 7472  
**Well Completion Date:** 05/25/2018  
**Received Date:** 11/22/2018

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 6.096  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

#### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007641256	2	inch	PLASTIC	0	10 ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	LOOSE	BROWN	0	1 ft
2	FILL	n/a	LOOSE	BROWN	1	5 ft
3	SILT	SAND	PACKED	BROWN	5	20 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.550346  
**Longitude:** -79.587367

**Well ID:** **7323208**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** LAKESHORE RD W & FRONT STREET NORTH  
**City:** MISSISSAUGA

**Tag:** A258781  
**Audit No:** Z277383  
**Contractor License:** 7472  
**Well Completion Date:** 05/25/2018  
**Received Date:** 11/22/2018

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 6.096  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1007641268	2	inch	PLASTIC	0	10 ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	LOOSE	BROWN	0	1 ft
2	FILL	n/a	LOOSE	BROWN	1	5 ft
3	SILT	SAND	PACKED	BROWN	5	20 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.556509  
**Longitude:** -79.585552

**Well ID:** **7330113**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:**  
**City:** n/a

**Tag:** A259438  
**Audit No:** C44114  
**Contractor License:** 7215  
**Well Completion Date:** 02/19/2019  
**Received Date:** 03/15/2019

**WELL**  
**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
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### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.553491  
**Longitude:** -79.586898

**Well ID:** **7330661**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 21 Park Street East  
**City:** Port Credit

**Tag:** A213502  
**Audit No:** 86LCVVW2  
**Contractor License:** 7147  
**Well Completion Date:** 01/18/2019  
**Received Date:** 03/15/2019

**WELL**  
**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 1007353489  
**Pump Test ID:** 1007353490  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007353808	5	cm	PLASTIC	0	3.1 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	n/a	n/a	n/a	n/a	0	n/a m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.553519  
**Longitude:** -79.586971

**Well ID:** **7330662**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 21 Park Street East  
**City:** Port Credit

**Tag:** A213503  
**Audit No:** YFL7EAMT  
**Contractor License:** 7147  
**Well Completion Date:** 01/18/2019  
**Received Date:** 03/15/2019

**WELL**  
**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** m  
**Water Kind:** Untested

**TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):**

**Pipe ID:** 1007353491  
**Pump Test ID:** 1007353492  
**Flowing:** n/a

**PUMP**  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007353809	5	cm	PLASTIC	0	11.9 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	n/a	n/a	n/a	n/a	0	n/a m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.55354  
**Longitude:** -79.587206

**Well ID:** **7330663**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 21 Park Street East  
**City:** Port Credit

**Tag:** A223407  
**Audit No:** ODT55IAQ  
**Contractor License:** 7147  
**Well Completion Date:** 01/18/2019  
**Received Date:** 04/09/2019

**WELL**  
**Well Status:** Abandoned-Other  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 1007353493  
**Pump Test ID:** 1007353494  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007353810	5	cm	PLASTIC	0	3.6 m

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	n/a	n/a	n/a	n/a	0	n/a m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.556052  
**Longitude:** -79.584956

**Well ID:** **7341823**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 78 PARK ST. E  
**City:** MISSISSAUGA

**Tag:** A271784  
**Audit No:** 8MUQDAWX  
**Contractor License:** 6607  
**Well Completion Date:** 08/15/2019  
**Received Date:** 10/01/2019

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Rotary (Convent.)

**Well Depth (m):** 27.432  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft)** n/a  
**Final Level:** n/a ft  
**Pump Rate:** n/a GPM  
**Recom. Rate:** n/a GPM

**Pipe ID:** 1007643386  
**Pump Test ID** 1007643387  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007643994	2	inch	PLASTIC	0	85 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TILL	n/a	n/a	BROWN	0	15 ft
2	TILL	n/a	n/a	GREY	15	27 ft
3	SHALE	LIMESTONE	n/a	GREY	27	90 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.556426  
**Longitude:** -79.585381

**Well ID:** **7341844**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 26 ANN ST.  
**City:** MISSISSAUGA

**Tag:** A271735  
**Audit No:** GNLFU7D8  
**Contractor License:** 6607  
**Well Completion Date:** 08/19/2019  
**Received Date:** 10/01/2019

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Boring

**Well Depth (m):** 36.576  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft)** n/a  
**Final Level:** n/a ft  
**Pump Rate:** n/a GPM  
**Recom. Rate:** n/a GPM

**Pipe ID:** 1007643428  
**Pump Test ID** 1007643429  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007644013	2	inch	PLASTIC	0	115 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TILL	n/a	n/a	BROWN	0	15 ft
2	TILL	n/a	n/a	GREY	15	27 ft
3	SHALE	LIMESTONE	n/a	GREY	27	120 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.556028  
**Longitude:** -79.585229

**Well ID:** **7341861**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 22 ANN ST.  
**City:** MISSISSAUGA

**Tag:** A264691  
**Audit No:** LBX2P5WQ  
**Contractor License:** 6607  
**Well Completion Date:** 08/22/2019  
**Received Date:** 10/01/2019

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:**

**Well Depth (m):** 8.2296  
**Depth to Bedrock (m):** n/a

**WE** Sec. Use: n/a  
Boring Method: Boring

Depth to Water:  
Water Kind:

**PUMP TEST** Test Method: n/a  
Pump Set (m): n/a  
SWL (ft): n/a  
Final Level: n/a ft  
Pump Rate: n/a GPM  
Recom. Rate: n/a GPM

Pipe ID: 1007643462  
Pump Test ID: 1007643463  
Flowing: n/a  
Pump Duration (hr): n/a  
Pump Duration (m): n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007644028	2	inch	PLASTIC	0	17 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TILL	n/a	n/a	BROWN	0	15 ft
2	TILL	n/a	n/a	GREY	15	27 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.556426  
**Longitude:** -79.585381

**Well ID:** **7341883**

**LOCATION** Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: 26 ANN ST.  
City: MISSISSAUGA

Tag: A271753  
Audit No: TOJ5WP3R  
Contractor License: 6607  
Well Completion Date: 08/21/2019  
Received Date: 10/01/2019

**WELL** Well Status: Observation Wells  
Prim. Use: n/a  
Sec. Use: n/a  
Boring Method: Rotary (Reverse)

Well Depth (m): 47.5488  
Depth to Bedrock (m): n/a  
Depth to Water:  
Water Kind:

**PUMP TEST** Test Method: n/a  
Pump Set (m): n/a  
SWL (ft): n/a  
Final Level: n/a ft  
Pump Rate: n/a GPM  
Recom. Rate: n/a GPM

Pipe ID: 1007643506  
Pump Test ID: 1007643507  
Flowing: n/a  
Pump Duration (hr): n/a  
Pump Duration (m): n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007644049	2	inch	PLASTIC	0	151 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TILL	n/a	n/a	BROWN	0	15 ft
2	TILL	n/a	n/a	GREY	15	27 ft
3	SHALE	LIMESTONE	n/a	GREY	27	156 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.555917  
**Longitude:** -79.585021

**Well ID:** **7341887**

**LOCATION** Lot: n/a  
Con: n/a  
Municipality: PEEL  
Township: MISSISSAUGA CITY (PORT CREDIT)  
Street: 78 PARK ST. E  
City: MISSISSAUGA

Tag: A264678  
Audit No: WBYVTLLD  
Contractor License: 6607  
Well Completion Date: 08/14/2019  
Received Date: 10/01/2019

WELL  
PUMP TEST

**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Rotary (Convent.)  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a ft  
**Pump Rate:** n/a GPM  
**Recom. Rate:** n/a GPM

**Well Depth (m):** 26.5176  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**  
**Pipe ID:** 1007643514  
**Pump Test ID:** 1007643515  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007644053	2	inch	PLASTIC	0	82 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TILL	n/a	n/a	BROWN	0	15 ft
2	TILL	n/a	n/a	GREY	15	27 ft
3	SHALE	LIMESTONE	n/a	GREY	27	87 ft

End of Record

n/a	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.553513  
**Longitude:** -79.584248

Well ID: **7344847**

LOCATION  
WELL  
PUMP TEST

**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 94 Lakeshore Road East  
**City:** Mississauga

**Tag:** A252201  
**Audit No:** Z319207  
**Contractor License:** 7241  
**Well Completion Date:** 08/20/2019  
**Received Date:** 10/09/2019

**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 3.9624  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a ft  
**Pump Rate:** n/a GPM  
**Recom. Rate:** n/a GPM

**Pipe ID:** 1007871839  
**Pump Test ID:** 1007877227  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007876129	1.25	Inch	PLASTIC	3	3 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SILT	SAND	n/a	BROWN	0	8 ft
2	SILT	CLAY	WATER-BEARING	GREY	8	13 ft

End of Record

n/a	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.553485  
**Longitude:** -79.584236

Well ID: **7344848**

LOCATION

**Lot:** n/a  
**Con:** n/a  
**Municipality:**

**Tag:** A277142  
**Audit No:** Z313564  
**Contractor License:** 7241

**LOCA**  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 94 Lakeshore Rd East  
**City:** Mississauga

**Well Completion Date:** 08/20/2019  
**Received Date:** 10/09/2019

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 3.9624  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a ft  
**Pump Rate:** n/a GPM  
**Recom. Rate:** n/a GPM

**Pipe ID:** 1007871840  
**Pump Test ID:** 1007877228  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007876130	1.25	Inch	PLASTIC	3	3 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SILT	SAND	n/a	BROWN	0	8 ft
2	SILT	CLAY	WATER-BEARING	GREY	8	13 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.553347  
**Longitude:** -79.583979

**Well ID:** **7344849**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 94 Lakeshore Rd East  
**City:** Mississauga

**Tag:** A277143  
**Audit No:** Z313468  
**Contractor License:** 7241  
**Well Completion Date:** 08/20/2019  
**Received Date:** 10/09/2019

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** n/a

**Well Depth (m):** 3.9624  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a ft  
**Pump Rate:** n/a GPM  
**Recom. Rate:** n/a GPM

**Pipe ID:** 1007871841  
**Pump Test ID:** 1007877229  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1007876131	1.25	Inch	PLASTIC	3	3 ft

**FORMATION DETAILS**

*Layer Value of "0" denotes a Null value and cannot be stratified and ordered.*

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SILT	SAND	n/a	BROWN	0	8 ft
2	SILT	CLAY	WATER-BEARING	GREY	8	13 ft

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.55155  
**Longitude:** -79.58573

**Well ID:** **7349810**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:**  
**City:** n/a

**Tag:** A277463  
**Audit No:** C45697  
**Contractor License:** 7230  
**Well Completion Date:** 10/25/2019  
**Received Date:** 12/17/2019

**WELL**  
**Well Status:** <null>  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:**

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:**  
**Pump Set (m):**  
**SWL (ft)**  
**Final Level:**  
**Pump Rate:**  
**Recom. Rate:**

**Pipe ID:**  
**Pump Test ID**  
**Flowing:**  
**Pump Duration (hr):**  
**Pump Duration (m):**

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
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**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
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End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.557193  
**Longitude:** -79.585499

**Well ID:** **7355170**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 30 queen st e.  
**City:** Mississauga

**Tag:** A235313  
**Audit No:** Z275303  
**Contractor License:** 7383  
**Well Completion Date:** 10/20/2018  
**Received Date:** 11/28/2018

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** Monitoring  
**Boring Method:** Rotary (Convent.)

**Well Depth (m):** 0  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft:  
**Water Kind:** Untested

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft)** n/a  
**Final Level:** n/a ft  
**Pump Rate:** n/a GPM  
**Recom. Rate:** n/a GPM

**Pipe ID:** 1008267825  
**Pump Test ID** 1008269864  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

**CASING DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1008269428	2	Inch	PLASTIC	0	25 ft

**FORMATION DETAILS**

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	OTHER	n/a	HARD	BLACK	0	n/a <null>
2	CLAY	SILT	DENSE	GREY	n/a	n/a <null>
3	TILL	SHALE	DENSE	GREY	n/a	n/a <null>

End of Record

n/a	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.556577  
Longitude: -79.585216

Well ID: **7355171**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** port credit go station  
**City:** Mississauga

**Tag:** A239126  
**Audit No:** Z275350  
**Contractor License:** 7383  
**Well Completion Date:** 01/13/2018  
**Received Date:** 11/28/2018

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** Monitoring  
**Boring Method:** Boring

**Well Depth (m):** 9.144  
**Depth to Bedrock (m):** n/a  
**Depth to Water:** ft  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a ft  
**Pump Rate:** n/a GPM  
**Recom. Rate:** n/a GPM

**Pipe ID:** 1008267822  
**Pump Test ID:** 1008269861  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1008269425	2	Inch	PLASTIC	0	20 ft

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	n/a	n/a	n/a	0	n/a <null>
2	SILT	n/a	n/a	n/a	n/a	n/a <null>
3	TILL	n/a	n/a	n/a	n/a	n/a <null>
4	SHALE	n/a	n/a	n/a	n/a	30 ft

End of Record

n/a	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.557023  
Longitude: -79.584847

Well ID: **7363630**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 30 Queen St East  
**City:** Mississauga

**Tag:** A283617  
**Audit No:** 2QGO89A5  
**Contractor License:** 7609  
**Well Completion Date:** 07/24/2020  
**Received Date:** 08/07/2020

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Auger

**Well Depth (m):** 1.52  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 1008371722  
**Pump Test ID:** 1008371723  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1008371816	5	cm	PLASTIC	0	1.52 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	SAND	LOOSE	BROWN	0	1.52 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.556659  
**Longitude:** -79.585301

**Well ID:** **7363631**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 30 Queen St East  
**City:** Mississauga

**Tag:** A283618  
**Audit No:** 4XE7ZMP4  
**Contractor License:** 7609  
**Well Completion Date:** 07/24/2020  
**Received Date:** 08/07/2020

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Auger

**Well Depth (m):** 4.57  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 1008371724  
**Pump Test ID:** 1008371725  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1008371817	5	cm	PLASTIC	0	1.52 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	SAND	LOOSE	BROWN	0	1.52 m
2	SAND	n/a	n/a	BROWN	1.52	3.05 m
3	SAND	SILT	GRAVEL	BROWN	3.05	4.57 m

End of Record

<b>n/a</b>	<b>Easting:</b>	<null>
	<b>Northing:</b>	<null>
	<b>Elev (masl):</b>	

**Latitude:** 43.556282  
**Longitude:** -79.584691

**Well ID:** **7363632**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 30 Queen St East  
**City:** Mississauga

**Tag:** A283540  
**Audit No:** 5NZ4J5JW  
**Contractor License:** 7609  
**Well Completion Date:** 07/27/2020  
**Received Date:** 08/07/2020

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Auger

**Well Depth (m):** 4.57  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 1008371726  
**Pump Test ID:** 1008371727  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diameter	Diameter Units	Material	Top Depth	Bottom Depth
1	1008371818	5	cm	PLASTIC	0	1.52 m

### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
-------	----------	------------	------------	--------	-----------	--------------

1	FILL	SAND	LOOSE	BROWN	0	1.52	m
2	SAND	n/a	n/a	BROWN	1.52	3.05	m
3	SAND	SILT	GRAVEL	BROWN	3.05	4.57	m

End of Record

n/a	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.556684  
Longitude: -79.584397

Well ID: **7363633**

**LOCATION**  
**Lot:** n/a  
**Con:** n/a  
**Municipality:** PEEL  
**Township:** MISSISSAUGA CITY (PORT CREDIT)  
**Street:** 30 Queen St. East  
**City:** Mississauga

**Tag:** A283539  
**Audit No:** 2DEKHQS6  
**Contractor License:** 7609  
**Well Completion Date:** 07/27/2020  
**Received Date:** 08/07/2020

**WELL**  
**Well Status:** Observation Wells  
**Prim. Use:** n/a  
**Sec. Use:** n/a  
**Boring Method:** Auger

**Well Depth (m):** 5.18  
**Depth to Bedrock (m):** n/a  
**Depth to Water:**  
**Water Kind:**

**PUMP TEST**  
**Test Method:** n/a  
**Pump Set (m):** n/a  
**SWL (ft):** n/a  
**Final Level:** n/a m  
**Pump Rate:** n/a LPM  
**Recom. Rate:** n/a LPM

**Pipe ID:** 1008371728  
**Pump Test ID:** 1008371729  
**Flowing:** n/a  
**Pump Duration (hr):** n/a  
**Pump Duration (m):** n/a

#### CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1008371819	5	cm	PLASTIC	0	2.13 m

#### FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	SAND	LOOSE	BROWN	0	1.52 m
2	SAND	n/a	n/a	BROWN	1.52	3.05 m
3	SAND	SILT	GRAVEL	BROWN	3.05	5.18 m

End of Record

# **Appendix G**

## **Construction Water Taking Estimates**

TABLE G.1

**ESTIMATED WATER TAKINGS AND AREA OF INFLUENCE (STEADY STATE)  
HYDROGEOLOGICAL ASSESSMENT  
42 PORT ST E. 91-93 LAKESHORE RD E., MISSISSAUGA, ONTARIO  
PROPOSED RESIDENTIAL DEVELOPMENT - FRAM + SLOKKER**

**Flow to a Shaft in an Unconfined Aquifer**

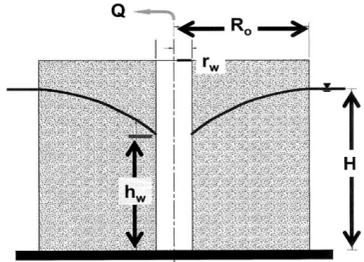
<p><b>Information</b></p> <p>Steady State flow to a shaft within an unconfined aquifer. Use this equation when a/b &lt; 1.5.</p> <p><b>Equation 1.0</b></p> $Q = \frac{\pi K (H^2 - h_w^2)}{\ln R_0 / r_w}$ <p><b>Equation 1.1</b></p> $r_w = \sqrt{\frac{ab}{\pi}}$ <p>Ro is determined by the Siechardt Equation: <math>Ro = 3000(H-h_w)K^{0.5}</math> when K is in m/s</p> 	<p><b>Enter Parameters</b></p> <p>Shaft or Trench Eq'n Check: <b>1.41666667</b> This number <b>must be less than 1.5</b>; if not, then use a Trench equation.</p> <p>Calculating Ro using: <math>R_0 = 1.5(Tt/S)^{0.5}</math></p> <table style="width:100%;"> <tr> <td>T=</td> <td>7.42239072</td> <td>m<sup>2</sup>/day</td> <td>Input transmissivity in m<sup>2</sup>/day</td> </tr> <tr> <td>t=</td> <td>30</td> <td>days</td> <td>Input pumping duration in days</td> </tr> <tr> <td>S=</td> <td>0.3</td> <td></td> <td>Input storage coefficient</td> </tr> <tr> <td>Ro=</td> <td>40.87</td> <td>m</td> <td>Radius of Influence</td> </tr> </table> <p>Alternative equation by Bear (Bear, J., 1979. <b>Hydraulics of Groundwater</b>, McGraw-Hill, New York, 569p) <math>R_0 = 1.5(Tt/S)^{0.5}</math> where T is transmissivity in m<sup>2</sup>/day, t is pumping duration in days. R<sub>0</sub> will be in metres.</p> <p align="right">*Note: The above Ro is for comparison. It is not the Ro used to calculate Q below.</p> <p><b>Enter additional K values (optional)</b></p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"><b>K=</b> 9.43E-04 cm/s</td> <td style="width:50%;"><b>K=</b> 0.814752 m/day</td> </tr> <tr> <td>K2= 1.00E-06 cm/s</td> <td>K2= 0.000864 m/day</td> </tr> <tr> <td>K3= 1.00E-05 cm/s</td> <td>K3= 0.00864 m/day</td> </tr> <tr> <td>K4= 1.00E-04 cm/s</td> <td>K4= 0.0864 m/day</td> </tr> <tr> <td>K5= 1.00E-03 cm/s</td> <td>K5= 0.864 m/day</td> </tr> <tr> <td>K6= 1.00E-02 cm/s</td> <td>K6= 8.64 m/day</td> </tr> <tr> <td>K7= 1.00E-01 cm/s</td> <td>K7= 86.4 m/day</td> </tr> <tr> <td>K8= 1.00E+00 cm/s</td> <td>K8= 864 m/day</td> </tr> <tr> <td>K9= 1.00E+01 cm/s</td> <td>K9= 8640 m/day</td> </tr> <tr> <td>K10= 1.00E+02 cm/s</td> <td>K10= 86400 m/day</td> </tr> </table>	T=	7.42239072	m <sup>2</sup> /day	Input transmissivity in m <sup>2</sup> /day	t=	30	days	Input pumping duration in days	S=	0.3		Input storage coefficient	Ro=	40.87	m	Radius of Influence	<b>K=</b> 9.43E-04 cm/s	<b>K=</b> 0.814752 m/day	K2= 1.00E-06 cm/s	K2= 0.000864 m/day	K3= 1.00E-05 cm/s	K3= 0.00864 m/day	K4= 1.00E-04 cm/s	K4= 0.0864 m/day	K5= 1.00E-03 cm/s	K5= 0.864 m/day	K6= 1.00E-02 cm/s	K6= 8.64 m/day	K7= 1.00E-01 cm/s	K7= 86.4 m/day	K8= 1.00E+00 cm/s	K8= 864 m/day	K9= 1.00E+01 cm/s	K9= 8640 m/day	K10= 1.00E+02 cm/s	K10= 86400 m/day																																																																								
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K10= 1.00E+02 cm/s	K10= 86400 m/day																																																																																																												
<p><b>Calculated flow rate using Equation 1.0</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Results for Ro (radius of influence)</th> <th colspan="2">Flow Results in m<sup>3</sup>/day</th> <th colspan="2">Flow Results in L/min</th> <th colspan="2">Flow Results in gal/min</th> </tr> <tr> <th>Ro=</th> <th></th> <th></th> <th>Q=</th> <th></th> <th>Q=</th> <th></th> <th>Q=</th> <th></th> </tr> </thead> <tbody> <tr> <td>Ro=</td> <td>124.22</td> <td>m</td> <td>Q=</td> <td>188.675 m<sup>3</sup>/day</td> <td>Q=</td> <td>131.016 L/min</td> <td>Q=</td> <td>28.819 gal/min</td> </tr> <tr> <td>Ro2=</td> <td>43.02</td> <td>m</td> <td>Q2=</td> <td>3.43 m<sup>3</sup>/day</td> <td>Q2=</td> <td>2.38 L/min</td> <td>Q2=</td> <td>0.52 gal/min</td> </tr> <tr> <td>Ro3=</td> <td>48.93</td> <td>m</td> <td>Q3=</td> <td>11.59 m<sup>3</sup>/day</td> <td>Q3=</td> <td>8.05 L/min</td> <td>Q3=</td> <td>1.77 gal/min</td> </tr> <tr> <td>Ro4=</td> <td>67.62</td> <td>m</td> <td>Q4=</td> <td>43.51 m<sup>3</sup>/day</td> <td>Q4=</td> <td>30.21 L/min</td> <td>Q4=</td> <td>6.65 gal/min</td> </tr> <tr> <td>Ro5=</td> <td>86.43</td> <td>m</td> <td>Q5=</td> <td>295.18 m<sup>3</sup>/day</td> <td>Q5=</td> <td>204.98 L/min</td> <td>Q5=</td> <td>45.09 gal/min</td> </tr> <tr> <td>Ro6=</td> <td>313.59</td> <td>m</td> <td>Q6=</td> <td>1097.82 m<sup>3</sup>/day</td> <td>Q6=</td> <td>762.33 L/min</td> <td>Q6=</td> <td>167.69 gal/min</td> </tr> <tr> <td>Ro7=</td> <td>904.54</td> <td>m</td> <td>Q7=</td> <td>7240.34 m<sup>3</sup>/day</td> <td>Q7=</td> <td>5027.69 L/min</td> <td>Q7=</td> <td>1105.94 gal/min</td> </tr> <tr> <td>Ro8=</td> <td>2773.29</td> <td>m</td> <td>Q8=</td> <td>53234.10 m<sup>3</sup>/day</td> <td>Q8=</td> <td>36965.76 L/min</td> <td>Q8=</td> <td>8131.32 gal/min</td> </tr> <tr> <td>Ro9=</td> <td>8682.80</td> <td>m</td> <td>Q9=</td> <td>419262.75 m<sup>3</sup>/day</td> <td>Q9=</td> <td>291136.06 L/min</td> <td>Q9=</td> <td>64040.91 gal/min</td> </tr> <tr> <td>R10=</td> <td>27370.29</td> <td>m</td> <td>Q10=</td> <td>3454465.10 m<sup>3</sup>/day</td> <td>Q10=</td> <td>2398780.57 L/min</td> <td>Q10=</td> <td>527657.36 gal/min</td> </tr> </tbody> </table>		Results for Ro (radius of influence)			Flow Results in m <sup>3</sup> /day		Flow Results in L/min		Flow Results in gal/min		Ro=			Q=		Q=		Q=		Ro=	124.22	m	Q=	188.675 m <sup>3</sup> /day	Q=	131.016 L/min	Q=	28.819 gal/min	Ro2=	43.02	m	Q2=	3.43 m <sup>3</sup> /day	Q2=	2.38 L/min	Q2=	0.52 gal/min	Ro3=	48.93	m	Q3=	11.59 m <sup>3</sup> /day	Q3=	8.05 L/min	Q3=	1.77 gal/min	Ro4=	67.62	m	Q4=	43.51 m <sup>3</sup> /day	Q4=	30.21 L/min	Q4=	6.65 gal/min	Ro5=	86.43	m	Q5=	295.18 m <sup>3</sup> /day	Q5=	204.98 L/min	Q5=	45.09 gal/min	Ro6=	313.59	m	Q6=	1097.82 m <sup>3</sup> /day	Q6=	762.33 L/min	Q6=	167.69 gal/min	Ro7=	904.54	m	Q7=	7240.34 m <sup>3</sup> /day	Q7=	5027.69 L/min	Q7=	1105.94 gal/min	Ro8=	2773.29	m	Q8=	53234.10 m <sup>3</sup> /day	Q8=	36965.76 L/min	Q8=	8131.32 gal/min	Ro9=	8682.80	m	Q9=	419262.75 m <sup>3</sup> /day	Q9=	291136.06 L/min	Q9=	64040.91 gal/min	R10=	27370.29	m	Q10=	3454465.10 m <sup>3</sup> /day	Q10=	2398780.57 L/min	Q10=	527657.36 gal/min
Results for Ro (radius of influence)			Flow Results in m <sup>3</sup> /day		Flow Results in L/min		Flow Results in gal/min																																																																																																						
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Ro5=	86.43	m	Q5=	295.18 m <sup>3</sup> /day	Q5=	204.98 L/min	Q5=	45.09 gal/min																																																																																																					
Ro6=	313.59	m	Q6=	1097.82 m <sup>3</sup> /day	Q6=	762.33 L/min	Q6=	167.69 gal/min																																																																																																					
Ro7=	904.54	m	Q7=	7240.34 m <sup>3</sup> /day	Q7=	5027.69 L/min	Q7=	1105.94 gal/min																																																																																																					
Ro8=	2773.29	m	Q8=	53234.10 m <sup>3</sup> /day	Q8=	36965.76 L/min	Q8=	8131.32 gal/min																																																																																																					
Ro9=	8682.80	m	Q9=	419262.75 m <sup>3</sup> /day	Q9=	291136.06 L/min	Q9=	64040.91 gal/min																																																																																																					
R10=	27370.29	m	Q10=	3454465.10 m <sup>3</sup> /day	Q10=	2398780.57 L/min	Q10=	527657.36 gal/min																																																																																																					

TABLE G.2

ESTIMATED WATER TAKINGS AND AREA OF INFLUENCE (STEADY STATE)  
 HYDROGEOLOGICAL ASSESSMENT  
 42 PORT ST E. 91-93 LAKESHORE RD E., MISSISSAUGA , ONTARIO  
 PROPOSED RESIDENTIAL DEVELOPMENT - FRAM + SLOKKER

Flow to a Trench for a *Unconfined Aquifer*

<p><b>Information</b></p> <p>Steady State flow to a trench for an unconfined aquifer.                  Use this equation when <math>a/b &gt; 1.5</math>.</p> <p><b>Equation 4.0</b></p> $Q = \frac{\pi K(H^2 - h^2)}{\ln R_0/r_w} + 2 \left[ \frac{xK(H^2 - h^2)}{2L} \right]$ <p><b>Equation 4.1</b></p> $r_w = \frac{a+b}{\pi}$ <p><math>R_0</math> is determined by the Siechardt Equation: <math>R_0 = 3000(H-hw)K^{0.5}</math> when K is in m/s</p>	<p><b>Enter Parameters</b></p> <p>Shaft or Trench Eq'n Check: 5.0 This number <b>must be greater than 1.5</b>; if not, then use a Shaft equation.</p> <table border="0"> <tr> <td>K= 1.80E-03 cm/s</td> <td>Input Hydraulic Conductivity in cm/s</td> </tr> <tr> <td>=&gt; 1.5552 m/day</td> <td>Hydraulic Conductivity converted to m/day</td> </tr> <tr> <td>H= 1.56 m</td> <td>Input height of groundwater pressure</td> </tr> <tr> <td>h= 0 m</td> <td>Input dewatering height</td> </tr> <tr> <td>x= 15 m</td> <td>Input length of trench</td> </tr> <tr> <td>a= 15 m</td> <td>Input length of excavation</td> </tr> <tr> <td>b= 3 m</td> <td>Input width of excavation</td> </tr> <tr> <td>r_w= 5.73 m</td> <td>Input/calculate radius of trench</td> </tr> <tr> <td>π= 3.141592654</td> <td>Pi</td> </tr> </table> <p>*Note: L and Ro are the same distance*                  *Note: Height measurements are relative to base of active groundwater</p> <p>Calculating L and Ro using: <math>R_0 = 1.5(T/t/S)^{0.5}</math></p> <table border="0"> <tr> <td>T= 2.426112 m<sup>2</sup>/day</td> <td>Input transmissivity in m<sup>2</sup>/day</td> </tr> <tr> <td>t= 30 days</td> <td>Input pumping duration in days</td> </tr> <tr> <td>S= 0.3</td> <td>Input storage coefficient</td> </tr> <tr> <td>L=Ro= 23.36 m</td> <td>Line source distance; distance of influence</td> </tr> </table> <p>Alternative equation by Bear (Bear, J., 1979. <b>Hydraulics of Groundwater</b>, McGraw-Hill, New York, 569p) <math>R_0 = 1.5(T/t/S)^{0.5}</math> where T is transmissivity in m<sup>2</sup>/day, t is pumping duration in days. <math>R_0</math> will be in metres.</p> <p>*Note: The above Ro is for comparison. It is not the Ro used to calculate Q below.</p> <p><b>Enter additional K values (optional)</b></p> <table border="0"> <tr> <td>K= 1.80E-03 cm/s</td> <td>K= 1.5552 m/day</td> </tr> <tr> <td>K2= 1.00E-06 cm/s</td> <td>K2= 0.000864 m/day</td> </tr> <tr> <td>K3= 1.00E-05 cm/s</td> <td>K3= 0.00864 m/day</td> </tr> <tr> <td>K4= 1.00E-04 cm/s</td> <td>K4= 0.0864 m/day</td> </tr> <tr> <td>K5= 1.00E-03 cm/s</td> <td>K5= 0.864 m/day</td> </tr> <tr> <td>K6= 1.00E-02 cm/s</td> <td>K6= 8.64 m/day</td> </tr> <tr> <td>K7= 1.00E-01 cm/s</td> <td>K7= 86.4 m/day</td> </tr> <tr> <td>K8= 1.00E+00 cm/s</td> <td>K8= 864 m/day</td> </tr> <tr> <td>K9= 1.00E+01 cm/s</td> <td>K9= 8640 m/day</td> </tr> <tr> <td>K10= 1.00E+02 cm/s</td> <td>K10= 86400 m/day</td> </tr> </table>	K= 1.80E-03 cm/s	Input Hydraulic Conductivity in cm/s	=> 1.5552 m/day	Hydraulic Conductivity converted to m/day	H= 1.56 m	Input height of groundwater pressure	h= 0 m	Input dewatering height	x= 15 m	Input length of trench	a= 15 m	Input length of excavation	b= 3 m	Input width of excavation	r_w= 5.73 m	Input/calculate radius of trench	π= 3.141592654	Pi	T= 2.426112 m <sup>2</sup> /day	Input transmissivity in m <sup>2</sup> /day	t= 30 days	Input pumping duration in days	S= 0.3	Input storage coefficient	L=Ro= 23.36 m	Line source distance; distance of influence	K= 1.80E-03 cm/s	K= 1.5552 m/day	K2= 1.00E-06 cm/s	K2= 0.000864 m/day	K3= 1.00E-05 cm/s	K3= 0.00864 m/day	K4= 1.00E-04 cm/s	K4= 0.0864 m/day	K5= 1.00E-03 cm/s	K5= 0.864 m/day	K6= 1.00E-02 cm/s	K6= 8.64 m/day	K7= 1.00E-01 cm/s	K7= 86.4 m/day	K8= 1.00E+00 cm/s	K8= 864 m/day	K9= 1.00E+01 cm/s	K9= 8640 m/day	K10= 1.00E+02 cm/s	K10= 86400 m/day																																																					
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