Hydrogeological and Geotechnical Investigation

Proposed 3-Storey Mosque – 27 Winona Drive, Whitchurch-Stouffville, Ontario

Darul-Khair Center Stouffville

08 November 2024

→ **The Power of Commitment**

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1. Introduction

GHD Limited (GHD) was retained by Darul-Khair Center Stouffville (the Client) to conduct a hydrogeological and geotechnical investigation in support of the proposed re-development of 27 Winona Drive in Whitchurch-Stouffville, Ontario (to be referred to as "the Site"). GHD conducted this investigation in general accordance with our proposal dated September 18, 2023. The location of the Site is provided on the **Site Location Plan, Figure 1**.

The Site encompasses an area of 0.59 acres (2,411.1 m^2) to be developed with a 3-storey mosque. The re-development will be municipally serviced for water and sewer. The surrounding area is also municipally serviced for water and sewer. The revised concept plan[1] is illustrated on **Figure 2** and includes the following:

- A 3-storey building with a proposed footprint of 2,078.5 m^2 that will occupy most of the Site; and,
- Landscaped areas.

The purpose of the hydrogeological assessment was to define and characterize the subsurface soil and groundwater conditions for the Site including groundwater depth, flow direction and assessment of construction dewatering and groundwater control. The purpose of the geotechnical investigation was to obtain subsurface information regarding the soil and groundwater conditions at the borehole locations and prepare a report summarizing the conditions encountered. This report provides geotechnical engineering recommendations regarding earthwork construction, backfilling, bearing capacity and building foundation design, service installation (bedding and backfill), and pavement structure for access and parking areas.

The scope of work included a desktop review of available geological and groundwater mapping; a review of the Source Protection Information Atlas; a review of the Ministry of the Environment, Conservation and Parks (MECP) well records; the drilling of boreholes to investigate the subsurface conditions; installation of monitoring wells to facilitate water level measurements and single well response testing to assess the hydraulic conductivity of the saturated zones; and, infiltration testing of the vadose zone soils for Low Impact Development (LID) strategies. In addition, a generic water balance evaluation was completed (i.e. pre- and post-development runoff / infiltration conditions) in support of potential mitigative options such as the use of LIDs strategies. GHD notes that the water balance evaluation does not include tasks associated with the required storm water study and / or related design work. As the work at this stage is investigative, this report does not include any applications for Permits to Take Water (PTTW), Environmental Activity and Sector Registry (EASR) permits for construction dewatering, sewer use by-law testing etc. GHD also notes that excess soil management is outside the scope of this report.

This report is organized into the following sections:

Section 1.0 – Introduction: Outlines the objectives and scope of work and presents the report organization.

Section 2.0 – Background: Provides a description of the existing Site conditions, background information and surrounding land uses. The regional environmental setting including the physiography, topography, surface water features in the vicinity, and the surficial geology is presented. This section of the report also considers a review of the Source Protection Information Atlas. The source protection information for the Site is based upon information current as of October 8, 2024.

Section 3.0 – Methodology: Describes the field activities and methodologies used to assess the hydrogeological and geotechnical conditions and to evaluate potential impacts associated with the undertaking.

Section 4.0 – Field Investigation Results: Provides a detailed description of the Site geology, hydrogeology and hydraulic properties of the underlying stratigraphy. Also discusses the long-term groundwater monitoring and presents hydrographs from monitoring wells MW7-S and MW7.

[1] N Architecture Inc. "27 Winona Dr, Whitchurch Stouffville, ON Place of Worship – Mosque. Site Plan Showing Roof Level", project no. 22-71, drawing no. A -1.0, dated June 26, 2024.

Section 5.0 – Discussion and Recommendations: Discusses the hydrostatic units and flow direction; single well response testing, and potential dewatering related to expected construction activities. A water balance evaluation was completed providing calculations of the expected pre- and post-development infiltration values based upon the preliminary conceptual plan provided to GHD. An infiltration target is established for the development. This section also provides geotechnical recommendations for the proposed development based on the soil and groundwater conditions encountered at the borehole locations.

Section 6.0 – Conclusions and Closure: Provides the overall conclusion of the report based upon the assessment findings and closure of the document. This section followed by a Statement of Limitations.

2. Background

2.1 Site Description

The Site is located at the municipal address of 27 Winona Drive in Whitchurch-Stouffville, Ontario, northeast of the intersection of Winona Drive and Main Street. The Site encompasses an area of about 0.24 hectares (0.59 acres) and is within an area that is municipally serviced for water and sewer.

The Site is of rectangular shape and is situated within a generally commercial and residential area. The Site is bounded by Winona Drive to the west, a restaurant to the south, a car wash to the north and an asphalt-paved parking lot to the east.

The planned development will involve the removal of the existing structures on the Site including a 1-storey commercial building. The proposed development will include a 3-storey mosque that will occupy most of the Site and landscaped areas. Design details, such as grading plan and building design loads, were not available GHD at the time of writing this report.

Ground elevation at the Site is approximately 270 masl and is generally flat. Locally, topography in the area of the Site is relatively flat with a gentle slope to the south.

2.2 Regional Setting

Regionally, the topography slopes gently towards Lake Ontario to the south. Regional topography is provided as **Figure 3**.

The Site is located within the physiographic region known as the South Slope and is shown on the figure entitled **Physiography, Figure 4**. Locally, the Site is within drumlinized till plains.

The surficial geology in the area of the Site, illustrated on **Figure 5**, consists of clay to silt-textured till derived from glaciolacustrine deposits or shale. The Quaternary deposits (**Figure 6**) indicate Halton Till (Ontario – Erie lobe) that is predominantly silt to silty-clay matrix that is high in carbonate and commonly low in clasts.

As identified in **Figure 7**, the bedrock of the area consists of shale, limestone, dolostone, siltstone identified as layers of the Georgian Bay Formation; Blue Mountain Formation; Billings Formation; Collingwood Member; and Eastview Member.

Source protection information from the “MECP Source Water Protection Atlas” is depicted on **Figure 8**. The Site is not situated within a Highly Vulnerable Aquifer (HVA) or Significant Groundwater Recharge Area (SGRA). The Site is not within a wellhead protection area (WHPA). Furthermore, the Site is not within a wellhead protection area Q1 or Q2. These areas are protected under the Clean Water Act (2006).

A SGRA is defined as an area where water seeps into an aquifer from rain and melting snow, supplying water to the underlying aquifer. An HVA aquifer occurs where the subsurface material offers limited protection from contamination resulting from surface activities.

A WHPA is defined as the surface and subsurface area surrounding a water well or well field that supplies a municipal residential system through which contaminants are reasonably likely to move so as to eventually reach the water well. WHPA Q1 means that activities that take water without returning it to the same source may be a threat. Activities that take water would include construction dewatering or other groundwater pumping. Pumping or dewatering activities may require appropriate permitting from the MECP but are not a concern from a Source Protection perspective. WHPA Q2 means activities that reduce recharge may be a threat. This may include the increase of impervious surfaces at a site, thus reducing infiltration of water to underlying aquifers. This Site is not a WHPA Q1 or Q2 area. WHPA are not a concern for this Site.

2.3 Existing Local Water Supplies

The Site and areas surrounding the Site are generally municipally serviced. The locations of water wells and their corresponding data recorded by the MECP within 500 m of the Site are shown in **Appendix A.** Based on the review of the well records, there are no nearby domestic water supply wells located within 500 m of the Site. The well record information indicates within 500 m of the Site that there are no dug / bored wells; no drilled overburden well records; or bedrock well records:

There were sixty-three (63) monitoring well records and fifty-two (52) abandonment and miscellaneous records within 500 m of the Site. The data from these records are summarized in **Table 1**.

Table 1 MECP Well Record Data

Well Use	Well Type/Unit	No. Wells	Well Depth Min – Max (Avg) (mbgs)	Water Encountered Depth Min – Max (Avg) (mbgs)	Static WL Min – Max (mbgs)	Yield Min – Max (Avg) (L/min)
Water Supply	Overburden – Dug/Bored	NA	NA	NA	NA	NA
Water Supply	Overburden – Drilled	NA	NA	NA	NA	NA
Water Supply	Bedrock	NA	NA	NA	NA	NA
Total		**0**				
Monitoring Wells	Drilled	63	2.0 – 15.2 (6.0)	1.8 – 6.1 (4.6)	3.1 – 7.4 (5.2)	NA
Abandonments	Unknown	52	5.2 – 39.6 (7.7)	NA	NA	NA

Notes:
Data based on MECP well record information (refer to **Appendix A** for detailed information).

2.4 Source Water Protection

Where proposed developments are being planned, it is important to assess the presence of Significant Groundwater Recharge Areas (SGRAs) and Highly Vulnerable Aquifers (HVAs) in the area. These areas are protected under the Clean Water Act (2006).

In general, SGRAs are defined as areas where water seeps into an aquifer from rain and melting snow, supplying water to the underlying aquifer. A HVA aquifer occurs where the subsurface material offers limited protection from contamination resulting from surface activities. GHD considered the potential for SGRAs and HVAs by reviewing the "Source Protection Information Atlas" (SPIA) that is currently available through the MECP website. The published information is dated current as of March 27, 2024. The Site falls within the Toronto Source Protection Area (SPA).

Based on the information reviewed from the "Source Water Protection Atlas", the Site is not within a wellhead protection area (WHPA). A WHPA is defined as the surface and subsurface area surrounding a water well or well field

that supplies a municipal residential system through which contaminants are reasonably likely to move so as to eventually reach the water well. WHPA-A is a 100 m radius around the wellhead. WHPA-B is an area where water and any pollution that may be present can reach the well within 2 years. WHPA-C is an area where water and any pollution that may be present can reach the well within 2 to 5 years. WHPA-D is an area where water and any pollution that may be present can reach the well within 5 to 25 years. WHPA-E is an area where the groundwater is under the direct influence of surface water, meaning that there may be direct pathways from the ground surface to the well, making the drinking water source vulnerable to contamination from the ground surface. The Site is not located within WHPA as presented on **Figure 8**.

2.4.1 Significant Groundwater Recharge Area

Groundwater recharge is largely controlled by soil conditions and typically occurs in upland areas or porous soils such as sand or gravel that allows water to seep into the ground and flow to an aquifer. A recharge area is considered significant when it helps maintain the water level in an aquifer that supplies a community with drinking water.

As defined in the Clean Water Act (2006), an area is a significant groundwater recharge area if,

- the area annually recharges water to the underlying aquifer at a rate that is greater than the rate of recharge across the whole of the related groundwater recharge area by a factor of 1.15 or more; or,
- the area annually recharges a volume of water to the underlying aquifer that is 55% or more of the volume determined by subtracting the annual evapotranspiration for the whole of the related groundwater recharge area from the annual precipitation for the whole of the related groundwater recharge area.

The Site is not within a SGRA as presented on **Figure 8.**

2.4.2 Highly Vulnerable Aquifers

The susceptibility of an aquifer to contamination is a function of the susceptibility of its recharge area to the infiltration of contaminants. As defined in the Clean Water Act (2006), the vulnerability of groundwater within a source protection area shall be assessed using one or more of the following groundwater vulnerability assessment methods:

- Intrinsic susceptibility index (ISI).
- Aquifer vulnerability index (AVI).
- Surface to aquifer advection time (SAAT).

Surface to well advection time (SWAT).

Within the Source Water Protection Act, the Director's rules will permit the use of various methods, such as the ISI, to determine those aquifers that are highly vulnerable. An ISI is a numerical indicator that helps to indicate where contamination of groundwater is more or less likely to occur as a result of surface contamination due to natural hydrogeological features based upon an indexing approach of the existing provincial Water Well Information System (WWIS) database. The scores are determined using a combination of the saturated thickness of each unit and an index number related to the soil type, and as such, the scores reflect the susceptibility of the aquifer to contamination. As defined in the MECP's 2008 Technical Rules:

- an area having an ISI score of less than 30 is considered to be an area of high vulnerability;
- an area having an ISI score greater than or equal to 30, but less than or equal to 80, is considered to be an area of medium vulnerability; and,
- an area having an ISI score of greater than 80 is considered to be an area of low vulnerability.

The Site is not within a HVA as presented on **Figure 8.**

2.4.3 Other Source Water Protection Considerations

The Site is not within a Wellhead Protection Area Q1 or Q2 (WHPA Q1/Q2) as presented on **Figure 8**. WHPA Q1/Q2 (moderate risk level) means that activities that take water without returning it to the same source may be a threat (Q1) and activities that reduce recharge may be a threat (Q2). Activities that take water would include construction dewatering or other groundwater pumping. Pumping or dewatering activities may require appropriate permitting from the MECP but are not a concern from a Source Water Protection perspective.

2.5 Previous Investigations

Investigations were conducted previously at the Site. Information from borehole logs indicated the subsurface to consist of topsoil and silty sand fill material into underlying sand and silt material followed by a sand deposit. The sand and silt layer was indicated to be an aquitard. Bedrock was not encountered.

Three (3) monitoring wells were previously installed denoted as MW2, MW6 and MW7. The information from previous drilling was utilized, where applicable, in this investigation.

3. Methodology

To achieve the purpose and objectives of this hydrogeological and geotechnical investigation, the following activities and tasks were undertaken:

– Borehole advancement for obtaining geotechnical parameters and installation of monitoring wells to facilitate the collection of groundwater levels to evaluate groundwater flow conditions.
– Obtained groundwater levels from the drilled monitoring wells to evaluate depth to groundwater and flow direction.
– Infiltration testing using a Constant Head Well Permeameter was completed to evaluate the hydraulic conductivity of the unsaturated surficial soils.
– Single well response testing (SWRTs) to assess horizontal hydraulic conductivity and groundwater flux of the saturated stratigraphic deposits investigated.
– Ground elevation surveying of the monitoring wells and borehole locations for purposes of assessing groundwater flow direction.
– Geotechnical laboratory testing in accordance with the latest editions of the ASTM Standards.

3.1 Health and Safety

For projects that incorporate field activities, GHD conducts Health and Safety planning. For this project, a site-specific Health and Safety Plan (HASP) was prepared and implemented during the field activities. The HASP presents the visually observed Site conditions to identify potential physical hazards to field personnel. Required personal protective equipment was also listed in the HASP. It is mandatory for GHD personnel involved in the field program, to read and have a copy of the HASP available at the Site.

3.2 Utility Clearance

GHD completed work at the Site previously and understood the Site conditions and access restrictions. Based on the limits of approach, the boreholes were positioned appropriately to avoid potential obstructions. The boreholes were placed in the field based on the proposed concept plan.

Prior to initiating the subsurface investigation activities, the applicable utility companies (gas, hydro, network cables, water, waste water, etc.) were contacted, to demarcate the location of their respective underground utilities to ensure that service lines would not be damaged during the investigative works.

GHD also retained a specialist private services locator (Utility Marx) to locate any underground private utilities that could potentially be present at the Site within the areas of intrusive work. The boreholes were positioned at appropriate locations to avoid existing service lines.

3.3 Subsurface Exploration

A subsurface investigation was conducted by GHD through the advancement of boreholes on October 25, 2023. The work was carried out under the full-time supervision of a GHD technical representative and included the advancement of boreholes and the installation of monitoring wells.

A summary of the observations made during the subsurface exploration program are presented below in the following sections.

3.3.1 Boreholes and Monitoring Well Installations

Four (4) boreholes were advanced (BH1-23 to BH4-23) to evaluate the Site subsurface conditions. As part of this investigations, nested wells were established (i.e. shallow and deep monitoring wells). To establish the nested well locations, shallow monitoring wells were drilled by GHD and installed adjacent to existing, deeper monitoring wells previously drilled at MW2 and MW7. These shallow monitoring wells, MW2-S and MW7-S were augered and no soil sampling was conducted at these locations. A monitoring well was also installed adjacent to BH4-23 and identified as MW6-S. The new monitoring wells are denoted with an "S" for shallow wells (i.e. MW2-S, MW6-S, and MW7-S). The existing and installed monitoring wells are shown on **Figure 2**. Following their installation, these wells were documented with the MECP and became the property of the site's owner. Borehole information is provided in **Table 2** and the monitoring well completion details and groundwater levels are presented in **Table 4** and **Table 5.** The logs of the boreholes are presented in **Appendix B.**

The drilling work was carried out by a truck-mounted conventional drilling rig, supplied and operated by Strong Soil Search Inc. (Strong), MECP-licensed well drillers, under the full-time supervision of a GHD experienced technical representative. The boreholes advanced by GHD for this investigation were terminated at a depth of 9.6 mbgs. The monitoring wells were installed by Strong in accordance with the requirements of Ontario Regulation (O. Reg.) 903 – Wells (R.R.O 1990).

The boreholes were advanced using continuous hollow stem augers and soil samples were collected using a 50-millimetre (mm) outside diameter split spoon sampler in general accordance with the specifications of the Standard Penetration Test (SPT) procedure described in ASTM D1586.[2]. The relative density or consistency of the subsurface soil layers 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. Groundwater level observations and measurements were made in the boreholes as drilling proceeded and upon completion of drilling.

The GHD technical representative logged the material encountered in the boreholes and examined the samples as they were obtained. The recovered samples were sealed in clean, airtight containers and transferred to GHD's laboratory, where they were reviewed by a senior geotechnical engineer.

Monitoring wells were constructed with 50 mm (2-inch) Schedule 40 PVC screen and casing. The well screens are 1.5 m (5 feet) in length and pre-slotted (No. 10 slot) (refer to **Table 5**). Silica sand pack was placed around the monitoring well screen and typically extended 0.3 m above the screen. The remaining annular space was sealed with bentonite, and the wells were completed with protective monument style casings or flushmount casings. The installation details for each monitoring well are provided in the respective borehole logs. The installed monitoring wells will need to be abandoned in accordance with O. Reg. 903 once no longer required.

[2] ASTM D1586-11 - Standard Test Method for Standard Penetration Test and Split-Barrel Samplings of the soil, ASTM International, West Conshohocken, PA 2015

The as-drilled borehole locations were surveyed by GHD staff using an EOS Arrow Gold Plus Global Navigation Satellite System (GNSS) that streams to the Real Time Kinetic (RTK) Network. The borehole locations are relative to UTM Coordinates, Zone 17 with NAD 83 Datum (Original), northing and easting coordinates and ground surface elevations at the borehole locations are referenced to a Geodetic Datum. The ground elevations are provided for engineering analysis purposes only and should be confirmed by a licensed surveyor.

A summary of the borehole and monitoring locations, depths and ground surface elevations of the boreholes and monitoring wells drilled by GHD for this investigation is provided in **Table 2** below.

Table 2 Summary of Advanced Boreholes

Borehole / Monitoring Well ID	Location – UTM Coordinates System		Borehole Depth (mbgs)	Ground Elevation (m)
	Northing	Easting		
BH1-23	4869984	639689	9.6	270.95
BH2-23	4869955	639696	9.6	270.70
BH3-23	4869999	639744	9.6	271.13
BH4-23	4869973	639747	9.6	270.77
MW2-S	4869975	639695	3.2	271.02
MW6-S	4869975	639747	3.0	270.83
MW7-S	4869958	639708	3.1	270.88

It should be noted that the provided coordinates and elevations are approximate and should not be used for construction purposes. The ground elevations are provided for engineering analysis purposes only and should be confirmed by a licensed surveyor.

3.4 Laboratory Testing

3.4.1 Geotechnical Laboratory Testing

The physical laboratory testing was conducted in accordance with the American Society for Testing and Materials (ASTM) and Canadian Council of Independent Laboratories (CCIL) applicable standards. Laboratory testing consisted of moisture content tests on all recovered soil samples and grain size distribution analyses (sieve and hydrometer testing) on four (4) selected soil samples.

The results of the moisture content and grain size distribution testing results are reported on the boreholes logs presented in **Appendix B**. The grain size distribution curves are provided in **Appendix C**.

The soil testing program and soil classification conformed to the latest edition of the following standards:

MTO LS-702 Standard Test Method for Particle Size Analysis of Soils (Hydrometer Analysis)

ASTM D2216 Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soils

ASTM D2487 Standard Practice for Classification of Soils for engineering purposes (Unified Soil Classification System-USCS)

3.4.2 Chemical Testing

Two (2) soil samples were submitted to Caduceon Environmental Laboratories (Caduceon) in Richmond Hill, Ontario and analyzed for a suite of corrosivity parameters including resistivity, soluble chloride, soluble sulphate, sulfide, REDOX potential and pH. The results of these chemical analyses are presented in **Appendix G**.

3.5 Groundwater Level Monitoring

Manual groundwater levels were collected using a Solinst water level meter. Groundwater levels were collected from the monitoring wells on October 25, 2023, November 8, 2023 and November 7, 2024. These measurements are summarized in **Table 5**. Long-term groundwater monitoring was completed between November 8, 2023 and November 7, 2024 within monitoring wells MW7-S and MW7 using data loggers programmed to collect groundwater levels and temperature every 15 minutes. Hydrographs are provided in **Appendix H.**

3.6 Infiltration Testing

In-situ permeability testing was conducted using a Constant Head Well Permeameter (CHWP) to provide infiltration parameters for development of potential stormwater management options. Two (2) infiltration tests were performed on November 8, 2023 within the areas adjacent to MW7 and BH3-23. Design details for a stormwater management facility were not available at the time of preparing this report.

The infiltration test locations were hand augured to a depth of 0.5 to 0.6 mbgs. The CHWP is used to assess the field saturated hydraulic conductivity within the immediate vicinity of the testing equipment. The field permeameter test consisted of the following:

– Excavation of a cylindrical borehole to the interval to be tested.
– Placement of the permeameter in the borehole and filling of the borehole with water.
– Monitoring the rate of decline of the water level in the reservoir until quasi-steady flow conditions.

The hydraulic conductivity measured in the unsaturated (vadose) zone is referred to as the “field-saturated” hydraulic conductivity (K*fs*) (Reynolds, 1993). The CHWP method measures the quasi-steady state flow rate (Q) necessary to maintain a constant depth of water (H) in an uncased borehole. K*fs* can then be calculated from Q and H and other coefficients (Reynolds, 1993).

The analytical solution input parameters include the following:

– Reservoir cross-sectional area
– Water height
– Borehole radius
– Soil texture
– C-factor
– Quasi-steady state rate of water level change.

Alternatively, quick reference tables have been prepared for the specific permeameter characteristics and borehole diameter when utilizing the CHWP testing equipment and were used by GHD during our testing. The infiltration data results are summarized in **Table 6**. The results of the testing are presented in **Appendix D** and are discussed in **Section 4** of this report.

3.7 Single Well Response Tests

Single well response tests (SWRTs) were completed at two (2) of the existing monitoring wells: A247240 and MW7. The SWRTs were conducted on November 8, 2023 to estimate the horizontal hydraulic conductivity of the saturated geologic deposit 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 water levels were measured using data loggers programmed at half (0.5) second intervals. The results of the hydraulic testing were analyzed using the Bouwer-Rice (1976) solution for unconfined aquifer conditions as provided in the software package AQTESOLV™.

These solutions were used to evaluate 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 7**. The results of the testing are presented in **Appendix E** and are discussed in **Section 4**.

3.8 Water Balance

To understand the pre- and post-infiltration components, a water budget analysis was undertaken for the Site to evaluate the amount of water surplus generated for the existing and proposed Site conditions and assess the potential impacts that may occur in the recharge / discharge characteristics related to the proposed development. The Site encompasses an area of 0.59 acres (2,411.1 m^2) to be developed with a 3-storey mosque. It is our opinion that groundwater infiltration should be maintained to the greatest extent possible.

This evaluation is based upon a revised conceptual plan consisting of a 3-storey building with a proposed footprint of 1,956.4 m^2 that will occupy most of the Site. The remainder of the Site will be landscaped areas.

The objective of the water balance is to illustrate that post-development infiltration within the developable area can meet or be close to pre-development values. The computations have used detailed parameters such as precipitation (Toronto Buttonville A weather station using data from 1981 to 2010 was used), regional evapotranspiration, infiltration and runoff. Weather data from Toronto Buttonville A was selected as it was the closest weather station to the Site (~14.9 km away). The detailed calculations are provided in **Appendix F**.

4. Field Investigation Results

The following sections provide a detailed description of the field activities completed including geology and hydrogeology of the Site based on the results of the investigation completed and on the available background information. Detailed stratigraphy is shown on the borehole logs.

It should be noted that the subsurface conditions are only confirmed at the borehole locations and may vary between and beyond the borehole locations. The boundaries between the various strata, as shown on the borehole logs are based on non-continuous sampling and drilling resistance noted and observed at the time of drilling. These boundaries represent an inferred transition between the various strata, rather than precise planes of geological change.

4.1 Subsurface Conditions

The detailed subsurface soil and groundwater conditions as encountered in the boreholes advanced by GHD during the investigation and the results of the laboratory tests carried out on selected soil samples is discussed in the following sections. The borehole logs are provided in **Appendix B**. The results of the geotechnical laboratory testing are presented in **Appendix C**. The soil conditions encountered within the shallow monitoring wells installed by GHD and the boreholes previously advanced are not discussed; however, groundwater levels from these wells are included in this report.

The stratigraphic boundaries shown on the borehole logs are inferred from non-continuous sampling, observations of drilling process and the results of Standard Penetration Tests (SPT). These boundaries, therefore, represent transitions between soil types rather than exact planes of geological change. Furthermore, subsurface conditions will vary between and beyond the borehole locations.

The following observations were made from boreholes BH1-23 to BH4-23. In summary, the boreholes generally encountered topsoil or asphalt at the surface followed by fill underlain by non-cohesive native soils of a predominantly sandy deposit varying from one borehole to another and at different depths and mainly consisting of silt and sand or silty sand. Bedrock was not encountered during the drilling program conducted at the Site.

Detailed descriptions of subsurface conditions of the advanced boreholes are provided in the following sections of this report. The subsurface conditions are described in accordance with the Unified Soil Classification System (USCS) and the Canadian Foundation Engineering Manual (CFEM 2006).

4.1.1 Topsoil

A layer of surficial topsoil was encountered in two (2) of the four (4) boreholes (BH3-23 and BH4-23). The topsoil layer in the boreholes was about 100 mm in thickness. This soil was observed to be in a damp, loose state, with a silty, highly organic content. As such, it is expected to be devoid of any structural engineering properties.

4.1.2 Asphalt

A layer of surficial asphalt was encountered in two (2) of the four (4) boreholes (BH1-23 and BH2-23). The asphalt was measured to be 75 mm and 100 mm thick in borehole BH1-23 and BH2-23, respectively.

4.1.3 Fill

A layer of fill was encountered in boreholes BH1-23, BH2-23, and BH4-23 directly beneath the topsoil or asphalt. The thickness of the fill ranged from about 0.4 to 1.5 m. The fill was generally reddish to dark brown in colour and consisted of sandy silt or silty sand. The SPT N value obtained from within the fill layer ranged from 9 blows / 300 mm to 20 blows / 300 mm indicating a loose to compact in-situ state of relative density. Samples of this material were visually described to be in a generally moist condition with measured moisture contents ranging from seven (7) percent to fifteen (15) percent by weight.

4.1.4 Silt and Sand

A layer of Silt and Sand was observed below the topsoil or fill in all boreholes. This layer was typically encountered at 0.1 to 1.5 mbgs (271.0 to 269.2 masl) and ranged from 4.5 to 6.0 meters thick. The material was described as light brown to brown, moist, and often stratified.

The SPT N values obtained from within the Silt and Sand layer ranged from 12 blows / 300 mm to over 88 blows / 300 mm indicating a compact to very dense compactness. The average SPT N value for this soil layer was approximately 46 blows / 300 mm. Based upon grain size distribution analyses of three (3) samples, the silt and sand consisted of 0 to 8% gravel, 41 to 53% sand, 36 to 45% silt and 7 to 15% clay-sized particles by weight. The moisture content of this layer ranged from 3 to 16 percent by weight and described to be moist. The average moisture content of this soil deposit was 8.3 percent.

4.1.5 Silty Sand

All of the boreholes were terminated within Silty Sand. This material was found from 6.1 mbgs to the bottom of each borehole. The material was described as light brown to grey in colour.

The SPT N values obtained from the material ranged from 13 blows / 300 mm to over 90 blows / 300 mm indicating a generally compact to very dense in-situ relative density. Based upon grain size distribution analyses of one (1) representative sample, the silty sand is comprised of 0% gravel, 64% sand, and 29% silt and 7% clay-sized particles by weight. The moisture content of this layer ranged from 18 to 21 percent by weight and was described to be wet. The average moisture content of this soil was 19.2 percent.

4.2 Physical Laboratory Testing Results

A total of four (4) samples collected from the soils encountered at the Site were selected for testing of grain size distribution analysis (hydrometers). The laboratory test results are summarized in the following table and detailed test results are presented in **Appendix C**.

Table 3 Grain Size Distribution Testing Results

Borehole	Sample ID	Sample Depth (mbgs)	Particle Size Distribution				Soil Description (USCS Classification)
			%Gravel	%Sand	%Silt	%Clay	
BH1-23	SS6	4.6 – 5.1	0	48	45	7	Silty and Sand (ML)
BH2-23	SS3	1.5 – 2.0	8	41	36	15	Silty and Sand (ML)
BH3-23	SS5	3.1 – 3.6	0	53	40	7	Silt and Sand (SM)
BH4-23	SS8	7.6 – 8.1	0	64	29	7	Silty Sand (SM)

4.3 Groundwater Observations and Measurements

Groundwater observations and measurements were collected from the open boreholes during and upon completion of drilling each borehole. Groundwater seepage was observed in each of the boreholes BH1-23 to BH4-23 at a depth of about 6.1 mbgs. Shallow monitoring wells were installed near existing wells (MW2, MW6, and MW7) on Site and denoted as MW2-S, MW6-S, and MW7-S. Groundwater seepage was not observed during the installation of these monitoring wells.

A summary of the borehole and monitoring well details are provided in **Table 4**. The groundwater seepage depth refers to the approximate depth where water was encountered during the drilling activities. The volume of groundwater from within the underlying deposits is generally expected to be minor; however, pockets of more permeable material may be encountered. The groundwater seepage depth for locations A247240, MW2, MW6, and MW7 was not indicated as these wells were installed by others.

Table 4 Summary of Borehole and Monitoring Well Information

Location	Ground Elevation *(m)	Screened Interval		Sandpack Interval (effective screen)		Groundwater Seepage**	
		Depth (mbgs)	Elevation (masl)	Depth (mbgs)	Elevation (masl)	Depth (mbgs)	Elevation (masl)
A247240	270.84	3.8 – 6.8	267.0 – 264.0	Information not available.			
BH1-23	270.95	Monitoring well not installed				~ 6.1	~ 264.9
BH2-23	270.70	Monitoring well not installed				~ 6.1	~ 264.6
BH3-23	271.13	Monitoring well not installed				~ 6.1	~265.0
BH4-23	270.77	Monitoring well not installed				~ 6.1	~ 264.7
MW2	270.98	4.6 – 7.6	266.4 – 263.4	4.3 – 7.6	266.7 – 263.4	~6.2	~264.8
MW2-S	271.02	1.7 – 3.2	269.3 – 267.8	1.2 – 3.2	269.8 – 267.8	None observed	
MW6	270.77	5.2 – 8.2	265.6 – 262.6	4.6 – 8.2	266.2 – 262.6	~6.1	~264.7
MW6-S	270.83	1.5 – 3.0	269.3 – 267.8	1.2 – 3.0	269.6 – 267.8	None observed	
MW7	270.89	3.7 – 6.7	267.2 – 264.2	3.4 – 6.7	267.5 – 264.2	4.6	~266.3
MW7-S	270.88	1.6 – 3.1	269.3 – 267.8	1.2 – 3.1	269.7 – 267.8	None observed	

Notes:
m = metres; mbgs = metres below ground surface; masl = metres above sea level
(*) Ground elevations were measured using an EOS Arrow Gold Plus GPS system and, are for the purposes of evaluating groundwater elevation and flow direction and should not be relied upon as a legal survey or topographic elevation survey.
(**) Groundwater seepage noted during drilling process.

Groundwater level monitoring data was collected from the monitoring wells on October 25, 2023 and November 8, 2023 and is summarized in **Table 5**. Based upon the water levels, no water was present within the shallow monitoring wells to a depth of about 3.0 m to 3.2 m (i.e. the bottom of these shallow wells).

Table 5 Groundwater Levels and Elevations

Monitoring Well ID	Ground Surface Elevation (masl)*	Well Pipe Stick Up (m)	Water Levels (Measured on October 25, 2023)		Water Levels (Measured on November 8, 2023)		Water Levels (Measured on November 7, 2024)	
			Water Level (mbgs)	Groundwater Elevation (masl)	Water Level (mbgs)	Groundwater Elevation (masl)	Water Level (mbgs)	Groundwater Elevation (masl)
A247240[F]	270.84	-0.09	5.91	264.93	5.97	264.87	Not measured.	
MW2[F]	270.98	-0.08*	5.79	265.19	5.79	265.19		
MW2-S[F]	271.02	-0.15*	Monitoring well was dry to 268.00 masl					
MW6	270.77	0.77	Monitoring well was dry and pipe was plugged					
MW6-S	270.83	0.92	Monitoring well was dry to 266.91 masl					
MW7[F]	270.89	-0.06*	6.04	264.85	6.10	264.79	6.34	264.55
MW7-S	270.88	0.91	Monitoring well was dry to 266.84 masl					

Notes:
mbgs = metres below ground surface; masl = metres above sea level
*Ground surface elevations are for the purposes of evaluating groundwater elevation and flow direction and should not be relied upon as a legal survey or topographic elevation survey.
"F" denotes a flushmount well

Monitoring wells constructed within MW2-S, MW6-S and MW7-S were dry on October 25, 2023 and November 8, 2023 and monitoring well MW7S was dry on November 7, 2024. The monitoring well at MW6 was also dry but was plugged partially down the pipe and cannot be relied upon. The groundwater elevations ranged from 264.79 metres above sea level (masl) at MW7 to 265.19 masl at MW2. Current grade elevation at the Site ranges from about 271.1 masl to 270.8 masl.

It should be noted that the groundwater level is subject to seasonal fluctuations and precipitation events and should be expected to be higher during wet periods of the year. Perched groundwater conditions could develop in the shallower soils and fill materials after heavy precipitation and / or during spring thaw; however, would be expected to be temporary.

4.3.1 Long-Term Groundwater Monitoring Results

Two (2) locations (MW7-S and MW7) were monitored using data loggers collecting continuous groundwater levels and temperature every 15 minutes for one (1) between November 8, 2023 and November 7, 2024. The data loggers were downloaded, the data was barometrically corrected to account for atmospheric pressure changes and water level and groundwater temperature data was plotted onto hydrographs attached within **Appendix H**. The hydrographs also include precipitation data from Uxbridge West weather station, about 16 kilometres west of the Site. The monitoring well hydrographs present information from a shallow monitoring well (MW7-S which is 3.1 metres deep) and from a deeper monitoring well (MW7 which is 6.7 m deep).

The hydrograph for MW7-S shows that the monitoring well is dry throughout the monitored period. If there is any groundwater present at this depth, it is of short duration and expected to be of limited volume, if at all.

The hydrograph for MW7 illustrates that there is groundwater present throughout the year at depths ranging from about 5.5 m to 6.5 m. Groundwater temperature ranges from about 10 ^{o}C to 11.5 ^{o}C.

4.4 Infiltration Testing

Infiltration testing using a Constant Head Well Permeameter (CHWP) was completed on the unsaturated silty sand fill and silt and sand material at a depth of approximately 0.5 to 0.6 mbgs and adjacent to monitoring well MW7 and borehole BH3-23. The test data is provided in **Appendix D** and the summary of the infiltration testing is presented in **Table 6**.

Table 6 Infiltration Testing Results

Infiltration Test ID	Depth Tested (mbgs)	Soil Tested	Kfs (cm/s)	Test Duration (min)	Estimated Infiltration Rate (mm /hr)
INF-1 at MW7	0.6	Silty Sand Fill	2.1×10^{-4}	20	~56
INF-2 at BH3-23	0.5	Silt and Sand	1.1×10^{-4}	20	~48

The average field saturated hydraulic conductivity (K_{fs}), based upon testing conducted at INF-1 and INF-2 is 1.52×10^{-4} cm/s (geometric mean). The corresponding infiltration rate at these locations ranges from approximately 48 to 56 mm/hr. The field saturated hydraulic conductivity indicates the sand and silt material at these locations could provide infiltration and recharge capability.

It should be noted that the design infiltration rate is based on the ratio between the mean infiltration rate and the lowest infiltration rate for soils within 1.5 metres below the base of the infiltration structure or feature, and an applied safety factor. The safety factor increases from 2.5 to 8.5 times, the higher the ratio the greater the safety factor required. Deeper infiltration testing to confirm a safety factor was not conducted. Design details for a stormwater management facility were not available at the time of preparing this report.

4.5 Hydraulic Testing

Single well response testing (SWRTs) was completed at a selected monitoring well to estimate the horizontal hydraulic conductivity of the saturated geologic deposits underlying the Site. Hydraulic response testing was completed at monitoring well MW7. The monitoring well is screened within the overburden.

Single well response tests 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 analysed using the Bouwer and Rice[3] solution for unconfined conditions using the software AQTESOLV™. This solution was used to determine the horizontal hydraulic conductivity of the geologic deposits within the immediate vicinity of the screened interval of the monitoring well. The AQTESOLV™ analysis reports are presented in **Appendix E.** The data from the SWRT is summarized in the following table:

Table 7 Single Well Response Test Results

Monitoring Well	Unit Tested	Test Type / Number	Analysis Method	Horizontal Hydraulic Conductivity – K_H (each test) (m/sec)	Geometric Mean Horizontal Hydraulic* Conductivity – K_H (m/sec)
MW7	Sand unit	Falling Head #1	Bouwer-Rice	6.4×10^{-5}	8.4×10^{-5}
		Rising Head #1		1.1×10^{-4}	
		Falling Head #2		6.3×10^{-5}	9.4×10^{-5}
		Rising Head #2		1.4×10^{-4}	
		Falling Head #3		8.1×10^{-5}	1.0×10^{-4}
		Rising Head #3		1.3×10^{-4}	
GEOMETRIC MEAN				**9.3×10^{-5} (all tests)**	

The results indicate that the horizontal hydraulic conductivity of the screened interval at MW7 ranged from 6.3×10^{-5} to 1.4×10^{-4} m/sec. The geometric mean hydraulic conductivity of the material tested (K_h) is estimated to be 9.3×10^{-5} m/s. An average hydraulic gradient of 0.04 m/m was estimated between MW2 and A247240. The groundwater flux (per square metre) can be estimated using the following relationship:

[3] Bouwer, H. and R.C. Rice, 1976. A slug test method for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells, Water Resources Research, vol 12, no. 3, pp. 423-428.

q = Ki

where:

q = groundwater flux (per square metre)
K = hydraulic conductivity (9.3×10^{-5} m/s)
i = hydraulic gradient (0.04 m/m)

Therefore, the estimated groundwater flux in the native deposit where groundwater was encountered is estimated to be 4.1×10^{-6} m/s, per square metre (9.3×10^{-5} m/s x 0.04 m/m = 4.1×10^{-6} m/s). The flow rate per square metre is approximately 1.9×10^{-2} L/min (4.1×10^{-6} m/s x 60 sec/minute x 1,000 L/m^3 = 0.25 L/min). Based on the SWRT result, groundwater within the sand deposit would have a relatively low flow rate. As noted previously, no groundwater was observed within the shallow monitoring wells MW2-S, MW6-S and MW7-S.

The SWRT results reflect relatively low hydraulic conductivity characteristics. Note that slight variations in the soil stratigraphy may cause variations in the permeability / transmissivity of the soil in both vertical and horizontal orientations, that could result in K-values outside the stated range if pockets or seams of soils with different grain size and permeabilities (e.g. coarse sand / gravel seams / layers) are encountered.

5. Discussion and Recommendations

5.1 Hydrogeology

5.1.1 Hydrostratigraphic Units

The primary hydrostratigraphic units (i.e. aquifer / aquitard units) underlying the Site include the following:

- **Asphalt / Topsoil / Fill** – unsaturated
- **Silt and Sand** – unsaturated
- **Silty Sand / Sand**– unsaturated to saturated

Based on the borehole investigation, the shallow fill soils and silt and sand layer are unsaturated across the Site with groundwater encountered during drilling between about 266.3 masl and 264.6 masl (4.6 to 6.2 m).

5.1.2 Flow Direction and Gradient

Based upon the water levels measured by GHD, the groundwater elevations indicate that the flow direction is in a southwest to south direction. Groundwater elevations and flow direction are depicted on **Figure 9**. It should be noted that groundwater levels are transient and tend to fluctuate with the seasons, periods of precipitation and temperature.

Based upon the groundwater elevations at MW2 and A247240, the average horizontal groundwater gradient in the direction of flow is estimated to be on the order of 0.04 metres per metre (m/m).

5.1.3 Construction Dewatering

Excavations are expected to extend into the underlying silty and sand / silty sand / sand for this development. Based upon our boreholes and monitoring wells, groundwater seepage may be encountered; however, in general the groundwater table appears to be below the expected depth of the development and if shallow groundwater seepage zones are encountered, the volume is anticipated to be relatively minor until depths of 4.6 to 6.2 m when the groundwater table is expected. Dewatering to remove groundwater seepage as well as surface water runoff and precipitation to ensure safe and dry working conditions may be required depending on the depth of the excavation and

the time of the year. Pumping from collection sumps to an acceptable outlet will control this expected groundwater infiltration.

Should any excavations require more intensive dewatering or groundwater control, the use of filtered sumps, or other suitable method of dewatering is recommended. If short-term pumping of groundwater at volumes greater than 50,000 L/day and less than 400,000 L/day is required during the construction stage, the Environmental Activity and Sector Registry (EASR) must be completed. If the projected construction dewatering volumes exceed 400,000 L/day, then a Category 3 Permit to Take Water (PTTW) will be required from the MECP. Pumping groundwater at volumes of 50,000 L/day or greater is not expected based upon the information collected; provided the excavations do not extend to deeper than elevation 266.3 masl. Any groundwater that is encountered or surficial water infiltration into open excavations is expected to be controlled by pumping from sump(s) to an acceptable outlet. Should zones producing more significant groundwater infiltration be encountered, the use of cut-off trenches, filtered pumps, sheet piling, or other forms of groundwater control may be required and a permit to pump volumes greater than 50,000 L/day may be required.

It is not the purpose of this report to assess the planned water taking related to any required dewatering work. Once the detailed design drawings have been prepared, a water taking assessment can be completed to determine requirements of dewatering and recommendations for an EASR or PTTW application, should they be needed. At the construction stage of the development, any monitoring wells at the Site are to be decommissioned in accordance with O. Reg. 903 by a licensed and experienced contractor.

5.1.4 Water Balance

The following subsections describe the water balance and establish post-development infiltration targets for the proposed development. The water balance calculations are provided in **Appendix F**. The Site encompasses an area of 0.59 acres (2,411.1 m^2) to be developed with a 3-storey mosque with a proposed footprint of 1,956.4 m^2 that will occupy most of the Site. The remainder of the Site will be landscaping.

5.1.4.1 Pre-Development Water Balance

The pre-development water balance incorporated the existing soils, slope and landscaped areas. The infiltration factor for the area was calculated from the table of values presented in the "Land Development Guidelines"[4]. It is based on three sub-factors which are:

- Topography sub-factor;
- Soil sub-factor; and
- Cover sub-factor.

A topography factor of 0.25 for relatively flat topography and a soil factor of 0.25 representing the underlying silty sand, silt and sand etc., was used. The existing vegetation factor for the pre-development site included a lawn area. The pre-development site also included asphalt areas and a rooftop (see **Appendix F.2** for breakdown of areas). The pre-development infiltration assumes that 25% of the precipitation that runs off the rooftop will infiltrate into the ground and that 5% of the precipitation that contacts the asphalt also infiltrates through cracks, side margins etc. **Table 8** summarizes the expected pre-development water balance values for the Site.

[4] MOEE Hydrogeological Technical Information Requirements for Land Development Applications. April 1995.

Table 8 Pre-Development Summary

Total Precipitation (Toronto Buttonville A)	- 853.0 mm/yr
Regional Evapotranspiration	- 608.7 mm/yr
Recharge Available	- 244.3 mm/yr
Site Area	- 2,411 m^2
Pervious Areas -Lawn – 40.6%	- 978 m^2 (40.6%)
Impervious Areas -Rooftop – 24.4% -Asphalt – 35.0%	- 1,433 m^2 (59.4%)
Total Water Surplus -Percent of Precipitation – 59.2%	- 1,217 m^3/yr
Evapotranspiration -Percent of Precipitation – 40.8%	- 840 m^3/yr
Total Estimated Infiltration -Percent of Precipitation – 13.8%	- 285 m^3/yr
Total Estimated Runoff -Percent of Precipitation – 45.4%	- 932 m^3/yr

Based upon our calculations, the pre-development site is about 40% pervious (the asphalt areas have limited infiltration and are assumed to be impervious). Based upon the pre-development values, the overall Site infiltrates on the order of about 285 m^3 per year or about 118 mm/year (the infiltration rate is about 160 mm/year for pervious areas). The infiltration rate appears to be suitable for the Site given that the soils below the topsoil and fill were observed to be silty and sand / silty sand etc.

5.1.4.2 Post-Development Water Balance (No Infiltration Enhancements)

The computation of the water budget was repeated for the proposed development assuming no infiltration enhancements, that is, runoff from impervious surfaces is unrecoverable and not infiltrated into the ground. The anticipated impact of the development is related to increased runoff from imperious surfaces such as the building roof top and asphalt surfaces. These are assumed to be impervious surfaces with zero infiltration capacity in this model. A summary of the computations is provided in **Table 9** based upon the conceptual plan provided to GHD:

Table 9 Post-Development Summary (No Infiltration Enhancements)

Site Area	- 2,411 m^2
Pervious Areas -Landscaping / grass – 10.6%	- 256 m^2 (10.6%)
Impervious Areas -Mosque rooftop – 81.1% -Asphalt areas – 8.2%	- 2,155 m^2 (89.4%)
Total Water Surplus -Percent of Precipitation – 74.5%	- 1,533 m^3/yr
Evapotranspiration -Percent of Precipitation – 25.5%	- 524 m^3/yr
Total Estimated Infiltration -Percent of Precipitation – 2.0%	- 41 m^3/yr

Infiltration % Difference (pre- vs post-)	- (86%) (**decrease**)
Total Estimated Runoff -Percent of Precipitation – 72.6%	- 1,492 m^3/yr
Infiltration % Difference (pre- vs post-)	(60%) (increase)

Assumptions that were made in order to compute the post-development water budget in **Table 9** included evaporation from impervious surfaces and the impermeable surface areas of asphalt surfaces and building roof top with zero (0) infiltration capability. Under this scenario, the total infiltration volume decreased by about 86% and runoff volume increased by about 60%.

Based upon these water balance calculations, the infiltration has reduced, and the runoff increased versus the pre-development values. Groundwater base flow would be expected to decrease over time in this scenario and additional stormwater may need to be managed. Based upon this scenario, mitigative strategies would be required to maintain infiltration; however, only a minor portion of the existing infiltration is expected to recharge the deeper aquifers that are confined below the till. The following section discusses the water balance after considering the mitigation strategy of conveying rooftop stormwater to a Low Impact Development (LID) feature for infiltration. As noted, the building area covers most of the developable area, thus disconnection of downspouts will likely not be LID feature that is feasible for this Site. The management of groundwater recharge following development is recommended where feasible and should be designed using a best management practice approach. The runoff from the proposed development will be in accordance with the stormwater management report.

5.1.4.3 Post-Development Water Balance (With Enhanced Infiltration)

The post-construction water budget computations were repeated considering enhanced infiltration options which are known as LID technologies. The water balance provides generic infiltration and runoff values that were completed solely for demonstration purposes to illustrate that pre-development conditions can be maintained. Specific LID design criteria and selection of actual LID technologies will be the responsibility of the stormwater engineer for the development. These technologies include and are not restricted to rainwater harvesting, downspout disconnection, infiltration trenches, vegetated filter strips, bioretention, permeable pavement, enhanced grass swales, dry swales and perforated pipe systems in order to balance the water budget.

The post-development water balance was modelled to show that stormwater from the building rooftop can be directed to underground chambers as there does not appear to be sufficient area to direct stormwater from the rooftop via downspouts (disconnected from storm sewers) to sodded areas or undeveloped areas for infiltration (as noted, this may not be feasible due to the building covering the majority of the Site area). A summary of the post-construction water budget with use of an underground chamber mitigation for infiltration is presented in **Table 10**. As noted above, the actual LID will be designed by others.

Table 10 Post-Development Summary with Enhanced Infiltration – Underground Chamber

Site Area	- 2,411 m^2
Rooftop Infiltration Target	- 244 m^3/yr
Rooftop Stormwater Surplus Available	- 1,335 m^3/yr
% of Rooftop Stormwater Surplus Required to meet Rooftop Infiltration Target	- 18.3 %

In this scenario and based on the information provided, the infiltration values have been modelled to show that 18.3% of the rooftop runoff from the building will need to be infiltrated such that there will be no infiltration change from an overall site perspective when compared to pre-development values.

The use of extra depth of topsoil in landscaped areas can provide additional storage for rainfall events for potential infiltration.

5.1.5 Low Impact Development

To maintain the pre-development infiltration and minimize impacts to groundwater base flow, the predicted infiltration volume of 41 m^3/year for the undeveloped areas of the Site plus an additional 244 m^3/year of infiltration from the rooftop would be required. Based upon LID literature, an underground chamber can infiltrate up to 85% of rooftop runoff resulting in an infiltration surplus of nearly 900 m^3/year compared to the pre-development infiltration. Thus, only about 18.3% of the rooftop runoff is required to maintain the pre-development infiltration values.

A review of normalized 30-year rainfall records for the Toronto Buttonville A weather station from 1981-2010 indicated that there were about 113 days of rain events between 0.2 and 5 mm. Assuming a worst case that all events are only 0.2 mm rainfall events results in about 44 m^3/year of stormwater based upon these events only from the rooftop area. There are also about 45 rain events between 5 and 10 mm per year. Assuming a worst case that all events are only 5 mm rainfall events results in about 444 m^3/year of stormwater based upon these events only from the rooftop area. Based upon these calculations for events up to 10 mm results in 488 m^3/year of stormwater available and would be sufficient to meet the infiltration deficit target of 244 m^3/year. Use of an infiltration chamber sized to accept runoff from the roof for up to 10 mm rain events will maintain groundwater recharge rates.

On-going long-term groundwater monitoring is being conducted within MW7 and MW7-S to assess the recommended vertical separation between the base of the LID feature selected by the design team and the high groundwater level.

Based on the water balance calculations, it is estimated that the difference between the average annual water surplus for the existing and the proposed Site conditions is approximately 316 m^3/year. Under the proposed development scenario based upon the revised concept plan, the amount of runoff would increase as a result of the increase in impervious areas and decrease in permeable surfaces and will need to be managed by a stormwater management plan.

5.2 Geotechnical

A concept plan of the mosque development was provided to GHD showing the proposed layout including a 3-storey building with a proposed footprint of 1,956.4 m^2 to be serviced municipally for water and sewer. **Figure 2** illustrates the concept plan which includes a basement / parkade level occupying most of the developable area of the Site. The development includes landscaped areas. The building's proposed finished first floor elevation is 270.6 m.

Based upon the above comments and on the borehole information, and assuming them to be representative of the subsoil conditions across the Site, the following comments and recommendations are offered.

It should be noted that the recommendations provided herein are intended for use by designers only. Contractors bidding on or undertaking any work at the site should examine the factual results of the assessment, satisfy themselves as to the adequacy of the information for construction, and make their own interpretation of the factual data given above as it affects their proposed construction techniques, equipment capabilities, costs, sequencing, and other related issues. Where comments are made on construction, they are provided to highlight those aspects that could affect the design of the project. Comments, techniques, or recommendations pertaining to construction should not be considered as instructions to the contractor. On-going liaison with GHD during the final design and construction phase of the project is recommended to ensure that the recommendations in this report are applicable and/or correctly interpreted and implemented.

5.2.1 Site Preparation, Grading and Backfill

Based on the subsurface conditions encountered in the boreholes, the Site is generally underlain by a surficial layer of topsoil or asphalt, underlain by fill materials over native soils generally consisting of compact to very dense silt and sand followed by generally compact to very dense silty sand.

Any topsoil, asphalt, vegetation, disturbed earth, fill, organic and organic-bearing material should be removed from the footprint of the proposed building and within pavement areas prior to site grading activities. Fill materials found to contain significant amounts of topsoil / organics or rootlets should not be used as backfill. Additionally, care will be

required during excavation to separate any fill materials that appear to contain significant amounts of topsoil/organics or rootlets from the clean earth fill.

The fill (free of topsoil/organic and rootlets) and the native soils encountered at the Site are generally suitable for reuse as backfill to raise site grades (where required), or as trench backfill during installation of buried services, provided they are free of organic material, and are within the optimum moisture content. Control of moisture content during placement and compaction will be essential for maintaining adequate compaction. It should be anticipated that reworking of the soils may be necessary to facilitate compaction through slight wetting or drying as required, due to the high percentage of silt within the native soils at this Site. If free-draining and non-frost susceptible materials are required as backfill against basement walls and retaining walls, the use of fine-grained soils such as the native silty soils at the Site will not be appropriate and imported granular fills will be required. Suitable frost tapers will have to be incorporated into the backfill geometry if imported granular soils are used to backfill excavations. A final review and approval to reuse any soils should be made at the time of construction.

If imported materials are required to raise Site grades to design levels, then potential source Sites should be evaluated for geotechnical and environmental quality prior to acceptance. It is recommended that any proposed fill considered for reuse on the Site be comprised of clean earth material, free of topsoil and building rubble, and is at a moisture content ±2% of the laboratory optimum for compaction. Installation of engineered fill, where required, must be continuously monitored on a full-time basis by qualified geotechnical personnel.

5.2.2 Depth of Frost Penetration

The estimated depth of frost penetration at the Site is 1.4 m as per the OPSD 3090.101. It is recommended that foundations within unheated areas should be protected from frost effects by at least 1.4 m of earth cover or equivalent insulation. All exterior footings, footings beneath unheated areas, and foundations exposed to freezing temperatures should have at least such earth cover or equivalent synthetic insulation for frost protection.

The frost protection cover for perimeter foundations and interior footings within 1.2 m of perimeter walls for the proposed heated building can be reduced to 1.2 m or equivalent insulation. Frost protection cover is not required for interior foundations with the horizontal distance greater than 1.2 m from the perimeter of the heated building.

During winter construction exposed surfaces to support foundations must be protected against freezing by means of loose straw and tarpaulins, heating, etc.

5.2.3 Seismic Site Classification

The latest Ontario Building Code (OBC) requires the assignment of a Seismic Site Class for calculations of earthquake design forces and the structural design based on a two percent probability of exceedance in 50 years. According to the latest OBC, the Seismic Site Class is a function of soil profile and is based on the average properties of the subsoil strata to a depth of 30 m below the ground surface. The OBC provides the following three methods to obtain the average properties for the top 30 m of the subsoil strata:

– Average shear wave velocity.
– Average Standard Penetration Test (SPT) values (uncorrected for overburden).
– Average undrained shear strength.

For design purposes, based on the criteria listed in Table 4.1.8.4.A. of the OBC and the results obtained from standard penetration resistance of the underlying subsurface conditions and our knowledge of the regional geology, a Seismic Site Class ‘D’ can be used for the design of the proposed building.

5.2.4 Foundation Design

The Ontario Building Code (OBC 2012) requires buildings to be designed using Limit States Design considering Serviceability Limit States (SLS) and Ultimate Limit States (ULS). Structural drawings were not available at the time of this report and the recommendations provided in the following sections may need to be revised based on the detailed structural design.

The common practice for the SLS design of most structures and building foundations is to limit the total and differential foundation settlements to 25 mm and 19 mm, respectively. However, other serviceability criteria for the proposed building may be determined by the structural engineer considering tolerable settlement that would not restrict the use or operation of the facility.

It is understood that the proposed development will consist of a slab-on-grade three (3) storey building. Current grade elevation at the Site ranges from about 271.1 masl to 270.8 masl and the finished floor elevation is expected to be 270.6 masl.

Based on the available geotechnical data, it is expected that structural loading for the proposed building may be supported on spread and continuous strip footings placed on the undisturbed compact to very dense sand and silt native soils. Depths at which the compact to very dense native soils were encountered at boreholes BH1-23 to BH4-23 advanced within the proposed building areas is summarized in Table 11 below.

Table 11 Depth / Elevation to Compact Native Soils

Borehole ID	Minimum Founding Depth (mbgs)	Maximum Founding Elevation (masl)
BH1-24	0.8	270.0
BH2-23	0.8	269.9
BH3-23	0.8	270.3
BH4-23	1.5	269.2

Conventional strip footings and spread footings, placed on the compact to very dense native soils at or below the depths / Elevations provided in Table 11 above, may be designed using a geotechnical reaction at Serviceability Limit State (SLS) of 200 kPa and a factored (Ø=0.5) geotechnical resistance at Ultimate Limit State (ULS) of 290 kPa. Alternatively, footings placed on the compact to dense engineered fill constructed on Site can be proportioned using a maximum geotechnical pressure of 150 kPa at SLS and a factored geotechnical resistance at ULS of 225 kPa. These capacities assume a minimum footing width of 0.5 m, maximum footing width of 5.0 m and vertical and concentric loadings only.

The footing subgrade must be inspected following excavation to check that any unsuitable fill and organic soils or other unsuitable material have been removed. Proof-rolling of the footing subgrade will be required to identify any softened zones. Where any softened zones are present, sub-excavation is required to remove unsuitable materials, and the sub-excavated area should be backfilled with granular material meeting OPSS.PROV 1010 Granular A or Granular B Type II. It is recommended that all fill material be placed in thin lifts (not more than 200 mm thick) and thoroughly compacted to a minimum of 98 percent of the material's SPMDD.

The subgrade soils at the founding elevation will be susceptible to disturbance from construction traffic and/or ponded water. To limit this degradation, it is recommended that the subgrade be protected within four hours of preparation, inspection and approval of the subgrade for the proposed foundations. It is recommended that a 75mm thick concrete mud slab with lean concrete poured directly on the approved founding subgrade be incorporated into the design, in order to maintain the integrity of founding soils.

Where it is necessary to place footings at different levels, the upper footing must be founded below an imaginary 10 horizontal to 7 vertical line drawn up from the base of the lower footing. The lower footing must be installed first to help minimize the risk of undermining the upper footing.

5.2.4.1 Engineered Fill Construction for Footings

Footings (and foundation walls) placed on engineered fill must be suitably reinforced; as a minimum, and where not already specified in the design drawings, this reinforcing should use 2 continuous runs of 15M rebar throughout the footings, and 2 runs of 15M rebar throughout near the top and bottom of the foundation walls. Following approval of the fill material to be used as backfill by a geotechnical professional, the fill is to be placed in accordance with the following recommended procedure:

1. Remove any and all existing vegetation, topsoil, fill, organics, and organic-bearing soils to the competent, undisturbed native soil from within the area of the proposed engineered fill.
2. The area of the engineered fill should extend horizontally 1 m beyond the outside edge of the building foundations and then extend downward at a 1:1 slope to the competent native soil.
3. The base of the engineered fill area must be approved by a member of GHD prior to placement of any fill, to ensure that all unsuitable materials have been removed, that the materials encountered are similar to those observed, and that the subgrade is suitable for the engineered fill.
4. Place approved engineered fill, in maximum 200 mm lifts, compacted to 100 percent of its SPMDD. Any fill material placed under wet conditions should consist of an approved, rock-based fill, with the inclusion of appropriate geotextile fabric around the rock-based fill should the rock fill contain enough voids to warrant. Rock-based fill material should be compacted by a plate tamper and visually inspected by a geotechnical engineer to confirm appropriate compaction.
5. Full time testing and inspection of the engineered fill will be required, to ensure compliance with material and compaction specifications.

The engineered fill should not be placed during winter months when freezing ambient temperatures occur persistently or intermittently.

5.3 Floor Slab Construction

The floor of the proposed buildings should be supported on engineered fill or native compact to dense native soils. It is recommended that the existing unsuitable materials that may be present below the proposed floor slabs for the proposed buildings be removed and that grades after sub-excavation be inspected and heavily proof rolled. Any area observed to be soft / loose should be subexcavated and replaced with engineered fill. A qualified geotechnical engineer should review the condition of the subgrade beneath the proposed slabs.

The floor slabs should be formed over a base course consisting of at least 150 mm of Granular “A” backfill as per OPSS compacted to a minimum of 100 percent of its SPMDD underneath the slab-on-grade building or 150 mm of 19 mm angular clear stone material compacted by a plate tamper as per OBC requirements. All grade increases or infilling below the granular “A” or clearstone should be constructed in accordance with the engineered fill steps provided in **Section 5.2.4.1** of this report.

For the structural design of the concrete floor slabs constructed on over the native soils, a modulus of subgrade reaction coefficient (k) of 35 MPa/m can be used.

To minimize localized cracking due to potential differential settlement and concrete shrinkage, all floor slabs should be adequately reinforced. The potential for cracking can be further reduced by using a liberal jointing pattern and structural separations at walls and columns.

Perimeter drainage of the structures is recommended where there is pavement adjacent to the building faces or finished floor level of the structures is not at least 200 mm above the prevailing exterior grade level. Perimeter drains should consist of 150 mm diameter pipe, filter-wrapped, perforated pipe appropriately draining into a permanent frost-free outlet. Surface drainage should be directed away from the buildings.

5.3.1 Lateral Earth Pressure

Structures subject to unbalanced earth pressures such as shoring systems, elevator shaft walls, earth retaining walls and other similar structures must be designed to resist a pressure that can be calculated based on the following equation:

$P = K [\gamma(h-h_w) + \gamma ' h_w + q] + \gamma_w.h_w$

where:

P = the horizontal pressure at depth, h (m)

K = the earth pressure coefficient,

γ = the bulk unit weight of soil, (kN/m^3)

γ ' = the submerged unit weight of soil, (kN/m^3)

γ_w = the unit weight of water, (kN/m^3)

h_w = the depth below the groundwater level (m)

q = the surcharge loading (kPa)

Where elevated groundwater level is not anticipated to be present or a perimeter drainage system is used to eliminate hydrostatic pressures on the soil retaining structure, the above noted expression will be simplified as follows:

$P = K(\gamma h + q)$

If required and depending on the type of shoring used during construction, the temporary shoring system for excavation support can be designed for the lateral earth pressures given in Section 20 of the Canadian Foundation Engineering Manual (CFEM 2023). Surcharge loads and hydrostatic pressures should be considered as appropriate.

Based on the subsurface conditions encountered at the Site, the following design parameters may be used for the design of the soil retaining structures:

Table 12 Soil Parameters and Earth Pressure Coefficients

Soil	Φ	γ (kN/m^3)	K_a	K_o	K_p
OPSS Granular A or B Compacted	34	20	0.28	0.44	3.54
Earth Fill	28	19	0.36	0.53	2.77
Dense to Very Dense Native Silty Sand or Sand and Silt	32	19	0.31	0.47	3.25
Note: Values given for horizontal earth pressures are for horizontal backfill behind the walls/supports as well as vertical back face of the wall and smooth wall-backfill interface. For sloping backfill, the design requirements outlined in the CFEM (2023) should be used.					

For yielding walls, the active earth pressure coefficient K_a is recommended to be used. For non-yielding wall, the at-rest pressure coefficient K_0 should be used. It is to be noted that large deformation will be required prior to the full mobilization of passive earth pressure. Therefore, a factor of safety is required to be applied with passive earth pressure for design purposes.

5.3.2 Site Servicing

The native soils encountered at the Site at the expected site servicing depth are considered suitable to support underground service lines. The suitability of the subgrade to provide adequate support for buried services must be verified and confirmed on site by qualified geotechnical personnel experienced in such works.

The subgrade soils used to support the service pipes, should be visually inspected. Wet, loose, or otherwise unsuitable fill should be sub-excavated and replaced with bedding materials or clean fills compacted to minimum of 95 percent SPMDD.

The bedding for trenched (open cut) services should consist of well graded materials. The bedding should have a minimum thickness of 150 mm below the pipe and 300 mm above and adjacent to the pipe and should comply with the Ontario Provincial Standard Drawing Section 800 applicable on both the building interior and the exterior where the mat slab will bear over the services.

Where wet conditions are encountered, the use of 'clear stone' bedding (such as 19 mm clear stone, OPSS 1004) may be considered, only in conjunction with a suitable geotextile filter and proper compaction. Without proper filtering, there may be entry of fines from the existing native soils and trench backfill into the bedding. This loss of fine soil particles could result in loss of support to the pipes and possible surface settlements.

5.3.3 Pavement Design

Based on the results of this investigation, the following procedures are recommended to be implemented to prepare the proposed asphalt paved access way and parking areas for its construction:

1. Remove all topsoil, organics, organic-bearing materials, existing asphalt, fill and other deleterious materials from the planned pavement areas to a minimum depth to allow for the new pavement structure at which point an assessment of the exposed soils by a member of GHD will deem whether further removal and / or placement of suitable geotextile material or other treatment is required.
2. Inspect and proof roll the subgrade for the purpose of detecting possible zones of overly wet or soft subgrade. Any deleterious areas thus delineated should be replaced with approved granular material compacted to a minimum of 98 percent of its SPMDD.
3. If further stabilization of the pavement subgrade is deemed necessary, either subexcavate to suitable soils and backfill with approved granular material compacted to 98 percent SPMDD or place woven geotextile such as Terrafix 200W or Mirafi HP270 on the exposed pavement subgrade surface after its approval and prior to placement of any subsequent fill.
4. Contour the subgrade surface to prevent ponding of water during the construction and to promote rapid drainage of the sub-base and base course materials.
5. To maximize drainage potential, 150 mm diameter perforated pipe subdrains should be installed below any curb lines. The pipe should be encased in filter fabric and surrounded by clear stone aggregate. It is recommended that the subdrains discharge to a suitable, frost-free outlet.
6. Construct transitions between varying depths of granular base materials at a rate of 1:10 minimum.

The subgrade materials in the proposed pavement areas will consist of sand and silt soils. The frost susceptibility of these soils is assessed as being generally moderate. In this regard, the following minimum flexible pavement structures are recommended for the construction of the new access and parking areas.

Table 13 Recommended Pavement Design (Flexible Pavement Structure)

Pavement Structure Elements	Compaction Requirement	Layer Thicknesses (mm)	
		Light Duty	Heavy Duty
Asphalt Surface OPSS 1150 HL3 Hot Mix	OPSS 310, Table 8	40	40
Asphalt Base OPSS 1150 HL8 HS Hot Mix	OPSS 310, Table 8	50	90
Base Course OPSS MUNI 1010 Granular A or 19 00 Crushed Run Stone	100 % SPMDD	150	150
Sub-base Course OPSS MUNI 1010 Granular B Type II or 50mm Crusher Run Stone	100 % SPMDD	300	400

The following steps are recommended for optimum construction of paved areas:

1. The Granular “A” and “B” courses should be compacted to a 100 percent of their respective SPMDDs.
2. All asphaltic concrete courses should be placed, spread and compacted conforming to OPSS 310 or equivalent. All asphaltic concrete should be compacted to a minimum 92.0 percent of their respective laboratory Maximum Relative Densities (MRD’s).
3. Adequate drainage should be provided to ensure satisfactory pavement performance.

It is recommended that all fill material be placed in uniform lifts not exceeding 200 mm in thickness before compaction. It is suggested that all granular material used as fill should have an in-situ moisture content within 2 percent of their optimum moisture content. All granular materials should be compacted to 100 percent SPMDD. Granular materials should consist of Granular “A” and “B” conforming to the requirements of OPSS 1010 or equivalent.

The performance of the pavement structure is highly dependent upon the subgrade support conditions. Stringent construction control procedures should be maintained to ensure that uniform subgrade moisture and density conditions are achieved as much as practically possible. It is noted that the above recommended pavement structures are for the end use of the project. The most severe loading conditions on pavement areas and the subgrade may occur during construction. As such, during construction of the project, the recommended granular depths may not be sufficient to support loadings encountered. Consequently, special provisions such as restricted lanes, half-loads during paving, etc. may be required, especially if construction is carried out during unfavourable weather.

5.3.4 Excavation and Temporary Shoring

The Occupational Health and Safety Act (OHSA) regulations require that if works must enter an excavation deeper than 1.2 m, the excavation must be suitably sloped and/or braced in accordance with the OHSA requirements. OHSA specifies maximum slope of the excavations for four broad soil types as summarized in the following table:

Table 14 Soil Types and Slope Information

Soil Type	Base of Slope	Maximum Slope Inclination
1	Within 1.2 metres of bottom	1 horizontal to 1 vertical
2	Within 1.2 metres of bottom of trench	1 horizontal to 1 vertical
3	From bottom of excavation	1 horizontal to 1 vertical
4	From bottom of excavation	3 horizontal to 1 vertical

The native soils underlying the Site are considered Type 3 soils above groundwater level, and Type 4 if affected by surface water or groundwater seepage. If the above recommended excavation side slopes cannot be maintained due

to lack of space or any other reason, the excavation side slopes must be supported by an engineered shoring system. The shoring system should be designed in accordance with CFEM 2023 and the current OHSA Regulations for Construction Projects.

It is anticipated that excavation for foundation and utility installations can be made with conventional equipment. The presence of various cobbles and large boulders should be expected within the native soils.

An examination of the slopes should be carried out by qualified soils personnel before any worker enters the excavation. The exposed fill material and native soil should be protected against erosion from water run-off or rain.

5.3.5 Sulphate Attack and Corrosion Potential of Soils

Corrosivity analysis was carried out on a total of two (2) select soil samples (one from each of BH2-23 and BH3-23) to determine the potential for sulphate attack on buried concrete structures, and corrosion potential on buried ductile iron pipes and metal appurtenances at the Site. However, it is ultimately up to the designer to determine the appropriate construction materials, including the exposure class and ensuring that all aspects of the CSA A23.1-14 Section 4.1.1 “Durability Requirements” are followed when designing buried concrete elements.

The results of the corrosivity analyses conducted are provided in the sections below.

5.3.5.1 Sulphate Attack

The potential for sulphate attack on concrete (class of exposure) is determined using Table 3 of the Canadian Standards Association (CSA) document A23.1 19/A23.2 19 'Concrete Materials and Methods of Concrete Construction/Methods of Test and Standard Practices for Concrete', which divides the degree of exposure into the following three (3) classes:

Table 15 Concrete Exposure Class

Degree (Class) of Exposure	Water Soluble Sulphate (SO_4) in Soil Sample (%)
Very Severe (S-1)	> 2.0
Severe (S-2)	0.20 – 2.0
Moderate (S-3)	0.10 – 0.20

Laboratory testing for soluble sulphate content was carried out on soil samples from two (2) boreholes (BH2-23 and BH3-23) advanced during this investigation, and the results are summarized in the table below:

Table 16 Summary of Water-Soluble Sulphate Test Results

Borehole No.	Sulphate (%)	Class of Exposure
BH2-23 / SS3	0.0109	Below S-3
BH3-23 / SS5	0.0041	Below S-3

The water-soluble sulphate test results, provided in **Appendix G,** are summarized in the table above and shows that the measured soluble sulphate content in the tested soil samples from boreholes BH2-23 and BH3-23 is below 0.10 percent, indicative of below ‘Moderate’ degrees of exposure of buried concrete to sulphate attack. Therefore, for below grade structures in contact with soils in proximity of these boreholes, Type General Use (GU) Portland Cement should be used.

5.3.5.2 Corrosion Potential

Two (2) soil samples were submitted for analysis of parameters used to assess the potential corrosivity of the Site soil to buried ductile iron pipes and metal appurtenances. The American Water Works Association (AWWA) publication 'Polyethylene Encasement for Ductile-Iron Pipe Systems' ANSI/AWWA C105/A21.5-10 dated October 1, 2010 assigns points based on the results of the tested parameters. Soil that has a total point score of 10 or more is considered to be potentially corrosive to ductile iron pipes. **Table 16** below summarizes the ANSI / AWWA rating of the tested samples and their potential for corrosion towards buried grey or ductile cast iron pipes:

Table 17 Corrosivity Potential on Ductile Iron Pipes

Sample ID	Parameters					Total Points	Corrosivity Potential
	pH @25°C	Resistivity (ohm-cm)	REDOX potential (mV)	Moisture (%)	Sulphides (µg/g)		
BH2-23 / SS3	7.74	3070	238	9	<0.3	3	No
BH3-23 / SS5	7.77	15000	238	5	<0.3	3	No

The tested samples from boreholes BH2-23 and BH3-23 were assigned 3 points based on the ANSI / AWWA rating system and are not considered to be potentially corrosive to grey ductile and cast iron pipes.

5.3.6 Construction Monitoring

The foundation installations and any Engineered Fill placement must be closely monitored and inspected by qualified personnel to ensure consistency with the design bearing. The on-site review of the condition of the foundation soil as the foundations are constructed is an integral part of the geotechnical design function and is required by Section 6.2.2 of the Ontario Building Code 2012.

Qualified Geotechnical personnel should inspect and test all stages of the proposed development. Specifically, they should ensure that the materials and conditions comply with this geotechnical assessment report. In addition, qualified geotechnical personnel should provide material testing services prior to and during backfilling and/or grade raising operation. Should soil conditions be encountered that vary from those described in this report, our office should be informed immediately such that the proper measures are undertaken.

6. Conclusions and Closure

Supporting data upon which our recommendations are based have been presented in the foregoing sections of this report and are governed by the physical properties of the subsurface materials that were encountered at the Site and assume that they are representative of the overall Site conditions.

It is our opinion, based upon the conceptual plan provided, that the results of this hydrogeological and geotechnical investigation support the re-development of the Site with a three-storey mosque building. The proposed development will be municipally serviced for water and sewer.

We trust this report meets your immediate needs. Should any questions arise regarding any aspect of our report, please contact our office.

All of Which is Respectfully Submitted,

GHD

Leandro Ramos, P.Eng.
Senior Geotechnical Engineer

Robert Neck, P.Geo. (Limited)
Senior Geoscientist, Project Director

Limitations of the Investigation

This report is intended solely for Darul-Khair Center Stouffville and their designers and is prohibited for use by others without GHD's prior written consent. This report is considered GHD's professional work product and shall remain the sole property of GHD. Any unauthorized reuse, redistribution of or reliance on the report shall be at the Client and recipient's sole risk, without liability to GHD. No portion of this report may be used as a separate entity; it is to be read in its entirety and shall include all supporting drawings and appendices.

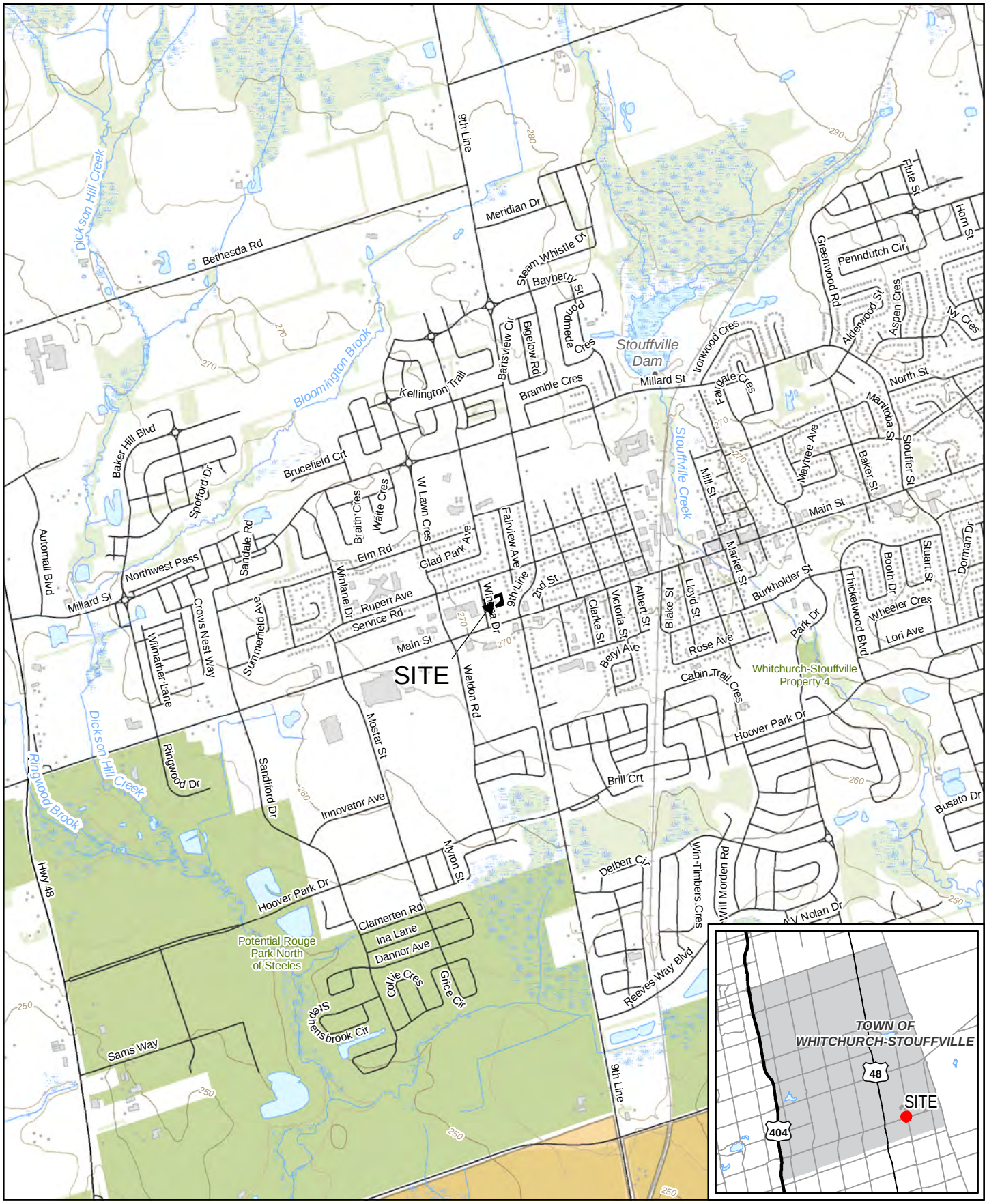
The recommendations made in this report are in accordance with our present understanding of the project, the current site use, ground surface elevation and conditions, and are based on the work scope approved by the Client and described in the report. The services were performed in a manner consistent with that level of care and skill ordinarily exercised by members of geotechnical engineering professions currently practicing under similar conditions in the same locality. No other representations, and no warranties or representations of any kind, either expressed or implied, are made. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties.

All details of design and construction are rarely known at the time of completion of a geotechnical or hydrogeological assessment. The recommendations and comments made in the study report are based on our subsurface investigation and resulting understanding of the project, as defined at the time of the study. We should be retained to review our recommendations when the drawings and specifications are complete. Without this review, GHD will not be liable for any misunderstanding of our recommendations or their application and adaptation into the final design.

By issuing this report, GHD is the geotechnical engineer of record. It is recommended that GHD be retained during construction of all foundations and during earthwork operations to confirm the conditions of the subsoil are actually similar to those observed during our study. The intent of this requirement is to verify that conditions encountered during construction are consistent with the findings in the report and that inherent knowledge developed as part of our study is correctly carried forward to the construction phases.

It is important to emphasize that a soil investigation is, in fact, a random sampling of a site and the comments included in this report are based on the results obtained at the test locations only. The subsurface conditions confirmed at the test locations may vary at other locations. The subsurface conditions can also be significantly modified by the construction activities on site (e.g., excavation, dewatering and drainage, blasting, pile driving, etc.). These conditions can also be modified by exposure of soils or bedrock to humidity, dry periods or frost. Soil and groundwater conditions between and beyond the test locations may differ both horizontally and vertically from those encountered at the test locations and conditions may become apparent during construction which could not be detected or anticipated at the time of our investigation. Should any conditions at the site be encountered which differ from those found at the test locations, we request that we be notified immediately in order to permit a reassessment of our recommendations. If changed conditions are identified during construction, no matter how minor, the recommendations in this report shall be considered invalid until sufficient review and written assessment of said conditions by GHD is completed.

Figures



1 cm = 200 meters

0 100 200 300 400

Metres

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

N

GHD

DARUL-KHAIR CENTER STOUFFVILLE
PROPOSED MOSQUE
27 WINONA DRIVE, WHITCHURCH-STOUFFVILLE, ONTARIO

GEOTECH / HYDROG ASSESSMENT

SITE LOCATION MAP

Project No. 12623499
Revision No. -
Date April 2024

FIGURE 1

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Print date: 29 Nov 2023 - 14:48

1 cm = 7 meters

0 5 10 15 20

Meters

Map Projection: Mercator Auxiliary Sphere
Horizontal Datum: WGS 1984
Grid: WGS 1984 Web Mercator Auxiliary Sphere

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27 WINONA DRIVE, WHITCHURCH-STOUFFVILLE, ONTARIO

GEOTECH / HYDROG ASSESSMENT

TEST HOLE PLAN

Project No. **12623499**
Revision No. **-**
Date **Aug 27, 2024**

FIGURE 2

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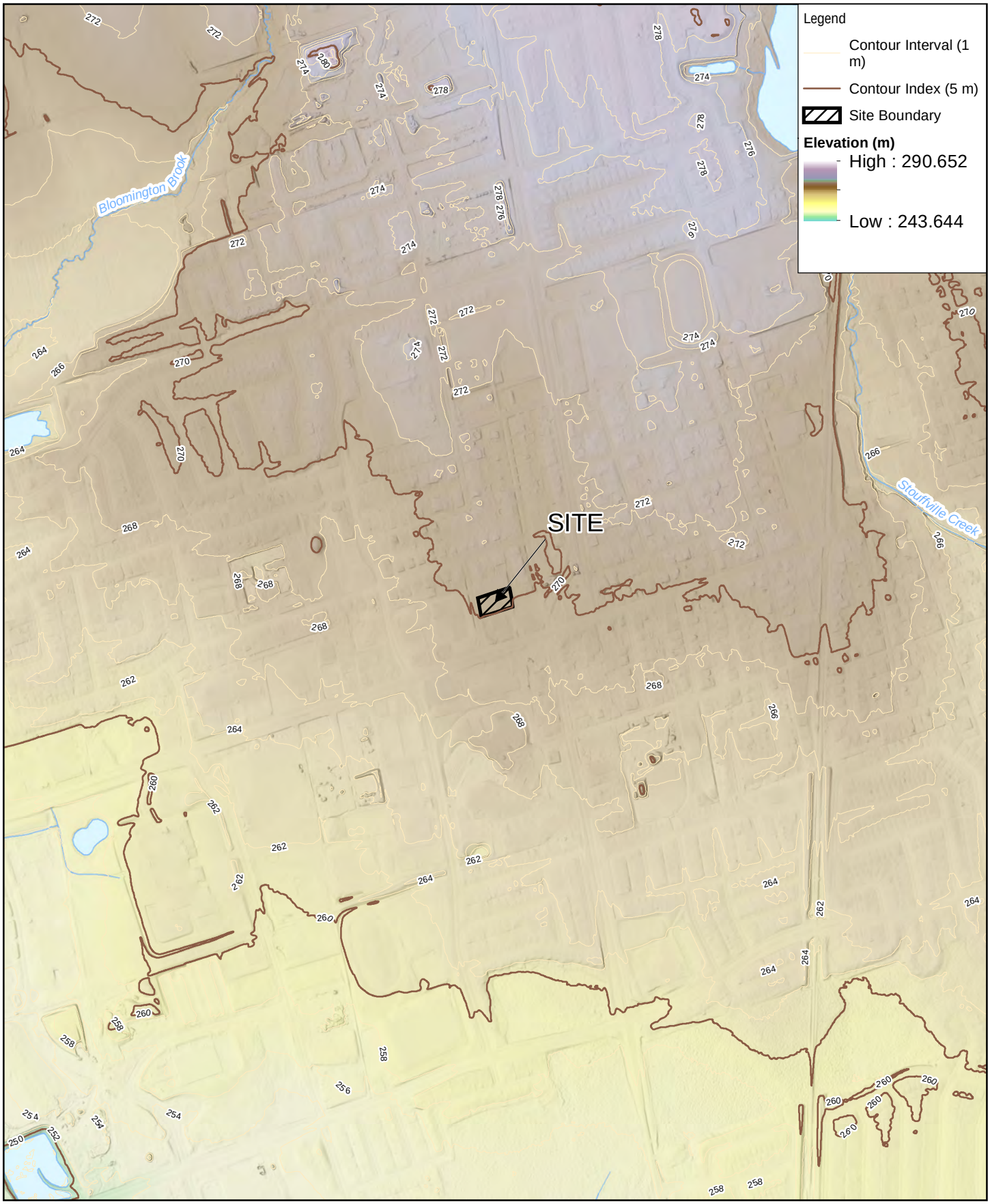

1 cm = 100 meters

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Metres

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

N

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DARUL-KHAIR CENTER STOUFFVILLE
PROPOSED MOSQUE
27 WINONA DRIVE, WHITCHURCH-STOUFFVILLE, ONTARIO

GEOTECH / HYDROG ASSESSMENT

REGIONAL TOPOGRAPHY

Project No. 12623499
Revision No. -
Date April 2024

FIGURE 3

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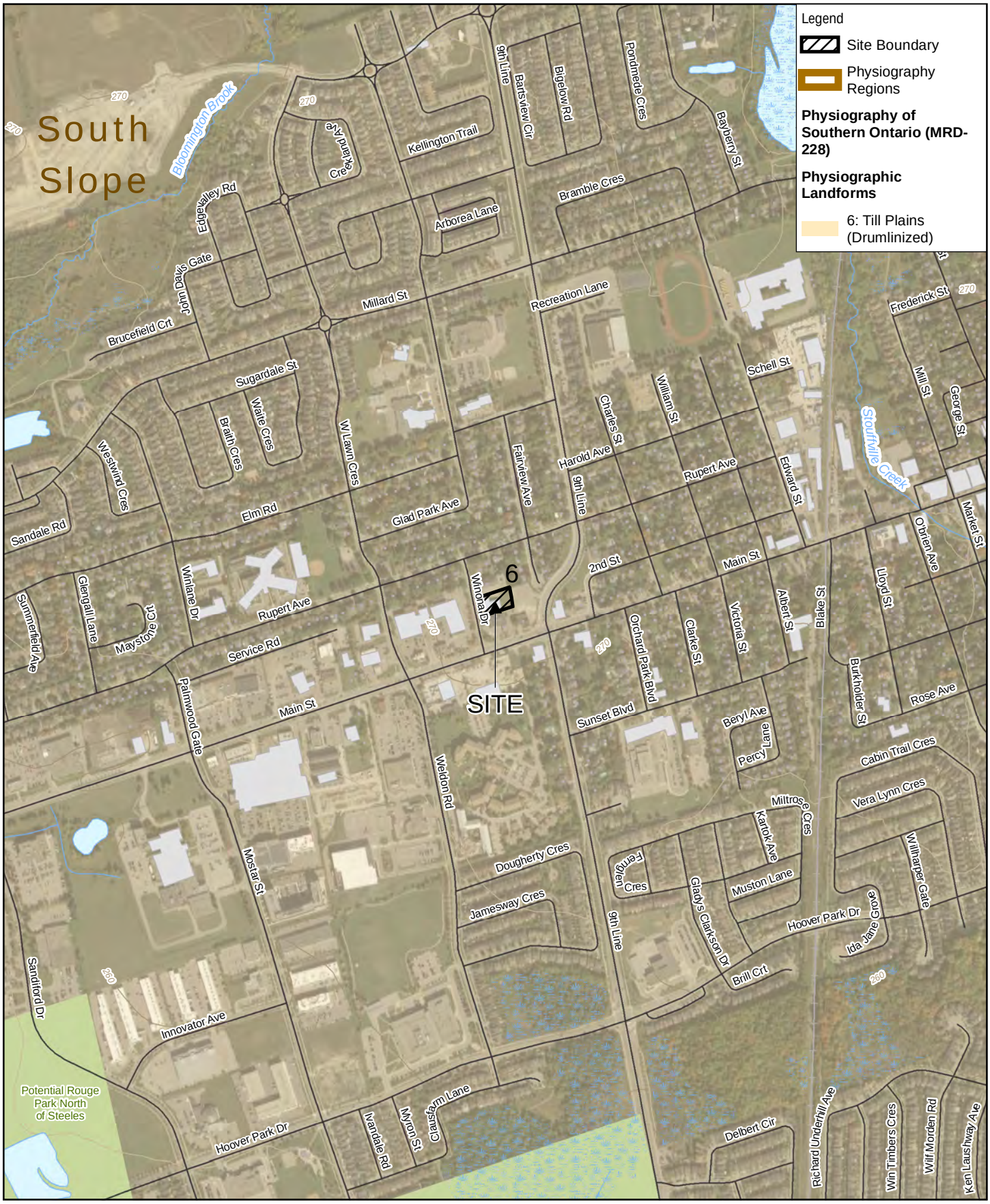

1 cm = 100 meters

0 100 200 300 400

Metres

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

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DARUL-KHAIR CENTER STOUFFVILLE
PROPOSED MOSQUE
27 WINONA DRIVE, WHITCHURCH-STOUFFVILLE, ONTARIO

GEOTECH / HYDROG ASSESSMENT
PHYSIOGRAPHY

Project No. 12623499
Revision No. -
Date April 2024

FIGURE 4

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Print date: 29 Nov 2023 - 14:54

Legend

Site Boundary

Surficial Geology of Southern Ontario (MRD128-REV)

RECENT

20: Organic deposits: *Peat, muck, marl*

PLEISTOCENE

8: Fine-textured glaciolacustrine deposits: *Silt andclay, minor sand and gravel*
8a Massive to well laminated
8b Interbedded silt and clay and gritty, pebbly flow till and rainout

5d: Clay to silt-textured till *Clay to silt-textured till (derived from glaciolacustrine deposits or shale)*

1 cm = 100 meters

0 100 200 300 400

Metres

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

N

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DARUL-KHAIR CENTER STOUFFVILLE
PROPOSED MOSQUE
27 WINONA DRIVE, WHITCHURCH-STOUFFVILLE, ONTARIO

GEOTECH / HYDROG ASSESSMENT

SURFICIAL GEOLOGY

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Date April 2024

FIGURE 5

Q:\GIS\PROJECTS\12623000s\12623499\GIS\Maps\Deliverables\202311_HydrogeologicalAssessment\12623499_005_SurficialGeology.mxd
Print date: 29 Nov 2023 - 15:41

Data source: MNDMNRF NRVIS, 2021. Produced by GHD under licence from Ontario Ministry of Natural Resources and Forestry, © King's Printer 2023. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 128 – Revised.

1 cm = 100 meters

0 100 200 300 400

Metres

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

N

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DARUL-KHAIR CENTER STOUFFVILLE
PROPOSED MOSQUE
27 WINONA DRIVE, WHITCHURCH-STOUFFVILLE, ONTARIO

GEOTECH / HYDROG ASSESSMENT

QUATERNARY GEOLOGY

Project No. 12623499
Revision No. -
Date April 2024

FIGURE 6

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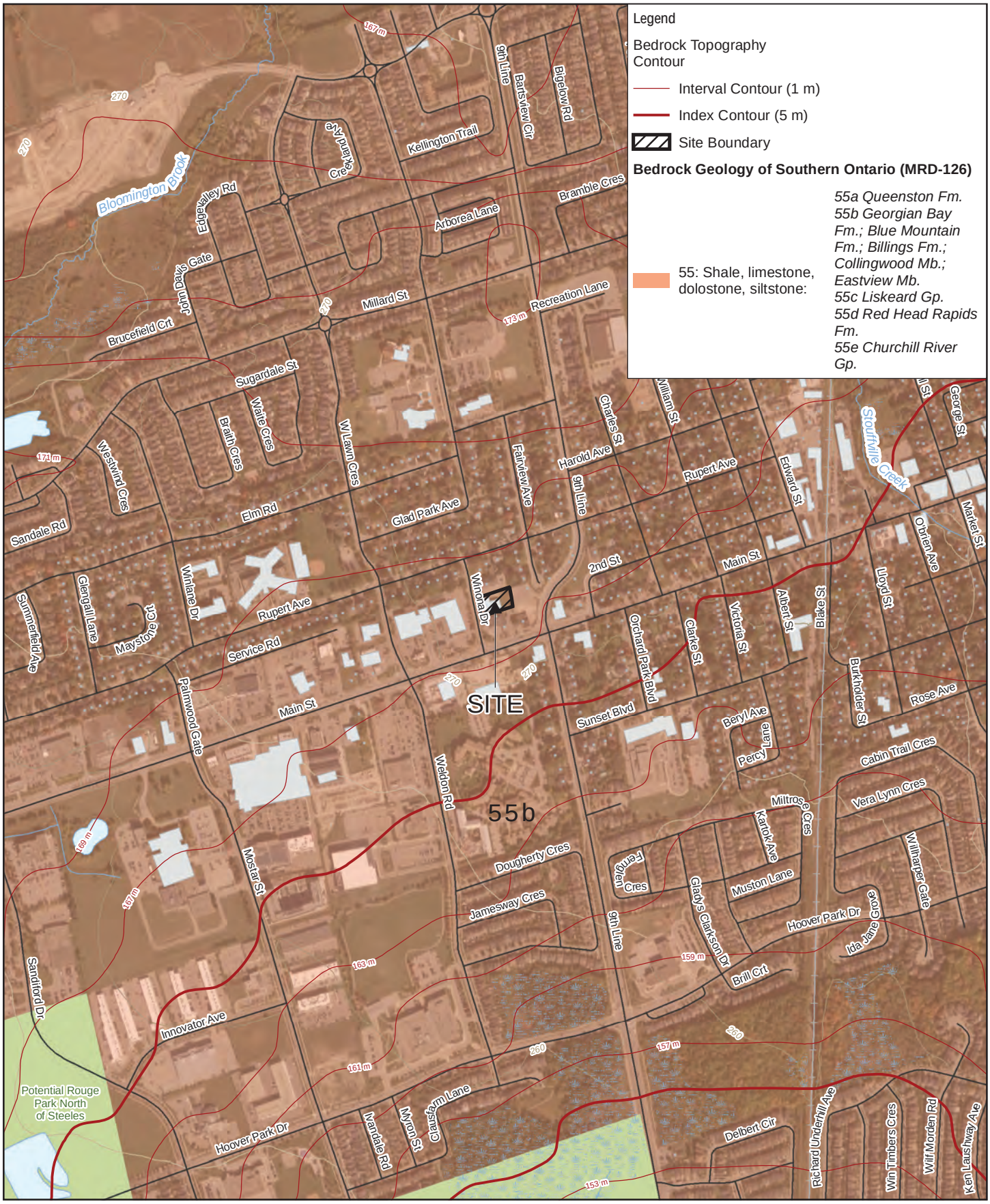
Print date: 29 Nov 2023 - 15:46

Data source: MNDMNRF NRVIS, 2021. Produced by GHD under licence from Ontario Ministry of Natural Resources and Forestry, © King's Printer 2023. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 128 – Revised.



DARUL-KHAIR CENTER STOUFFVILLE
PROPOSED MOSQUE
27 WINONA DRIVE, WHITCHURCH-STOUFFVILLE, ONTARIO

GEOTECH / HYDROG ASSESSMENT

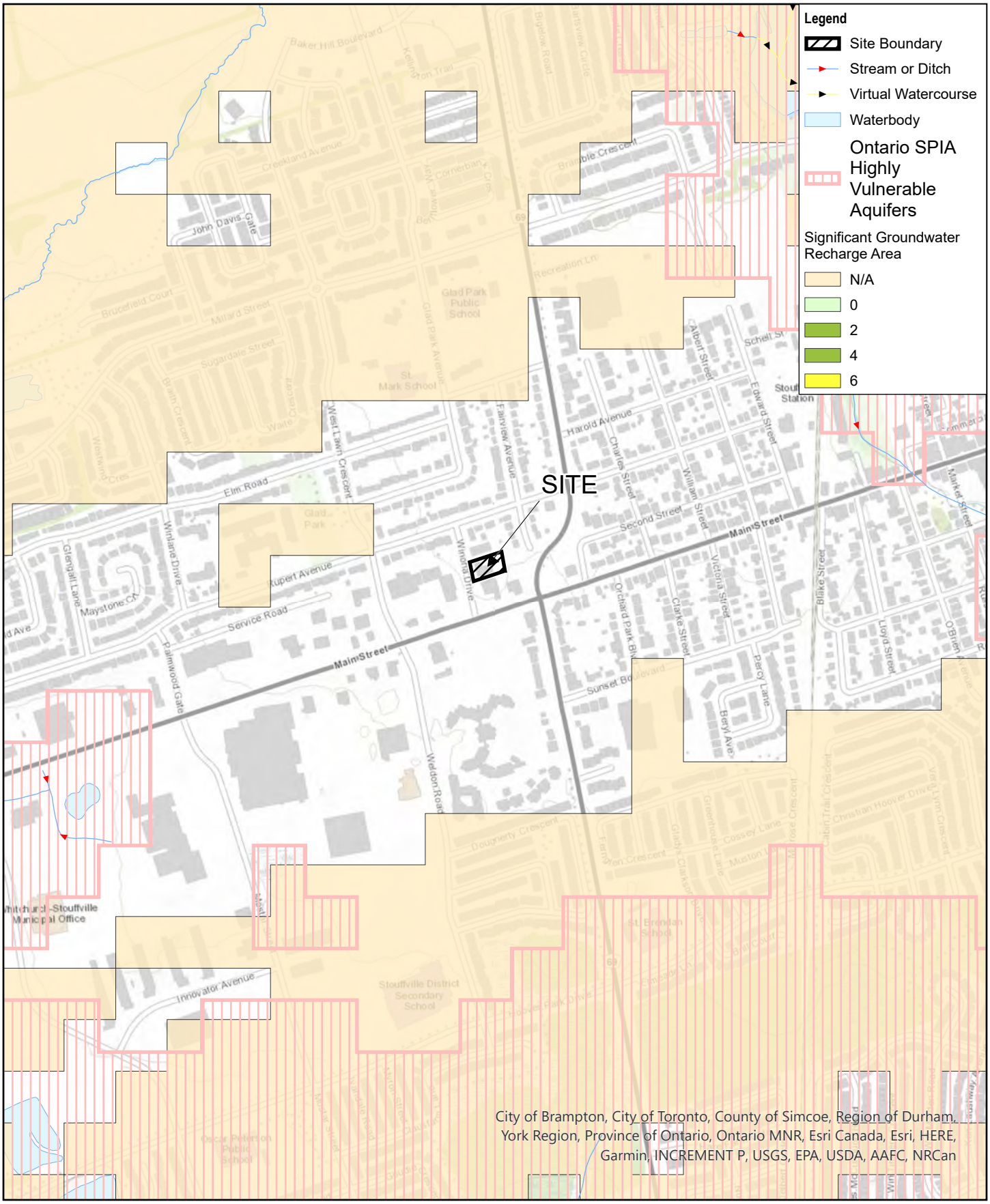
BEDROCK GEOLOGY

Project No. 12623499
Revision No. -
Date April 2024

FIGURE 7

Q:\GIS\PROJECTS\12623000s\12623499\GIS\Maps\Deliverables\202311_HydrogeologicalAssessment\12623499_007_BedrockGeology.mxd
Print date: 29 Nov 2023 - 15:57

Data source: MNDMNRF NRVIS, 2021. Produced by GHD under licence from Ontario Ministry of Natural Resources and Forestry, © King's Printer 2023. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 128 – Revised.



1cm = 200 meters

0 100 200 300 400

Metres

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

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DARUL-KHAIR CENTER STOUFFVILLE
PROPOSED MOSQUE
27 WINONA DRIVE, WHITCHURCH-STOUFFVILLE, ONTARIO
GEOTECH / HYDROG ASSESSMENT

SOURCE PROTECTION

Project No. **12623499**
Revision No. **-**
Date **April 2024**

FIGURE 8

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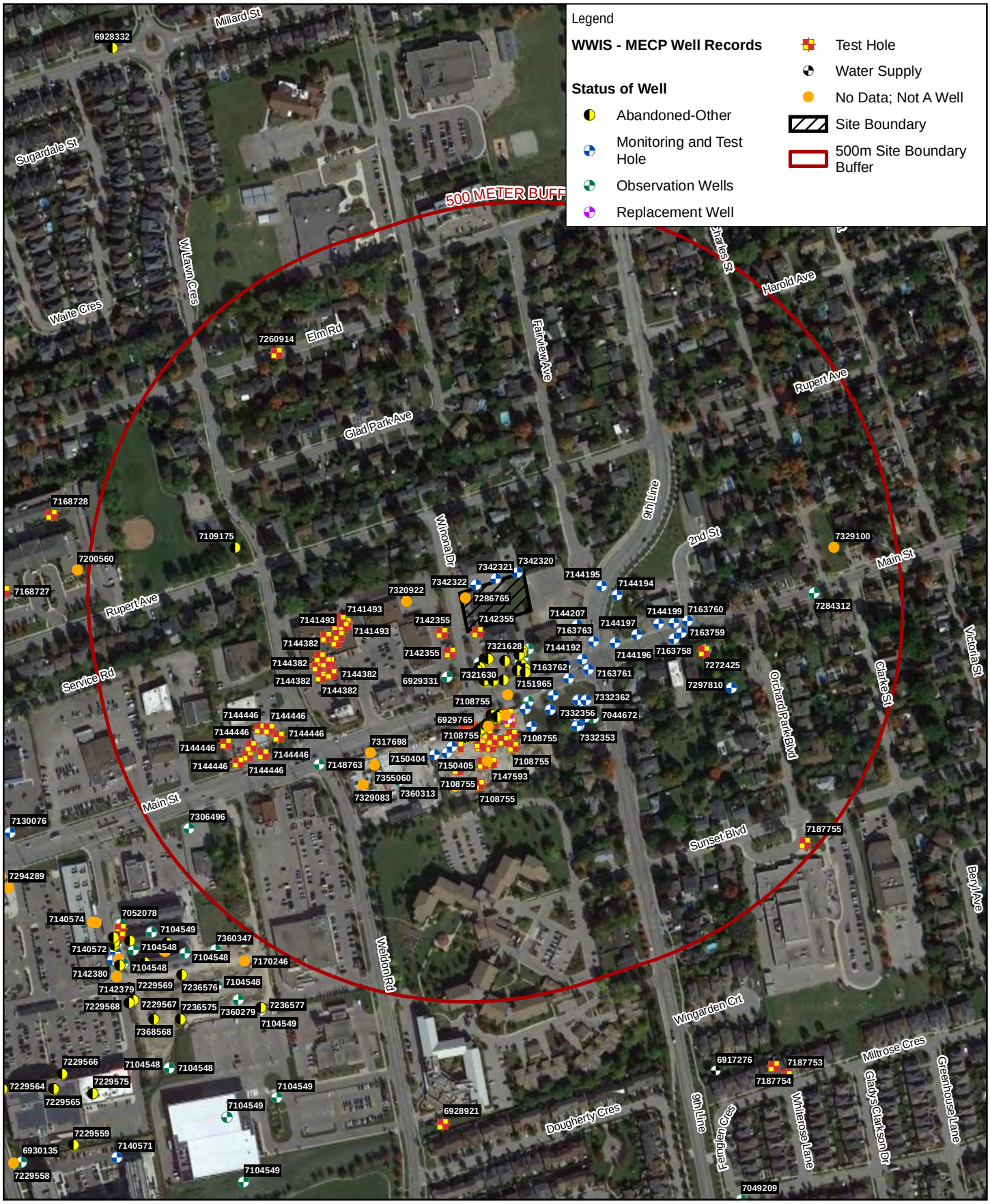
Appendices

Appendix A

MECP Well Records



1 cm = 50 meters

0 20 40 60 80

Metres

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

N

GHD

DARUL-KHAIR CENTER STOUFFVILLE
PROPOSED MOSQUE
27 WINONA DRIVE, WHITCHURCH-STOUFFVILLE, ONTARIO

GEOTECH / HYDROG ASSESSMENT
MECP WATER WELL RECORDS

Project No. 12623499
Revision No. -
Date April 2024

APPENDIX A

Q:\GIS\PROJECTS\12623000s\12623499\GIS\Maps\Deliverables\202311_HydrogeologicalAssessment\12623499_009_MECPMonitoringWells.mxd
Print date: 04 Dec 2023 - 13:53

MECP WELL RECORD LISTINGS

Ministry of the Environment, Conservation & Parks (MECP)

17

Easting:	610842.10
Northing:	4853474.00
Elev (masl):	269.61

Latitude: 43.969162
Longitude: -79.260199

Well ID: 6928217

LOCATION

Lot:	001	**Tag:**	A011695
Con:	08	**Audit No:**	Z15076
Municipality:	YORK	**Contractor License:**	7230
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	06/07/2004
Street:	5892 MAIN STREET	**Received Date:**	09/10/2004
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	6
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	Boring	**Water Kind:**	FRESH

PUMP TEST

Test Method:		**Pipe ID:**	
Pump Set (m):		**Pump Test ID**	
SWL (ft)		**Flowing:**	
Final Level:		**Pump Duration (hr):**	
Pump Rate:		**Pump Duration (m):**	
Recom. Rate:			

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	930853632	5	cm	PLASTIC	0	3.04	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	BLACK	0	0.5	m
2	FILL	LOOSE	n/a	BROWN	0.5	1.5	m
3	SAND	SILT	DENSE	BROWN	1.5	2.1	m
4	SAND	SILT	DENSE	BROWN	2.1	6	m

End of Record

17

Easting:	612322.00
Northing:	4877946.00
Elev (masl):	270.39

Latitude: 43.969014
Longitude: -79.258783

Well ID: 6929331

LOCATION

Lot:	n/a	**Tag:**	A019778
Con:	n/a	**Audit No:**	Z33940
Municipality:	YORK	**Contractor License:**	7215
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	08/22/2005
Street:		**Received Date:**	09/08/2005
City:	n/a		

WELL

Well Status:	Observation Wells	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:	Other Method	**Water Kind:**	

PUMP TEST

Test Method:		**Pipe ID:**	
Pump Set (m):		**Pump Test ID**	
SWL (ft)		**Flowing:**	
Final Level:		**Pump Duration (hr):**	
Pump Rate:		**Pump Duration (m):**	
Recom. Rate:			

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	930873279	2	inch	PLASTIC	0	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

End of Record

17

Easting:	621773.80
Northing:	4884050.00
Elev (masl):	270.25

Latitude: 43.968532
Longitude: -79.25847

Well ID: 6929765

LOCATION

Lot: n/a
Con:
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A036570
Audit No: Z40512
Contractor License: 7241
Well Completion Date: 11/28/2005
Received Date: 01/10/2006

WELL

Well Status: Abandoned-Other
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Other Method

Well Depth (m): 7.01
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
1	930878649	3.81	cm	PLASTIC	0	4.27 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	n/a	n/a	BLACK	0	0.3 m
2	SAND	SILT	SOFT	BROWN	0.3	3.1 m
3	SAND	SILT	DENSE	BROWN	3.1	5.49 m
4	CLAY	SAND	DENSE	GREY	5.49	7.01 m

End of Record

18

Easting:	410249.00
Northing:	4998916.00
Elev (masl):	270.00

Latitude: 43.968627
Longitude: -79.257024

Well ID: 7044672

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 12238, 9TH LINE YORK
City: STOUFFVILLE

Tag: A056717
Audit No: Z66272
Contractor License: 7241
Well Completion Date: 05/22/2007
Received Date: 06/14/2007

WELL

Well Status: Observation Wells
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Other Method

Well Depth (m): 4.88
Depth to Bedrock (m): n/a
Depth to Water:
Water Kind:

TEST

Test Method:
Pump Set (m):
SWL (ft)

Pipe ID:
Pump Test ID
Flowing:

PUMP

Final Level: **Pump Duration (hr):**
Pump Rate: **Pump Duration (m):**
Recom. Rate:

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	930900548	3.17	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	TOPSOIL	DRY	SOFT	BLACK	0	0.91 m
2	SAND	SILT	SOFT	BROWN	0.91	3.66 m
3	SAND	SILT	SOFT	BROWN	3.66	4.88 m

End of Record

17

Easting:	639753.00
Northing:	4869881.00
Elev (masl):	270.35

Latitude: 43.968783
Longitude: -79.257805

Well ID: **7051494**

LOCATION

Lot: 035 **Tag:** A062755
Con: 08 **Audit No:** Z69484
Municipality: YORK **Contractor License:** 6946
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP) **Well Completion Date:** 10/02/2007
Street: 5991 MAIN ST. **Received Date:** 10/25/2007
City: STOUFFVILLE

WELL

Well Status: Observation Wells **Well Depth (m):** 7
Prim. Use: n/a **Depth to Bedrock (m):** n/a
Sec. Use: n/a **Depth to Water:** m
Boring Method: Rotary (Convent.) **Water Kind:** FRESH

PUMP TEST

Test Method: n/a **Pipe ID:** 1000010004
Pump Set (m): n/a **Pump Test ID** 1000010005
SWL (ft) n/a **Flowing:** n/a
Final Level: n/a m **Pump Duration (hr):** n/a
Pump Rate: n/a LPM **Pump Duration (m):** n/a
Recom. Rate: n/a LPM

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
0	1000010014	0.052	cm	PLASTIC	n/a	6.2 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	LOOSE	BROWN	0	0.3 m
2	SAND	n/a	LOOSE	BROWN	0.3	5 m
3	SAND	n/a	DENSE	GREY	5	7 m

End of Record

17

Easting:	612169.00
Northing:	5074309.00
Elev (masl):	270.15

Latitude: 43.968673
Longitude: -79.258257

Well ID: **7108755**

LOCATION

Lot: n/a **Tag:** A075783
Con: n/a **Audit No:** M01856
Municipality: YORK **Contractor License:** 7320
Township: STOUFFVILLE VILLAGE **Well Completion Date:** 06/25/2008
Street: 5945 MAIN STREET **Received Date:** 07/28/2008
City: STOUFFVILLE

WELL

Well Status: Test Hole **Well Depth (m):** 7.6
Prim. Use: n/a **Depth to Bedrock (m):** n/a
Sec. Use: n/a **Depth to Water:** m
Boring Method: n/a **Water Kind:** FRESH

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1002776904
Pump Set (m):	n/a	**Pump Test ID**	1002776844
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776924	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776870	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776852	n/a	n/a	PLASTIC	n/a	3	m
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6	m
1	1002777021	5.1	cm	PLASTIC	0	4.6	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	SAND	GRAVEL	n/a	BROWN	0	0.6	m
2	SAND	SILT	n/a	BROWN	0.6	2.7	m
3	SILT	STONES	DENSE	BROWN	2.7	4	m
4	SAND	n/a	n/a	BROWN	4	4.9	m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.15

Latitude: 43.968679
Longitude: -79.258057

Well ID: **7108755**

LOCATION

Lot:	n/a	**Tag:**	A075783
Con:	n/a	**Audit No:**	M01856
Municipality:	YORK	**Contractor License:**	7320
Township:	STOUFFVILLE VILLAGE	**Well Completion Date:**	06/24/2008
Street:	5945 MAIN STREET	**Received Date:**	07/28/2008
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	n/a	**Water Kind:**	FRESH

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1002776886
Pump Set (m):	n/a	**Pump Test ID**	1002776954
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776924	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776870	n/a	n/a	PLASTIC	n/a	4.6	m

0	1002776852	n/a	n/a	PLASTIC	n/a	3	m
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6	m
1	1002777021	5.1	cm	PLASTIC	0	4.6	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	SAND	GRAVEL	n/a	BROWN	0	0.6	m
2	SAND	SILT	n/a	BROWN	0.6	2.7	m
3	SILT	STONES	DENSE	BROWN	2.7	4	m
4	SAND	n/a	n/a	BROWN	4	4.9	m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.00

Latitude: 43.968606
Longitude: -79.258034

Well ID: 7108755

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag: A075783
Audit No: M01856
Contractor License: 7320
Well Completion Date: 06/26/2008
Received Date: 07/28/2008

WELL

Well Status: 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: FRESH

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1002776922
Pump Test ID 1002776954
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	
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776852	n/a	n/a	PLASTIC	n/a	3	m
0	1002776924	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776870	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6	m
1	1002777021	5.1	cm	PLASTIC	0	4.6	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	SAND	GRAVEL	n/a	BROWN	0	0.6	m
2	SAND	SILT	n/a	BROWN	0.6	2.7	m
3	SILT	STONES	DENSE	BROWN	2.7	4	m
4	SAND	n/a	n/a	BROWN	4	4.9	m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6	m

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	270.20

Latitude: 43.9686
Longitude: -79.258234

Well ID: 7108755

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag: A075783
Audit No: M01856
Contractor License: 7320
Well Completion Date: 06/25/2008
Received Date: 07/28/2008

WELL

Well Status: 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: FRESH

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1002776904
Pump Test ID 1002776925
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	
0	1002776852	n/a	n/a	PLASTIC	n/a	3	m
0	1002776870	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776924	n/a	n/a	PLASTIC	n/a	4.6	m
1	1002777021	5.1	cm	PLASTIC	0	4.6	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	SAND	GRAVEL	n/a	BROWN	0	0.6	m
2	SAND	SILT	n/a	BROWN	0.6	2.7	m
3	SILT	STONES	DENSE	BROWN	2.7	4	m
4	SAND	n/a	n/a	BROWN	4	4.9	m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6	m

End of Record

---

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	270.22

Latitude: 43.968498
Longitude: -79.258012

Well ID: 7108755

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag: A075783
Audit No: M01856
Contractor License: 7320
Well Completion Date: 06/25/2008
Received Date: 07/28/2008

WELL

Well Status: 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: FRESH

TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft)

Pipe ID: 1002776895
Pump Test ID 1002776907
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 Diamter	Diamter Units	Material	Top Depth	Bottom Depth	
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776924	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776870	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776852	n/a	n/a	PLASTIC	n/a	3	m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6	m
1	1002777021	5.1	cm	PLASTIC	0	4.6	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	SAND	GRAVEL	n/a	BROWN	0	0.6	m
2	SAND	SILT	n/a	BROWN	0.6	2.7	m
3	SILT	STONES	DENSE	BROWN	2.7	4	m
4	SAND	n/a	n/a	BROWN	4	4.9	m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.22

Latitude: 43.96839
Longitude: -79.258003

Well ID: **7108755**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN STREET
City: STOUFFVILLE
Tag: A075783
Audit No: M01856
Contractor License: 7320
Well Completion Date: 06/23/2008
Received Date: 07/28/2008

WELL

Well Status: 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: FRESH

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a
Pipe ID: 1002776868
Pump Test ID 1002776925
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	
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776852	n/a	n/a	PLASTIC	n/a	3	m
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6	m

0	1002776924	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776870	n/a	n/a	PLASTIC	n/a	4.6	m
1	1002777021	5.1	cm	PLASTIC	0	4.6	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	SAND	GRAVEL	n/a	BROWN	0	0.6	m
2	SAND	SILT	n/a	BROWN	0.6	2.7	m
3	SILT	STONES	DENSE	BROWN	2.7	4	m
4	SAND	n/a	n/a	BROWN	4	4.9	m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.17

Latitude: 43.968466
Longitude: -79.258287

Well ID: **7108755**

LOCATION

Lot:	n/a	**Tag:**	A075783
Con:	n/a	**Audit No:**	M01856
Municipality:	YORK	**Contractor License:**	7320
Township:	STOUFFVILLE VILLAGE	**Well Completion Date:**	06/23/2008
Street:	5945 MAIN STREET	**Received Date:**	07/28/2008
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	n/a	**Water Kind:**	FRESH

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1002776895
Pump Set (m):	n/a	**Pump Test ID**	1002776862
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1002776870	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776924	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776852	n/a	n/a	PLASTIC	n/a	3	m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6	m
1	1002777021	5.1	cm	PLASTIC	0	4.6	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	SAND	GRAVEL	n/a	BROWN	0	0.6	m
2	SAND	SILT	n/a	BROWN	0.6	2.7	m
3	SILT	STONES	DENSE	BROWN	2.7	4	m
4	SAND	n/a	n/a	BROWN	4	4.9	m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.34

Latitude: 43.968429
Longitude: -79.258239

Well ID: **7108755**

LOCATION

Lot:	n/a	**Tag:**	A075783
Con:	n/a	**Audit No:**	M01856
Municipality:	YORK	**Contractor License:**	7320
Township:	STOUFFVILLE VILLAGE	**Well Completion Date:**	06/25/2008
Street:	5945 MAIN STREET	**Received Date:**	07/28/2008
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	n/a	**Water Kind:**	FRESH

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1002776904
Pump Set (m):	n/a	**Pump Test ID**	1002776925
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1002776924	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776852	n/a	n/a	PLASTIC	n/a	3	m
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776870	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6	m
1	1002777021	5.1	cm	PLASTIC	0	4.6	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	SAND	GRAVEL	n/a	BROWN	0	0.6	m
2	SAND	SILT	n/a	BROWN	0.6	2.7	m
3	SILT	STONES	DENSE	BROWN	2.7	4	m
4	SAND	n/a	n/a	BROWN	4	4.9	m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.30

Latitude: 43.968394
Longitude: -79.258277

Well ID: **7108755**

LOCATION

Lot:	n/a	**Tag:**	A075783
Con:	n/a	**Audit No:**	M01856
Municipality:	YORK	**Contractor License:**	7320
Township:	STOUFFVILLE VILLAGE	**Well Completion Date:**	06/25/2008
Street:	5945 MAIN STREET	**Received Date:**	07/28/2008
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	n/a	**Water Kind:**	FRESH

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1002776886
Pump Set (m):	n/a	**Pump Test ID**	1002776880
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776924	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776870	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776852	n/a	n/a	PLASTIC	n/a	3	m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6	m
1	1002777021	5.1	cm	PLASTIC	0	4.6	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	SAND	GRAVEL	n/a	BROWN	0	0.6	m
2	SAND	SILT	n/a	BROWN	0.6	2.7	m
3	SILT	STONES	DENSE	BROWN	2.7	4	m
4	SAND	n/a	n/a	BROWN	4	4.9	m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.20

Latitude: 43.968542
Longitude: -79.258572

Well ID: 7108755

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag: A075783
Audit No: M01856
Contractor License: 7320
Well Completion Date: 06/24/2008
Received Date: 07/28/2008

WELL

Well Status: 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: FRESH

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1002776886
Pump Test ID 1002776871
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	
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776852	n/a	n/a	PLASTIC	n/a	3	m
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776870	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776924	n/a	n/a	PLASTIC	n/a	4.6	m
1	1002777021	5.1	cm	PLASTIC	0	4.6	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	SAND	GRAVEL	n/a	BROWN	0	0.6 m
2	SAND	SILT	n/a	BROWN	0.6	2.7 m
3	SILT	STONES	DENSE	BROWN	2.7	4 m
4	SAND	n/a	n/a	BROWN	4	4.9 m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6 m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.17

Latitude: 43.9684
Longitude: -79.258663

Well ID: **7108755**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag: A075783
Audit No: M01856
Contractor License: 7320
Well Completion Date: 06/24/2008
Received Date: 07/28/2008

WELL

Well Status: 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: FRESH

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1002776895
Pump Test ID 1002776880
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
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6 m
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6 m
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6 m
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6 m
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6 m
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6 m
0	1002776852	n/a	n/a	PLASTIC	n/a	3 m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6 m
0	1002776870	n/a	n/a	PLASTIC	n/a	4.6 m
0	1002776924	n/a	n/a	PLASTIC	n/a	4.6 m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6 m
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6 m
1	1002777021	5.1	cm	PLASTIC	0	4.6 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	SAND	GRAVEL	n/a	BROWN	0	0.6 m
2	SAND	SILT	n/a	BROWN	0.6	2.7 m
3	SILT	STONES	DENSE	BROWN	2.7	4 m
4	SAND	n/a	n/a	BROWN	4	4.9 m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6 m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.29

Latitude: 43.968202
Longitude: -79.258669

Well ID: **7108755**

CATION

Lot: n/a
Con: n/a
Municipality: YORK
Township:

Tag: A075783
Audit No: M01856
Contractor License: 7320
Well Completion Date: 06/23/2008

LOC

Street: 5945 MAIN STREET
City: STOUFFVILLE

Received Date: 07/28/2008

WELL

Well Status: Test Hole
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

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1002776904
Pump Test ID 1002776954
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	
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776924	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776852	n/a	n/a	PLASTIC	n/a	3	m
0	1002776870	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6	m
1	1002777021	5.1	cm	PLASTIC	0	4.6	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	SAND	GRAVEL	n/a	BROWN	0	0.6	m
2	SAND	SILT	n/a	BROWN	0.6	2.7	m
3	SILT	STONES	DENSE	BROWN	2.7	4	m
4	SAND	n/a	n/a	BROWN	4	4.9	m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.22

Latitude: 43.968063
Longitude: -79.258424

Well ID: **7108755**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag: A075783
Audit No: M01856
Contractor License: 7320
Well Completion Date: 06/25/2008
Received Date: 07/28/2008

WELL

Well Status: Test Hole
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

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1002776877
Pump Test ID 1002776853
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	
0	1002776906	n/a	n/a	PLASTIC	n/a	4.6	m

0	1002776870	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776852	n/a	n/a	PLASTIC	n/a	3	m
0	1002776879	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776861	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776888	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776962	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776953	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776843	n/a	n/a	PLASTIC	n/a	4.6	m
0	1002776915	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776897	n/a	n/a	PLASTIC	n/a	3.6	m
0	1002776924	n/a	n/a	PLASTIC	n/a	4.6	m
1	1002777021	5.1	cm	PLASTIC	0	4.6	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	SAND	GRAVEL	n/a	BROWN	0	0.6	m
2	SAND	SILT	n/a	BROWN	0.6	2.7	m
3	SILT	STONES	DENSE	BROWN	2.7	4	m
4	SAND	n/a	n/a	BROWN	4	4.9	m
5	SAND	n/a	WATER-BEARING	BROWN	4.9	7.6	m

End of Record

17

Easting:	630739.00
Northing:	4836439.00
Elev (masl):	269.34

Latitude: 43.970178
Longitude: -79.261304

Well ID: **7109175**

LOCATION

Lot: 034
Con: 04
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: WARDEN
City: GORMLEY

Tag: A051061
Audit No: Z56490
Contractor License: 5459
Well Completion Date: 06/15/2007
Received Date: 08/08/2007

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:

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	1001723667	13	cm	STEEL	2	39.6	m
2	1001723668	81	cm	CONCRETE	0	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

End of Record

17

Easting:	641563.00
Northing:	4873228.00
Elev (masl):	270.30

Latitude: 43.968641
Longitude: -79.258544

Well ID: **7109546**

OCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 946 MAIN ST.

Tag:
Audit No: Z80481
Contractor License: 7238
Well Completion Date: 07/24/2008
Received Date:

L

City: STOUFFVILLE 08/11/2008

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:

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	
0	1001774151	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	269.89

Latitude: 43.9695
Longitude: -79.25999

Well ID: **7141493**

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5892 MAIN ST
City: STOUFFVILLE

Tag: A093011
Audit No: M08667
Contractor License: 7147
Well Completion Date:
Received Date: 03/16/2010

WELL

Well Status: Test Hole
Prim. Use: n/a
Sec. Use: Monitoring
Boring Method: n/a

Well Depth (m): 3.4
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
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003284923
Pump Test ID 1003284910
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	
0	1003284933	n/a	n/a	<null>	n/a	1.4	m
0	1003284917	n/a	n/a	<null>	n/a	1.5	m
0	1003284925	n/a	n/a	<null>	n/a	2	m
0	1003284909	n/a	n/a	PLASTIC	n/a	1.9	m
1	1003284943	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	GREY	0	0.2	m
2	FILL	n/a	n/a	BROWN	0.2	1.5	m
3	SILT	SANDY	n/a	BROWN	1.5	3.4	m

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	269.93

Latitude: 43.9695
Longitude: -79.25999

Well ID: 7141493

LOCATION

Lot:	001	**Tag:**	A093011
Con:	08	**Audit No:**	M08667
Municipality:	YORK	**Contractor License:**	7147
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	03/05/2010
Street:	5892 MAIN ST	**Received Date:**	03/16/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	Monitoring	**Depth to Water:**	
Boring Method:	n/a	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003284923
Pump Set (m):	n/a	**Pump Test ID**	1003284934
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003284933	n/a	n/a	<null>	n/a	1.4	m
0	1003284925	n/a	n/a	<null>	n/a	2	m
0	1003284917	n/a	n/a	<null>	n/a	1.5	m
0	1003284909	n/a	n/a	PLASTIC	n/a	1.9	m
1	1003284943	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	GREY	0	0.2	m
2	FILL	n/a	n/a	BROWN	0.2	1.5	m
3	SILT	SANDY	n/a	BROWN	1.5	3.4	m

End of Record

---

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	269.93

Latitude: 43.969528
Longitude: -79.260052

Well ID: 7141493

LOCATION

Lot:	001	**Tag:**	A093011
Con:	08	**Audit No:**	M08667
Municipality:	YORK	**Contractor License:**	7147
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	03/05/2010
Street:	5892 MAIN ST	**Received Date:**	03/16/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	Monitoring	**Depth to Water:**	
Boring Method:	n/a	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003284923
Pump Set (m):	n/a	**Pump Test ID**	1003284918
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003284925	n/a	n/a	<null>	n/a	2	m
0	1003284933	n/a	n/a	<null>	n/a	1.4	m
0	1003284909	n/a	n/a	PLASTIC	n/a	1.9	m
0	1003284917	n/a	n/a	<null>	n/a	1.5	m

1	1003284943	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	GREY	0	0.2	m
2	FILL	n/a	n/a	BROWN	0.2	1.5	m
3	SILT	SANDY	n/a	BROWN	1.5	3.4	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	269.95

Latitude: 43.969475
Longitude: -79.260091

Well ID: **7141493**

LOCATION

Lot:	001	**Tag:**	A093011
Con:	08	**Audit No:**	M08667
Municipality:	YORK	**Contractor License:**	7147
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	03/05/2010
Street:	5892 MAIN ST	**Received Date:**	03/16/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	Monitoring	**Depth to Water:**	
Boring Method:	n/a	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003284915
Pump Set (m):	n/a	**Pump Test ID**	1003284926
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003284933	n/a	n/a	<null>	n/a	1.4	m
0	1003284909	n/a	n/a	PLASTIC	n/a	1.9	m
0	1003284917	n/a	n/a	<null>	n/a	1.5	m
0	1003284925	n/a	n/a	<null>	n/a	2	m
1	1003284943	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	GREY	0	0.2	m
2	FILL	n/a	n/a	BROWN	0.2	1.5	m
3	SILT	SANDY	n/a	BROWN	1.5	3.4	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	269.96

Latitude: 43.969465
Longitude: -79.260016

Well ID: **7141493**

LOCATION

Lot:	001	**Tag:**	A093011
Con:	08	**Audit No:**	M08667
Municipality:	YORK	**Contractor License:**	7147
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	03/05/2010
Street:	5892 MAIN ST	**Received Date:**	03/16/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	Monitoring	**Depth to Water:**	
Boring Method:	Other Method	**Water Kind:**	

/P TEST

Test Method:	n/a	**Pipe ID:**	1003284915
Pump Set (m):	n/a	**Pump Test ID**	1003284918
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a

PUM

Pump Rate: n/a
Recom. Rate: 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	
0	1003284917	n/a	n/a	<null>	n/a	1.5	m
0	1003284925	n/a	n/a	<null>	n/a	2	m
0	1003284933	n/a	n/a	<null>	n/a	1.4	m
0	1003284909	n/a	n/a	PLASTIC	n/a	1.9	m
1	1003284943	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	GREY	0	0.2	m
2	FILL	n/a	n/a	BROWN	0.2	1.5	m
3	SILT	SANDY	n/a	BROWN	1.5	3.4	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.18

Latitude: 43.968405
Longitude: -79.258389

Well ID: **7142355**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A093858
Audit No: M04443
Contractor License: 7320
Well Completion Date: 02/22/2010
Received Date: 03/25/2010

WELL

Well Status: Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: n/a

Well Depth (m): 6.7
Depth to Bedrock (m): n/a
Depth to Water: m
Water Kind: FRESH

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) 4.3
Final Level: n/a m
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003288557
Pump Test ID 1003288542
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	
0	1003288541	n/a	n/a	PLASTIC	n/a	3.7	m
0	1003288550	n/a	n/a	PLASTIC	n/a	3.7	m
0	1003288559	n/a	n/a	PLASTIC	n/a	3.7	m
1	1003288571	5.1	cm	PLASTIC	0	3.7	m
2	1003288572	5.1	cm	PLASTIC	3.7	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	SAND	GRAVEL	FILL	BROWN	0	0.3	m
2	SAND	n/a	FILL	BROWN	0.3	2.4	m
3	SAND	SILT	DENSE	BROWN	2.4	4.3	m
4	SAND	WATER-BEARING	n/a	BROWN	4.3	6.7	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.47

Latitude: 43.96922
Longitude: -79.258739

Well ID: **7142355**

CATION

Lot: n/a
Con: n/a
Municipality: YORK
Township:

Tag: A093858
Audit No: M04443
Contractor License: 7320
Well Completion Date: 02/22/2010

LOC

Street: 5945 MAIN ST
City: STOUFFVILLE

Township: STOUFFVILLE VILLAGE
Received Date: 03/25/2010

WELL

Well Status: 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: FRESH

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) 4.3
Final Level: n/a m
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003288539
Pump Test ID 1003288551
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	
0	1003288541	n/a	n/a	PLASTIC	n/a	3.7	m
0	1003288559	n/a	n/a	PLASTIC	n/a	3.7	m
0	1003288550	n/a	n/a	PLASTIC	n/a	3.7	m
1	1003288571	5.1	cm	PLASTIC	0	3.7	m
2	1003288572	5.1	cm	PLASTIC	3.7	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	SAND	GRAVEL	FILL	BROWN	0	0.3	m
2	SAND	n/a	FILL	BROWN	0.3	2.4	m
3	SAND	SILT	DENSE	BROWN	2.4	4.3	m
4	SAND	WATER-BEARING	n/a	BROWN	4.3	6.7	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.47

Latitude: 43.969393
Longitude: -79.258834

Well ID: **7142355**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A093858
Audit No: M04443
Contractor License: 7320
Well Completion Date: 02/22/2010
Received Date: 03/25/2010

WELL

Well Status: 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: FRESH

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) 4.3
Final Level: n/a m
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003288539
Pump Test ID 1003288560
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	
0	1003288541	n/a	n/a	PLASTIC	n/a	3.7	m
0	1003288559	n/a	n/a	PLASTIC	n/a	3.7	m
0	1003288550	n/a	n/a	PLASTIC	n/a	3.7	m
1	1003288571	5.1	cm	PLASTIC	0	3.7	m
2	1003288572	5.1	cm	PLASTIC	3.7	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	SAND	GRAVEL	FILL	BROWN	0	0.3	m

2	SAND	n/a	FILL	BROWN	0.3	2.4	m
3	SAND	SILT	DENSE	BROWN	2.4	4.3	m
4	SAND	WATER-BEARING	n/a	BROWN	4.3	6.7	m

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.47

Latitude: 43.969395
Longitude: -79.258397

Well ID: **7142355**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A093858
Audit No: M04443
Contractor License: 7320
Well Completion Date: 02/23/2010
Received Date: 03/25/2010

WELL

Well Status: 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: FRESH

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) 4.3
Final Level: n/a m
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003288548
Pump Test ID 1003288551
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	
0	1003288541	n/a	n/a	PLASTIC	n/a	3.7	m
0	1003288559	n/a	n/a	PLASTIC	n/a	3.7	m
0	1003288550	n/a	n/a	PLASTIC	n/a	3.7	m
1	1003288571	5.1	cm	PLASTIC	0	3.7	m
2	1003288572	5.1	cm	PLASTIC	3.7	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	SAND	GRAVEL	FILL	BROWN	0	0.3	m
2	SAND	n/a	FILL	BROWN	0.3	2.4	m
3	SAND	SILT	DENSE	BROWN	2.4	4.3	m
4	SAND	WATER-BEARING	n/a	BROWN	4.3	6.7	m

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.45

Latitude: 43.969142
Longitude: -79.257146

Well ID: **7144192**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5964 MAIN ST 5598
City: STOUFFVILLE

Tag: A096850
Audit No: Z112059
Contractor License: 7241
Well Completion Date: 03/23/2010
Received Date: 05/03/2010

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	1003153447	1.5	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	LOOSE	BROWN	0	12 ft
2	SAND	SILT	LOOSE	BROWN	12	20 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.45

Latitude: 43.969091
Longitude: -79.257347

Well ID: 7144193

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5964 MAIN ST 5598
City: STOUFFVILLE

Tag: A096903
Audit No: Z112060
Contractor License: 7241
Well Completion Date: 03/23/2010
Received Date: 05/03/2010

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Direct Push

Well Depth (m): 5.7912
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	1003153476	1.5	inch	PLASTIC	0	9 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	12 ft
2	SAND	SILT	LOOSE	BROWN	12	19 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.94

Latitude: 43.969693
Longitude: -79.256706

Well ID: 7144194

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5964 MAIN ST 5598
City: STOUFFVILLE

Tag: A096904
Audit No: Z112062
Contractor License: 7241
Well Completion Date: 03/23/2010
Received Date: 05/03/2010

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Direct Push

Well Depth (m): 5.1816
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 Duration (hr):**
Pump Rate: **Pump Duration (m):**
Recom. Rate:

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	1003153504	1.5	inch	PLASTIC	0	7 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	12 ft
2	SAND	SILT	LOOSE	BROWN	12	17 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	271.03

Latitude: 43.969777
Longitude: -79.25689

Well ID: 7144195

LOCATION

Lot: n/a **Tag:** A096849
Con: n/a **Audit No:** Z112056
Municipality: YORK **Contractor License:** 7241
Township: STOUFFVILLE VILLAGE **Well Completion Date:** 03/23/2010
Street: 5964 MAIN ST 5598 **Received Date:** 05/03/2010
City: STOUFFVILLE

WELL

Well Status: Monitoring and Test Hole **Well Depth (m):** 5.4864
Prim. Use: n/a **Depth to Bedrock (m):** n/a
Sec. Use: n/a **Depth to Water:** ft
Boring Method: Direct Push **Water Kind:**

PUMP TEST

Test Method: **Pipe ID:**
Pump Set (m): **Pump Test ID**
SWL (ft) **Flowing:**
Final Level: **Pump Duration (hr):**
Pump Rate: **Pump Duration (m):**
Recom. Rate:

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	1003153519	1.5	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	SAND	n/a	LOOSE	BROWN	0	12 ft
2	SAND	SILT	LOOSE	BROWN	12	18 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.53

Latitude: 43.96928
Longitude: -79.256743

Well ID: 7144196

LOCATION

Lot: n/a **Tag:** A096848
Con: n/a **Audit No:** Z112051
Municipality: YORK **Contractor License:** 7241
Township: STOUFFVILLE VILLAGE **Well Completion Date:** 03/23/2010
Street: 5964 MAIN ST 5598 **Received Date:** 05/03/2010
City: STOUFFVILLE

WELL

Well Status: Monitoring and Test Hole **Well Depth (m):** 6.096
Prim. Use: n/a **Depth to Bedrock (m):** n/a
Sec. Use: n/a **Depth to Water:** ft
Boring Method: Direct Push **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	1003153543	1.5	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	LOOSE	BROWN	0	12	ft
2	SAND	SILT	LOOSE	BROWN	12	20	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.59

Latitude: 43.969348
Longitude: -79.256479

Well ID: 7144197

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5964 MAIN ST 5598
City: STOUFFVILLE

Tag: A096905
Audit No: Z112049
Contractor License: 7241
Well Completion Date: 03/24/2010
Received Date: 05/03/2010

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	1003153595	1.5	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	SAND	n/a	LOOSE	BROWN	0	12	ft
2	SAND	SILT	LOOSE	BROWN	12	20	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.67

Latitude: 43.969434
Longitude: -79.256215

Well ID: 7144198

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5964 MAIN ST 5998
City: STOUFFVILLE

Tag: A081050
Audit No: Z104799
Contractor License: 7241
Well Completion Date: 03/23/2010
Received Date: 05/03/2010

ELL

Well Status: Monitoring and Test Hole
Prim. Use:

Well Depth (m): 5.7912
Depth to Bedrock (m): n/a

WE

Sec. Use: n/a
Boring Method: Direct Push

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	1003153647	1.5	inch	PLASTIC	0	9	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	LOOSE	n/a	BROWN	0	12	ft
2	SAND	SILT	LOOSE	BROWN	12	19	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.67

Latitude: 43.96944
Longitude: -79.256028

Well ID: **7144199**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5964 MAIN ST 5598
City: STOUFFVILLE

Tag: A096847
Audit No: Z112047
Contractor License: 7241
Well Completion Date: 03/24/2010
Received Date: 05/03/2010

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Direct Push

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 Diamter	Diamter Units	Material	Top Depth	Bottom Depth	
1	1003153700	1.5	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	SAND	LOOSE	n/a	BROWN	0	12	ft
2	SAND	SILT	LOOSE	BROWN	12	18	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.74

Latitude: 43.96944
Longitude: -79.257199

Well ID: **7144207**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5964 MAIN ST 5598
City: STOUFFVILLE

Tag: A096851
Audit No: Z112054
Contractor License: 7241
Well Completion Date: 03/23/2010
Received Date: 05/03/2010

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Direct Push

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 Diamter	Diamter Units	Material	Top Depth	Bottom Depth	
1	1003154161	1.5	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	SAND	n/a	LOOSE	BROWN	0	12	ft
2	SAND	SILT	LOOSE	BROWN	12	18	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	269.44

Latitude: 43.969037
Longitude: -79.260303

Well ID: **7144382**

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5892 MAIN ST
City: STOUFFVILLE

Tag: A093009
Audit No: M08675
Contractor License: 7147
Well Completion Date: 04/27/2010
Received Date: 05/10/2010

WELL

Well Status: Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: n/a

Well Depth (m): 3.4
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
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003306560
Pump Test ID 1003306599
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	
0	1003306607	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306616	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306562	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306598	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306580	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306571	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306589	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306553	n/a	n/a	PLASTIC	n/a	1.8	m
1	1003306627	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	BLACK	0	0.3	m
2	FILL	n/a	SANDY	BROWN	0.3	0.8	m
3	SILT	SAND	n/a	BROWN	0.8	2.9	m

4	SAND	COARSE-GRAINED	n/a	BROWN	2.9	3.4	m

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	269.75

Latitude: 43.969037
Longitude: -79.260303

Well ID: 7144382

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5892 MAIN ST
City: STOUFFVILLE

Tag: A093009
Audit No: M08675
Contractor License: 7147
Well Completion Date: 04/27/2010
Received Date: 05/10/2010

WELL

Well Status: 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:
Water Kind:

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003306605
Pump Test ID 1003306563
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	
0	1003306589	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306571	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306553	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306598	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306562	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306607	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306616	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306580	n/a	n/a	PLASTIC	n/a	1.8	m
1	1003306627	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	BLACK	0	0.3	m
2	FILL	n/a	SANDY	BROWN	0.3	0.8	m
3	SILT	SAND	n/a	BROWN	0.8	2.9	m
4	SAND	COARSE-GRAINED	n/a	BROWN	2.9	3.4	m

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	269.44

Latitude: 43.969062
Longitude: -79.260177

Well ID: 7144382

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5892 MAIN ST
City: STOUFFVILLE

Tag: A093009
Audit No: M08675
Contractor License: 7147
Well Completion Date: 04/27/2010
Received Date: 05/10/2010

WELL

Well Status: 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:
Water Kind:

MP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a

Pipe ID: 1003306551
Pump Test ID 1003306608
Flowing: n/a
Pump Duration (hr): n/a

PUMP

Pump Rate: n/a
Recom. Rate: 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	
0	1003306580	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306598	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306553	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306562	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306571	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306589	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306607	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306616	n/a	n/a	PLASTIC	n/a	1.8	m
1	1003306627	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	BLACK	0	0.3	m
2	FILL	n/a	SANDY	BROWN	0.3	0.8	m
3	SILT	SAND	n/a	BROWN	0.8	2.9	m
4	SAND	COARSE-GRAINED	n/a	BROWN	2.9	3.4	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	269.44

Latitude: 43.969128
Longitude: -79.260338

Well ID: **7144382**

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5892 MAIN ST
City: STOUFFVILLE

Tag: A093009
Audit No: M08675
Contractor License: 7147
Well Completion Date: 04/27/2010
Received Date: 05/10/2010

WELL

Well Status: 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:
Water Kind:

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003306605
Pump Test ID 1003306608
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	
0	1003306598	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306616	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306571	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306553	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306562	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306607	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306589	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306580	n/a	n/a	PLASTIC	n/a	1.8	m
1	1003306627	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	BLACK	0	0.3	m
2	FILL	n/a	SANDY	BROWN	0.3	0.8	m
3	SILT	SAND	n/a	BROWN	0.8	2.9	m

4	SAND	COARSE-GRAINED	n/a	BROWN	2.9	3.4	m

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	269.75

Latitude: 43.969162
Longitude: -79.260237

Well ID: 7144382

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5892 MAIN ST
City: STOUFFVILLE

Tag: A093009
Audit No: M08675
Contractor License: 7147
Well Completion Date: 04/27/2010
Received Date: 05/10/2010

WELL

Well Status: 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:
Water Kind:

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003306605
Pump Test ID 1003306572
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	
0	1003306589	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306598	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306553	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306607	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306562	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306616	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306580	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306571	n/a	n/a	PLASTIC	n/a	1.8	m
1	1003306627	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	BLACK	0	0.3	m
2	FILL	n/a	SANDY	BROWN	0.3	0.8	m
3	SILT	SAND	n/a	BROWN	0.8	2.9	m
4	SAND	COARSE-GRAINED	n/a	BROWN	2.9	3.4	m

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	269.80

Latitude: 43.969208
Longitude: -79.26031

Well ID: 7144382

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5892 MAIN ST
City: STOUFFVILLE

Tag: A093009
Audit No: M08675
Contractor License: 7147
Well Completion Date: 04/27/2010
Received Date: 05/10/2010

WELL

Well Status: 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:
Water Kind:

MP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a

Pipe ID: 1003306560
Pump Test ID 1003306599
Flowing: n/a
Pump Duration (hr): n/a

PUMP

Pump Rate: n/a
Recom. Rate: 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	
0	1003306562	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306571	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306580	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306598	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306553	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306589	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306616	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306607	n/a	n/a	PLASTIC	n/a	1.8	m
1	1003306627	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	BLACK	0	0.3	m
2	FILL	n/a	SANDY	BROWN	0.3	0.8	m
3	SILT	SAND	n/a	BROWN	0.8	2.9	m
4	SAND	COARSE-GRAINED	n/a	BROWN	2.9	3.4	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	269.80

Latitude: 43.969387
Longitude: -79.26023

Well ID: **7144382**

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5892 MAIN ST
City: STOUFFVILLE

Tag: A093009
Audit No: M08675
Contractor License: 7147
Well Completion Date: 04/27/2010
Received Date: 05/10/2010

WELL

Well Status: 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:
Water Kind:

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003306596
Pump Test ID 1003306599
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	
0	1003306562	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306607	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306571	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306598	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306553	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306616	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306580	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306589	n/a	n/a	PLASTIC	n/a	1.8	m
1	1003306627	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	BLACK	0	0.3	m
2	FILL	n/a	SANDY	BROWN	0.3	0.8	m
3	SILT	SAND	n/a	BROWN	0.8	2.9	m

4	SAND	COARSE-GRAINED	n/a	BROWN	2.9	3.4	m

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	269.75

Latitude: 43.96934
Longitude: -79.260107

Well ID: 7144382

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5892 MAIN ST
City: STOUFFVILLE

Tag: A093009
Audit No: M08675
Contractor License: 7147
Well Completion Date: 04/27/2010
Received Date: 05/10/2010

WELL

Well Status: 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:
Water Kind:

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003306560
Pump Test ID 1003306617
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	
0	1003306553	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306616	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306562	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306589	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306598	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306571	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306580	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306607	n/a	n/a	PLASTIC	n/a	1.8	m
1	1003306627	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	BLACK	0	0.3	m
2	FILL	n/a	SANDY	BROWN	0.3	0.8	m
3	SILT	SAND	n/a	BROWN	0.8	2.9	m
4	SAND	COARSE-GRAINED	n/a	BROWN	2.9	3.4	m

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	269.44

Latitude: 43.969394
Longitude: -79.26008

Well ID: 7144382

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5892 MAIN ST
City: STOUFFVILLE

Tag: A093009
Audit No: M08675
Contractor License: 7147
Well Completion Date: 04/27/2010
Received Date: 05/10/2010

WELL

Well Status: 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:
Water Kind:

MP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a

Pipe ID: 1003306551
Pump Test ID 1003306599
Flowing: n/a
Pump Duration (hr): n/a

PUMP

Pump Rate: n/a
Recom. Rate: 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	
0	1003306571	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306580	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306553	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306589	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306616	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306598	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306562	n/a	n/a	PLASTIC	n/a	1.8	m
0	1003306607	n/a	n/a	PLASTIC	n/a	1.8	m
1	1003306627	3.2	cm	PLASTIC	0	3.4	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	n/a	n/a	n/a	BLACK	0	0.3	m
2	FILL	n/a	SANDY	BROWN	0.3	0.8	m
3	SILT	SAND	n/a	BROWN	0.8	2.9	m
4	SAND	COARSE-GRAINED	n/a	BROWN	2.9	3.4	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	268.01

Latitude: 43.968598
Longitude: -79.261051

Well ID: **7144446**

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5842 MAIN ST
City: STOUFFVILLE

Tag: A094861
Audit No: M06525
Contractor License: 6607
Well Completion Date: 03/08/2010
Received Date: 05/12/2010

WELL

Well Status: Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: n/a

Well Depth (m): 4.5
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
Recom. Rate: n/a

Pipe ID: 1003307373
Pump Test ID 1003307313
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	
0	1003307339	n/a	n/a	PLASTIC	n/a	2.1	m
0	1003307366	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307375	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307321	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307312	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307357	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307330	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307348	n/a	n/a	PLASTIC	n/a	1.5	m
1	1003307385	5.1	cm	PLASTIC	0	1.5	m
2	1003307386	5.1	cm	PLASTIC	1.5	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	SILT	SAND	DENSE	BROWN	0	3.4	m
2	SAND	SILT	PACKED	BROWN	3.4	4.5	m

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	268.20

Latitude: 43.968588
Longitude: -79.260939

Well ID: 7144446

LOCATION

Lot:	001	**Tag:**	A094861
Con:	08	**Audit No:**	M06525
Municipality:	YORK	**Contractor License:**	6607
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	03/04/2010
Street:	5842 MAIN ST	**Received Date:**	05/12/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	Boring	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003307328
Pump Set (m):	n/a	**Pump Test ID**	1003307349
SWL (ft)	3.25	**Flowing:**	n/a
Final Level:	n/a m	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003307330	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307375	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307348	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307339	n/a	n/a	PLASTIC	n/a	2.1	m
0	1003307366	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307321	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307312	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307357	n/a	n/a	PLASTIC	n/a	1.5	m
1	1003307385	5.1	cm	PLASTIC	0	1.5	m
2	1003307386	5.1	cm	PLASTIC	1.5	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	SILT	SAND	DENSE	BROWN	0	3.4	m
2	SAND	SILT	PACKED	BROWN	3.4	4.5	m

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	268.18

Latitude: 43.968373
Longitude: -79.26102

Well ID: 7144446

LOCATION

Lot:	001	**Tag:**	A094861
Con:	08	**Audit No:**	M06525
Municipality:	YORK	**Contractor License:**	6607
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	03/04/2010
Street:	5842 MAIN ST	**Received Date:**	05/12/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	n/a	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003307364
Pump Set (m):	n/a	**Pump Test ID**	1003307349
SWL (ft)	3.25	**Flowing:**	n/a
Final Level:	n/a m	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003307321	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307312	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307375	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307339	n/a	n/a	PLASTIC	n/a	2.1	m
0	1003307348	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307330	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307366	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307357	n/a	n/a	PLASTIC	n/a	1.5	m
1	1003307385	5.1	cm	PLASTIC	0	1.5	m
2	1003307386	5.1	cm	PLASTIC	1.5	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	SILT	SAND	DENSE	BROWN	0	3.4	m
2	SAND	SILT	PACKED	BROWN	3.4	4.5	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	268.53

Latitude: 43.968358
Longitude: -79.261208

Well ID: **7144446**

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5842 MAIN ST
City: STOUFFVILLE

Tag: A094861
Audit No: M06525
Contractor License: 6607
Well Completion Date: 03/08/2010
Received Date: 05/12/2010

WELL

Well Status: 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:

PUMP TEST

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: 1003307364
Pump Test ID 1003307322
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	
0	1003307339	n/a	n/a	PLASTIC	n/a	2.1	m
0	1003307321	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307312	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307375	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307366	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307357	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307348	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307330	n/a	n/a	PLASTIC	n/a	1.5	m
1	1003307385	5.1	cm	PLASTIC	0	1.5	m
2	1003307386	5.1	cm	PLASTIC	1.5	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	SILT	SAND	DENSE	BROWN	0	3.4	m
2	SAND	SILT	PACKED	BROWN	3.4	4.5	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968566
Longitude: -79.261289

Well ID: **7144446**

Elev (masl):	268.53

LOCATION

Lot:	001	**Tag:**	A094861
Con:	08	**Audit No:**	M06525
Municipality:	YORK	**Contractor License:**	6607
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	03/08/2010
Street:	5842 MAIN ST	**Received Date:**	05/12/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	n/a	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003307328
Pump Set (m):	n/a	**Pump Test ID**	1003307367
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a m	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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
0	1003307321	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307312	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307348	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307357	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307375	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307366	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307330	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307339	n/a	n/a	PLASTIC	n/a	2.1 m
1	1003307385	5.1	cm	PLASTIC	0	1.5 m
2	1003307386	5.1	cm	PLASTIC	1.5	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	SILT	SAND	DENSE	BROWN	0	3.4 m
2	SAND	SILT	PACKED	BROWN	3.4	4.5 m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	268.49

Latitude: 43.96847
Longitude: -79.261466

Well ID: **7144446**

LOCATION

Lot:	001	**Tag:**	A094861
Con:	08	**Audit No:**	M06525
Municipality:	YORK	**Contractor License:**	6607
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	03/08/2010
Street:	5842 MAIN ST	**Received Date:**	05/12/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	n/a	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003307337
Pump Set (m):	n/a	**Pump Test ID**	1003307322
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a m	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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
0	1003307375	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307339	n/a	n/a	PLASTIC	n/a	2.1 m
0	1003307357	n/a	n/a	PLASTIC	n/a	1.5 m

0	1003307312	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307321	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307348	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307330	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307366	n/a	n/a	PLASTIC	n/a	1.5	m
1	1003307385	5.1	cm	PLASTIC	0	1.5	m
2	1003307386	5.1	cm	PLASTIC	1.5	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	SILT	SAND	DENSE	BROWN	0	3.4	m
2	SAND	SILT	PACKED	BROWN	3.4	4.5	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	268.49

Latitude: 43.968447
Longitude: -79.261168

Well ID: 7144446

LOCATION

Lot:	001	**Tag:**	A094861
Con:	08	**Audit No:**	M06525
Municipality:	YORK	**Contractor License:**	6607
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	03/04/2010
Street:	5842 MAIN ST	**Received Date:**	05/12/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	n/a	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003307373
Pump Set (m):	n/a	**Pump Test ID**	1003307378
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a m	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003307339	n/a	n/a	PLASTIC	n/a	2.1	m
0	1003307375	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307348	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307357	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307321	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307312	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307330	n/a	n/a	PLASTIC	n/a	1.5	m
0	1003307366	n/a	n/a	PLASTIC	n/a	1.5	m
1	1003307385	5.1	cm	PLASTIC	0	1.5	m
2	1003307386	5.1	cm	PLASTIC	1.5	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	SILT	SAND	DENSE	BROWN	0	3.4	m
2	SAND	SILT	PACKED	BROWN	3.4	4.5	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	267.85

Latitude: 43.968523
Longitude: -79.260829

Well ID: 7144446

LOCATION

Lot:	001	**Tag:**	A094861
Con:	08	**Audit No:**	M06525
Municipality:	YORK	**Contractor License:**	6607
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	03/04/2010
Street:	5842 MAIN ST	**Received Date:**	05/12/2010
City:	STOUFFVILLE		

WELL

Well Status: 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:

PUMP TEST

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: 1003307319
Pump Test ID 1003307349
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
0	1003307366	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307312	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307339	n/a	n/a	PLASTIC	n/a	2.1 m
0	1003307321	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307330	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307348	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307357	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307375	n/a	n/a	PLASTIC	n/a	1.5 m
1	1003307385	5.1	cm	PLASTIC	0	1.5 m
2	1003307386	5.1	cm	PLASTIC	1.5	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	SILT	SAND	DENSE	BROWN	0	3.4 m
2	SAND	SILT	PACKED	BROWN	3.4	4.5 m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	268.20

Latitude: 43.968305
Longitude: -79.261321

Well ID: **7144446**

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5842 MAIN ST
City: STOUFFVILLE

Tag: A094861
Audit No: M06525
Contractor License: 6607
Well Completion Date: 03/04/2010
Received Date: 05/12/2010

WELL

Well Status: 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:

PUMP TEST

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: 1003307310
Pump Test ID 1003307313
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
0	1003307321	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307312	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307348	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307339	n/a	n/a	PLASTIC	n/a	2.1 m
0	1003307366	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307330	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307375	n/a	n/a	PLASTIC	n/a	1.5 m
0	1003307357	n/a	n/a	PLASTIC	n/a	1.5 m
1	1003307385	5.1	cm	PLASTIC	0	1.5 m

2	1003307386	5.1	cm	PLASTIC	1.5	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	SILT	SAND	DENSE	BROWN	0	3.4	m
2	SAND	SILT	PACKED	BROWN	3.4	4.5	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.27

Latitude: 43.96856
Longitude: -79.258509

Well ID: 7146731

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A099658
Audit No: M06036
Contractor License: 7238
Well Completion Date:
Received Date: 06/15/2010

WELL

Well Status: Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: n/a

Well Depth (m): 7.6
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
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003317810
Pump Test ID 1003317750
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	
0	1003317740	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317767	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317749	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317812	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317803	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317794	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317758	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317731	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317776	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317785	n/a	n/a	PLASTIC	n/a	4.6	m
1	1003317819	10	cm	PLASTIC	0	4.6	m
2	1003317820	10	cm	PLASTIC	4.6	7.6	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	SAND	SILT	FINE-GRAINED	BROWN	0	4.6	m
2	SAND	n/a	n/a	BROWN	4.6	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.26

Latitude: 43.968559
Longitude: -79.258497

Well ID: 7146731

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A099658
Audit No: M06036
Contractor License: 7238
Well Completion Date:
Received Date: 06/15/2010

WELL

Well Status: Test Hole
Prim. Use: n/a
Sec. Use:

Well Depth (m): 0
Depth to Bedrock (m): n/a
Depth to Water:

WELL

Boring Method: n/a

Water Kind:

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003317792
Pump Set (m):	n/a	**Pump Test ID**	1003317813
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003317812	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317794	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317785	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317731	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317740	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317767	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317776	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317803	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317758	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317749	n/a	n/a	PLASTIC	n/a	4.6	m
1	1003317819	10	cm	PLASTIC	0	4.6	m
2	1003317820	10	cm	PLASTIC	4.6	7.6	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	SAND	SILT	FINE-GRAINED	BROWN	0	4.6	m
2	SAND	n/a	n/a	BROWN	4.6	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.27

Latitude: 43.968559
Longitude: -79.258472

Well ID: **7146731**

LOCATION

Lot:	035	**Tag:**	A099658
Con:	08	**Audit No:**	M06036
Municipality:	YORK	**Contractor License:**	7238
Township:	WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)	**Well Completion Date:**	
Street:	5945 MAIN ST	**Received Date:**	06/15/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:	n/a	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003317810
Pump Set (m):	n/a	**Pump Test ID**	1003317786
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003317776	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317731	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317794	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317740	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317758	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317749	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317812	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317803	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317767	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317785	n/a	n/a	PLASTIC	n/a	4.6	m

1	1003317819	10	cm	PLASTIC	0	4.6	m
2	1003317820	10	cm	PLASTIC	4.6	7.6	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	SAND	SILT	FINE-GRAINED	BROWN	0	4.6	m
2	SAND	n/a	n/a	BROWN	4.6	7.6	m

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.27

Latitude: 43.968559
Longitude: -79.258459

Well ID: 7146731

LOCATION

Lot:	035	**Tag:**	A099658
Con:	08	**Audit No:**	M06036
Municipality:	YORK	**Contractor License:**	7238
Township:	WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)	**Well Completion Date:**	
Street:	5945 MAIN ST	**Received Date:**	06/15/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:	n/a	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003317765
Pump Set (m):	n/a	**Pump Test ID**	1003317813
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003317749	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317803	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317758	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317812	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317767	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317785	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317731	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317776	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317794	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317740	n/a	n/a	PLASTIC	n/a	4.6	m
1	1003317819	10	cm	PLASTIC	0	4.6	m
2	1003317820	10	cm	PLASTIC	4.6	7.6	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	SAND	SILT	FINE-GRAINED	BROWN	0	4.6	m
2	SAND	n/a	n/a	BROWN	4.6	7.6	m

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.27

Latitude: 43.968558
Longitude: -79.258434

Well ID: 7146731

LOCATION

Lot:	035	**Tag:**	A099658
Con:	08	**Audit No:**	M06036
Municipality:	YORK	**Contractor License:**	7238
Township:	WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)	**Well Completion Date:**	
Street:	5945 MAIN ST	**Received Date:**	06/15/2010
City:	STOUFFVILLE		

ELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:		**Depth to Bedrock (m):**	n/a

WELL

Sec. Use: n/a
Boring Method: 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
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003317747
Pump Test ID 1003317750
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	
0	1003317785	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317767	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317794	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317758	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317812	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317731	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317803	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317740	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317776	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317749	n/a	n/a	PLASTIC	n/a	4.6	m
1	1003317819	10	cm	PLASTIC	0	4.6	m
2	1003317820	10	cm	PLASTIC	4.6	7.6	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	SAND	SILT	FINE-GRAINED	BROWN	0	4.6	m
2	SAND	n/a	n/a	BROWN	4.6	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.28

Latitude: 43.968558
Longitude: -79.258422

Well ID: **7146731**

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A099658
Audit No: M06036
Contractor License: 7238
Well Completion Date:
Received Date: 06/15/2010

WELL

Well Status: 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:
Water Kind:

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003317801
Pump Test ID 1003317732
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	
0	1003317812	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317776	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317803	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317749	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317785	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317767	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317740	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317758	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317731	n/a	n/a	PLASTIC	n/a	4.6	m

0	1003317794	n/a	n/a	PLASTIC	n/a	4.6	m
1	1003317819	10	cm	PLASTIC	0	4.6	m
2	1003317820	10	cm	PLASTIC	4.6	7.6	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	SAND	SILT	FINE-GRAINED	BROWN	0	4.6	m
2	SAND	n/a	n/a	BROWN	4.6	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.27

Latitude: 43.968558
Longitude: -79.258397

Well ID: 7146731

LOCATION

Lot:	035	**Tag:**	A099658
Con:	08	**Audit No:**	M06036
Municipality:	YORK	**Contractor License:**	7238
Township:	WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)	**Well Completion Date:**	
Street:	5945 MAIN ST	**Received Date:**	06/15/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:	n/a	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003317738
Pump Set (m):	n/a	**Pump Test ID**	1003317750
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003317812	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317758	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317749	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317794	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317776	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317767	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317803	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317740	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317731	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317785	n/a	n/a	PLASTIC	n/a	4.6	m
1	1003317819	10	cm	PLASTIC	0	4.6	m
2	1003317820	10	cm	PLASTIC	4.6	7.6	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	SAND	SILT	FINE-GRAINED	BROWN	0	4.6	m
2	SAND	n/a	n/a	BROWN	4.6	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.27

Latitude: 43.968558
Longitude: -79.258385

Well ID: 7146731

LOCATION

Lot:	035	**Tag:**	A099658
Con:	08	**Audit No:**	M06036
Municipality:	YORK	**Contractor License:**	7238
Township:	WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)	**Well Completion Date:**	
Street:	5945 MAIN ST	**Received Date:**	06/15/2010
City:	STOUFFVILLE		

WELL

Well Status: 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:
Water Kind:

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003317729
Pump Test ID 1003317750
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
0	1003317767	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317749	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317803	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317776	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317794	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317740	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317785	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317812	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317731	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317758	n/a	n/a	PLASTIC	n/a	4.6 m
1	1003317819	10	cm	PLASTIC	0	4.6 m
2	1003317820	10	cm	PLASTIC	4.6	7.6 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	SAND	SILT	FINE-GRAINED	BROWN	0	4.6 m
2	SAND	n/a	n/a	BROWN	4.6	7.6 m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.27

Latitude: 43.968557
Longitude: -79.25836

Well ID: **7146731**

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A099658
Audit No: M06036
Contractor License: 7238
Well Completion Date:
Received Date: 06/15/2010

WELL

Well Status: 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:
Water Kind:

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003317738
Pump Test ID 1003317795
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
0	1003317767	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317740	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317731	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317785	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317758	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317776	n/a	n/a	PLASTIC	n/a	4.6 m
0	1003317749	n/a	n/a	PLASTIC	n/a	4.6 m

0	1003317803	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317794	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317812	n/a	n/a	PLASTIC	n/a	4.6	m
1	1003317819	10	cm	PLASTIC	0	4.6	m
2	1003317820	10	cm	PLASTIC	4.6	7.6	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	SAND	SILT	FINE-GRAINED	BROWN	0	4.6	m
2	SAND	n/a	n/a	BROWN	4.6	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.27

Latitude: 43.968557
Longitude: -79.258347

Well ID: 7146731

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A099658
Audit No: M06036
Contractor License: 7238
Well Completion Date:
Received Date: 06/15/2010

WELL

Well Status: 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:
Water Kind:

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003317810
Pump Test ID 1003317795
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	
0	1003317731	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317812	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317803	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317767	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317758	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317776	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317740	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317794	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317749	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317785	n/a	n/a	PLASTIC	n/a	4.6	m
1	1003317819	10	cm	PLASTIC	0	4.6	m
2	1003317820	10	cm	PLASTIC	4.6	7.6	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	SAND	SILT	FINE-GRAINED	BROWN	0	4.6	m
2	SAND	n/a	n/a	BROWN	4.6	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.27

Latitude: 43.968557
Longitude: -79.258335

Well ID: 7146731

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A099658
Audit No: M06036
Contractor License: 7238
Well Completion Date:
Received Date: 06/15/2010

WELL

Well Status: 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:
Water Kind:

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003317792
Pump Test ID 1003317777
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	
0	1003317812	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317767	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317803	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317785	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317749	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317794	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317731	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317776	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317740	n/a	n/a	PLASTIC	n/a	4.6	m
0	1003317758	n/a	n/a	PLASTIC	n/a	4.6	m
1	1003317819	10	cm	PLASTIC	0	4.6	m
2	1003317820	10	cm	PLASTIC	4.6	7.6	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	SAND	SILT	FINE-GRAINED	BROWN	0	4.6	m
2	SAND	n/a	n/a	BROWN	4.6	7.6	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.20

Latitude: 43.968259
Longitude: -79.258269

Well ID: **7147593**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A097451
Audit No: M01852
Contractor License: 7320
Well Completion Date: 06/23/2010
Received Date: 06/30/2010

WELL

Well Status: Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: H.S.A.

Well Depth (m): 7.9
Depth to Bedrock (m): n/a
Depth to Water: m
Water Kind: FRESH

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003322987
Pump Test ID 1003323008
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	
0	1003322998	n/a	n/a	PLASTIC	n/a	3.6	m
0	1003322989	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003322980	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003323007	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003323016	n/a	n/a	PLASTIC	n/a	3.6	m
1	1003323029	5.1	cm	PLASTIC	0	3.9	m
2	1003323030	5.1	cm	PLASTIC	3.9	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	FILL	n/a	BROWN	0	2.4	m
2	SAND	DENSE	n/a	BROWN	2.4	5.5	m
3	SAND	SILT	n/a	BROWN	5.5	5.8	m
4	SAND	WATER-BEARING	n/a	BROWN	5.8	7.9	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.25

Latitude: 43.968242
Longitude: -79.258369

Well ID: 7147593

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A097451
Audit No: M01852
Contractor License: 7320
Well Completion Date: 06/23/2010
Received Date: 06/30/2010

WELL

Well Status: 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: FRESH

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a
Pump Rate: n/a
Recom. Rate: n/a

Pipe ID: 1003322987
Pump Test ID 1003323008
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	
0	1003323016	n/a	n/a	PLASTIC	n/a	3.6	m
0	1003322980	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003323007	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003322998	n/a	n/a	PLASTIC	n/a	3.6	m
0	1003322989	n/a	n/a	PLASTIC	n/a	3.9	m
1	1003323029	5.1	cm	PLASTIC	0	3.9	m
2	1003323030	5.1	cm	PLASTIC	3.9	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	FILL	n/a	BROWN	0	2.4	m
2	SAND	DENSE	n/a	BROWN	2.4	5.5	m
3	SAND	SILT	n/a	BROWN	5.5	5.8	m
4	SAND	WATER-BEARING	n/a	BROWN	5.8	7.9	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.20

Latitude: 43.968423
Longitude: -79.258401

Well ID: 7147593

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A097451
Audit No: M01852
Contractor License: 7320
Well Completion Date: 06/23/2010
Received Date: 06/30/2010

WELL

Well Status: 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: FRESH

PUMP TEST

Test Method:		**Pipe ID:**	
Pump Set (m):	n/a	**Pump Test ID**	1003323017
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003322980	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003322998	n/a	n/a	PLASTIC	n/a	3.6	m
0	1003323016	n/a	n/a	PLASTIC	n/a	3.6	m
0	1003323007	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003322989	n/a	n/a	PLASTIC	n/a	3.9	m
1	1003323029	5.1	cm	PLASTIC	0	3.9	m
2	1003323030	5.1	cm	PLASTIC	3.9	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	FILL	n/a	BROWN	0	2.4	m
2	SAND	DENSE	n/a	BROWN	2.4	5.5	m
3	SAND	SILT	n/a	BROWN	5.5	5.8	m
4	SAND	WATER-BEARING	n/a	BROWN	5.8	7.9	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.25

Latitude: 43.968457
Longitude: -79.25825

Well ID: **7147593**

LOCATION

Lot:	n/a	**Tag:**	A097451
Con:	n/a	**Audit No:**	M01852
Municipality:	YORK	**Contractor License:**	7320
Township:	STOUFFVILLE VILLAGE	**Well Completion Date:**	06/22/2010
Street:	5945 MAIN ST	**Received Date:**	06/30/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	n/a	**Water Kind:**	FRESH

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003322978
Pump Set (m):	n/a	**Pump Test ID**	1003323017
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003322980	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003322998	n/a	n/a	PLASTIC	n/a	3.6	m
0	1003323007	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003322989	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003323016	n/a	n/a	PLASTIC	n/a	3.6	m
1	1003323029	5.1	cm	PLASTIC	0	3.9	m
2	1003323030	5.1	cm	PLASTIC	3.9	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	FILL	n/a	BROWN	0	2.4	m
2	SAND	DENSE	n/a	BROWN	2.4	5.5	m
3	SAND	SILT	n/a	BROWN	5.5	5.8	m
4	SAND	WATER-BEARING	n/a	BROWN	5.8	7.9	m

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	270.22

Latitude: 43.968445
Longitude: -79.258114

Well ID: 7147593

LOCATION

Lot:	n/a	**Tag:**	A097451
Con:	n/a	**Audit No:**	M01852
Municipality:	YORK	**Contractor License:**	7320
Township:	STOUFFVILLE VILLAGE	**Well Completion Date:**	06/23/2010
Street:	5945 MAIN ST	**Received Date:**	06/30/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	n/a	**Water Kind:**	FRESH

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003323014
Pump Set (m):	n/a	**Pump Test ID**	1003322999
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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	
0	1003323016	n/a	n/a	PLASTIC	n/a	3.6	m
0	1003322989	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003322980	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003322998	n/a	n/a	PLASTIC	n/a	3.6	m
0	1003323007	n/a	n/a	PLASTIC	n/a	3.9	m
1	1003323029	5.1	cm	PLASTIC	0	3.9	m
2	1003323030	5.1	cm	PLASTIC	3.9	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	FILL	n/a	BROWN	0	2.4	m
2	SAND	DENSE	n/a	BROWN	2.4	5.5	m
3	SAND	SILT	n/a	BROWN	5.5	5.8	m
4	SAND	WATER-BEARING	n/a	BROWN	5.8	7.9	m

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	270.06

Latitude: 43.968511
Longitude: -79.258311

Well ID: 7147593

LOCATION

Lot:	n/a	**Tag:**	A097451
Con:	n/a	**Audit No:**	M01852
Municipality:	YORK	**Contractor License:**	7320
Township:	STOUFFVILLE VILLAGE	**Well Completion Date:**	06/22/2010
Street:	5945 MAIN ST	**Received Date:**	06/30/2010
City:	STOUFFVILLE		

WELL

Well Status:	Test Hole	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	m
Boring Method:	H.S.A.	**Water Kind:**	FRESH

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1003323005
Pump Set (m):	n/a	**Pump Test ID**	1003322999
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a	**Pump Duration (hr):**	n/a
Pump Rate:	n/a	**Pump Duration (m):**	n/a
Recom. Rate:	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

0	1003322980	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003322998	n/a	n/a	PLASTIC	n/a	3.6	m
0	1003323007	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003322989	n/a	n/a	PLASTIC	n/a	3.9	m
0	1003323016	n/a	n/a	PLASTIC	n/a	3.6	m
1	1003323029	5.1	cm	PLASTIC	0	3.9	m
2	1003323030	5.1	cm	PLASTIC	3.9	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	FILL	n/a	BROWN	0	2.4	m
2	SAND	DENSE	n/a	BROWN	2.4	5.5	m
3	SAND	SILT	n/a	BROWN	5.5	5.8	m
4	SAND	WATER-BEARING	n/a	BROWN	5.8	7.9	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.34

Latitude: 43.968673
Longitude: -79.258257

Well ID: **7148037**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag: A075783
Audit No: M04448
Contractor License: 7320
Well Completion Date: 04/19/2010
Received Date: 07/09/2010

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:
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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	268.78

Latitude: 43.968272
Longitude: -79.26035

Well ID: **7148763**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5827 MAIN STREET
City: STOUFFVILLE

Tag: A088520
Audit No: Z107637
Contractor License: 7201
Well Completion Date: 05/27/2010
Received Date: 07/22/2010

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	1003258720	2	inch	PLASTIC	0	2.75	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	SAND	LOOSE	BROWN	0	4	ft
2	SAND	GRAVEL	LOOSE	GREY	4	4	ft
3	SILT	CLAY	DENSE	GREY	4	20	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.03

Latitude: 43.968332
Longitude: -79.258952

Well ID: 7150404

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: WINONA & STOUFFVILLE MAIN ST.
City: STOUFFVILLE

Tag: A102910
Audit No: Z113299
Contractor License: 7241
Well Completion Date: 08/06/2010
Received Date: 08/25/2010

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Convent.)

Well Depth (m): 3.048
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	1003325841	4.03	inch	PLASTIC	0	5.49	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	GRAVEL	LOOSE	BROWN	0	1.22	ft
2	SAND	SILT	DENSE	BROWN	1.22	10	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.08

Latitude: 43.968348
Longitude: -79.258802

Well ID: 7150405

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: WINONA& MAIN ST.
City: STOUFFVILLE

Tag: A099838
Audit No: Z93756
Contractor License: 7241
Well Completion Date: 08/06/2010
Received Date: 08/25/2010

ELL

Well Status: Monitoring and Test Hole
Prim. Use:

Well Depth (m): 2.04216
Depth to Bedrock (m): n/a

WE

Sec. Use: n/a
Boring Method: Rotary (Convent.)

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	1003325853	4.03	inch	PLASTIC	0	3.7 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	GRAVEL	LOOSE	BROWN	0	1.22 ft
2	SAND	SILT	DENSE	BROWN	1.22	6.7 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.13

Latitude: 43.968401
Longitude: -79.258738

Well ID: 7150406

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: WINONA & MAIN ST. STOUFFVILLE
City: STOUFFVILLE

Tag: A099841
Audit No: Z93757
Contractor License: 7241
Well Completion Date: 08/06/2010
Received Date: 08/25/2010

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Convent.)

Well Depth (m): 1.95072
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	1003325925	4.03	inch	PLASTIC	0	3.35 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	GRAVEL	LOOSE	BROWN	0	1.22 ft
2	SAND	SILT	DENSE	BROWN	1.22	6.4 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.13

Latitude: 43.968401
Longitude: -79.258738

Well ID: 7150407

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: WINONA & MAIN ST.
City: STOUFFVILLE

Tag: A096832
Audit No: Z93758
Contractor License: 7241
Well Completion Date: 08/06/2010
Received Date: 08/25/2010

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Convent.)

Well Depth (m): 2.322576
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	1003325939	4.03	inch	PLASTIC	0	4.57	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	GRAVEL	LOOSE	BROWN	0	1.22	ft
2	SAND	SILT	DENSE	BROWN	1.22	7.62	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.29

Latitude: 43.968832
Longitude: -79.257504

Well ID: 7151965

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag: A096359
Audit No: Z121090
Contractor License: 7241
Well Completion Date: 08/16/2010
Received Date: 09/24/2010

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Other Method

Well Depth (m): 7
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	1003511100	5.2	cm	PLASTIC	0	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	SOFT	BROWN	1	6	m
3	SILT	SAND	SOFT	GREY	6	7	m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.54

Latitude: 43.969305
Longitude: -79.256032

Well ID: 7163758

TION

Lot: n/a
Con: n/a
Municipality:

Tag: A114291
Audit No: Z133240
Contractor License: 7241

LOCA

Township: YORK STOUFFVILLE VILLAGE
Street: MAIN STREET & NINTH LINE
City: STOUFFVILLE

Well Completion Date: 05/17/2011
Received Date: 06/02/2011

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Other Method

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	1003794378	1.5	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	n/a	BROWN	0	5	ft
2	SILT	SAND	n/a	BROWN	5	14	ft
3	SAND	n/a	n/a	BROWN	14	20	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.58

Latitude: 43.969358
Longitude: -79.255943

Well ID: **7163759**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWP
Street: MAIN STREET & NINTH LINE
City: STOUFFVILLE

Tag: A114292
Audit No: Z133241
Contractor License: 7241
Well Completion Date: 05/17/2011
Received Date: 06/02/2011

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Other Method

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	1003794411	1.5	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	n/a	BROWN	0	5	ft
2	SILT	SAND	n/a	BROWN	5	14	ft
3	SAND	n/a	n/a	BROWN	14	20	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.66

Latitude: 43.969456
Longitude: -79.255865

Well ID: **7163760**

LOCATION

Lot:	n/a	**Tag:**	A114293
Con:	n/a	**Audit No:**	Z133250
Municipality:	YORK	**Contractor License:**	7241
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWF	**Well Completion Date:**	05/17/2011
Street:	MAIN STREET & NINTH LINE	**Received Date:**	06/02/2011
City:	STOUFFVILLE		

WELL

Well Status:	Monitoring and Test Hole	**Well Depth (m):**	5.1816
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Other Method	**Water Kind:**	

PUMP TEST

Test Method:		**Pipe ID:**	
Pump Set (m):		**Pump Test ID**	
SWL (ft)		**Flowing:**	
Final Level:		**Pump Duration (hr):**	
Pump Rate:		**Pump Duration (m):**	
Recom. Rate:			

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	1003796559	1.5	inch	PLASTIC	0	7	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	5	ft
2	SILT	SAND	n/a	BROWN	5	11	ft
3	SAND	n/a	n/a	BROWN	11	17	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.35

Latitude: 43.969051
Longitude: -79.257074

Well ID: **7163761**

LOCATION

Lot:	n/a	**Tag:**	A114259
Con:	n/a	**Audit No:**	Z133246
Municipality:	YORK	**Contractor License:**	7241
Township:	WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)	**Well Completion Date:**	05/16/2011
Street:	MAIN STREET & FAIRVIEW	**Received Date:**	06/02/2011
City:	STOUFFVILLE		

WELL

Well Status:	Monitoring and Test Hole	**Well Depth (m):**	6.096
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Other Method	**Water Kind:**	

PUMP TEST

Test Method:		**Pipe ID:**	
Pump Set (m):		**Pump Test ID**	
SWL (ft)		**Flowing:**	
Final Level:		**Pump Duration (hr):**	
Pump Rate:		**Pump Duration (m):**	
Recom. Rate:			

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	1003796573	1.5	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	GRAVEL	n/a	BROWN	0	12	ft
2	SAND	n/a	n/a	BROWN	12	20	ft

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	270.33

Latitude: 43.968973
Longitude: -79.257313

Well ID: 7163762

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: MAIN STREET & FAIRVIEW
City: STOUFFVILLE

Tag: A114260
Audit No: Z133247
Contractor License: 7241
Well Completion Date: 05/16/2011
Received Date: 06/02/2011

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Other Method

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	1003796652	1.5	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	GRAVEL	n/a	BROWN	0	12	ft
2	SAND	n/a	n/a	BROWN	12	20	ft

End of Record

---

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	270.56

Latitude: 43.969293
Longitude: -79.257004

Well ID: 7163763

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: MAIN STREET & FAIRVIEW
City: STOUFFVILLE

Tag: A115804
Audit No: Z133248
Contractor License: 7241
Well Completion Date: 05/16/2011
Received Date: 06/02/2011

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Other Method

Well Depth (m): 5.1816
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	1003796667	1.5	inch	PLASTIC	0	7	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	n/a	BROWN	0	5	ft
2	SILT	SAND	n/a	BROWN	5	10	ft
3	SAND	n/a	n/a	BROWN	10	17	ft

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.31

Latitude: 43.968634
Longitude: -79.258058

Well ID: 7165138

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAN ST
City: STOUFFVILLE

Tag: A114133
Audit No: Z129313
Contractor License: 7320
Well Completion Date: 06/16/2011
Received Date: 07/14/2011

WELL

Well Status: Replacement Well
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Boring

Well Depth (m): 6.4
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	1003865548	5.1	cm	PLASTIC	0	3.3	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	SILT	PACKED	BROWN	0	5.6	m
2	SAND	GRAVEL	LOOSE	BROWN	5.6	6.4	m

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.42

Latitude: 43.968841
Longitude: -79.258052

Well ID: 7171589

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street:
City: n/a

Tag: A118708
Audit No: M00964
Contractor License: 7241
Well Completion Date: 08/31/2011
Received Date: 11/15/2011

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 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

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	267.18

Latitude: 43.967499
Longitude: -79.254501

Well ID: 7187755

LOCATION

Lot: 035
Con: 09
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 276 SUNSET BLVD
City: STOUFFVILLE

Tag: A120848
Audit No: Z148579
Contractor License: 7241
Well Completion Date: 08/30/2012
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): 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	1004435731	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	DENSE	BROWN	0	14	ft
2	SAND	SILT	WATER-BEARING	BROWN	14	20	ft

End of Record

---

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	270.21

Latitude: 43.968479
Longitude: -79.258561

Well ID: 7247051

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag:
Audit No: Z208084
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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	
0	1005724338	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.22

Latitude: 43.968488
Longitude: -79.258524

Well ID: 7247052

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag:
Audit No: Z208082
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005724346	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.23

Latitude: 43.968496
Longitude: -79.258499

Well ID: 7247053

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag:
Audit No: Z208083
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005724354	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.24

Latitude: 43.968505
Longitude: -79.258486

Well ID: 7247054

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag:
Audit No: Z213306
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005724362	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.24

Latitude: 43.968514
Longitude: -79.258461

Well ID: 7247055

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag:
Audit No: Z213305
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: ft
Water Kind:

TEST

Test Method:
Pump Set (m):
SWL (ft)

Pipe ID:
Pump Test ID
Flowing:

PUMP

Final Level: **Pump Duration (hr):**
Pump Rate: **Pump Duration (m):**
Recom. Rate:

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
0	1005724370	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.25

Latitude: 43.968523
Longitude: -79.258448

Well ID: 7247056

LOCATION

Lot: n/a **Tag:**
Con: n/a **Audit No:** Z213304
Municipality: YORK **Contractor License:** 7241
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP) **Well Completion Date:** 08/04/2015
Street: 5945 MAIN ST **Received Date:** 08/24/2015
City: STOUFFVILLE

WELL

Well Status: Abandoned-Other **Well Depth (m):** 0
Prim. Use: n/a **Depth to Bedrock (m):** n/a
Sec. Use: n/a **Depth to Water:** ft
Boring Method: n/a **Water Kind:**

PUMP TEST

Test Method: **Pipe ID:**
Pump Set (m): **Pump Test ID**
SWL (ft) **Flowing:**
Final Level: **Pump Duration (hr):**
Pump Rate: **Pump Duration (m):**
Recom. Rate:

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
0	1005724378	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.26

Latitude: 43.968531
Longitude: -79.258423

Well ID: 7247057

LOCATION

Lot: n/a **Tag:**
Con: n/a **Audit No:** Z213310
Municipality: YORK **Contractor License:** 7241
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP) **Well Completion Date:** 08/04/2015
Street: 5945 MAIN ST **Received Date:** 08/24/2015
City: STOUFFVILLE

WELL

Well Status: Abandoned-Other **Well Depth (m):** 0
Prim. Use: n/a **Depth to Bedrock (m):** n/a
Sec. Use: n/a **Depth to Water:** ft
Boring Method: n/a **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
0	1005724386	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.26

Latitude: 43.96854
Longitude: -79.25841

Well ID: 7247058

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street:
City: n/a

Tag:
Audit No: Z213307
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005724394	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.27

Latitude: 43.968549
Longitude: -79.258385

Well ID: 7247059

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street:
City: n/a

Tag:
Audit No: Z213308
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

ELL

Well Status: Abandoned-Other
Prim. Use:

Well Depth (m): 0
Depth to Bedrock (m): n/a

WE

Sec. Use: n/a
Boring Method: 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
0	1005724484	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.26

Latitude: 43.968539
Longitude: -79.258373

Well ID: 7247060

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag:
Audit No: Z213309
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005724589	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.28

Latitude: 43.968566
Longitude: -79.258359

Well ID: 7247061

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN ST
City: STOUFFVILLE

Tag:
Audit No: Z213095
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005724597	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.29

Latitude: 43.968575
Longitude: -79.258347

Well ID: **7247062**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street:
City: n/a

Tag:
Audit No: Z213096
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005724649	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.29

Latitude: 43.968584
Longitude: -79.258321

Well ID: **7247075**

TION

Lot: 035
Con: 08
Municipality:

Tag:
Audit No: Z213100
Contractor License: 7241

LOCA

Township: YORK WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN STREET
City: STOUFFVILLE

Well Completion Date: 08/07/2015
Received Date: 08/24/2015

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: 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
0	1005714449	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.30

Latitude: 43.968592
Longitude: -79.258309

Well ID: **7247076**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN STEEET
City: STOUFFVILLE

Tag:
Audit No: Z213097
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005714460	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.30

Latitude: 43.968601
Longitude: -79.258284

Well ID: **7247077**

LOCATION

Lot:	n/a	**Tag:**	
Con:	n/a	**Audit No:**	Z213099
Municipality:	YORK	**Contractor License:**	7241
Township:	WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)	**Well Completion Date:**	08/04/2015
Street:	5945 MAIN STREET	**Received Date:**	08/24/2015
City:	n/a		

WELL

Well Status:	Abandoned-Other	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	n/a	**Water Kind:**	

PUMP TEST

Test Method:		**Pipe ID:**	
Pump Set (m):		**Pump Test ID**	
SWL (ft)		**Flowing:**	
Final Level:		**Pump Duration (hr):**	
Pump Rate:		**Pump Duration (m):**	
Recom. Rate:			

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
0	1005714471	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.31

Latitude: 43.96861
Longitude: -79.258271

Well ID: **7247078**

LOCATION

Lot:	n/a	**Tag:**	
Con:	n/a	**Audit No:**	Z213098
Municipality:	YORK	**Contractor License:**	7241
Township:	WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)	**Well Completion Date:**	08/04/2015
Street:	5945 MAIN STREET	**Received Date:**	08/24/2015
City:	STOUFFVILLE		

WELL

Well Status:	Abandoned-Other	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	n/a	**Water Kind:**	

PUMP TEST

Test Method:		**Pipe ID:**	
Pump Set (m):		**Pump Test ID**	
SWL (ft)		**Flowing:**	
Final Level:		**Pump Duration (hr):**	
Pump Rate:		**Pump Duration (m):**	
Recom. Rate:			

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
0	1005714497	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

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	270.31

Latitude: 43.968619
Longitude: -79.258258

Well ID: 7247079

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag:
Audit No: Z211901
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005714508	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

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	270.31

Latitude: 43.968619
Longitude: -79.258246

Well ID: 7247080

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag:
Audit No: Z211902
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005714519	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

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	270.32

Latitude: 43.968627
Longitude: -79.258233

Well ID: 7247081

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag:
Audit No: Z211903
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005714533	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

End of Record

---

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	270.32

Latitude: 43.968636
Longitude: -79.258233

Well ID: 7247082

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag:
Audit No: Z211905
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005714544	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

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.32

Latitude: 43.968636
Longitude: -79.25822

Well ID: **7247083**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag:
Audit No: Z211904
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005714555	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

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.32

Latitude: 43.968645
Longitude: -79.258207

Well ID: **7247084**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag:
Audit No: Z208808
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005714566	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.32

Latitude: 43.968645
Longitude: -79.258195

Well ID: 7247085

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag:
Audit No: Z208811
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005714577	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.33

Latitude: 43.968654
Longitude: -79.258182

Well ID: 7247086

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag:
Audit No: Z208807
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005714585	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.33

Latitude: 43.968662
Longitude: -79.25817

Well ID: 7247087

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag:
Audit No: Z208810
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: 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
0	1005714596	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.34

Latitude: 43.968671
Longitude: -79.258157

Well ID: 7247088

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5945 MAIN STREET
City: STOUFFVILLE

Tag:
Audit No: Z211632
Contractor License: 7241
Well Completion Date: 08/04/2015
Received Date: 08/24/2015

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: ft
Water Kind:

TEST

Test Method:
Pump Set (m):
SWL (ft)

Pipe ID:
Pump Test ID
Flowing:

PUMP

Final Level: **Pump Duration (hr):**
Pump Rate: **Pump Duration (m):**
Recom. Rate:

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
0	1005714607	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.33

Latitude: 43.968654
Longitude: -79.258182

Well ID: 7247089

LOCATION

Lot: n/a **Tag:**
Con: n/a **Audit No:** Z211631
Municipality: YORK **Contractor License:** 7241
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP) **Well Completion Date:** 08/04/2015
Street: 5945 MAIN STREET **Received Date:** 08/24/2015
City: STOUFFVILLE

WELL

Well Status: Abandoned-Other **Well Depth (m):** 0
Prim. Use: n/a **Depth to Bedrock (m):** n/a
Sec. Use: n/a **Depth to Water:** ft
Boring Method: n/a **Water Kind:**

PUMP TEST

Test Method: **Pipe ID:**
Pump Set (m): **Pump Test ID**
SWL (ft) **Flowing:**
Final Level: **Pump Duration (hr):**
Pump Rate: **Pump Duration (m):**
Recom. Rate:

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
0	1005714618	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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.33

Latitude: 43.968661
Longitude: -79.258082

Well ID: 7258434

LOCATION

Lot: 035 **Tag:** A191956
Con: 08 **Audit No:** C30359
Municipality: YORK **Contractor License:** 7464
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP) **Well Completion Date:** 10/07/2015
Street: **Received Date:** 03/01/2016
City: n/a

WELL

Well Status: <null> **Well Depth (m):** 0
Prim. Use: n/a **Depth to Bedrock (m):** n/a
Sec. Use: n/a **Depth to Water:**
Boring Method: **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

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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.61

Latitude: 43.971871
Longitude: -79.260756

Well ID: 7260914

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 392 ELM RD.
City: STOUFFVILLE

Tag: A182288
Audit No: Z222033
Contractor License: 7383
Well Completion Date: 06/02/2015
Received Date: 04/04/2016

WELL

Well Status: Test Hole
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 Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1006008099	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	OTHER	n/a	n/a	n/a	0	6 ft
2	FILL	n/a	n/a	n/a	6	12 ft
3	SAND	SILTY	TILL	n/a	12	15 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.28

Latitude: 43.968574
Longitude: -79.258297

Well ID: 7262420

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street:
City: n/a

Tag: A191957
Audit No: C30360
Contractor License: 7464
Well Completion Date: 10/07/2015
Received Date: 05/03/2016

:LL

Well Status: <null>
Prim. Use:

Well Depth (m): 0
Depth to Bedrock (m): n/a

WE

Sec. Use: n/a
Boring Method:

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

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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.34

Latitude: 43.9692
Longitude: -79.255648

Well ID: 7267184

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 6037 MAIN ST
City: STOUFFVILLE

Tag: A192766
Audit No: Z220019
Contractor License: 6607
Well Completion Date: 12/18/2015
Received Date: 07/20/2016

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:

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	1006170197	n/a	cm	<null>	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
1	SAND	GRAVEL	FILL	BROWN	0	2.2 m
2	SAND	SILT	DENSE	BROWN	2.2	4.3 m
3	SILT	SAND	SOFT	GREY	4.3	6.1 m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.33

Latitude: 43.969192
Longitude: -79.255673

Well ID: 7272425

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 6031 & 6037 MAIN STREET
City: STOUFFVILLE

Tag: A187632
Audit No: Z228844
Contractor License: 7247
Well Completion Date: 01/20/2016
Received Date: 09/28/2016

WELL

Well Status: Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Convent.)

Well Depth (m): 6.096
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 Diamter	Diamter Units	Material	Top Depth	Bottom Depth	
1	1006337229	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	CLAY	SILTY	FILL	BROWN	0	2.5	ft
2	SAND	SILTY	TILL	BROWN	2.5	15	ft
3	SILT	n/a	n/a	BROWN	15	20	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.39

Latitude: 43.969675
Longitude: -79.254325

Well ID: **7284312**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: MAIN ST
City: STOUFFVILLE

Tag: A212291
Audit No: Z232051
Contractor License: 7383
Well Completion Date: 11/24/2016
Received Date: 04/05/2017

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 Diamter	Diamter Units	Material	Top Depth	Bottom Depth	
1	1006624872	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	SILTY	n/a	n/a	0	15	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.75

Latitude: 43.969694
Longitude: -79.258538

Well ID: **7286765**

TION

Lot: 001
Con: 08
Municipality:

Tag: A216332
Audit No: C37210
Contractor License: 7147

LOCA

Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWP
Street:
City: n/a

Well Completion Date:
Received Date: 05/17/2017

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

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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968862
Longitude: -79.255346

Well ID: **7297810**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 6031 MAIN ST.
City: STOUFFVILLE

Tag: A223254
Audit No: Z258659
Contractor License: 7247
Well Completion Date: 05/09/2017
Received Date: 10/23/2017

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: Monitoring
Boring Method: Rotary (Convent.)

Well Depth (m): 6.096
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 Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1006963028	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	SILT	CLAY	BROWN	0	2.5 ft
2	SILT	SAND	TILL	BROWN	2.5	13 ft
3	SAND	SILT	CLAY	BROWN	13	20 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	270.07

Latitude: 43.968269
Longitude: -79.258318

Well ID: **7299005**

LOCATION

Lot:	n/a	**Tag:**	A232274
Con:	n/a	**Audit No:**	C38974
Municipality:	YORK	**Contractor License:**	7215
Township:	WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)	**Well Completion Date:**	09/14/2017
Street:		**Received Date:**	11/09/2017
City:	n/a		

WELL

Well Status:	<null>	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:		**Water Kind:**	

PUMP TEST

Test Method:		**Pipe ID:**	
Pump Set (m):		**Pump Test ID**	
SWL (ft)		**Flowing:**	
Final Level:		**Pump Duration (hr):**	
Pump Rate:		**Pump Duration (m):**	
Recom. Rate:			

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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.967738
Longitude: -79.261936

Well ID: 7306496

LOCATION

Lot:	n/a	**Tag:**	A201428
Con:	n/a	**Audit No:**	Z272458
Municipality:	YORK	**Contractor License:**	7247
Township:	WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)	**Well Completion Date:**	10/20/2017
Street:	5847-5859 MAIN ST	**Received Date:**	02/27/2018
City:	STOUFFVILLE		

WELL

Well Status:	Observation Wells	**Well Depth (m):**	5.334
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	Monitoring	**Depth to Water:**	ft
Boring Method:	Rotary (Convent.)	**Water Kind:**	Untested

PUMP TEST

Test Method:		**Pipe ID:**	
Pump Set (m):		**Pump Test ID**	
SWL (ft)		**Flowing:**	
Final Level:		**Pump Duration (hr):**	
Pump Rate:		**Pump Duration (m):**	
Recom. Rate:			

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	1007170872	2	inch	PLASTIC	0	7.5 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	SILT	LOOSE	BROWN	0	4 ft
2	SILT	SAND	WATER-BEARING	BROWN	4	17.5 ft

End of Record

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968362
Longitude: -79.259724

Well ID: 7317698

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street:
City: n/a

Tag:
Audit No: C43032
Contractor License: 7147
Well Completion Date:
Received Date: 08/29/2018

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 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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.969678
Longitude: -79.259249

Well ID: 7320922

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street:
City: n/a

Tag: A247240
Audit No: C43048
Contractor License: 7147
Well Completion Date: 09/28/2018
Received Date: 10/18/2018

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 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

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.969242
Longitude: -79.257791

Well ID: 7321282

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5946 MAIN STREET
City: STOUFFVILLE

Tag: A247238
Audit No: Z271394
Contractor License: 7147
Well Completion Date:
Received Date: 10/31/2018

WELL

Well Status: Observation Wells
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Boring

Well Depth (m): 7.6
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	1007560497	5	cm	PLASTIC	0	4.6	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	FILL	n/a	n/a	BLACK	0	0.5	m
2	SAND	n/a	n/a	BROWN	0.5	7.6	m

End of Record

---

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.969162
Longitude: -79.257856

Well ID: 7321628

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5946 MAIN ST
City: STOUFFVILLE

Tag: A254353
Audit No: Z295306
Contractor License: 7241
Well Completion Date: 08/28/2018
Received Date: 11/01/2018

WELL

Well Status: Observation Wells
Prim. Use: n/a
Sec. Use: Monitoring
Boring Method: Auger

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 Diamter	Diamter Units	Material	Top Depth	Bottom Depth	
1	1007570746	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	GRAVEL	SAND	FILL	BROWN	0	2	ft
2	SAND	SILT	DENSE	BROWN	2	15	ft
3	SILT	SAND	DENSE	GREY	15	25	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.969126
Longitude: -79.257894

Well ID: **7321629**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5946 MAIN ST
City: STOUFFVILLE

Tag: A254354
Audit No: Z295305
Contractor License: 7241
Well Completion Date: 08/28/2018
Received Date: 11/01/2018

WELL

Well Status: Observation Wells
Prim. Use: n/a
Sec. Use: Monitoring
Boring Method: Auger

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 Diamter	Diamter Units	Material	Top Depth	Bottom Depth	
1	1007570771	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	SAND	GRAVEL	FILL	BROWN	0	2	ft
2	SAND	SILT	DENSE	BROWN	2	15	ft
3	SILT	SAND	DENSE	BROWN	15	25	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.969134
Longitude: -79.258393

Well ID: **7321630**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5946 MAIN ST
City: STOUFFVILLE

Tag: A254407
Audit No: Z295304
Contractor License: 7241
Well Completion Date: 08/28/2018
Received Date: 11/01/2018

WELL

Well Status: Observation Wells
Prim. Use: n/a
Sec. Use: Monitoring
Boring Method: Auger

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 Diamter	Diamter Units	Material	Top Depth	Bottom Depth	
1	1007570785	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	GRAVEL	SAND	FILL	BROWN	0	2 ft
2	SAND	SILT	DENSE	BROWN	2	15 ft
3	SAND	SILT	n/a	GREY	15	25 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968084
Longitude: -79.259819

Well ID: 7329083

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street:
City: n/a

Tag: A262691
Audit No: C44668
Contractor License: 7230
Well Completion Date: 12/20/2018
Received Date: 02/22/2019

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 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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.970067
Longitude: -79.254077

Well ID: 7329100

LOCATION

Lot: 001
Con: 09
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWP
Street:
City: n/a

Tag: A262701
Audit No: C43593
Contractor License: 7230
Well Completion Date: 11/28/2018
Received Date: 02/22/2019

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 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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968567
Longitude: -79.2572

Well ID: 7332353

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5991 MAIN STREET
City: STOUFFVILLE

Tag: A265241
Audit No: Z307852
Contractor License: 7644
Well Completion Date: 03/25/2019
Received Date: 05/02/2019

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: Monitoring
Boring Method: Rotary (Convent.)

Well Depth (m): 6.096
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 Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1007919198	2	inch	PLASTIC	-2.5	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	GRAVEL	PACKED	BROWN	0	10 ft
2	SAND	SILT	GRAVEL	BROWN	10	20 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968658
Longitude: -79.25726

Well ID: 7332354

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5991 MAIN ST.
City: STOUFFVILLE

Tag: A265238
Audit No: Z307853
Contractor License: 7644
Well Completion Date: 03/21/2019
Received Date: 05/02/2019

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: Monitoring
Boring Method: Rotary (Convent.)

Well Depth (m): 6.096
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: Untested

TEST

Test Method:
Pump Set (m):
SWL (ft)

Pipe ID:
Pump Test ID
Flowing:

PUMP

Final Level: **Pump Duration (hr):**
Pump Rate: **Pump Duration (m):**
Recom. Rate:

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	1007919210	2	inch	PLASTIC	-2.5	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	SAND	GRAVEL	BROWN	0	10 ft
2	SAND	SILT	LOOSE	BROWN	10	20 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968773
Longitude: -79.257181

Well ID: **7332355**

LOCATION

Lot: 035 **Tag:** A265233
Con: 08 **Audit No:** Z307854
Municipality: YORK **Contractor License:** 7644
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP) **Well Completion Date:** 03/27/2019
Street: 5991 Main Street **Received Date:** 05/02/2019
City: STOUFFVILLE

WELL

Well Status: Monitoring and Test Hole **Well Depth (m):** 15.24
Prim. Use: n/a **Depth to Bedrock (m):** n/a
Sec. Use: n/a **Depth to Water:** ft
Boring Method: Rotary (Convent.) **Water Kind:** Untested

PUMP TEST

Test Method: n/a **Pipe ID:** 1007844568
Pump Set (m): n/a **Pump Test ID** 1007851268
SWL (ft) n/a **Flowing:** n/a
Final Level: n/a ft **Pump Duration (hr):** n/a
Pump Rate: n/a GPM **Pump Duration (m):** n/a
Recom. Rate: n/a GPM

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	1007849822	2	Inch	PLASTIC	-2.5	40 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	SAND	GRAVEL	BROWN	0	10 ft
2	SAND	SILT	LOOSE	BROWN	10	40 ft
3	CLAY	SILT	GRAVEL	GREY	40	50 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968783
Longitude: -79.257206

Well ID: **7332356**

LOCATION

Lot: 035 **Tag:** A260490
Con: 08 **Audit No:** Z307913
Municipality: YORK **Contractor License:** 7644
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP) **Well Completion Date:** 03/21/2019
Street: 5991 Main Street **Received Date:** 05/02/2019
City: STOUFFVILLE

WELL

Well Status: Monitoring and Test Hole **Well Depth (m):** 6.7056
Prim. Use: n/a **Depth to Bedrock (m):** n/a
Sec. Use: n/a **Depth to Water:** ft
Boring Method: Rotary (Convent.) **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: 1007844569
Pump Test ID 1007851269
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	1007849823	2	Inch	PLASTIC	-2.5	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	SAND	GRAVEL	BROWN	0	10 ft
2	SAND	SILT	LOOSE	BROWN	10	22 ft
3	n/a	n/a	n/a	n/a	22	n/a ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.96872
Longitude: -79.257844

Well ID: 7332357

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5991 Main Street
City: STOUFFVILLE

Tag: A260489
Audit No: Z307914
Contractor License: 7644
Well Completion Date: 03/19/2019
Received Date: 05/02/2019

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Convent.)

Well Depth (m): 6.096
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: 1007844570
Pump Test ID 1007851270
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	1007849824	2	Inch	PLASTIC	-2.5	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	SAND	GRAVEL	BROWN	0	10 ft
2	SAND	SILT	LOOSE	BROWN	10	20 ft
3	n/a	n/a	n/a	n/a	20	n/a ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968707
Longitude: -79.257545

Well ID: 7332358

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5991 Main Street
City: STOUFFVILLE

Tag: A249608
Audit No: Z307915
Contractor License: 7644
Well Completion Date: 03/20/2019
Received Date: 05/02/2019

ELL

Well Status: Monitoring and Test Hole
Prim. Use:

Well Depth (m): 6.7056
Depth to Bedrock (m): n/a

WE

Sec. Use: n/a
Boring Method: Rotary (Convent.)

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: 1007844571
Pump Test ID 1007851271
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	1007849825	2	Inch	PLASTIC	-2.5	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	SAND	GRAVEL	BROWN	0	10 ft
2	SAND	SILT	LOOSE	BROWN	10	22 ft
3	n/a	n/a	n/a	n/a	22	n/a ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968557
Longitude: -79.257774

Well ID: 7332359

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5991 Main Street
City: STOUFFVILLE

Tag: A260488
Audit No: Z307905
Contractor License: 7644
Well Completion Date: 03/18/2019
Received Date: 05/05/2019

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Convent.)

Well Depth (m): 6.096
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: 1007844572
Pump Test ID 1007851272
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	1007849826	2	Inch	PLASTIC	-2.5	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	SAND	GRAVEL	BROWN	0	15 ft
2	SAND	SILT	LOOSE	BROWN	15	20 ft
3	n/a	n/a	n/a	n/a	20	n/a ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968558
Longitude: -79.257225

Well ID: 7332360

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5991 Main Street
City: STOUFFVILLE

Tag: A260491
Audit No: Z307909
Contractor License: 7644
Well Completion Date: 03/22/2019
Received Date: 05/02/2019

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Convent.)

Well Depth (m): 6.7056
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: 1007844573
Pump Test ID 1007851273
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	1007849827	2	Inch	PLASTIC	-2.5	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	SAND	GRAVEL	BROWN	0	10	ft
2	SAND	SILT	LOOSE	BROWN	10	22	ft
3	n/a	n/a	n/a	n/a	22	n/a	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968637
Longitude: -79.257123

Well ID: **7332361**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: STOUFFVILLE VILLAGE
Street: 5991 Main Street
City: STOUFFVILLE

Tag: A265241
Audit No: Z307910
Contractor License: 7644
Well Completion Date: 03/22/2019
Received Date: 05/02/2019

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Convent.)

Well Depth (m): 6.096
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: 1007844574
Pump Test ID 1007851274
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	1007849828	2	Inch	PLASTIC	-2.5	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	SAND	GRAVEL	BROWN	0	10	ft
2	SAND	SILT	LOOSE	BROWN	10	20	ft
3	n/a	n/a	n/a	n/a	20	n/a	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968781
Longitude: -79.257106

Well ID: **7332362**

TION

Lot: 035
Con: 08
Municipality:

Tag: A265232
Audit No: Z289675
Contractor License: 7644

LOCA

Township: YORK WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5991 Main Street
City: STOUFFVILLE

Well Completion Date: 03/28/2019
Received Date: 05/02/2019

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Convent.)

Well Depth (m): 6.7056
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: 1007844575
Pump Test ID 1007851275
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	1007849829	2	Inch	PLASTIC	-2.5	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	SAND	GRAVEL	BROWN	0	10 ft
2	SAND	SILT	LOOSE	BROWN	10	22 ft
3	n/a	n/a	n/a	n/a	22	n/a ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.96991
Longitude: -79.257909

Well ID: **7342320**

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWP
Street: 37 WINONA
City: STOUFFVILLE

Tag: A267909
Audit No: Z313328
Contractor License: 7241
Well Completion Date: 06/21/2019
Received Date: 07/23/2019

WELL

Well Status: Monitoring and Test Hole
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Other Method

Well Depth (m): 6.096
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: 1008208012
Pump Test ID 1008211256
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	1008210557	n/a	n/a	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	n/a	BROWN	0	10 ft
2	SAND	SILT	n/a	BROWN	10	15 ft
3	SAND	SILT	n/a	GREY	15	20 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.96986
Longitude: -79.258172

Well ID: **7342321**

LOCATION

Lot:	n/a	**Tag:**	A267910
Con:	n/a	**Audit No:**	Z313579
Municipality:	YORK	**Contractor License:**	7241
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	06/21/2019
Street:	37 WINONA	**Received Date:**	07/23/2019
City:	STOUFFVILLE		

WELL

Well Status:	Monitoring and Test Hole	**Well Depth (m):**	6.096
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:	Other Method	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1008208013
Pump Set (m):	n/a	**Pump Test ID**	1008211257
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a ft	**Pump Duration (hr):**	n/a
Pump Rate:	n/a GPM	**Pump Duration (m):**	n/a
Recom. Rate:	n/a GPM		

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	1008210558	n/a	n/a	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	n/a	BROWN	0	6 ft
2	SAND	SILT	n/a	BROWN	6	14 ft
3	SAND	SILT	n/a	GREY	14	20 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.969809
Longitude: -79.25841

Well ID: **7342322**

LOCATION

Lot:	n/a	**Tag:**	A267911
Con:	n/a	**Audit No:**	Z313578
Municipality:	YORK	**Contractor License:**	7241
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	06/21/2019
Street:	37 WINONA	**Received Date:**	07/23/2019
City:	STOUFFVILLE		

WELL

Well Status:	Monitoring and Test Hole	**Well Depth (m):**	6.096
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:	Other Method	**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1008208014
Pump Set (m):	n/a	**Pump Test ID**	1008211258
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a ft	**Pump Duration (hr):**	n/a
Pump Rate:	n/a GPM	**Pump Duration (m):**	n/a
Recom. Rate:	n/a GPM		

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	1008210559	n/a	n/a	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	n/a	BROWN	0	10 ft
2	SAND	SILT	n/a	BROWN	10	15 ft
3	SILT	SAND	n/a	GREY	15	20 ft

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.969234
Longitude: -79.257866

Well ID: 7353022

LOCATION

Lot:	001	**Tag:**	A247238
Con:	08	**Audit No:**	BJK64HHT
Municipality:	YORK	**Contractor License:**	7147
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	01/13/2020
Street:	5946 Main Street	**Received Date:**	02/03/2020
City:	Stouffville		

WELL

Well Status:	Abandoned-Other	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:		**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1008080495
Pump Set (m):	n/a	**Pump Test ID**	1008080496
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a m	**Pump Duration (hr):**	n/a
Pump Rate:	n/a LPM	**Pump Duration (m):**	n/a
Recom. Rate:	n/a LPM		

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	1008082507	5	cm	PLASTIC	0	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	n/a	n/a	n/a	n/a	0	n/a m

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.969207
Longitude: -79.257879

Well ID: 7353025

LOCATION

Lot:	001	**Tag:**	A254353
Con:	08	**Audit No:**	DYZNBQUZ
Municipality:	YORK	**Contractor License:**	7147
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	01/13/2020
Street:	5946 Main Street	**Received Date:**	02/03/2020
City:	Stouffville		

WELL

Well Status:	Abandoned-Other	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:		**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1008080501
Pump Set (m):	n/a	**Pump Test ID**	1008080502
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a m	**Pump Duration (hr):**	n/a
Pump Rate:	n/a LPM	**Pump Duration (m):**	n/a
Recom. Rate:	n/a LPM		

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	1008082511	5	cm	PLASTIC	0	3.2 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	n/a	n/a	n/a	n/a	0	n/a m

End of Record

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.969108
Longitude: -79.257882

Well ID: 7353026

LOCATION

Lot:	001	**Tag:**	A254359
Con:	08	**Audit No:**	NTLCTYMT
Municipality:	YORK	**Contractor License:**	7147
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	01/23/2020
Street:	5946 Main Street	**Received Date:**	02/03/2020
City:	Stouffville		

WELL

Well Status:	Abandoned-Other	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:		**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1008080503
Pump Set (m):	n/a	**Pump Test ID**	1008080504
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a m	**Pump Duration (hr):**	n/a
Pump Rate:	n/a LPM	**Pump Duration (m):**	n/a
Recom. Rate:	n/a LPM		

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	1008082512	5	cm	PLASTIC	0	4.6 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

---

n/a		
	Easting:	<null>
	Northing:	<null>
	Elev (masl):	

Latitude: 43.968976
Longitude: -79.258098

Well ID: 7353167

LOCATION

Lot:	001	**Tag:**	_NO_TAG
Con:	08	**Audit No:**	AP2RCGX2
Municipality:	YORK	**Contractor License:**	7147
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	01/13/2020
Street:	5946 Main Street	**Received Date:**	02/03/2020
City:	Stouffville		

WELL

Well Status:	Abandoned-Other	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:		**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1008080788
Pump Set (m):	n/a	**Pump Test ID**	1008080789
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a m	**Pump Duration (hr):**	n/a
Pump Rate:	n/a LPM	**Pump Duration (m):**	n/a
Recom. Rate:	n/a LPM		

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	1008082752	5	cm	PLASTIC	0	4.6 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

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.96916
Longitude: -79.25833

Well ID: 7353209

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5946 Main Street
City: Stouffville

Tag: _NO_TAG
Audit No: 5C76MC2A
Contractor License: 7147
Well Completion Date: 01/13/2020
Received Date: 02/03/2020

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: 1008080872
Pump Test ID 1008080873
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	1008082794	5	cm	PLASTIC	0	4.6 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

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.969071
Longitude: -79.257833

Well ID: 7353210

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5946 Main Street
City: Stouffville

Tag: NO TAG
Audit No: P8EI543P
Contractor License: 7147
Well Completion Date: 01/13/2020
Received Date: 02/03/2020

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: 1008080874
Pump Test ID 1008080875
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	1008082795	5	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
1	n/a	n/a	n/a	n/a	0	n/a m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.969089
Longitude: -79.258381

Well ID: 7353211

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5946 Main Street
City: Stouffville

Tag: _NO_TAG
Audit No: HSEDAD9Z
Contractor License: 7147
Well Completion Date: 01/13/2020
Received Date: 02/03/2020

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: 1008080876
Pump Test ID 1008080877
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	1008082796	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

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968971
Longitude: -79.258335

Well ID: 7353212

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5946 Main Street
City: Stouffville

Tag: NO TAG
Audit No: H63JUE9V
Contractor License: 7147
Well Completion Date: 01/23/2020
Received Date: 02/03/2020

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: 1008080878
Pump Test ID 1008080879
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	1008082797	5	cm	PLASTIC	0	2.3 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	n/a	n/a	n/a	n/a	0	n/a m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968969
Longitude: -79.258223

Well ID: 7353213

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5946 Main Street
City: Stouffville

Tag: _NO_TAG
Audit No: XZ8VCDWV
Contractor License: 7147
Well Completion Date: 01/23/2020
Received Date: 02/03/2020

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: 1008080880
Pump Test ID 1008080881
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	1008082798	5	cm	PLASTIC	0	4.6 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

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.96919
Longitude: -79.257905

Well ID: 7353235

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5946 Main Street
City: Stouffville

Tag: _NO_TAG
Audit No: ND8BRARC
Contractor License: 7147
Well Completion Date: 01/13/2020
Received Date: 02/03/2020

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:

TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft)

Pipe ID: 1008080924
Pump Test ID 1008080925
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 Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	1008082820	5	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
1	n/a	n/a	n/a	n/a	0	n/a m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.969138
Longitude: -79.258081

Well ID: 7353236

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5946 Main Street
City: Stouffville

Tag: _NO_TAG
Audit No: LWAOUVG5
Contractor License: 7147
Well Completion Date: 01/13/2020
Received Date: 02/03/2020

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: 1008080926
Pump Test ID 1008080927
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	1008082821	5	cm	PLASTIC	0	4.8 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	n/a	n/a	n/a	n/a	0	n/a m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.969159
Longitude: -79.25828

Well ID: 7353237

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI
Street: 5946 Main Street
City: Stouffville

Tag: _NO_TAG
Audit No: BOB8HVTZ
Contractor License: 7147
Well Completion Date: 01/13/2020
Received Date: 02/03/2020

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	**Pipe ID:**	1008080928
Pump Set (m):	n/a	**Pump Test ID**	1008080929
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a m	**Pump Duration (hr):**	n/a
Pump Rate:	n/a LPM	**Pump Duration (m):**	n/a
Recom. Rate:	n/a LPM		

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	1008082822	5	cm	PLASTIC	0	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

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.969062
Longitude: -79.258407

Well ID: 7353238

LOCATION

Lot:	001	**Tag:**	_NO_TAG
Con:	08	**Audit No:**	KFZOY79R
Municipality:	YORK	**Contractor License:**	7147
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	01/13/2020
Street:	5946 Main Street	**Received Date:**	02/03/2020
City:	Stouffville		

WELL

Well Status:	Abandoned-Other	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:		**Water Kind:**	

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1008080930
Pump Set (m):	n/a	**Pump Test ID**	1008080931
SWL (ft)	n/a	**Flowing:**	n/a
Final Level:	n/a m	**Pump Duration (hr):**	n/a
Pump Rate:	n/a LPM	**Pump Duration (m):**	n/a
Recom. Rate:	n/a LPM		

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	1008082823	5	cm	PLASTIC	0	4.6 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

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.969055
Longitude: -79.257934

Well ID: 7353239

LOCATION

Lot:	001	**Tag:**	_NO_TAG
Con:	08	**Audit No:**	JJ94LWNL
Municipality:	YORK	**Contractor License:**	7147
Township:	WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWI	**Well Completion Date:**	01/13/2020
Street:	5946 Main Street	**Received Date:**	02/03/2020
City:	Stouffville		

:LL

Well Status:	Abandoned-Other	**Well Depth (m):**	0
Prim. Use:		**Depth to Bedrock (m):**	n/a

WE

Sec. Use: n/a
Boring Method:

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: 1008080932
Pump Test ID 1008080933
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	1008082824	5	cm	PLASTIC	0	4.6 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

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.969035
Longitude: -79.257835

Well ID: 7353240

LOCATION

Lot: 001
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (WHITCHURCH TWF
Street: 5946 Main Street
City: Stouffville

Tag: _NO_TAG
Audit No: Y3S4OEAP
Contractor License: 7147
Well Completion Date: 01/13/2020
Received Date: 02/03/2020

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: 1008080934
Pump Test ID 1008080935
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	1008082825	5	cm	PLASTIC	0	4.9 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

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968253
Longitude: -79.259677

Well ID: 7355060

LOCATION

Lot: n/a
Con: n/a
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street:
City: n/a

Tag: A233654
Audit No: C39231
Contractor License: 6946
Well Completion Date:
Received Date: 07/19/2018

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 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

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968114
Longitude: -79.259382

Well ID: **7360313**

LOCATION

Lot: 035
Con: 08
Municipality: YORK
Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street: 5917 Main Street
City: Stouffville

Tag: A289566
Audit No: YIFMFA9R
Contractor License: 7147
Well Completion Date: 05/21/2020
Received Date: 06/03/2020

WELL

Well Status: Observation Wells
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Auger

Well Depth (m): 4.6
Depth to Bedrock (m): n/a
Depth to Water: m
Water Kind: Untested

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: 1008301215
Pump Test ID 1008301216
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	1008301321	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	SILT	SAND	n/a	BROWN	0	4.6 m

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	

Latitude: 43.968049
Longitude: -79.258711

Well ID: **7363297**

TION

Lot: n/a
Con: n/a
Municipality:

Tag: A297036
Audit No: C49815
Contractor License: 7725

LOCA

Township: WHITCHURCH-STOUFFVILLE TOWN (MARKHAM TWP)
Street:
City: n/a

Well Completion Date: 07/17/2020
Received Date: 07/27/2020

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

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

End of Record

Appendix B

Borehole Logs

REFERENCE No.: 12623499

BOREHOLE No.: BH1-23

ELEVATION: 271.0 m

BOREHOLE REPORT

CLIENT: Darul-Khair Center Stouffville

PROJECT: HydroG & Geotechnical Investigation - 27 Winona Dr.

LOCATION: 27 Winona Drive, Stouffville-Whitchurch, ON

DESCRIBED BY: M. Yee CHECKED BY: L. Ramos

DATE (START): 25 October 2023 DATE (FINISH): 25 October 2023

LEGEND

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

NORTHING: 4869984.0 EASTING: 639689.0 DRILING TYPE: Truck Mounted CME-55 DRILING METHOD: 108 mm Solid Stem Augers

Depth Feet	Depth Metres	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State	Type and Number	Grain Size/ Hydrometer Comments: Gravel Sand Silt Clay	Unit Weight	Recovery/ TCR(%)	Moisture Content	Blows per 15cm/ RQD(%)	'N' Value/ SCR(%)	PIEZOMETER/ STANDPIPE INSTALLATION
		271.0		GROUND SURFACE			%	KN/m3	%	%			
0	0.1	270.9		**ASPHALT** (75mm)									
1	0.3	270.6		**FILL:** SANDY SILT, black, moist, loose		SS1			75	15	7-4-5-9	9	
2	0.8	270.2		Reddish brown									
3	1.0			**NATIVE:** **SILT and SAND**, trace gravel, light brown, moist, compact		SS2			92	7	10-14-14-22	28	
4													
5						SS3			100	10	18-15-14	29	
6													
7	2.0												
8	2.3	268.7		No gravel, very dense, stratified		SS4			100	5	30-38 -50/125mm	88+	
9													
10	3.0					SS5			100	3	27-34-45	79	
11													
12													
13	4.0												
14													
15	4.6	266.4		brown		SS6	0-48-45-7		100	12	26-30-43	73	
16	5.0												
17													
18													
19													
20	6.0 6.1	264.9		**SILTY SAND**, light brown, wet, compact		SS7			100	19	23-21-25	46	
21													
22													
23	7.0												
24													
25	7.6	263.3		Grey, very dense		SS8			100	18	15-40 -50/125mm	90+	
26	8.0												
27													
28													
29	9.0												
30	9.1	261.8		Compact		SS9			56	20	5-8-12	20	
31	9.6	261.3		**END OF BOREHOLE**									
32	10.0												
33				**NOTES:** -End of borehole at 9.6 m bgs -Borehole caved to 5.8 m bgs after completion -Groundwater measured at 5.8 m bgs upon completion -'bgs' denotes 'below ground surface'									
34													
35													
36	11.0												
37													
38													
39													

Undisturbed Vane Value (kPa); Remoulded Field Vane Value (kPa); Number refer to Sensitivity; Water content (%); Atterberg limits (%); "N" Value (blows/12 in.-30 cm); "DCPT" Value (blows/12 in.-30 cm)

10 20 30 40 50 60 70 80 90

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REFERENCE No.: 12623499

BOREHOLE No.: BH2-23

ELEVATION: 270.7 m

BOREHOLE REPORT

CLIENT: Darul-Khair Center Stouffville

PROJECT: HydroG & Geotechnical Investigation - 27 Winona Dr.

LOCATION: 27 Winona Drive, Stouffville-Whitchurch, ON

DESCRIBED BY: M. Yee CHECKED BY: L. Ramos

DATE (START): 25 October 2023 DATE (FINISH): 25 October 2023

LEGEND

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

NORTHING: 4869955.0 EASTING: 639696.0 DRILING TYPE: Truck Mounted CME-55 DRILING METHOD: 108 mm Solid Stem Augers

Depth (Feet)	Depth (Metres)	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State	Type and Number	Grain Size/ Hydrometer Comments: Gravel Sand Silt Clay (%)	Unit Weight (KN/m3)	Recovery/ TCR(%)	Moisture Content (%)	Blows per 15cm/ RQD(%)	'N' Value/ SCR(%)	Undisturbed Vane Value (kPa) / Remoulded Field Vane Value (kPa) / 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
0		270.7		GROUND SURFACE			%	KN/m3	%	%			10 20 30 40 50 60 70 80 90	
1	0.1	270.6		**ASPHALT** (100mm)		SS1A			100	14	9-6-8-7	14		
2	0.5	270.2		**FILL:** SANDY SILT, dark brown, moist, compact		SS1B			--	9	--	--		
3	1.0			**NATIVE:** **SILT and SAND**, trace gravel, light brown, moist, compact		SS2			100	9	10-7-8	15		
6	2.0					SS3	8-41-36-15		100	9	19-10-12	22		
8	2.3	268.4		No gravel, brown, very dense, orange oxidation staining		SS4			100	12	24-35-36	71		
10	3.0	267.7		light brown, stratified		SS5			100	7	20-37-33	70		
16	5.0					SS6			100	14	25-24-29	53		
20	6.1	264.6		**SILTY SAND**, brown, wet, dense		SS7			100	19	18-20-26	46		
25	7.6	263.1		Grey, very dense		SS8			67	18	16-28-34	62		
30	9.1	261.6		Compact		SS9			67	18	5-6-7	13		
32	9.6	261.1		**END OF BOREHOLE**										

NOTES:

-End of borehole at 9.6 m bgs
-Borehole caved to 5.4 m bgs after completion
-Groundwater measured at 5.4 m bgs upon completion
-'bgs' denotes 'below ground surface'

File: \\GHDNET\GHD\CA\PETERBOROUGH\PROJECTS\66\12623499\WORKSHARE\12623499-FLD\GINT\12623499 LOG_GEOTECH.GPJ Library File: 12623499 GHD_GEOTECH_V07.GLB Report: 12623499 SOIL LOG WITH WELL Date: 23/11/23

REFERENCE No.: 12623499

BOREHOLE No.: BH3-23

ELEVATION: 271.1 m

BOREHOLE REPORT

CLIENT: Darul-Khair Center Stouffville

PROJECT: HydroG & Geotechnical Investigation - 27 Winona Dr.

LOCATION: 27 Winona Drive, Stouffville-Whitchurch, ON

DESCRIBED BY: M. Yee CHECKED BY: L. Ramos

DATE (START): 25 October 2023 DATE (FINISH): 25 October 2023

LEGEND

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

NORTHING: 4869999.0 EASTING: 639744.0 DRILING TYPE: Truck Mounted CME-55 DRILING METHOD: 108 mm Solid Stem Augers

Depth (Feet)	Depth (Metres)	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State	Type and Number	Grain Size/ Hydrometer Comments: Gravel Sand Silt Clay (%)	Unit Weight (KN/m3)	Recovery/ TCR(%)	Moisture Content (%)	Blows per 15cm/ RQD(%)	'N' Value/ SCR(%)	Undisturbed Vane Value (kPa) / Remoulded Field Vane Value (kPa) / 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
0		271.1		GROUND SURFACE			%	KN/m3	%	%			10 20 30 40 50 60 70 80 90	
	0.1	271.0		**TOPSOIL** (100mm)										
1				**NATIVE:**		SS1			83	10	4-7-8-9	15		
2				**SILT and SAND**, trace gravel, brown, moist, compact										
3	1.0					SS2			67	13	9-6-6	12		
4														
5						SS3A			100	16	9-11-13	24		
6	1.8	269.3				SS3B			--	7	--	--		
7	2.0			No gravel, light brown, compact, stratified										
8	2.3	268.8		Very dense		SS4			100	4	30-27-30	57		
9														
10	3.0					SS5	0-53-40-7		100	5	23-27-25	52		
11														
12														
13	4.0													
14														
15														
16						SS6			100	6	20-35-30	65		
17	5.0													
18														
19														
20	6.0													
	6.1	265.0		**SILTY SAND**, light brown, wet, dense		SS7			100	20	14-19-21	40		
21														
22														
23	7.0													
24														
25	7.6	263.5		Grey, very dense		SS8			78	19	8-19-34	53		
26	8.0													
27														
28														
29	9.0													
30	9.1	262.0		Compact, reddish brown oxidation staining		SS9			56	20	6-8-12	20		
	9.6	261.5		**END OF BOREHOLE**										
31														
32	10.0			**NOTES:**										
33				-End of borehole at 9.6 m bgs										
34				-Borehole caved to 5.9 m bgs after completion										
35				-Groundwater measured at 5.9 m bgs upon completion										
36	11.0			-'bgs' denotes 'below ground surface'										
37														
38														
39														

File: \\GHDNET\GHD\CA\PETERBOROUGH\PROJECTS\66\12623499\WORKSHARE\12623499-FLD\GINT\12623499 LOG_GEOTECH.GPJ Library File: 12623499 GHD_GEOTECH_V07.GLB Report: 12623499 SOIL LOG WITH WELL Date: 23/11/23

REFERENCE No.: 12623499

BOREHOLE No.: BH4-23

ELEVATION: 270.8 m

BOREHOLE REPORT

CLIENT: Darul-Khair Center Stouffville

PROJECT: HydroG & Geotechnical Investigation - 27 Winona Dr.

LOCATION: 27 Winona Drive, Stouffville-Whitchurch, ON

DESCRIBED BY: M. Yee CHECKED BY: L. Ramos

DATE (START): 25 October 2023 DATE (FINISH): 25 October 2023

LEGEND

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

NORTHING: 4869973.0 EASTING: 639747.0 DRILING TYPE: Truck Mounted CME-55 DRILING METHOD: 108 mm Solid Stem Augers

Depth Feet	Depth Metres	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL	State	Type and Number	Grain Size/ Hydrometer Comments: Gravel Sand Silt Clay (%)	Unit Weight (KN/m3)	Recovery/ TCR(%)	Moisture Content (%)	Blows per 15cm/ RQD(%)	'N' Value/ SCR(%)	Undisturbed Vane Value (kPa) / Remoulded Field Vane Value (kPa) / 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
		270.8		GROUND SURFACE			%	KN/m3	%	%			10 20 30 40 50 60 70 80 90	
0	0.1	270.7		**TOPSOIL** (100mm)										
1				**FILL:** **SILTY SAND**, some gravel, dark brown, moist, compact		SS1			100	7	4-7-7-7	14		
2														
3	1.0					SS2			56	13	18-8-12	20		
4														
5	1.5	269.2		**NATIVE:** **SILT and SAND**, some silt, light brown, moist, dense, stratified		SS3			100	7	20-12-28	40		
6														
7	2.0													
8						SS4			100	3	27-22-22	44		
9														
10	3.0					SS5			100	11	20-18-22	40		
11														
12														
13	4.0													
14														
15														
16						SS6			89	4	20-20-24	44		
17	5.0													
18														
19														
20	6.0 6.1	264.7		**SILTY SAND**, light brown, wet, compact		SS7			100	21	10-11-16	27		
21														
22														
23	7.0													
24														
25	7.6	263.1		Dense, grey		SS8	0-64-29-7		100	20	11-16-15	31		
26	8.0													
27														
28														
29	9.0													
30														
31						SS9			100	18	9-20-28	48		
32	9.6	261.2		**END OF BOREHOLE**										
33	10.0													
34				**NOTES:** -End of borehole at 9.6 m bgs -Borehole caved to 5.7 m bgs after completion -Groundwater measured at 5.7 m bgs upon completion -'bgs' denotes 'below ground surface'										
35														
36	11.0													
37														
38														
39														

File: \\GHDNET\GHD\CA\PETERBOROUGH\PROJECTS\66\12623499\WORKSHARE\12623499-FLD\GINT\12623499 LOG_GEOTECH.GPJ Library File: 12623499 GHD_GEOTECH_V07.GLB Report: 12623499 SOIL LOG WITH WELL Date: 23/11/23

REFERENCE No.: 12623499 ENCLOSURE No.: A-6

GHD

BOREHOLE No.: MW6-S
ELEVATION: 270.8 m

BOREHOLE REPORT

Page: 1 of 1

CLIENT: Darul-Khair Center Stouffville
PROJECT: Geotechnical Investigation - 27 Winona Dr.
LOCATION: 27 Winona Drive, Stouffville-Whitchurch, ON
DESCRIBED BY: M. Yee CHECKED BY: L. Ramos
DATE (START): 25 October 2023 DATE (FINISH): 25 October 2023

LEGEND

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

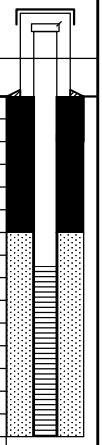
NORTHING: 4869975 EASTING: 639695

Depth Feet	Depth Metres	Elevation (m)	Stratigraphy	DESCRIPTION OF SOIL AND BEDROCK	State	Type and Number	Recovery/ TCR(%)	Moisture Content %	Blows per 15cm/ RQD(%)	'N' Value/ SCR(%)
		270.8		GROUND SURFACE						
0	0.10	270.7		**TOPSOIL** (100mm)						
				FILL: **SILTY SAND**, some gravel, dark brown, moist, compact						
1	1.0									
2										
3										
4										
5	1.52	269.3		**NATIVE:** **SILT and SAND**, some silt, light brown, moist, dense, stratified						
6	2.0									
7										
8										
9										
10	3.00	267.8		**END OF BOREHOLE**						
				NOTES: - Monitoring well installed at 3.0 m bgs -'bgs' denotes 'below ground surface'						
11										
12										
13	4.0									
14										
15										
16										
17	5.0									
18										
19										
20	6.0									
21										
22										
23	7.0									
24										
25										
26	8.0									
27										
28										
29	9.0									
30										
31										
32										
33	10.0									
34										
35										
36	11.0									
37										
38										
39										

Shear test (Cu) △ Field
Sensitivity (S) □ Lab
○ Water content (%)
Atterberg limits (%) W_p W_l
● "N" Value (blows / 12 in.-30 cm)

10 20 30 40 50 60 70 80 90

0.9 m
1.2 m
1.5 m
3.0 m



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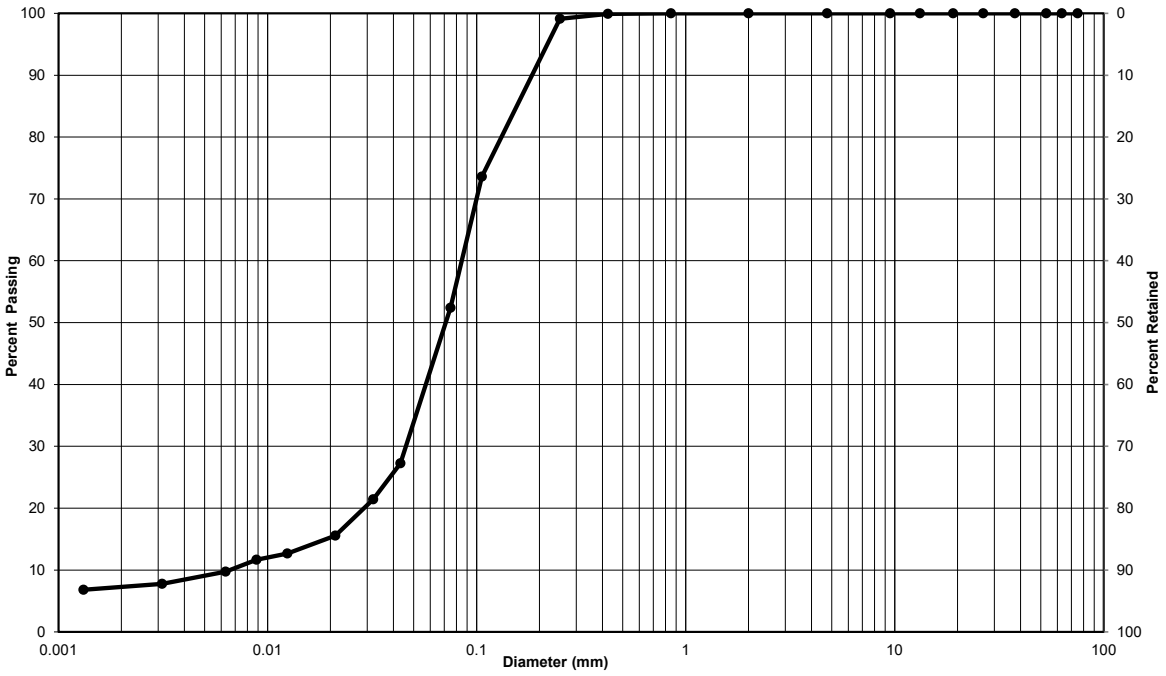
Appendix C

Geotechnical Laboratory Testing Results

Particle-Size Analysis of Soils

MTO LS-702 (Geotechnical)

Client:	Darul-Khair Center Stouffville	**Lab No.:**	SS-23-68
Project/Site:	Geotech HydroG - 27 Winona Drive, Stouffville	**Project No.:**	12623499
Borehole No.:	BH1-23	Sample No.:	SS6
Depth:	4.6m-5.1m	Enclosure:	C-1



Clay & Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse
Particle-Size Limits as per USCS (ASTM D-2487)					

Soil Description	Gravel (%)	Sand (%)	Clay & Silt (%)
Silt and sand, trace clay	0	48	52
Silt-size particles (%) :	45		
Clay-size particles (%) (<0.002 mm):	7		

Additional laboratory reporting information available upon request.

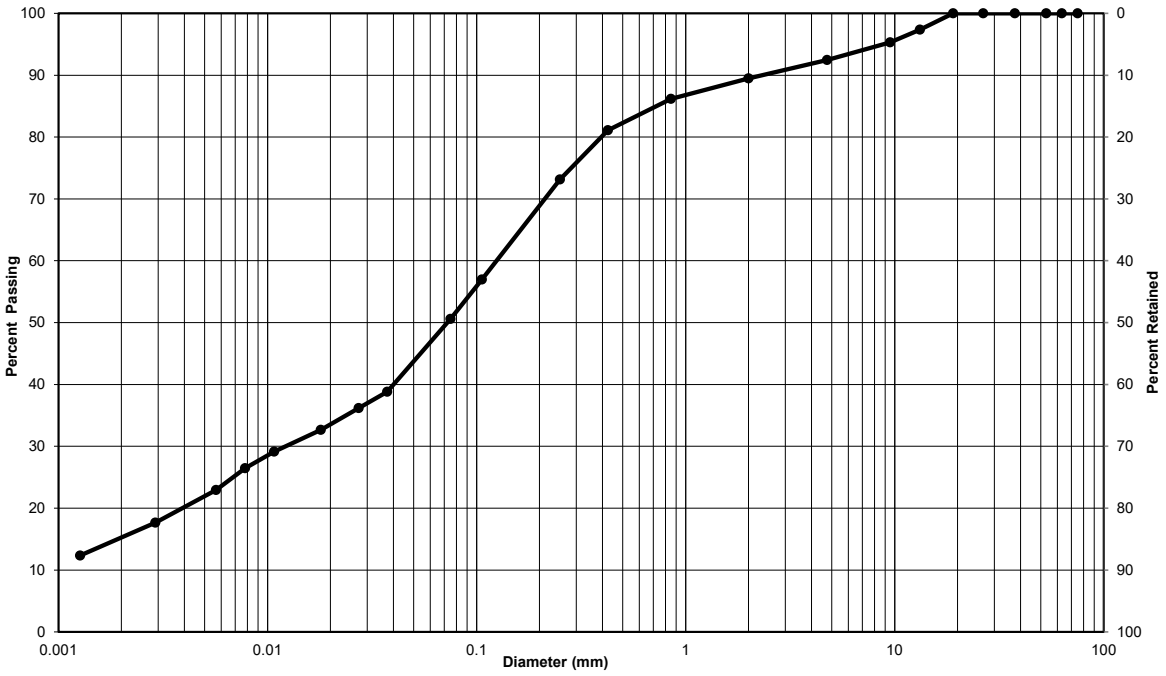
Remarks:

Performed by:	Josh Sullivan	**Date:**	November 9, 2023
Verified by:	Joe Sullivan	**Date:**	November 9, 2023
Laboratory Location:	GHD Limited - 347 Pido Road, Unit 29, Peterborough, ON		

Particle-Size Analysis of Soils

MTO LS-702 (Geotechnical)

Client:	Darul-Khair Center Stouffville	**Lab No.:**	SS-23-68
Project/Site:	Geotech HydroG - 27 Winona Drive, Stouffville	**Project No.:**	12623499
Borehole No.:	BH2-23	Sample No.:	SS3
Depth:	1.5-2.0m	Enclosure:	C-2



Clay & Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse
Particle-Size Limits as per USCS (ASTM D-2487)					

Soil Description	Gravel (%)	Sand (%)	Clay & Silt (%)
Silt and sand, some clay, trace gravel	8	41	51
Silt-size particles (%) :	36		
Clay-size particles (%) (<0.002 mm):	15		

Additional laboratory reporting information available upon request.

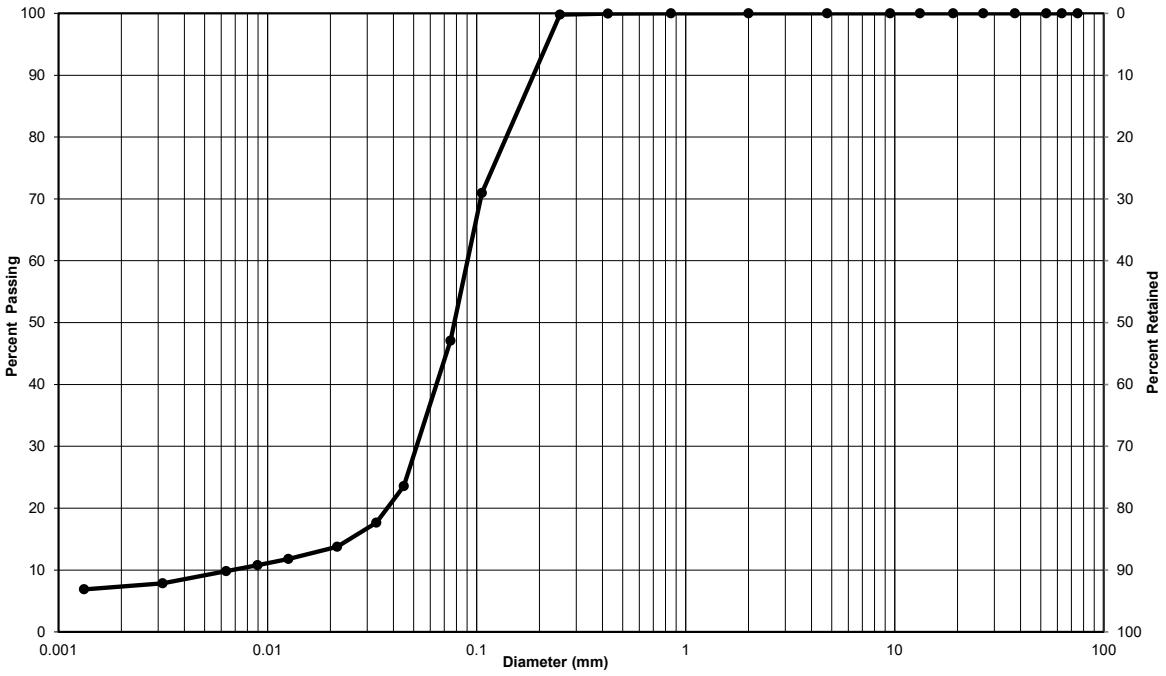
Remarks:

Performed by:	Josh Sullivan	**Date:**	November 9, 2023
Verified by:	Joe Sullivan	**Date:**	November 9, 2023
Laboratory Location:	GHD Limited - 347 Pido Road, Unit 29, Peterborough, ON		

Particle-Size Analysis of Soils

MTO LS-702 (Geotechnical)

Client:	Darul-Khair Center Stouffville	**Lab No.:**	SS-23-68
Project/Site:	Geotech HydroG - 27 Winona Drive, Stouffville	**Project No.:**	12623499
Borehole No.:	BH3-23	Sample No.:	SS5
Depth:	3.1-3.6m	Enclosure:	C-3



Clay & Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse
Particle-Size Limits as per USCS (ASTM D-2487)					

Soil Description	Gravel (%)	Sand (%)	Clay & Silt (%)
Silt and sand, trace clay	0	53	47
Silt-size particles (%) :	40		
Clay-size particles (%) (<0.002 mm):	7		

Additional laboratory reporting information available upon request.

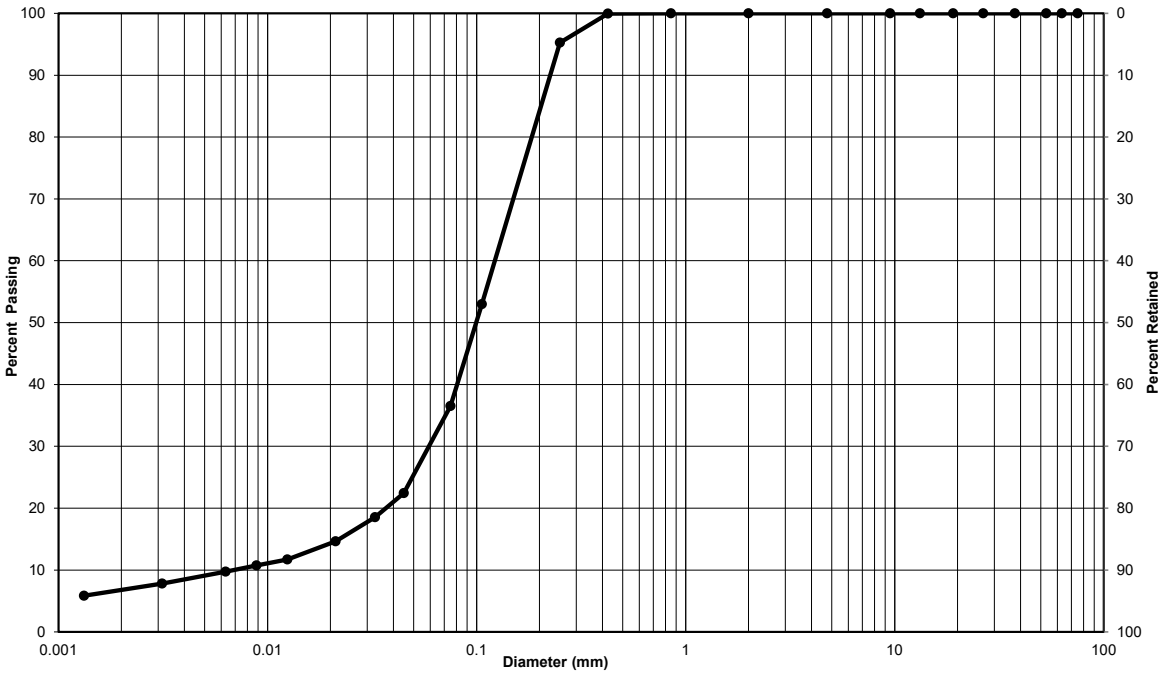
Remarks:

Performed by:	Josh Sullivan	**Date:**	November 9, 2023
Verified by:	Joe Sullivan	**Date:**	November 9, 2023
Laboratory Location:	GHD Limited - 347 Pido Road, Unit 29, Peterborough, ON		

Particle-Size Analysis of Soils

MTO LS-702 (Geotechnical)

Client:	Darul-Khair Center Stouffville	**Lab No.:**	SS-23-68
Project/Site:	Geotech HydroG - 27 Winona Drive, Stouffville	**Project No.:**	12623499
Borehole No.:	BH4-23	Sample No.:	SS8
Depth:	7.6-8.1m	Enclosure:	C-4



Clay & Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse
Particle-Size Limits as per USCS (ASTM D-2487)					

Soil Description	Gravel (%)	Sand (%)	Clay & Silt (%)
Silty sand, trace clay	0	64	36
Silt-size particles (%) :	29		
Clay-size particles (%) (<0.002 mm):	7		

Additional laboratory reporting information available upon request.

Remarks:

Performed by:	Josh Sullivan	**Date:**	November 9, 2023
Verified by:	Joe Sullivan	**Date:**	November 9, 2023
Laboratory Location:	GHD Limited - 347 Pido Road, Unit 29, Peterborough, ON		

Appendix D

Infiltration Testing Results

Appendix D: Infiltration Testing (in-situ)

Project No.: 12623499
Date: November 8, 2023
Equipment: ETC Pask Permeameter

Test ID.:	**INF-1**	**INF-2**
Description:	**Near MW7**	**Near BH3-23**
Location:	**27 Winona Drive, Stouffville**	**27 Winona Drive, Stouffville**
Depth of hole:	**0.6 mbgs**	**0.5 mbgs**

Elapsed Time (minutes)	Permeameter Reading (cm)	Rate (cm/min)
0.1	40.7	--
0.5	39.9	2.0
1.0	39.6	0.6
2.0	39.0	0.6
3.0	38.3	0.7
4.0	37.7	0.6
5.0	37.1	0.6
6.0	36.5	0.6
7.0	36.0	0.5
8.0	35.6	0.4
9.0	35.2	0.4
10.0	34.8	0.4
11.0	34.4	0.4
12.0	34.0	0.4
13.0	33.6	0.4
14.0	33.2	0.4
15.0	32.8	0.4
16.0	32.4	0.4
17.0	32.0	0.4
18.0	31.6	0.4
19.0	31.2	0.4
20.0	30.8	0.4

Elapsed Time (minutes)	Permeameter Reading (cm)	Rate (cm/min)
0.1	36.4	--
0.5	36.3	0.25
1.0	36	0.60
2.0	35.8	0.20
3.0	35.5	0.30
4.0	35.3	0.20
5.0	35.2	0.10
6.0	35.0	0.20
7.0	34.9	0.10
8.0	34.7	0.20
9.0	34.5	0.20
10.0	34.3	0.20
11.0	34.2	0.10
12.0	34.1	0.10
13.0	33.9	0.20
14.0	33.7	0.20
15.0	33.6	0.10
16.0	33.4	0.20
17.0	33.3	0.10
18.0	33.1	0.20
19.0	32.9	0.20
20.0	32.7	0.20

Quasi Steady Flow Rate ®

(cm/min)	0.40	0.20

Field-Saturated Hydraulic Conductivity (Ksf)

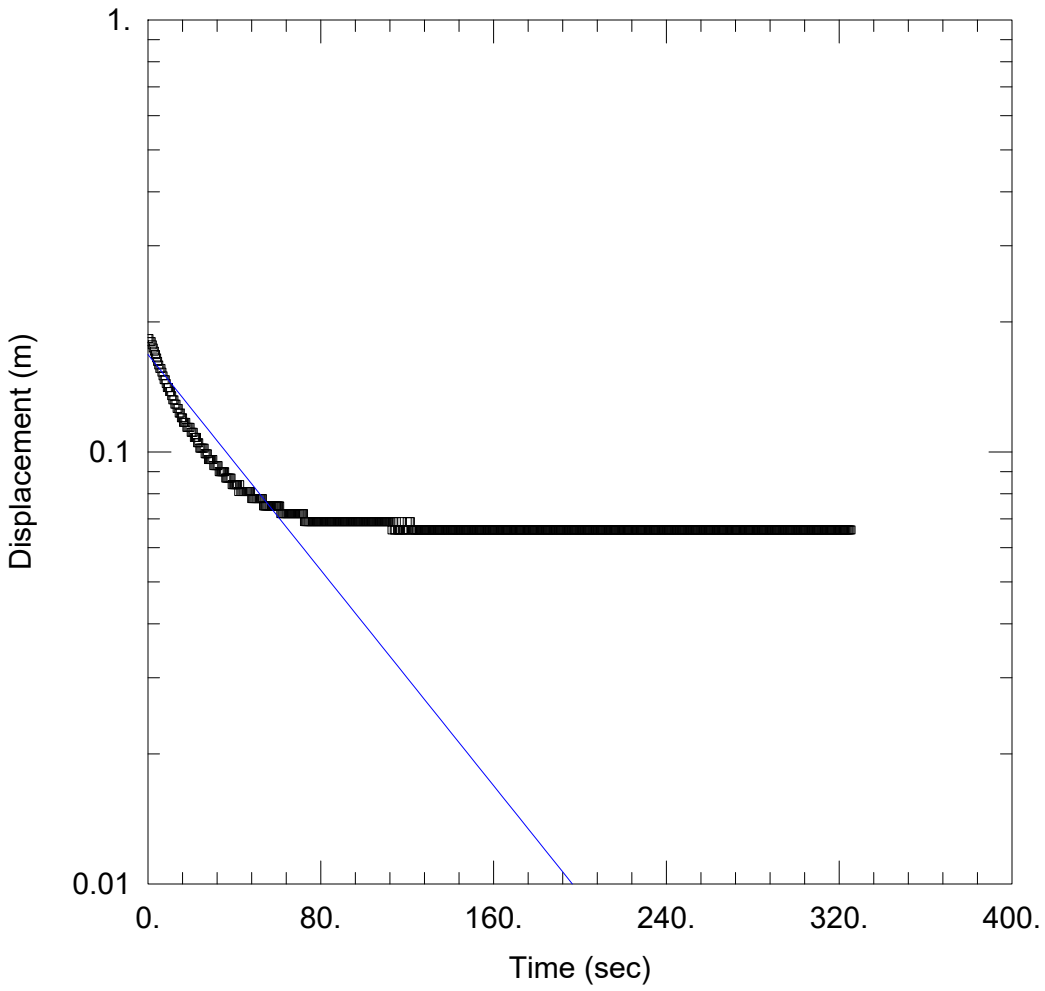
(m/sec)	2.10E-06	1.10E-06

Estimated Infiltration Rate = (K_{fs} / 6E-11) exp (3.7363^{-1})

(mm/hr)	56.4	47.5

Appendix E

Single Well Response Testing Results



MW7 FALLING HEAD TEST #1

Data Set: N:\...\MW7 Falling Head Test #1.aqt
Date: 04/15/24 Time: 09:07:42

PROJECT INFORMATION

Company: GHD Limited
Client: Darul-Khair Center Stouffville
Project: 12623499
Location: 27 Winona Drive
Test Well: MW7
Test Date: November 8, 2023

AQUIFER DATA

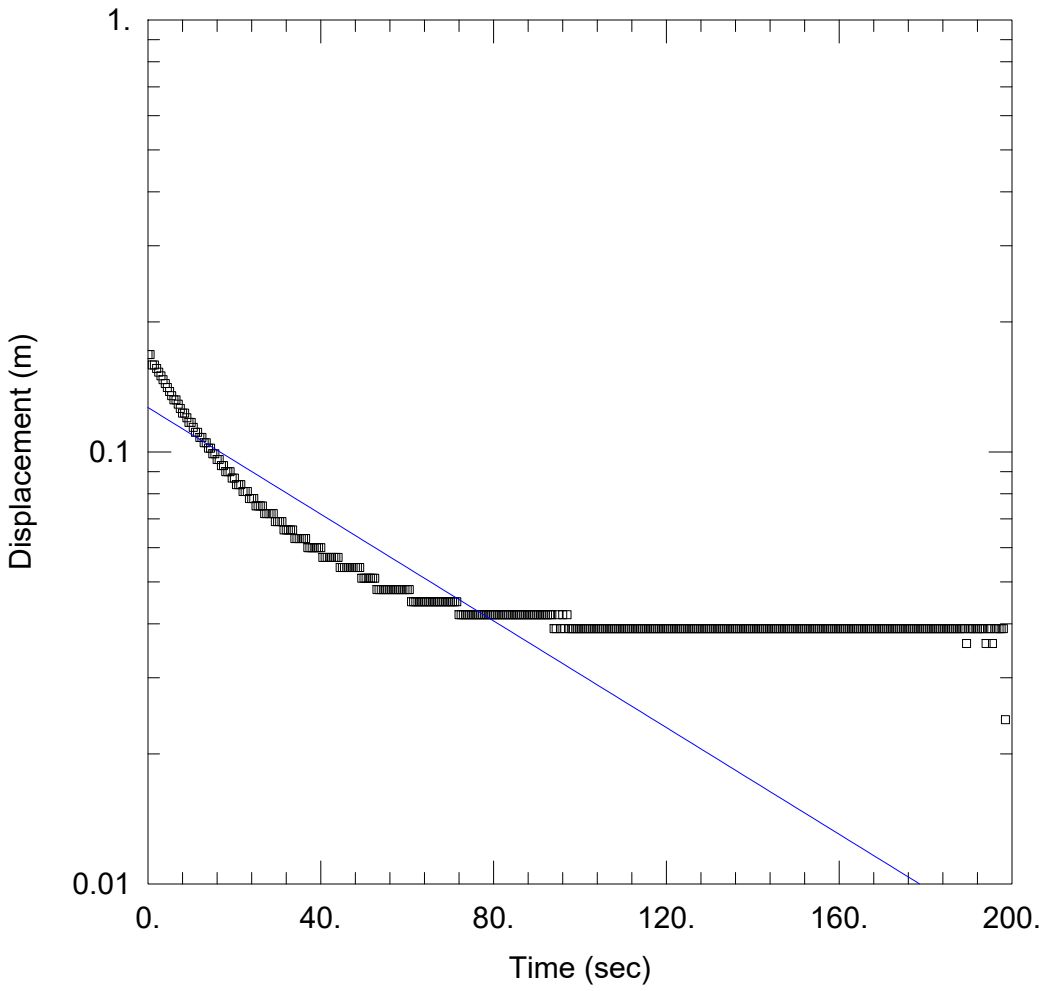
Saturated Thickness: 0.62 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW7)

Initial Displacement: 0.183 m
Total Well Penetration Depth: 6.72 m
Casing Radius: 0.025 m
Static Water Column Height: 0.62 m
Screen Length: 3. m
Well Radius: 0.075 m
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 6.364E-5 m/sec
y0 = 0.168 m



MW7 FALLING HEAD TEST #2

Data Set: N:\...\MW7 Falling Head Test #2.aqt
Date: 04/15/24 Time: 09:09:19

PROJECT INFORMATION

Company: GHD Limited
Client: Darul-Khair Center Stouffville
Project: 12623499
Location: 27 Winona Drive
Test Well: MW7
Test Date: November 8, 2023

AQUIFER DATA

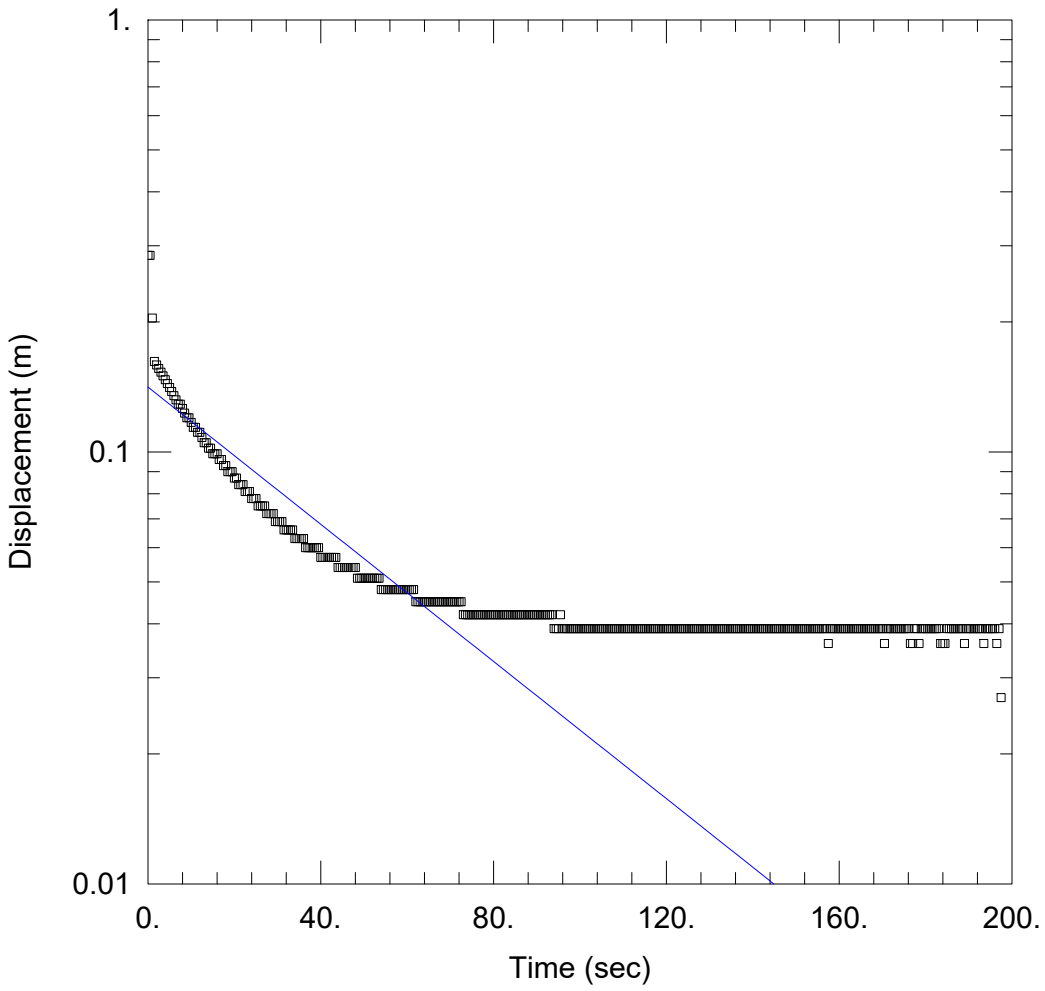
Saturated Thickness: 0.62 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW7)

Initial Displacement: 0.168 m
Total Well Penetration Depth: 6.72 m
Casing Radius: 0.025 m
Static Water Column Height: 0.62 m
Screen Length: 3. m
Well Radius: 0.075 m
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 6.3E-5 m/sec
y0 = 0.1267 m



MW7 FALLING HEAD TEST #3

Data Set: N:\...\MW7 Falling Head Test #3.aqt
Date: 04/15/24 Time: 09:10:24

PROJECT INFORMATION

Company: GHD Limited
Client: Darul-Khair Center Stouffville
Project: 12623499
Location: 27 Winona Drive
Test Well: MW7
Test Date: November 8, 2023

AQUIFER DATA

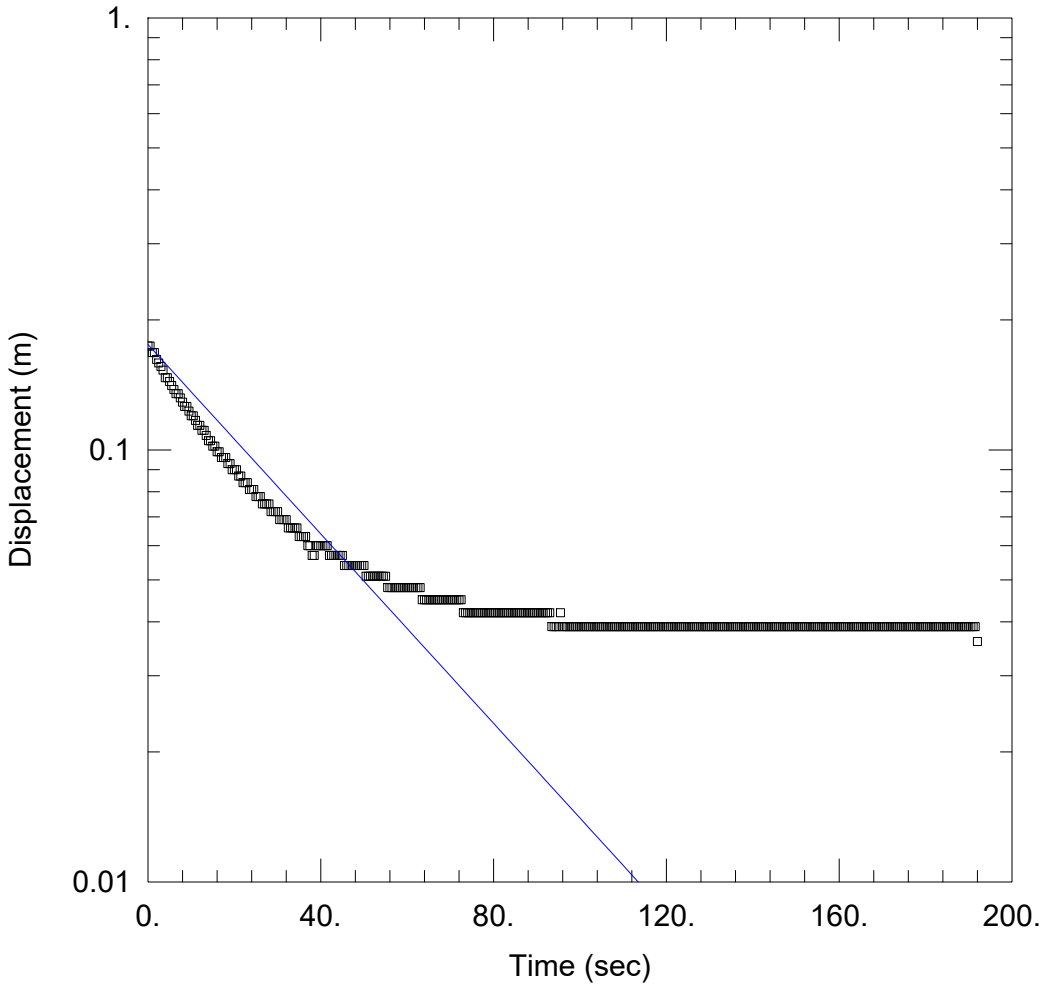
Saturated Thickness: 0.62 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW7)

Initial Displacement: 0.285 m
Total Well Penetration Depth: 6.72 m
Casing Radius: 0.025 m
Static Water Column Height: 0.62 m
Screen Length: 3. m
Well Radius: 0.075 m
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 8.099E-5 m/sec
y0 = 0.1413 m



MW7 RISING HEAD TEST #1

Data Set: N:\...\MW7 Rising Head Test #1.aqt
Date: 04/15/24 Time: 09:11:27

PROJECT INFORMATION

Company: GHD Limited
Client: Darul-Khair Center Stouffville
Project: 12623499
Location: 27 Winona Drive
Test Well: MW7
Test Date: November 8, 2023

AQUIFER DATA

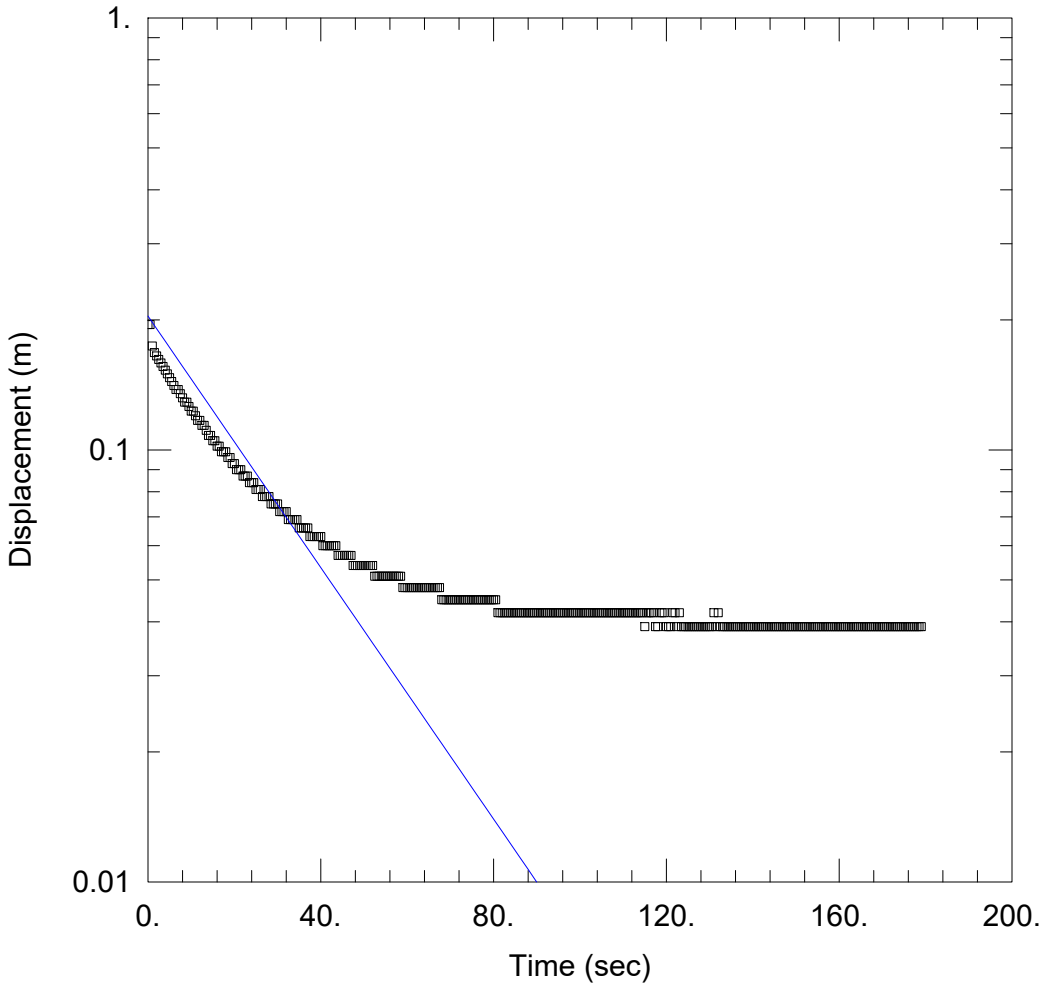
Saturated Thickness: 0.62 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW7)

Initial Displacement: 0.174 m
Total Well Penetration Depth: 6.72 m
Casing Radius: 0.025 m
Static Water Column Height: 0.62 m
Screen Length: 3. m
Well Radius: 0.075 m
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0001118 m/sec
y0 = 0.1754 m



MW7 RISING HEAD TEST #2

Data Set: N:\...\MW7 Rising Head Test #2.aqt
Date: 04/15/24 Time: 09:12:23

PROJECT INFORMATION

Company: GHD Limited
Client: Darul-Khair Center Stouffville
Project: 12623499
Location: 27 Winona Drive
Test Well: MW7
Test Date: November 8, 2023

AQUIFER DATA

Saturated Thickness: 0.62 m Anisotropy Ratio (Kz/Kr): 1.

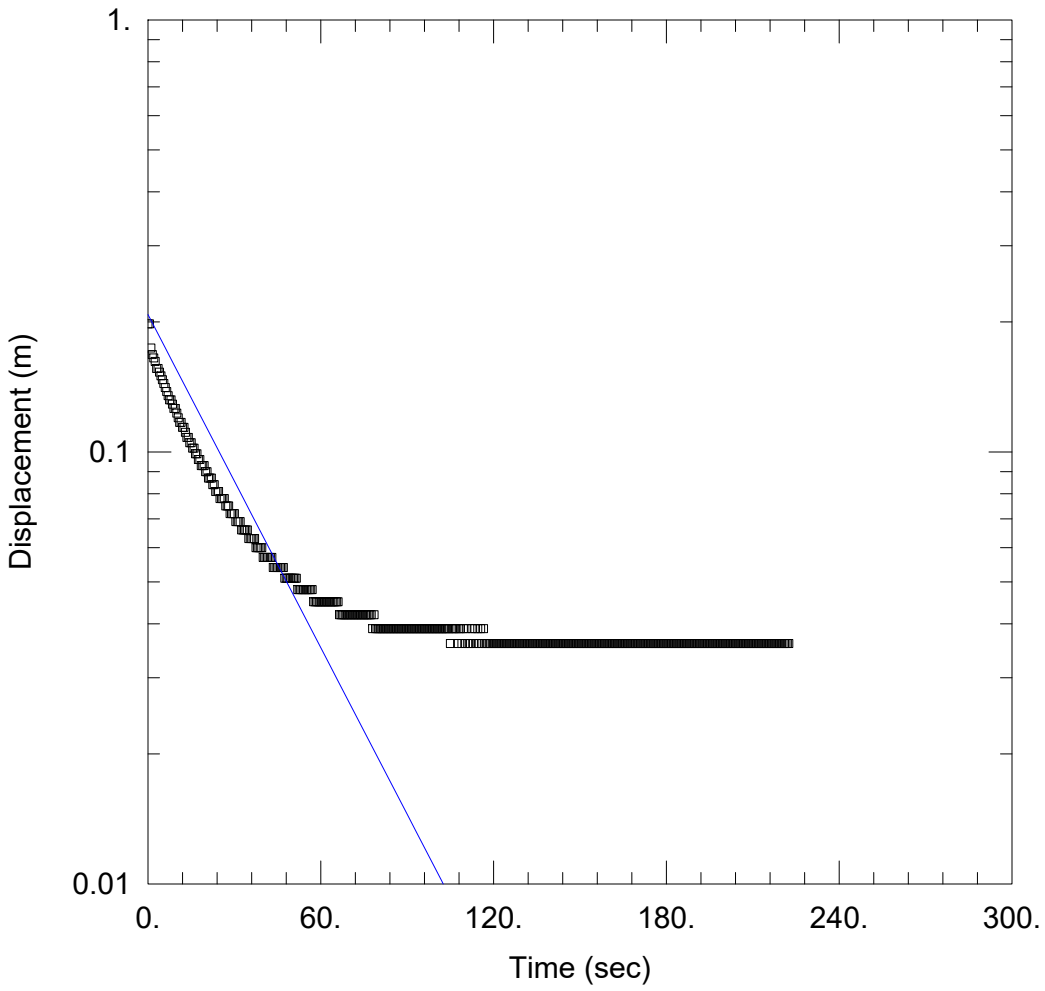
WELL DATA (MW7)

Initial Displacement: 0.195 m
Total Well Penetration Depth: 6.72 m
Casing Radius: 0.025 m
Static Water Column Height: 0.62 m
Screen Length: 3. m
Well Radius: 0.075 m
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.0001485 m/sec y0 = 0.204 m



MW7 RISING HEAD TEST #3

Data Set: N:\...\MW7 Rising Head Test #3.aqt
Date: 04/15/24 Time: 09:13:19

PROJECT INFORMATION

Company: GHD Limited
Client: Darul-Khair Center Stouffville
Project: 12623499
Location: 27 Winona Drive
Test Well: MW7
Test Date: November 8, 2023

AQUIFER DATA

Saturated Thickness: 0.62 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW7)

Initial Displacement: 0.198 m
Total Well Penetration Depth: 6.72 m
Casing Radius: 0.025 m
Static Water Column Height: 0.62 m
Screen Length: 3. m
Well Radius: 0.075 m
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0001311 m/sec
y0 = 0.2079 m

Appendix F

Water Balance Calculations

Appendix F.1

Water Budget (Thornthwaite Method) - Average Values*

Toronto Buttonville A (1981-2010) **Elevation:** 198.10 masl **Distance Away:** ~ 14.9 km

Month	Mean Temperature (^{o}C)	Heat Index	Potential ET (mm)	Daylight Correction Factor	Adjusted ET (mm)	Total Precipitation (mm)	Surplus (mm)	Deficit (mm)
January	-5.8	0	0	0.82	0	62.1	62.10	
February	-5.6	0	0	0.82	0	50.5	50.50	
March	-0.4	0	0	1.03	0	53.2	53.20	
April	6.7	1.56	29.28	1.12	32.79	74.1	41.31	
May	13	4.25	61.03	1.27	77.51	79.6	2.09	
June	18.6	7.31	90.77	1.28	116.19	82.8	0.00	33.39
July	21.2	8.91	104.93	1.3	136.41	79	0.00	57.41
August	20.2	8.28	99.46	1.2	119.36	76.2	0.00	43.16
September	15.7	5.65	75.23	1.04	78.24	81.8	3.56	
October	8.9	2.39	40.11	0.95	38.10	68	29.90	
November	3.1	0.48	12.46	0.81	10.10	80	69.90	
December	-2.9	0	0	0.78	0	65.7	65.70	
TOTAL	7.7	38.8	513.3		608.7	853.0	378.3	134.0
				TOTAL WATER SURPLUS:		244.3	mm	

Notes:

*Average values of precipitation were used. Average values of temperature were also used.

Water budget adjusted for latitude and daylight

Total Water Surplus is calculated as total precipitation minus adjusted potential evapotranspiration

Appendix F.2
Water Budget Pre-Development

Catchment Designation	Existing Site			Total
	27 Winona Drive			
	Rooftop	Asphalt	Lawn	
Area (m^2)	590	843	978	2411
Pervious Area (m^2)	0	0	978	978
% Pervious (m^2) of development	0%	0%	40.6%	40.6%
Impervious Area (m^2)	590	843	0	1433
% Impervious (m^2) of development	24.5%	35.0%	0%	59.4%
INFILTRATION FACTORS				
Topography Infiltration Factor	0	0	0.25	
Soil Infiltration Factor	0	0	0.25	
Land Cover Infiltration Factor	0	0	0.15	
MECP Infiltration Factor	0	0	0.65	
Actual Infiltration Factor	0.25	0.05	0.65	
Runoff Coefficient	1	0.95	0.35	
Runoff from Impervious Surfaces*	0.8	0.8	0	
INPUTS (PER UNIT AREA)				
Precipitation (mm/yr)	853	853	853	853
Run On (mm/yr)	0	0	0	0
Other Inputs (mm/yr)	0	0	0	0
Total Inputs (mm/yr)	853	853	853	853
OUTPUTS (PER UNIT AREA)				
Precipitation Surplus (mm/yr)	682	682	244	505
Net Surplus (mm/yr)	682	682	244	505
Evaportranspiration (mm/yr)	171	171	609	348
Infiltration (mm/yr)	0	34	159	76
Rooftop Infiltration (mm/yr)	171	0	0	42
Total Infiltration (mm/yr)	171	34	159	118
Runoff Pervious Areas	0	0	86	35
Runoff Impervious Areas	512	648	0	352
Total Runoff (mm/yr)	512	648	86	387
Total Outputs (mm/yr)	853	853	853	853
Difference (Inputs - Outputs)	0	0	0	0
INPUTS (VOLUMES)				
Precipitation (m^3/yr)	503	719	834	2057
Run On (m^3/yr)	0	0	0	0
Other Inputs (m^3/yr)	0	0	0	0
Total Inputs (m^3/yr)	503	719	834	2057
OUTPUTS (VOLUMES)				
Precipitation Surplus (m^3/yr)	403	575	239	1217
Net Surplus (m^3/yr)	403	575	239	1217
Evaportranspiration (m^3/yr)	101	144	595	840
Infiltration (m^3/yr)	0	29	155	184
Rooftop Infiltration (m^3/yr)	101	0	0	101
Total Infiltration (m^3/yr)	101	29	155	285
Runoff Pervious Areas (m^3/yr)	0	0	84	84
Runoff Impervious Areas (m^3/yr)	302	547	0	849
Total Runoff (m^3/yr)	302	547	84	932
Total Outputs (m^3/yr)	503	719	834	2057
Difference (Inputs - Outputs)	0	0	0	0

Notes:
Areas estimated from Google Earth
Pre-development infiltration of ~160 mm/year estimated for this site for native soil

Appendix F.3

Water Budget Post-Development - No Mitigation Strategies

Catchment Designation	**27 Winona Drive**			.
	Landscaping Grass	Parking / Ramp / Paved Areas Asphalt / Concrete	Mosque Rooftop	**Total Area**
Area (m^2)	256	199	1956	2411
Pervious Area (m^2)	256	0	0	256
% Pervious (m^2) of development	10.6%	0%	0%	10.6%
Impervious Area (m^2)	0	199	1956	2155
% Impervious (m^2) of development	0%	8.2%	81.1%	89.4%
		INFILTRATION FACTORS		
Topography Infiltration Factor	0.25	0.25	0	
Soil Infiltration Factor	0.25	0	0	
Land Cover Infiltration Factor	0.15	0	0	
MECP Infiltration Factor	0.65	0.25	0	
Actual Infiltration Factor	0.65	0	0	
Runoff Coefficient	0.35	1	1	
Runoff from Impervious Surfaces*	0	0.8	0.8	
		INPUTS (PER UNIT AREA)		
Precipitation (mm/yr)	853	853	853	853
Run On (mm/yr)	0	0	0	0
Other Inputs (mm/yr)	0	0	0	0
Total Inputs (mm/yr)	853	853	853	853
		OUTPUTS (PER UNIT AREA)		
Precipitation Surplus (mm/yr)	244	682	682	636
Net Surplus (mm/yr)	244	682	682	636
Evaportranspiration (mm/yr)	609	171	171	217
Infiltration (mm/yr)	159	0	0	17
Rooftop Infiltration (mm/yr)	0	0	0	0
Total Infiltration (mm/yr)	159	0	0	17
Runoff Pervious Areas	86	0	0	9
Runoff Impervious Areas	0	682	682	610
Total Runoff (mm/yr)	86	682	682	619
Total Outputs (mm/yr)	853	853	853	853
Difference (Inputs - Outputs)	0	0	0	0
		INPUTS (VOLUMES)		
Precipitation (m^3/yr)	219	169	1669	2057
Run On (m^3/yr)	0	0	0	0
Other Inputs (m^3/yr)	0	0	0	0
Total Inputs (m^3/yr)	219	169	1669	2057
		OUTPUTS (VOLUMES)		
Precipitation Surplus (m^3/yr)	63	136	1335	1533
Net Surplus (m^3/yr)	63	136	1335	1533
Evaportranspiration (m^3/yr)	156	34	334	524
Infiltration (m^3/yr)	41	0	0	41
Rooftop Infiltration (m^3/yr)	0	0	0	0
Total Infiltration (m^3/yr)	41	0	0	41
Runoff Pervious Areas (m^3/yr)	22	0	0	22
Runoff Impervious Areas (m^3/yr)	0	136	1335	1471
Total Runoff (m^3/yr)	22	136	1335	1492
Total Outputs (m^3/yr)	219	169	1669	2057
Difference (Inputs - Outputs)	0	0	0	0

Notes:

*Evaporation from impervious areas was assumed to be 20% of precipitation.

Areas based upon N Architecture Inc. "27 Winona Dr, Whitchurch Stouffville, ON - Place of Worship-Mosque", project no. 22-71, drawing no. A-1.0, dated June 26, 2024

Appendix F.4

Water Budget Post-Development with Downspout Disconnection Mitigation Strategy

Catchment Designation	**27 Winona Drive**			.
	Landscaping Grass	Parking / Ramp / Paved Areas Asphalt / Concrete	Mosque Rooftop	**Total Area**
Area (m^2)	256	199	1956	2411
Pervious Area (m^2)	256	0	0	256
% Pervious (m^2) of development	10.6%	0%	0%	10.6%
Impervious Area (m^2)	0	199	1956	2155
% Impervious (m^2) of development	0%	8.2%	81.1%	89.4%
		INFILTRATION FACTORS		
Topography Infiltration Factor	0.25	0.25	0	
Soil Infiltration Factor	0.25	0	0	
Land Cover Infiltration Factor	0.15	0	0	
MECP Infiltration Factor	0.65	0.25	0	
Actual Infiltration Factor	0.65	0	0	
Runoff Coefficient	0.35	1	1	
Runoff from Impervious Surfaces*	0	0.8	0.8	
		INPUTS (PER UNIT AREA)		
Precipitation (mm/yr)	853	853	853	853
Run On (mm/yr)	0	0	0	0
Other Inputs (mm/yr)	0	0	0	0
Total Inputs (mm/yr)	853	853	853	853
		OUTPUTS (PER UNIT AREA)		
Precipitation Surplus (mm/yr)	244	682	682	636
Net Surplus (mm/yr)	244	682	682	636
Evaportranspiration (mm/yr)	609	171	171	217
Infiltration (mm/yr)	159	0	0	17
% Rooftop Runoff Infiltrating	--	--	18.3%	--
Rooftop Infiltration (mm/yr)	0	0	125	101
Total Infiltration (mm/yr)	159	0	125	118
Runoff Pervious Areas	86	0	0	9
Runoff Impervious Areas	0	682	558	509
Total Runoff (mm/yr)	86	682	558	518
Total Outputs (mm/yr)	853	853	853	853
Difference (Inputs - Outputs)	0	0	0	0
		INPUTS (VOLUMES)		
Precipitation (m^3/yr)	219	169	1669	2057
Run On (m^3/yr)	0	0	0	0
Other Inputs (m^3/yr)	0	0	0	0
Total Inputs (m^3/yr)	219	169	1669	2057
		OUTPUTS (VOLUMES)		
Precipitation Surplus (m^3/yr)	63	136	1335	1533
Net Surplus (m^3/yr)	63	136	1335	1533
Evaportranspiration (m^3/yr)	156	34	334	524
Infiltration (m^3/yr)	41	0	0	41
Rooftop Infiltration (m^3/yr)	0	0	244	244
Total Infiltration (m^3/yr)	41	0	244	285
Runoff Pervious Areas (m^3/yr)	22	0	0	22
Runoff Impervious Areas (m^3/yr)	0	136	1091	1227
Total Runoff (m^3/yr)	22	136	1091	1248
Total Outputs (m^3/yr)	219	169	1669	2057
Difference (Inputs - Outputs)	0	0	0	0

Notes:

*Evaporation from impervious areas was assumed to be 20% of precipitation.

Areas based upon N Architecture Inc. "27 Winona Dr, Whitchurch Stouffville, ON - Place of Worship-Mosque", project no. 22-71, drawing no. A-1.0, dated June 26, 2024

Appendix F.5
Water Budget Summary

PARAMETER	SITE				
	Pre-Development	*Post-Development No Mitigation*	*Difference Pre- vs. Post-*	*Post-Development Mitigation*	*Difference Pre- vs. Post-*
INPUTS (VOLUMES)					
Precipitation (m^3/yr)	2057	2057	0%	2057	0%
Run On (m^3/yr)	0	0	0%	0	0%
Other Inputs (m^3/yr)	0	0	0%	0	0
Total Inputs (m^3/yr)	2057	2057	0%	2057	0%
OUTPUTS (VOLUMES)					
Precipitation Surplus (m^3/yr)	1217	1533	26%	1533	26%
Net Surplus (m^3/yr)	1217	1533	26%	1533	26%
Evapotranspiration (m^3/yr)	840	524	-38%	524	-38%
Infiltration (m^3/yr)	184	41	-78%	41	-78%
% Rooftop Runoff Infiltrating	--	--	--	18.3%	--
Rooftop Infiltration (m^3/yr)	101	0	0%	244	--
Total Infiltration (m^3/yr)	285	41	-86%	285	0%
Runoff Pervious Areas (m^3/yr)	84	22	-74%	22	-74%
Runoff Impervious Areas (m^3/yr)	849	1471	--	1227	--
Total Runoff (m^3/yr)	932	1492	60%	1248	34%
Total Outputs (m^3/yr)	2057	2057	0%	2057	0%

The % of rooftop runoff that must be infiltrated to maintain pre-development infiltration is = 18.3%

Appendix G

Corrosivity Testing

CADUCEON ENVIRONMENTAL LABORATORIES
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CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: G105611 **REPORT No: 23-030213 - Rev. 0**

Report To:
GHD Limited
455 Phillip Street
Waterloo, ON N2L 3X2

CADUCEON Environmental Laboratories
110 West Beaver Creek Rd
Unit #14
Richmond Hill, ON L4B 1J9

Attention: Matt Yee

DATE RECEIVED: 2023-Oct-27
DATE REPORTED: 2023-Nov-06
SAMPLE MATRIX: Soil

CUSTOMER PROJECT: 12623499/27 Winona Dr
P.O. NUMBER: 735-008334

Analyses	Qty	Site Analyzed	Authorized	Date Analyzed	Lab Method	Reference Method
Anions (Solid)	2	OTTAWA	VKASYAN	2023-Nov-03	A-IC-01	SM 4110B
Conductivity Meter (Solid)	2	OTTAWA	MDON	2023-Nov-02	A-COND-03	MECP E3530
pH Meter (Solid)	2	RICHMOND_HILL	CBURKE	2023-Oct-31	pH-03	MECP E3530
Redox Potential (Solid)	2	RICHMOND_HILL	CBURKE	2023-Nov-02	In House	SM 2580
Sulphide Solid (Subcontracted)	2	TESTMARK	CBURKE	2023-Nov-01		Subcontracted

R.L. = Reporting Limit
NC = Not Calculated
Test methods may be modified from specified reference method unless indicated by an *

			Client I.D.	BH2 - 1.5-2.0m	BH3 - 3.1-3.6m
			Sample I.D.	23-030213-1	23-030213-2
			Date Collected	2023-10-25	2023-10-25
Parameter	**Units**	**R.L.**		-	-
Conductivity @25°C	mS/cm	0.001		0.326	0.067
Resistivity (calculated)	Ohms*cm	-		3070	15000
pH @25°C	-	-		7.74	7.77
Redox Potential	mV	-		238	238
Chloride	µg/g	5		109	13
Sulphate	µg/g	10		109	41

Michelle Dubien
Data Specialist

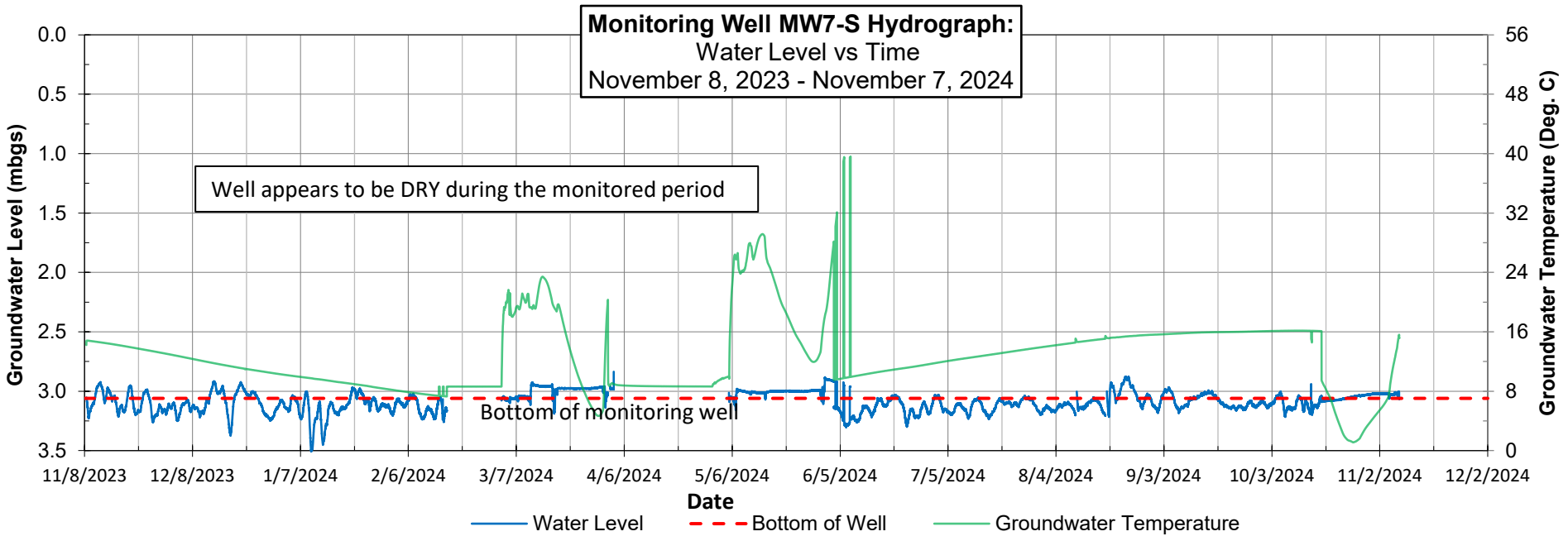
Subcontracted Analyses

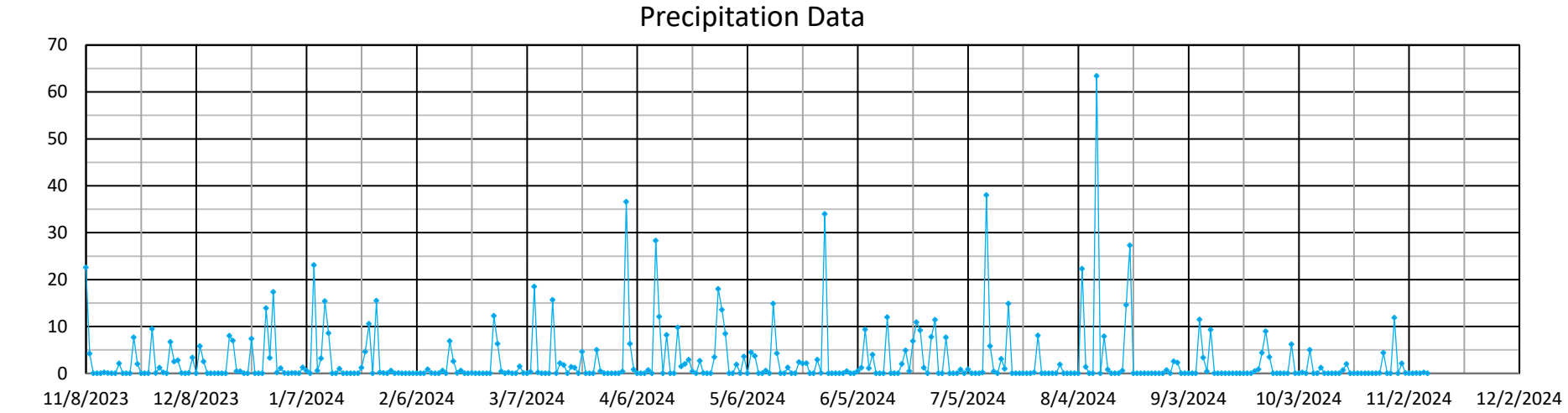
Parameter	Units	R.L.	Client I.D.	BH2 - 1.5-2.0m	BH3 - 3.1-3.6m
			Sample I.D.	23-030213-1	23-030213-2
			Date Collected	2023-10-25	2023-10-25
			-	-	-
Sulphide	µg/g	-		<0.3	<0.3

Michelle Dubien
Data Specialist

Appendix H

Hydrographs





Precipitation data from Uxbridge West weather station (climate ID 6159123)

Hydrograph - Monitoring Well MW7-S

Water level data from Nov. 8, 2023 to Nov. 7, 2024
Well depth = 3.1 mbgs
WL on Nov. 8/23 = DRY; Nov. 7/24 = DRY
mbgs = metres below ground surface

DATE: NOVEMBER 2024

LOCATION: 27 WINONA DRIVE, STOUFFVILLE, O

JOB NUMBER: 12623499-01

FIGURE NUMBER: H.1

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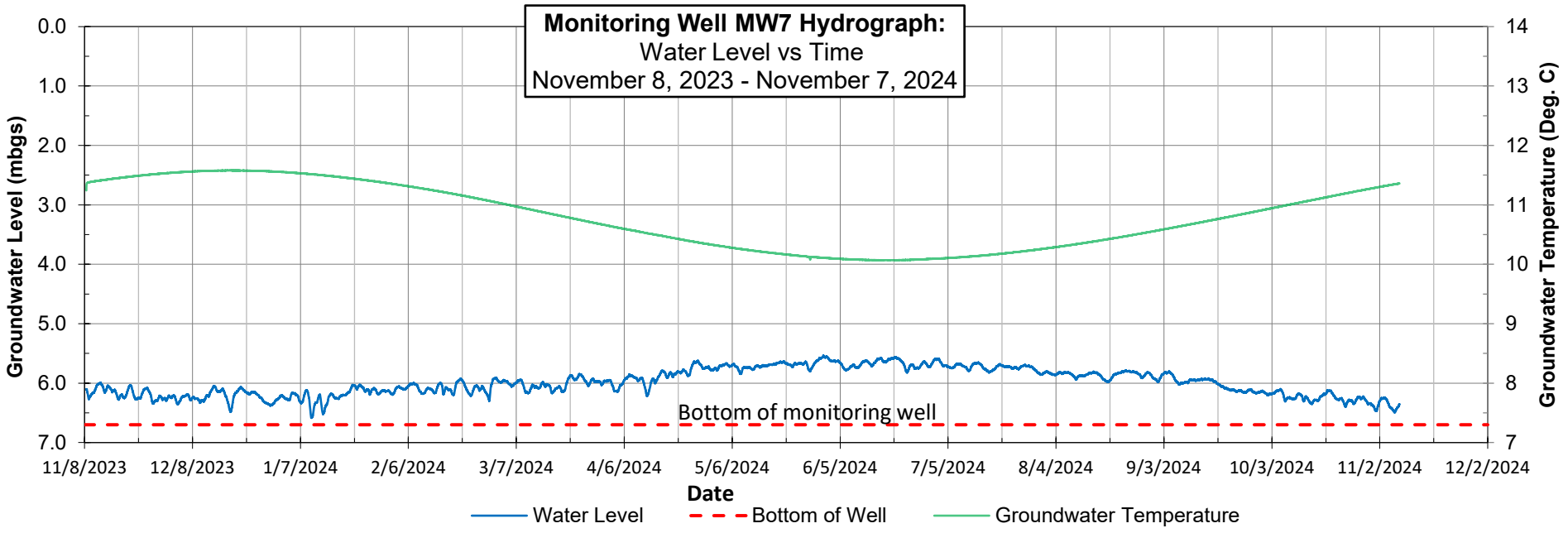

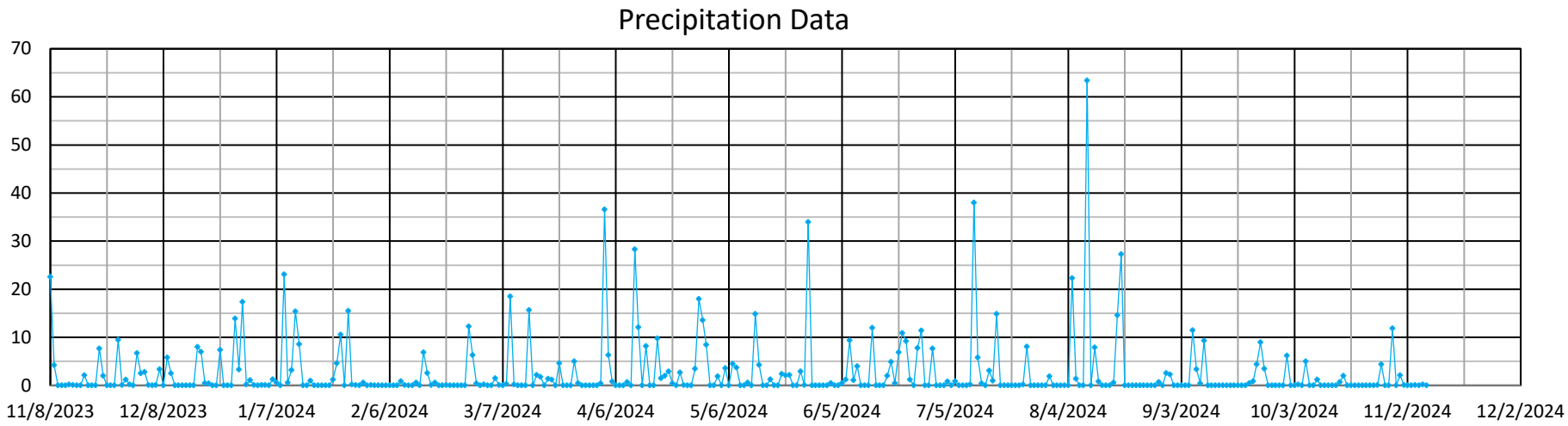

Precipitation data from Uxbridge West weather station (climate ID 6159123)

Hydrograph - Monitoring Well MW7

Water level data from Nov. 8, 2023 to Nov. 7, 2024
Well depth = 6.7 mbgs
WL on Nov. 8/23 = 6.10 mbgs; Nov. 7/24 = 6.35 mbgs
mbgs = metres below ground surface

DATE: NOVEMBER 2024

LOCATION: 27 WINONA DRIVE, STOUFFVILLE, O

JOB NUMBER: 12623499-01

FIGURE NUMBER: H.2

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