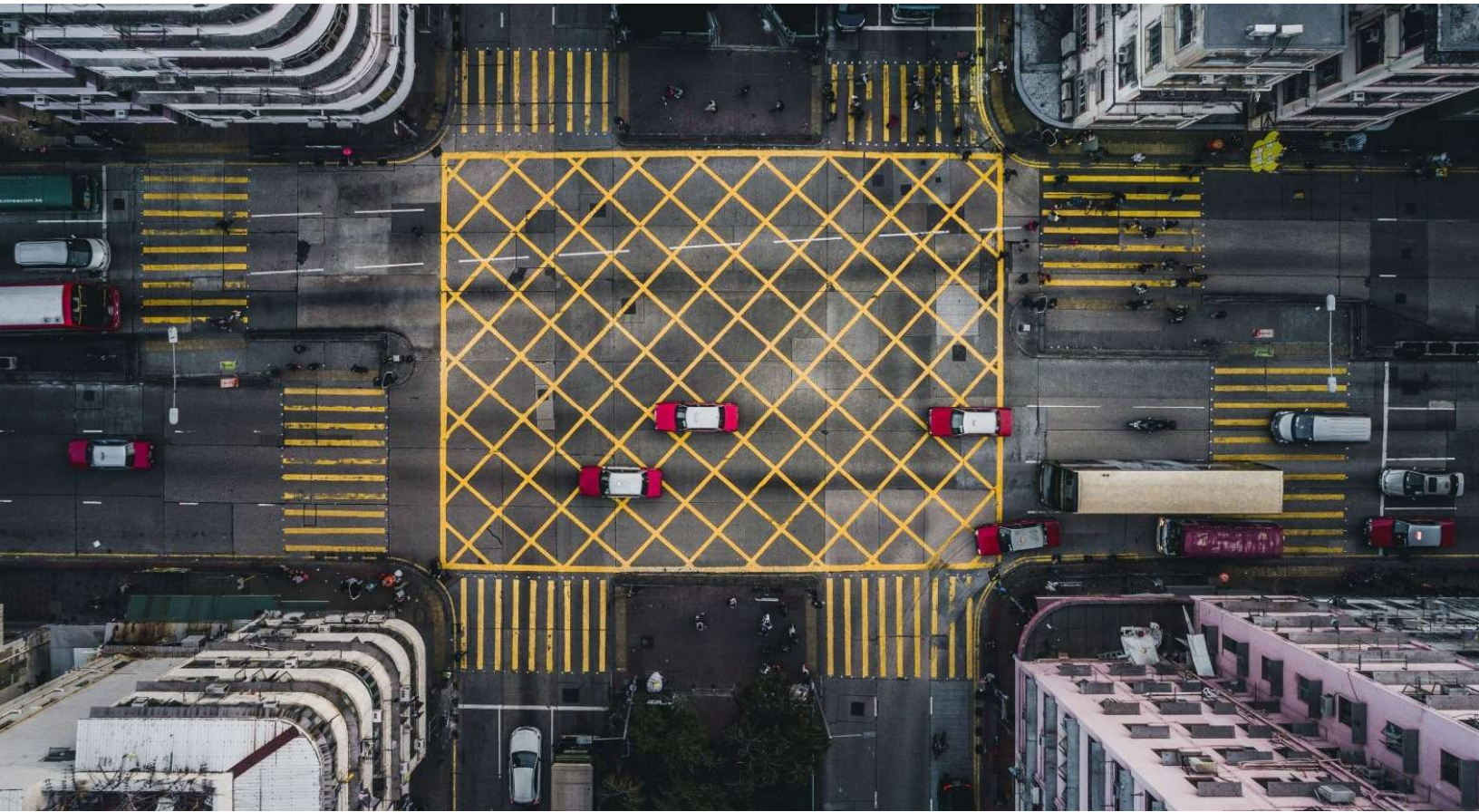
Hydrogeological and Geotechnical Investigation

Proposed Residential Development, Bridgenorth, Ontario

Base-Land Developments Inc.

18 November 2025

→ The Power of Commitment



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1. Introduction

GHD Limited (GHD) was retained by Base-Land Developments Inc. (Client) to conduct a hydrogeological assessment and geotechnical investigation of a proposed residential development to be located within in Bridgenorth, Ontario (herein referred to as "the Site"). Geographically, the Site is located within Part of Lot 12, East Side of Communication Road in Selwyn Township within the County of Peterborough. The location of the Site is provided on the **Site Location Plan, Figure 1**.

The Site encompasses an area of 15.6 hectares (ha) (38.5 acres). The development will include residential homes, a stormwater management block and internal streets. The Site area does not include the identified conveyance lands or other lands owned by the Client (i.e. these areas will not be discussed further in this report). The future residential lots are proposed to range in area from about 0.20 ha to 0.49 ha. There is a block in the northwest corner where the stormwater management pond is to be constructed and a block in the northeast area of the Site planned for a community park. The residential lots will be serviced on individual wells and septic systems. The concept plan[1] is illustrated on **Figure 2**.

The purpose of the hydrogeological and geotechnical investigation was to obtain subsurface information regarding the soil and groundwater conditions at the test hole locations and prepare a report summarizing the conditions encountered. The hydrogeological portion of this report provides information regarding the groundwater depth and flow direction as well as preliminary water balance calculations and a nitrate impact assessment based upon the provided concept plan. The geotechnical portion of this report provides engineering recommendations regarding earthwork construction, backfilling, groundwater control during construction, bearing capacity and foundations design, slab-on-grade design, construction of stormwater management facilities, service installation (bedding and backfill), pavement structure for roadways, and preliminary recommendations regarding potential excess soils handling options.

The scope of work included a desktop review of available geological and groundwater mapping and the Source Protection Information Atlas; a review of the Ministry of the Environment, Conservation and Parks (MECP) well records; a well survey of homes within approximately 250 m of the development lands; the drilling of boreholes and excavation of test pits to investigate the subsurface conditions; installation of monitoring wells to facilitate water level measurements, aquifer testing of two (2) local wells; and, percolation rate (T-time) testing of the shallow vadose zone soils for septic design. In addition, a generic water balance evaluation was completed (i.e. pre- and post-development runoff / infiltration conditions) in support of potential stormwater mitigative options of excess runoff using Low Impact Development strategies or "LIDs". 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 the excess soil testing is preliminary and can be used to develop a soils management program as required but does not include an Assessment of Past Uses, Sampling Analysis Plan, Soil Characterization Report or Excess Soil Destination Assessment. These additional planning documents can be completed as necessary.

This report is organized into the following sections:

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

Section 2.0 – Background: Provides a description of the existing Site conditions, background information and surrounding land uses. The regional environmental setting including the physiography, topography, surface water features 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

[1] Skelton Brumwell & Associates Inc. "Base-Land Developments Inc. Bridgenorth County of Peterborough Draft Plan", Project No. 11-2588, Drawing No. 2588-DP, dated August 2024.

December 12, 2024. Highly vulnerable aquifers, significant groundwater recharge areas and wellhead protection areas are protected under the Clean Water Act (2006).

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 and aquifer. Also discusses the analytical results from the testing completed.

Section 5.0 – Discussion and Recommendations: This section of the report provides hydrogeological and geotechnical discussion and recommendations. The discussion includes a potable water supply assessment, septic waste assessment including predictive nitrate impact calculations, a water balance evaluation of the expected pre- and post-development infiltration values, and geotechnical recommendations for the proposed development based on the soil and groundwater conditions encountered at the test hole locations.

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

1.1 Limitations

This report has been prepared by GHD for Base-Land Developments Inc. and may only be used and relied on by Base-Land Developments Inc. for the purpose agreed between GHD and Base-Land Developments Inc. as set out in Section 1 of this report.

GHD otherwise disclaims responsibility to any person other than Base-Land Developments Inc. arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD and described throughout this report. GHD disclaims liability arising from any of the assumptions being incorrect.

2. Background

2.1 Site Description

The Site is accessed from East Communication Road, in Bridgenorth, Ontario and encompasses an area of 15.6 ha (38.4 acres). Geographically, the Site is located within Part of Lot 12, East Side of Communication Road in Selwyn Township within the County of Peterborough (the former Township of Smith).

At the time of GHD's field investigation, the Site consisted of agricultural land, treed hedgerows, and a forested area located in the west-central area of the Site.

The surrounding land usage was observed as follows:

– North: Commercial businesses and existing residential;
– East: Residential lots;
– South: Agricultural lands; and,
– West: Public school, commercial businesses and forested land.

The surrounding lands are privately serviced for water and septic. It is understood by GHD that the future lots at the Site will be serviced on individual wells and septic systems.

GHD was provided with a preliminary draft plan, and it is our understanding that the planned development will include the construction of thirty-eight (38) residential lots, a stormwater management pond, a community park, and an internal road network.

2.2 Regional Setting

The area topography is generally considered to be rolling. Relief change within the Site is on the order of 20 to 25 m with a topographical divide from a ridge in the eastern area (elevation 285 m). The existing grade in the northwest corner of the Site is about 260 m, and about 270 m in the northeast, southeast and southwest corners of the Site. Excess surface water will flow in accordance with local topography towards the northeast and southeast areas of the Site. At this time, GHD is unaware of final grading for the proposed development. The regional topography is provided on **Figure 3** with a drumlin area depicted on the north side of the Site.

The Site is situated within the physiographic region known as the Peterborough Drumlin Field. Surfical geology is presented on **Figure 4**. The soils are typical of drumlinized till plains Based on the topography mapping of the Site, and our site observations, there is a drumlin located in the southeast corner of the Site and not in the north portion of the site as depicted on Figure 3..

The surficial geology in the area of the Site is illustrated on **Figure 5**. The surficial geology of the Site itself consists of stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain. The Quaternary geology (**Figure 6**) indicates that the Site is comprised of glaciofluvial ice-contact deposits described as gravel and sand minor till including esker, kame, end moraine, ice-marginal delta and subaqueous fan deposits.

The bedrock of the area consists of limestone of the Upper Ordovician era. Bedrock mapping is provided as **Figure 7**. Based upon the well records where bedrock was encountered in this area, the depth to bedrock ranged from 5 to 28 metres below ground surface (mbgs) with an average depth of 16 mbgs. Bedrock was not encountered in any of the boreholes or test pits advanced at the Site.

2.3 Source Water Protection

The Site is located with the Otonabee-Peterborough Source Water Protection Area. Based on the information reviewed from the “Source Water Protection Atlas” for the Site, there are no Significant Groundwater Recharge Areas (SGRAs), Highly Vulnerable Aquifers (HVAs) or a wellhead protection areas (WHPAs) including WHPA Q1/Q2 also. Source Water Protection features in the area of the Site are depicted on **Figure 8**.

2.4 Previous Investigations

No previous hydrogeological or geotechnical investigation reports were provided to GHD.

3. Field Investigation

3.1 Methodology

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

– Preparation of a Site-specific health and safety plan and completed underground utility locate clearances including public and private locates.

- Conducted a walkover inspection of the Site.
- Reviewed MECP well records. Completed a well survey by hand delivering letters to local residents to supplement the MECP well records.
- Advanced boreholes and test pits for obtaining hydrogeological and geotechnical parameters.
- Installed monitoring wells within select boreholes to facilitate groundwater monitoring and testing.
- Obtained groundwater levels from the drilled monitoring wells to evaluate depth to groundwater and flow direction.
- Surveyed ground elevations of the monitoring wells, boreholes, and test pit locations.
- Conducted percolation rate testing (T-time) of select areas to evaluate the percolation rate of the unsaturated surficial soils.
- Commenced long-term well monitoring of the installed wells.
- Completed geotechnical laboratory testing in accordance with the latest editions of the ASTM Standards.
- Performed chemical laboratory testing of selected soil samples as a preliminary assessment of potential excess soil options.
- Conducted aquifer performance testing on two (2) water wells located in close proximity of the Site. The test wells are existing drilled water supply wells that are currently in use located at 1032 East Communication Road and 966 Burnside Road.

3.2 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.

3.3 Utility Clearance

GHD completed a pre-drilling Site visit to review the Site conditions and access restrictions. Based on the limits of approach, the boreholes and test pits were positioned appropriately to avoid potential obstructions. The test holes were placed in the field based on our understanding of the proposed development.

Prior to initiating the subsurface investigation activities, the applicable utility companies (e.g. gas, hydro, network cables, water, wastewater, 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 proposed boreholes and test pits were positioned at appropriate locations to avoid existing service lines.

3.4 Test Pit and Borehole Advancement

The scope of work consisted of advancing ten (10) test pits on April 10, 2024, and ten (10) boreholes between April 2 and April 3, 2024. Several of the test pits and boreholes were also placed within the additional lands owned by the Client. Eight (8) of the boreholes were equipped as groundwater monitoring wells. Nested monitoring wells were installed at each location (i.e. 8 monitoring wells at 4 locations). The nested monitoring wells are installed as shallow and deep monitoring wells at each location. The deeper monitoring wells are denoted with an “A” in the identifier (i.e. BH1A-24) and the shallow monitoring wells are labelled with a “B” (i.e. BH1B-24). The test pit and borehole locations are shown on **Figure 2**.

Following their installation, the monitoring wells were documented with the MECP and became the property of the site's owner. Test pit and borehole information is provided in **Table 1** and the monitoring well completion details are presented in **Table 5**. The logs of the test pits and boreholes / monitoring well details are presented in **Appendix B.**

The ten (10) test pits (TP1-24 through TP10-24) were each excavated to depths ranging from 1.8 to 2.1 mbgs by an excavator retained by the Client. The drilling work was carried out by a track-mounted drilling rig, supplied and operated by GET Drilling (GET) under the full-time supervision of a GHD technical representative. The boreholes were advanced to termination depths ranging between 3.0 to 6.7 mbgs. The monitoring wells were installed by GET consistent with the requirements of Ontario Regulation (O. Reg.) 903 – Wells (R.R.O 1990). Installed monitoring wells will need to be abandoned in accordance with O. Reg. 903 once no longer required.

The boreholes were advanced using continuous solid 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 Method (ASTM D1586). 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 in depth. Groundwater level observations and measurements were made in the boreholes as drilling proceeded and upon completion of drilling.

Monitoring wells were constructed with 50 mm (2-inch) Schedule 40 PVC screen and casing. The well screens are 1.5 m (5 feet) or 3.05 m (10 feet) in length and pre-slotted (No. 10 slot). Silica sand pack was placed at the bottom of 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 monument-style steel protective casings. The installation details for each monitoring well are provided in the respective borehole logs.

The boreholes, monitoring wells and test pit locations were surveyed with an EOS Arrow Gold Plus that streams to the Real Time Kinetic (RTK) Network connected to the NAD 83 datum. The ground elevations are provided for engineering analysis purposes only, are not for construction and should be confirmed by a licensed surveyor.

3.5 Physical Laboratory Testing

The physical laboratory testing was completed in accordance with the latest editions of the ASTM standards. A GHD technical representative logged the soil samples encountered in the test holes and examined the samples as they were obtained. The recovered samples were transferred to the GHD laboratory, where they were reviewed by GHD. The detailed results of the examination are recorded on the test hole logs.

Soil samples retrieved during the test pit and drilling programs were submitted for physical testing. Moisture content testing was completed on all of the recovered soil samples. Grain size analyses, consisting of sieve and hydrometer testing, were carried out on four (4) selected samples collected from the test pits and six (6) selected samples collected from the boreholes. The results of the moisture content and grain size distribution analysis are recorded at their corresponding depths on the individual logs in **Appendix B**. The laboratory grain size distribution analyses are summarized in **Table 2** and **Table 3** and the data is graphically provided in **Appendix C**.

3.6 Chemical Laboratory Testing

3.6.1 Preliminary Excess Soil Testing

The chemical laboratory testing that was completed for the preliminary assessment of potential excess soil options was submitted to Caduceon Laboratories (Caduceon), an accredited laboratory with the Canadian Association for Laboratory Accreditation (CALA) for the parameters tested during this investigation. Representative samples of the soil were collected by GHD personnel directly from the sampling equipment during the excavation of the test pits and submitted for chemical analyses.

The samples submitted for analyses were placed into clean laboratory prepared sample bottles. Fresh nitrile gloves were worn when collecting the samples. The soil samples selected for chemical analyses were kept in a cooler on ice for shipment to Caduceon. The following four (4) soil samples were submitted for chemical analyses of petroleum hydrocarbons (PHC), volatile organic compounds (VOCs), and metals and inorganics to evaluate the soil quality for characterization and handling purposes:

– TP1-24, GS1;
– TP4-24, GS2;
– TP8-24, GS2; and
– TP10-24, GS3.

The soil analytical data was compared to Table 1: Full Depth Background Site Condition Standards for Agricultural or Other Property Use (to be referred to as "Table 1 SCS"). The results are summarized in **Table 4** and Laboratory Certificates of Analysis are provided in **Appendix D**.

3.6.2 Test Well Water Quality

The test well water quality was assessed through chemical and bacteriological analyses of samples collected at the end of each pumping test. One (1) sample was collected from each test well after pumping for about 120 minutes. The sample from the test well at 1032 East Communication Road was filtered in the field with a 0.45-micron filter. The sample from 966 Burnside Road was collected and analysed as a raw water sample. The samples were submitted to SGS Canada Inc. (SGS) in Lakefield, Ontario, an accredited laboratory with CALA.

The samples submitted for analyses were placed into clean laboratory prepared sample bottles for a range of parameters including general chemistry, metals and inorganics parameters. Fresh nitrile gloves were worn when collecting the samples. The water samples were kept in a cooler on ice and delivered to SGS. The results of the chemical analyses are summarized in **Table 10** and the laboratory certificates of analysis are provided in **Appendix H**.

3.7 Groundwater Level Monitoring

Manual groundwater levels were collected using a Solinst water level meter. Groundwater levels were collected from the boreholes after completion of drilling as well as from the monitoring wells on April 22, 2024 and May 17, 2024. The water levels from the monitoring wells are summarized in **Table 6**.

3.8 Percolation Rate Testing

In-situ percolation rate (T-time) testing was conducted using an ETC Pask Constant Head Well permeameter to assess preliminary T-time values for future septic systems.

The testing was performed on April 10th and 22nd, 2024 at seven (7) locations:

– INF-01 in the east area of the Site;
– INF-02 adjacent to TP2-24;
– INF-03 adjacent to TP9-24;
– INF-04 in the northeast area of the Site;
– INF-05 in the northwest area of the Site;
– INF-06 in the southeast area of the Site; and,
– INF-07 in the southwest area of the Site.

The percolation testing locations are shown on **Figure 2**. One (1) T-time test was completed at each location. The results are summarized in **Table 8**. The results of the testing are presented in **Appendix E**.

3.9 Aquifer Performance Testing

Two (2) local residents were contacted and authorized GHD to perform short duration pumping tests on their existing drilled, overburden wells located off-site at 966 Burnside Road and 1032 East Communication Road. The well located at 966 Burnside Road is a drilled well with the casing above grade with depth of 11.2 m (37 feet). The well at 1032 East Communication Road is also a drilled well that had recently been upgraded with a pit-less adapter and the well casing extended above the surrounding ground surface. The well record for 1032 East Communication Road indicates a well depth of 22 m (72 feet) and completed within an overburden gravel seam. The well record is provided in **Appendix A**. There was no well record found for 966 Burnside Road.

The aquifer performance testing consisted of a constant rate pumping test performed for two (2) hours at each of the supply wells in order to assess the underlying aquifer. The tests were performed using the existing pumping equipment. Graphical representation of the data collected from the pumping tests is presented in **Appendix G**. Water samples were collected from each well at the end of the pumping tests. The certificates of analysis are provided in **Appendix H**.

3.10 Water Balance Assessment

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. It is our opinion that groundwater infiltration should be maintained as there are existing well users and other natural features in the general area of the proposed development.

This evaluation is based upon the preliminary conceptual plan provided to GHD that includes the planned development of 38 residential lots and an internal road network. There will be a park 0.72 ha in area and a stormwater management area 1.06 ha in area. The internal roads will cover an area of 2.91 ha.

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 (Peterborough Trent U weather station using data from 1981 to 2010 was used), regional evapotranspiration, infiltration and runoff. Weather data from Peterborough Trent U was selected as it was the closest weather station to the Site (~6.6 km away). The detailed calculations are provided in **Appendix F**.

4. Field Investigation Results

The following sections provide a detailed description of the data collected from the field activities including further information on the geology and hydrogeology of the Site based on the results of the investigation completed and on the available background information.

4.1 Summary of Test Hole Information

UTM coordinates and ground surface elevations for each borehole, monitoring well and test pit location were obtained by GHD during the subsurface exploration program in the approximate locations illustrated on **Figure 2**. The location of each test hole is referenced to UTM Zone 17 and ground elevations are based upon measurements obtained using EOS Arrow Gold Plus connected to the RTK network. The following table presents a summary of investigated depths, surface elevations, and UTM coordinates for the test hole locations:

Table 1 Borehole and Test Pit Information

Test Hole ID	Location – UTM Coordinates System		Test Hole Depth (mbgs)	Ground Elevation (m)
	Northing	Easting		
BH1A-24	4917454	709094	6.4	262.9
BH1B-24	4917452	709095	3.0	263.0
BH2A-24	4917335	708794	6.7	271.1
BH2B-24	4917333	708795	3.0	271.2
BH3A-24	4917607	708764	6.5	274.3
BH3B-24	4917606	708762	3.0	274.1
BH4A-24	4917751	708507	6.3	261.5
BH4B-24	4917752	708509	3.0	261.5
BH5-24	4917892	708692	6.3	270.4
BH6-24	4917776	708849	5.6	276.4
TP1-24	4917784	708632	1.8	267.2
TP2-24	4917662	708556	1.2	263.1
TP3-24	4917688	708699	1.8	268.7
TP4-24	4917676	708931	1.8	286.8
TP5-24	4917551	709021	2.0	269.3
TP6-24	4917428	709056	2.0	263.6
TP7-24	4917522	708868	1.8	280.1
TP8-24	4917311	708881	2.1	274.9
TP9-24	4917415	708733	1.8	273.1
TP10-24	4917506	708670	2.1	270.4

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 the purpose of this report only and, if needed, should be confirmed by a licensed surveyor.

4.2 Local Geology and Subsurface Conditions

Based upon information obtained from this investigation, the following surficial materials and geologic deposits underlie the Site. Bedrock was not encountered within the investigation conducted by GHD.

– Surficial Soil – Topsoil
– Native Deposit – Silty Sand / Sandy Silt
– Native Deposit – Sandy Silt / Silty Sand Till

It should be noted that the subsurface conditions are only confirmed at the test hole locations and may vary between and beyond the test hole locations. The boundaries between the various strata, as shown on the test hole 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.

Surficial Soils – Topsoil

Topsoil – A layer of surficial topsoil was encountered in all the boreholes and test pits. The topsoil layer in the test holes ranged from about 150 to 610 mm in thickness and averaged about 325 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.

Native – Sandy Silt / Silty Sand

Below the topsoil within all the test holes was a native sandy silt / silty sand deposit. The sandy silt / silty sand material was comprised of sand and silt with varying amounts of gravel and clay. This layer was observed to extend to about 0.8 to 3.1 mbgs. Within borehole BH1B-24, the sandy silt / silty sand was observed to the termination depth at this location. The material was generally described as brown / light brown, moist to wet, and occasionally mottled.

The SPT N-values obtained from within this native layer ranged from 1 blow / 300 mm to over 100 blows / 300 mm indicating a very loose to very dense in-situ relative density. The average SPT N-value for this soil deposit was approximately 22 blows / 300 mm indicating a compact in-situ relative density.

Based on grain size distribution analyses of seven (7) selected samples, the native sandy silt / silty sand had compositional ranges of 0 to 25 percent gravel, 35 to 69 percent sand, 31 to 65 percent fine-sized particles with a range of 8 to 14 percent clay-sized particles. The measured moisture content of this till deposit ranged 9 to 23 per cent by weight.

Table 2 Physical Laboratory Testing Results – Sandy Silt / Silty Sand

Test Hole ID	Sample Depth (mbgs)	Grain Size (%)				Soil Description (USCS Symbol)
		Gravel	Sand	Fines		
				Silt	Clay-size (1)	
TP3-24	0.3 – 0.6	5	45	50*	-	Silty Sand (SM)
TP4-24	0.3 – 0.6	25	39	36*	-	Silty Sand with Gravel (SM)
TP5-24	0.3 – 0.6	0	69	23	8	Silty Sand (SM)
TP8-24	0.3 – 0.6	21	42	37*	-	Silty Sand with Gravel (SM)
BH3A-24	0.8 – 1.4	15	38	47*	-	Silty Sand (SM)
BH4A-24	0.3 – 0.6	0	35	65*	-	Sandy Silt (ML)
BH5-24	0.6 – 1.2	17	40	29	14	Silty Sand (SM)

Soil particles <2 µm
* denotes percentage of fines (silt and clay) where a hydrometer was not completed to determine % of clay size particles

Native – Sandy Silt / Silty Sand TILL

Below the native sandy silt / silty sand within all the test holes, with the exception of borehole BH1B-24, was a native glacial till deposit. The till was comprised of sand and silt with varying amounts of gravel and clay. Auger grinding was observed during drilling due to occasional cobbles and/or boulders within the till layer. Borehole BH6-24 was terminated at 5.6 mbgs due to auger refusal on cobbles and/or boulders. The till layer was observed to the bottom of all test holes with the exception of BH1B-24. The material was generally described as brown to grey and moist.

The SPT N-values obtained from within the till layer ranged from 26 blows / 300 mm to over 100 blows / 300 mm indicating a compact to very dense in-situ relative density. The average SPT N-value for this soil deposit was approximately 61 blows / 300 mm indicating a very dense in-situ relative density.

Based on grain size distribution analyses of three (3) selected samples, the till had compositional ranges of 13 to 21 percent gravel, 33 to 40 percent sand, 39 to 54 percent fine-sized particles with a range of 17 to 18 percent clay-sized particles. The measured moisture content of this till deposit ranged 5 to 25 percent by weight.

Table 3 Physical Laboratory Testing Results – Sandy Silt / Silty Sand Till

Test Hole ID	Sample Depth (mbgs)	Grain Size (%)				Soil Description (USCS Symbol)
		Gravel	Sand	Fines		
				Silt	Clay-size (1)	
BH1A-24	3.1 – 3.3	16	38	29	17	Till – Silty Sand (SM)
BH3A-24	1.5 – 2.1	13	33	36	18	Till – Sand and Silt (SM)
BH5-24	4.6 – 5.2	21	40	39*	-	Till – Sand and Silt (SM)

Soil particles <2 µm
* denotes percentage of fines (silt and clay) where a hydrometer was not completed to determine % of clay size particles

4.3 Chemical Laboratory Testing Results

The results of the chemical testing are summarized in **Table 4.** The chemical data meets Table 1 SCS. Copies of the Certificates of Analysis are provided in **Appendix D** of this report.

Table 4 Summary of Preliminary Soil Sampling Analytical Results

Parameter	Sample Identification				Table 1 SCS
	TP1-24 GS1	TP4-24 GS2	TP8-24 GS2	TP10-24 GS3	
	Sample Date: April 10, 2024				
Antimony	< 0.5	< 0.5	< 0.5	< 0.5	1
Arsenic	1.9	1.5	1.4	1.4	11
Barium	63	49	63	54	210
Beryllium	0.4	0.3	0.3	0.3	2.5
Boron	2.8	4.2	3.9	4.3	36
Boron (HWS)	0.02	< 0.02	< 0.02	< 0.02	1.5*
Cadmium	< 0.5	< 0.5	< 0.5	< 0.5	1
Chromium	13	10	9	12	67
Chromium (VI)	< 0.2	< 0.2	< 0.2	< 0.2	0.66
Cobalt	5	4	4	4	19
Copper	8	9	10	8	62
Lead	5	< 5	< 5	< 5	45
Molybdenum	< 1	< 1	< 1	< 1	2
Nickel	8	8	7	8	37
Mercury	0.03	< 0.01	< 0.01	< 0.01	0.16
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	1.2
Silver	< 0.2	< 0.2	< 0.2	< 0.2	0.5
Thallium	0.1	< 0.1	< 0.1	< 0.1	1
Uranium	0.5	0.5	0.6	0.5	1.9
Vanadium	25	20	22	18	86
Zinc	24	20	22	18	290
Sodium Adsorption Ratio	0.1	0.07	0.05	0.07	1

Parameter	Sample Identification				Table 1 SCS
	TP1-24 GS1	TP4-24 GS2	TP8-24 GS2	TP10-24 GS3	
	Sample Date: April 10, 2024				
Electrical Conductivity	0.138	0.124	0.123	0.112	0.47
pH	7.47	7.66	7.64	7.71	5 – 9 for surface soil**
Acetone	< 0.5	< 0.5	< 0.5	< 0.5	0.5
Benzene	< 0.02	< 0.02	< 0.02	< 0.02	0.02
Bromodichloromethane	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Bromoform	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Bromomethane	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Carbon Tetrachloride	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Chlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Chloroform	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Dibromochloromethane	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Ethylene Dibromide	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Dichlorobenzene, 1,2-	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Dichlorobenzene, 1,3-	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Dichlorobenzene, 1,4-	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Dichlorodifluoromethane	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Dichloroethane, 1,1-	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Dichloroethane, 1,2-	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Dichloroethylene, 1,1-	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Dichloroethylene, 1,1-cis-	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Dichloroethylene, 1,2-trans-	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Dichloropropane, 1.2-	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Dichloropropene, 1,3-cis-	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Ethylbenzene	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Hexane	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Methylene Chloride	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Methyl Ethyl Ketone	< 0.5	< 0.5	< 0.5	< 0.5	0.5
Methyl Isobutyl Ketone	< 0.5	< 0.5	< 0.5	< 0.5	0.5
Methyl tert-Butyl Ether	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Styrene	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Tetrachloroethane, 1,1,1,2-	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Tetrachloroethane, 1,1,2,2-	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Tetrachloroethylene	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Toluene	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Trichloroethane, 1,1,1-	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Trichloroethane, 1,1,2-	< 0.02	< 0.02	< 0.02	< 0.02	0.05

Parameter	Sample Identification				Table 1 SCS
	TP1-24 GS1	TP4-24 GS2	TP8-24 GS2	TP10-24 GS3	
	Sample Date: April 10, 2024				
Trichloroethylene	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Trichlorofluoromethane	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Vinyl Chloride	< 0.02	< 0.02	< 0.02	< 0.02	0.02
Xylene, m,p,o-	< 0.03	< 0.03	< 0.03	< 0.03	0.05
PHC F1	< 10	< 10	< 10	< 10	17
PHC F2	< 5	< 5	< 5	< 5	10
PHC F3	< 10	< 10	< 10	< 10	240
PHC F4	< 10	< 10	< 10	< 10	120

Notes: *HWS refers to Hot Water Soluble. No standard for Boron (HWS) in Table 1. Standard provided for Table 2 Agricultural or Other Property Use. Boron (HWS) for surface soils only.
**Surface soil is denoted as soil at a depth of less than 1.5 m

4.4 Groundwater Observations and Measurements

Groundwater observations and measurements were collected from the open test holes during and upon completion of drilling or excavating. Groundwater seepage was encountered within eight (8) of the ten (10) boreholes during the drilling process. Slow groundwater seepage of minimal volume (i.e. no significant accumulation) was observed during the test pit process within seven (7) of the test pits. The volume of groundwater from within the underlying deposits is generally expected to be minor; however, pockets of more permeable material may be encountered.

Groundwater seepage was not observed within boreholes BH3A-24 and BH3B-24 or test pits TP4-24, TP8-24, and TP9-24. Monitoring wells were installed within eight (8) of the boreholes. A summary of the monitoring well details are provided as follows:

Table 5 Monitoring Well Information

Location	Ground Elevation (m)*	Well Pipe Stick Up (m)	Screened Interval		Sandpack Interval (effective screen)		Screened Material
			Depth (mbgs)	Elevation (m)	Depth (mbgs)	Elevation (m)	
BH1A-24	262.9	1.02	3.1 – 6.1	259.8 – 256.8	2.7 – 6.1	260.2 – 256.8	Till
BH1B-24	263.0	0.79	1.5 – 3.1	261.5 – 259.9	1.2 – 3.1	261.8 – 259.9	Silty Sand
BH2A-24	271.1	0.83	3.1 – 6.1	268.0 – 265.0	2.3 – 6.1	268.8 – 265.0	Silty Sand
BH2B-24	271.2	0.90	1.5 – 3.1	269.7 – 268.1	1.2 – 3.1	270.0 – 268.1	Silty Sand & Till
BH3A-24	274.3	0.92	3.1 – 6.1	271.2 – 268.2	2.7 – 6.1	271.6 – 268.2	Till
BH3B-24	274.1	1.00	1.5 – 3.1	272.6 – 271.0	1.2 – 3.1	272.9 – 271.0	Till
BH4A-24	261.5	0.95	3.1 – 6.1	258.4 – 255.4	2.4 – 6.1	259.1 – 255.4	Till
BH4B-24	261.5	0.95	1.5 – 3.1	260.0 – 258.4	1.2 – 3.1	260.3 – 258.4	Till

Notes:
(*) 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 for construction purposes, or as a legal survey, or as a topographic elevation survey. “A” denotes a deep monitoring well and “B” denotes a shallow monitoring well

GHD collected groundwater levels from the monitoring wells on April 22, 2024 and May 17, 2024. The water level data is summarized as follows:

Table 6 Groundwater Levels and Elevations

Monitoring Well ID	Groundwater Accumulation*		Water Levels			
			Date: April 22, 2024		Date: May 17, 2024	
	Depth (mbgs)	Elevation (masl)	Water Level (mbgs)	Groundwater Elevation (masl)	Water Level (mbgs)	Groundwater Elevation (masl)
BH1A-24	2.3	260.6	0.25	262.6	0.26	262.6
BH1B-24	2.7	260.3	0.40	262.6	0.43	262.6
BH2A-24	6.6	264.5	0.44	270.7	0.54	270.6
BH2B-24	2.5	268.7	0.48	270.7	0.59	270.6
BH3A-24	Dry borehole to 268.8 masl		0.85	273.4	1.06	273.2
BH3B-24	Dry borehole to 271.1 masl		0.82	273.3	0.97	273.2
BH4A-24	4.3	257.2	0.44	261.0	0.57	260.9
BH4B-24	2.9	258.6	0.53	261.0	0.54	261.0

Notes:
(*) Groundwater accumulation noted in open borehole upon completion of drilling.

Groundwater levels ranged from 0.25 mbgs to 1.06 mbgs. Based upon the data, the groundwater elevations ranged from 261.0 masl at borehole BH4-24 to 273.4 masl at BH3A-24. Groundwater elevations from April 22, 2024 are provided on **Figure 9** (showing the deep monitoring well groundwater elevations) and **Figure 10** (showing the shallow monitoring well groundwater elevations). Long-term groundwater monitoring is currently on-going within BH2B-24, BH3B-24 and BH4B-24 for one (1) year of groundwater data collection.

4.5 Percolation Rate Testing Results

The preliminary T-time data is summarized below and provided in **Appendix E:**

Table 7 Preliminary Percolation Rate Testing Results

Infiltration Test ID	Depth Tested (mbgs)	Soil Tested	Kfs (m/s)	Test Duration (min)	Estimated Infiltration Rate (mm/hr)	Estimated Percolation Rate (min/cm)
INF-1	0.3	Sandy Silt / Silty Sand above the till	1.6×10^{-7}	~27	~25	~24
INF-2 at TP2-24	0.4		1.35×10^{-7}	~28	~23	~26
INF-3 at TP9-24	0.4		1.18×10^{-6}	10	~41	~15
INF-4	0.4		2.7×10^{-7}	95	~28	~21
INF-5	0.4		9.8×10^{-7}	10	~41	~15
INF-6	0.4		4.3×10^{-7}	70	~32	~19
INF-7	0.4		8.6×10^{-7}	96	~38	~16

The T-times at these locations tested range from approximately 15 to 26 min/cm.

5. Potable Water Supply Assessment

5.1 Existing Local Water Supplies

The Site and areas surrounding the Site are privately serviced by water wells. The locations of water wells and their corresponding data recorded by the MECP within 250 m of the Site are shown in **Appendix A.** The MECP well locations are shown on **Figure 9**. The well record information indicates that there are:

– One hundred fifteen (115) drilled overburden well records;
– Thirty-four (34) bedrock well records; and
– Thirteen (13) abandonment, well alteration, monitoring well and unknown records.

Based upon the well records, there are zero (0) dug well records within 250 m of the Site. However, nine (9) records were indicated to have had previously dug wells that were deepened by drilling. Six (6) drilled overburden well were also identified to be flowing artesian wells and five (5) other wells were recorded as having a static water level of zero (i.e. at ground surface) indicating artesian conditions.

Table 8 MECP Well Record Data

Well Use	Well Type/Unit	No. of Wells	Well Depth Min – Max (Avg) (m)	Water Encountered Depth Min – Max (Avg) (m)	Static WL Min – Max (m)	Yield Min – Max (Avg) (L/min)
Water Supply	Overburden – Drilled	115 (77%)	8.2 – 42.7 (16.8)	7.6 – 30.2 (15.8)	Flowing – 15.2 (5.1)	3.8 – 151.2 (25.1)
Water Supply	Bedrock – Drilled	34 (23%)	7.3 – 44.2 (20.5)	5.5 – 18.3 (29.1)	0 – 10.7 (4.3)	3.8 – 48.5 (18.5)
	Total:	**149**				
Abandonment	Unknown	7	5.2 – 21.0 (16.2)	9.8 – 14.3 (12.1)	5.5 – 4.6 (5.1)	3.8 – 22.7 (13.2)
Well Alteration	Unknown	3	11.0 – 18.3 (14.2)	11.0	0.6 – 6.7 (3.7)	NA
Monitoring Well	Drilled	2	9.1	7.9	NA	NA
Unknown	Unknown	1	NA	NA	NA	NA

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

5.2 Well Survey Results

To supplement the MECP well records, well survey letters were delivered to twelve (12) homes adjacent to the Site that included residences on the 7th Line and Brumwell Street. GHD did not receive any responses from residents to the survey letters.

5.3 Aquifer Performance Testing Results

The results of the two (2) pumping tests are graphically presented in **Appendix G**. Both wells were pumped using the existing equipment with a garden hose connected to an outside tap. There is noise in the water level data collected due to the pressure tank and pressure switch turning the pump on and off; however, the flow from the hose was observed to be relatively consistent.

The aquifer testing completed at 966 Burnside Road consisted of pumping the well at approximately 14.0 L/min for two (2) hours. The pump setting at this well was unknown. The maximum drawdown was 0.79 m (2.6 feet) after pumping ceased with 100% recovery after about six (6) hours and 20 minutes. Based upon a flow rate of 14 L/min, approximately 1,680 litres of water was pumped.

The aquifer testing completed at 1032 East Communication Road consisted of pumping the well at approximately 15.0 L/min for two (2) hours and five (5) minutes with the pump set at 12.2 m (40 feet). The maximum drawdown was 1.85 m (6.1 feet) with 100% recovery in 7.5 minutes. Based upon a flow rate of 15 L/min, approximately 1,87 litres of water was pumped.

The computed coefficients from the pumping tests are summarized below in **Table 9**.

Table 9 Aquifer Performance Testing Summary

Well No.	Step No.	Yield		Test Type	Time	Maximum Drawdown		Available Drawdown*		Specific Capacity		Estimated Transmissivity	
		gpm	L/min		minutes	feet	metres	feet	metres	gpm/ft	L/min/m	gpd/ft	m^2/day
966 Burnside Road	1	0	0	Static	0	0	0	23.6	7.2	---	---	---	---
	2	3.7	14.0	Const.	120	2.6	0.8	21.0	6.4	1.41	17.5	827.0	12.3
	3	0	0	Recvy.	379	100% recovery at 379 minutes						1654.0	24.6
1032 East Communication Road	1	0	0	Static	0	0	0	14.2	4.3	---	---	---	---
	2	4.0	15.0	Const.	125	6.1	1.85	8.1	2.5	1.02	12.7	252.9	3.8
	3	0	0	Recvy	7.5	100% recovery in 7.5 minutes						318.7	4.7

Notes:
gpm = US gallons per minute; gpd/ft = gallons per day per foot
"Recvy" refers to Recovery measurements; "Const" refers to the Constant Rate test conducted for 360 minutes.
*Available Drawdown refers to the height of water in the well above the bottom of the well at 966 Burnside Road and above the pump at 1032 East Communication Road.

The results indicate that the tapped overburden aquifer complex exhibits good transmissivity characteristics. The testing data and the supporting MECP well data indicates that the drilled wells can sustain a long-term operational yield that can support residential lots. It is noted that the pumping tests were affected by the plumbing equipment (i.e., pressure tank volumes) illustrated by the cycling that occurred during the testing. However, based on the limited drawdown and moderate to quick recovery times, it is our opinion that the aquifer can likely support the proposed development and a supplemental evaluation of the aquifer as a suitable water source should be completed to confirm this.

Based on the short-term aquifer performance testing, the two (2) overburden wells tested each are capable of supplying a minimum of 14 L/min (3.7 gpm) with the aquifer indicating acceptable recovery capabilities. The volumes pumped are more than sufficient for a single-family dwelling that typically uses on the order of 1,000 L/day. Representative number of test wells as per the MECP document D-5-5 would need to be installed across the Site and more detailed testing completed to confirm the groundwater resource availability and to assess potential interference impacts to existing users.

5.4 Test Well Water Quality

Water quality was monitored in the field during the pumping test. This included measurement of pH, temperature, conductivity, turbidity and chlorine residual. The water at 966 Burnside Road was observed to have relatively consistent water quality with respect to all parameters and turbidity around 1 NTU or lower. The well at 1032 East Communication Road was also relatively consistent except for elevated turbidity. The water was observed to have red colouration suggesting the presence of iron. This may have been related to the recent work completed on the well and the well redeveloping. The owner did indicate that they have a treatment system that included iron filtration. The field reading data are provided on the Constant Rate graphs provided in **Appendix G**.

Water samples were collected from each test well at the end of each pumping test. The analytical data is summarized and compared with the Ontario Drinking Water Standards (ODWS) in the following table. The certificates of analyses are provided in **Appendix H**.

Table 10 Test Well Water Quality Summary

Parameter	Test Well Locations		ODWS	
	966 Burnside Road	1032 East Communication Road		
	Sample Date: September 23, 2024			
	Sample Time: 120 minutes into the test		MAC	AO/OG
UV Transmittance	87.6	92.2	--	--
Alkalinity (as $CaCO_3$)	376	267	--	30 to 500
Colour (TCU)	< 3	< 3	--	--
Conductivity (µS/cm)	1410	996	--	--
pH (units)	7.48	7.68	--	6.5 to 8.5
Total Suspended Solids	7	62	--	--
Total Dissolved Solids	**874**	**577**	--	500
Turbidity (NTU)	**33**	**45**	--	5
Organic Nitrogen	< 0.05	< 0.05	--	0.15
Total Kjeldahl Nitrogen	0.09	0.05	--	--
Ammonia + Ammonium as N	0.07	< 0.04	--	--
Total Organic Carbon	1	< 1	--	--
Dissolved Organic Carbon	2	1	--	--
Chloride	**260**	140	--	250
Fluoride	0.17	0.11	1.5	--
Nitrite as N	< 0.03	< 0.03	1.0	--
Nitrate as N	< 0.06	0.13	10	--
Sulphate	50	36	--	500
Phosphorus	< 0.03	< 0.03	--	--
Mercury	< 0.00001	< 0.00001	0.001	--
Hardness (as $CaCO_3$)	**556**	**337**	--	80 to 100
Aluminium	< 0.001	0.001	--	--
Antimony	< 0.0009	< 0.0009	0.006	--
Arsenic	0.0011	< 0.0002	0.01	--
Barium	0.197	0.0866	1.0	--
Boron	0.032	0.015	5.0	--
Cadmium	0.000005	< 0.000003	0.005	--
Calcium	161	103	--	--
Chromium	0.00017	< 0.00008	0.05	--
Copper	0.003	0.001	--	--
Iron	**2.60**	< 0.007	--	0.3
Lead	< 0.00009	< 0.00009	0.010	--
Magnesium	37.3	19.5	--	--
Manganese	**0.0737**	0.00639	--	0.05

Parameter	Test Well Locations		ODWS	
	966 Burnside Road	1032 East Communication Road		
	Sample Date: September 23, 2024			
	Sample Time: 120 minutes into the test		MAC	AO/OG
Potassium	3.60	2.17	--	--
Sodium	71.2	63.9	--	(20) 200
Selenium	0.00009	0.00006	0.05	--
Uranium	0.00382	0.00220	0.02	--
Zinc	< 0.002	0.005	--	5.0

Notes:
Units are mg/L unless otherwise stated; "<" indicates concentrations are less than laboratory reporting limits
MAC = maximum acceptable concentration
AO / OG = aesthetic objective / operational guideline
Bolded and Highlighted indicates the concentration exceeds the ODWS AO / OG.

In general, the majority of the parameters are within the ODWS. The exceptions are the aesthetic parameters of hardness, turbidity and total dissolved solids (TDS) in both wells. Elevated hardness is a common trait of groundwater supplies in Southern Ontario due to the presence of limestone bedrock and calcareous glacial tills. Elevated hardness can lead to a buildup on plumbing fixtures and, if desired, can be reduced by the use of a water softener. There was slightly elevated chloride in the water at 966 Burnside Road that can be reduced through reverse osmosis if desired. There is also elevated iron and manganese in this well.

As indicated above, the water sample from the well at 1032 East Communication Road was field filtered and would likely have had elevated iron as well. The low concentration of iron in the filtered sample indicates that commercially available iron reduction treatment equipment would adequately reduce the iron concentration. The elevated turbidity and TDS are likely related to the elevated iron, manganese and hardness in the groundwater. Treatment for these parameters would likely reduce the TDS value.

Both samples had sodium above 20 mg/L. At levels above 20 mg/L, it is recommended that users be notified in the event they are on a sodium reduced diet. Sodium is below the aesthetic objective of 200 mg/L where users might notice an objectional taste. No other health related parameters approached or exceeded the Maximum Acceptable Concentration (MAC).

6. Septic Waste Disposal

6.1 General

Based on the results of this assessment, it is our professional opinion that the Site is suitable for the construction of septic waste disposal systems; however, will require the use of tertiary treatment. The primary impact of the proposed land use is related to the potential increase in nitrate concentration due to septic effluent loading. A detailed review of the expected waste disposal impacts and recommendations are presented in the following sections.

6.2 Septic Impact Evaluation – Nitrate

For the purposes of calculating the potential impact of the planned residential development, 1,000 litres per day per household is considered to be an acceptable septic effluent loading rate. Therefore, the proposed development is expected to generate about 38,000 L/day (38 m^3/day) of septic effluent based on thirty-eight (38) lots.

While most constituents in septic effluent are usually removed within a short distance of movement within soil, mobile constituents such as nitrates will require sustained dilution to meet the drinking water standards of 10 mg/L N for nitrate. The MECP normally considers sewage from a Class 4 waste disposal system will contain 40 mg/L of nitrate. For the purpose of assessing the untreated impact of projected nitrate loading, the dilution requirement of 4:1 was utilized in the impact computations.

A summary of the applicable parameters that were considered in the waste disposal evaluation and the computation of the projected nitrate concentration are presented below. The calculations used an estimated recharge rate of 175 mm/year based on the exploratory test pits. Using dilution only, the nitrate concentration generated from sewage for the development based upon a conventional septic system is calculated to be 13.7 mg/L. Using a conventional septic system, the projected nitrate concentration using dilution only for the proposed development would exceed 10 mg/L. Therefore, a tertiary treatment system (e.g. Enviro-Septic System) can reduce the nitrate concentrations by 30 percent. Based on this reduction, the nitrate concentration generated for the proposed development is now calculated to be 9.6 mg/L, meeting the 10 mg/L drinking water standard for nitrate. The predictive nitrate assessment calculations for the proposed development using conventional systems or tertiary systems are provided in **Appendix I**. **Table 11** provides a summary of the septic impact parameters for the proposed development:

Table 11 Septic Impact Parameters

Parameter	Value	
	Conventional System	Tertiary System
Nitrate Concentration	40 mg/L	28 mg/L
Recharge Available for Dilution	175 mm/year	
Area Available for Dilution	15.2 ha	
Total Available Dilution	26,600 m^3/year	
Background Nitrate (site conditions)	0.08 mg/L	
Nitrate Loading (40 mg/L or 28 mg/L x 38,000 L/day)	1,520,000 mg/day	1,064,000 mg/day
Predicted Nitrate Concentration	13.79 mg/L	9.68 mg/L

Based on conventional septic system, the projected nitrate concentrations using dilution only would be 13.79 mg/L for the 38-lot development. However, the use of tertiary treatment systems with a 30 percent reduction would result in a predictive nitrate concentration of 9.68 mg/L for the 38 lots, which is below the ODWS of 10 mg/L for nitrate. The locations of future wells and septic systems is essential to prevent cross-contamination.

6.2.1 Waste Disposal Requirements

Based on the results of this assessment, it is our professional opinion that the Site is suitable for a private septic waste disposal system using tertiary treatment units. Fill will be required, and drainage patterns and storm drainage will be re-directed and controlled as part of the grading plan. Based upon the lot sizes, there is sufficient space to locate the homes and septic systems. As indicated, this development will be serviced by individual potable water wells and appropriate setback distances from the wells will be required.

The waste disposal systems should meet Ontario Regulation 350/06 made under the Building Code Act, 1992 and incorporate the following design features:

1. Organics should be stripped from the area of the septic system.
2. The waste disposal systems should be kept clear of surface drainage swales, roof leader drains, and other sources of surface water.
3. The tile beds should be kept away from shade trees and a healthy cover of vegetation should be developed and maintained over the beds to promote evapotranspiration.
4. Minimum set back distances from septic tank (plus 2 times height raised):

a. Building – 1.5 m
b. Property line – 3 m
c. Drilled Well – 15 m
d. Open water course – 15 m

5. Minimum set back distances from septic tile bed (plus 2 times height raised):
   a. Building – 5 m
   b. Property line – 3 m
   c. Drilled well, properly sealed – 15 m
   d. Shallow well – 30 m
   e. Open water course – 15 m
6. The layout, design and construction of the waste disposal bed should be subject to inspection by experienced hydrogeologic personnel.

Currently the client is proposing the EnviroSeptic System or similar system that is approved by the Ontario Building Code and is to be constructed in accordance with the specifications and manufacturing requirements of the system.

GHD can provide a conceptual figure that outlines the proposed locations of the septic system and house envelope once more information becomes available. It is our opinion that there is sufficient area within the proposed lots to support the tile bed and /or tertiary system and house.

7. Discussion and Recommendations

7.1 Hydrogeology

7.1.1 Hydrostratigraphic Units

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

– **Topsoil** – unsaturated
– **Native Silty Sand**
– **Sand and Silt Till** – unsaturated – saturated (aquitard)

Based on the test hole investigation, the shallow sand and silt till is generally expected to be unsaturated across the Site. In our opinion, the Site is hydraulically discontinuous and there is not a shallow permanent groundwater table across the Site. Seasonally or during significant storm events, surface water may infiltrate the topsoil and be perched upon the underlying till deposit.

The till deposit is generally expected to act as an aquitard underlying the Site. There may also be thin sand seams throughout the unit providing a higher permeability conduit for potential groundwater flow; however, the volume of groundwater from these seams is generally expected to be minimal.

7.1.2 Flow Direction

Based upon the groundwater level data collected, there appears to be a flow divide at the Site centred around the monitoring wells at BH3-24 and as depicted on the **Groundwater Elevations, Figures 9** and **10**. The groundwater flow direction is indicated to be toward the northwest and southwest from this approximate area near the centre of the Site for both the shallow and deep monitoring wells. Groundwater flow through the till deposit is expected to be relatively slow. It should be noted that groundwater levels are transient and tend to fluctuate with the seasons, periods of precipitation and temperature.

7.2 Water Balance Results

7.2.1 Pre-Development Water Balance

The pre-development water balance incorporated the existing soils, slope and agricultural areas. The infiltration factor for the area was calculated from the table of values presented in the "Land Development Guidelines"[2]. It is based on three sub-factors which are:

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

A topography factor of 0.15 (intermediate value between hilly and rolling) was utilized for the Site. A soil factor of 0.25 was used to represent a sandy silt / silty sand material understood to be the predominant soil type at the Site. The existing vegetation factor for the pre-development Site ranged from agricultural to treed areas. There were no structures included in the pre-development calculations (see **Appendix F.2** for a breakdown of the areas). **Table 12** summarizes the expected pre-development water balance values for the Site:

Table 12 Pre-Development Summary

Description / Parameter	Value
Total Precipitation (Peterborough Trent U)	**882.2 mm/yr**
Regional Evapotranspiration	584.4 mm/yr
Recharge Available	297.8 mm/yr
Site Area	155,600 m^2
Pervious Areas	155,600 m^2 (100%)
Impervious Areas	0 m^2 (0%)
Total Water Surplus - Percent of Precipitation – 33.8%	46,336 m^3/yr
Evapotranspiration - Percent of Precipitation – 66.2%	90,934 m^3/yr
Total Estimated Infiltration - Percent of Precipitation – 19.8%	27,248 m^3/yr
Total Estimated Runoff - Percent of Precipitation – 13.9%	19,088 m^3/yr

Based upon our calculations, the pre-development Site is 100% pervious. Based upon the pre-development values, the overall Site infiltrates on the order of about 27,248 m^3 per year or about 175 mm/year. The infiltration rate appears to be suitable for the Site given that the soils below the topsoil were generally observed to be silty sand / sandy silt material.

7.2.2 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 roof tops and asphalt surfaces. These are assumed to be impervious surfaces with zero infiltration capacity in this model. A

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

summary of the computations is based upon the conceptual plan provided to GHD. The post-development summary without infiltration enhancements is provided in **Table 13** with detailed calculations provided in **Appendix F.3**:

Table 13 Post-Development Summary (No Infiltration Enhancements)

Description / Parameter	Value
Site Area	155,600 m^2
Pervious Areas - Lawn / Grass - Open Space / Park	125,011 m^2 (80.3% of the Site area) -117,811 m^2 -7,200 m^2
Impervious Areas - Rooftops - Asphalt roadways and driveways - Stormwater pond	30,589 m^2 (19.7% of the Site area) -8839 m^2 -16,450 m^2 -5,300 m^2
Total Water Surplus - Percent of Precipitation – 42.8%	58,815 m^3/yr
Evapotranspiration - Percent of Precipitation – 57.2%	78,455 m^3/yr
Total Estimated Infiltration - Percent of Precipitation – 16.4% Infiltration % Difference (pre- vs post-)	22,523 m^3/yr (-17%) (decrease)
Total Estimated Runoff - Percent of Precipitation – 26.4% Runoff % Difference (pre- vs post-)	36,292 m^3/yr (90%) (increase)

Assumptions that were made in order to compute the post-development water budget in **Table 13** included evaporation from impervious surfaces and the impermeable surface areas of asphalt surfaces and building roof tops with zero (0) infiltration capability. Under this scenario, impervious surfaces increased by about 20%; the total infiltration volume decreased by about 17% and runoff volume increased by approximately 90%.

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. The following section discusses the water balance after considering the mitigation strategy of conveying rooftop stormwater to Low Impact Development (LID) features for infiltration.

7.2.3 Post-Development Water Balance (With Enhanced Infiltration)

The post-construction water budget computations were repeated considering enhanced infiltration options which are also known as LID technologies. The water balance provides generic infiltration and runoff values that was 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 building roof tops can be directed via downspouts (disconnected from storm sewers in this example) to sodded areas or undeveloped areas (open spaces, parks etc.) for infiltration. Downspout disconnection, for example, can reduce runoff by 25% to 50% based on LID documentation developed by the Credit Valley Conservation and Toronto and Region Conservation Authority. In this model, based upon the size of the residential lots, it is assumed that 50% of the rooftop runoff will infiltrate into the

ground. This water balance model also includes the use of enhanced grass swales to supplement infiltration from roof tops only. Stormwater runoff from road surface and driveways is expected to be conveyed to swales / ditches adjacent to the roadways. Enhanced grass swales can reduce runoff by 10% to 20%. For this model, it is assumed that 20% will be infiltrated. As noted above, this is a generic water balance to illustrate that there is sufficient surplus water to be infiltrated to match pre-development values; the actual LIDs selected will be at the discretion of the stormwater design team.

A summary of the post-construction water budget with mitigation measures for infiltration is presented in **Table 14**.

Table 14 Post-Development Summary with Enhanced Infiltration – Downspout Disconnection and Enhanced Grass Swales

Description / Parameter	Value
Site Area	155,600 m^2
Rooftop Stormwater Surplus Available	6,238 m^3/yr
Infiltration via Pervious Surfaces	21,303 m^3/yr
Rooftop Infiltration	3,119 m^3/yr
Asphalt Roads Stormwater Surplus Available	10,269 m^3/yr
Enhanced Swale Infiltration	2,054 m^3/yr
Post-Development Infiltration with Enhanced Infiltration Measures Infiltration % Difference (pre- vs post-)	27,696 m^3/yr (1.6%) (increase)
Total Estimated Runoff Runoff % Difference (pre- vs post-)	31,119 m^3/yr (63%) (increase)

In this scenario illustrated and based on the information provided, the infiltration values have been modelled to show that pre-development infiltration can be maintained utilizing LID strategies. Provided the pre-development infiltration is maintained, no impacts to the local water wells, or surface water features is expected.

As per the water balance, runoff has increased as compared with the pre-development conditions and will need to be managed as per a storm water management plan.

7.3 Aquifer Quality and Performance

Water quality generally meets the ODWS with the exception of hardness, which is common in groundwater supplies in Southern Ontario. Iron, manganese, and chloride were elevated in one (1) of the test wells. Total Dissolved Solids and turbidity were elevated in both wells. These parameters are considered aesthetic or operational parameters that may result in a build-up or staining of plumbing fixtures; however, commercially available treatment systems can reduce these parameters if desired.

The proposed residential development can be serviced by drilled wells tapping the deeper confined overburden aquifer or the underlying bedrock aquifer. The use of properly constructed drilled wells that are certified and adequately sealed, should be sufficient to provide ample quantities of potable groundwater while preserving the long-term water quality of the aquifer complex. Representative number of test wells as per Ministry document D-5-5 would need to be installed at the Site and more detailed testing completed to confirm groundwater resource availability and to assess potential interference impacts with existing users.

7.4 Septic Disposal

Based on the MECP dilution model, the projected post-development nitrate concentration meets the drinking water standard of 10 mg/L for nitrate using tertiary treatment systems. The calculated projected post-development nitrate concentration was 9.68 mg/L for 38 proposed lots. The Site is generally characterized by sandy silt / silty sand over a

glacial deposit of sandy silt / silty sand till that will have minimal vertical infiltration through the till with drainage through the shallow surficial soil. The underlying bedrock of the area is limestone.

Groundwater levels on the Site ranged from 0.25 mbgs to 1.1 mbgs. Groundwater contouring indicates that there is a flow divide on the Site with groundwater migrating towards the northwest and southeast. It is recommended that the development be serviced by constructing partially to fully raised tile beds. Due to the underlying subsurface conditions, the tile bed design will have to be evaluated on a lot-by-lot basis. Provided that the waste disposal systems are properly constructed, no impact is anticipated on downgradient baseline water quality functions. The proposed development is expected to have a negligible impact on the existing base flow conditions and on the water quality of the shallow and deeper aquifer systems.

7.5 Geotechnical

Based on the draft concept plan provided by Biglieri, the Site encompasses an area of 15.6 ha (38.5 acres) with 38 residential lots. The residential development will include residential homes, a stormwater management block, a park block, and internal streets. The future lots will be serviced on individual wells and septic systems..

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

7.5.1 Site Preparation, Grading and Backfill

Based on the subsurface conditions encountered in the test pits and boreholes, the Site is generally underlain by a surficial layer of topsoil underlain by native soils of very loose to very dense native sandy silt / silty sand to sand and silt till.

Any topsoil, vegetation, disturbed earth, organic and organic-bearing material should be removed from the footprint of the proposed building areas and from within pavement areas prior to site grading activities. If fill materials are encountered and contains topsoil / organics or rootlets, the material should not be used as structural backfill.

Prior to Site grading activity, the subgrade soils exposed after the removal of topsoil within proposed building areas should be visually inspected, compacted if required, and proof rolled using large axially loaded equipment. Any loose, organic, or unacceptable areas should be sub excavated and removed as directed by the Engineer and replaced with suitable fill materials compacted to a minimum of 98 percent Standard Proctor Maximum Dry Density (SPMDD). Clean earth fill used to raise grades in the proposed buildings should be placed in thin layers (200 mm thick or less) and compacted by a heavy appropriate roller to 98 percent SPMDD. Installation of engineered fill used to support foundations must be continuously monitored on a full-time basis by qualified geotechnical personnel.

The native soils encountered at the Site are generally suitable for reuse as backfill to raise site grades, as trench backfill during installation of buried services, or as pavement subgrade 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. A final review and approval to reuse any soils should be made at the time of construction. If site soils cannot be reused as backfill, then an OPSS Granular “B” Type I material is recommended for general backfilling.

Backfill to basement foundation walls, should be accomplished using well graded Granular “B” Type I material complying with Ontario Provincial Standard Specifications (OPSS) 1010 or employ the use of a drainage geotextile on the foundation wall.

Installation of engineered fill, where required, must be continuously monitored on a full-time basis by qualified geotechnical personnel.

7.5.2 Service Installation

The materials encountered during this investigation at the anticipated storm service invert elevations consist of native till soils. As such, normal compacted bedding material, placed in the Class “B” or Class “C” arrangement, is

recommended for all underground services used under roadways. The recommended bedding material is Granular “A” or 19 mm crusher run (angular) stone, as per Ontario Provincial Standard Specifications (OPSS). The minimum recommended bedding thickness for the underground services is 150 mm. All bedding materials should be compacted to 100% of their Standard Proctor Maximum Dry Density (SPMDD). If trenching encounters overly wet or loose bedding subgrade, bedding material should consist of a graded clear stone product, such as HL-8 stone or High-Performance Bedding (HPB), wrapped in non-woven geotextile fabric approximately equivalent to Terrafix 270R and placed in accordance with manufacture’s specifications.

Prior to placement of bedding, the exposed subgrade should be inspected by an experienced geotechnical engineer and any identified soft or loose areas should be sub excavated and replaced with suitably compacted fill. If the subgrade warrants, a woven geotextile (Terrafix 200W or approximate equivalent) may be required on the subgrade prior to bedding material, to protect soft and/or sensitive areas.

It is recommended that cover backfilling of the underground services be accomplished using Granular “A”, sand, or other suitable material as allowed by the Municipality’s standards, to a minimum of 300 mm above the pipe. Compaction of this material should attain 100 percent SPMDD. It is expected that the excavated, inorganic soils may be suitable for reuse as trench and road subgrade backfill, conditional upon suitable moisture content (within 2 % of optimum) and final review and approval by an experienced geotechnical engineer, at the beginning, and throughout the duration of construction. Compaction of any native soil in service trenches is recommended to be a minimum of 98 percent of its SPMDD.

It is recommended that the storm service bedding subgrade be inspected and approved by an experienced geotechnical engineer prior to placing the bedding fill, to ensure its suitability and consistency with conditions encountered during this investigation. Bedding and backfill materials, and compaction, should also be inspected and tested during placement.

7.5.3 Road Construction

Based on the results of this investigation, we would recommend the following procedures be implemented to prepare the proposed new roadways for its construction:

1. Remove any saturated or frozen earth, and boulders larger than 150 mm in diameter encountered at subgrade elevation for the full width of roadway construction. It is expected that some of the excavated soils may be suitable for reuse as trench backfill, conditional upon suitable moisture content (within 2 % of optimum) and final review and approval by an experienced geotechnical engineer or representative at the time of construction.
2. Proof roll the subgrade for the purpose of detecting possible zones of overly wet or soft subgrade. Any unstable areas thus delineated should be reinforced with woven geotextile approximately equivalent to Terrafix 200W, or replaced with acceptable granular material compacted to a minimum of 98 percent of its SPMDD and frost tapered.
3. 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.
4. To maximize drainage potential, and ensure satisfactory pavement performance, 150 mm diameter perforated pipe subdrains should be installed along any curb lines. The pipe should be encased in filter fabric and surrounded by clear stone aggregate or another suitable free-draining material. It is recommended that the subdrains outlet to the storm sewer system. In the case where ditches are employed the base and subbase layers should extend beyond the asphalted section of the road to provide an outlet for water directly onto the slope of the ditch.
5. Construct transitions between varying depths of granular subbase materials with a frost taper of 1:10 minimum.

It is expected that the proposed new roads will experience relatively low traffic volumes consisting of passenger vehicles and occasional heavy service trucks. In this regard, based on the subgrade soils encountered in our test holes the following minimum flexible pavement structure is recommended for roadway construction.

Table 15 Pavement Structure for Local Roadway

Profile	Material	Minimum Thickness (mm)	In Conformance with Form
Asphalt Surface	H.L.3	40	OPSS 1150
Asphalt Base	H.L.8	50	
Granular Base	Granular “A”	150	OPSS 1010
Granular Subbase	Granular “B”	300	

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

1. The Granular “A” and “B” courses should be compacted to a minimum 100 percent of their respective SPMDD’s.
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 Density (MRD).
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 Granular “B” conforming to the requirements of OPSS.MUNI 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.

7.5.4 Depth of Frost Penetration

It is recommended that all exterior foundations or footings in unheated areas have a minimum soil cover of at least 1.6 m in according to OPSD 3090.101 (2010), or equivalent insulation. Footings for heated structures, such as perimeter foundation for the proposed building structure, must be provided with a minimum of 1.4 m of earth cover or equivalent insulation.

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

7.5.5 Seismic Site Classification

For buildings constructed outside of Section 9 of the latest Ontario Building Code (OBC), there is a requirement that a Seismic Site Class be assigned 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 buildings.

7.5.6 Foundation Design

The common practice for the Serviceability Limit State (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.

Based on the available geotechnical data, it is expected that structural loading for the proposed residential structures may be supported on spread and continuous strip footings founded on the approved compact to dense native soils or on engineered fill constructed on the approved compact to dense native soils. Depths at which the compact to dense native soils were encountered at each borehole is summarized in **Table 16** below.

Table 16 Minimum Depth (mbgs) / Elevation for Footings

Borehole ID	Minimum Founding Depth (mbgs)	Minimum Founding Elevation (m)
BH1A-24	2.2	260.7
BH1B-24	2.2	260.8
BH2A-24	2.3	268.8
BH2B-24	2.3	268.9
BH3A-24	1.5	272.7
BH3B-24	1.5	272.6
BH4A-24	1.8	259.7
BH4B-24	1.8	259.7
BH5-24	1.5	268.9
BH6-24	1.5	274.9

For design purposes, it is recommended that footings constructed on the compact to very dense native soils or on engineered fill placed directly on such soils be proportioned using the following bearing capacities:

Table 17 Preliminary Bearing Pressure for Foundation Design

Parameter	Bearing Pressure		
	Compact to Dense Undisturbed Native Soils	Engineered Fill	
		Granular Fill (2)	Site Earth Borrow Fill (2)
Factored Bearing Capacity at ULS (1)	180 kPa	225 kPa	180 kPa
Bearing Capacity at SLS	120 kPa	150 kPa	120 kPa

Notes:
(1) Resistance factor Φ =0.5 applied to the ULS bearing pressure for design purposes.
(2) At least 0.3 m of Granular or Earth Borrow fill. Quality of material is to be approved prior to use as engineered fill.

Any engineered fill upon which footings are placed must be a minimum thickness corresponding to the notes that accompany the above table. 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.

The following is recommended for the construction of any engineered fill for the footings:

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 1m 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. All engineered fill material is to be approved by GHD at the time of construction.
5. 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.
6. Full time testing and inspection of the engineered fill will be required, to ensure compliance with material and compaction specifications.

Under no circumstances should the foundations be placed above organic materials, loose, frozen subgrade, construction debris, or within ponded water. Prior to forming, all foundation excavations must be inspected and approved by a member of GHD's geotechnical group. This will ensure that the foundation bearing material has been prepared properly at the foundation subgrade level and that the soils exposed are similar to those encountered during this investigation.

Should basement or otherwise subgrade areas be incorporated into any of the buildings' designs, it is recommended that for drainage purposes, perimeter drains be installed about the structure in accordance with the Ontario Building Code (OBC). The subdrains would serve to drain seepage water that infiltrates the backfill, intersect any groundwater that may be present, and help relieve hydrostatic pressures due to any seasonally high groundwater levels. The drains should consist of a perforated pipe, at least 100 mm in diameter, surrounded by clear, crushed stone and suitable filter protection. The drain should discharge to a positive sump or other permanent frost-free outlet. It is also strongly recommended that the building's foundation walls be sealed and damp proofed.

7.5.7 Slab-On-Grade Construction

Floors may generally be constructed as normal slabs-on-grade, on granular or 19 mm clear stone over native, inorganic subsoils. The floor slab 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 or 150 mm of 19 mm angular clear stone material underneath basement areas, 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 7.5.6** of this report.

If the groundwater table is intersected by any basement excavations, the floor slabs should incorporate under slab drains, and a vapour barrier should be installed beneath the slab to prevent migration of moisture vapour. The drain should discharge to a positive sump or other permanent frost-free outlet.

All fill placed as engineered fill must be inspected, approved and compaction verified by personnel from GHD.

7.5.8 Basement and Retaining Walls

It is recommended that free draining backfill consisting of Granular "B" Type I material complying with Ontario Provincial Standard Specifications (OPSS) 1010, to basement and retaining walls be provided. Walls may be designed for lateral earth pressures using the following equation:

p = k (w h + q), where:

- p = the lateral earth pressure in kPa acting on the subsurface wall at depth h;
- ka= the coefficient of active earth pressure;

  (= 0.3 for walls restrained from the bottom only);

  (= 0.5 for walls restrained at the top and bottom*);
- kp= the coefficient of passive earth pressure, (= 3.0);
- w = the granular or native soil bulk density in kN/m^3;

  (= 21.0 kN/m^3 for well compacted, OPSS-approved Granular "B" or native soils);
- h = the depth (in metres) below the exterior grade at which the earth pressure is being calculated; and
- q = the equivalent value of any surcharge (in kN/m3) acting on the ground surface adjacent to the walls.

(*) This value is recommended for rigid walls retaining compacted backfill.

The recommended value for the coefficient for sliding friction between the soil and the concrete is 0.4. Also, any additional surcharge loading that will influence the wall must be taken into account in its design.

7.5.9 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 18 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 2 soils above the 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 Canadian Engineering Foundation Manual (4th Edition) and the OHSA Regulations for Construction Projects.

It is anticipated that excavation for foundation can be made with conventional equipment. The presence of cobbles and boulders should be expected with 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.

7.6 Storm Water Management Pond

It is GHD's understanding that a Storm Water Management Pond (SWMP) is proposed in the northwest corner of the site and is to be located within the area of test holes BH4A-24 / BH4B-24 and TP2-24 as shown on the Test Hole Plan. The proposed base elevation of the SWMP is not known at the time of writing this report, however it is expected that the bottom of the SWMP will consist of compact to dense sand and silt glacial till native soils. The hydraulic

conductivity of the sand and silt till is expected to be on the order of about 10^{-5} to 10^{-6} cm/sec. It is noted, however, that slight variations in the soil stratigraphy may cause variations in the permeability of the soil in both vertical and horizontal orientations.

Based on the soils observed, and the assumed base elevations, it appears that construction of the SWMP in this area is feasible. In general, excavation of the soils for the SWMP is expected to be straightforward, provided that appropriate measures are taken during construction to minimize any overland or near-surficial flow of water into the area. Perched groundwater and surficial water inflow into the open SWMP excavation may be encountered depending on the time of the year in which construction is conducted, however this is expected to be controlled by pumping from within the excavation, along with further measures if required including up-gradient cutoff trenching with appropriate drainage outletting.

It is recommended that the SWMP subgrade surfaces be proof rolled, and a representative of GHD approve the subgrade prior to construction of the berms. Construction of the berms may utilize excavated soils, such as the sand and silt till native soils. Such operations should place soils in lifts no thicker than 150 mm prior to compaction and compacted to at least 95 percent SPMDD. Free draining native sand soils should not be used in the berm to avoid a piping failure of the berm.

The native, undisturbed compact to dense sand and silt native soils are expected to have a sufficiently low permeability where they could substitute for a liner. An inspection of the excavated and exposed SWMP surface should be performed at the time of construction, to assess whether any discrete or localized areas of increased hydraulic conductivity (such as sand and/or gravelly seams typically encountered within till soils) are present within the exposed soils, in which case such areas may be lined with a more suitable (i.e. less hydraulically conductive) material or an impermeable geosynthetic membrane.

For the purpose of the proposed SWMP, the soils observed should be stable from slip circle failure if sloped at 3 horizontal to 1 vertical (3H:1V) or flatter in the long term both above and below the water table. Between the stable water level and the expected high-water level, it is recommended that the slopes be lessened to 4H:1V (or flatter) to guard against erosion by wavelet action. The native material will require vegetative root mass (or otherwise suitable erosion protection) to minimize erosional forces on exposed slopes.

Slopes and berms of the SWMP should be constructed to reduce or eliminate the effects of surficial erosion. Features to do so may include slope vegetation, installation of erosion or gabion mats, rip rap, and/or other acceptable stabilizing features.

7.6.1 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.

8. 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 that the results of this hydrogeological and geotechnical investigation support the proposed residential development to be constructed upon a 15.6 ha (38.5 acre) area with single-detached homes, a stormwater management block and internal streets. A preliminary draft plan was provided showing a total of 38 residential lots for the development and GHD understands that the future individual lots will be serviced on individual wells and septic systems.

We trust his 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

Lisa Gardiner, B.Sc., A.Sc.T., P.M.P.
Project Manager

Andy Fawcett, P.Eng
Senior Engineer

Steve Gagné, H.B.Sc.
Associate, Project Director

9. Statement of Limitations

This report is intended solely for Base-Land Developments Inc. 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.

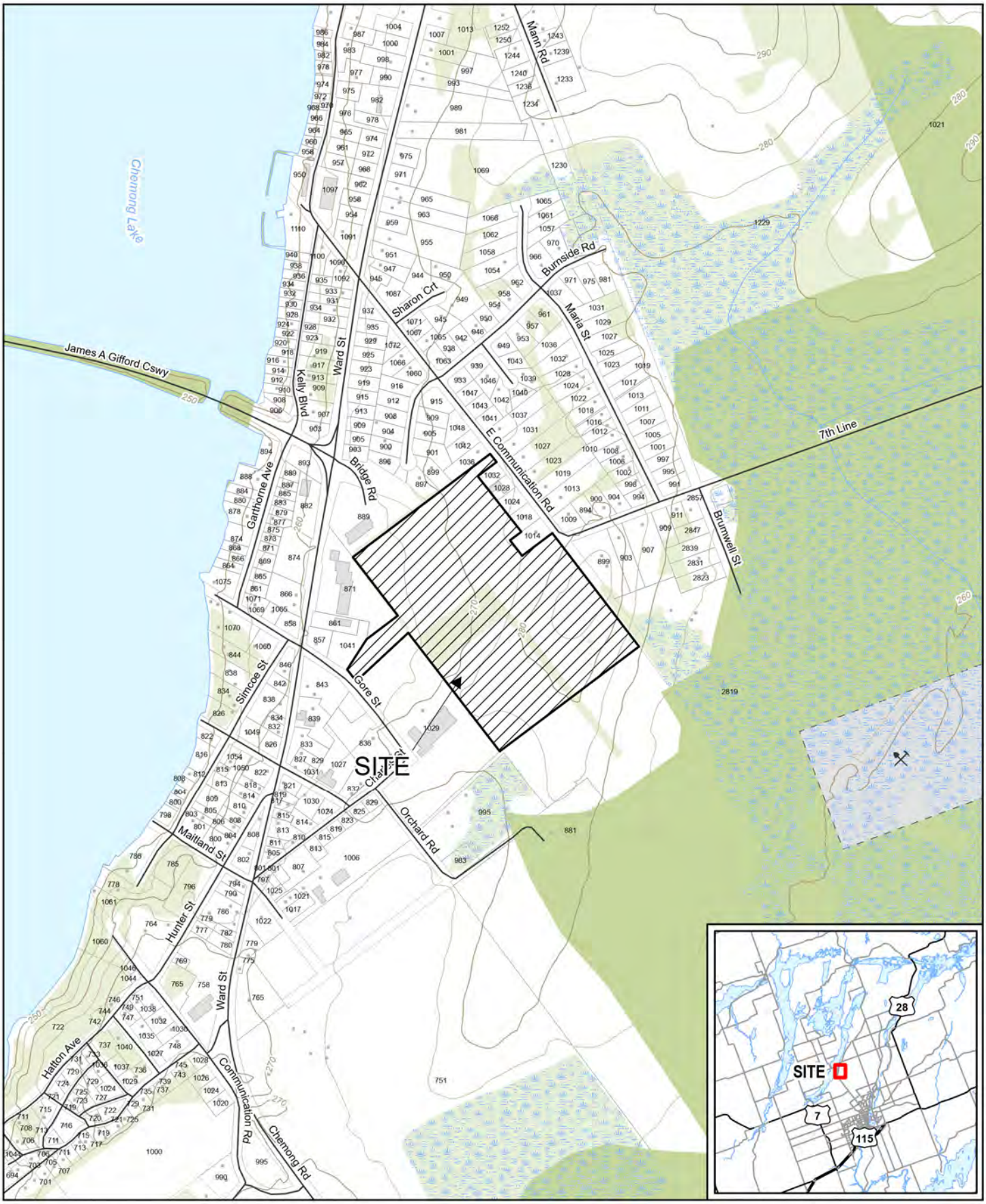
The recommendations made in this report are in accordance with our present understanding of the project, the current site use, ground surface elevation and conditions, and are based on the work scope approved by the Client and described in the report. The services were performed in a manner consistent 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



Paper Size ANSI A

0 100 200 300

Metres

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

N

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Base-Land Developments
Hydrogeological and Geotechnical Investigation for Proposed Residential Development
Bridgenorth, Ontario

Project No. 12637390
Revision No. -
Date Jan 8, 2025

Site Location Map

Figure 1

Q:\GIS\PROJECTS\12637000s\12637390\GIS\Maps\Deliverables\12637390_SiteLocationMap.aprx
Print date: 08 Jan 2025 - 12:38

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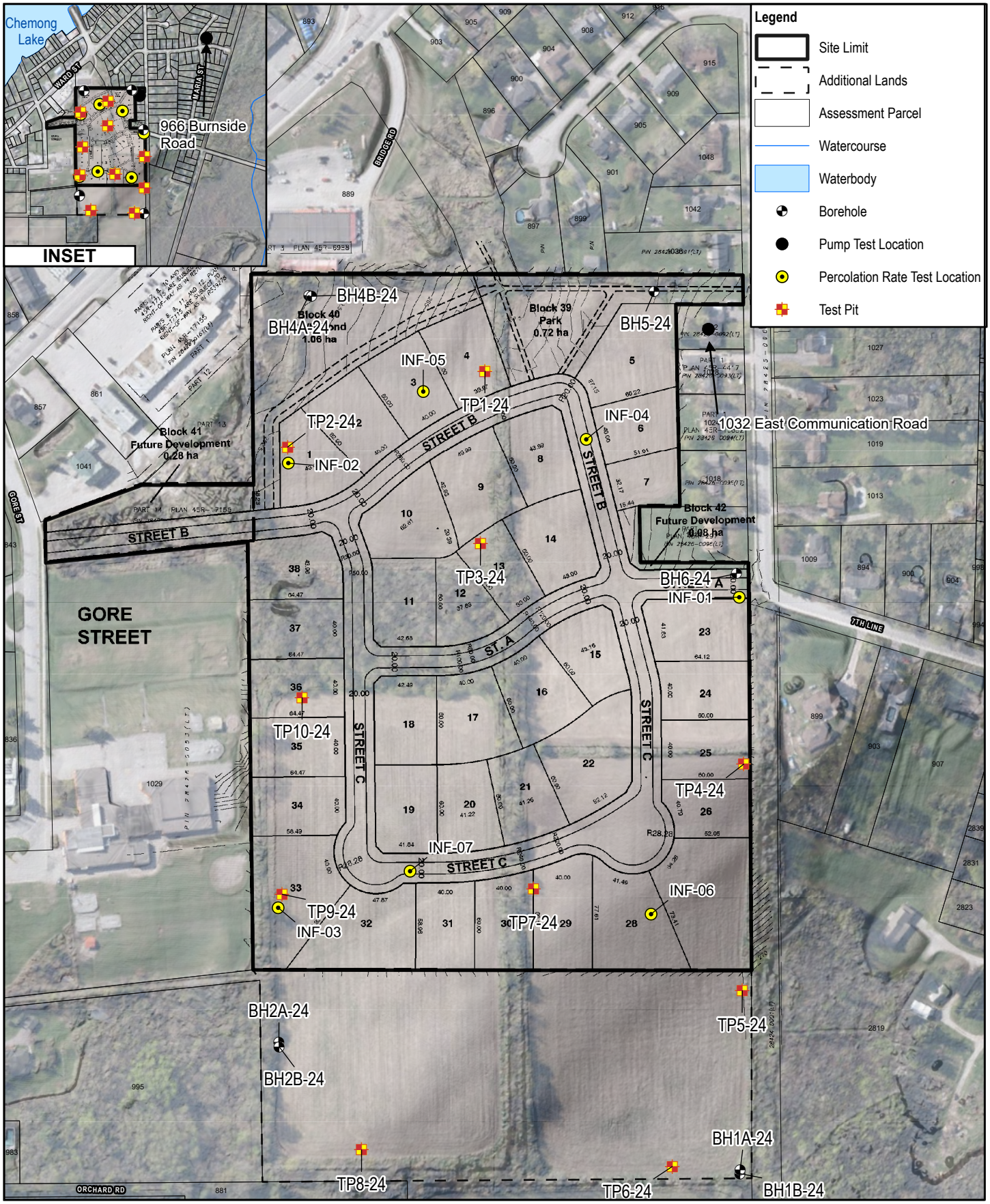

1 cm = 40 meters

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Metres

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

Base-Land Developments
Hydrogeological and Geotechnical Investigation for Proposed Residential Development
Bridgenorth, Ontario

Project No. 12637390
Revision No.
Date Nov 7, 2025

Borehole and Test Pit Plan

Figure 2

O:\GIS\PROJECTS\12637000s\12637390\GIS\Maps\Deliverables\12637390_BoreholeAndTestPitPlan_ArcPro\12637390_BoreholeAndTestPitPlan_ArcPro.aprx
Print date: 07 Nov 2025 - 15:45

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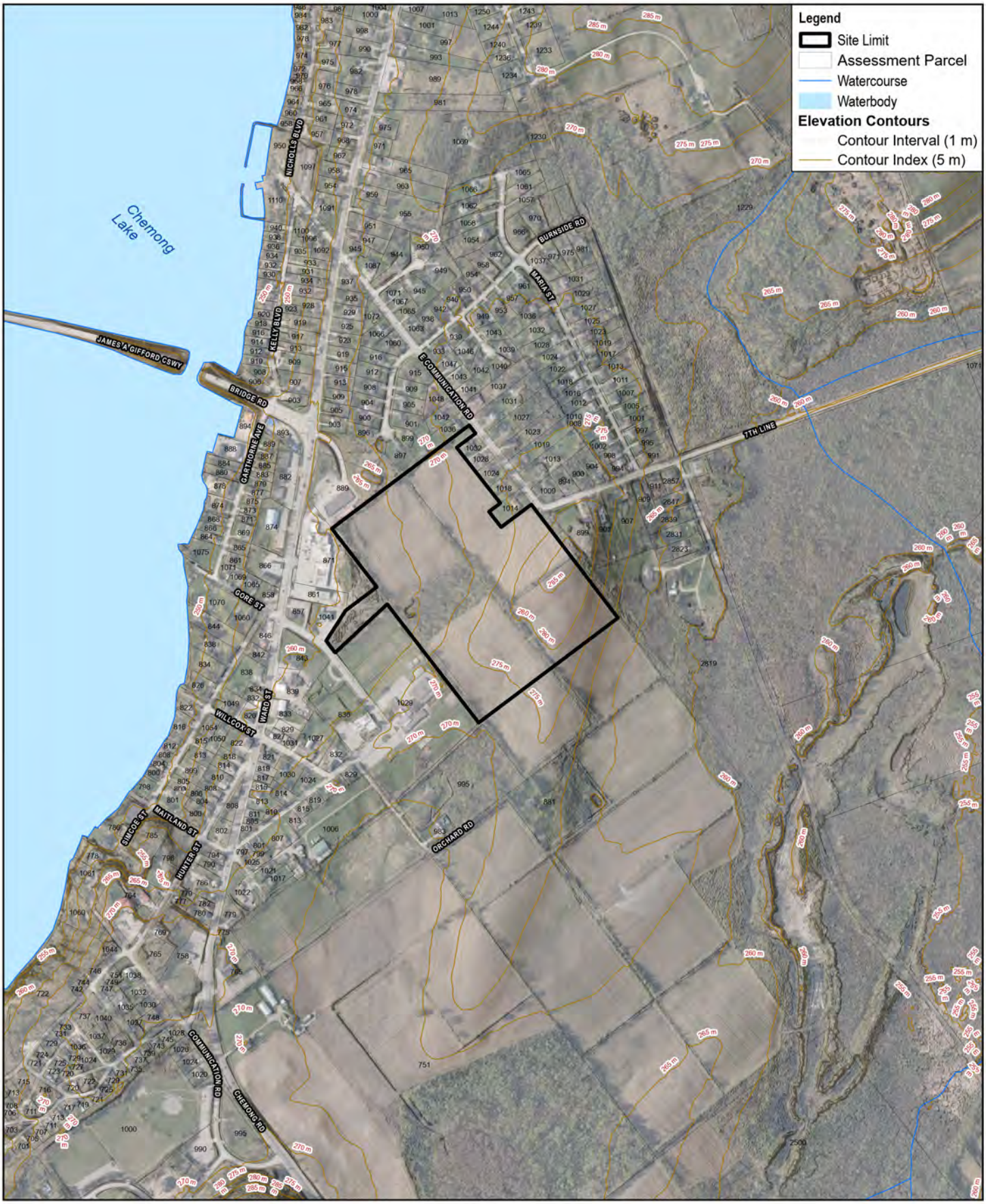

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Metres

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

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Base-Land Developments
Hydrogeological and Geotechnical Investigation for Proposed Residential Development
Bridgenorth, Ontario

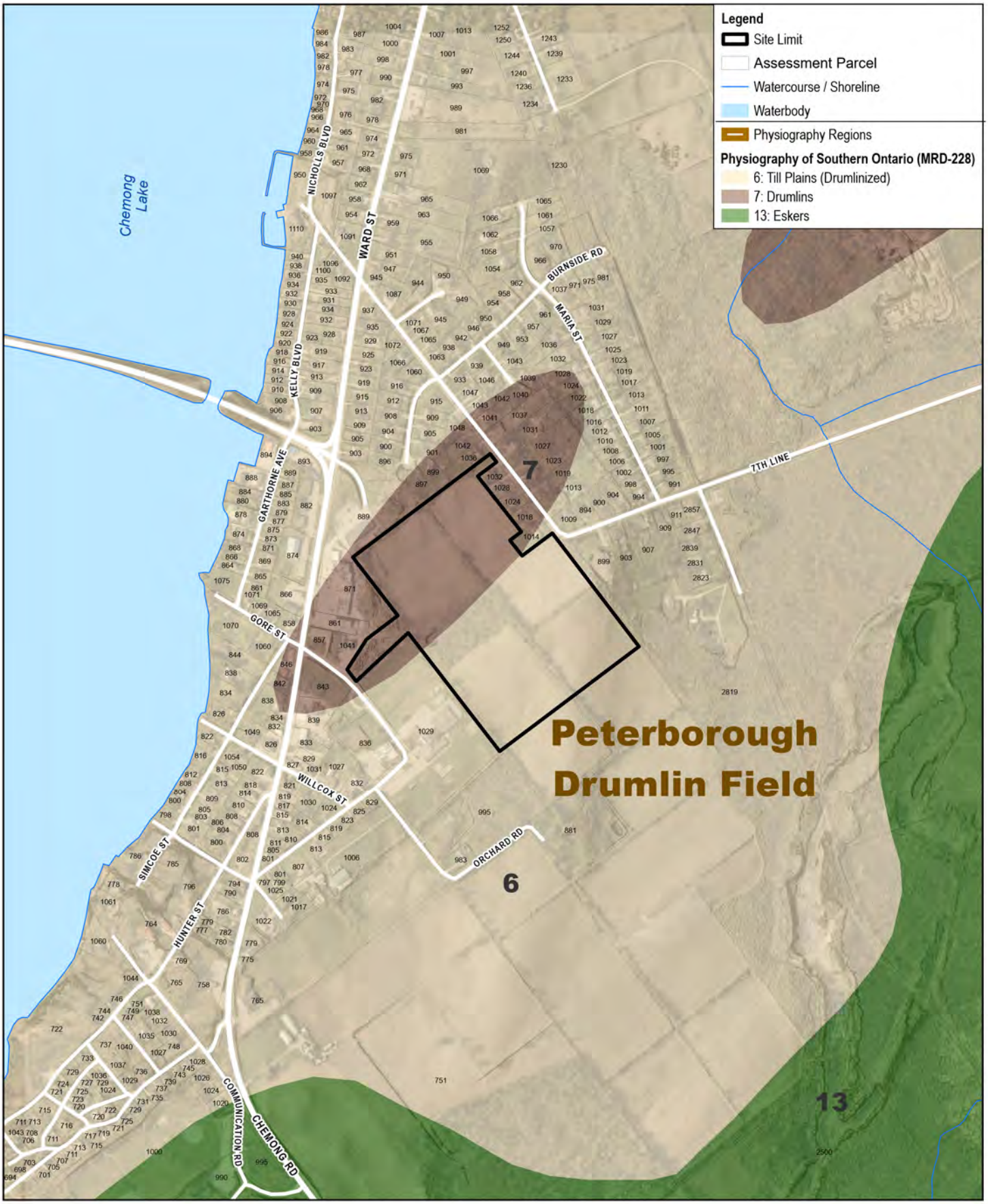
Regional Topography

Project No. 12637390
Revision No. -
Date Jan 8, 2025

Figure 3

Q:\GIS\PROJECTS\12637000s\12637390\GIS\Maps\Deliverables\12637390_Hydrogeo aprx
Print date: 08 Jan 2025 - 12:42

Data source: © City of Kawartha Lakes, 2018



1:10,000

0 100 200 300

Metres

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

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Base-Land Developments
Hydrogeological and Geotechnical
Investigation for Proposed
Residential Development
Bridgenorth, Ontario

Project No. 12637390
Revision No. -
Date Jan 8, 2025

Physiography

Figure 4

Q:\GIS\PROJECTS\12637000s\12637390\GIS\Maps\Deliverables\12637390_Hydrogeo.aprx
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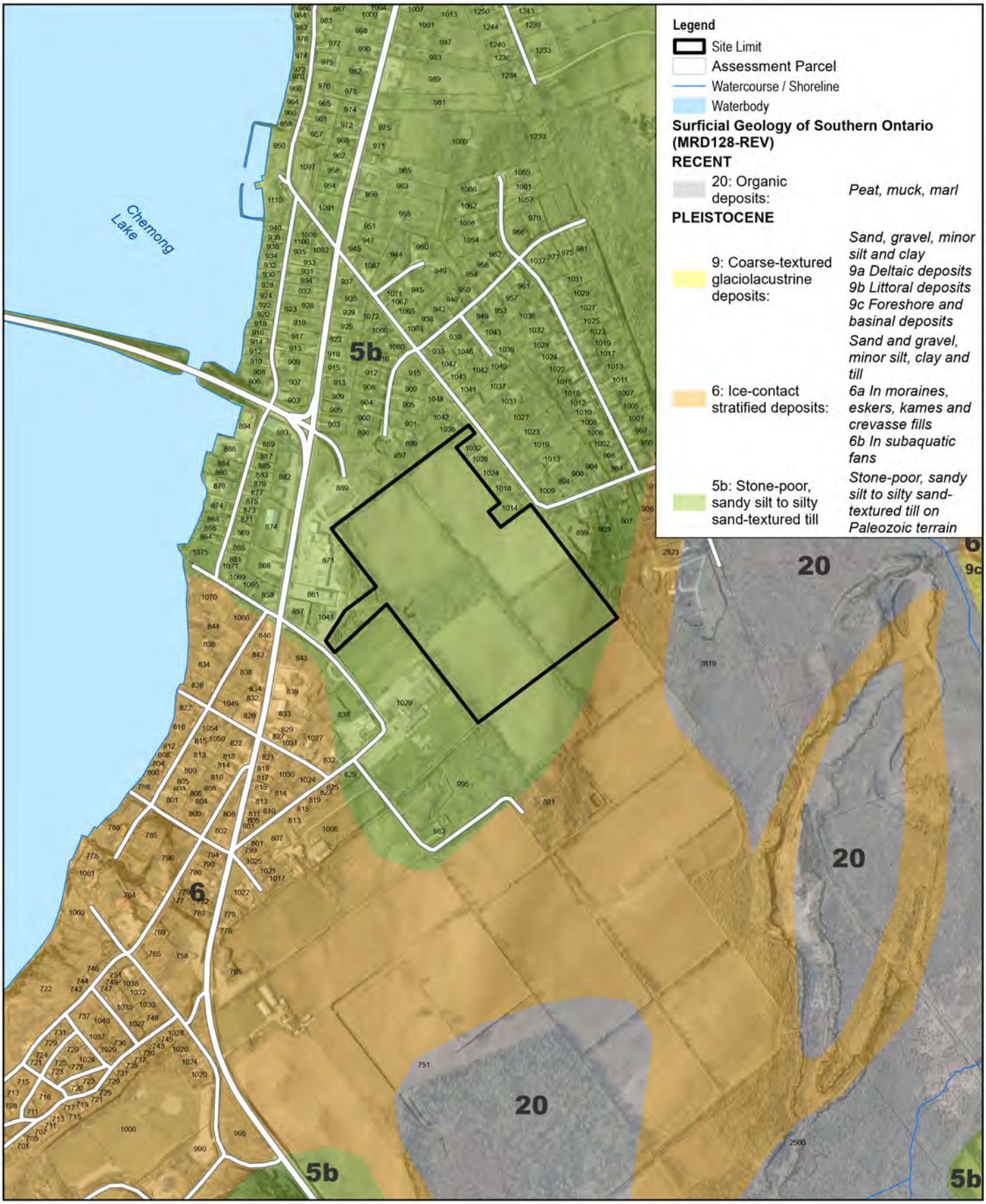
Attribution: Chapman, L.J. and Putnam, D.F. 2007. Physiography of Southern Ontario; Ontario Geological Survey, Miscellaneous Release--Data 228 ISBN 978-1-4249-5158-1.; Produced by GHD Limited under Licence with the Ontario Ministry of Natural Resources and Forestry© Queen's Printer for Ontario, 2024; Imagery @ County of Elgin, 2020.



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Metres

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Grid: NAD 1983 UTM Zone 17N

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Hydrogeological and Geotechnical Investigation for Proposed Residential Development
Bridgenorth, Ontario

Project No. 12637390
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Surficial Geology

Figure 5

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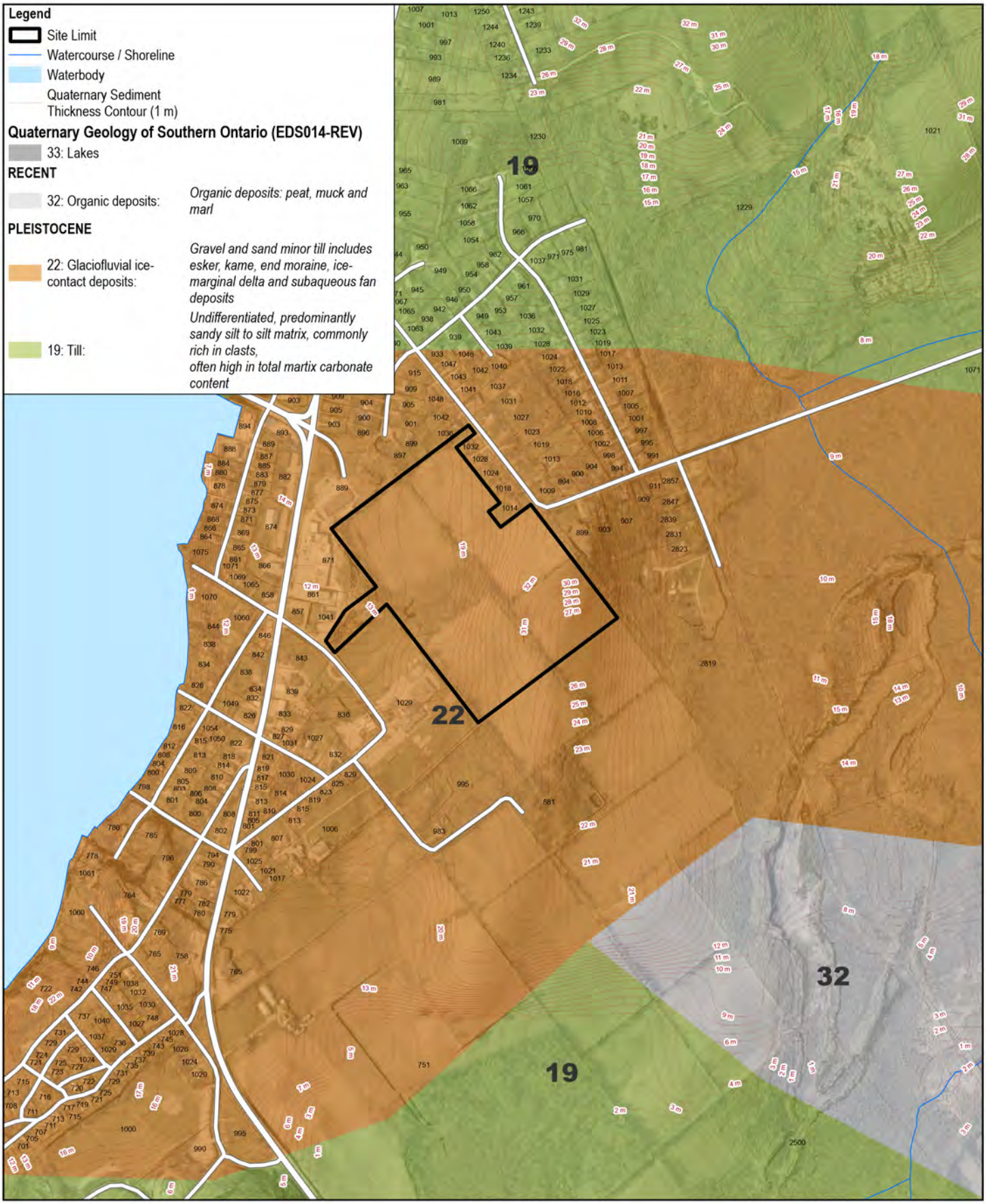
Attribution: MRD128-REV. Ontario Geological Survey 2010. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 128 – Revised.; Produced by GHD Limited under Licence with the Ontario Ministry of Natural Resources and Forestry© Queen's Printer for Ontario, 2024; Imagery @ County of Elgin, 2020.



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0 100 200 300

Metres

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Grid: NAD 1983 UTM Zone 17N

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Bridgenorth, Ontario

Project No. 12637390
Revision No.
Date Jan 8, 2025

Quaternary Geology

Figure 6

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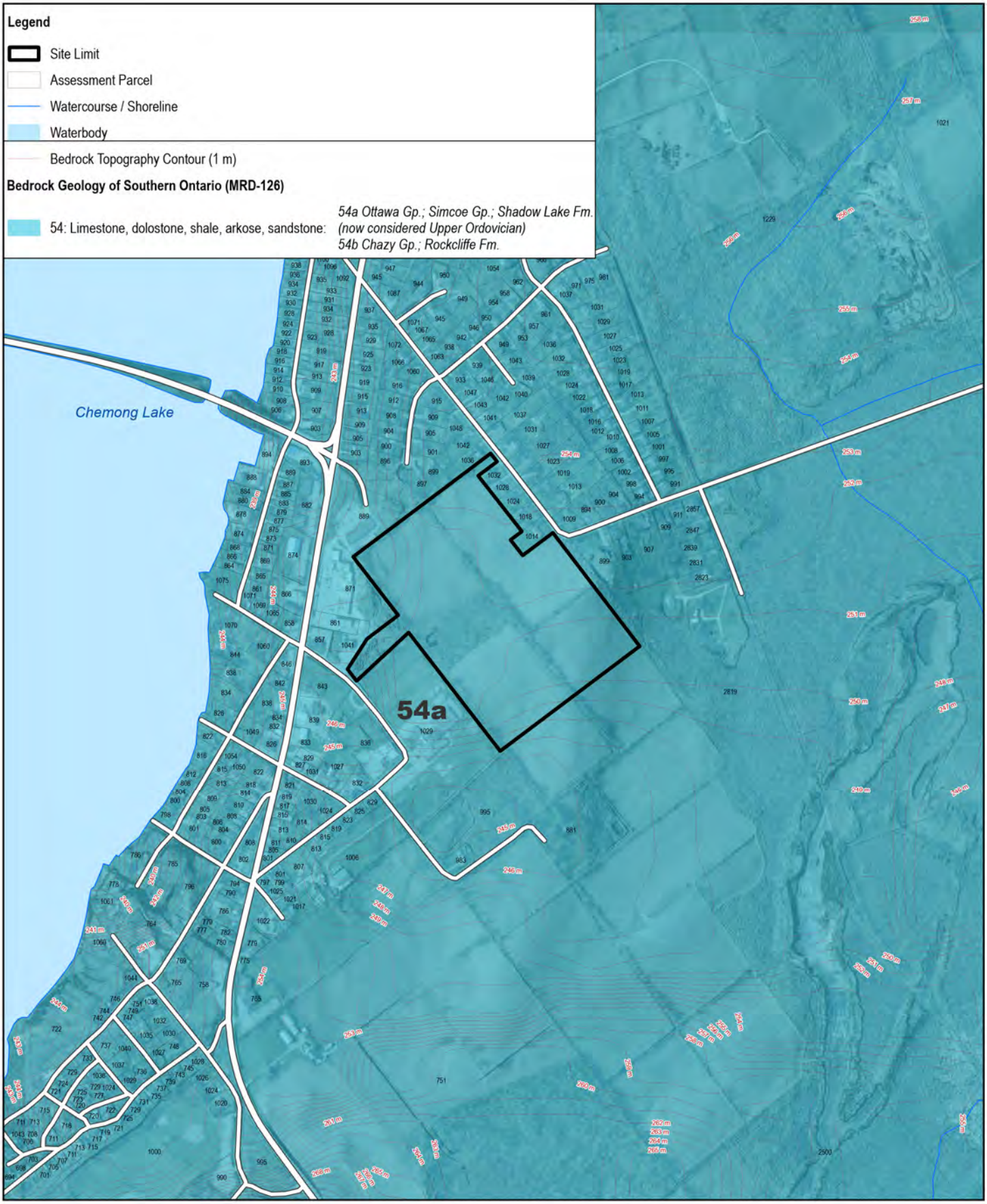
Print date: 08 Jan 2025 - 12:37

Attribution: EDS014-REV Ontario Geological Survey, 1997. Quaternary geology, seamless coverage of the province of Ontario: Ontario Geological Survey, Data Set 14.; Quaternary Sediment Thickness Contour, ORMGP, 2022.; Produced by GHD Limited under Licence with the Ontario Ministry of Natural Resources and Forestry© Queen's Printer for Ontario, 2024; Imagery @ County of Elgin, 2020.



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0 100 200 300

Metres

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

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Base-Land Developments
Hydrogeological and Geotechnical Investigation for Proposed Residential Development
Bridgenorth, Ontario

Bedrock Geology

Project No. 12637390
Revision No. -
Date Jan 8, 2025

Figure 7

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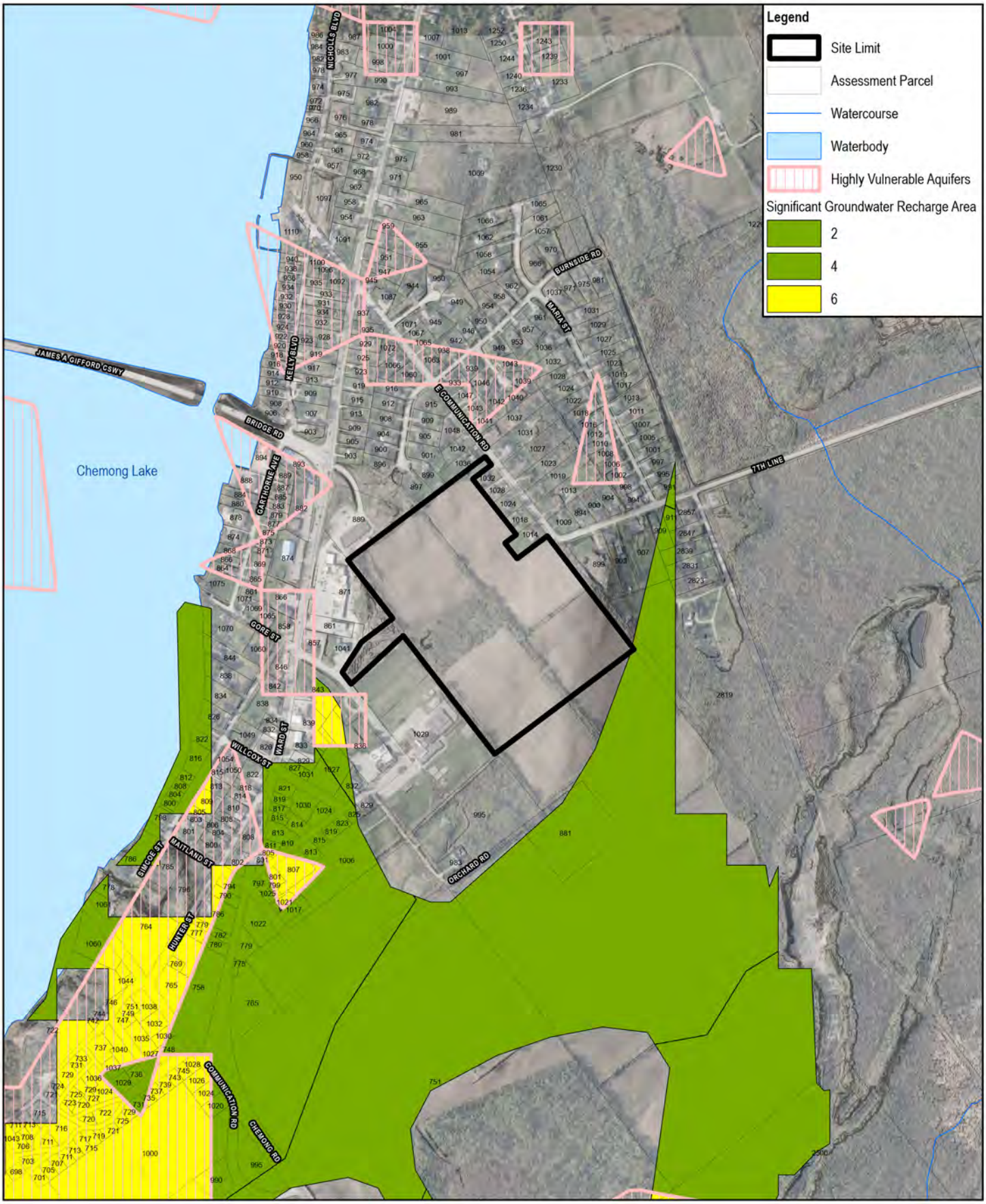
Attribution: MRD126-REV. Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release---Data 126-Revision 1.; Bedrock Topography Contours, ORMGP, 2022, Produced by GHD Limited under Licence with the Ontario Ministry of Natural Resources and Forestry© Queen's Printer for Ontario, 2024; Imagery @ County of Elgin, 2020.



1 cm = 40 meters

0 100 200 300

Metres

Map Projection: Transverse Mercator
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Grid: NAD 1983 UTM Zone 17N

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Base-Land Developments
Hydrogeological and Geotechnical Investigation for Proposed Residential Development
Bridgenorth, Ontario

Project No. 12637390
Revision No.
Date Jan 9, 2025

Source Protection

Figure 8

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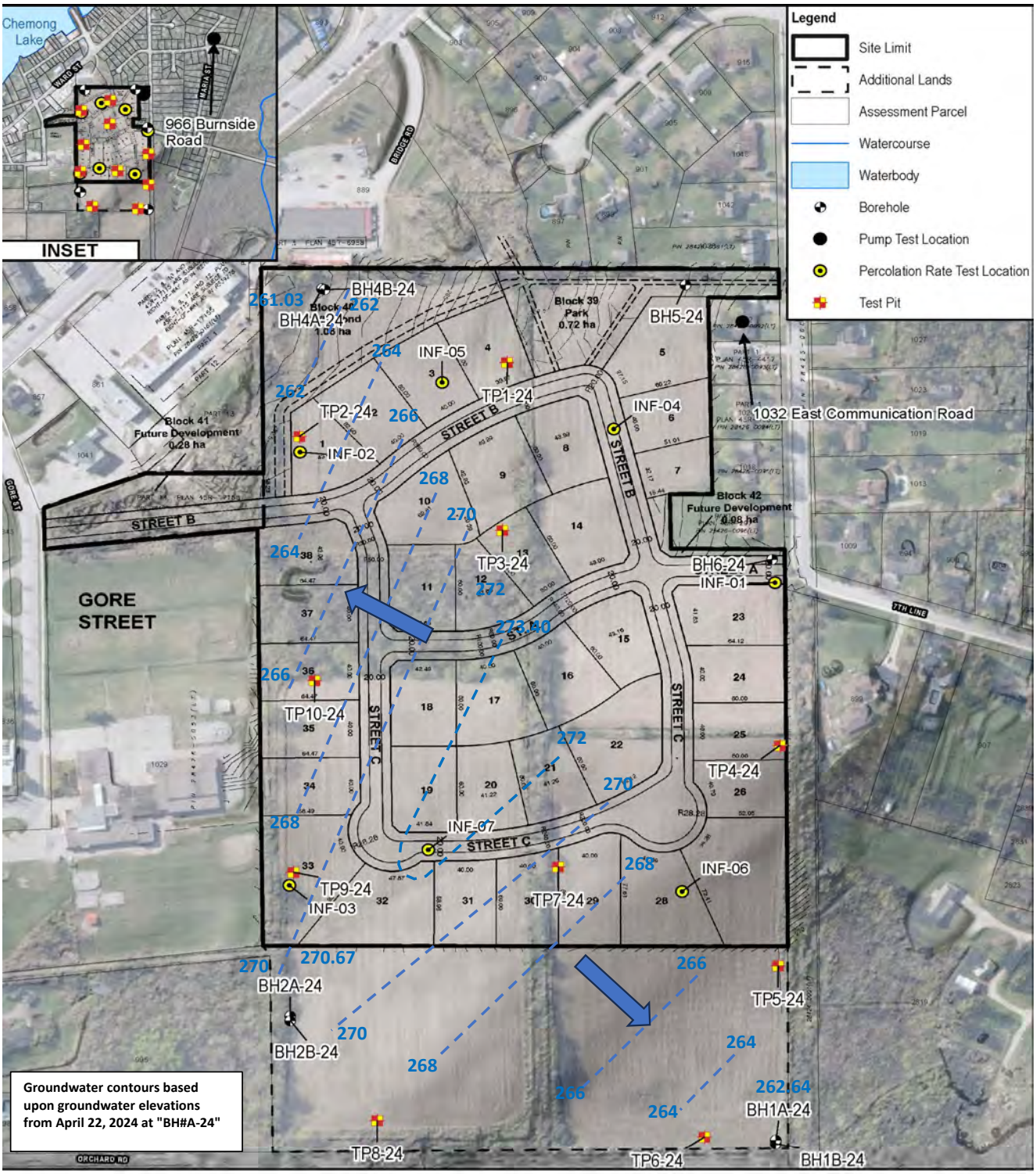

1 cm = 40 meters

0 40 80 120

Metres

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

Base-Land Developments
Hydrogeological and Geotechnical Investigation for Proposed Residential Development
Bridgenorth, Ontario

Project No. 12637390
Revision No.
Date Nov 7, 2025

Borehole and Test Pit Plan

Figure 9

Print date: 07 Nov 2025 - 15:45

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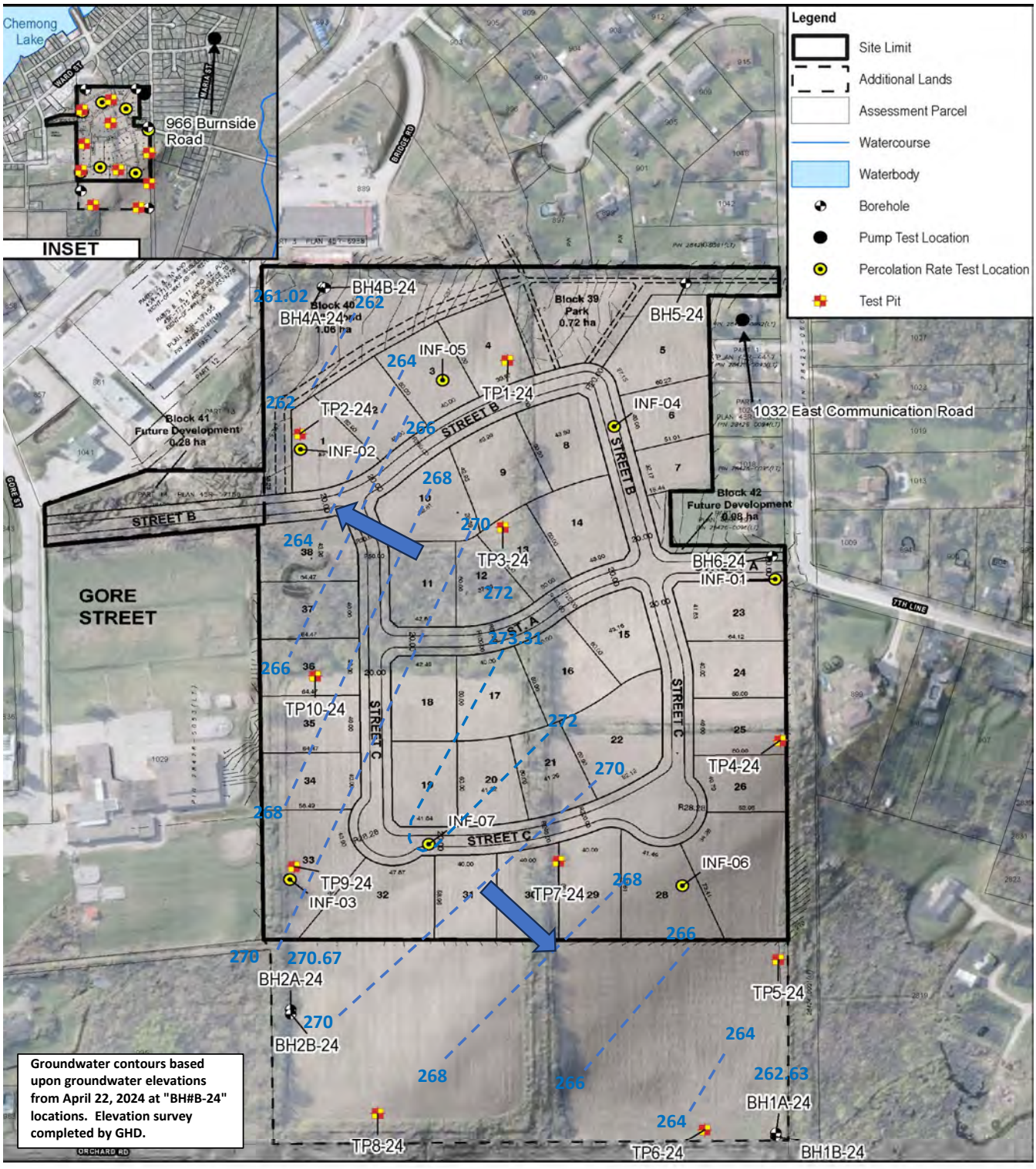

1 cm = 40 meters

0 40 80 120

Metres

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

GHD

Base-Land Developments
Hydrogeological and Geotechnical Investigation for Proposed Residential Development
Bridgenorth, Ontario

Project No. 1263739
Revision No.
Date Nov 7, 2025

Borehole and Test Pit Plan

Figure 10

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Print date: 07 Nov 2025 - 15:45

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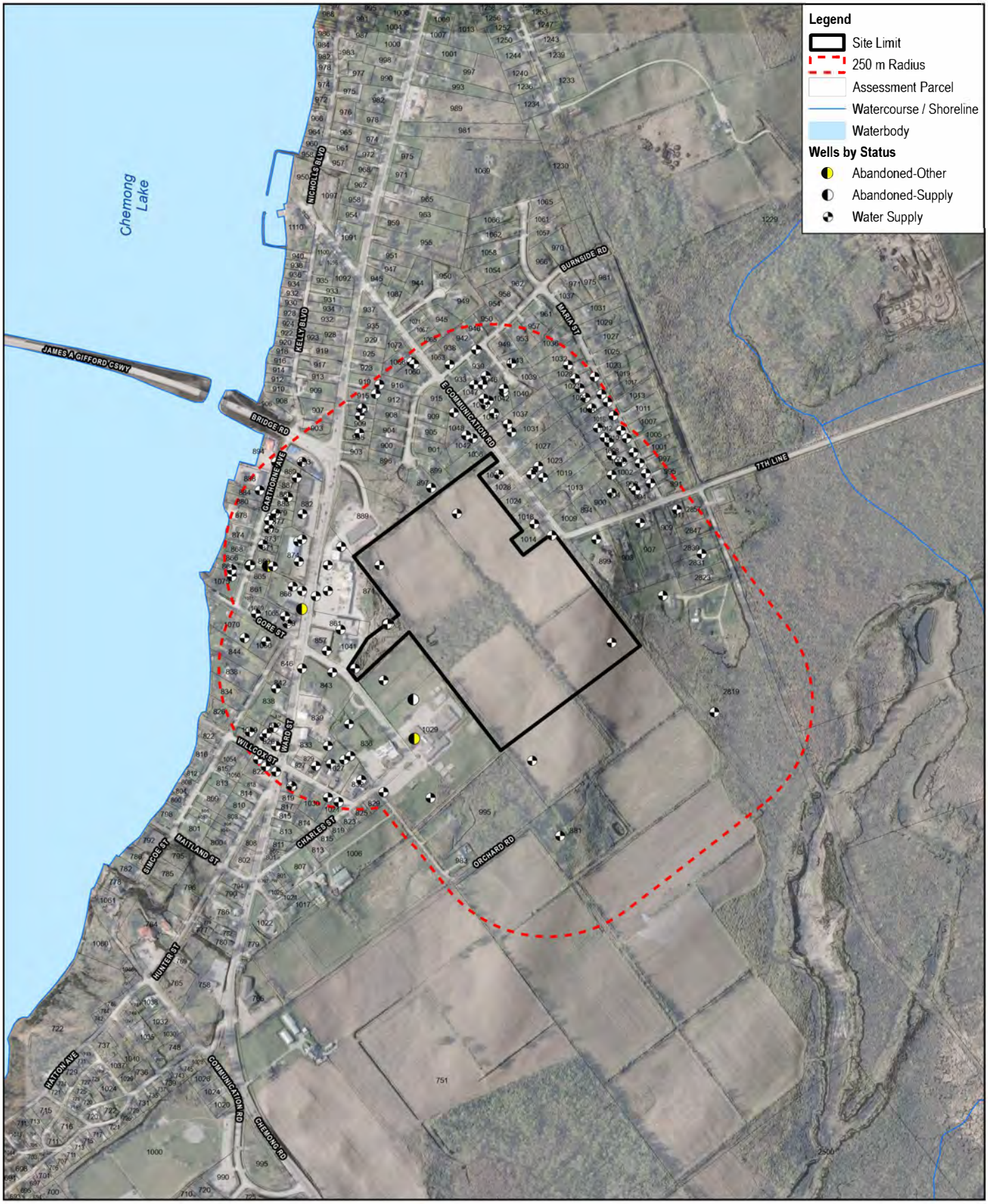
Appendices

Appendix A

MECP Well Records



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0 100 200 300

Metres

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

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Base-Land Developments
Hydrogeological and Geotechnical Investigation for Proposed Residential Development
Bridgenorth, Ontario

MECP Well Location Plan

Project No. 12637390
Revision No. -
Date Jan 9, 2025

Appendix A

Q:\GIS\PROJECTS\12637000s\12637390\GIS\Maps\Deliverables\12637390_Hydrogeo.aprx
Print date: 09 Jan 2025 - 14:14

Attribution: Water Well Information System (WWIS), Ministry of the Environment, Conservation and Parks, 2021., Produced by GHD Limited under Licence with the Ontario Ministry of Natural Resources and Forestry© Queen's Printer for Ontario, 2024; Imagery @ County of Elgin, 2020.

MECP WELL RECORD LISTINGS

Ministry of the Environment, Conservation & Parks (MECP)

© Water Well Information System (WWIS). Ministry of the Environment, Conservation, and Parks. 2021.
Powered by Location Intelligence

DISCLAIMER: All effort has been taken to ensure the accuracy of the data is the same as the source. There are instances where the original PDF document is different and in those cases, the PDF should be used instead.

17

Easting:	704765.10
Northing:	4915428.00
Elev (masl):	272.78

Latitude: 44.377971
Longitude: -78.378176

Well ID: 5103351

LOCATION

Lot:	011	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	4713
Township:	SMITH TOWNSHIP	**Well Completion Date:**	11/04/1958
Street:		**Received Date:**	11/17/1958
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	29.2608
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10880190
Pump Set (m):	n/a	**Pump Test ID**	995103351
SWL (ft)	26	**Flowing:**	N
Final Level:	85 ft	**Pump Duration (hr):**	1
Pump Rate:	6 GPM	**Pump Duration (m):**	0
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	930549098	n/a	inch	<null>	n/a	20 ft
2	930549099	6	inch	STEEL	n/a	96 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	24 ft
2	CLAY	n/a	n/a	BLUE	24	94 ft
3	GRAVEL	n/a	n/a	n/a	94	96 ft

End of Record

17

Easting:	705412.10
Northing:	4915113.00
Elev (masl):	245.43

Latitude: 44.384828
Longitude: -78.385502

Well ID: 5103353

LOCATION

Lot:	011	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	2113
Township:	SMITH TOWNSHIP	**Well Completion Date:**	09/11/1962
Street:		**Received Date:**	01/08/1963
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	19.5072
Prim. Use:	n/a	**Depth to Bedrock (m):**	43
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10880192
Pump Set (m):	n/a	**Pump Test ID**	995103353
SWL (ft)	10	**Flowing:**	N
Final Level:	61 ft	**Pump Duration (hr):**	3
Pump Rate:	1 GPM	**Pump Duration (m):**	0
Recom. Rate:	1 GPM		

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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	930549101	6	inch	STEEL	n/a	43 ft
2	930549102	6	inch	OPEN HOLE	n/a	64 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	n/a	n/a	n/a	0	3 ft
2	CLAY	n/a	n/a	GREY	3	25 ft
3	CLAY	MEDIUM SAND	STONES	GREY	25	43 ft
4	LIMESTONE	n/a	n/a	GREY	43	64 ft

End of Record

17

Easting:	705622.10
Northing:	4915374.00
Elev (masl):	255.01

Latitude: 44.3836
Longitude: -78.384967

Well ID: 5103354

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 01/04/1951
Received Date: 03/19/1951

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 11.5824
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) n/a
Final Level: 20 ft
Pump Rate: 20 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880193
Pump Test ID 995103354
Flowing: Y
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549103	5	inch	STEEL	n/a	38 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	MEDIUM SAND	STONES	GREY	2	38 ft

End of Record

17

Easting:	705600.10
Northing:	4915334.00
Elev (masl):	263.56

Latitude: 44.378771
Longitude: -78.385207

Well ID: 5103355

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 03/10/1950
Received Date: 06/05/1951

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 13.1064
Depth to Bedrock (m): 40
Depth to Water: ft
Water Kind: FRESH

EST

Test Method: CLEAR
Pump Set (m):

Pipe ID: 10880194
Pump Test ID 995103355

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PUMP TI

SWL (ft)	12a	**Flowing:**	N
Final Level:	30 ft	**Pump Duration (hr):**	1
Pump Rate:	3 GPM	**Pump Duration (m):**	30
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	930549104	5	inch	STEEL	n/a	40 ft
2	930549105	5	inch	OPEN HOLE	n/a	43 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	MEDIUM SAND	n/a	n/a	0	2 ft
2	SILT	n/a	n/a	n/a	2	12 ft
3	CLAY	MEDIUM SAND	STONES	n/a	12	40 ft
4	LIMESTONE	n/a	n/a	n/a	40	43 ft

End of Record

17

Easting:	705589.10
Northing:	4915324.00
Elev (masl):	269.97

Latitude: 44.378427
Longitude: -78.383151

Well ID: 5103356

LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	4713
Township:	SMITH TOWNSHIP	**Well Completion Date:**	07/15/1950
Street:		**Received Date:**	01/24/1951
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	17.9832
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10880195
Pump Set (m):	n/a	**Pump Test ID**	995103356
SWL (ft)	22	**Flowing:**	N
Final Level:	42 ft	**Pump Duration (hr):**	2
Pump Rate:	5 GPM	**Pump Duration (m):**	0
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	930549106	5	inch	STEEL	n/a	59 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	58 ft
3	GRAVEL	n/a	n/a	n/a	58	59 ft

End of Record

17

Easting:	705603.10
Northing:	4915351.00
Elev (masl):	265.55

Latitude: 44.379422
Longitude: -78.383358

Well ID: 5103357

LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	4713
Township:	SMITH TOWNSHIP	**Well Completion Date:**	03/23/1950
Street:		**Received Date:**	01/24/1951
City:	n/a		

ELL

Well Status:	Water Supply	**Well Depth (m):**	23.1648
Prim. Use:		**Depth to Bedrock (m):**	52

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WE

Sec. Use: n/a
Boring Method: Cable Tool

Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: 65 ft
Pump Rate: 5 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880196
Pump Test ID 995103357
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549107	5	inch	STEEL	n/a	52 ft
2	930549108	5	inch	OPEN HOLE	n/a	76 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	HARDPAN	n/a	n/a	n/a	2	52 ft
3	LIMESTONE	n/a	n/a	n/a	52	76 ft

End of Record

17

Easting:	705365.10
Northing:	4915094.00
Elev (masl):	250.77

Latitude: 44.382677
Longitude: -78.385949

Well ID: **5103360**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 02/21/1951
Received Date: 03/19/1951

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.4592
Depth to Bedrock (m): 50
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 9
Final Level: 30 ft
Pump Rate: 3 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880199
Pump Test ID 995103360
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549112	6	inch	STEEL	n/a	50 ft
2	930549113	6	inch	OPEN HOLE	n/a	54 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	MEDIUM SAND	STONES	n/a	2	50 ft
3	LIMESTONE	n/a	n/a	n/a	50	54 ft

End of Record

17

Easting:	705632.10
Northing:	4915383.00
Elev (masl):	254.78

Latitude: 44.383493
Longitude: -78.385009

Well ID: **5103361**

OCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:

Tag:
Audit No:
Contractor License: 2327
Well Completion Date: 08/29/1952
Received Date:

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City: n/a 01/21/1953

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 13.4112
Depth to Bedrock (m): 42
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 7
Final Level: 30 ft
Pump Rate: 2 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880200
Pump Test ID 995103361
Flowing: N
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	930549114	n/a	inch	<null>	n/a	2 ft
2	930549115	4	inch	STEEL	n/a	44 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	8 ft
2	CLAY	n/a	n/a	GREY	8	42 ft
3	SHALE	n/a	n/a	n/a	42	44 ft

End of Record

17

Easting:	705486.10
Northing:	4915265.00
Elev (masl):	258.95

Latitude: 44.382901
Longitude: -78.384307

Well ID: **5103362**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2327
Well Completion Date: 09/08/1952
Received Date: 01/21/1953

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 12.8016
Depth to Bedrock (m): 39
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 36 ft
Pump Rate: 2 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880201
Pump Test ID 995103362
Flowing: N
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	930549116	5	inch	STEEL	n/a	42 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	GRAVEL	FILL	n/a	n/a	0	3 ft
2	CLAY	n/a	n/a	BROWN	3	18 ft
3	CLAY	n/a	n/a	GREY	18	39 ft
4	SHALE	n/a	n/a	n/a	39	42 ft

End of Record

17

Easting:	705217.10
Northing:	4915048.00
Elev (masl):	248.46

Latitude: 44.378954
Longitude: -78.387283

Well ID: **5103363**

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LOCATION

Lot:
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2113
Well Completion Date: 10/20/1952
Received Date: 01/29/1953

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 7.0104
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 1
Final Level: 10 ft
Pump Rate: 8 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880202
Pump Test ID 995103363
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549117	6	inch	STEEL	n/a	23 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	MEDIUM SAND	STONES	n/a	0	20 ft
2	GRAVEL	n/a	n/a	n/a	20	23 ft

End of Record

17

Easting:	705687.10
Northing:	4915652.00
Elev (masl):	266.66

Latitude: 44.378355
Longitude: -78.384322

Well ID: **5103364**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 05/04/1953
Received Date: 07/23/1953

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.3256
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 8
Final Level: 30 ft
Pump Rate: 4 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880203
Pump Test ID 995103364
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549118	6	inch	STEEL	n/a	47 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	MEDIUM SAND	STONES	BLUE	2	46 ft
3	GRAVEL	n/a	n/a	n/a	46	47 ft

End of Record

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17		
	Easting:	705423.10
	Northing:	4915133.00
	Elev (masl):	259.70

Latitude: 44.387796
Longitude: -78.383035

Well ID: 5103365

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2113
Well Completion Date: 09/03/1953
Received Date: 02/09/1954

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 22.86
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 4
Final Level: 30 ft
Pump Rate: 8 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880204
Pump Test ID 995103365
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549119	6	inch	STEEL	n/a	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	CLAY	MEDIUM SAND	STONES	n/a	0	70 ft
2	GRAVEL	n/a	n/a	n/a	70	75 ft

End of Record

17		
	Easting:	705592.10
	Northing:	4915409.00
	Elev (masl):	260.39

Latitude: 44.378202
Longitude: -78.386324

Well ID: 5103367

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 11/07/1953
Received Date: 02/22/1954

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 13.716
Depth to Bedrock (m): 40
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 22
Final Level: 35 ft
Pump Rate: 3 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880206
Pump Test ID 995103367
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549121	n/a	inch	<null>	n/a	25 ft
2	930549122	6	inch	STEEL	n/a	40 ft
3	930549123	6	inch	OPEN HOLE	n/a	45 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	25 ft

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2	CLAY	MEDIUM SAND	STONES	BLUE	25	40	ft
3	LIMESTONE	n/a	n/a	GREY	40	45	ft

End of Record

17

Easting:	705455.10
Northing:	4915231.00
Elev (masl):	264.28

Latitude: 44.386273
Longitude: -78.382563

Well ID: 5103368

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2113
Well Completion Date: 11/18/1953
Received Date: 02/09/1954

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.6304
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 3
Final Level: 36 ft
Pump Rate: 5 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880207
Pump Test ID 995103368
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549124	6	inch	STEEL	n/a	48 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	MEDIUM SAND	STONES	n/a	0	10 ft
2	CLAY	n/a	n/a	n/a	10	45 ft
3	GRAVEL	n/a	n/a	n/a	45	48 ft

End of Record

17

Easting:	705642.10
Northing:	4915500.00
Elev (masl):	265.10

Latitude: 44.385106
Longitude: -78.38274

Well ID: 5103369

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2113
Well Completion Date: 09/30/1954
Received Date: 11/02/1954

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.0208
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 35 ft
Pump Rate: 6 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880208
Pump Test ID 995103369
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549125	6	inch	STEEL	n/a	46 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

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Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	n/a	n/a	0	10 ft
2	CLAY	STONES	n/a	GREY	10	40 ft
3	GRAVEL	n/a	n/a	n/a	40	46 ft

End of Record

17

Easting:	705255.10
Northing:	4915108.00
Elev (masl):	265.06

Latitude: 44.385412
Longitude: -78.382714

Well ID: 5103370

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2113
Well Completion Date: 01/17/1955
Received Date: 08/04/1955

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.3256
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) n/a
Final Level: n/a ft
Pump Rate: 8 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880209
Pump Test ID 995103370
Flowing: Y
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	930549126	6	inch	STEEL	n/a	47 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	47 ft

End of Record

17

Easting:	705777.10
Northing:	4916496.00
Elev (masl):	254.92

Latitude: 44.383681
Longitude: -78.384963

Well ID: 5103371

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 07/02/1955
Received Date: 11/21/1955

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.3632
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 4
Final Level: 22 ft
Pump Rate: 10 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880210
Pump Test ID 995103371
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549127	6	inch	STEEL	n/a	34 ft

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	n/a	BROWN	0	15 ft
2	CLAY	STONES	n/a	BLUE	15	30 ft
3	GRAVEL	n/a	n/a	n/a	30	34 ft

End of Record

17

Easting:	705791.10
Northing:	4916624.00
Elev (masl):	265.09

Latitude: 44.385537
Longitude: -78.382658

Well ID: 5103372

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 07/17/1955
Received Date: 11/21/1955

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.9728
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 0
Final Level: n/a ft
Pump Rate: n/a GPM
Recom. Rate: n/a GPM

Pipe ID: 10880211
Pump Test ID 995103372
Flowing: Y
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	930549128	6	inch	STEEL	n/a	36 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	15 ft
3	CLAY	STONES	n/a	BLUE	15	33 ft
4	GRAVEL	n/a	n/a	n/a	33	36 ft

End of Record

17

Easting:	705721.10
Northing:	4916239.00
Elev (masl):	254.77

Latitude: 44.383637
Longitude: -78.385003

Well ID: 5103373

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/10/1955
Received Date: 11/21/1955

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.0584
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 8
Final Level: 20 ft
Pump Rate: 5 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880212
Pump Test ID 995103373
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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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	930549129	6	inch	STEEL	n/a	33 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	BROWN	2	20 ft
3	CLAY	n/a	n/a	BLUE	20	31 ft
4	GRAVEL	n/a	n/a	n/a	31	33 ft

End of Record

17

Easting:	705437.10
Northing:	4916503.00
Elev (masl):	258.65

Latitude: 44.383252
Longitude: -78.384304

Well ID: 5103375

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 01/18/1957
Received Date: 02/28/1957

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: Domestic
Boring Method: Cable Tool

Well Depth (m): 13.1064
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 35 ft
Pump Rate: 15 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880214
Pump Test ID 995103375
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549132	6	inch	STEEL	n/a	43 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	BROWN	2	20 ft
3	CLAY	STONES	n/a	BLUE	20	40 ft
4	GRAVEL	n/a	n/a	n/a	40	43 ft

End of Record

17

Easting:	705470.10
Northing:	4916494.00
Elev (masl):	254.85

Latitude: 44.377917
Longitude: -78.387228

Well ID: 5103377

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 04/01/1957
Received Date: 07/08/1957

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.9728
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

TEST

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

Pipe ID: 10880216
Pump Test ID 995103377
Flowing: N

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PUMP

Final Level: 10 ft
Pump Rate: 40 GPM
Recom. Rate: n/a GPM

Pump Duration (hr): 1
Pump Duration (m): 30

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	930549135	6	inch	STEEL	n/a	36 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	3 ft
2	CLAY	STONES	n/a	BROWN	3	30 ft
3	GRAVEL	n/a	n/a	n/a	30	36 ft

End of Record

17

Easting:	705710.10
Northing:	4915971.00
Elev (masl):	260.02

Latitude: 44.379871
Longitude: -78.385284

Well ID: **5103378**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 04/25/1957
Received Date: 07/08/1957

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 17.9832
Depth to Bedrock (m): 40
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 5
Final Level: 39 ft
Pump Rate: 12 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880217
Pump Test ID 995103378
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549136	6	inch	STEEL	n/a	41 ft
2	930549137	6	inch	OPEN HOLE	n/a	59 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	3 ft
2	CLAY	STONES	n/a	BROWN	3	28 ft
3	CLAY	STONES	n/a	BLUE	28	38 ft
4	CLAY	GRAVEL	n/a	n/a	38	40 ft
5	LIMESTONE	n/a	n/a	n/a	40	59 ft

End of Record

17

Easting:	706070.10
Northing:	4916690.00
Elev (masl):	259.79

Latitude: 44.379479
Longitude: -78.385452

Well ID: **5103379**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 04/30/1957
Received Date: 07/08/1957

ELL

Well Status: Water Supply
Prim. Use:

Well Depth (m): 10.0584
Depth to Bedrock (m): n/a

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WE

Sec. Use: n/a
Boring Method: Cable Tool

Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 0
Final Level: 22 ft
Pump Rate: 8 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880218
Pump Test ID 995103379
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 30

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	930549138	6	inch	STEEL	n/a	33 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	27 ft
3	CLAY	GRAVEL	n/a	n/a	27	30 ft
4	GRAVEL	n/a	n/a	n/a	30	33 ft

End of Record

17

Easting:	705748.10
Northing:	4915896.00
Elev (masl):	260.84

Latitude: 44.379349
Longitude: -78.385269

Well ID: **5103380**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 05/03/1957
Received Date: 07/08/1957

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.0208
Depth to Bedrock (m): 40
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 40 ft
Pump Rate: 4 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880219
Pump Test ID 995103380
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549139	6	inch	STEEL	n/a	40 ft
2	930549140	6	inch	OPEN HOLE	n/a	46 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	MEDIUM SAND	n/a	n/a	n/a	0	30 ft
2	CLAY	STONES	n/a	BROWN	30	40 ft
3	LIMESTONE	n/a	n/a	n/a	40	46 ft

End of Record

17

Easting:	705787.10
Northing:	4916040.00
Elev (masl):	269.33

Latitude: 44.379062
Longitude: -78.38296

Well ID: **5103381**

OCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 05/06/1957
Received Date:

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City: n/a 07/08/1957

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.4592
Depth to Bedrock (m): 48
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 19
Final Level: 47 ft
Pump Rate: 5 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880220
Pump Test ID 995103381
Flowing: N
Pump Duration (hr): 1
Pump Duration (m): 30

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	930549141	6	inch	STEEL	n/a	48 ft
2	930549142	6	inch	OPEN HOLE	n/a	54 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	3 ft
2	COARSE SAND	n/a	n/a	n/a	3	15 ft
3	CLAY	STONES	n/a	BROWN	15	32 ft
4	CLAY	n/a	n/a	BLUE	32	48 ft
5	LIMESTONE	n/a	n/a	n/a	48	54 ft

End of Record

17

Easting:	705791.10
Northing:	4916062.00
Elev (masl):	265.42

Latitude: 44.387313
Longitude: -78.382391

Well ID: **5103382**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 06/21/1957
Received Date: 10/15/1957

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.0584
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) -3
Final Level: 15 ft
Pump Rate: n/a GPM
Recom. Rate: n/a GPM

Pipe ID: 10880221
Pump Test ID 995103382
Flowing: Y
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549143	6	inch	STEEL	n/a	33 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	14 ft
3	CLAY	n/a	n/a	BLUE	14	31 ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	31	33 ft

End of Record

17

Easting:	705862.10
Northing:	4916205.00
Elev (masl):	

Latitude: 44.38638
Longitude: -78.382545

Well ID: **5103383**

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264.42

LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	4713
Township:	SMITH TOWNSHIP	**Well Completion Date:**	06/26/1957
Street:		**Received Date:**	10/15/1957
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	19.2024
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10880222
Pump Set (m):	n/a	**Pump Test ID**	995103383
SWL (ft)	12	**Flowing:**	N
Final Level:	50 ft	**Pump Duration (hr):**	2
Pump Rate:	4 GPM	**Pump Duration (m):**	0
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	930549144	6	inch	STEEL	n/a	63 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	18 ft
3	CLAY	n/a	n/a	BLUE	18	60 ft
4	GRAVEL	n/a	n/a	n/a	60	63 ft

End of Record

17

Easting:	705620.10
Northing:	4915411.00
Elev (masl):	260.90

Latitude: 44.38169
Longitude: -78.383345

Well ID: **5103384**

LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	4713
Township:	SMITH TOWNSHIP	**Well Completion Date:**	07/10/1957
Street:		**Received Date:**	01/14/1958
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	15.8496
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10880223
Pump Set (m):	n/a	**Pump Test ID**	995103384
SWL (ft)	6	**Flowing:**	N
Final Level:	40 ft	**Pump Duration (hr):**	2
Pump Rate:	7 GPM	**Pump Duration (m):**	0
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	930549145	6	inch	STEEL	n/a	52 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	n/a	n/a	BROWN	0	20 ft
2	CLAY	n/a	n/a	BLUE	20	49 ft
3	GRAVEL	MEDIUM SAND	n/a	n/a	49	52 ft

End of Record

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17		
	Easting:	705755.10
	Northing:	4915963.00
	Elev (masl):	247.26

Latitude: 44.384194
Longitude: -78.385731

Well ID: 5103385

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/08/1957
Received Date: 01/14/1958

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 17.3736
Depth to Bedrock (m): 52
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) n/a
Final Level: 46 ft
Pump Rate: 10 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880224
Pump Test ID 995103385
Flowing: Y
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549146	6	inch	STEEL	n/a	52 ft
2	930549147	6	inch	OPEN HOLE	n/a	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	TOPSOIL	n/a	n/a	n/a	0	3 ft
2	CLAY	STONES	n/a	BROWN	3	27 ft
3	CLAY	STONES	n/a	BLUE	27	52 ft
4	LIMESTONE	n/a	n/a	GREY	52	57 ft

End of Record

17		
	Easting:	705632.10
	Northing:	4915472.00
	Elev (masl):	263.91

Latitude: 44.378993
Longitude: -78.384657

Well ID: 5103387

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 10/14/1957
Received Date: 01/14/1958

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 23.1648
Depth to Bedrock (m): 40
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 22
Final Level: 65 ft
Pump Rate: 12 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880226
Pump Test ID 995103387
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549149	8	inch	STEEL	n/a	40 ft
2	930549150	8	inch	OPEN HOLE	n/a	76 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth

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1	PREVIOUSLY DUG	n/a	n/a	n/a	0	40	ft
2	LIMESTONE	n/a	n/a	GREY	40	76	ft

End of Record

17

Easting:	705545.10
Northing:	4915349.00
Elev (masl):	269.26

Latitude: 44.386318
Longitude: -78.381418

Well ID: 5103388

LOCATION

Lot: 006
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2104
Well Completion Date: 11/05/1960
Received Date: 02/14/1961

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 27.432
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 30
Final Level: 70 ft
Pump Rate: 10 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880227
Pump Test ID 995103388
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549151	6	inch	STEEL	n/a	90	ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth	
1	TOPSOIL	n/a	n/a	n/a	0	2	ft
2	CLAY	STONES	n/a	BROWN	2	20	ft
3	CLAY	STONES	n/a	GREY	20	89	ft
4	GRAVEL	n/a	n/a	n/a	89	90	ft

End of Record

17

Easting:	705727.10
Northing:	4915902.00
Elev (masl):	269.38

Latitude: 44.386281
Longitude: -78.381357

Well ID: 5103389

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 11/12/1957
Received Date: 01/14/1958

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.8496
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 18
Final Level: 38 ft
Pump Rate: 20 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880228
Pump Test ID 995103389
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549152	6	inch	STEEL	n/a	52	ft

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	18 ft
3	CLAY	n/a	n/a	BLUE	18	50 ft
4	GRAVEL	n/a	n/a	n/a	50	52 ft

End of Record

17

Easting:	705976.10
Northing:	4916397.00
Elev (masl):	262.49

Latitude: 44.381008
Longitude: -78.383024

Well ID: 5103390

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 12/27/1957
Received Date: 01/14/1958

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.668
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 20 ft
Pump Rate: 20 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880229
Pump Test ID 995103390
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549153	6	inch	STEEL	n/a	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	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	n/a	n/a	BROWN	2	18 ft
3	CLAY	n/a	n/a	BLUE	18	33 ft
4	GRAVEL	n/a	n/a	n/a	33	35 ft

End of Record

17

Easting:	706029.10
Northing:	4916629.00
Elev (masl):	253.87

Latitude: 44.3816
Longitude: -78.385684

Well ID: 5103391

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 10/27/1958
Received Date: 11/17/1958

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 13.4112
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 17
Final Level: 34 ft
Pump Rate: 10 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880230
Pump Test ID 995103391
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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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	930549154	n/a	inch	<null>	n/a	9 ft
2	930549155	6	inch	STEEL	n/a	44 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	12 ft
2	CLAY	n/a	n/a	BLUE	12	42 ft
3	GRAVEL	n/a	n/a	n/a	42	44 ft

End of Record

17

Easting:	706092.10
Northing:	4916741.00
Elev (masl):	251.04

Latitude: 44.379646
Longitude: -78.386461

Well ID: **5103392**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 10/29/1958
Received Date: 11/17/1958

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 13.1064
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 17
Final Level: 36 ft
Pump Rate: 5 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880231
Pump Test ID 995103392
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549156	n/a	inch	<null>	n/a	14 ft
2	930549157	6	inch	STEEL	n/a	43 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	17 ft
2	CLAY	n/a	n/a	BLUE	17	42 ft
3	GRAVEL	n/a	n/a	n/a	42	43 ft

End of Record

17

Easting:	704455.10
Northing:	4916225.00
Elev (masl):	253.31

Latitude: 44.379614
Longitude: -78.386224

Well ID: **5103393**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 10/30/1958
Received Date: 11/17/1958

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.668
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

TEST

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

Pipe ID: 10880232
Pump Test ID 995103393
Flowing: N

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PUMP

Final Level: 28 ft
Pump Rate: 15 GPM
Recom. Rate: n/a GPM

Pump Duration (hr): 2
Pump Duration (m): 0

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	930549158	6	inch	STEEL	n/a	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	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	12 ft
3	CLAY	n/a	n/a	BLUE	12	34 ft
4	GRAVEL	n/a	n/a	n/a	34	35 ft

End of Record

17

Easting:	704069.10
Northing:	4917080.00
Elev (masl):	253.69

Latitude: 44.379427
Longitude: -78.386333

Well ID: **5103394**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 10/31/1958
Received Date: 11/17/1958

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 11.5824
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 18
Final Level: 30 ft
Pump Rate: 10 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880233
Pump Test ID 995103394
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549159	n/a	inch	<null>	n/a	16 ft
2	930549160	6	inch	STEEL	n/a	38 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	18 ft
2	CLAY	n/a	n/a	BLUE	18	36 ft
3	GRAVEL	n/a	n/a	n/a	36	38 ft

End of Record

17

Easting:	704295.10
Northing:	4917161.00
Elev (masl):	264.32

Latitude: 44.385897
Longitude: -78.382655

Well ID: **5103395**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 11/27/1958
Received Date: 01/12/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 11.5824
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

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PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) n/a
Final Level: 6 ft
Pump Rate: 40 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880234
Pump Test ID 995103395
Flowing: Y
Pump Duration (hr): 1
Pump Duration (m): 0

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	930549161	6	inch	STEEL	n/a	38 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	18 ft
3	CLAY	n/a	n/a	BLUE	18	36 ft
4	GRAVEL	n/a	n/a	n/a	36	38 ft

End of Record

17

Easting:	704077.10
Northing:	4917073.00
Elev (masl):	258.56

Latitude: 44.380701
Longitude: -78.384958

Well ID: **5103396**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 06/27/1959
Received Date: 08/10/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.3632
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 4
Final Level: 20 ft
Pump Rate: 40 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880235
Pump Test ID 995103396
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549162	6	inch	STEEL	n/a	34 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	32 ft
3	GRAVEL	n/a	n/a	n/a	32	34 ft

End of Record

17

Easting:	704164.10
Northing:	4917105.00
Elev (masl):	253.40

Latitude: 44.379702
Longitude: -78.386157

Well ID: **5103397**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 07/23/1959
Received Date: 08/10/1959

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WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 12.8016
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 30 ft
Pump Rate: 20 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880236
Pump Test ID 995103397
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549163	n/a	inch	<null>	n/a	18 ft
2	930549164	6	inch	STEEL	n/a	42 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	15 ft
2	CLAY	n/a	n/a	BLUE	15	40 ft
3	GRAVEL	n/a	n/a	n/a	40	42 ft

End of Record

17

Easting:	705290.10
Northing:	4917433.00
Elev (masl):	260.24

Latitude: 44.379924
Longitude: -78.385218

Well ID: **5103398**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/20/1959
Received Date: 11/16/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.0584
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 15 ft
Pump Rate: 30 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880237
Pump Test ID 995103398
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549165	n/a	inch	<null>	n/a	7 ft
2	930549166	6	inch	STEEL	n/a	33 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	PREVIOUSLY DUG	n/a	n/a	n/a	0	17 ft
2	CLAY	STONES	n/a	n/a	17	32 ft
3	GRAVEL	n/a	n/a	n/a	32	33 ft

End of Record

17

Easting:	706318.10
Northing:	4916931.00
Elev (masl):	263.24

Latitude: 44.378595
Longitude: -78.385378

Well ID: **5103399**

TION

Lot: 012
Con: n/a
Municipality:

Tag:
Audit No:
Contractor License: 4713

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LOCA

Township: SMITH TOWNSHIP
Street:
City: n/a

Well Completion Date: 09/03/1959
Received Date: 01/04/1960

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.7536
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 22 ft
Pump Rate: 30 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880238
Pump Test ID 995103399
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549167	6	inch	STEEL	n/a	32 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	30 ft
3	GRAVEL	n/a	n/a	n/a	30	32 ft

End of Record

17

Easting:	706248.10
Northing:	4916885.00
Elev (masl):	264.43

Latitude: 44.378629
Longitude: -78.384912

Well ID: **5103400**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 10/03/1959
Received Date: 11/16/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 13.716
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 18
Final Level: 30 ft
Pump Rate: 20 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880239
Pump Test ID 995103400
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549168	6	inch	STEEL	n/a	45 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	43 ft
3	GRAVEL	MEDIUM SAND	n/a	n/a	43	45 ft

End of Record

17

Easting:	706137.10
Northing:	4916812.00
Elev (masl):	270.75

Latitude: 44.378833
Longitude: -78.38243

Well ID: **5103401**

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LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	4713
Township:	SMITH TOWNSHIP	**Well Completion Date:**	10/07/1959
Street:		**Received Date:**	11/16/1959
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	27.432
Prim. Use:	n/a	**Depth to Bedrock (m):**	82
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10880240
Pump Set (m):	n/a	**Pump Test ID**	995103401
SWL (ft)	20	**Flowing:**	N
Final Level:	70 ft	**Pump Duration (hr):**	2
Pump Rate:	10 GPM	**Pump Duration (m):**	0
Recom. Rate:	3 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	930549169	6	inch	STEEL	n/a	82 ft
2	930549170	6	inch	OPEN HOLE	n/a	90 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	45 ft
3	MEDIUM SAND	n/a	n/a	n/a	45	55 ft
4	CLAY	n/a	n/a	n/a	55	82 ft
5	LIMESTONE	n/a	n/a	n/a	82	90 ft

End of Record

17

Easting:	706087.10
Northing:	4916814.00
Elev (masl):	260.05

Latitude: 44.378763
Longitude: -78.386023

Well ID: **5103402**

LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	4713
Township:	SMITH TOWNSHIP	**Well Completion Date:**	01/08/1960
Street:		**Received Date:**	04/25/1960
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	11.8872
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10880241
Pump Set (m):	n/a	**Pump Test ID**	995103402
SWL (ft)	6	**Flowing:**	N
Final Level:	20 ft	**Pump Duration (hr):**	3
Pump Rate:	10 GPM	**Pump Duration (m):**	0
Recom. Rate:	3 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	930549171	n/a	inch	<null>	n/a	6 ft
2	930549172	6	inch	STEEL	n/a	39 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	PREVIOUSLY DUG	n/a	n/a	n/a	0	6 ft
2	CLAY	n/a	n/a	n/a	6	37 ft
3	GRAVEL	n/a	n/a	n/a	37	39 ft

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End of Record

17		
	Easting:	706378.10
	Northing:	4916939.00
	Elev (masl):	278.61

Latitude: 44.383218
Longitude: -78.378142

Well ID: 5103404

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 07/21/1960
Received Date: 02/14/1961

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 17.0688
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 40 ft
Pump Rate: 10 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880243
Pump Test ID 995103404
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549175	6	inch	STEEL	n/a	56 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	n/a	2	20 ft
3	CLAY	STONES	n/a	BLUE	20	52 ft
4	GRAVEL	n/a	n/a	n/a	52	56 ft

End of Record

17		
	Easting:	706478.10
	Northing:	4916954.00
	Elev (masl):	262.29

Latitude: 44.38004
Longitude: -78.383217

Well ID: 5103406

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/16/1960
Received Date: 02/14/1961

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 24.6888
Depth to Bedrock (m): 66
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 30
Final Level: 70 ft
Pump Rate: 20 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880245
Pump Test ID 995103406
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549178	6	inch	STEEL	n/a	66 ft
2	930549179	6	inch	OPEN HOLE	n/a	81 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth

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1	TOPSOIL	n/a	n/a	n/a	0	2	ft
2	CLAY	STONES	n/a	n/a	2	66	ft
3	LIMESTONE	n/a	n/a	n/a	66	81	ft

End of Record

17

Easting:	706521.10
Northing:	4916992.00
Elev (masl):	258.85

Latitude: 44.383726
Longitude: -78.384183

Well ID: **5103407**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 10/24/1960
Received Date: 02/14/1961

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 20.7264
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: 55 ft
Pump Rate: 10 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880246
Pump Test ID 995103407
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549180	n/a	inch	<null>	n/a	6	ft
2	930549181	6	inch	STEEL	n/a	68	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	PREVIOUSLY DUG	n/a	n/a	n/a	0	24	ft
2	CLAY	STONES	n/a	n/a	24	66	ft
3	GRAVEL	n/a	n/a	n/a	66	68	ft

End of Record

17

Easting:	706555.10
Northing:	4917041.00
Elev (masl):	264.82

Latitude: 44.379357
Longitude: -78.383687

Well ID: **5103408**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 12/12/1960
Received Date: 05/08/1961

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 35.6616
Depth to Bedrock (m): 73
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLOUDY
Pump Set (m): n/a
SWL (ft) 27
Final Level: 100 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880247
Pump Test ID 995103408
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549182	6	inch	STEEL	n/a	73	ft
2	930549183	6	inch	OPEN HOLE	n/a	117	ft

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	73 ft
3	LIMESTONE	n/a	n/a	GREY	73	117 ft

End of Record

17

Easting:	706495.10
Northing:	4916960.00
Elev (masl):	268.91

Latitude: 44.378708
Longitude: -78.381293

Well ID: 5103409

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 02/15/1961
Received Date: 05/08/1961

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 28.6512
Depth to Bedrock (m): 84
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: n/a
Pump Set (m): n/a
SWL (ft) 6
Final Level: 70 ft
Pump Rate: 10 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880248
Pump Test ID 995103409
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549184	6	inch	STEEL	n/a	84 ft
2	930549185	6	inch	OPEN HOLE	n/a	94 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	n/a	n/a	0	84 ft
2	LIMESTONE	n/a	n/a	GREY	84	94 ft

End of Record

17

Easting:	706546.10
Northing:	4917020.00
Elev (masl):	259.60

Latitude: 44.377628
Longitude: -78.386814

Well ID: 5103410

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 5454
Well Completion Date: 05/18/1961
Received Date: 09/25/1961

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 11.5824
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 11
Final Level: 35 ft
Pump Rate: 20 GPM
Recom. Rate: 10 GPM

Pipe ID: 10880249
Pump Test ID 995103410
Flowing: N
Pump Duration (hr): 4
Pump Duration (m): 0

CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

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Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	930549186	6	inch	STEEL	n/a	38 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	MEDIUM SAND	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	GREY	2	25 ft
3	CLAY	GRAVEL	MEDIUM SAND	BLUE	25	36 ft
4	MEDIUM SAND	GRAVEL	n/a	n/a	36	38 ft

End of Record

17

Easting:	706539.10
Northing:	4917317.00
Elev (masl):	260.48

Latitude: 44.377531
Longitude: -78.386869

Well ID: 5103411

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 5454
Well Completion Date: 05/20/1961
Received Date: 09/25/1961

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 11.8872
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 25 ft
Pump Rate: 10 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880250
Pump Test ID 995103411
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549187	6	inch	STEEL	n/a	39 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	MEDIUM SAND	n/a	BLACK	0	3 ft
2	CLAY	BOULDERS	n/a	GREY	3	25 ft
3	CLAY	GRAVEL	n/a	BLACK	25	37 ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	37	39 ft

End of Record

17

Easting:	706460.10
Northing:	4917273.00
Elev (masl):	249.89

Latitude: 44.386944
Longitude: -78.384378

Well ID: 5103412

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2113
Well Completion Date: 11/09/1961
Received Date: 01/25/1962

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.144
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

UMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 20 ft
Pump Rate: 10

Pipe ID: 10880251
Pump Test ID 995103412
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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PU **Recom. Rate:** 10 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	930549188	6	inch	STEEL	n/a	30 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	3 ft
2	CLAY	n/a	n/a	GREY	3	28 ft
3	GRAVEL	n/a	n/a	n/a	28	30 ft

End of Record

17

Easting:	701919.10
Northing:	4917316.00
Elev (masl):	260.39

Latitude: 44.387848
Longitude: -78.382945

Well ID: 5103413

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2113
Well Completion Date: 11/15/1961
Received Date: 01/25/1962

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.6304
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 30
Final Level: 40 ft
Pump Rate: 6 GPM
Recom. Rate: 6 GPM

Pipe ID: 10880252
Pump Test ID 995103413
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549189	6	inch	STEEL	n/a	48 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	MEDIUM SAND	BOULDERS	BROWN	2	20 ft
3	CLAY	GRAVEL	n/a	GREY	20	46 ft
4	GRAVEL	n/a	n/a	n/a	46	48 ft

End of Record

17

Easting:	703294.10
Northing:	4917313.00
Elev (masl):	256.26

Latitude: 44.388145
Longitude: -78.383358

Well ID: 5103414

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2113
Well Completion Date: 11/18/1961
Received Date: 01/25/1962

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.6304
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

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PUMP TEST

Test Method:
Pump Set (m): n/a
SWL (ft) 30
Final Level: 40 ft
Pump Rate: 6 GPM
Recom. Rate: 5 GPM

Pipe ID:
Pump Test ID 995103414
Flowing: N
Pump Duration (hr): 1
Pump Duration (m): 0

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	930549190	n/a	inch	<null>	n/a	8 ft
2	930549191	6	inch	STEEL	n/a	48 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	14 ft
2	CLAY	GRAVEL	n/a	GREY	14	37 ft
3	GRAVEL	n/a	n/a	n/a	37	48 ft

End of Record

17

Easting:	704412.10
Northing:	4917258.00
Elev (masl):	260.72

Latitude: 44.380019
Longitude: -78.385051

Well ID: **5103415**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 11/24/1961
Received Date: 04/02/1962

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.668
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 22 ft
Pump Rate: 20 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880254
Pump Test ID 995103415
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549192	6	inch	STEEL	n/a	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	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	20 ft
3	GRAVEL	MEDIUM SAND	n/a	n/a	20	28 ft
4	CLAY	n/a	n/a	n/a	28	32 ft
5	GRAVEL	n/a	n/a	n/a	32	35 ft

End of Record

17

Easting:	705960.10
Northing:	4918003.00
Elev (masl):	266.77

Latitude: 44.37716
Longitude: -78.385216

Well ID: **5103416**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 12/13/1961
Received Date: 04/02/1962

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WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 17.6784
Depth to Bedrock (m): 42
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 26
Final Level: 45 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880255
Pump Test ID 995103416
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549193	n/a	inch	<null>	n/a	6 ft
2	930549194	6	inch	STEEL	n/a	42 ft
3	930549195	6	inch	OPEN HOLE	n/a	58 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	23 ft
2	CLAY	STONES	n/a	n/a	23	42 ft
3	LIMESTONE	n/a	n/a	GREY	42	58 ft

End of Record

17

Easting:	705969.10
Northing:	4917974.00
Elev (masl):	264.29

Latitude: 44.37785
Longitude: -78.385072

Well ID: **5103417**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 03/08/1962
Received Date: 07/04/1962

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.3256
Depth to Bedrock (m): 43
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 18
Final Level: 40 ft
Pump Rate: 3 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880256
Pump Test ID 995103417
Flowing: N
Pump Duration (hr): 1
Pump Duration (m): 0

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	930549196	6	inch	STEEL	n/a	43 ft
2	930549197	6	inch	OPEN HOLE	n/a	47 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	43 ft
3	LIMESTONE	n/a	n/a	GREY	43	47 ft

End of Record

17

Easting:	706075.10
Northing:	4919670.00
Elev (masl):	267.32

Latitude: 44.386662
Longitude: -78.381868

Well ID: **5103418**

ON

Lot: 012
Con:

Tag:
Audit No:

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LOCATION

Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Contractor License: 4713
Well Completion Date: 08/11/1962
Received Date: 10/02/1962

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.7536
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 20 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880257
Pump Test ID 995103418
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549198	6	inch	STEEL	n/a	32 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	n/a	2	30 ft
3	GRAVEL	n/a	n/a	n/a	30	32 ft

End of Record

17

Easting:	706717.10
Northing:	4919019.00
Elev (masl):	260.97

Latitude: 44.386172
Longitude: -78.383295

Well ID: **5103419**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/13/1962
Received Date: 10/02/1962

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.7536
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 0
Final Level: 20 ft
Pump Rate: 20 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880258
Pump Test ID 995103419
Flowing: Y
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549199	n/a	inch	<null>	n/a	3 ft
2	930549200	6	inch	STEEL	n/a	32 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	17 ft
2	CLAY	STONES	n/a	n/a	17	30 ft
3	GRAVEL	n/a	n/a	n/a	30	32 ft

End of Record

17

Easting:	706769.10
Northing:	4919059.00
Elev (masl):	

Latitude: 44.382794
Longitude: -78.385944

Well ID: **5103421**

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Elev (masl): 250.46

LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	2113
Township:	SMITH TOWNSHIP	**Well Completion Date:**	10/29/1962
Street:		**Received Date:**	01/08/1963
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	11.5824
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10880260
Pump Set (m):	n/a	**Pump Test ID**	995103421
SWL (ft)	n/a	**Flowing:**	Y
Final Level:	34 ft	**Pump Duration (hr):**	5
Pump Rate:	2 GPM	**Pump Duration (m):**	0
Recom. Rate:	2 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	930549202	6	inch	STEEL	n/a	34 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	7 ft
3	MEDIUM SAND	n/a	n/a	BROWN	7	12 ft
4	CLAY	BOULDERS	n/a	GREY	12	28 ft
5	CLAY	STONES	n/a	GREY	28	34 ft
6	GRAVEL	n/a	n/a	n/a	34	38 ft

End of Record

17

Easting:	706393.10
Northing:	4919291.00
Elev (masl):	244.41

Latitude: 44.384867
Longitude: -78.386053

Well ID: 5103422

LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	4713
Township:	SMITH TOWNSHIP	**Well Completion Date:**	11/15/1962
Street:		**Received Date:**	01/09/1963
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	13.4112
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10880261
Pump Set (m):	n/a	**Pump Test ID**	995103422
SWL (ft)	33	**Flowing:**	N
Final Level:	34 ft	**Pump Duration (hr):**	2
Pump Rate:	10 GPM	**Pump Duration (m):**	0
Recom. Rate:	5 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	930549203	6	inch	STEEL	n/a	44 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	33 ft
2	CLAY	STONES	n/a	n/a	33	42 ft
3	GRAVEL	n/a	n/a	n/a	42	44 ft

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End of Record

17

Easting:	706374.10
Northing:	4919289.00
Elev (masl):	271.51

Latitude: 44.385413
Longitude: -78.380429

Well ID: 5103423

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 11/19/1962
Received Date: 01/09/1963

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 18.8976
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 8
Final Level: 45 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880262
Pump Test ID 995103423
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549204	6	inch	STEEL	n/a	62 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	n/a	2	60 ft
3	GRAVEL	n/a	n/a	n/a	60	62 ft

End of Record

17

Easting:	706990.10
Northing:	4918675.00
Elev (masl):	257.09

Latitude: 44.37996
Longitude: -78.385631

Well ID: 5103424

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 10/25/1962
Received Date: 01/09/1963

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.7536
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 22 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880263
Pump Test ID 995103424
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549205	6	inch	STEEL	n/a	32 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth

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1	TOPSOIL	n/a	n/a	n/a	0	2	ft
2	CLAY	STONES	n/a	n/a	2	30	ft
3	GRAVEL	n/a	n/a	n/a	30	32	ft

End of Record

17

Easting:	706557.10
Northing:	4919061.00
Elev (masl):	264.26

Latitude: 44.377868
Longitude: -78.385084

Well ID: 5103425

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 06/20/1963
Received Date: 10/07/1963

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.0584
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 18
Final Level: 25 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880264
Pump Test ID 995103425
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549206	6	inch	STEEL	n/a	33 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	31 ft
3	GRAVEL	n/a	n/a	n/a	31	33 ft

End of Record

17

Easting:	706556.10
Northing:	4919063.00
Elev (masl):	251.39

Latitude: 44.379547
Longitude: -78.386478

Well ID: 5103426

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 09/18/1963
Received Date: 01/28/1964

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.668
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 25 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880265
Pump Test ID 995103426
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549207	6	inch	STEEL	n/a	35 ft

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	PREVIOUSLY DUG	n/a	n/a	n/a	0	10 ft
2	CLAY	n/a	n/a	BLUE	10	34 ft
3	GRAVEL	n/a	n/a	n/a	34	35 ft

End of Record

17

Easting:	707108.10
Northing:	4918514.00
Elev (masl):	264.69

Latitude: 44.377891
Longitude: -78.384932

Well ID: 5103427

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 10/05/1963
Received Date: 01/28/1964

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.5448
Depth to Bedrock (m): 40
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 18
Final Level: 48 ft
Pump Rate: 3 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880266
Pump Test ID 995103427
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549208	6	inch	STEEL	n/a	40 ft
2	930549209	6	inch	OPEN HOLE	n/a	51 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	18 ft
3	CLAY	n/a	n/a	BLUE	18	40 ft
4	LIMESTONE	n/a	n/a	GREY	40	51 ft

End of Record

17

Easting:	707065.10
Northing:	4918667.00
Elev (masl):	259.00

Latitude: 44.382472
Longitude: -78.384477

Well ID: 5103428

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 10/14/1963
Received Date: 01/28/1964

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.5448
Depth to Bedrock (m): 47
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 40 ft
Pump Rate: 5 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880267
Pump Test ID 995103428
Flowing: N
Pump Duration (hr): 1
Pump Duration (m): 0

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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	930549210	6	inch	STEEL	n/a	47 ft
2	930549211	6	inch	OPEN HOLE	n/a	51 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	n/a	n/a	n/a	0	4 ft
2	CLAY	STONES	n/a	BROWN	4	45 ft
3	CLAY	GRAVEL	n/a	BROWN	45	47 ft
4	LIMESTONE	n/a	n/a	GREY	47	51 ft

End of Record

17

Easting:	706595.10
Northing:	4919056.00
Elev (masl):	274.37

Latitude: 44.384309
Longitude: -78.379386

Well ID: 5103429

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 02/22/1964
Received Date: 05/04/1964

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 21.9456
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 60 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880268
Pump Test ID 995103429
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549212	6	inch	STEEL	n/a	72 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	n/a	2	18 ft
3	CLAY	STONES	n/a	BLUE	18	70 ft
4	GRAVEL	n/a	n/a	n/a	70	72 ft

End of Record

17

Easting:	706790.10
Northing:	4918997.00
Elev (masl):	261.62

Latitude: 44.380948
Longitude: -78.383579

Well ID: 5103430

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 06/12/1964
Received Date: 08/05/1964

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 18.288
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

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PUMP TEST

Test Method:
Pump Set (m): n/a
SWL (ft) 20
Final Level: 50 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID:
Pump Test ID 995103430
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549213	6	inch	STEEL	n/a	60 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	45 ft
3	CLAY	n/a	n/a	BLUE	45	58 ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	58	60 ft

End of Record

17

Easting:	706789.10
Northing:	4918999.00
Elev (masl):	258.75

Latitude: 44.381828
Longitude: -78.384631

Well ID: **5103431**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 04/16/1965
Received Date: 06/22/1965

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: Domestic
Boring Method: Cable Tool

Well Depth (m): 12.8016
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: 22 ft
Pump Rate: 10 GPM
Recom. Rate: 4 GPM

Pipe ID: 10880270
Pump Test ID 995103431
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549214	6	inch	STEEL	n/a	42 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	n/a	BROWN	0	38 ft
2	GRAVEL	n/a	n/a	n/a	38	42 ft

End of Record

17

Easting:	706938.10
Northing:	4919051.00
Elev (masl):	267.03

Latitude: 44.377431
Longitude: -78.384852

Well ID: **5103432**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 04/22/1965
Received Date: 06/22/1965

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WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 20.4216
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 23
Final Level: 50 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880271
Pump Test ID 995103432
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549215	6	inch	STEEL	n/a	67 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	23 ft
2	CLAY	n/a	n/a	BLUE	23	65 ft
3	GRAVEL	n/a	n/a	n/a	65	67 ft

End of Record

17

Easting:	707030.10
Northing:	4919242.00
Elev (masl):	266.27

Latitude: 44.385781
Longitude: -78.382309

Well ID: **5103435**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 09/26/1965
Received Date: 01/03/1966

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 8.5344
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 10
Final Level: 20 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880274
Pump Test ID 995103435
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549218	6	inch	STEEL	n/a	28 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BLUE	2	26 ft
3	GRAVEL	n/a	n/a	n/a	26	28 ft

End of Record

17

Easting:	707029.10
Northing:	4919164.00
Elev (masl):	254.82

Latitude: 44.387836
Longitude: -78.383598

Well ID: **5103436**

CATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township:

Tag:
Audit No:
Contractor License: 4713
Well Completion Date:

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LOC

Street: SMITH TOWNSHIP
City: n/a

Received Date: 01/03/1966

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.7536
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 7
Final Level: 25 ft
Pump Rate: 5 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880275
Pump Test ID 995103436
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549219	6	inch	STEEL	n/a	32 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BLUE	2	30 ft
3	GRAVEL	n/a	n/a	n/a	30	32 ft

End of Record

17

Easting:	707492.10
Northing:	4919641.00
Elev (masl):	260.10

Latitude: 44.378566
Longitude: -78.38607

Well ID: **5103438**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 09/02/1965
Received Date: 01/03/1966

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 18.5928
Depth to Bedrock (m): 54
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 25
Final Level: 50 ft
Pump Rate: 6 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880277
Pump Test ID 995103438
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549222	6	inch	STEEL	n/a	53 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	25 ft
2	CLAY	n/a	n/a	BLUE	25	54 ft
3	LIMESTONE	n/a	n/a	GREY	54	61 ft

End of Record

17

Easting:	707847.10
Northing:	4920284.00
Elev (masl):	255.30

Latitude: 44.38616
Longitude: -78.383936

Well ID: **5103439**

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LOCATION

Lot:
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 03/14/1966
Received Date: 03/28/1966

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.5448
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 36
Final Level: 39 ft
Pump Rate: 8 GPM
Recom. Rate: 8 GPM

Pipe ID: 10880278
Pump Test ID 995103439
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549223	6	inch	STEEL	n/a	51 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	GRAVEL	n/a	n/a	0	28 ft
2	GRAVEL	n/a	n/a	n/a	28	30 ft
3	CLAY	GRAVEL	n/a	n/a	30	50 ft
4	GRAVEL	n/a	n/a	n/a	50	51 ft

End of Record

17

Easting:	707815.10
Northing:	4920269.00
Elev (masl):	256.28

Latitude: 44.384031
Longitude: -78.384521

Well ID: **5103440**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 08/19/1966
Received Date: 10/31/1966

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 17.0688
Depth to Bedrock (m): 45
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 14
Final Level: 53 ft
Pump Rate: 1 GPM
Recom. Rate: 1 GPM

Pipe ID: 10880279
Pump Test ID 995103440
Flowing: N
Pump Duration (hr): 1
Pump Duration (m): 30

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	930549224	6	inch	STEEL	n/a	45 ft
2	930549225	6	inch	OPEN HOLE	n/a	56 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	6 ft
2	CLAY	GRAVEL	n/a	BROWN	6	37 ft
3	GRAVEL	n/a	n/a	n/a	37	45 ft
4	LIMESTONE	n/a	n/a	GREY	45	56 ft

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End of Record

17		
	Easting:	707897.10
	Northing:	4920293.00
	Elev (masl):	254.10

Latitude: 44.383218
Longitude: -78.385172

Well ID: 5103441

LOCATION

Lot: 008
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4814
Well Completion Date: 11/12/1966
Received Date: 01/31/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.0584
Depth to Bedrock (m): 17
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 4
Final Level: 25 ft
Pump Rate: 7 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880280
Pump Test ID 995103441
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549226	6	inch	STEEL	n/a	20 ft
2	930549227	6	inch	OPEN HOLE	n/a	33 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	14 ft
3	GRAVEL	STONES	n/a	n/a	14	17 ft
4	LIMESTONE	n/a	n/a	GREY	17	33 ft

End of Record

17		
	Easting:	707920.10
	Northing:	4920285.00
	Elev (masl):	256.77

Latitude: 44.381525
Longitude: -78.385172

Well ID: 5103442

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 08/30/1966
Received Date: 01/31/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 12.4968
Depth to Bedrock (m): 39
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 7
Final Level: 16 ft
Pump Rate: 40 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880281
Pump Test ID 995103442
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549228	6	inch	STEEL	n/a	41 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth

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1	TOPSOIL	n/a	n/a	n/a	0	1	ft
2	CLAY	STONES	n/a	BROWN	1	20	ft
3	CLAY	n/a	n/a	GREY	20	39	ft
4	LIMESTONE	n/a	n/a	n/a	39	41	ft

End of Record

17

Easting:	707646.10
Northing:	4920077.00
Elev (masl):	265.97

Latitude: 44.388223
Longitude: -78.382036

Well ID: **5103443**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 09/12/1966
Received Date: 01/31/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 13.1064
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 35 ft
Pump Rate: 7 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880282
Pump Test ID 995103443
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549229	6	inch	STEEL	n/a	43 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	n/a	2	25 ft
3	CLAY	GRAVEL	n/a	BLUE	25	41 ft
4	GRAVEL	n/a	n/a	n/a	41	43 ft

End of Record

17

Easting:	707628.10
Northing:	4919788.00
Elev (masl):	268.69

Latitude: 44.378006
Longitude: -78.383634

Well ID: **5103444**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 11/02/1966
Received Date: 01/31/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 33.2232
Depth to Bedrock (m): 71
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 27
Final Level: 109 ft
Pump Rate: 1 GPM
Recom. Rate: 1 GPM

Pipe ID: 10880283
Pump Test ID 995103444
Flowing: N
Pump Duration (hr): 1
Pump Duration (m): 0

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	930549230	6	inch	STEEL	n/a	58 ft

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2	930549231	6	inch	OPEN HOLE	n/a	109	ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth	
1	TOPSOIL	n/a	n/a	n/a	0	1	ft
2	MEDIUM SAND	n/a	n/a	BROWN	1	20	ft
3	MEDIUM SAND	BOULDERS	n/a	GREY	20	50	ft
4	GRAVEL	n/a	n/a	n/a	50	54	ft
5	CLAY	BOULDERS	n/a	GREY	54	71	ft
6	LIMESTONE	n/a	n/a	n/a	71	109	ft

End of Record

17

Easting:	707626.10
Northing:	4920005.00
Elev (masl):	277.51

Latitude: 44.381314
Longitude: -78.376771

Well ID: 5103445

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 11/23/1966
Received Date: 01/31/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 22.5552
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 32
Final Level: 55 ft
Pump Rate: 7 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880284
Pump Test ID 995103445
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549232	6	inch	STEEL	n/a	74	ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth	
1	TOPSOIL	n/a	n/a	n/a	0	2	ft
2	CLAY	STONES	n/a	n/a	2	70	ft
3	GRAVEL	MEDIUM SAND	n/a	n/a	70	74	ft

End of Record

17

Easting:	702810.10
Northing:	4919707.00
Elev (masl):	268.80

Latitude: 44.378688
Longitude: -78.383529

Well ID: 5103446

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 12/22/1966
Received Date: 01/31/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 20.4216
Depth to Bedrock (m): 63
Depth to Water: ft
Water Kind: FRESH

MP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 30
Final Level: 60

Pipe ID: 10880285
Pump Test ID 995103446
Flowing: N
Pump Duration (hr): 2

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PUMP

Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pump Duration (m): 0

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	930549233	6	inch	STEEL	n/a	63 ft
2	930549234	6	inch	OPEN HOLE	n/a	67 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	63 ft
3	LIMESTONE	n/a	n/a	GREY	63	67 ft

End of Record

17

Easting:	704377.90
Northing:	4919890.00
Elev (masl):	261.89

Latitude: 44.37886
Longitude: -78.385567

Well ID: 5103447

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 04/21/1967
Received Date: 08/29/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.668
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 18
Final Level: 20 ft
Pump Rate: 30 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880286
Pump Test ID 995103447
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549235	6	inch	STEEL	n/a	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	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	18 ft
3	CLAY	STONES	n/a	BLUE	18	22 ft
4	MEDIUM SAND	n/a	n/a	n/a	22	33 ft
5	GRAVEL	n/a	n/a	n/a	33	35 ft

End of Record

17

Easting:	704510.10
Northing:	4920622.00
Elev (masl):	251.37

Latitude: 44.384164
Longitude: -78.385205

Well ID: 5103448

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 09/25/1967
Received Date: 12/19/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 7.3152
Depth to Bedrock (m): 23
Depth to Water: ft
Water Kind: FRESH

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PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 8
Final Level: 20 ft
Pump Rate: 15 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880287
Pump Test ID 995103448
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549236	6	inch	STEEL	n/a	23 ft
2	930549237	6	inch	OPEN HOLE	n/a	24 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	12 ft
3	CLAY	GRAVEL	n/a	BLUE	12	22 ft
4	GRAVEL	n/a	n/a	n/a	22	23 ft
5	LIMESTONE	n/a	n/a	n/a	23	24 ft

End of Record

17

Easting:	704331.90
Northing:	4938898.00
Elev (masl):	276.51

Latitude: 44.383385
Longitude: -78.375988

Well ID: 5103858

LOCATION

Lot: 012
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 12/08/1960
Received Date: 02/14/1961

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 24.384
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 30
Final Level: 70 ft
Pump Rate: 10 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880697
Pump Test ID 995103858
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549788	6	inch	STEEL	n/a	80 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	78 ft
3	GRAVEL	n/a	n/a	n/a	78	80 ft

End of Record

17

Easting:	705569.90
Northing:	4933987.00
Elev (masl):	273.37

Latitude: 44.379299
Longitude: -78.378794

Well ID: 5103859

LOCATION

Lot: 012
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 08/26/1966
Received Date: 01/31/1967

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WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 42.672
Depth to Bedrock (m): 94
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 40
Final Level: 50 ft
Pump Rate: 3 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880698
Pump Test ID 995103859
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549789	6	inch	STEEL	n/a	94 ft
2	930549790	6	inch	OPEN HOLE	n/a	140 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	BOULDERS	n/a	WHITE	1	50 ft
3	CLAY	n/a	n/a	GREY	50	58 ft
4	CLAY	MEDIUM SAND	GRAVEL	GREY	58	81 ft
5	CLAY	STONES	n/a	GREY	81	94 ft
6	LIMESTONE	n/a	n/a	n/a	94	140 ft

End of Record

17

Easting:	706497.90
Northing:	4934866.00
Elev (masl):	264.22

Latitude: 44.380785
Longitude: -78.382343

Well ID: **5103860**

LOCATION

Lot: 012
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 09/08/1966
Received Date: 01/31/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.8496
Depth to Bedrock (m): 42
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 27
Final Level: 46 ft
Pump Rate: 20 GPM
Recom. Rate: 10 GPM

Pipe ID: 10880699
Pump Test ID 995103860
Flowing: N
Pump Duration (hr): 4
Pump Duration (m): 0

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	930549791	6	inch	STEEL	n/a	40 ft
2	930549792	6	inch	OPEN HOLE	n/a	52 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	BOULDERS	n/a	BROWN	1	21 ft
3	CLAY	BOULDERS	n/a	GREY	21	38 ft
4	GRAVEL	n/a	n/a	n/a	38	42 ft
5	LIMESTONE	n/a	n/a	n/a	42	52 ft

End of Record

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17		
	Easting:	705503.90
	Northing:	4934376.00
	Elev (masl):	267.78

Latitude: 44.380436
Longitude: -78.381631

Well ID: 5103861

LOCATION

Lot: 012
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 09/08/1966
Received Date: 01/31/1967

WELL

Well Status: Abandoned-Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.764
Depth to Bedrock (m): 49
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: 45 ft
Pump Rate: 6 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880700
Pump Test ID 995103861
Flowing: N
Pump Duration (hr): 1
Pump Duration (m): 0

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	930549793	6	inch	<null>	n/a	n/a ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	BOULDERS	n/a	BROWN	1	22 ft
3	CLAY	MEDIUM SAND	GRAVEL	GREY	22	49 ft
4	LIMESTONE	n/a	n/a	n/a	49	55 ft

End of Record

17		
	Easting:	704319.90
	Northing:	4934022.00
	Elev (masl):	269.94

Latitude: 44.383598
Longitude: -78.375087

Well ID: 5103862

LOCATION

Lot: 012
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 11/03/1967
Received Date: 12/19/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 20.1168
Depth to Bedrock (m): 54
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: 60 ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880701
Pump Test ID 995103862
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549794	6	inch	STEEL	n/a	54 ft
2	930549795	6	inch	OPEN HOLE	n/a	66 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	18 ft

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3	CLAY	STONES	n/a	BLUE	18	54	ft
4	LIMESTONE	n/a	n/a	GREY	54	66	ft

End of Record

17

Easting:	701514.90
Northing:	4938297.00
Elev (masl):	257.17

Latitude: 44.385769
Longitude: -78.383778

Well ID: 5103909

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 05/10/1967
Received Date: 08/29/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.144
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) n/a
Final Level: 20 ft
Pump Rate: 40 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880748
Pump Test ID 995103909
Flowing: Y
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549876	6	inch	STEEL	n/a	30 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	n/a	n/a	BROWN	0	6 ft
2	CLAY	GRAVEL	n/a	GREY	6	27 ft
3	GRAVEL	n/a	n/a	n/a	27	30 ft

End of Record

17

Easting:	701895.90
Northing:	4938277.00
Elev (masl):	267.75

Latitude: 44.388385
Longitude: -78.381653

Well ID: 5103910

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 05/09/1967
Received Date: 08/29/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.3632
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) n/a
Final Level: 20 ft
Pump Rate: 30 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880749
Pump Test ID 995103910
Flowing: Y
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549877	6	inch	STEEL	n/a	34 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

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Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	PREVIOUSLY DUG	n/a	n/a	n/a	0	15 ft
2	GRAVEL	n/a	n/a	n/a	15	23 ft
3	GRAVEL	CLAY	MEDIUM SAND	n/a	23	30 ft
4	GRAVEL	n/a	n/a	n/a	30	34 ft

End of Record

17

Easting:	701298.90
Northing:	4939194.00
Elev (masl):	274.82

Latitude: 44.385039
Longitude: -78.37904

Well ID: 5103911

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 07/26/1951
Received Date: 10/10/1951

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.3632
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 10
Final Level: 15 ft
Pump Rate: 8 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880750
Pump Test ID 995103911
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549878	6	inch	STEEL	n/a	34 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	MEDIUM SAND	STONES	n/a	0	30 ft
2	GRAVEL	n/a	n/a	n/a	30	34 ft

End of Record

17

Easting:	701166.90
Northing:	4939235.00
Elev (masl):	261.89

Latitude: 44.383138
Longitude: -78.383268

Well ID: 5103919

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 09/21/1954
Received Date: 03/23/1955

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 19.5072
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
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: 10880758
Pump Test ID 995103919
Flowing: Y
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

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1	930549887	6	inch	STEEL	n/a	64	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	PREVIOUSLY DUG	n/a	n/a	n/a	0	4	ft
2	CLAY	STONES	n/a	BROWN	4	20	ft
3	CLAY	STONES	n/a	BLUE	20	50	ft
4	GRAVEL	CLAY	n/a	n/a	50	63	ft
5	GRAVEL	n/a	n/a	n/a	63	64	ft

End of Record

17

Easting:	701246.90
Northing:	4939232.00
Elev (masl):	267.98

Latitude: 44.386533
Longitude: -78.381735

Well ID: 5103920

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 12/01/1954
Received Date: 03/23/1955

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 21.0312
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 1
Final Level: 20 ft
Pump Rate: 18 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880759
Pump Test ID 995103920
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549888	6	inch	STEEL	n/a	69	ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth	
1	FILL	n/a	n/a	n/a	0	2	ft
2	CLAY	STONES	n/a	BROWN	2	20	ft
3	CLAY	BOULDERS	n/a	BLUE	20	68	ft
4	GRAVEL	n/a	n/a	n/a	68	69	ft

End of Record

17

Easting:	701306.90
Northing:	4939078.00
Elev (masl):	273.67

Latitude: 44.385601
Longitude: -78.379567

Well ID: 5103921

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 12/16/1954
Received Date: 03/23/1955

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.8496
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

JMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 4
Final Level: 15 ft
Pump Rate: 30

Pipe ID: 10880760
Pump Test ID 995103921
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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PUMP TEST

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	930549889	6	inch	STEEL	n/a	52 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	BROWN	2	30 ft
3	CLAY	n/a	n/a	BLUE	30	51 ft
4	GRAVEL	n/a	n/a	n/a	51	52 ft

End of Record

17

Easting:	700730.90
Northing:	4938861.00
Elev (masl):	258.46

Latitude: 44.381955
Longitude: -78.384689

Well ID: 5103922

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 02/24/1955
Received Date: 07/26/1955

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.0584
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) n/a
Final Level: 15 ft
Pump Rate: 30 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880761
Pump Test ID 995103922
Flowing: Y
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549890	n/a	inch	<null>	n/a	18 ft
2	930549891	6	inch	STEEL	n/a	33 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	PREVIOUSLY DUG	n/a	n/a	n/a	0	18 ft
2	CLAY	n/a	n/a	BLUE	18	32 ft
3	GRAVEL	n/a	n/a	n/a	32	33 ft

End of Record

17

Easting:	701092.90
Northing:	4939183.00
Elev (masl):	273.05

Latitude: 44.384953
Longitude: -78.379985

Well ID: 5103923

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 03/22/1955
Received Date: 07/26/1955

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.1544
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

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PUMP TEST

Test Method:
Pump Set (m): n/a
SWL (ft) 25
Final Level: 40 ft
Pump Rate: 5 GPM
Recom. Rate: n/a GPM

Pipe ID:
Pump Test ID 995103923
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549892	6	inch	STEEL	n/a	53 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	25 ft
3	CLAY	STONES	n/a	BLUE	25	52 ft
4	GRAVEL	n/a	n/a	n/a	52	53 ft

End of Record

17

Easting:	701075.90
Northing:	4939268.00
Elev (masl):	272.51

Latitude: 44.385011
Longitude: -78.380146

Well ID: **5103924**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 03/24/1955
Received Date: 07/26/1955

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 17.3736
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 16
Final Level: 40 ft
Pump Rate: 5 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880763
Pump Test ID 995103924
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549893	6	inch	STEEL	n/a	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	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	n/a	n/a	BROWN	2	28 ft
3	CLAY	STONES	n/a	BLUE	28	55 ft
4	GRAVEL	n/a	n/a	n/a	55	57 ft

End of Record

17

Easting:	702772.90
Northing:	4933903.00
Elev (masl):	264.05

Latitude: 44.37933
Longitude: -78.384052

Well ID: **5103925**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2113
Well Completion Date: 10/21/1955
Received Date: 10/26/1955

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WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.7536
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 17
Final Level: 19 ft
Pump Rate: 18 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880764
Pump Test ID 995103925
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549894	6	inch	STEEL	n/a	32 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	STONES	HARDPAN	GRAVEL	n/a	2	21 ft
3	HARDPAN	GRAVEL	n/a	GREY	21	32 ft

End of Record

17

Easting:	700246.90
Northing:	4938778.00
Elev (masl):	276.19

Latitude: 44.384431
Longitude: -78.378414

Well ID: **5103930**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 10/13/1957
Received Date: 01/14/1958

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 24.384
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 72 ft
Pump Rate: 5 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880769
Pump Test ID 995103930
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549900	n/a	inch	<null>	n/a	10 ft
2	930549901	6	inch	STEEL	n/a	80 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	10 ft
2	CLAY	STONES	n/a	BLUE	10	25 ft
3	CLAY	n/a	n/a	BLUE	25	70 ft
4	MEDIUM SAND	GRAVEL	n/a	n/a	70	77 ft
5	GRAVEL	n/a	n/a	n/a	77	80 ft

End of Record

17

Easting:	700694.90
Northing:	4938891.00
Elev (masl):	260.73

Latitude: 44.388312
Longitude: -78.382773

Well ID: **5103931**

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LOCATION

Lot:
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 3515
Well Completion Date: 07/15/1958
Received Date: 09/15/1958

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.3256
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 5
Final Level: 5 ft
Pump Rate: 5 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880770
Pump Test ID 995103931
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549902	6	inch	STEEL	n/a	47 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	n/a	n/a	n/a	0	3 ft
2	HARDPAN	n/a	n/a	n/a	3	47 ft

End of Record

17

Easting:	700425.90
Northing:	4938818.00
Elev (masl):	274.30

Latitude: 44.384428
Longitude: -78.375954

Well ID: **5103933**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 05/05/1959
Received Date: 08/10/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 17.3736
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 50 ft
Pump Rate: 4 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880772
Pump Test ID 995103933
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549904	6	inch	STEEL	n/a	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	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	18 ft
3	CLAY	STONES	n/a	BLUE	18	56 ft
4	GRAVEL	n/a	n/a	n/a	56	57 ft

End of Record

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17		
	Easting:	700949.90
	Northing:	4939088.00
	Elev (masl):	273.18

Latitude: 44.386302
Longitude: -78.377176

Well ID: 5103934

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 05/05/1959
Received Date: 08/10/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.8496
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 40 ft
Pump Rate: 10 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880773
Pump Test ID 995103934
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549905	6	inch	STEEL	n/a	52 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	18 ft
3	CLAY	n/a	n/a	BLUE	18	30 ft
4	BOULDERS	GRAVEL	n/a	n/a	30	52 ft

End of Record

17		
	Easting:	699925.90
	Northing:	4938783.00
	Elev (masl):	274.23

Latitude: 44.386177
Longitude: -78.377621

Well ID: 5103935

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 05/05/1959
Received Date: 08/10/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 17.9832
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 53 ft
Pump Rate: 12 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880774
Pump Test ID 995103935
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549906	6	inch	STEEL	n/a	59 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	BROWN	2	18 ft
3	CLAY	BOULDERS	n/a	BLUE	18	50 ft

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4	GRAVEL	MEDIUM SAND	n/a	n/a	50	57	ft
5	GRAVEL	n/a	n/a	n/a	57	59	ft

End of Record

17

Easting:	700983.90
Northing:	4939124.00
Elev (masl):	276.16

Latitude: 44.384579
Longitude: -78.376625

Well ID: **5103936**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 05/06/1959
Received Date: 08/10/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 19.812
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 30
Final Level: 58 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880775
Pump Test ID 995103936
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549907	6	inch	STEEL	n/a	65 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	19 ft
3	CLAY	STONES	n/a	BLUE	19	63 ft
4	GRAVEL	n/a	n/a	n/a	63	65 ft

End of Record

17

Easting:	699142.90
Northing:	4940216.00
Elev (masl):	274.03

Latitude: 44.385955
Longitude: -78.376978

Well ID: **5103937**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 05/07/1959
Received Date: 08/10/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.24
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 40 ft
Pump Rate: 10 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880776
Pump Test ID 995103937
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549908	6	inch	STEEL	n/a	50 ft

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	19 ft
3	CLAY	STONES	n/a	BLUE	19	40 ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	40	48 ft
5	GRAVEL	n/a	n/a	n/a	48	50 ft

End of Record

17

Easting:	699001.90
Northing:	4940588.00
Elev (masl):	274.85

Latitude: 44.385005
Longitude: -78.37638

Well ID: 5103938

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 06/15/1959
Received Date: 08/10/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 18.5928
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 55 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880777
Pump Test ID 995103938
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549909	6	inch	STEEL	n/a	61 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	18 ft
3	CLAY	STONES	n/a	BLUE	18	59 ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	59	61 ft

End of Record

17

Easting:	703101.90
Northing:	4927724.00
Elev (masl):	274.13

Latitude: 44.385271
Longitude: -78.376556

Well ID: 5103939

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 06/15/1959
Received Date: 08/10/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 18.288
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 50 ft
Pump Rate: 10 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880778
Pump Test ID 995103939
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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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	930549910	6	inch	STEEL	n/a	60 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	18 ft
3	CLAY	STONES	n/a	BLUE	18	58 ft
4	GRAVEL	n/a	n/a	n/a	58	60 ft

End of Record

17

Easting:	701878.90
Northing:	4928483.00
Elev (masl):	274.84

Latitude: 44.384621
Longitude: -78.376096

Well ID: 5103940

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 06/22/1959
Received Date: 08/10/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 20.4216
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 60 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880779
Pump Test ID 995103940
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549911	6	inch	STEEL	n/a	67 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	BROWN	2	18 ft
3	CLAY	BOULDERS	n/a	BLUE	18	65 ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	65	67 ft

End of Record

17

Easting:	701664.90
Northing:	4930841.00
Elev (masl):	273.98

Latitude: 44.384245
Longitude: -78.375811

Well ID: 5103941

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 06/23/1959
Received Date: 08/10/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 22.2504
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

TEST

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

Pipe ID: 10880780
Pump Test ID 995103941
Flowing: N

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PUMP

Final Level: 42 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pump Duration (hr): 2
Pump Duration (m): 0

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	930549912	6	inch	STEEL	n/a	73 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	n/a	2	70 ft
3	GRAVEL	MEDIUM SAND	n/a	n/a	70	73 ft

End of Record

17

Easting:	701357.90
Northing:	4931239.00
Elev (masl):	273.82

Latitude: 44.385646
Longitude: -78.376828

Well ID: 5103942

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 07/07/1959
Received Date: 08/10/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.24
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 14
Final Level: 42 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880781
Pump Test ID 995103942
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549913	6	inch	STEEL	n/a	50 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	18 ft
3	CLAY	BOULDERS	n/a	BLUE	18	45 ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	45	50 ft

End of Record

17

Easting:	700457.90
Northing:	4935939.00
Elev (masl):	275.78

Latitude: 44.384
Longitude: -78.376124

Well ID: 5103943

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 07/07/1959
Received Date: 08/10/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 24.6888
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

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PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10880782
Pump Set (m):	n/a	**Pump Test ID**	995103943
SWL (ft)	12	**Flowing:**	N
Final Level:	70 ft	**Pump Duration (hr):**	2
Pump Rate:	8 GPM	**Pump Duration (m):**	0
Recom. Rate:	3 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	930549914	6	inch	STEEL	n/a	81 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	BROWN	2	20 ft
3	CLAY	BOULDERS	n/a	BLUE	20	60 ft
4	CLAY	MEDIUM SAND	n/a	n/a	60	80 ft
5	GRAVEL	n/a	n/a	n/a	80	81 ft

End of Record

17

Easting:	700453.90
Northing:	4936074.00
Elev (masl):	276.00

Latitude: 44.384805
Longitude: -78.376678

Well ID: **5103944**

LOCATION

Lot:	012	**Tag:**	
Con:	07	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	4713
Township:	SMITH TOWNSHIP	**Well Completion Date:**	07/08/1959
Street:		**Received Date:**	08/10/1959
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	22.5552
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10880783
Pump Set (m):	n/a	**Pump Test ID**	995103944
SWL (ft)	36	**Flowing:**	N
Final Level:	65 ft	**Pump Duration (hr):**	2
Pump Rate:	8 GPM	**Pump Duration (m):**	0
Recom. Rate:	3 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	930549915	6	inch	STEEL	n/a	74 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	20 ft
3	CLAY	BOULDERS	n/a	BLUE	20	72 ft
4	GRAVEL	n/a	n/a	n/a	72	74 ft

End of Record

17

Easting:	699268.90
Northing:	4938228.00
Elev (masl):	275.80

Latitude: 44.384458
Longitude: -78.376442

Well ID: **5103945**

LOCATION

Lot:	012	**Tag:**	
Con:	07	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	4713
Township:	SMITH TOWNSHIP	**Well Completion Date:**	07/09/1959
Street:		**Received Date:**	08/10/1959
City:	n/a		

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WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 23.4696
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 67 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880784
Pump Test ID 995103945
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549916	6	inch	STEEL	n/a	77 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	18 ft
3	CLAY	STONES	n/a	BLUE	18	75 ft
4	GRAVEL	n/a	n/a	n/a	75	77 ft

End of Record

17

Easting:	698683.90
Northing:	4937640.00
Elev (masl):	274.99

Latitude: 44.385766
Longitude: -78.37735

Well ID: **5103946**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 07/14/1959
Received Date: 08/27/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.24
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 24
Final Level: 40 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880785
Pump Test ID 995103946
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549917	6	inch	STEEL	n/a	50 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	45 ft
3	GRAVEL	MEDIUM SAND	n/a	n/a	45	50 ft

End of Record

17

Easting:	698592.90
Northing:	4937461.00
Elev (masl):	274.62

Latitude: 44.385601
Longitude: -78.37722

Well ID: **5103947**

TION

Lot: 012
Con: 07
Municipality:

Tag:
Audit No:
Contractor License: 4713

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LOCA

Township: SMITH TOWNSHIP
Street:
City: n/a

Well Completion Date: 07/15/1959
Received Date: 08/27/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.4592
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 25
Final Level: 45 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880786
Pump Test ID 995103947
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549918	6	inch	STEEL	n/a	54 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	50 ft
3	GRAVEL	MEDIUM SAND	n/a	n/a	50	54 ft

End of Record

17

Easting:	699492.90
Northing:	4938285.00
Elev (masl):	274.01

Latitude: 44.386057
Longitude: -78.377074

Well ID: **5103948**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 07/16/1959
Received Date: 08/27/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.3256
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 40 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880787
Pump Test ID 995103948
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549919	6	inch	STEEL	n/a	47 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	45 ft
3	GRAVEL	n/a	n/a	n/a	45	47 ft

End of Record

17

Easting:	699185.90
Northing:	4938161.00
Elev (masl):	275.88

Latitude: 44.384898
Longitude: -78.376787

Well ID: **5103949**

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LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 07/17/1959
Received Date: 08/27/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 20.1168
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 24
Final Level: 58 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880788
Pump Test ID 995103949
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549920	6	inch	STEEL	n/a	66 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	n/a	2	50 ft
3	GRAVEL	MEDIUM SAND	n/a	n/a	50	66 ft

End of Record

17

Easting:	699210.90
Northing:	4937966.00
Elev (masl):	274.96

Latitude: 44.385939
Longitude: -78.377456

Well ID: **5103951**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 07/28/1959
Received Date: 08/27/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 18.288
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 25
Final Level: 45 ft
Pump Rate: 20 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880790
Pump Test ID 995103951
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549922	6	inch	STEEL	n/a	60 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	45 ft
3	GRAVEL	MEDIUM SAND	n/a	n/a	45	60 ft

End of Record

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17

Easting:	700137.90
Northing:	4938724.00
Elev (masl):	273.69

Latitude: 44.385508
Longitude: -78.376684

Well ID: 5103952

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/14/1959
Received Date: 08/27/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.5448
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 14
Final Level: 41 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880791
Pump Test ID 995103952
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549923	6	inch	STEEL	n/a	51 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	20 ft
3	CLAY	STONES	n/a	BLUE	20	45 ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	45	51 ft

End of Record

17

Easting:	700422.90
Northing:	4935757.00
Elev (masl):	275.11

Latitude: 44.385063
Longitude: -78.376942

Well ID: 5103953

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/14/1959
Received Date: 11/16/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 18.8976
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 24
Final Level: 52 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880792
Pump Test ID 995103953
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549924	6	inch	STEEL	n/a	62 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	58 ft
3	GRAVEL	MEDIUM SAND	n/a	n/a	58	62 ft

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End of Record

17

Easting:	698175.90
Northing:	4938723.00
Elev (masl):	274.39

Latitude: 44.385409
Longitude: -78.377078

Well ID: 5103954

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/15/1959
Received Date: 08/27/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 18.8976
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 22
Final Level: 52 ft
Pump Rate: 8 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880793
Pump Test ID 995103954
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549925	6	inch	STEEL	n/a	62 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	18 ft
3	CLAY	STONES	n/a	BLUE	18	60 ft
4	GRAVEL	n/a	n/a	n/a	60	62 ft

End of Record

17

Easting:	699266.90
Northing:	4939527.00
Elev (masl):	274.00

Latitude: 44.384072
Longitude: -78.375706

Well ID: 5103955

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/26/1959
Received Date: 11/16/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 20.7264
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: 60 ft
Pump Rate: 4 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880794
Pump Test ID 995103955
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549926	6	inch	STEEL	n/a	68 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth

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1	TOPSOIL	n/a	n/a	n/a	0	2	ft
2	CLAY	STONES	n/a	n/a	2	18	ft
3	BOULDERS	CLAY	n/a	n/a	18	65	ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	65	68	ft

End of Record

17

Easting:	698221.90
Northing:	4938850.00
Elev (masl):	276.18

Latitude: 44.384326
Longitude: -78.378557

Well ID: **5103956**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 09/14/1959
Received Date: 11/16/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.5448
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 40 ft
Pump Rate: 10 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880795
Pump Test ID 995103956
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549927	6	inch	STEEL	n/a	51 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	49 ft
3	GRAVEL	n/a	n/a	n/a	49	51 ft

End of Record

17

Easting:	698168.90
Northing:	4938653.00
Elev (masl):	275.73

Latitude: 44.383954
Longitude: -78.376075

Well ID: **5103957**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 09/15/1959
Received Date: 11/16/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 26.5176
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 35
Final Level: 75 ft
Pump Rate: 5 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880796
Pump Test ID 995103957
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549928	6	inch	STEEL	n/a	87 ft

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	85 ft
3	GRAVEL	MEDIUM SAND	n/a	n/a	85	87 ft

End of Record

17

Easting:	698163.90
Northing:	4938643.00
Elev (masl):	274.83

Latitude: 44.384867
Longitude: -78.376248

Well ID: 5103958

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 09/18/1959
Received Date: 11/16/1959

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 20.7264
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: 58 ft
Pump Rate: 5 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880797
Pump Test ID 995103958
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549929	6	inch	STEEL	n/a	68 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	65 ft
3	GRAVEL	MEDIUM SAND	n/a	n/a	65	68 ft

End of Record

17

Easting:	698366.90
Northing:	4939631.00
Elev (masl):	269.02

Latitude: 44.386928
Longitude: -78.381303

Well ID: 5103960

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 12/10/1959
Received Date: 01/04/1960

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 7.0104
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLOUDY
Pump Set (m): n/a
SWL (ft) 10
Final Level: 15 ft
Pump Rate: 10 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880799
Pump Test ID 995103960
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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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	930549931	6	inch	STEEL	n/a	23 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	21 ft
3	GRAVEL	n/a	n/a	n/a	21	23 ft

End of Record

17

Easting:	697577.90
Northing:	4941239.00
Elev (masl):	273.50

Latitude: 44.385531
Longitude: -78.379658

Well ID: 5103971

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 09/18/1965
Received Date: 01/03/1966

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.8496
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 18
Final Level: 45 ft
Pump Rate: 7 GPM
Recom. Rate: 3 GPM

Pipe ID: 10880810
Pump Test ID 995103971
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549942	6	inch	STEEL	n/a	52 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	n/a	2	35 ft
3	CLAY	n/a	n/a	BLUE	35	50 ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	50	52 ft

End of Record

17

Easting:	700742.90
Northing:	4927963.00
Elev (masl):	266.81

Latitude: 44.38759
Longitude: -78.381927

Well ID: 5103973

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 12/03/1966
Received Date: 01/31/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.7536
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

TEST

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

Pipe ID: 10880812
Pump Test ID 995103973
Flowing: Y

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PUMP

Final Level: 20 ft
Pump Rate: 50 GPM
Recom. Rate: 4 GPM

Pump Duration (hr): 1
Pump Duration (m): 0

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	930549945	6	inch	STEEL	n/a	32 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	GRAVEL	BOULDERS	n/a	0	30 ft
2	GRAVEL	n/a	n/a	n/a	30	32 ft

End of Record

17

Easting:	700361.90
Northing:	4928851.00
Elev (masl):	276.14

Latitude: 44.384291
Longitude: -78.378596

Well ID: **5103975**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 08/29/1966
Received Date: 02/14/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 18.288
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 38
Final Level: 54 ft
Pump Rate: 30 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880814
Pump Test ID 995103975
Flowing: N
Pump Duration (hr): 1
Pump Duration (m): 0

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	930549947	6	inch	STEEL	n/a	60 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	BOULDERS	n/a	BROWN	1	14 ft
3	CLAY	BOULDERS	n/a	GREY	14	59 ft
4	GRAVEL	n/a	n/a	n/a	59	60 ft

End of Record

17

Easting:	700245.90
Northing:	4929340.00
Elev (masl):	276.60

Latitude: 44.384231
Longitude: -78.37831

Well ID: **5103976**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 05/04/1967
Received Date: 08/16/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.8496
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

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PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 27
Final Level: 32 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880815
Pump Test ID 995103976
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549948	6	inch	STEEL	n/a	52 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	BOULDERS	n/a	n/a	0	3 ft
2	GRAVEL	MEDIUM SAND	n/a	BROWN	3	20 ft
3	GRAVEL	MEDIUM SAND	STONES	GREY	20	50 ft
4	GRAVEL	COARSE SAND	n/a	n/a	50	52 ft

End of Record

17

Easting:	699501.90
Northing:	4931236.00
Elev (masl):	270.91

Latitude: 44.386252
Longitude: -78.380492

Well ID: **5103978**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 05/31/1967
Received Date: 12/12/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.8496
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 37 ft
Pump Rate: 15 GPM
Recom. Rate: 10 GPM

Pipe ID: 10880817
Pump Test ID 995103978
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549950	6	inch	STEEL	n/a	52 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	n/a	1	48 ft
3	GRAVEL	n/a	n/a	n/a	48	52 ft

End of Record

17

Easting:	699473.90
Northing:	4931341.00
Elev (masl):	272.23

Latitude: 44.385888
Longitude: -78.379918

Well ID: **5103979**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 05/22/1967
Received Date: 12/12/1967

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WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 11.5824
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 14
Final Level: 20 ft
Pump Rate: 20 GPM
Recom. Rate: 10 GPM

Pipe ID: 10880818
Pump Test ID 995103979
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549951	6	inch	STEEL	n/a	38 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	n/a	1	35 ft
3	GRAVEL	n/a	n/a	n/a	35	38 ft

End of Record

17

Easting:	699412.90
Northing:	4931886.00
Elev (masl):	273.24

Latitude: 44.38564
Longitude: -78.379691

Well ID: **5103980**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 05/25/1967
Received Date: 12/12/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.668
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 10
Final Level: 25 ft
Pump Rate: 40 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880819
Pump Test ID 995103980
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549952	6	inch	STEEL	n/a	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	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	n/a	1	28 ft
3	GRAVEL	n/a	n/a	n/a	28	35 ft

End of Record

17

Easting:	699406.90
Northing:	4932117.00
Elev (masl):	274.66

Latitude: 44.385186
Longitude: -78.379134

Well ID: **5103981**

CATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township:

Tag:
Audit No:
Contractor License: 2116
Well Completion Date:

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LOC

Street: SMITH TOWNSHIP
City: n/a

Received Date: 12/12/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.9728
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 20 ft
Pump Rate: 40 GPM
Recom. Rate: 10 GPM

Pipe ID: 10880820
Pump Test ID 995103981
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549953	6	inch	STEEL	n/a	36 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	n/a	1	26 ft
3	GRAVEL	n/a	n/a	n/a	26	36 ft

End of Record

17

Easting:	699389.90
Northing:	4932021.00
Elev (masl):	269.84

Latitude: 44.386809
Longitude: -78.380819

Well ID: **5103982**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 06/01/1967
Received Date: 12/12/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 7.3152
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 9 ft
Pump Rate: 40 GPM
Recom. Rate: 10 GPM

Pipe ID: 10880821
Pump Test ID 995103982
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549954	6	inch	STEEL	n/a	24 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	n/a	1	20 ft
3	GRAVEL	n/a	n/a	n/a	20	24 ft

End of Record

17

Easting:	699405.90
Northing:	4932162.00
Elev (masl):	273.22

Latitude: 44.386236
Longitude: -78.378987

Well ID: **5103983**

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LOCATION

Lot:
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 09/16/1967
Received Date: 12/12/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.668
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 18
Final Level: 25 ft
Pump Rate: 30 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880822
Pump Test ID 995103983
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549955	6	inch	STEEL	n/a	33 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	20 ft
3	CLAY	STONES	n/a	GREY	20	32 ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	32	35 ft

End of Record

17

Easting:	699706.90
Northing:	4932692.00
Elev (masl):	274.15

Latitude: 44.385382
Longitude: -78.379451

Well ID: **5103984**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 09/16/1967
Received Date: 12/12/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.8496
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: 30 ft
Pump Rate: 20 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880823
Pump Test ID 995103984
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549956	6	inch	STEEL	n/a	50 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	n/a	1	30 ft
3	CLAY	HARDPAN	STONES	GREY	30	49 ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	49	52 ft

End of Record

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17		
	Easting:	699704.90
	Northing:	4932762.00
	Elev (masl):	271.64

Latitude: 44.386489
Longitude: -78.379816

Well ID: 5103985

LOCATION

Lot: 017
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 09/16/1967
Received Date: 12/12/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.4488
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 10
Final Level: 20 ft
Pump Rate: 6 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880824
Pump Test ID 995103985
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549957	6	inch	STEEL	n/a	31 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	25 ft
3	GRAVEL	n/a	n/a	n/a	25	31 ft

End of Record

17		
	Easting:	699630.90
	Northing:	4932529.00
	Elev (masl):	274.27

Latitude: 44.385745
Longitude: -78.379197

Well ID: 5103986

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 09/18/1967
Received Date: 12/12/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 12.192
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: 30 ft
Pump Rate: 20 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880825
Pump Test ID 995103986
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549958	6	inch	STEEL	n/a	38 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	n/a	n/a	BROWN	1	15 ft
3	CLAY	STONES	n/a	GREY	15	38 ft

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4	GRAVEL	MEDIUM SAND	n/a	n/a	38	40	ft

End of Record

17

Easting:	699789.90
Northing:	4932940.00
Elev (masl):	272.60

Latitude: 44.386034
Longitude: -78.379623

Well ID: 5103987

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 09/19/1967
Received Date: 12/12/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 12.4968
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 18
Final Level: 35 ft
Pump Rate: 6 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880826
Pump Test ID 995103987
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549959	6	inch	STEEL	n/a	39 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	20 ft
3	CLAY	STONES	n/a	GREY	20	39 ft
4	GRAVEL	MEDIUM SAND	n/a	n/a	39	41 ft

End of Record

17

Easting:	699576.90
Northing:	4932503.00
Elev (masl):	271.35

Latitude: 44.386882
Longitude: -78.37892

Well ID: 5103988

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 12/12/1967
Received Date: 12/18/1967

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.3632
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 32 ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 10880827
Pump Test ID 995103988
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549960	6	inch	STEEL	n/a	34 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth

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1	TOPSOIL	n/a	n/a	n/a	0	1	ft
2	CLAY	STONES	n/a	BROWN	1	10	ft
3	CLAY	n/a	n/a	GREY	10	32	ft
4	GRAVEL	n/a	n/a	n/a	32	34	ft

End of Record

17

Easting:	699623.90
Northing:	4932589.00
Elev (masl):	271.26

Latitude: 44.386952
Longitude: -78.379595

Well ID: **5103989**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 12/12/1967
Received Date: 12/18/1967

WELL

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

Well Depth (m): 10.668
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 7
Final Level: 33 ft
Pump Rate: 6 GPM
Recom. Rate: 6 GPM

Pipe ID: 10880828
Pump Test ID 995103989
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549961	6	inch	STEEL	n/a	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	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	10 ft
3	CLAY	n/a	n/a	GREY	10	33 ft
4	GRAVEL	n/a	n/a	n/a	33	35 ft

End of Record

17

Easting:	699763.90
Northing:	4932794.00
Elev (masl):	271.62

Latitude: 44.386498
Longitude: -78.379841

Well ID: **5103990**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2116
Well Completion Date: 12/13/1967
Received Date: 01/23/1968

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 8.2296
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 25 ft
Pump Rate: 20 GPM
Recom. Rate: 10 GPM

Pipe ID: 10880829
Pump Test ID 995103990
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930549962	6	inch	STEEL	n/a	27 ft

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	10 ft
3	CLAY	n/a	n/a	GREY	10	25 ft
4	GRAVEL	n/a	n/a	n/a	25	27 ft

End of Record

17

Easting:	699594.90
Northing:	4932548.00
Elev (masl):	265.38

Latitude: 44.386628
Longitude: -78.382346

Well ID: 5103991

LOCATION

Lot: 013
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/26/1952
Received Date: 11/27/1952

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 19.812
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 30 ft
Pump Rate: 10 GPM
Recom. Rate: n/a GPM

Pipe ID: 10880830
Pump Test ID 995103991
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930549963	6	inch	STEEL	n/a	65 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	MEDIUM SAND	STONES	n/a	2	63 ft
3	GRAVEL	n/a	n/a	n/a	63	65 ft

End of Record

17

Easting:	710992.20
Northing:	4908868.00
Elev (masl):	255.80

Latitude: 44.386428
Longitude: -78.383824

Well ID: 5104526

LOCATION

Lot: 013
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 03/01/1968
Received Date: 09/12/1968

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 11.2776
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 8
Final Level: 27 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10881365
Pump Test ID 995104526
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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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	930550885	6	inch	STEEL	n/a	37 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	n/a	2	35 ft
3	GRAVEL	n/a	n/a	n/a	35	37 ft

End of Record

17

Easting:	711040.20
Northing:	4909202.00
Elev (masl):	257.52

Latitude: 44.385885
Longitude: -78.383723

Well ID: 5104527

LOCATION

Lot: 013
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 12/21/1968
Received Date: 01/21/1969

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 8.5344
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 8
Final Level: 20 ft
Pump Rate: 5 GPM
Recom. Rate: 3 GPM

Pipe ID: 10881366
Pump Test ID 995104527
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930550886	6	inch	STEEL	n/a	28 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	n/a	2	27 ft
3	GRAVEL	n/a	n/a	n/a	27	28 ft

End of Record

17

Easting:	711643.20
Northing:	4908399.00
Elev (masl):	277.16

Latitude: 44.383922
Longitude: -78.376654

Well ID: 5104534

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/25/1968
Received Date: 01/21/1969

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 24.9936
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

TEST

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

Pipe ID: 10881373
Pump Test ID 995104534
Flowing: N

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PUMP

Final Level: 36 ft
Pump Rate: 20 GPM
Recom. Rate: 5 GPM

Pump Duration (hr): 2
Pump Duration (m): 0

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	930550894	6	inch	STEEL	n/a	79 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	BOULDERS	n/a	BROWN	2	40 ft
3	CLAY	BOULDERS	n/a	BLUE	40	60 ft
4	MEDIUM SAND	n/a	n/a	n/a	60	78 ft
5	GRAVEL	MEDIUM SAND	n/a	n/a	78	82 ft

End of Record

17

Easting:	711118.20
Northing:	4909315.00
Elev (masl):	275.66

Latitude: 44.384456
Longitude: -78.376379

Well ID: 5104535

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2104
Well Completion Date: 09/03/1968
Received Date: 01/21/1969

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 23.1648
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 40
Final Level: 65 ft
Pump Rate: 9 GPM
Recom. Rate: 6 GPM

Pipe ID: 10881374
Pump Test ID 995104535
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930550895	6	inch	STEEL	n/a	76 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	GREY	1	73 ft
3	CLAY	GRAVEL	n/a	BROWN	73	76 ft

End of Record

17

Easting:	726765.30
Northing:	4902052.00
Elev (masl):	267.17

Latitude: 44.378775
Longitude: -78.383788

Well ID: 5104605

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 04/29/1968
Received Date: 01/21/1969

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use:

Well Depth (m): 21.336
Depth to Bedrock (m): 54
Depth to Water: ft

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Boring Method: Cable Tool

Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 35
Final Level: 65 ft
Pump Rate: 4 GPM
Recom. Rate: 3 GPM

Pipe ID: 10881430
Pump Test ID 995104605
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930550987	6	inch	STEEL	n/a	54 ft
2	930550988	6	inch	OPEN HOLE	n/a	70 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	COARSE SAND	GRAVEL	n/a	n/a	2	30 ft
3	CLAY	STONES	n/a	BLUE	30	54 ft
4	LIMESTONE	n/a	n/a	GREY	54	70 ft

End of Record

17

Easting:	714705.20
Northing:	4899048.00
Elev (masl):	266.36

Latitude: 44.385941
Longitude: -78.382214

Well ID: 5104627

LOCATION

Lot: 013
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/20/1965
Received Date: 01/21/1969

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 17.9832
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) n/a
Final Level: 20 ft
Pump Rate: 20 GPM
Recom. Rate: 5 GPM

Pipe ID: 10881460
Pump Test ID 995104627
Flowing: Y
Pump Duration (hr): 1
Pump Duration (m): 0

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	930551018	6	inch	STEEL	n/a	59 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	STONES	n/a	BROWN	2	27 ft
3	CLAY	BOULDERS	n/a	BLUE	27	58 ft
4	GRAVEL	n/a	n/a	n/a	58	59 ft

End of Record

17

Easting:	716180.20
Northing:	4910420.00
Elev (masl):	271.11

Latitude: 44.387061
Longitude: -78.380029

Well ID: 5104899

OCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:

Tag:
Audit No:
Contractor License: 2104
Well Completion Date: 03/25/1969
Received Date:

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City: n/a 02/01/1970

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.144
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 24 ft
Pump Rate: 10 GPM
Recom. Rate: 10 GPM

Pipe ID: 10881732
Pump Test ID 995104899
Flowing: N
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	930551441	8	inch	STEEL	n/a	30 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	2 ft
2	CLAY	STONES	n/a	GREY	2	29 ft
3	GRAVEL	n/a	n/a	BROWN	29	30 ft

End of Record

17

Easting:	718829.30
Northing:	4902771.00
Elev (masl):	254.55

Latitude: 44.387774
Longitude: -78.383638

Well ID: **5104928**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2104
Well Completion Date: 08/07/1969
Received Date: 02/02/1970

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.1544
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 22
Final Level: 38 ft
Pump Rate: 20 GPM
Recom. Rate: 20 GPM

Pipe ID: 10881760
Pump Test ID 995104928
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930551483	6	inch	STEEL	n/a	53 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	GREY	1	22 ft
3	CLAY	GRAVEL	n/a	n/a	22	50 ft
4	GRAVEL	n/a	n/a	n/a	50	53 ft

End of Record

17

Easting:	715031.30
Northing:	4906342.00
Elev (masl):	265.56

Latitude: 44.383505
Longitude: -78.374162

Well ID: **5105237**

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LOCATION

Lot:
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 10/22/1970
Received Date: 10/30/1970

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 23.4696
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: 65 ft
Pump Rate: 9 GPM
Recom. Rate: 5 GPM

Pipe ID: 10882055
Pump Test ID 995105237
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930551958	6	inch	STEEL	n/a	77 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	STONES	n/a	BROWN	0	10 ft
2	CLAY	GRAVEL	BOULDERS	GREY	10	76 ft
3	GRAVEL	n/a	n/a	n/a	76	77 ft

End of Record

17

Easting:	710382.10
Northing:	4914091.00
Elev (masl):	258.14

Latitude: 44.387315
Longitude: -78.383282

Well ID: **5105374**

LOCATION

Lot: 013
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2104
Well Completion Date: 09/16/1970
Received Date: 02/04/1971

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.3256
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) n/a
Final Level: 40 ft
Pump Rate: 15 GPM
Recom. Rate: 15 GPM

Pipe ID: 10882191
Pump Test ID 995105374
Flowing: Y
Pump Duration (hr): 2
Pump Duration (m): 14

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	930552191	6	inch	STEEL	n/a	47 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	1 ft
2	CLAY	GRAVEL	n/a	GREY	1	46 ft
3	GRAVEL	n/a	n/a	GREY	46	47 ft

End of Record

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17		
	Easting:	708301.10
	Northing:	4917794.00
	Elev (masl):	255.48

Latitude: 44.38375
Longitude: -78.384822

Well ID: 5105392

LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	4713
Township:	SMITH TOWNSHIP	**Well Completion Date:**	08/22/1970
Street:		**Received Date:**	02/04/1971
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	20.1168
Prim. Use:	n/a	**Depth to Bedrock (m):**	65
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10882209
Pump Set (m):	n/a	**Pump Test ID**	995105392
SWL (ft)	18	**Flowing:**	N
Final Level:	60 ft	**Pump Duration (hr):**	2
Pump Rate:	3 GPM	**Pump Duration (m):**	0
Recom. Rate:	3 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	930552216	6	inch	STEEL	n/a	66 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	n/a	BROWN	0	30 ft
2	CLAY	STONES	n/a	BLUE	30	65 ft
3	SHALE	GRAVEL	n/a	GREY	65	66 ft

End of Record

17		
	Easting:	708280.10
	Northing:	4917347.00
	Elev (masl):	277.22

Latitude: 44.383426
Longitude: -78.37856

Well ID: 5105410

LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	4713
Township:	SMITH TOWNSHIP	**Well Completion Date:**	11/04/1970
Street:		**Received Date:**	02/04/1971
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	14.6304
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	n/a	**Pipe ID:**	10882227
Pump Set (m):	n/a	**Pump Test ID**	995105410
SWL (ft)	30	**Flowing:**	N
Final Level:	30 ft	**Pump Duration (hr):**	2
Pump Rate:	8 GPM	**Pump Duration (m):**	0
Recom. Rate:	5 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	930552238	6	inch	STEEL	n/a	48 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	n/a	BROWN	0	30 ft
2	CLAY	STONES	n/a	BLUE	30	46 ft
3	GRAVEL	MEDIUM SAND	n/a	BLUE	46	48 ft

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End of Record

17

Easting:	708295.10
Northing:	4917333.00
Elev (masl):	256.80

Latitude: 44.379543
Longitude: -78.385888

Well ID: 5105411

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 06/02/1970
Received Date: 02/04/1971

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 12.8016
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 32 ft
Pump Rate: 7 GPM
Recom. Rate: 5 GPM

Pipe ID: 10882228
Pump Test ID 995105411
Flowing: N
Pump Duration (hr): 1
Pump Duration (m): 0

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	930552239	6	inch	STEEL	n/a	42 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	n/a	BROWN	0	14 ft
2	CLAY	STONES	n/a	BLUE	14	41 ft
3	GRAVEL	n/a	n/a	BLUE	41	42 ft

End of Record

17

Easting:	708218.10
Northing:	4917360.00
Elev (masl):	272.80

Latitude: 44.385883
Longitude: -78.379705

Well ID: 5105424

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 08/04/1970
Received Date: 02/04/1971

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.144
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 20 ft
Pump Rate: 10 GPM
Recom. Rate: 7 GPM

Pipe ID: 10882241
Pump Test ID 995105424
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930552258	6	inch	STEEL	n/a	27 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth

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1	CLAY	STONES	n/a	BROWN	0	26	ft
2	GRAVEL	MEDIUM SAND	n/a	BROWN	26	30	ft

End of Record

17

Easting:	710728.20
Northing:	4908803.00
Elev (masl):	252.99

Latitude: 44.386613
Longitude: -78.384067

Well ID: **5105509**

LOCATION

Lot: 013
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 12/19/1968
Received Date: 01/21/1969

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.7536
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 0
Final Level: 25 ft
Pump Rate: 7 GPM
Recom. Rate: 3 GPM

Pipe ID: 10882290
Pump Test ID 995105509
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930552340	6	inch	STEEL	n/a	32	ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth	
1	TOPSOIL	n/a	n/a	n/a	0	2	ft
2	CLAY	STONES	n/a	BROWN	2	16	ft
3	CLAY	STONES	n/a	BLUE	16	31	ft
4	GRAVEL	n/a	n/a	n/a	31	32	ft

End of Record

17

Easting:	713546.10
Northing:	4913473.00
Elev (masl):	256.95

Latitude: 44.387049
Longitude: -78.38342

Well ID: **5105709**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 5102
Well Completion Date: 11/09/1971
Received Date: 11/17/1971

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 7.62
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 9
Final Level: 15 ft
Pump Rate: 15 GPM
Recom. Rate: 10 GPM

Pipe ID: 10882469
Pump Test ID 995105709
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930552642	6	inch	STEEL	n/a	25	ft

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	GRAVEL	n/a	n/a	0	4 ft
2	CLAY	BOULDERS	n/a	BROWN	4	23 ft
3	GRAVEL	n/a	n/a	BROWN	23	25 ft

End of Record

17

Easting:	708556.10
Northing:	4918452.00
Elev (masl):	264.22

Latitude: 44.378796
Longitude: -78.384729

Well ID: 5106141

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1666
Well Completion Date: 09/04/1972
Received Date: 11/08/1972

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.668
Depth to Bedrock (m): 34
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: 15 ft
Pump Rate: 20 GPM
Recom. Rate: 5 GPM

Pipe ID: 10882897
Pump Test ID 995106141
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930553347	6	inch	STEEL	n/a	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	CLAY	GRAVEL	n/a	n/a	0	34 ft
2	LIMESTONE	n/a	n/a	n/a	34	35 ft

End of Record

17

Easting:	720141.10
Northing:	4929926.00
Elev (masl):	247.55

Latitude: 44.386448
Longitude: -78.384702

Well ID: 5106387

LOCATION

Lot: 013
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 11/05/1972
Received Date: 04/09/1973

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.6304
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 35 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10883141
Pump Test ID 995106387
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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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	930553741	6	inch	STEEL	n/a	48 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	n/a	BROWN	0	10 ft
2	CLAY	STONES	n/a	BLUE	10	46 ft
3	GRAVEL	n/a	n/a	BLUE	46	48 ft

End of Record

17

Easting:	709195.00
Northing:	4926103.00
Elev (masl):	252.02

Latitude: 44.387295
Longitude: -78.383974

Well ID: **5106628**

LOCATION

Lot: 013
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1921
Well Completion Date: 08/20/1973
Received Date: 11/12/1973

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.6304
Depth to Bedrock (m): 38
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLOUDY
Pump Set (m): n/a
SWL (ft) 10
Final Level: 47 ft
Pump Rate: 4 GPM
Recom. Rate: 4 GPM

Pipe ID: 10883381
Pump Test ID 995106628
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930554121	6	inch	STEEL	n/a	38 ft
2	930554122	6	inch	OPEN HOLE	n/a	48 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	n/a	YELLOW	0	36 ft
2	CLAY	GRAVEL	n/a	YELLOW	36	38 ft
3	LIMESTONE	n/a	n/a	GREY	38	48 ft

End of Record

17

Easting:	709065.00
Northing:	4925923.00
Elev (masl):	276.28

Latitude: 44.384237
Longitude: -78.37664

Well ID: **5106646**

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1666
Well Completion Date: 07/21/1972
Received Date: 08/16/1972

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 13.1064
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

TEST

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

Pipe ID: 10883399
Pump Test ID 995106646
Flowing: N

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PUMP

Final Level: 30 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pump Duration (hr): 4
Pump Duration (m): 0

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	930554150	6	inch	STEEL	n/a	43 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	n/a	n/a	GREY	0	40 ft
2	GRAVEL	n/a	n/a	n/a	40	43 ft

End of Record

17

Easting:	709005.00
Northing:	4926843.00
Elev (masl):	268.45

Latitude: 44.377005
Longitude: -78.385122

Well ID: 5106651

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1666
Well Completion Date: 07/16/1972
Received Date: 08/16/1972

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.1544
Depth to Bedrock (m): 50
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 25
Final Level: 30 ft
Pump Rate: 20 GPM
Recom. Rate: 10 GPM

Pipe ID: 10883404
Pump Test ID 995106651
Flowing: N
Pump Duration (hr): 6
Pump Duration (m): 0

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	930554157	6	inch	STEEL	n/a	53 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	n/a	n/a	GREY	0	50 ft
2	LIMESTONE	n/a	n/a	n/a	50	53 ft

End of Record

17

Easting:	708965.10
Northing:	4917863.00
Elev (masl):	267.49

Latitude: 44.388828
Longitude: -78.381721

Well ID: 5106753

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2104
Well Completion Date: 12/20/1973
Received Date: 01/23/1974

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 11.2776
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

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PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10883506
Pump Set (m):	n/a	**Pump Test ID**	995106753
SWL (ft)	12	**Flowing:**	N
Final Level:	30 ft	**Pump Duration (hr):**	1
Pump Rate:	4 GPM	**Pump Duration (m):**	0
Recom. Rate:	4 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	930554322	6	inch	STEEL	n/a	37 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	1 ft
2	GRAVEL	CLAY	n/a	GREY	1	36 ft
3	GRAVEL	n/a	n/a	BROWN	36	37 ft

End of Record

17

Easting:	711525.20
Northing:	4898953.00
Elev (masl):	245.87

Latitude: 44.383778
Longitude: -78.386076

Well ID: **5107461**

LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	2104
Township:	SMITH TOWNSHIP	**Well Completion Date:**	06/10/1975
Street:		**Received Date:**	06/23/1975
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	21.6408
Prim. Use:	n/a	**Depth to Bedrock (m):**	53
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10884181
Pump Set (m):	n/a	**Pump Test ID**	995107461
SWL (ft)	15	**Flowing:**	N
Final Level:	68 ft	**Pump Duration (hr):**	3
Pump Rate:	2 GPM	**Pump Duration (m):**	30
Recom. Rate:	2 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	930555455	6	inch	STEEL	n/a	53 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	SOFT	n/a	BROWN	0	1 ft
2	GRAVEL	CLAY	STONES	BROWN	1	12 ft
3	GRAVEL	CLAY	STONES	GREY	12	53 ft
4	LIMESTONE	HARD	n/a	GREY	53	71 ft

End of Record

17

Easting:	719285.30
Northing:	4909103.00
Elev (masl):	263.36

Latitude: 44.379674
Longitude: -78.383748

Well ID: **5107577**

LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	
Municipality:	PETERBOROUGH	**Contractor License:**	2104
Township:	SMITH TOWNSHIP	**Well Completion Date:**	09/05/1975
Street:		**Received Date:**	09/23/1975
City:	n/a		

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WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 21.336
Depth to Bedrock (m): 59
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 17
Final Level: 60 ft
Pump Rate: 8 GPM
Recom. Rate: 8 GPM

Pipe ID: 10884291
Pump Test ID 995107577
Flowing: N
Pump Duration (hr): 4
Pump Duration (m): 30

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	930555572	6	inch	STEEL	n/a	60 ft
2	930555573	6	inch	<null>	n/a	70 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	SOFT	n/a	BROWN	0	4 ft
2	CLAY	STONES	PACKED	GREY	4	47 ft
3	GRAVEL	CLAY	WATER-BEARING	GREY	47	59 ft
4	LIMESTONE	POROUS	HARD	GREY	59	70 ft

End of Record

17

Easting:	730645.10
Northing:	4959574.00
Elev (masl):	250.98

Latitude: 44.387782
Longitude: -78.384015

Well ID: **5107687**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1455
Well Completion Date: 09/27/1975
Received Date: 12/08/1975

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.24
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) n/a
Final Level: 40 ft
Pump Rate: n/a GPM
Recom. Rate: 5 GPM

Pipe ID: 10884400
Pump Test ID 995107687
Flowing: Y
Pump Duration (hr): 3
Pump Duration (m): 0

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	930555691	6	inch	STEEL	n/a	50 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	15 ft
3	CLAY	STONES	n/a	GREY	15	49 ft
4	SAND	GRAVEL	n/a	n/a	49	50 ft

End of Record

17

Easting:	705764.90
Northing:	4930474.00
Elev (masl):	261.01

Latitude: 44.382822
Longitude: -78.383608

Well ID: **5107699**

ON

Lot: 012
Con:

Tag:
Audit No:

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LOCATION

Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Contractor License: 2104
Well Completion Date: 11/10/1975
Received Date: 12/09/1975

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.6304
Depth to Bedrock (m): 40
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 5
Final Level: 38 ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 10884412
Pump Test ID 995107699
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 30

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	930555707	6	inch	STEEL	n/a	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	GRAVEL	CLAY	STONES	BROWN	0	20 ft
2	GRAVEL	CLAY	BOULDERS	GREY	20	40 ft
3	LIMESTONE	HARD	n/a	GREY	40	48 ft

End of Record

17

Easting:	710680.10
Northing:	4911323.00
Elev (masl):	252.92

Latitude: 44.384649
Longitude: -78.384782

Well ID: **5107892**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1455
Well Completion Date: 03/30/1976
Received Date: 05/05/1976

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 20.7264
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 58 ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 10884602
Pump Test ID 995107892
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 10

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	930555918	6	inch	STEEL	n/a	68 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	12 ft
3	CLAY	STONES	n/a	GREY	12	30 ft
4	CLAY	n/a	n/a	n/a	30	50 ft
5	CLAY	SANDY	n/a	n/a	50	66 ft
6	SAND	GRAVEL	n/a	n/a	66	68 ft

End of Record

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17		
	Easting:	719540.00
	Northing:	4930973.00
	Elev (masl):	258.25

Latitude: 44.384635
Longitude: -78.384155

Well ID: 5108035

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2104
Well Completion Date: 07/16/1976
Received Date: 07/23/1976

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 17.3736
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLOUDY
Pump Set (m): n/a
SWL (ft) 30
Final Level: 40 ft
Pump Rate: 20 GPM
Recom. Rate: 20 GPM

Pipe ID: 10884740
Pump Test ID 995108035
Flowing: N
Pump Duration (hr): 4
Pump Duration (m): 0

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	930556082	6	inch	STEEL	n/a	54 ft
2	930556083	6	inch	<null>	n/a	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	PREV. DRILLED	n/a	n/a	n/a	0	15 ft
2	SAND	CLAY	LOOSE	GREY	15	30 ft
3	CLAY	STONES	PACKED	GREY	30	54 ft
4	SAND	GRAVEL	WATER-BEARING	BROWN	54	57 ft

End of Record

17		
	Easting:	713035.10
	Northing:	4913148.00
	Elev (masl):	262.85

Latitude: 44.377918
Longitude: -78.385709

Well ID: 5108098

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 11/20/1975
Received Date: 09/16/1976

WELL

Well Status: Abandoned-Quality
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.24
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
1	CLAY	SAND	n/a	BROWN	0	20 ft
2	CLAY	n/a	n/a	GREY	20	48 ft
3	BOULDERS	n/a	n/a	n/a	48	50 ft

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End of Record

18

Easting:	263849.50
Northing:	4963042.00
Elev (masl):	264.28

Latitude: 44.377904
Longitude: -78.385082

Well ID: 5108126

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 12/03/1975
Received Date: 09/16/1976

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 11.8872
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLOUDY
Pump Set (m): n/a
SWL (ft) 27
Final Level: 30 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10884830
Pump Test ID 995108126
Flowing: N
Pump Duration (hr): 6
Pump Duration (m): 0

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	930556195	6	inch	STEEL	n/a	39 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	SAND	n/a	BROWN	0	20 ft
2	CLAY	STONES	n/a	GREY	20	37 ft
3	GRAVEL	CLAY	n/a	n/a	37	39 ft

End of Record

17

Easting:	705265.10
Northing:	4914048.00
Elev (masl):	260.43

Latitude: 44.382372
Longitude: -78.383628

Well ID: 5108127

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 05/12/1975
Received Date: 09/16/1976

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 18.288
Depth to Bedrock (m): 40
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 0
Final Level: 22 ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 10884831
Pump Test ID 995108127
Flowing: N
Pump Duration (hr): 30
Pump Duration (m): 0

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	930556196	6	inch	STEEL	n/a	40 ft
2	930556197	n/a	inch	OPEN HOLE	n/a	60 ft

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	16 ft
3	CLAY	STONES	n/a	GREY	16	35 ft
4	GRAVEL	CLAY	n/a	n/a	35	40 ft
5	LIMESTONE	n/a	n/a	GREY	40	60 ft

End of Record

17

Easting:	727715.10
Northing:	4951024.00
Elev (masl):	257.02

Latitude: 44.384368
Longitude: -78.384292

Well ID: 5108307

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1455
Well Completion Date: 10/04/1976
Received Date: 01/13/1977

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 21.336
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: n/a ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 10885011
Pump Test ID 995108307
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 10

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	930556411	6	inch	STEEL	n/a	65 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	n/a	n/a	BROWN	1	15 ft
3	CLAY	n/a	n/a	GREY	15	65 ft
4	SAND	GRAVEL	n/a	n/a	65	70 ft

End of Record

17

Easting:	709065.10
Northing:	4918948.00
Elev (masl):	281.33

Latitude: 44.383122
Longitude: -78.377067

Well ID: 5108381

LOCATION

Lot: 012
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2104
Well Completion Date: 05/02/1977
Received Date: 05/10/1977

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 31.0896
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 50
Final Level: 99 ft
Pump Rate: 7 GPM
Recom. Rate: 5 GPM

Pipe ID: 10885084
Pump Test ID 995108381
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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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	930556491	6	inch	STEEL	n/a	99 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	GRAVEL	STONES	BROWN	0	25 ft
2	CLAY	GRAVEL	STONES	GREY	25	99 ft
3	MEDIUM SAND	n/a	n/a	BROWN	99	102 ft

End of Record

17

Easting:	701454.90
Northing:	4938524.00
Elev (masl):	259.07

Latitude: 44.383286
Longitude: -78.384215

Well ID: 5108409

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 04/13/1977
Received Date: 06/15/1977

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 13.1064
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 7
Final Level: 30 ft
Pump Rate: 15 GPM
Recom. Rate: 5 GPM

Pipe ID: 10885111
Pump Test ID 995108409
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930556518	6	inch	STEEL	n/a	43 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	HARD	BROWN	0	16 ft
2	CLAY	STONES	HARD	BLUE	16	42 ft
3	COARSE GRAVEL	n/a	n/a	GREY	42	43 ft

End of Record

17

Easting:	707965.20
Northing:	4900523.00
Elev (masl):	253.36

Latitude: 44.382865
Longitude: -78.385489

Well ID: 5108572

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 07/28/1976
Received Date: 08/31/1977

WELL

Well Status: Abandoned-Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 19.812
Depth to Bedrock (m): 47
Depth to Water: ft
Water Kind: FRESH

TEST

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

Pipe ID: 10885273
Pump Test ID 995108572
Flowing: N

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PUMP

Final Level: 68 ft
Pump Rate: 1 GPM
Recom. Rate: 1 GPM

Pump Duration (hr): 10
Pump Duration (m): 0

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	930556723	6	inch	STEEL	n/a	47 ft
2	930556724	n/a	inch	OPEN HOLE	n/a	65 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	n/a	GREY	0	15 ft
2	CLAY	GRAVEL	PACKED	GREY	15	40 ft
3	FINE SAND	CLAY	n/a	BROWN	40	46 ft
4	FINE SAND	FINE GRAVEL	n/a	n/a	46	47 ft
5	LIMESTONE	n/a	n/a	GREY	47	65 ft

End of Record

18

Easting:	272870.70
Northing:	4930690.00
Elev (masl):	255.50

Latitude: 44.379282
Longitude: -78.386276

Well ID: 5108586

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 09/17/1976
Received Date: 08/31/1977

WELL

Well Status: Abandoned-Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 20.4216
Depth to Bedrock (m): 53
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
1	CLAY	GRAVEL	n/a	GREY	0	53 ft
2	LIMESTONE	n/a	n/a	GREY	53	67 ft

End of Record

18

Easting:	265520.60
Northing:	4912144.00
Elev (masl):	253.36

Latitude: 44.382865
Longitude: -78.385489

Well ID: 5108587

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 09/22/1976
Received Date: 08/31/1977

ELL

Well Status: Water Supply
Prim. Use:

Well Depth (m): 14.6304
Depth to Bedrock (m): n/a

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WE

Sec. Use: n/a
Boring Method: Cable Tool

Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 37 ft
Pump Rate: 6 GPM
Recom. Rate: 5 GPM

Pipe ID: 10885288
Pump Test ID 995108587
Flowing: N
Pump Duration (hr): 8
Pump Duration (m): 0

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	930556745	6	inch	STEEL	n/a	48 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	DARK-COLOURED	n/a	n/a	0	1 ft
2	CLAY	SAND	n/a	BROWN	1	10 ft
3	CLAY	GRAVEL	n/a	BROWN	10	47 ft
4	GRAVEL	n/a	n/a	n/a	47	48 ft

End of Record

17

Easting:	714784.10
Northing:	4915460.00
Elev (masl):	262.07

Latitude: 44.379253
Longitude: -78.385022

Well ID: **5108686**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 5102
Well Completion Date: 08/25/1977
Received Date: 09/19/1977

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 12.8016
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: Not stated

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 15
Final Level: 20 ft
Pump Rate: 10 GPM
Recom. Rate: 8 GPM

Pipe ID: 10885385
Pump Test ID 995108686
Flowing: N
Pump Duration (hr): 1
Pump Duration (m): 40

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	930556853	6	inch	STEEL	n/a	42 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	BOULDERS	n/a	BROWN	0	18 ft
2	CLAY	GRAVEL	n/a	GREY	18	36 ft
3	GRAVEL	n/a	n/a	BROWN	36	42 ft

End of Record

17

Easting:	726628.30
Northing:	4902556.00
Elev (masl):	255.01

Latitude: 44.385099
Longitude: -78.384762

Well ID: **5108727**

OCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:

Tag:
Audit No:
Contractor License: 2517
Well Completion Date: 06/23/1977
Received Date:

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L

City: n/a 11/16/1977

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 30.7848
Depth to Bedrock (m): 47
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 2
Final Level: 100 ft
Pump Rate: 2 GPM
Recom. Rate: 2 GPM

Pipe ID: 10885426
Pump Test ID 995108727
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

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	930556895	6	inch	STEEL	n/a	51 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BLACK	0	2 ft
2	CLAY	GRAVEL	STONES	GREY	2	47 ft
3	LIMESTONE	n/a	n/a	GREY	47	101 ft

End of Record

17

Easting:	710026.90
Northing:	4932413.00
Elev (masl):	268.51

Latitude: 44.377875
Longitude: -78.383828

Well ID: **5108741**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 2104
Well Completion Date: 11/14/1977
Received Date: 11/30/1977

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 25.6032
Depth to Bedrock (m): 70
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 28
Final Level: 80 ft
Pump Rate: 1 GPM
Recom. Rate: 1 GPM

Pipe ID: 10885440
Pump Test ID 995108741
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 30

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	930556909	6	inch	STEEL	n/a	70 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	SOFT	n/a	BROWN	0	1 ft
2	GRAVEL	CLAY	STONES	GREY	1	70 ft
3	LIMESTONE	HARD	n/a	GREY	70	84 ft

End of Record

17

Easting:	700388.90
Northing:	4935332.00
Elev (masl):	269.38

Latitude: 44.384113
Longitude: -78.38104

Well ID: **5109380**

ION

Lot: 012
Con:

Tag:
Audit No:

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LOCATION

Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Contractor License: 1904
Well Completion Date: 04/20/1978
Received Date: 02/07/1979

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.764
Depth to Bedrock (m): 52
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLOUDY
Pump Set (m): n/a
SWL (ft) 5
Final Level: 48 ft
Pump Rate: 4 GPM
Recom. Rate: 4 GPM

Pipe ID: 10886072
Pump Test ID 995109380
Flowing: N
Pump Duration (hr): 24
Pump Duration (m): 0

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	930557738	6	inch	STEEL	n/a	52 ft
2	930557739	n/a	inch	OPEN HOLE	n/a	55 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	GRAVEL	n/a	BROWN	2	15 ft
3	CLAY	GRAVEL	n/a	GREY	15	20 ft
4	SAND	GRAVEL	n/a	n/a	20	22 ft
5	CLAY	GRAVEL	n/a	GREY	22	41 ft
6	GRAVEL	CLAY	n/a	GREY	41	44 ft
7	SAND	CLAY	GRAVEL	GREY	44	50 ft
8	CLAY	SAND	GRAVEL	GREY	50	52 ft
9	LIMESTONE	n/a	n/a	GREY	52	55 ft

End of Record

18

Easting:	273079.70
Northing:	4930322.00
Elev (masl):	261.69

Latitude: 44.379703
Longitude: -78.385002

Well ID: **5109443**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4923
Well Completion Date: 10/16/1978
Received Date: 04/11/1979

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 17.6784
Depth to Bedrock (m): 54
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 2
Final Level: 30 ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 10886133
Pump Test ID 995109443
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 30

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	930557829	6	inch	STEEL	n/a	56 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	UNKNOWN TYPE	n/a	n/a	n/a	0	48 ft
2	GRAVEL	FINE SAND	n/a	GREY	48	54 ft

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3	LIMESTONE	SHALE	n/a	GREY	54	56	ft
4	LIMESTONE	n/a	n/a	GREY	56	58	ft

End of Record

17

Easting:	711435.20
Northing:	4910772.00
Elev (masl):	270.73

Latitude: 44.383649
Longitude: -78.380433

Well ID: **5109448**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4814
Well Completion Date: 08/01/1978
Received Date: 04/10/1979

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 22.86
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 40
Final Level: 45 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10886138
Pump Test ID 995109448
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930557837	6	inch	STEEL	n/a	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	CLAY	STONES	n/a	BROWN	0	20 ft
2	CLAY	STONES	n/a	GREY	20	40 ft
3	CLAY	STONES	SANDY	GREY	40	60 ft
4	FINE GRAVEL	COARSE GRAVEL	CLAY	GREY	60	70 ft
5	FINE GRAVEL	COARSE GRAVEL	SAND	n/a	70	75 ft

End of Record

17

Easting:	706965.10
Northing:	4919273.00
Elev (masl):	254.54

Latitude: 44.378397
Longitude: -78.386943

Well ID: **5109881**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 10/12/1979
Received Date: 06/02/1980

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 23.1648
Depth to Bedrock (m): 65
Depth to Water:
Water Kind:

PUMP TEST

Test Method: CLOUDY
Pump Set (m): n/a
SWL (ft) 8
Final Level: 62 ft
Pump Rate: 7 GPM
Recom. Rate: 5 GPM

Pipe ID: 10886536
Pump Test ID 995109881
Flowing: N
Pump Duration (hr): 10
Pump Duration (m): 0

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	930558269	n/a	inch	OPEN HOLE	n/a	76 ft

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	PREV. DRILLED	n/a	n/a	n/a	0	65 ft
2	LIMESTONE	n/a	n/a	GREY	65	76 ft

End of Record

17

Easting:	706465.10
Northing:	4917073.00
Elev (masl):	260.08

Latitude: 44.382386
Longitude: -78.384255

Well ID: 5110146

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 06/19/1980
Received Date: 02/09/1981

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: Domestic
Boring Method: Cable Tool

Well Depth (m): 18.8976
Depth to Bedrock (m): 44
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 8
Final Level: 40 ft
Pump Rate: 20 GPM
Recom. Rate: 5 GPM

Pipe ID: 10886797
Pump Test ID 995110146
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930558595	6	inch	STEEL	n/a	44 ft
2	930558596	n/a	inch	OPEN HOLE	n/a	62 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	PREVIOUSLY DUG	n/a	n/a	n/a	0	20 ft
2	CLAY	GRAVEL	STONES	GREY	20	38 ft
3	GRAVEL	CLAY	n/a	GREY	38	44 ft
4	LIMESTONE	n/a	n/a	GREY	44	62 ft

End of Record

17

Easting:	706615.10
Northing:	4915073.00
Elev (masl):	256.91

Latitude: 44.387768
Longitude: -78.383388

Well ID: 5110147

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 05/21/1980
Received Date: 02/09/1981

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.8496
Depth to Bedrock (m): 47
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 10
Final Level: 42 ft
Pump Rate: 7 GPM
Recom. Rate: 5 GPM

Pipe ID: 10886798
Pump Test ID 995110147
Flowing: N
Pump Duration (hr): 6
Pump Duration (m): 0

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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	930558597	n/a	inch	STEEL	n/a	47 ft
2	930558598	n/a	inch	OPEN HOLE	n/a	52 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	PREV. DRILLED	n/a	n/a	n/a	0	47 ft
2	LIMESTONE	n/a	n/a	GREY	47	52 ft

End of Record

17

Easting:	706115.10
Northing:	4920773.00
Elev (masl):	256.05

Latitude: 44.388218
Longitude: -78.383367

Well ID: 5110244

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 4713
Well Completion Date: 09/28/1979
Received Date: 05/20/1981

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.668
Depth to Bedrock (m): 33
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 1
Final Level: 25 ft
Pump Rate: 10 GPM
Recom. Rate: n/a GPM

Pipe ID: 10886894
Pump Test ID 995110244
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930558705	6	inch	STEEL	n/a	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	CLAY	STONES	HARD	BROWN	0	18 ft
2	CLAY	STONES	HARD	BLUE	18	33 ft
3	SHALE	GRAVEL	HARD	GREY	33	35 ft

End of Record

17

Easting:	712815.20
Northing:	4903923.00
Elev (masl):	263.23

Latitude: 44.382793
Longitude: -78.382354

Well ID: 5110795

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1921
Well Completion Date: 07/02/1982
Received Date: 05/12/1983

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 24.384
Depth to Bedrock (m): 55
Depth to Water: ft
Water Kind: SULPHUR

TEST

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

Pipe ID: 10887421
Pump Test ID 995110795
Flowing: N

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PUMP

Final Level: 60 ft
Pump Rate: 10 GPM
Recom. Rate: 8 GPM

Pump Duration (hr): 6
Pump Duration (m): 0

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	930559311	6	inch	STEEL	n/a	56 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BLACK	0	1 ft
2	CLAY	SANDY	n/a	BROWN	1	15 ft
3	SAND	CLAY	STONES	GREY	15	55 ft
4	LIMESTONE	n/a	n/a	GREY	55	80 ft

End of Record

17

Easting:	715615.00
Northing:	4940224.00
Elev (masl):	248.50

Latitude: 44.382879
Longitude: -78.386116

Well ID: 5111060

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 02/15/1983
Received Date: 04/26/1984

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 20.1168
Depth to Bedrock (m): 56
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 13
Final Level: 60 ft
Pump Rate: 2 GPM
Recom. Rate: 2 GPM

Pipe ID: 10887686
Pump Test ID 995111060
Flowing: N
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	930559586	6	inch	STEEL	n/a	56 ft
2	930559587	n/a	inch	OPEN HOLE	n/a	66 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	DARK-COLOURED	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	10 ft
3	BOULDERS	n/a	n/a	n/a	10	12 ft
4	CLAY	GRAVEL	n/a	GREY	12	19 ft
5	BOULDERS	n/a	n/a	n/a	19	22 ft
6	CLAY	GRAVEL	n/a	GREY	22	56 ft
7	LIMESTONE	n/a	n/a	GREY	56	66 ft

End of Record

17

Easting:	700764.90
Northing:	4933824.00
Elev (masl):	246.04

Latitude: 44.387347
Longitude: -78.384662

Well ID: 5111064

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 03/09/1984
Received Date: 04/26/1984

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WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 17.3736
Depth to Bedrock (m): 39
Depth to Water: ft
Water Kind: Not stated

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 8
Final Level: 37 ft
Pump Rate: 11 GPM
Recom. Rate: 5 GPM

Pipe ID: 10887690
Pump Test ID 995111064
Flowing: N
Pump Duration (hr): 10
Pump Duration (m): 0

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	930559594	6	inch	STEEL	n/a	20 ft
2	930559595	6	inch	OPEN HOLE	n/a	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	TOPSOIL	DARK-COLOURED	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	36 ft
3	CLAY	GRAVEL	n/a	GREY	36	39 ft
4	LIMESTONE	n/a	n/a	GREY	39	57 ft

End of Record

17

Easting:	706815.10
Northing:	4914873.00
Elev (masl):	262.16

Latitude: 44.378368
Longitude: -78.385689

Well ID: **5111079**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 10/05/1983
Received Date: 04/26/1984

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: Domestic
Boring Method: Cable Tool

Well Depth (m): 17.6784
Depth to Bedrock (m): 39
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 25
Final Level: 30 ft
Pump Rate: 30 GPM
Recom. Rate: 5 GPM

Pipe ID: 10887705
Pump Test ID 995111079
Flowing: N
Pump Duration (hr): 4
Pump Duration (m): 48

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	930559628	6	inch	STEEL	n/a	39 ft
2	930559629	n/a	inch	OPEN HOLE	n/a	58 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	DARK-COLOURED	n/a	n/a	0	1 ft
2	CLAY	STONES	PACKED	BROWN	1	39 ft
3	LIMESTONE	n/a	n/a	GREY	39	58 ft

End of Record

17

Easting:	726362.30
Northing:	4902724.00
Elev (masl):	260.58

Latitude: 44.381037
Longitude: -78.384315

Well ID: **5111080**

ON

Lot: 012
Con:

Tag:
Audit No:

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LOCATION

Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Contractor License: 1904
Well Completion Date: 12/02/1983
Received Date: 04/26/1984

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.1544
Depth to Bedrock (m): 41
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 16
Final Level: 30 ft
Pump Rate: 36 GPM
Recom. Rate: 5 GPM

Pipe ID: 10887706
Pump Test ID 995111080
Flowing: N
Pump Duration (hr): 4
Pump Duration (m): 0

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	930559630	6	inch	STEEL	n/a	42 ft
2	930559631	6	inch	OPEN HOLE	n/a	53 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	GRAVEL	BROWN	1	20 ft
3	CLAY	GRAVEL	SILT	GREY	20	36 ft
4	FINE GRAVEL	n/a	n/a	n/a	36	41 ft
5	SHALE	LIMESTONE	n/a	n/a	41	42 ft
6	LIMESTONE	n/a	n/a	GREY	42	53 ft

End of Record

17

Easting:	697915.10
Northing:	4900133.00
Elev (masl):	248.65

Latitude: 44.385998
Longitude: -78.384722

Well ID: **5111199**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1921
Well Completion Date: 10/28/1983
Received Date: 09/05/1984

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 11.5824
Depth to Bedrock (m): 37
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 7
Final Level: 8 ft
Pump Rate: 20 GPM
Recom. Rate: 8 GPM

Pipe ID: 10887825
Pump Test ID 995111199
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 30

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	930559754	6	inch	STEEL	n/a	37 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BLUE	0	2 ft
2	CLAY	SANDY	n/a	BROWN	2	12 ft
3	CLAY	STONES	SANDY	BROWN	12	22 ft
4	CLAY	STONES	SANDY	GREY	22	34 ft
5	CLAY	SANDY	n/a	BROWN	34	37 ft

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6	LIMESTONE	SHALE	n/a	GREY	37	38	ft

End of Record

17

Easting:	705725.20
Northing:	4887683.00
Elev (masl):	247.55

Latitude: 44.386448
Longitude: -78.384702

Well ID: **5111204**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1921
Well Completion Date: 06/12/1984
Received Date: 09/05/1984

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 12.8016
Depth to Bedrock (m): 30
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 7
Final Level: 27 ft
Pump Rate: 10 GPM
Recom. Rate: 6 GPM

Pipe ID: 10887830
Pump Test ID 995111204
Flowing: N
Pump Duration (hr): 8
Pump Duration (m): 30

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	930559759	6	inch	STEEL	n/a	38 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BLUE	0	1 ft
2	CLAY	STONES	SANDY	BROWN	1	8 ft
3	CLAY	STONES	SANDY	GREY	8	30 ft
4	SHALE	LIMESTONE	n/a	WHITE	30	31 ft
5	SHALE	CLAY	n/a	GREY	31	35 ft
6	GRAVEL	SHALE	CLAY	BROWN	35	37 ft
7	LIMESTONE	n/a	n/a	GREY	37	38 ft
8	SHALE	ROCK	n/a	GREY	38	42 ft

End of Record

17

Easting:	732565.10
Northing:	4952374.00
Elev (masl):	263.91

Latitude: 44.381763
Longitude: -78.382199

Well ID: **5111347**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 10/19/1984
Received Date: 03/21/1985

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.4592
Depth to Bedrock (m): 41
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 25
Final Level: 40 ft
Pump Rate: 22 GPM
Recom. Rate: 5 GPM

Pipe ID: 10887972
Pump Test ID 995111347
Flowing: N
Pump Duration (hr): 10
Pump Duration (m): 0

CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth

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1	930559947	6	inch	STEEL	n/a	46	ft
2	930559948	n/a	inch	OPEN HOLE	n/a	54	ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	BOULDERS	STONES	BROWN	1	34 ft
3	CLAY	GRAVEL	n/a	GREY	34	41 ft
4	SHALE	CLAY	GRAVEL	GREY	41	46 ft
5	LIMESTONE	n/a	n/a	GREY	46	54 ft

End of Record

17

Easting:	715315.10
Northing:	4921373.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: **5111737**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No:
Contractor License: 1904
Well Completion Date: 09/13/1985
Received Date: 04/01/1986

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 12.192
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 17
Final Level: 27 ft
Pump Rate: 27 GPM
Recom. Rate: 5 GPM

Pipe ID: 10888362
Pump Test ID 995111737
Flowing: N
Pump Duration (hr): 4
Pump Duration (m): 0

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	930560435	6	inch	STEEL	n/a	34 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	GRAVEL	n/a	BROWN	0	34 ft
2	FINE GRAVEL	n/a	n/a	n/a	34	40 ft

End of Record

17

Easting:	724615.30
Northing:	4907973.00
Elev (masl):	262.02

Latitude: 44.380043
Longitude: -78.37433

Well ID: **5111843**

LOCATION

Lot: 012
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: NA
Contractor License: 3367
Well Completion Date: 06/27/1986
Received Date: 07/15/1986

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 22.86
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

MP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 25
Final Level: 66

Pipe ID: 10888468
Pump Test ID 995111843
Flowing: N
Pump Duration (hr): 1

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PUMP

Pump Rate: 5 GPM
Recom. Rate: 4 GPM

Pump Duration (m): 45

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	930560569	6	inch	STEEL	n/a	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	SAND	SOFT	n/a	BROWN	0	1 ft
2	TOPSOIL	SOFT	n/a	GREY	1	2 ft
3	CLAY	GRAVEL	STONES	BROWN	2	19 ft
4	CLAY	GRAVEL	STONES	GREY	19	33 ft
5	CLAY	GRAVEL	n/a	GREY	33	74 ft
6	GRAVEL	COARSE SAND	n/a	BROWN	74	75 ft

End of Record

17

Easting:	701014.90
Northing:	4925624.00
Elev (masl):	263.91

Latitude: 44.381763
Longitude: -78.382199

Well ID: 5111973

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: NA
Contractor License: 1921
Well Completion Date: 03/15/1985
Received Date: 09/19/1986

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.1544
Depth to Bedrock (m): 43
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 8
Final Level: 17 ft
Pump Rate: 10 GPM
Recom. Rate: 8 GPM

Pipe ID: 10888595
Pump Test ID 995111973
Flowing: N
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	930560702	6	inch	STEEL	n/a	43 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	2 ft
2	CLAY	SANDY	n/a	BROWN	2	18 ft
3	CLAY	SANDY	STONES	GREY	18	30 ft
4	CLAY	SANDY	n/a	BROWN	30	38 ft
5	COARSE GRAVEL	SANDY	CLAY	BROWN	38	43 ft
6	LIMESTONE	STONES	SHALE	GREY	43	44 ft
7	LIMESTONE	STONES	ROCK	GREY	44	53 ft

End of Record

17

Easting:	713714.00
Northing:	4938023.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: 5111988

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: NA
Contractor License: 2104
Well Completion Date: 08/26/1986
Received Date: 09/17/1986

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WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 12.4968
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: Not stated

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 14
Final Level: 22 ft
Pump Rate: 8 GPM
Recom. Rate: n/a GPM

Pipe ID: 10888610
Pump Test ID 995111988
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 20

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	930560725	6	inch	STEEL	n/a	41 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	MEDIUM-GRAINED	n/a	BROWN	0	1 ft
2	CLAY	MEDIUM-GRAINED	n/a	BROWN	1	5 ft
3	GRAVEL	CLAY	STONES	GREY	5	39 ft
4	COARSE GRAVEL	n/a	n/a	BROWN	39	41 ft

End of Record

17

Easting:	699013.90
Northing:	4940623.00
Elev (masl):	263.91

Latitude: 44.381763
Longitude: -78.382199

Well ID: **5111990**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: NA
Contractor License: 4923
Well Completion Date: 08/09/1986
Received Date: 09/23/1986

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 19.812
Depth to Bedrock (m): 59
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 8
Final Level: 40 ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 10888612
Pump Test ID 995111990
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 30

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	930560727	6	inch	STEEL	n/a	60 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BLACK	0	1 ft
2	CLAY	STONES	n/a	GREY	1	59 ft
3	LIMESTONE	SHALE	n/a	GREY	59	60 ft
4	LIMESTONE	LAYERED	n/a	GREY	60	65 ft

End of Record

17

Easting:	705014.90
Northing:	4942124.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: **5112116**

TION

Lot: 012
Con: n/a
Municipality:

Tag:
Audit No: 05739
Contractor License: 2104

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LOCA

Township: SMITH TOWNSHIP
Street:
City: n/a

Well Completion Date: 12/03/1986
Received Date: 12/17/1986

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 33.528
Depth to Bedrock (m): 67
Depth to Water: ft
Water Kind: Not stated

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 35
Final Level: 95 ft
Pump Rate: 4 GPM
Recom. Rate: 4 GPM

Pipe ID: 10888736
Pump Test ID 995112116
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	PREV. DRILLED	n/a	n/a	n/a	0	67 ft
2	LIMESTONE	POROUS	HARD	GREY	67	110 ft

End of Record

17

Easting:	732366.00
Northing:	4912117.00
Elev (masl):	263.91

Latitude: 44.381763
Longitude: -78.382199

Well ID: 5112410

LOCATION

Lot: n/a
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: NA
Contractor License: 4814
Well Completion Date: 08/28/1986
Received Date: 06/16/1987

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.4592
Depth to Bedrock (m): 51
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 16
Final Level: 22 ft
Pump Rate: 18 GPM
Recom. Rate: 6 GPM

Pipe ID: 10889030
Pump Test ID 995112410
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930561194	6	inch	STEEL	n/a	51 ft
2	930561195	6	inch	OPEN HOLE	n/a	54 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	CLAY	FILL	BROWN	0	4 ft
2	CLAY	STONES	n/a	BROWN	4	18 ft
3	CLAY	STONES	n/a	GREY	18	26 ft
4	GRAVEL	STONES	n/a	GREY	26	38 ft
5	CLAY	GRAVEL	n/a	GREY	38	46 ft
6	GRAVEL	n/a	n/a	GREY	46	51 ft
7	LIMESTONE	ROCK	n/a	GREY	51	54 ft

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End of Record

17

Easting:	709164.10
Northing:	4918647.00
Elev (masl):	263.91

Latitude: 44.381763
Longitude: -78.382199

Well ID: 5112681

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 12844
Contractor License: 1672
Well Completion Date: 08/22/1987
Received Date: 10/01/1987

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.144
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 4
Final Level: 12 ft
Pump Rate: 6 GPM
Recom. Rate: 5 GPM

Pipe ID: 10889300
Pump Test ID 995112681
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930561476	6	inch	STEEL	n/a	30 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	2 ft
2	CLAY	SAND	n/a	n/a	2	8 ft
3	SAND	GRAVEL	n/a	n/a	8	30 ft

End of Record

18

Easting:	271529.70
Northing:	4947772.00
Elev (masl):	263.91

Latitude: 44.381763
Longitude: -78.382199

Well ID: 5112921

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: NA
Contractor License: 1921
Well Completion Date: 02/26/1987
Received Date: 01/26/1988

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.6304
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 5
Final Level: 12 ft
Pump Rate: 20 GPM
Recom. Rate: 10 GPM

Pipe ID: 10889538
Pump Test ID 995112921
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 30

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	930561728	6	inch	<null>	n/a	48 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	1 ft
2	SAND	BOULDERS	n/a	BROWN	1	15 ft

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3	CLAY	SANDY	STONES	GREY	15	44	ft
4	GRAVEL	SANDY	CLAY	BROWN	44	48	ft

End of Record

17

Easting:	728165.10
Northing:	4923623.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: 5112971

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 23945
Contractor License: 2104
Well Completion Date: 01/12/1988
Received Date: 02/16/1988

WELL

Well Status: <null>
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Air)

Well Depth (m): 9.144
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: Not stated

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: 10889588
Pump Test ID 995112971
Flowing: N
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	930561784	6	inch	STEEL	n/a	30	ft
2	930561785	6	inch	<null>	n/a	30	ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth	
1	CLAY	MEDIUM GRAVEL	n/a	BROWN	0	30	ft

End of Record

17

Easting:	703265.10
Northing:	4913273.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: 5112972

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 23946
Contractor License: 2104
Well Completion Date: 01/12/1988
Received Date: 02/16/1988

WELL

Well Status: <null>
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Air)

Well Depth (m): 9.144
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: Not stated

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: 10889589
Pump Test ID 995112972
Flowing: N
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	930561786	6	inch	STEEL	n/a	30	ft
2	930561787	6	inch	<null>	n/a	30	ft

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	MEDIUM GRAVEL	n/a	BROWN	0	30 ft

End of Record

17

Easting:	726715.30
Northing:	4902723.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: 5113048

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 21732
Contractor License: 2104
Well Completion Date: 03/03/1988
Received Date: 04/08/1988

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Air)

Well Depth (m): 39.0144
Depth to Bedrock (m): 63
Depth to Water: ft
Water Kind: Not stated

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 125 ft
Pump Rate: 1 GPM
Recom. Rate: 1 GPM

Pipe ID: 10889665
Pump Test ID 995113048
Flowing: N
Pump Duration (hr): 4
Pump Duration (m): 30

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	930561862	6	inch	STEEL	n/a	63 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	MEDIUM-GRAINED	n/a	GREY	0	31 ft
2	CLAY	STONES	DENSE	GREY	31	62 ft
3	GRAVEL	LOOSE	n/a	GREY	62	63 ft
4	LIMESTONE	LAYERED	n/a	GREY	63	128 ft

End of Record

17

Easting:	726415.30
Northing:	4911823.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: 5113049

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 21733
Contractor License: 2104
Well Completion Date: 03/03/1987
Received Date: 04/08/1988

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Air)

Well Depth (m): 26.2128
Depth to Bedrock (m): 60
Depth to Water: ft
Water Kind: Not stated

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 6
Final Level: 85 ft
Pump Rate: 1 GPM
Recom. Rate: 1 GPM

Pipe ID: 10889666
Pump Test ID 995113049
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 0

CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

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Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
1	930561863	6	inch	STEEL	n/a	60 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	MEDIUM-GRAINED	n/a	GREY	0	27 ft
2	CLAY	STONES	DENSE	GREY	27	59 ft
3	GRAVEL	LOOSE	n/a	GREY	59	60 ft
4	LIMESTONE	LAYERED	n/a	GREY	60	86 ft

End of Record

17

Easting:	714315.00
Northing:	4955374.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: 5113054

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 21748
Contractor License: 2104
Well Completion Date: 03/16/1988
Received Date: 04/11/1988

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 15.5448
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: Not stated

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 0
Final Level: 39 ft
Pump Rate: 15 GPM
Recom. Rate: 12 GPM

Pipe ID: 10889671
Pump Test ID 995113054
Flowing: N
Pump Duration (hr): 5
Pump Duration (m): 30

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	930561869	6	inch	STEEL	n/a	51 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	MEDIUM-GRAINED	n/a	BROWN	0	6 ft
2	STONES	SAND	GRAVEL	BROWN	6	22 ft
3	GRAVEL	MEDIUM SAND	CLAY	BROWN	22	51 ft

End of Record

18

Easting:	277629.70
Northing:	4930522.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: 5113411

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: NA
Contractor License: 2104
Well Completion Date: 10/03/1988
Received Date: 10/31/1988

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 44.196
Depth to Bedrock (m): 85
Depth to Water: ft
Water Kind: Not stated

UMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 25
Final Level: 143 ft
Pump Rate: 1

Pipe ID: 10890027
Pump Test ID 995113411
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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PI

Recom. Rate: 1 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

FORMATION DETAILS

Layer 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	PREV. DRILLED	n/a	n/a	n/a	0	85 ft
2	LIMESTONE	POROUS	n/a	GREY	85	145 ft

End of Record

17

Easting:	710715.10
Northing:	4911623.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: 5113705

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: NA
Contractor License: 4814
Well Completion Date: 11/18/1988
Received Date: 02/09/1989

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 16.4592
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) -18
Final Level: 6 ft
Pump Rate: 11 GPM
Recom. Rate: 6 GPM

Pipe ID: 10890321
Pump Test ID 995113705
Flowing: Y
Pump Duration (hr): 2
Pump Duration (m): 0

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	930562557	6	inch	STEEL	n/a	54 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	16 ft
3	CLAY	STONES	n/a	GREY	16	32 ft
4	FINE GRAVEL	COARSE GRAVEL	STONES	n/a	32	44 ft
5	GRAVEL	CLAY	n/a	GREY	44	50 ft
6	FINE GRAVEL	COARSE GRAVEL	n/a	n/a	50	54 ft

End of Record

17

Easting:	708705.10
Northing:	4918491.00
Elev (masl):	262.02

Latitude: 44.380043
Longitude: -78.37433

Well ID: 5114122

LOCATION

Lot: 012
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 27538
Contractor License: 1921
Well Completion Date: 05/23/1989
Received Date: 10/16/1989

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 21.0312
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

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PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10890737
Pump Set (m):	n/a	**Pump Test ID**	995114122
SWL (ft)	15	**Flowing:**	N
Final Level:	n/a ft	**Pump Duration (hr):**	2
Pump Rate:	7 GPM	**Pump Duration (m):**	30
Recom. Rate:	6 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	930563008	6	inch	STEEL	n/a	70 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	MUCK	n/a	n/a	BLUE	0	4 ft
2	FILL	n/a	n/a	BROWN	4	6 ft
3	CLAY	SANDY	STONES	BROWN	6	20 ft
4	CLAY	STONES	n/a	GREY	20	45 ft
5	SAND	GRAVEL	n/a	GREY	45	69 ft

End of Record

17

Easting:	700406.10
Northing:	4903309.00
Elev (masl):	262.02

Latitude: 44.380043
Longitude: -78.37433

Well ID: 5114124

LOCATION

Lot:	012	**Tag:**	
Con:	06	**Audit No:**	27539
Municipality:	PETERBOROUGH	**Contractor License:**	1921
Township:	SMITH TOWNSHIP	**Well Completion Date:**	05/18/1989
Street:		**Received Date:**	10/16/1989
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	19.2024
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10890739
Pump Set (m):	n/a	**Pump Test ID**	995114124
SWL (ft)	7	**Flowing:**	N
Final Level:	58 ft	**Pump Duration (hr):**	n/a
Pump Rate:	6 GPM	**Pump Duration (m):**	n/a
Recom. Rate:	5 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	930563010	8	inch	OPEN HOLE	n/a	20 ft
2	930563011	6	inch	STEEL	n/a	63 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	n/a	n/a	BROWN	0	3 ft
2	MUCK	n/a	n/a	BLUE	3	8 ft
3	CLAY	SANDY	STONES	BROWN	8	60 ft
4	GRAVEL	SANDY	CLAY	BROWN	60	63 ft

End of Record

17

Easting:	708711.20
Northing:	4895705.00
Elev (masl):	262.02

Latitude: 44.380043
Longitude: -78.37433

Well ID: 5114134

OCATION

Lot:	012	**Tag:**	
Con:	06	**Audit No:**	64201
Municipality:	PETERBOROUGH	**Contractor License:**	1921
Township:	SMITH TOWNSHIP	**Well Completion Date:**	09/27/1989
Street:		**Received Date:**	

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City: n/a 10/13/1989

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 20.4216
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 45 ft
Pump Rate: 10 GPM
Recom. Rate: 8 GPM

Pipe ID: 10890749
Pump Test ID 995114134
Flowing: N
Pump Duration (hr): 3
Pump Duration (m): 30

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	930563022	6	inch	<null>	n/a	68 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	FILL	n/a	n/a	BROWN	0	4 ft
2	CLAY	SANDY	STONES	BROWN	4	20 ft
3	CLAY	SANDY	STONES	GREY	20	66 ft
4	GRAVEL	SANDY	n/a	BROWN	66	67 ft

End of Record

18

Easting:	265227.60
Northing:	4922520.00
Elev (masl):	262.02

Latitude: 44.380043
Longitude: -78.37433

Well ID: **5114476**

LOCATION

Lot: 012
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: NA
Contractor License: 1921
Well Completion Date: 10/30/1989
Received Date: 04/12/1990

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 10.668
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 16 ft
Pump Rate: 10 GPM
Recom. Rate: 5 GPM

Pipe ID: 10891091
Pump Test ID 995114476
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930563390	8	inch	OPEN HOLE	n/a	21 ft
2	930563391	6	inch	STEEL	n/a	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	CLAY	SANDY	STONES	BROWN	0	22 ft
2	GRAVEL	SAND	n/a	BROWN	22	35 ft

End of Record

17

Easting:	708705.10
Northing:	4918491.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: **5114518**

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LOCATION

Lot:
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 76354
Contractor License: 2104
Well Completion Date: 04/24/1990
Received Date: 05/16/1990

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.4488
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: Not stated

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 0
Final Level: 21 ft
Pump Rate: 15 GPM
Recom. Rate: 15 GPM

Pipe ID: 10891133
Pump Test ID 995114518
Flowing: N
Pump Duration (hr): 1
Pump Duration (m): 0

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	930563438	6	inch	STEEL	n/a	27 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	2 ft
2	CLAY	GRAVEL	SAND	GREY	2	25 ft
3	SAND	n/a	n/a	BROWN	25	31 ft

End of Record

17

Easting:	707038.10
Northing:	4919681.00
Elev (masl):	263.91

Latitude: 44.381763
Longitude: -78.382199

Well ID: **5115847**

LOCATION

Lot: n/a
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 110230
Contractor License: 4814
Well Completion Date: 09/26/1991
Received Date: 05/06/1992

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 14.0208
Depth to Bedrock (m): 34
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 24
Final Level: 30 ft
Pump Rate: 11 GPM
Recom. Rate: 6 GPM

Pipe ID: 10892461
Pump Test ID 995115847
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930564969	6	inch	STEEL	n/a	34 ft
2	930564970	6	inch	OPEN HOLE	n/a	46 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	5 ft
2	CLAY	STONES	n/a	BROWN	5	18 ft
3	CLAY	STONES	n/a	GREY	18	30 ft
4	GRAVEL	STONES	n/a	GREY	30	34 ft
5	LIMESTONE	ROCK	n/a	GREY	34	46 ft

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n/a

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

Latitude: 44.382289
Longitude: -78.383922

Well ID: 5116173

LOCATION

Lot:	012	**Tag:**	
Con:	04	**Audit No:**	107254
Municipality:	PETERBOROUGH	**Contractor License:**	1455
Township:	SMITH TOWNSHIP	**Well Completion Date:**	05/19/1992
Street:		**Received Date:**	03/03/1993
City:	n/a		

WELL

Well Status:	Water Supply	**Well Depth (m):**	16.1544
Prim. Use:	n/a	**Depth to Bedrock (m):**	53
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	10892787
Pump Set (m):	n/a	**Pump Test ID**	995116173
SWL (ft)	22	**Flowing:**	N
Final Level:	42 ft	**Pump Duration (hr):**	2
Pump Rate:	5 GPM	**Pump Duration (m):**	0
Recom. Rate:	4 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	930565373	6	inch	STEEL	n/a	50 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	CLAY	STONES	FILL	BROWN	0	7 ft
2	CLAY	STONES	n/a	BROWN	7	17 ft
3	CLAY	STONES	n/a	GREY	17	50 ft
4	SAND	GRAVEL	CLAY	n/a	50	51 ft
5	SAND	GRAVEL	n/a	n/a	51	53 ft
6	LIMESTONE	ROCK	n/a	GREY	n/a	n/a ft

17

Easting:	740302.20
Northing:	4966090.00
Elev (masl):	263.91

Latitude: 44.381763
Longitude: -78.382199

Well ID: 5116179

LOCATION

Lot:	012	**Tag:**	
Con:	n/a	**Audit No:**	107292
Municipality:	PETERBOROUGH	**Contractor License:**	1455
Township:	SMITH TOWNSHIP	**Well Completion Date:**	09/21/1992
Street:		**Received Date:**	03/03/1993
City:	n/a		

WELL

Well Status:	Abandoned-Supply	**Well Depth (m):**	0
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	
Boring Method:	Not Known	**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	930565379	30	inch	<null>	n/a	n/a ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

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Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth

End of Record

17

Easting:	721141.00
Northing:	4932305.00
Elev (masl):	265.98

Latitude: 44.374462
Longitude: -78.378283

Well ID: 5117072

LOCATION

Lot: 011
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 163792
Contractor License: 2104
Well Completion Date: 10/02/1995
Received Date: 10/05/1995

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 23.1648
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: Not stated

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 25
Final Level: 68 ft
Pump Rate: 4 GPM
Recom. Rate: 4 GPM

Pipe ID: 10893676
Pump Test ID 995117072
Flowing: N
Pump Duration (hr): 1
Pump Duration (m): 30

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	930566534	6	inch	STEEL	n/a	72 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	BOULDERS	HARD	BROWN	0	18 ft
2	CLAY	HARDPAN	MEDIUM GRAVEL	GREY	18	72 ft
3	GRAVEL	SAND	WATER-BEARING	GREY	72	76 ft

End of Record

18

Easting:	276543.70
Northing:	4936530.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: 5117073

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 163791
Contractor License: 2104
Well Completion Date: 09/28/1995
Received Date: 10/04/1995

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Rotary (Air)

Well Depth (m): 12.192
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: Not stated

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 18
Final Level: 32 ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 10893677
Pump Test ID 995117073
Flowing: N
Pump Duration (hr): 4
Pump Duration (m): 0

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	930566535	6	inch	STEEL	n/a	40 ft

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	SAND	n/a	n/a	BROWN	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	35 ft
3	CLAY	STONES	GRAVEL	GREY	35	40 ft

End of Record

17

Easting:	703419.90
Northing:	4934216.00
Elev (masl):	262.02

Latitude: 44.380043
Longitude: -78.37433

Well ID: 5117716

LOCATION

Lot: 012
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 180137
Contractor License: 1455
Well Completion Date: 08/22/1997
Received Date: 01/22/1998

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 19.2024
Depth to Bedrock (m): 57
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 7
Final Level: 55 ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 10894315
Pump Test ID 995117716
Flowing: N
Pump Duration (hr): 4
Pump Duration (m): 30

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	930567441	6	inch	STEEL	n/a	47 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	24 ft
3	CLAY	STONES	n/a	GREY	24	45 ft
4	SAND	n/a	n/a	BROWN	45	51 ft
5	CLAY	n/a	n/a	GREY	51	57 ft
6	LIMESTONE	n/a	n/a	GREY	57	63 ft

End of Record

17

Easting:	708351.20
Northing:	4900067.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: 5118153

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 199272
Contractor License: 2104
Well Completion Date: 07/22/1999
Received Date: 07/27/1999

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 13.716
Depth to Bedrock (m): 40
Depth to Water: ft
Water Kind: FRESH

UMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 12
Final Level: 23 ft
Pump Rate: 5

Pipe ID: 10894752
Pump Test ID 995118153
Flowing: N
Pump Duration (hr): 4
Pump Duration (m): 0

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PI

Recom. Rate: 5 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	930568095	6	inch	STEEL	n/a	45 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BLACK	0	1 ft
2	CLAY	STONES	n/a	GREY	1	40 ft
3	SHALE	GRAVEL	n/a	GREY	40	45 ft

End of Record

17

Easting:	713477.00
Northing:	4930927.00
Elev (masl):	263.98

Latitude: 44.381762
Longitude: -78.382164

Well ID: **5118414**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 190838
Contractor License: 1455
Well Completion Date: 02/02/1999
Received Date: 03/09/2000

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 21.0312
Depth to Bedrock (m): 41
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 20
Final Level: 60 ft
Pump Rate: 4 GPM
Recom. Rate: 3 GPM

Pipe ID: 10895013
Pump Test ID 995118414
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

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	930568464	6	inch	STEEL	n/a	43 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	BROWN	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	14 ft
3	CLAY	STONES	n/a	GREY	14	41 ft
4	CLAY	SHALE	ROCK	GREY	41	43 ft
5	LIMESTONE	ROCK	n/a	GREY	43	69 ft

End of Record

17

Easting:	730450.10
Northing:	4959716.00
Elev (masl):	263.91

Latitude: 44.381763
Longitude: -78.382202

Well ID: **5118538**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 220995
Contractor License: 2104
Well Completion Date: 10/04/2000
Received Date: 10/13/2000

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Not Known

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

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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	930568648	6	inch	STEEL	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

17

Easting:	691201.10
Northing:	4956452.00
Elev (masl):	260.80

Latitude: 44.381329
Longitude: -78.383701

Well ID: 5119394

LOCATION

Lot: 011
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: 234588
Contractor License: 1455
Well Completion Date: 06/25/2002
Received Date: 02/07/2003

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 25.2984
Depth to Bedrock (m): 62
Depth to Water:
Water Kind:

PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 41
Final Level: 70 ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 11089372
Pump Test ID 995119394
Flowing: N
Pump Duration (hr): 2
Pump Duration (m): 0

CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	24 ft
3	CLAY	STONES	n/a	GREY	24	40 ft
4	CLAY	STONES	n/a	BROWN	40	62 ft
5	GRAVEL	ROCK	LIMESTONE	n/a	62	63 ft
6	LIMESTONE	ROCK	n/a	GREY	63	83 ft

End of Record

17

Easting:	718680.10
Northing:	4928395.00
Elev (masl):	267.58

Latitude: 44.378203
Longitude: -78.384003

Well ID: 5120154

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: 1815 CHARLES STREET
City: BRIDGEWORTH

Tag: A015334
Audit No: Z15363
Contractor License: 1455
Well Completion Date: 09/01/2004
Received Date: 01/27/2005

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WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 40.8
Depth to Bedrock (m): 67
Depth to Water: m
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): 28
SWL (ft) 5.2
Final Level: 14.6m
Pump Rate: 13.6LPM
Recom. Rate: 13.6LPM

Pipe ID: 11344442
Pump Test ID 11354011
Flowing: n/a
Pump Duration (hr): 1
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	930867132	15.9	cm	STEEL	0	20.4	m
2	930867133	n/a	cm	OPEN HOLE	20.4	40.8	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	TOPSOIL	SAND	n/a	BROWN	0	0.9	m
2	CLAY	n/a	n/a	BROWN	0.9	2.8	m
3	CLAY	GRAVEL	n/a	BROWN	2.8	5.4	m
4	CLAY	SAND	n/a	BROWN	5.4	10.7	m
5	CLAY	GRAVEL	SAND	GREY	10.7	19	m
6	CLAY	GRAVEL	BOULDERS	GREY	19	20.4	m
7	LIMESTONE	ROCK	n/a	GREY	20.4	40.8	m

End of Record

17

Easting:	710873.00
Northing:	4959414.00
Elev (masl):	255.34

Latitude: 44.382016
Longitude: -78.38539

Well ID: **5120157**

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: 1069 GORE STREET
City: BRIDGEWORTH

Tag: A015296
Audit No: Z15372
Contractor License: 1455
Well Completion Date: 09/23/2004
Received Date: 01/27/2005

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 18
Depth to Bedrock (m): 41
Depth to Water: m
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): 15
SWL (ft) 2
Final Level: 4.6 m
Pump Rate: 56.8LPM
Recom. Rate: 48.4LPM

Pipe ID: 11344445
Pump Test ID 11354014
Flowing: n/a
Pump Duration (hr): 1
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	930867138	15.9	cm	STEEL	0	13.3	m
2	930867139	n/a	cm	OPEN HOLE	13.3	18.8	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	TOPSOIL	n/a	n/a	BROWN	0	0.9	m
2	CLAY	n/a	n/a	BROWN	0.9	5	m
3	GRAVEL	n/a	n/a	BROWN	5	7.6	m
4	CLAY	GRAVEL	n/a	GREY	7.6	12.5	m
5	SHALE	n/a	n/a	GREY	12.5	13.2	m
6	n/a	n/a	n/a	n/a	13.2	18	m

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End of Record

17		
	Easting:	704975.90
	Northing:	4920096.00
	Elev (masl):	266.15

Latitude: 44.382811
Longitude: -78.374521

Well ID: 5120599

LOCATION

Lot: 011
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: 2839 BRUMMWELL ST
City: BRIDGENORTH

Tag: A039625
Audit No: Z33086
Contractor License: 3367
Well Completion Date: 02/28/2006
Received Date: 04/05/2006

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 28.3464
Depth to Bedrock (m): 80
Depth to Water: ft
Water Kind: SULPHUR

PUMP TEST

Test Method: n/a
Pump Set (m): 91
SWL (ft) 7.6
Final Level: 31 ft
Pump Rate: 2.5 GPM
Recom. Rate: 2.5 GPM

Pipe ID: 11565378
Pump Test ID 11572876
Flowing: n/a
Pump Duration (hr): 1
Pump Duration (m): 0

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	930876765	6.25	inch	STEEL	0	80	ft
2	930876766	n/a	inch	OPEN HOLE	80	93	ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth	
1	TOPSOIL	n/a	n/a	BLACK	0	1	ft
2	SAND	STONES	n/a	BROWN	1	18	ft
3	CLAY	STONES	n/a	GREY	18	52	ft
4	CLAY	GRAVEL	SAND	GREY	52	53	ft
5	CLAY	GRAVEL	n/a	GREY	53	80	ft
6	LIMESTONE	SAND	n/a	GREY	80	93	ft

End of Record

17		
	Easting:	709064.00
	Northing:	4917664.00
	Elev (masl):	269.62

Latitude: 44.382104
Longitude: -78.375494

Well ID: 7054236

LOCATION

Lot: 012
Con: 06
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: 2819 BRUMWELL RD
City: BRIDGENORTH

Tag: A044970
Audit No: Z50200
Contractor License: 4635
Well Completion Date: 06/28/2007
Received Date: 12/28/2007

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 29.1
Depth to Bedrock (m): n/a
Depth to Water: m
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): 27.9
SWL (ft) 3.6
Final Level: 21 m
Pump Rate: 13.5 LPM
Recom. Rate: 15.7 LPM

Pipe ID: 29054236
Pump Test ID 27054236
Flowing: N
Pump Duration (hr): 2
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	42154236	15.5	cm	STEEL	0	28.2	m
2	42254236	n/a	cm	OPEN HOLE	28.2	29.1	m

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FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	TOPSOIL	n/a	n/a	n/a	0	0.6 m
2	CLAY	TOPSOIL	n/a	BROWN	0.6	2.4 m
3	CLAY	GRAVEL	n/a	GREY	2.4	6 m
4	GRAVEL	CLAY	n/a	GREY	6	28.2 m
5	LIMESTONE	n/a	n/a	GREY	28.2	29.1 m

End of Record

17

Easting:	644941.00
Northing:	4852245.00
Elev (masl):	271.11

Latitude: 44.37995
Longitude: -78.382043

Well ID: 7106724

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: GORE ST
City: BRIDGENORTH

Tag:
Audit No: Z80035
Contractor License: 3367
Well Completion Date: 04/16/2008
Received Date: 06/19/2008

WELL

Well Status: <null>
Prim. Use: n/a
Sec. Use: n/a
Boring Method: n/a

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

PUMP TEST

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

Pipe ID:
Pump Test ID
Flowing:
Pump Duration (hr):
Pump Duration (m):

CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
0	1001716689	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

17

Easting:	509786.00
Northing:	4861549.00
Elev (masl):	271.60

Latitude: 44.379752
Longitude: -78.381637

Well ID: 7106725

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: GORE ST
City: BRIDGENORTH

Tag: _NO_TAG
Audit No: Z80036
Contractor License: 3367
Well Completion Date: 04/16/2008
Received Date: 06/19/2008

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: 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):

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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	1001716707	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):	269.63

Latitude: 44.38707
Longitude: -78.380834

Well ID: 7137274

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: 945 SHARON CRT
City: BRIDGENORTH

Tag: A090126
Audit No: Z103782
Contractor License: 3367
Well Completion Date: 10/10/2009
Received Date: 01/04/2010

WELL

Well Status: <null>
Prim. Use: n/a
Sec. Use: n/a
Boring Method: n/a

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

PUMP TEST

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

Pipe ID:
Pump Test ID
Flowing:
Pump Duration (hr):
Pump Duration (m):

CASING DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Case ID	Casing Diamter	Diamter Units	Material	Top Depth	Bottom Depth
0	1002997100	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):	269.64

Latitude: 44.387327
Longitude: -78.380659

Well ID: 7137275

LOCATION

Lot: 012
Con: 07
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: 949 SHARON COURT
City: BRIDGENORTH

Tag: A090127
Audit No: Z103781
Contractor License: 3367
Well Completion Date: 10/10/2009
Received Date: 01/04/2010

WELL

Well Status: <null>
Prim. Use: n/a
Sec. Use: n/a
Boring Method: n/a

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

TEST

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

Pipe ID:
Pump Test ID
Flowing:

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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	1002997122	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):	266.67

Latitude: 44.387591
Longitude: -78.381965

Well ID: **7151123**

LOCATION

Lot: 012 **Tag:** A090158
Con: 07 **Audit No:** Z116953
Municipality: PETERBOROUGH **Contractor License:** 3367
Township: SMITH TOWNSHIP **Well Completion Date:** 07/05/2010
Street: 1087 EAST COMMUNICATION ROAD **Received Date:** 09/13/2010
City: Smith-Ennismore-Lakefield

WELL

Well Status: Water Supply **Well Depth (m):** 10.9728
Prim. Use: n/a **Depth to Bedrock (m):** n/a
Sec. Use: Domestic **Depth to Water:** ft
Boring Method: Cable Tool **Water Kind:** Untested

PUMP TEST

Test Method: CLEAR **Pipe ID:** 1003410624
Pump Set (m): 25 **Pump Test ID** 1003410625
SWL (ft) 2 **Flowing:** N
Final Level: 20 ft **Pump Duration (hr):** 1
Pump Rate: 5 GPM **Pump Duration (m):** n/a
Recom. Rate: 5 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	1003410630	6.25	inch	STEEL	-2	36 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	n/a	n/a	n/a	n/a	0	36 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	274.16

Latitude: 44.385799
Longitude: -78.379196

Well ID: **7151124**

LOCATION

Lot: n/a **Tag:** A097083
Con: n/a **Audit No:** Z111962
Municipality: PETERBOROUGH **Contractor License:** 3367
Township: SMITH TOWNSHIP **Well Completion Date:** 05/28/2010
Street: 1042 BRIAR PL. **Received Date:** 09/13/2010
City: BRIDGENORTH

WELL

Well Status: Water Supply **Well Depth (m):** 0
Prim. Use: n/a **Depth to Bedrock (m):** n/a
Sec. Use: n/a **Depth to Water:** ft
Boring Method: Cable Tool **Water Kind:**

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PUMP TEST

Test Method: CLEAR
Pump Set (m): n/a
SWL (ft) 22
Final Level: n/a ft
Pump Rate: n/a GPM
Recom. Rate: n/a GPM

Pipe ID: 1003410662
Pump Test ID 1003410663
Flowing: N
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	1003410668	6.25	inch	STEEL	-2	44 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):	259.44

Latitude: 44.380467
Longitude: -78.384957

Well ID: 7164840

LOCATION

Lot: n/a
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street:
City: n/a

Tag:
Audit No: M08505
Contractor License: 6607
Well Completion Date: 05/17/2011
Received Date: 07/06/2011

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):	256.18

Latitude: 44.382834
Longitude: -78.384939

Well ID: 7170157

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: 869 GARTHORNE
City: BRIDGENORTH

Tag: A113737
Audit No: Z133048
Contractor License: 3367
Well Completion Date: 06/15/2011
Received Date: 10/18/2011

ELL

Well Status: Water Supply
Prim. Use:

Well Depth (m): 19.5072
Depth to Bedrock (m): n/a

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WE

Sec. Use: n/a
Boring Method: Cable Tool

Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): 59
SWL (ft) 11.417
Final Level: 35.3ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 1004014312
Pump Test ID 1004014313
Flowing: n/a
Pump Duration (hr): 2
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	1004014321	6.25	inch	STEEL	0	47	ft
2	1004014322	6.25	inch	OPEN HOLE	47	62	ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth	
1	CLAY	STONES	PACKED	GREY	0	46	ft
2	CLAY	SAND	WATER-BEARING	BLACK	46	47	ft
3	LIMESTONE	n/a	HARD	GREY	47	62	ft
4	n/a	n/a	n/a	n/a	62	64	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	257.32

Latitude: 44.386272
Longitude: -78.383694

Well ID: 7174788

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: 917 KELLY BLVD.
City: BRIDGENORTH

Tag: A121047
Audit No: Z142716
Contractor License: 2662
Well Completion Date: 11/16/2011
Received Date: 01/11/2012

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 9.4488
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: Untested

PUMP TEST

Test Method: CLEAR
Pump Set (m): 24
SWL (ft) 2
Final Level: 21.3ft
Pump Rate: 7 GPM
Recom. Rate: 7 GPM

Pipe ID: 1004090925
Pump Test ID 1004090926
Flowing: N
Pump Duration (hr): 1
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	1004090935	6.25	inch	STEEL	2	20	ft
2	1004090936	5.25	inch	STEEL	24	31	ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth	
1	CLAY	STONES	n/a	BROWN	0	15	ft
2	CLAY	GRAVEL	n/a	GREY	15	20	ft
3	GRAVEL	n/a	n/a	BROWN	20	23	ft
4	CLAY	n/a	n/a	GREY	23	26	ft
5	LIMESTONE	n/a	n/a	GREY	26	31	ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	255.56

Latitude: 44.382837
Longitude: -78.385065

Well ID: 7175314

ON

Lot: 012
Con:

Tag:
Audit No: Z139575

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LOCATION

Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: 869 GARTHORNE RD
City: BRIDGENORTH

Contractor License: 3367
Well Completion Date: 10/25/2011
Received Date: 01/19/2012

WELL

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

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	
1	1004135657	6.25	inch	STEEL	0	4	ft
2	1004135658	6.25	inch	STEEL	4	39	ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	265.75

Latitude: 44.379481
Longitude: -78.383206

Well ID: 7175324

LOCATION

Lot: n/a
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: 1027 WILCOX
City: n/a

Tag: A123322
Audit No: Z139594
Contractor License: 3367
Well Completion Date: 11/28/2011
Received Date: 01/19/2012

WELL

Well Status: Water Supply
Prim. Use: n/a
Sec. Use: n/a
Boring Method: Cable Tool

Well Depth (m): 24.9936
Depth to Bedrock (m): n/a
Depth to Water: ft
Water Kind: FRESH

PUMP TEST

Test Method: CLEAR
Pump Set (m): 78
SWL (ft) 17
Final Level: 28.8ft
Pump Rate: 5 GPM
Recom. Rate: 5 GPM

Pipe ID: 1004136996
Pump Test ID 1004136997
Flowing: N
Pump Duration (hr): 20
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	1004137006	6.25	inch	STEEL	2	44	ft
2	1004137007	5	inch	STEEL	42	82	ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth	
1	TOPSOIL	n/a	SOFT	BROWN	0	1	ft
2	CLAY	SAND	SOFT	BROWN	1	19	ft
3	n/a	SAND	LOOSE	BROWN	19	42	ft
4	GRAVEL	CLAY	PACKED	GREY	42	51	ft
5	LIMESTONE	n/a	HARD	GREY	51	82	ft

End of Record

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n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	265.08

Latitude: 44.385537
Longitude: -78.38266

Well ID: 7188139

LOCATION

Lot:	012	**Tag:**	A131505
Con:	n/a	**Audit No:**	Z150019
Municipality:	PETERBOROUGH	**Contractor License:**	3367
Township:	SMITH TOWNSHIP	**Well Completion Date:**	06/12/2012
Street:	913 WARD ST	**Received Date:**	09/27/2012
City:	BRIDGENORTH		

WELL

Well Status:	Water Supply	**Well Depth (m):**	10.9728
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	Untested

PUMP TEST

Test Method:	n/a	**Pipe ID:**	1004455345
Pump Set (m):	n/a	**Pump Test ID**	1004455346
SWL (ft)	2	**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	1004455352	6.25	inch	STEEL	-2	6 ft
2	1004455353	6.25	inch	STEEL	6	36 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	n/a	n/a	n/a	n/a	0	6 ft
2	n/a	n/a	n/a	n/a	6	36 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	260.06

Latitude: 44.382072
Longitude: -78.38427

Well ID: 7236831

LOCATION

Lot:	012	**Tag:**	A146310
Con:	06	**Audit No:**	Z169473
Municipality:	PETERBOROUGH	**Contractor License:**	1455
Township:	SMITH TOWNSHIP	**Well Completion Date:**	01/30/2014
Street:	868 WARD ST.	**Received Date:**	01/30/2015
City:	BRIDGE NORTH		

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	1005495092	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

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n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	266.06

Latitude: 44.386317
Longitude: -78.382148

Well ID: 7236832

LOCATION

Lot:	012	**Tag:**	A146313
Con:	07	**Audit No:**	Z169476
Municipality:	PETERBOROUGH	**Contractor License:**	1455
Township:	SMITH TOWNSHIP	**Well Completion Date:**	04/18/2014
Street:	929 WARD ST.	**Received Date:**	01/30/2015
City:	BRIDGE NORTH		

WELL

Well Status:	Water Supply	**Well Depth (m):**	10.668
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	1005495096
Pump Set (m):	20	**Pump Test ID**	1005495097
SWL (ft)	1	**Flowing:**	N
Final Level:	12.5ft	**Pump Duration (hr):**	2
Pump Rate:	5 GPM	**Pump Duration (m):**	0
Recom. Rate:	5 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	1005495104	6.25	inch	STEEL	0	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	TOPSOIL	n/a	n/a	BROWN	0	1 ft
2	CLAY	STONES	n/a	BROWN	1	22 ft
3	CLAY	STONES	n/a	GREY	22	27 ft
4	COARSE SAND	GRAVEL	n/a	BROWN	27	35 ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	268.85

Latitude: 44.3767
Longitude: -78.384798

Well ID: 7271068

LOCATION

Lot:	012	**Tag:**	A207974
Con:	n/a	**Audit No:**	Z240778
Municipality:	PETERBOROUGH	**Contractor License:**	6069
Township:	SMITH TOWNSHIP	**Well Completion Date:**	08/07/2010
Street:	1017 MAITLAND STREET	**Received Date:**	09/08/2016
City:	BRIDGENORTH		

WELL

Well Status:	Water Supply	**Well Depth (m):**	44.8056
Prim. Use:	n/a	**Depth to Bedrock (m):**	n/a
Sec. Use:	n/a	**Depth to Water:**	ft
Boring Method:	Cable Tool	**Water Kind:**	FRESH

PUMP TEST

Test Method:	CLEAR	**Pipe ID:**	1006281930
Pump Set (m):	146	**Pump Test ID**	1006281931
SWL (ft)	18	**Flowing:**	n/a
Final Level:	146 ft	**Pump Duration (hr):**	4
Pump Rate:	10 GPM	**Pump Duration (m):**	n/a
Recom. Rate:	5 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	1006281945	6.25	inch	STEEL	5	66 ft
2	1006281946	6	inch	OPEN HOLE	66	147 ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

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Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
1	LIMESTONE	ROCK	QUARTZ	GREY	0	98 ft
2	LIMESTONE	ROCK	QUARTZ	GREY	98	102 ft
3	LIMESTONE	ROCK	QUARTZ	GREY	102	123 ft
4	LIMESTONE	ROCK	HARD	GREY	123	129 ft
5	LIMESTONE	ROCK	QUARTZ	GREY	129	133 ft
6	LIMESTONE	ROCK	HARD	GREY	133	138 ft
7	LIMESTONE	ROCK	HARD	GREY	138	140 ft
8	LIMESTONE	ROCK	HARD	GREY	140	147 ft
9	n/a	n/a	n/a	n/a	147	n/a ft

End of Record

---

n/a

Easting:	<null>
Northing:	<null>
Elev (masl):	257.04

Latitude: 44.378888
Longitude: -78.386383

Well ID: 7286687

LOCATION

Lot: 012
Con: n/a
Municipality: PETERBOROUGH
Township: SMITH TOWNSHIP
Street: 805 SIMCOE ST
City: BRIDGENORTH

Tag: A216115
Audit No: Z245924
Contractor License: 7364
Well Completion Date: 05/10/2017
Received Date: 05/15/2017

WELL

Well Status: <null>
Prim. Use: n/a
Sec. Use: n/a
Boring Method: n/a

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

PUMP TEST

Test Method: CLEAR
Pump Set (m): 30
SWL (ft) n/a
Final Level: 3 ft
Pump Rate: 4 GPM
Recom. Rate: 4 GPM

Pipe ID: 1006703137
Pump Test ID 1006703138
Flowing: Y
Pump Duration (hr): n/a
Pump Duration (m): 20

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	1006703142	n/a	inch	<null>	n/a	n/a ft

FORMATION DETAILS

Layer Value of "0" denotes a Null value and cannot be stratified and ordered.

Layer	Material	Material 2	Material 3	Colour	Top Depth	Bottom Depth
0	n/a	n/a	n/a	n/a	n/a	n/a ft

End of Record

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PI ENC04310BW

UTM 1 17 Z 7 0 8 2 6 9 E
5 R 4 9 1 8 8 2 3 N
Elev. 5 R 0 8 9 5

The Ontario Water Resources Commission Act

GROUND WATER BRANCH 51 No. MAY 4 1964 ONTARIO WATER RESOURCES COMMISSION

3429

WATER WELL RECORD

Basin 24

County or District Peterboro — Township, Village, Town or City Smith

Con. C.B.E. — Lot 12 — Date completed 12 (day) 2 (month) 64 (year)

[redacted] Address Bridgenorth

Casing and Screen Record		Pumping Test	
Inside diameter of casing	6 5/8	Static level	12'
Total length of casing	72'	Test-pumping rate	10 G.P.M.
Type of screen	—	Pumping level	60'
Length of screen	—	Duration of test pumping	2 hrs
Depth to top of screen	—	Water clear or cloudy at end of test	Clear
Diameter of finished hole	6 1/4"	Recommended pumping rate	5 G.P.M.
		with pump setting of	60' feet below ground surface

Well Log / **Water Record**

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Top Soil	0	2		
Clay & Boulders	2	18		
Blue clay & Stones	18	70		
Gravel	70	72	72	fresh

For what purpose(s) is the water to be used? NEW HOUSE Domestic

Is well on upland, in valley, or on hillside? (upland circled)

Drilling or Boring Firm Wm Sanderson

Address Peterboro

Licence Number 1355

Name of Driller or Borer S. Warrick

Address

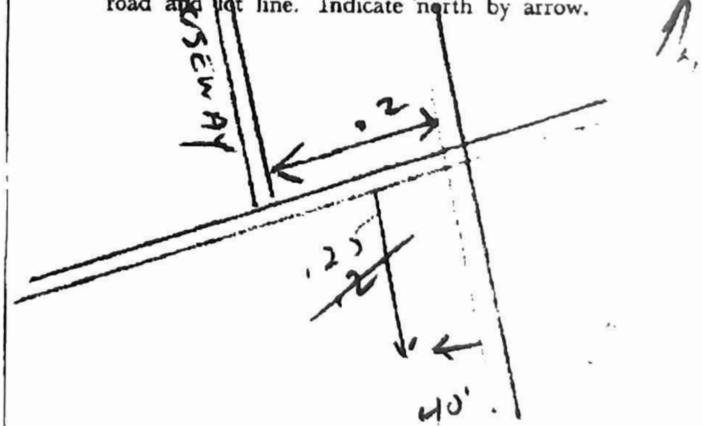
Date Apr 2/64

Wm Sanderson

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Form 7 15M-60-4138

OWRC COPY

Appendix B

Test Pit and Borehole Logs

REFERENCE No.: 12637390

BOREHOLE No.: BH1A-24

ELEVATION: 262.9 m

BOREHOLE REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: C. Frazer CHECKED BY: L. Ramos

DATE (START): 2 April 2024 DATE (FINISH): 2 April 2024

NORTHING: 4917454 EASTING: 709094

LEGEND

- SS - SPLIT SPOON
- ST - SHELBY TUBE
- RC - ROCK CORE
- WATER LEVEL

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(%)
		262.9		GROUND SURFACE			%	KN/m3	%	%		
0				**TOPSOIL** (610 mm)		SS-1			96	36	1-0-1-2	1
1		262.3		**SILTY SAND** - light brown, compact, wet		SS-2			96	17	4-5-6-9	11
2						SS-3			100	19	6-9-6-6	15
3	1.0					SS-4			100	15	4-50/0"	100+
4				Very dense		SS-5	16-38-29-17		100	8	15-31-50/0"	100+
5						SS-6			100	5	32-48-50/0"	100+
6	2.0					SS-7			100	12	22-50/6"	100+
7												
8												
9												
10	3.0	259.8		**TILL** - Silty Sand, some clay, some gravel, grey, very dense, moist								
11												
12												
13	4.0											
14												
15												
16	5.0											
17												
18												
19												
20	6.0											
21		256.5		**END OF BOREHOLE**								
22												
23	7.0			Notes:								
24				- Borehole terminated at 6.4 m bgs.								
25				- Water level at 2.3 m bgs upon completion.								
26	8.0			- Groundwater level measured at 0.3 m bgs on 4/22/2024.								
27				- bgs denotes 'below ground surface.'								
28												
29	9.0											

Shear test (Cu) △ Field □ Lab
Sensitivity (S)
○ Water content (%)
W_p W_l Atterberg limits (%)
● "N" Value (blows / 12 in.-30 cm)

10 20 30 40 50 60 70 80 90

4/22/2024 m

2.7 m

3.0 m

6.1 m

PIEZOMETER/ STANDPIPE INSTALLATION

m

m

File: \\GHDNET\GHD\CA\PETERBOROUGH\PROJECTS\66212637390\WORKSHARE\04-FLD\GINT\12637390-GINT BH LOGS, JK.GPJ Library File: 12637390 GHD_GEOTECH_V07.GLB Report: 12637390 SOIL LOG WITH GRAPH+WELL Date: 31/5/24

REFERENCE No.: 12637390

BOREHOLE REPORT

Page 1 of 1

BOREHOLE No.: BH1B-24

ELEVATION: 263.0 m

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: C. Frazer CHECKED BY: L. Ramos

DATE (START): 2 April 2024 DATE (FINISH): 2 April 2024

NORTHING: 4917452 EASTING: 709095

LEGEND

- SS - SPLIT SPOON
- ST - SHELBY TUBE
- RC - ROCK CORE
- WATER LEVEL

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(%)
0		263.0		GROUND SURFACE								
				TOPSOIL (610 mm)								
		262.4		**SILTY SAND** - light brown, compact, wet								
	1.0											
	2.0			Very dense								
	3.0	260.0		**END OF BOREHOLE**								

Notes:

- Borehole terminated at 3.0 m bgs.
- Water level at 2.7 m bgs upon completion.
- Groundwater level measured at 0.4 m bgs on 4/22/2024
- bgs denotes 'below ground surface.'

Shear test (Cu) △ Field / Sensitivity (S) □ Lab
○ Water content (%)
W_p W_l Atterberg limits (%)
● "N" Value (blows / 12 in.-30 cm)

10 20 30 40 50 60 70 80 90

m — m —

m 4/22/2024

1.2 m

1.5 m

3.0 m

PIEZOMETER/ STANDPIPE INSTALLATION

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REFERENCE No.: 12637390

BOREHOLE No.: BH2A-24

ELEVATION: 271.1 m

BOREHOLE REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: C. Frazer CHECKED BY: L. Ramos

DATE (START): 2 April 2024 DATE (FINISH): 2 April 2024

NORTHING: 4917335 EASTING: 708794

LEGEND

- SS - SPLIT SPOON
- ST - SHELBY TUBE
- RC - ROCK CORE
- WATER LEVEL

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(%)
0		271.1		GROUND SURFACE								
1				**TOPSOIL** (610 mm)		SS-1			100	24	1-0-1-2	1
2		270.5		**SILTY SAND** - light brown, loose, wet								
3	1.0					SS-2			50	23	1-3-5-4	8
4												
5				Compact		SS-3			100	13	3-4-12-16	16
6	2.0											
7		268.8										
8				**TILL** - Silty Sand, some clay, some gravel, grey, very dense, moist		SS-4			80	8	23-25-26-23	51
9												
10	3.0											
11						SS-5			100	9	20-38-30-14	68
12												
13	4.0											
14												
15												
16						SS-6			75	8	36-34-50/6"	100+
17	5.0											
18												
19												
20	6.0			Dense								
21						SS-7			25	8	11-23-17-20	40
22		264.4		**END OF BOREHOLE**								
23	7.0			Notes:								
24												
25				- Borehole terminated at 6.7 m bgs.								
26	8.0			- Water level at 6.6 m bgs upon completion.								
27				- Groundwater level measured at 0.4 m bgs on 4/22/2024.								
28				- bgs denotes 'below ground surface.'								
29	9.0											

Shear test (Cu) △ Field □ Lab
Sensitivity (S)
○ Water content (%)
W_p W_l Atterberg limits (%)
● "N" Value (blows / 12 in.-30 cm)

10 20 30 40 50 60 70 80 90

m
m

PIEZOMETER/ STANDPIPE INSTALLATION

m
4/22/2024

2.3 m

3.0 m

6.1 m

File: \\GHDNET\GHD\CA\PETERBOROUGH\PROJECTS\66212637390\WORKSHARE\04-FLD\GINT\12637390-GINT BH LOGS, JK.GPJ Library File: 12637390 GHD_GEOTECH_V07.GLB Report: 12637390 SOIL LOG WITH GRAPH+WELL Date: 31/5/24

REFERENCE No.: 12637390

BOREHOLE No.: BH2B-24

ELEVATION: 271.2 m

BOREHOLE REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: C. Frazer CHECKED BY: L. Ramos

DATE (START): 2 April 2024 DATE (FINISH): 2 April 2024

LEGEND

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

NORTHING: 4917333 EASTING: 708795

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(%)
		271.2		GROUND SURFACE								
0				**TOPSOIL** (610 mm)								
1												
2		270.5		**SILTY SAND** - light brown, loose, wet								
3	1.0											
4												
5				Compact								
6												
7	2.0											
		268.9		**TILL** - Silty Sand, some clay, some gravel, grey, very dense, moist								
8												
9												
10	3.0	268.1		**END OF BOREHOLE**								
11												
12				Notes:								
13	4.0			- Borehole terminated at 3.0 m bgs.								
14				- Water level at 2.5 m bgs upon completion.								
15				- Groundwater level measured at 0.5 m bgs on 4/22/2024.								
16	5.0			- bgs denotes 'below ground surface.'								
17												
18												
19												
20	6.0											
21												
22												
23	7.0											
24												
25												
26	8.0											
27												
28												
29	9.0											

Shear test (Cu) △ Field
Sensitivity (S) □ Lab
○ Water content (%)
W_p W_l Atterberg limits (%)
● "N" Value (blows / 12 in.-30 cm)

10 20 30 40 50 60 70 80 90

m
m

m
4/22/2024

1.2 m

1.5 m

3.0 m

PIEZOMETER/ STANDPIPE INSTALLATION

File: \\GHDNET\GHD\CA\PETERBOROUGH\PROJECTS\66\12637390\WORKSHARE\04-FLD\GINT\12637390-GINT BH LOGS, JK.GPJ Library File: 12637390 GHD_GEOTECH_V07.GLB Report: 12637390 SOIL LOG WITH GRAPH+WELL Date: 31/5/24

REFERENCE No.: 12637390

BOREHOLE No.: BH3A-24

ELEVATION: 274.3 m

BOREHOLE REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: C. Frazer CHECKED BY: L. Ramos

DATE (START): 2 April 2024 DATE (FINISH): 2 April 2024

LEGEND

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

NORTHING: 4917607 EASTING: 708764

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(%)	Shear test (Cu) Sensitivity (S) △ Field □ 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		274.3		GROUND SURFACE			%	KN/m3	%	%			
		274.1		**TOPSOIL** (150 mm)		SS-1A			100	20	1-1-2-3	3	
1				**SILTY SAND** - some clay, some gravel, light brown, compact, moist		SS-1B			100	17	--	--	
2													
3	1.0			Grey, wet		SS-2	15-38-(47)		100	9	4-6-7-12	13	
4													
5		272.7		**TILL** - Sandy Silt, some clay, some gravel, grey, dense, moist		SS-3	13-33-36-18		100	8	14-18-24-16	42	
6	2.0												
7				Very dense, occasional cobbles		SS-4			100	7	26-23-28-29	51	
8													
9													
10	3.0			Dense		SS-5			100	8	15-13-23-12	36	
11													
12													
13	4.0												
14													
15													
16	5.0					SS-6			100	8	9-15-17-18	32	
17													
18													
19													
20	6.0			Very dense		SS-7			100	6	22-25-50/3"	100+	
21		267.8		**END OF BOREHOLE**									
22													
23	7.0			Notes:									
24				- Borehole terminated at 6.5 m bgs.									
25				- Borehole open and dry upon completion.									
26	8.0			- Groundwater level measured at 0.9 m bgs on 4/22/2024.									
27				- bgs denotes 'below ground surface.'									
28													
29	9.0												

m — m —

4/22/2024 ▼

2.7 m

3.0 m

6.1 m

PIEZOMETER/ STANDPIPE INSTALLATION

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REFERENCE No.: 12637390

BOREHOLE No.: BH3B-24

ELEVATION: 274.1 m

BOREHOLE REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: C. Frazer CHECKED BY: L. Ramos

DATE (START): 2 April 2024 DATE (FINISH): 2 April 2024

LEGEND

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

NORTHING: 4917606 EASTING: 708762

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(%)
0		274.1		GROUND SURFACE								
0		274.0		**TOPSOIL** (150 mm)								
1				**SILTY SAND** - some clay, some gravel, light brown, compact, moist								
2												
3	1.0			Grey, wet								
4												
5		272.6		**TILL** - Sandy Silt, some clay, some gravel, grey, dense, moist								
6	2.0											
7												
8												
9												
10	3.0	271.1		**END OF BOREHOLE**								
11												
12				Notes:								
13	4.0			- Borehole terminated at 3.0 m bgs.								
14				- Borehole open and dry upon completion.								
15				- Groundwater level measured at 0.8 m bgs on 4/22/2024.								
16	5.0			- bgs denotes 'below ground surface.'								
17												
18												
19												
20	6.0											
21												
22												
23	7.0											
24												
25												
26	8.0											
27												
28												
29	9.0											

Shear test (Cu) △ Field
Sensitivity (S) □ Lab
○ Water content (%)
W_p W_l Atterberg limits (%)
● "N" Value (blows / 12 in.-30 cm)

10 20 30 40 50 60 70 80 90

m —
m —

m
1.2 m
1.5 m
3.0 m

PIEZOMETER/ STANDPIPE INSTALLATION

4/22/2024

File: \\GHDNET\GHD\CA\PETERBOROUGH\PROJECTS\66\12637390\WORKSHARE\04-FLD\GINT\12637390-GINT BH LOGS, JK.GPJ Library File: 12637390 GHD_GEOTECH_V07.GLB Report: 12637390 SOIL LOG WITH GRAPH+WELL Date: 31/5/24

REFERENCE No.: 12637390

BOREHOLE No.: BH4A-24

ELEVATION: 261.5 m

BOREHOLE REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: C. Frazer CHECKED BY: L. Ramos

DATE (START): 2 April 2024 DATE (FINISH): 2 April 2024

NORTHING: 4917751 EASTING: 708507

LEGEND

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

Depth (Feet)	Depth (Metres)	Elevation (m)	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(%)
0		261.5	GROUND SURFACE											
1		261.2	**TOPSOIL** (300 mm)		SS-1A						100	36	0-1-3-2	4
			SANDY SILT - some clay, brown, loose, moist		SS-1B	0-35-(65)					--	22	--	--
3	1.0				SS-2						50	12	3-3-5-6	8
5		260.0	**TILL** - Sandy Silt, some clay, some gravel, brown, compact, moist		SS-3						50	10	8-14-15-19	29
7	2.0		Grey, dense		SS-4						75	8	13-15-21-28	36
10	3.0				SS-5						75	9	8-22-24-27	46
13	4.0													
15			Very dense		SS-6						100	7	50/6"	100+
16	5.0		Augers grinding, inferred cobbles and boulders											
20	6.0				SS-7						25	6	27-50/4"	100+
21		255.1	**END OF BOREHOLE**											
23	7.0		Notes:											
			- Borehole terminated at 6.3 m bgs.											
			- Water level at 4.3 m bgs upon completion.											
			- Groundwater level measured at 0.4 m bgs on 4/22/2024.											
			- bgs denotes 'below ground surface.'											
26	8.0													
29	9.0													

Shear test (Cu) △ Field
Sensitivity (S) □ Lab
○ Water content (%)
W_p W_l Atterberg limits (%)
● "N" Value (blows / 12 in.-30 cm)
10 20 30 40 50 60 70 80 90

PIEZOMETER/ STANDPIPE INSTALLATION

m — 4/22/2024
2.4 m
3.0 m
6.1 m

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REFERENCE No.: 12637390

BOREHOLE No.: BH4B-24

ELEVATION: 261.5 m

BOREHOLE REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: C. Frazer CHECKED BY: L. Ramos

DATE (START): 2 April 2024 DATE (FINISH): 2 April 2024

LEGEND

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

NORTHING: 4917752 EASTING: 708509

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(%)
0		261.5		GROUND SURFACE								
0		261.2		**TOPSOIL** (300 mm)								
1				**SANDY SILT** - some clay, brown, loose, moist								
2												
3	1.0											
4												
5		260.0		**TILL** - Sandy Silt, some clay, some gravel, brown, compact, moist								
6												
7	2.0											
8												
9												
10	3.0	258.5		**END OF BOREHOLE**								
11												
12				Notes:								
13	4.0			- Borehole terminated at 3.0 m bgs.								
14				- Water level at 2.9 m bgs upon completion.								
15				- Groundwater level measured at 0.5 m bgs on 4/22/2024.								
16	5.0			- bgs denotes 'below ground surface.'								
17												
18												
19												
20	6.0											
21												
22												
23	7.0											
24												
25												
26	8.0											
27												
28												
29	9.0											

Shear test (Cu) △ Field
Sensitivity (S) □ Lab
○ Water content (%)
W_p W_l Atterberg limits (%)
● "N" Value (blows / 12 in.-30 cm)

10 20 30 40 50 60 70 80 90

m
m

m
4/22/2024
1.2 m
1.5 m
3.0 m

PIEZOMETER/ STANDPIPE INSTALLATION

File: \\GHDNET\GHD\CA\PETERBOROUGH\PROJECTS\66\12637390\WORKSHARE\04-FLD\GINT\12637390-GINT BH LOGS, JK.GPJ Library File: 12637390 GHD_GEOTECH_V07.GLB Report: 12637390 SOIL LOG WITH GRAPH+WELL Date: 31/5/24

REFERENCE No.: 12637390

BOREHOLE No.: BH5-24

ELEVATION: 270.4 m

BOREHOLE REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: C. Frazer CHECKED BY: L. Ramos

DATE (START): 3 April 2024 DATE (FINISH): 3 April 2024

NORTHING: 4917892 EASTING: 708692

LEGEND

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

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(%)
		270.4		GROUND SURFACE			%		%	%		
0				**TOPSOIL** (200 mm)		SS-1A			100	27	1-2-4-6	6
1		270.2		**SANDY SILT** - some clay, brown, loose, wet		SS-1B			100	16	--	--
2												
3	1.0			Compact		SS-2	17-40-29-14		50	12	8-10-12-14	22
4												
5		268.9		**TILL** - Sandy Silt, some clay, some gravel, brown, compact, moist		SS-3			25	9	9-13-15-14	28
6	2.0											
7				Very dense		SS-4			50	8	21-34-31-28	65
8												
9												
10	3.0			Dense		SS-5			75	7	8-16-19-18	35
11												
12												
13	4.0											
14												
15				Gravelly Sand, some silt, some clay		SS-6	21-40-(39)		100	8	9-12-18-20	30
16	5.0											
17												
18												
19												
20	6.0			Very dense		SS-7			75	8	12-24-29-30	53
21												
22		263.7		**END OF BOREHOLE**								
23	7.0			Notes:								
24												
25				- Borehole terminated at 6.3 m bgs.								
26	8.0			- Water level at 3.4 m bgs upon completion.								
27				- bgs denotes 'below ground surface.'								
28												
29	9.0											

Shear test (Cu) △ Field
Sensitivity (S) □ Lab
○ Water content (%)
W_p W_l Atterberg limits (%)
● "N" Value (blows / 12 in.-30 cm)

10 20 30 40 50 60 70 80 90

PIEZOMETER/ STANDPIPE INSTALLATION

File: \\GHDNET\GHD\CA\PETERBOROUGH\PROJECTS\66\12637390\WORKSHARE\04-FLD\GINT\12637390-GINT BH LOGS, JK.GPJ Library File: 12637390 GHD_GEOTECH_V07.GLB Report: 12637390 SOIL LOG WITH GRAPH+WELL Date: 31/5/24

REFERENCE No.: 12637390

BOREHOLE No.: BH6-24

ELEVATION: 276.4 m

BOREHOLE REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: C. Frazer CHECKED BY: L. Ramos

DATE (START): 3 April 2024 DATE (FINISH): 3 April 2024

NORTHING: 4917776 EASTING: 708849

LEGEND

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

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(%)	Shear test (Cu) Sensitivity (S) ○ Water content (%) Atterberg limits (%) W_p W_l ● "N" Value (blows / 12 in.-30 cm) △ Field □ Lab	PIEZOMETER/ STANDPIPE INSTALLATION
		276.4		GROUND SURFACE			%	KN/m3	%	%			10 20 30 40 50 60 70 80 90	
0		276.2		**TOPSOIL** (150 mm)		SS-1A			100	29	0-0-1-2	1		
1				**SANDY SILT** - some clay, brown, loose, moist		SS-1B			--	--	--	--		
2														
3	1.0					SS-2			75	19	0-0-1-1	1		
4														
5		274.9		**TILL** - Sandy Silt, some clay, some gravel, brown, compact, moist		SS-3			25	25	11-12-14-18	26		
6	2.0													
7				Dense		SS-4			100	6	10-12-18-16	30		
8														
9	3.0			Very dense		SS-5			50	10	18-23-32-28	55		
10														
11														
12	4.0													
13														
14						SS-6			50	6	27-29-50/2"	100+		
15	5.0													
16														
17		270.8				SS-7			25	8	50/6"	100+		
18	6.0			**END OF BOREHOLE**										
19				Notes:										
20				- Borehole terminated at 5.6 m bgs upon auger refusal on cobbles.										
21				- Water level at 2.4 m bgs upon completion.										
22	7.0			- bgs denotes 'below ground surface.'										
23														
24														
25	8.0													
26														
27														
28	9.0													
29														

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REFERENCE No.: 12637390

ENCLOSURE No.: B-11

TEST PIT No.: TP1-24

ELEVATION: 267.24 m

TEST PIT REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: J. Kempt DATE: 10 April 2024

CHECKED BY: L. Ramos DATE: 17 April 2024

LEGEND

GSE - GRAB SAMPLE (environmental)
GS - GRAB SAMPLE (geotechnical)
Cu - SHEAR TEST
CHEM - CHEMICAL ANALYSIS
OVC - ORGANIC VAPOR CONCENTRATION
INF - INFILTRATION
▼ - WATER LEVEL

Depth (Feet)	Depth (Metres)	Elevation (m) BGS 267.24	Symbol	STRATIGRAPHY	Sample Type & Number	OVC ppm	Tests Type	▼ INF
				TOPSOIL (300 mm)				
1		266.93		**SILTY SAND** - some clay, some gravel, brown, moist				
	0.5							
2								
3		266.32		**TILL** - Sandy Silt, some clay, some gravel, some clay, occasional boulders, grey, moist Groundwater seepage at 0.9 m bgs				
	1.0							
4								
5	1.5							
6		265.41		**END OF TEST PIT:** **NOTE:** - Test pit terminated at 1.8 m bgs - bgs denotes 'below ground surface'				
	2.0							
7								
8								
	2.5							
9								
	3.0							

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REFERENCE No.: 12637390 ENCLOSURE No.: B-12

TEST PIT No.: TP2-24
ELEVATION: 263.11 m

TEST PIT REPORT

CLIENT: Base-Land Developments Inc.
PROJECT: Hydrogeological/Geotechnical Assessment
LOCATION: Bridgenorth, Ontario
DESCRIBED BY: J. Kempt DATE: 10 April 2024
CHECKED BY: L. Ramos DATE: 17 April 2024

LEGEND

GSE - GRAB SAMPLE (environmental)
GS - GRAB SAMPLE (geotechnical)
Cu - SHEAR TEST
CHEM - CHEMICAL ANALYSIS
OVC - ORGANIC VAPOR CONCENTRATION
INF - INFILTRATION
▼ - WATER LEVEL

Depth Feet	Depth Metres	Elevation (m) BGS 263.11	Symbol	STRATIGRAPHY	Sample Type & Number	OVC ppm	Tests Type	▼ INF
				TOPSOIL (330 mm)				
1		262.78		**SILTY SAND** - some clay, some gravel, brown, moist				
	0.5							
2								
3		262.19		**TILL** - Sandy Silt, some clay, some gravel, occasional cobbles, grey, moist				
4				Groundwater seepage at 1.2 m bgs				
	1.5							
5								
6		261.28		**END OF TEST PIT:** **NOTE:** - Test pit terminated at 1.8 m bgs - bgs denotes 'below ground surface'				
	2.0							
7								
8								
	2.5							
9								
	3.0							

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REFERENCE No.: 12637390 ENCLOSURE No.: B-13

TEST PIT No.: TP3-24
ELEVATION: 268.67 m

TEST PIT REPORT

CLIENT: Base-Land Developments Inc.
PROJECT: Hydrogeological/Geotechnical Assessment
LOCATION: Bridgenorth, Ontario
DESCRIBED BY: J. Kempt DATE: 10 April 2024
CHECKED BY: L. Ramos DATE: 17 April 2024

LEGEND

GSE - GRAB SAMPLE (environmental)
GS - GRAB SAMPLE (geotechnical)
Cu - SHEAR TEST
CHEM - CHEMICAL ANALYSIS
OVC - ORGANIC VAPOR CONCENTRATION
INF - INFILTRATION
▼ - WATER LEVEL

Depth Feet	Depth Metres	Elevation (m) BGS 268.67	Symbol	STRATIGRAPHY	Sample Type & Number	OVC ppm	Tests Type	▼ INF
				TOPSOIL (200 mm)				
		268.47		**SILTY SAND** - some clay, some gravel, brown, moist				
1								
	0.5			**GS-1 Grain Size Analysis:** Gravel: 5%, Sand: 45%, Clay & Silt: 50% trace clay				
2								
3		267.76		**TILL** - Sandy Silt, some clay, some gravel, grey, moist				
	1.0							
4				Groundwater seepage at 1.2 m bgs				
5	1.5							
6		266.84		**END OF TEST PIT:** **NOTE:** - Test pit terminated at 1.8 m bgs - bgs denotes 'below ground surface'				
	2.0							
7								
8								
	2.5							
9								
	3.0							

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REFERENCE No.: 12637390 ENCLOSURE No.: B-14

TEST PIT No.: TP4-24
ELEVATION: 286.75 m

TEST PIT REPORT

CLIENT: Base-Land Developments Inc.
PROJECT: Hydrogeological/Geotechnical Assessment
LOCATION: Bridgenorth, Ontario
DESCRIBED BY: J. Kempt DATE: 10 April 2024
CHECKED BY: L. Ramos DATE: 17 April 2024

LEGEND

GSE - GRAB SAMPLE (environmental)
GS - GRAB SAMPLE (geotechnical)
Cu - SHEAR TEST
CHEM - CHEMICAL ANALYSIS
OVC - ORGANIC VAPOR CONCENTRATION
INF - INFILTRATION
▼ - WATER LEVEL

Depth (Feet)	Depth (Metres)	Elevation (m) BGS 286.75	Symbol	STRATIGRAPHY	Sample Type & Number	OVC ppm	Tests Type	▼ INF
				TOPSOIL (300 mm)				
1		286.45		**SILTY SAND** - with gravel, some clay, brown, moist				
	0.5			**GS-1 Grain Size Analysis:** Gravel: 25%, Sand: 39%, Clay & Silt: 36%				
2								
3		285.84		**TILL** - Silty Sand, some gravel, some clay, occasional cobbles and boulders, grey, moist				
	1.0							
4								
5	1.5							
6		284.92		**END OF TEST PIT:** **NOTE:** - Test pit terminated at 1.8 m bgs - Open and dry upon completion - bgs denotes 'below ground surface'				
	2.0							
7								
8								
	2.5							
9								
	3.0							

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REFERENCE No.: 12637390 ENCLOSURE No.: B-15

TEST PIT No.: TP5-24
ELEVATION: 269.35 m

TEST PIT REPORT

CLIENT: Base-Land Developments Inc.
PROJECT: Hydrogeological/Geotechnical Assessment
LOCATION: Bridgenorth, Ontario
DESCRIBED BY: J. Kempt DATE: 10 April 2024
CHECKED BY: L. Ramos DATE: 17 April 2024

LEGEND

GSE - GRAB SAMPLE (environmental)
GS - GRAB SAMPLE (geotechnical)
Cu - SHEAR TEST
CHEM - CHEMICAL ANALYSIS
OVC - ORGANIC VAPOR CONCENTRATION
INF - INFILTRATION
▼ - WATER LEVEL

Depth Feet	Depth Metres	Elevation (m) BGS 269.35	Symbol	STRATIGRAPHY	Sample Type & Number	OVC ppm	Tests Type	▼ INF
				TOPSOIL (300 mm)				
1		269.04		**SILTY SAND** - some clay, brown, compact, moist				
	0.5			**GS-1 Grain Size Analysis:** Gravel: 0%, Sand: 69%, Silt: 23%, Clay: 8%				
2								
3		268.43		**TILL** - Silty Sand, some clay, some gravel, grey, moist				
	1.0							
4								
				Groundwater seepage at 1.4 m bgs				
5	1.5							
6								
	2.0	267.36		**END OF TEST PIT:** **NOTE:** - Test pit terminated at 2.0 m bgs - bgs denotes 'below ground surface'				
7								
8								
	2.5							
9								
	3.0							

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REFERENCE No.: 12637390 ENCLOSURE No.: B-16

TEST PIT No.: TP6-24
ELEVATION: 263.61 m

TEST PIT REPORT

CLIENT: Base-Land Developments Inc.
PROJECT: Hydrogeological/Geotechnical Assessment
LOCATION: Bridgenorth, Ontario
DESCRIBED BY: J. Kempt DATE: 10 April 2024
CHECKED BY: L. Ramos DATE: 17 April 2024

LEGEND

GSE - GRAB SAMPLE (environmental)
GS - GRAB SAMPLE (geotechnical)
Cu - SHEAR TEST
CHEM - CHEMICAL ANALYSIS
OVC - ORGANIC VAPOR CONCENTRATION
INF - INFILTRATION
▼ - WATER LEVEL

Depth (Feet)	Depth (Metres)	Elevation (m) BGS 263.61	Symbol	STRATIGRAPHY	Sample Type & Number	OVC ppm	Tests Type	▼ INF
				TOPSOIL (410 mm)				
		263.21		**SILTY SAND** - some clay, brown, moist, mottled				
	0.5							
		262.70		**TILL** - Silty Sand, some clay, some gravel, grey, moist Groundwater seepage at 0.9 m bgs				
	1.0							
	1.5							
		261.63		**END OF TEST PIT:** **NOTE:** - Test pit terminated at 2.0 m bgs - bgs denotes 'below ground surface'				
	2.0							
	2.5							
	3.0							

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REFERENCE No.: 12637390

ENCLOSURE No.: B-17

TEST PIT No.: TP7-24

ELEVATION: 280.13 m

TEST PIT REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: J. Kempt DATE: 10 April 2024

CHECKED BY: L. Ramos DATE: 17 April 2024

LEGEND

GSE - GRAB SAMPLE (environmental)
GS - GRAB SAMPLE (geotechnical)
Cu - SHEAR TEST
CHEM - CHEMICAL ANALYSIS
OVC - ORGANIC VAPOR CONCENTRATION
INF - INFILTRATION
▼ - WATER LEVEL

Depth (Feet)	Depth (Metres)	Elevation (m) BGS 280.13	Symbol	STRATIGRAPHY	Sample Type & Number	OVC ppm	Tests Type	▼ INF
				TOPSOIL (460 mm)				
		279.68						
	0.5			**SILTY SAND** - some clay, brown, moist				
		279.22		**TILL** - Silty Sand, some clay, some gravel, grey, moist Groundwater seepage at 1.1 m bgs				
	1.0							
	1.5							
		278.31		**END OF TEST PIT:** **NOTE:** - Test pit terminated at 1.8 m bgs - bgs denotes 'below ground surface'				
	2.0							
	2.5							
	3.0							

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REFERENCE No.: 12637390 ENCLOSURE No.: B-18

TEST PIT No.: TP8-24
ELEVATION: 274.90 m

TEST PIT REPORT

CLIENT: Base-Land Developments Inc.
PROJECT: Hydrogeological/Geotechnical Assessment
LOCATION: Bridgenorth, Ontario
DESCRIBED BY: J. Kempt DATE: 10 April 2024
CHECKED BY: L. Ramos DATE: 17 April 2024

LEGEND

GSE - GRAB SAMPLE (environmental)
GS - GRAB SAMPLE (geotechnical)
Cu - SHEAR TEST
CHEM - CHEMICAL ANALYSIS
OVC - ORGANIC VAPOR CONCENTRATION
INF - INFILTRATION
▼ - WATER LEVEL

Depth Feet	Depth Metres	Elevation (m) BGS 274.90	Symbol	STRATIGRAPHY	Sample Type & Number	OVC ppm	Tests Type	▼ INF
				TOPSOIL (300 mm)				
1		274.60		**SILTY SAND** - with gravel, some clay, brown, moist				
	0.5			**GS-1 Grain Size Analysis:** Gravel: 21%, Sand: 42%, Clay & Silt: 37%				
2								
3		273.99		**TILL** - Silty Sand, some clay, some gravel, occasional boulders, grey, moist				
	1.0							
4								
5	1.5							
6								
	2.0							
7		272.77		**END OF TEST PIT:** **NOTE:** - Test pit terminated at 2.1 m bgs - Open and dry upon completion - bgs denotes 'below ground surface'				
8								
	2.5							
9								
	3.0							

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REFERENCE No.: 12637390

ENCLOSURE No.: B-19

TEST PIT No.: TP9-24

ELEVATION: 273.08 m

TEST PIT REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: J. Kempt DATE: 10 April 2024

CHECKED BY: L. Ramos DATE: 17 April 2024

LEGEND

GSE - GRAB SAMPLE (environmental)
GS - GRAB SAMPLE (geotechnical)
Cu - SHEAR TEST
CHEM - CHEMICAL ANALYSIS
OVC - ORGANIC VAPOR CONCENTRATION
INF - INFILTRATION
▼ - WATER LEVEL

Depth (Feet)	Depth (Metres)	Elevation (m) BGS 273.08	Symbol	STRATIGRAPHY	Sample Type & Number	OVC ppm	Tests Type	▼ INF
				TOPSOIL (300 mm)				
1		272.77		**SILTY SAND** - some clay, brown, moist				
	0.5							
2								
3		272.16		**TILL** - Silty Sand, some clay, some gravel, grey, moist				
	1.0							
4								
5	1.5							
6		271.25		**END OF TEST PIT:** **NOTE:** - Test pit terminated at 1.8 m bgs - Open and dry upon completion - bgs denotes 'below ground surface'				
	2.0							
7								
8								
	2.5							
9								
	3.0							

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REFERENCE No.: 12637390

ENCLOSURE No.: B-20

TEST PIT No.: TP10-24

ELEVATION: 270.38 m

TEST PIT REPORT

CLIENT: Base-Land Developments Inc.

PROJECT: Hydrogeological/Geotechnical Assessment

LOCATION: Bridgenorth, Ontario

DESCRIBED BY: J. Kempt DATE: 10 April 2024

CHECKED BY: L. Ramos DATE: 17 April 2024

LEGEND

GSE - GRAB SAMPLE (environmental)
GS - GRAB SAMPLE (geotechnical)
Cu - SHEAR TEST
CHEM - CHEMICAL ANALYSIS
OVC - ORGANIC VAPOR CONCENTRATION
INF - INFILTRATION
▼ - WATER LEVEL

Depth (Feet)	Depth (Metres)	Elevation (m) BGS 270.38	Symbol	STRATIGRAPHY	Sample Type & Number	OVC ppm	Tests Type	▼ INF
				TOPSOIL (300 mm)				
1		270.07		**SILTY SAND** - some clay, brown, moist				
	0.5							
2		269.61		**TILL** - Silty Sand, some clay, some gravel, grey, moist				
3								
	1.0							
4								
				Groundwater seepage at 1.4 m bgs				
5	1.5							
6								
	2.0							
7		268.24		**END OF TEST PIT:** **NOTE:** - Test pit terminated at 2.1 m bgs - bgs denotes 'below ground surface'				
8								
	2.5							
9								
	3.0							

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Appendix C

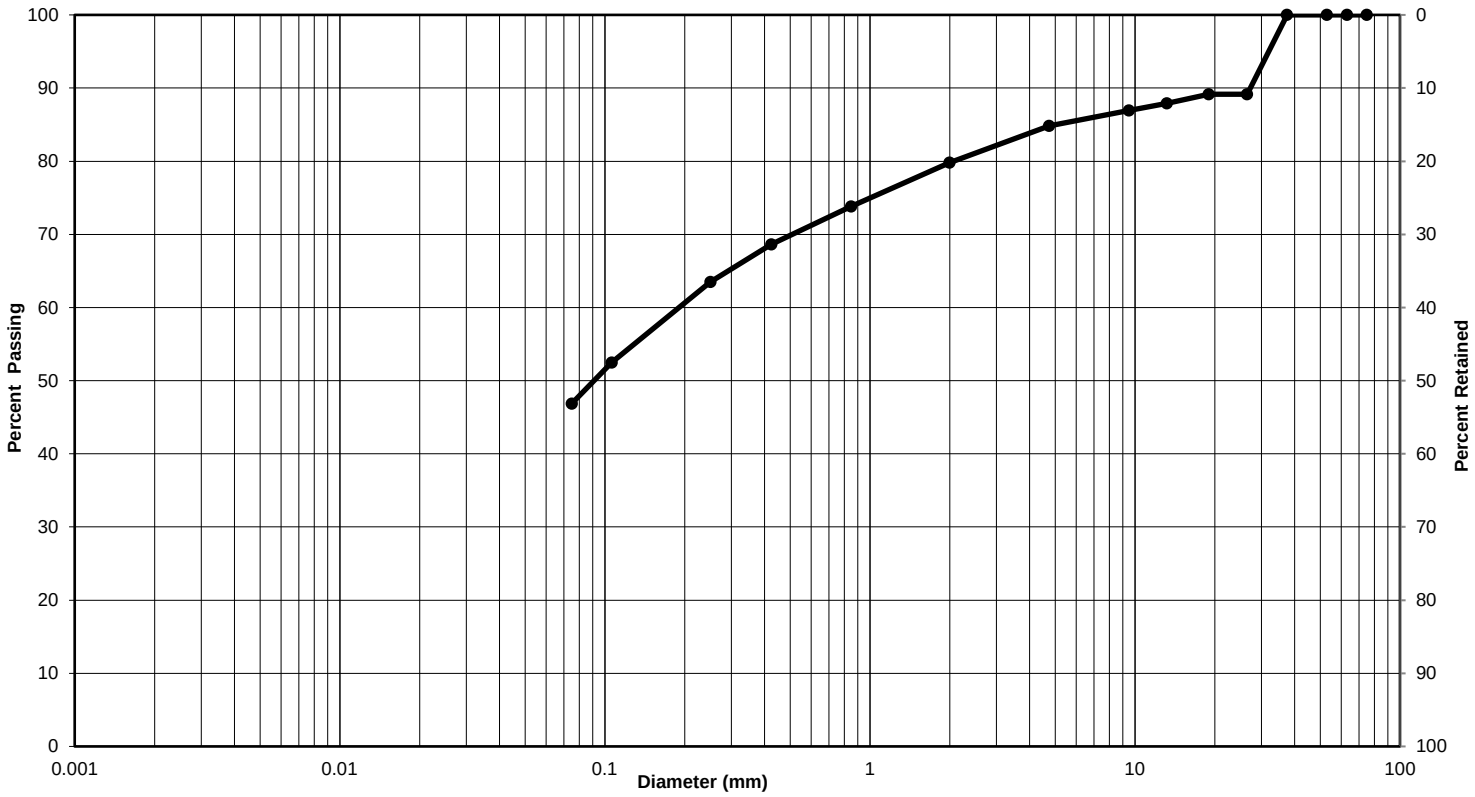
Geotechnical Laboratory Testing Results

Particle-Size Analysis of Soils

MTO LS-702 (Geotechnical)

Client:	Base-Land Development Inc.	**Lab No.:**	SS-24-18
Project/Site:	Bridgenorth, ON - Hydrogeological & Geotechnical	**Project No.:**	12637390

Borehole No.:	BH3A/B-24	Sample No.:	SS2
Depth:	0.8-1.4 m	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 (%)
Fines and sand, some gravel	15	38	47

Additional laboratory reporting information available upon request.

Remarks:

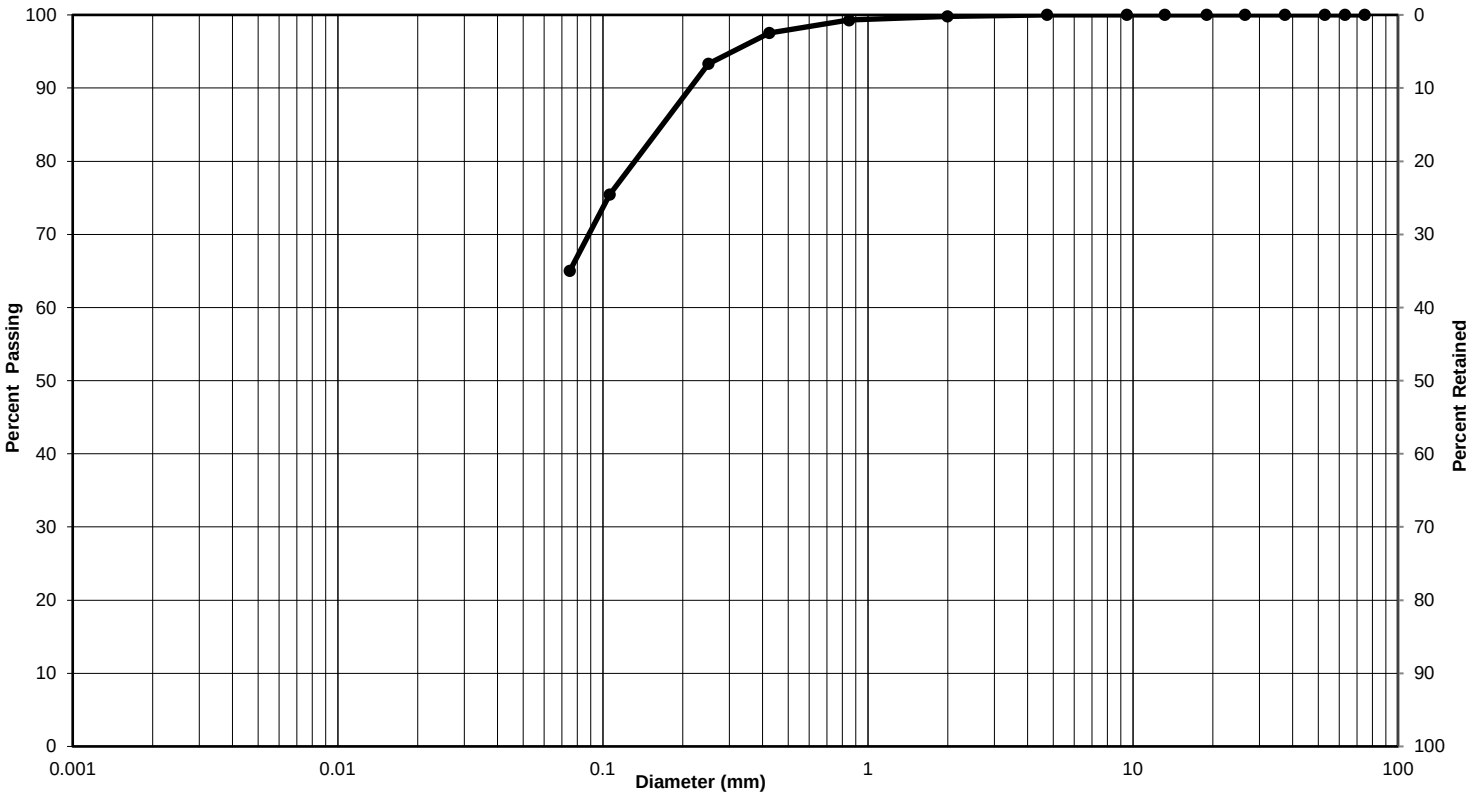
Performed by:	Josh Sullivan	**Date:**	April 18, 2024
Verified by:	Joe Sullivan	**Date:**	April 18, 2024
Laboratory Location:	GHD Limited - 347 Pido Road, Unit 29, Peterborough, ON		

Particle-Size Analysis of Soils

MTO LS-702 (Geotechnical)

Client:	Base-Land Development Inc.	**Lab No.:**	SS-24-18
Project/Site:	Bridgenorth, ON - Hydrogeological & Geotechnical	**Project No.:**	12637390

Borehole No.:	BH4A/B-24	Sample No.:	SS1B
Depth:	0.3 - 0.6 m	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 (%)
Fines and sand	0	35	65

Additional laboratory reporting information available upon request.

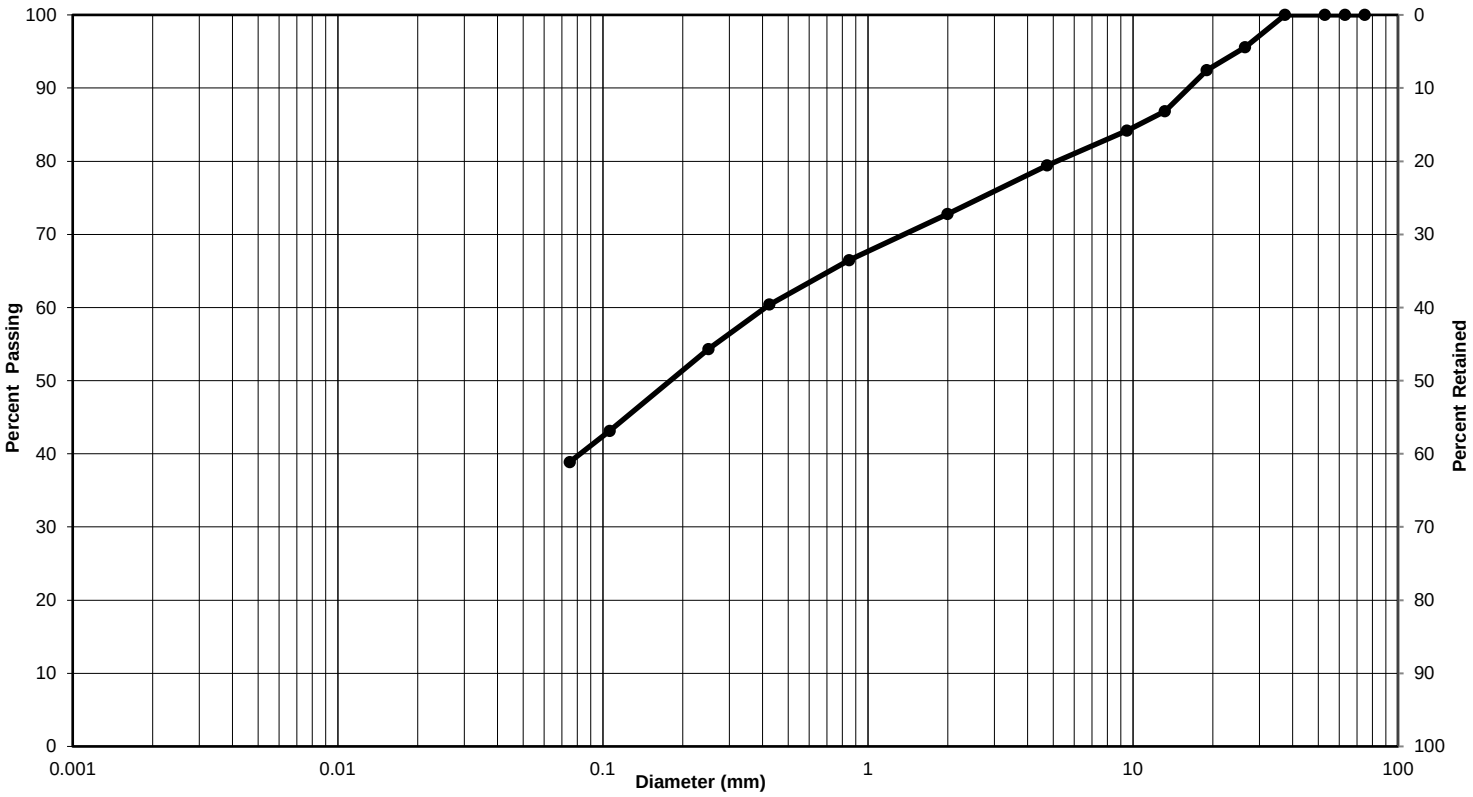
Remarks:

Performed by:	Josh Sullivan	**Date:**	April 18, 2024
Verified by:	Joe Sullivan	**Date:**	April 18, 2024
Laboratory Location:	GHD Limited - 347 Pido Road, Unit 29, Peterborough, ON		

Particle-Size Analysis of Soils

MTO LS-702 (Geotechnical)

Client:	Base-Land Development Inc.	**Lab No.:**	SS-24-18
Project/Site:	Bridgenorth, ON - Hydrogeological & Geotechnical	**Project No.:**	12637390
Borehole No.:	BH5-24	Sample No.:	SS6
Depth:	4.6-5.2m	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 (%)
Gavelly, sand and fines	21	40	39

Additional laboratory reporting information available upon request.

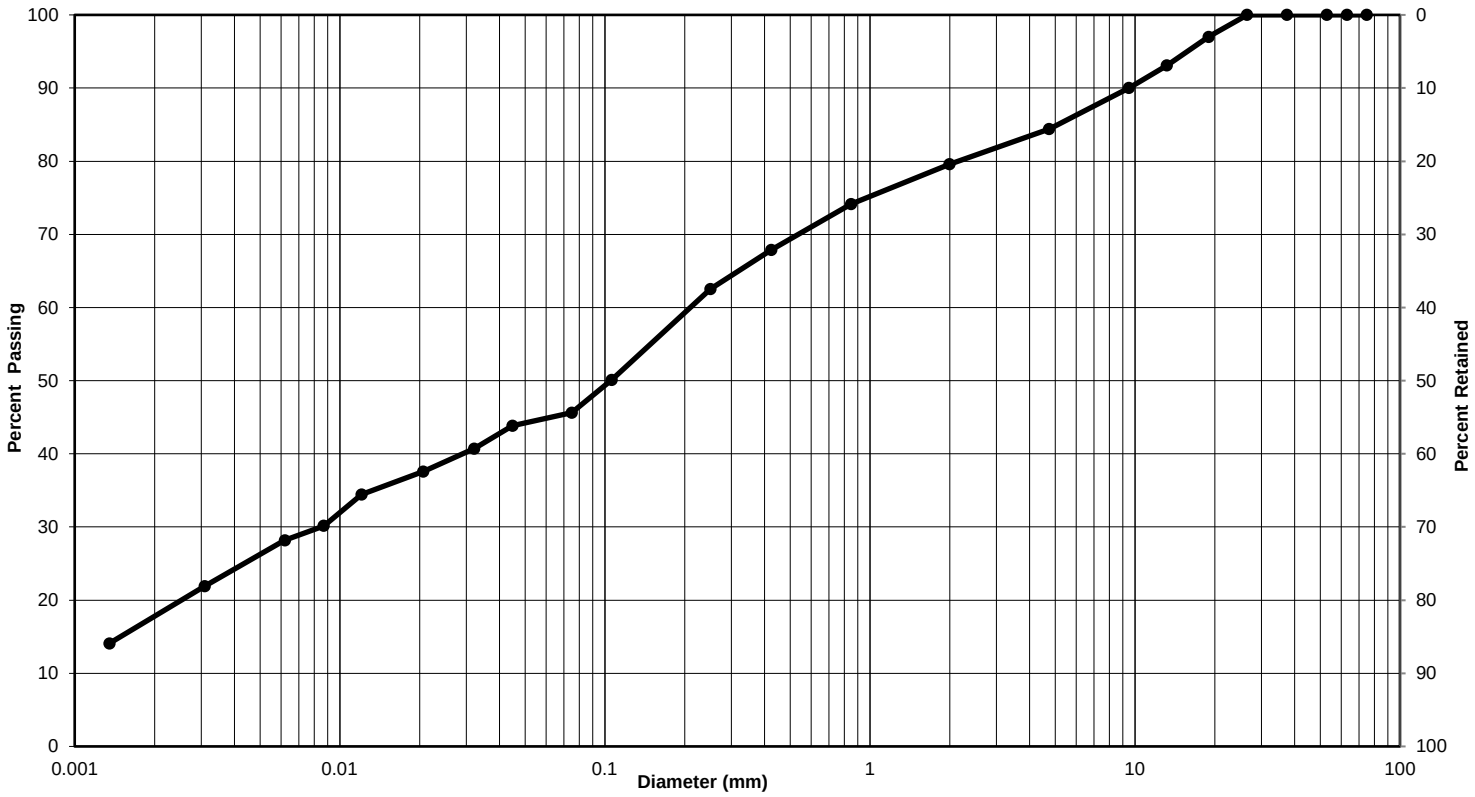
Remarks:

Performed by:	Josh Sullivan	**Date:**	April 18, 2024
Verified by:	Joe Sullivan	**Date:**	April 18, 2024
Laboratory Location:	GHD Limited - 347 Pido Road, Unit 29, Peterborough, ON		

Particle-Size Analysis of Soils

MTO LS-702 (Geotechnical)

Client:	Base-Land Development Inc.	**Lab No.:**	SS-24-18
Project/Site:	Bridgenorth, ON - Hydrogeological & Geotechnical	**Project No.:**	12637390
Borehole No.:	BH1-24	Sample No.:	SS5
Depth:	3.0-3.4m	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, some clay and gravel	16	38	46
Silt-size particles (%) :		29	
Clay-size particles (%) (<0.002 mm):		17	

Additional laboratory reporting information available upon request.

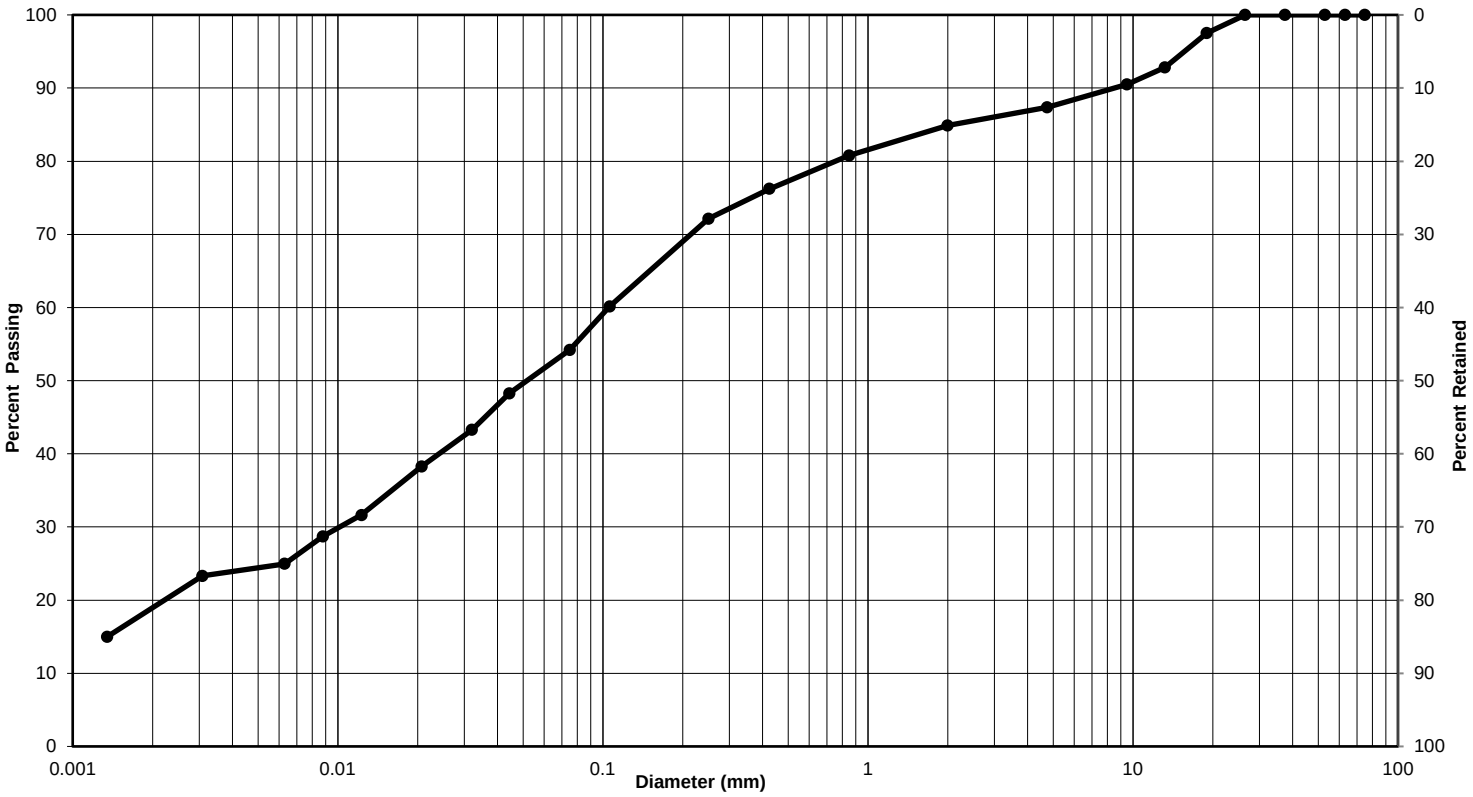
Remarks:

Performed by:	Josh Sullivan	**Date:**	April 18, 2024
Verified by:	Joe Sullivan	**Date:**	April 18, 2024
Laboratory Location:	GHD Limited - 347 Pido Road, Unit 29, Peterborough, ON		

Particle-Size Analysis of Soils

MTO LS-702 (Geotechnical)

Client:	Base-Land Development Inc.	**Lab No.:**	SS-24-18
Project/Site:	Bridgenorth, ON - Hydrogeological & Geotechnical	**Project No.:**	12637390
Borehole No.:	BH3A/B-24	Sample No.:	SS3
Depth:	1.5-2.1m	Enclosure:	C-5



Clay & Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse
Particle-Size Limits as per USCS (ASTM D-2487)					

Soil Description	Gravel (%)	Sand (%)	Clay & Silt (%)
Sandy silt, some clay and gravel	13	33	54
Silt-size particles (%) :	36		
Clay-size particles (%) (<0.002 mm):	18		

Additional laboratory reporting information available upon request.

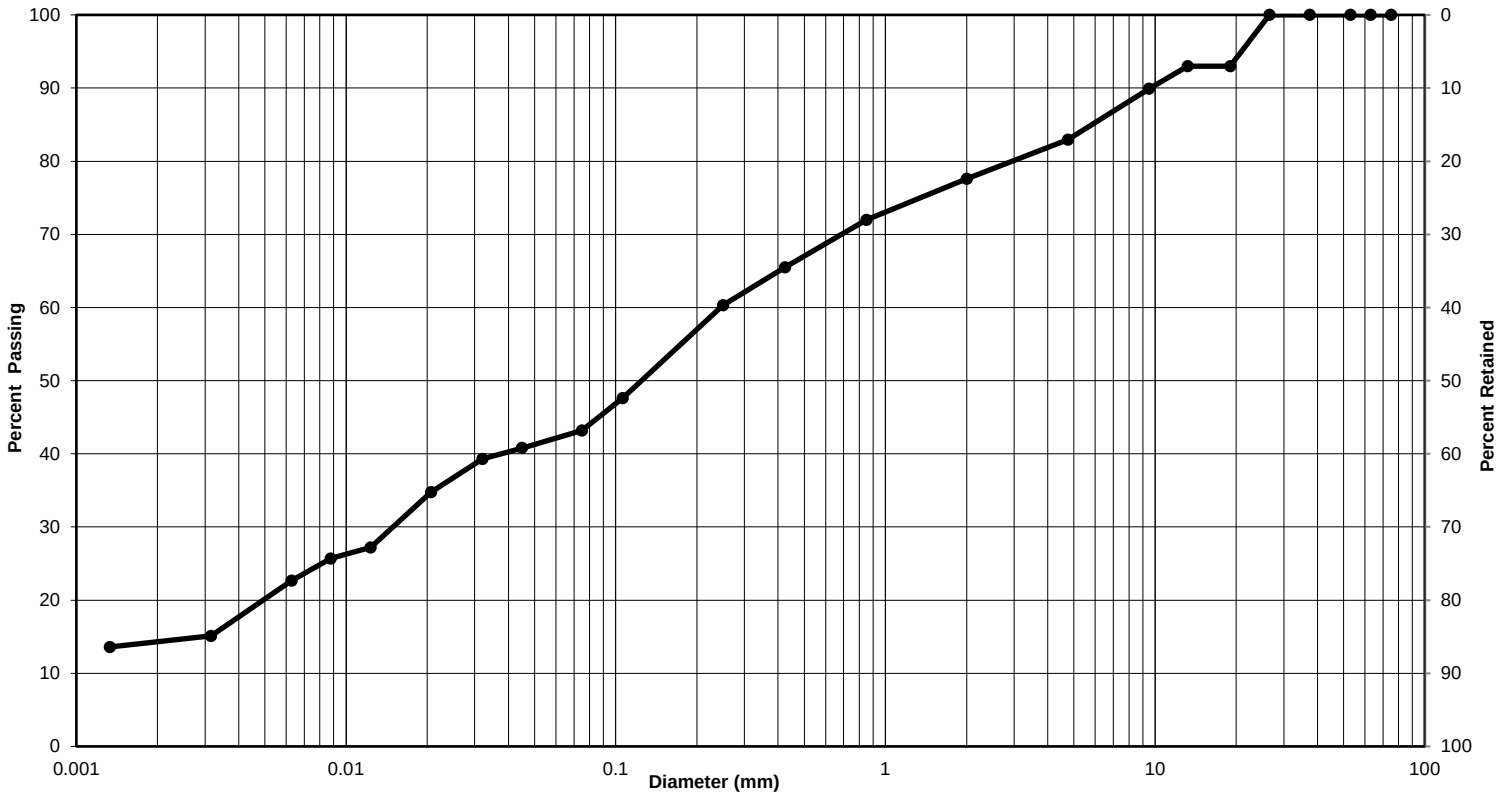
Remarks:

Performed by:	Josh Sullivan	**Date:**	April 18, 2024
Verified by:	Joe Sullivan	**Date:**	April 18, 2024
Laboratory Location:	GHD Limited - 347 Pido Road, Unit 29, Peterborough, ON		

Particle-Size Analysis of Soils

MTO LS-702 (Geotechnical)

Client:	Base-Land Development Inc.	**Lab No.:**	SS-24-18
Project/Site:	Bridgenorth, ON - Hydrogeological & Geotechnical	**Project No.:**	12637390
Borehole No.:	BH5-24	Sample No.:	SS2
Depth:	0.75 - 1.1 m	Enclosure:	C-6



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, some gravel and clay	17	40	43
Silt-size particles (%) :		29	
Clay-size particles (%) (<0.002 mm):		14	

Additional laboratory reporting information available upon request.

Remarks:

Performed by:	Josh Sullivan	**Date:**	May 3, 2024
Verified by:	Joe Sullivan	**Date:**	May 3, 2024
Laboratory Location:	GHD Limited - 347 Pido Road, Unit 29, Peterborough, ON		

Appendix D

Excess Soil Certificates of Analysis

CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: G113733 **REPORT No: 24-009840 - 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: Jake Kempt

DATE RECEIVED: 2024-Apr-11
DATE REPORTED: 2024-Apr-17
SAMPLE MATRIX: Soil

CUSTOMER PROJECT: 12637390/Bridgenorth
P.O. NUMBER:

Analyses	Qty	Site Analyzed	Authorized	Date Analyzed	Lab Method	Reference Method
Conductivity Meter (Solid)	4	OTTAWA	STAILLON	2024-Apr-15	A-COND-03	MECP E3530
Boron-HWS (Solid)	4	OTTAWA	NHOGAN	2024-Apr-15	D-ICP-01	MECP E3470
Chromium VI (Solid)	4	OTTAWA	STAILLON	2024-Apr-15	D-CRVI-02	EPA 7196A
ICP/MS (Solid)	4	OTTAWA	AOZKAYMAK	2024-Apr-16	D-ICPMS-01	EPA 6020B
ICP/OES (Solid)	4	OTTAWA	NHOGAN	2024-Apr-16	D-ICP-02	EPA 6010
Mercury (Solid)	4	OTTAWA	TBENNETT	2024-Apr-16	D-HG-01	EPA 7471A
SAR analysed by ICPOES (Solid)	4	OTTAWA	APRUDYVUS	2024-Apr-17	D-ICP-02	EPA 6010
Moisture	4	KINGSTON	AAUCOIN	2024-Apr-15	% Moisture	SM 2540
pH Meter (Solid)	4	RICHMOND_HILL	JEVANS	2024-Apr-17	pH-03	MECP E3530
PHC F1 (Solid)	4	RICHMOND_HILL	JEVANS	2024-Apr-13	C-VPHS-01	CWS Tier 1
PHC F2-4 (Solid)	4	KINGSTON	STHOMPSON	2024-Apr-16	PHC-S-001	CWS Tier 1
VOC-Volatiles (Solid)	4	RICHMOND_HILL	JEVANS	2024-Apr-13	C-VOC-02	EPA 8260

µg/g = micrograms per gram (parts per million) and is equal to mg/Kg
F1 C6-C10 hydrocarbons in µg/g, (F1-btex if requested)
F2 C10-C16 hydrocarbons in µg/g, (F2-napth if requested)
F3 C16-C34 hydrocarbons in µg/g, (F3-pah if requested)
F4 C34-C50 hydrocarbons in µg/g
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
Any deviations from the method are noted and reported for any particular sample.
nC6 and nC10 response factor is within 30% of response factor for toluene:
nC10,nC16 and nC34 response factors within 10% of each other:
C50 response factors within 70% of nC10+nC16+nC34 average:
Linearity is within 15%:
All results expressed on a dry weight basis.
Unless otherwise noted all chromatograms returned to baseline by the retention time of nC50.

R.L. = Reporting Limit
NC = Not Calculated
Test methods may be modified from specified reference method unless indicated by an *

Unless otherwise noted all extraction, analysis, QC requirements and limits for holding time were met.
If analyzed for F4 and F4G they are not to be summed but the greater of the two numbers are to be used in application to the CWS PHC
QC will be made available upon request.

Michelle Dubien
Data Specialist

The analytical results reported herein refer to the samples as received and relate only to the items tested. Reproduction of this analytical report in full or in part is prohibited without prior consent from Caduceon Environmental Laboratories.

				Client I.D.	TP1-24, GS-1	TP4-24, GS-2	TP8-24, GS-2	TP10-24, GS-3
				Sample I.D.	24-009840-1	24-009840-2	24-009840-3	24-009840-4
				Date Collected	2024-Apr-10	2024-Apr-10	2024-Apr-10	2024-Apr-10
Parameter	**Units**	**R.L.**	**Limits**	**Reg 153/406**	-	-	-	-
Conductivity @25°C	mS/cm	0.001	0.47, 0.57	T1AG, T1RPI	0.138	0.124	0.123	0.112
pH @25°C	-	-			7.47	7.66	7.64	7.71
Sodium Adsorption Ratio	-	-	1, 2.4	T1AG, T1RPI	0.10	0.07	0.05	0.07
Barium	µg/g	1	210, 220	T1AG, T1RPI	63	49	63	54
Beryllium	µg/g	0.2	2.5, 2.5	T1AG, T1RPI	0.4	0.3	0.3	0.3
Boron	µg/g	0.5	36, 36	T1AG, T1RPI	2.8	4.2	3.9	4.3
Cadmium	µg/g	0.5	1, 1.2	T1AG, T1RPI	<0.5	<0.5	<0.5	<0.5
Chromium	µg/g	1	67, 70	T1AG, T1RPI	13	10	9	12
Cobalt	µg/g	1	19, 21	T1AG, T1RPI	5	4	4	4
Copper	µg/g	1	62, 92	T1AG, T1RPI	8	9	10	8
Lead	µg/g	5	45, 120	T1AG, T1RPI	5	<5	<5	<5
Molybdenum	µg/g	1	2, 2	T1AG, T1RPI	<1	<1	<1	<1
Nickel	µg/g	1	37, 82	T1AG, T1RPI	8	8	7	8
Vanadium	µg/g	1	86, 86	T1AG, T1RPI	25	19	20	18
Zinc	µg/g	3	290, 290	T1AG, T1RPI	24	20	22	18
Antimony	µg/g	0.5	1, 1.3	T1AG, T1RPI	<0.5	<0.5	<0.5	<0.5
Arsenic	µg/g	0.5	11, 18	T1AG, T1RPI	1.9	1.5	1.4	1.4
Selenium	µg/g	0.5	1.2, 1.5	T1AG, T1RPI	<0.5	<0.5	<0.5	<0.5
Silver	µg/g	0.2	0.5, 0.5	T1AG, T1RPI	<0.2	<0.2	<0.2	<0.2
Thallium	µg/g	0.1	1, 1	T1AG, T1RPI	0.1	<0.1	<0.1	<0.1
Uranium	µg/g	0.1	1.9, 2.5	T1AG, T1RPI	0.5	0.5	0.6	0.5

Michelle Dubien
Data Specialist

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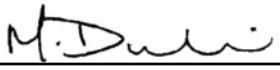
				Client I.D.	TP1-24, GS-1	TP4-24, GS-2	TP8-24, GS-2	TP10-24, GS-3
				Sample I.D.	24-009840-1	24-009840-2	24-009840-3	24-009840-4
				Date Collected	2024-Apr-10	2024-Apr-10	2024-Apr-10	2024-Apr-10
Parameter	**Units**	**R.L.**	**Limits**	**Reg 153/406**	-	-	-	-
Boron (HWS)	µg/g	0.02			0.02	<0.02	<0.02	<0.02
Chromium (VI)	µg/g	0.2	0.66, 0.66	T1AG, T1RPI	<0.2	<0.2	<0.2	<0.2
Mercury	µg/g	0.01	0.16, 0.27	T1AG, T1RPI	0.03	<0.01	<0.01	<0.01



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Data Specialist

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				Client I.D.	TP1-24, GS-1	TP4-24, GS-2	TP8-24, GS-2	TP10-24, GS-3
				Sample I.D.	24-009840-1	24-009840-2	24-009840-3	24-009840-4
				Date Collected	2024-Apr-10	2024-Apr-10	2024-Apr-10	2024-Apr-10
Parameter	**Units**	**R.L.**	**Limits**	**Reg 153/406**	-	-	-	-
Acetone	µg/g	0.5	0.5, 0.5	T1AG, T1RPI	<0.5	<0.5	<0.5	<0.5
Benzene	µg/g	0.02	0.02, 0.02	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Bromodichloromethane	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Bromoform	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Bromomethane	µg/g	0.05	0.0, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	µg/g	0.05	0.05, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Chloroform	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Dibromochloromethane	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Ethylene Dibromide	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Dichlorobenzene,1,2-	µg/g	0.05	0.05, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene,1,3-	µg/g	0.05	0.05, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene,1,4-	µg/g	0.05	0.05, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane (Freon 12)	µg/g	0.05	0.05, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Dichloroethane,1,1-	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Dichloroethane,1,2-	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Dichloroethylene,1,1-	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Dichloroethylene,1,2-cis-	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Dichloroethylene,1,2-trans-	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Dichloropropane,1,2-	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Dichloropropene,1,3-cis-	µg/g	0.02			<0.02	<0.02	<0.02	<0.02

Michelle Dubien
Data Specialist

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				Client I.D.	TP1-24, GS-1	TP4-24, GS-2	TP8-24, GS-2	TP10-24, GS-3
				Sample I.D.	24-009840-1	24-009840-2	24-009840-3	24-009840-4
				Date Collected	2024-Apr-10	2024-Apr-10	2024-Apr-10	2024-Apr-10
Parameter	Units	R.L.	Limits	Reg 153/406	-	-	-	-
Dichloropropene,1,3-cis+trans-(Calculated)	µg/g	0.02	0.05, 0.05	T1RPI, T1AG	<0.02	<0.02	<0.02	<0.02
Dichloropropene,1,3-trans-	µg/g	0.02			<0.02	<0.02	<0.02	<0.02
Ethylbenzene	µg/g	0.05	0.05, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Hexane	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Dichloromethane (Methylene Chloride)	µg/g	0.05	0.05, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone	µg/g	0.5	0.5, 0.5	T1AG, T1RPI	<0.5	<0.5	<0.5	<0.5
Methyl Isobutyl Ketone	µg/g	0.5	0.5, 0.5	T1AG, T1RPI	<0.5	<0.5	<0.5	<0.5
Methyl tert-Butyl Ether (MTBE)	µg/g	0.05	0.05, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Styrene	µg/g	0.05	0.05, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane,1,1,1,2-	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Tetrachloroethane,1,1,2,2-	µg/g	0.05	0.05, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	µg/g	0.05	0.05, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Toluene	µg/g	0.2	0.2, 0.2	T1AG, T1RPI	<0.2	<0.2	<0.2	<0.2
Trichloroethane,1,1,1-	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Trichloroethane,1,1,2-	µg/g	0.02	0.05, 0.05	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Trichloroethylene	µg/g	0.05	0.05, 0.05	T1AG, T1RPI	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane (Freon 11)	µg/g	0.02	0.05, 0.25	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Vinyl Chloride	µg/g	0.02	0.02, 0.02	T1AG, T1RPI	<0.02	<0.02	<0.02	<0.02
Xylene, m,p-	µg/g	0.03			<0.03	<0.03	<0.03	<0.03
Xylene, m,p,o-	µg/g	0.03	0.05, 0.05	T1AG, T1RPI	<0.03	<0.03	<0.03	<0.03
Xylene, o-	µg/g	0.03			<0.03	<0.03	<0.03	<0.03

Michelle Dubien
Data Specialist

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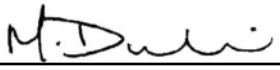
				Client I.D.	TP1-24, GS-1	TP4-24, GS-2	TP8-24, GS-2	TP10-24, GS-3
				Sample I.D.	24-009840-1	24-009840-2	24-009840-3	24-009840-4
				Date Collected	2024-Apr-10	2024-Apr-10	2024-Apr-10	2024-Apr-10
Parameter	**Units**	**R.L.**	**Limits**	**Reg 153/406**	-	-	-	-
PHC F1 (C6-C10)	µg/g	10	17, 25	T1AG, T1RPI	<10	<10	<10	<10
PHC F2 (>C10-C16)	µg/g	5	10, 10	T1AG, T1RPI	<5	<5	<5	<5
PHC F3 (>C16-C34)	µg/g	10	240, 240	T1AG, T1RPI	<10	<10	<10	<10
PHC F4 (>C34-C50)	µg/g	10	120, 120	T1AG, T1RPI	<10	<10	<10	<10
Moisture	%	-			17.1	7.42	8.21	9.94

Reg 153/406: Reg 153/406
T1AG: R406 Tbl. 1 - Agricultural
T1RPI: R406 Tbl. 1 - RPI



Michelle Dubien
Data Specialist

The analytical results reported herein refer to the samples as received and relate only to the items tested. Reproduction of this analytical report in full or in part is prohibited without prior consent from Caduceon Environmental Laboratories.

Appendix E

Infiltration Testing Results

Appendix E.1: Percolation Rate Testing (in-situ)

Project No.: 12637390
Date: April 10 and 22, 2024
Equipment: ETC Pask Permeameter

Test ID.:	**INF-01**	**INF-02**	**INF-03**	**INF-04**
Location:	**East area of site**	**TP2-24**	**TP9-24**	**Northeast area of site**
Depth of hole:	**0.3 mbgs**	**0.4 mbgs**	**0.4 mbgs**	**0.4 mbgs**

Elapsed Time (minutes)	Permeameter Reading (cm)	Rate (cm/min)
0.0	42.5	--
0.5	42.4	0.20
1.0	42.4	0.00
1.5	42.4	0.00
2.0	42.3	0.20
2.5	42.3	0.00
3.0	42.3	0.00
4.0	42.3	0.00
7.0	42.3	0.00
10.0	42.2	0.03
13.0	42.2	0.00
16.0	42.2	0.00
19.0	42.1	0.03
23.3	42.0	0.02
24.2	41.9	0.11
25.4	41.8	0.08
26.6	41.7	0.08

Elapsed Time (minutes)	Permeameter Reading (cm)	Rate (cm/min)
0.0	43.9	--
0.5	43.5	0.80
1.0	43.5	0.00
1.5	43.5	0.00
2.0	43.5	0.00
3.0	43.5	0.00
4.0	43.5	0.00
6.0	43.4	0.05
8.0	43.4	0.00
10.0	43.4	0.00
12.0	43.4	0.00
14.0	43.3	0.05
18.0	43.3	0.00
22.0	43.3	0.00
26.0	43.3	0.00
27.8	43.2	0.06

Elapsed Time (minutes)	Permeameter Reading (cm)	Rate (cm/min)
0.0	41.9	--
0.5	41.9	0.00
1.5	41.9	0.00
2.0	41.8	0.20
2.5	41.7	0.20
3.0	41.6	0.20
3.5	41.5	0.20
4.0	41.4	0.20
4.5	41.3	0.20
5.0	41.2	0.20
5.5	41.1	0.20
6.0	41.0	0.20
7.0	40.8	0.20
8.0	40.6	0.20
10.0	40.2	0.20

Elapsed Time (minutes)	Permeameter Reading (cm)	Rate (cm/min)
0.0	45.2	--
0.5	45.2	0.00
1.0	45.2	0.00
2.0	45.2	0.00
2.5	45.2	0.00
3.0	45.2	0.00
4.0	45.2	0.00
5.0	45.2	0.00
6.0	45.2	0.00
7.0	45.2	0.00
8.0	45.2	0.00
10.0	45.1	0.05
30.0	44.4	0.04
45.0	42.5	0.13
65.0	42.2	0.01
75.0	41.7	0.05
80.0	41.3	0.08
85.0	41.1	0.04
90.0	40.8	0.06
95.0	40.5	0.06

Quasi Steady Flow Rate ®				
(cm/min)	0.03	0.025	0.20	0.05
	Over duration of the testing	Over duration of the testing		Over duration of the testing
Field-Saturated Hydraulic Conductivity (Kfs)				
(m/sec)	9.40E-08	7.80E-08	6.30E-07	1.60E-07
Estimated Infiltration Rate = (Kfs / 6E-11) exp (3.7363^-1)				
(mm/hr)	25	23	41	28
Estimated Percolation Rate (T)* (min/cm)	**24**	**26**	**15**	**21**

*Based upon the relationship of Infiltration Rate = 1/T

Appendix E.2: Percolation Rate Testing (in-situ)

Project No.: 12637390
Date: April 10 and 22, 2024
Equipment: ETC Pask Permeameter

Test ID.:	**INF-05**	**INF-06**	**INF-07**
Location:	**Northwest area of site**	**Southeast area of site**	**Southwest area of site**
Depth of hole:	**0.4 mbgs**	**0.4 mbgs**	**0.4 mbgs**

Elapsed Time (minutes)	Permeameter Reading (cm)	Rate (cm/min)
0.0	44.6	--
1.0	44.5	0.10
2.5	44.4	0.07
3.0	44.3	0.20
4.0	44.1	0.20
5.0	43.9	0.20
6.0	43.7	0.20
7.0	43.5	0.20
8.0	43.3	0.20
9.0	43.1	0.20
10.0	42.9	0.20

Elapsed Time (minutes)	Permeameter Reading (cm)	Rate (cm/min)
0.0	43.0	--
1.0	43.0	0.00
2.0	43.0	0.00
2.5	42.9	0.20
3.0	42.9	0.00
4.0	42.9	0.00
5.0	42.9	0.00
6.0	42.9	0.00
8.0	42.9	0.00
10.0	42.9	0.00
15.0	42.6	0.06
20.0	42.1	0.10
25.0	41.7	0.08
30.0	41.1	0.12
35.0	40.7	0.08
40.0	40.3	0.08
45.0	39.8	0.10
50.0	39.4	0.08
55.0	38.9	0.10
60.0	38.5	0.08
70.0	37.6	0.09

Elapsed Time (minutes)	Permeameter Reading (cm)	Rate (cm/min)
0.0	40.6	--
1.0	40.2	0.40
3.0	39.2	0.50
4.0	39.0	0.20
5.0	38.7	0.30
10.0	37.9	0.16
16.0	37.0	0.15
19.0	36.6	0.13
22.0	36.3	0.10
25.0	35.9	0.13
31.0	35.1	0.13
37.0	34.1	0.17
43.0	33.4	0.12
49.0	32.5	0.15
55.0	31.7	0.13
61.0	30.8	0.15
67.0	30.0	0.13
73.0	29.0	0.17
78.0	28.2	0.16
84.0	27.4	0.13
90.0	26.5	0.15
96.0	25.6	0.15

Quasi Steady Flow Rate ® (cm/min)	0.20	0.08 Over duration of the testing	0.16 Over duration of the testing
Field-Saturated Hydraulic Conductivity (Kfs) (m/sec)	6.30E-07	2.50E-07	4.70E-07
Estimated Infiltration Rate = (Kfs / 6E-11) exp (3.7363^-1) (mm/hr)	41	32	38
Estimated Percolation Rate (T)* (min/cm)	**15**	**19**	**16**

*Based upon the relationship of Infiltration Rate = 1/T

Appendix F

Water Balance Calculations

Appendix F.1

Water Budget (Thornthwaite Method 1948) - Average Values*

Peterborough Trent U 1981 - 2010 **Elevation:** 198.10 masl **Distance Away:** ~ 6.6 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	-8.4	0	0	0.82	0	57.3	57.30	
February	-6.5	0	0	0.82	0	48.8	48.80	
March	-1.3	0	0	1.03	0	56.5	56.50	
April	6.3	1.42	28.62	1.1	31.48	66.4	34.92	
May	12.8	4.15	61.37	1.25	76.72	88.7	11.98	
June	18	6.95	88.58	1.27	112.50	83	0.00	29.50
July	20.7	8.59	102.96	1.29	132.82	73.6	0.00	59.22
August	19.4	7.79	96.02	1.15	110.42	87	0.00	23.42
September	15	5.28	72.80	1.04	75.71	92.4	16.69	
October	8.4	2.19	39.00	0.94	36.66	77	40.34	
November	2.4	0.33	10.13	0.8	8.10	85.5	77.40	
December	-4	0	0	0.78	0	66	66.00	
TOTAL	6.9	36.7	499.5		584.4	882.2	409.9	112.1
				TOTAL WATER SURPLUS:		297.8	mm	

Notes:

Oshawa WPCP weather station utilized: 43^{o} 52' N, 78^{o} 50' W

*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

Total Moisture Surplus is calculated as total precipitation minus actual evapotranspiration

Formulas utilized:

$I = (T_i/5)^{1.514}$

$E=0$ when $T_i<0$ ^{o}C

$E=16(10T_i/I_{tot})^{a}$ when $0<T_i<26.5$ ^{o}C

$E=-415.85+32.24T_i-0.43T_i^{2}$ when $T_i>26.5$ ^{o}C

$a=6.7x10^{-7}I^{3}-7.71x10^{-5}I^{2}+1.79x10^{-2}I+0.49$

a = 1.076272213

Appendix F.2

Water Budget Pre-Development

Catchment Designation	PRE-DEVELOPMENT SITE	
	Treed/Grass	Total
Area (m^2)	152000	152000
Pervious Area (m^2)	152000	152000
Impervious Area (m^2)	0	0
INFILTRATION FACTORS		
Topography Infiltration Factor	0.15	
Soil Infiltration Factor	0.2	
Land Cover Infiltration Factor	0.2	
MOE Infiltration Factor	0.55	
Actual Infiltration Factor	0.55	
Runoff Coefficient	0.45	
Runoff from Impervious Surfaces*	0	
INPUTS (PER UNIT AREA)		
Precipitation (mm/yr)	882	882
Run On (mm/yr)	0	0
Other Inputs (mm/yr)	0	0
Total Inputs (mm/yr)	882	882
OUTPUTS (PER UNIT AREA)		
Precipitation Surplus (mm/yr)	298	298
Net Surplus (mm/yr)	298	298
Evaportranspiration (mm/yr)	584	584
Infiltration (mm/yr)	164	164
Rooftop Infiltration (mm/yr)	0	0
Total Infiltration (mm/yr)	164	164
Runoff Pervious Areas	134	134
Runoff Impervious Areas	0	0
Total Runoff (mm/yr)	134	134
Total Outputs (mm/yr)	882	882
Difference (Inputs - Outputs)	0	0
INPUTS (VOLUMES)		
Precipitation (m^3/yr)	134094	134094
Run On (m^3/yr)	0	0
Other Inputs (m^3/yr)	0	0
Total Inputs (m^3/yr)	134094	134094
OUTPUTS (VOLUMES)		
Precipitation Surplus (m^3/yr)	45264	45264
Net Surplus (m^3/yr)	45264	45264
Evaportranspiration (m^3/yr)	88830	88830
Infiltration (m^3/yr)	24895	24895
Rooftop Infiltration (m^3/yr)	0	0
Total Infiltration (m^3/yr)	24895	24895
Runoff Pervious Areas (m^3/yr)	20369	20369
Runoff Impervious Areas (m^3/yr)	0	0
Total Runoff (m^3/yr)	20369	20369
Total Outputs (m^3/yr)	134094	134094
Difference (Inputs - Outputs)	0	0

Notes:

Total area does not include blocks in which the intended land use has

Appendix F.3

Water Budget Post-Development - No Mitigation Strategies

Catchment Designation	POST-DEVELOPMENT SITE no MITIGATION						
	Lawn	Driveways	Asphalt Roads	Open Space / Park	Stormwater Pond	Rooftops Single Detached	Total
Area (m^2)	57550	11000	13550	8200	6700	55000	152000
Pervious Area (m^2)	57550	0	0	8200	0	0	65750
Impervious Area (m^2)	0	11000	13550	0	6700	55000	86250
INFILTRATION FACTORS							
Topography Infiltration Factor	0.15	0.15	0.15	0.15	0.15	0.15	
Soil Infiltration Factor	0.2	0.2	0.2	0.2	0	0.2	
Land Cover Infiltration Factor	0.15	0	0	0.15	0	0	
MOE Infiltration Factor	0.5	0.35	0.35	0.5	0.15	0.35	
Actual Infiltration Factor	0.5	0	0	0.5	0.05	0	
Runoff Coefficient	0.5	1	1	0.5	0.95	1	
Runoff from Impervious Surfaces*	0	0.8	0.8	0	0.8	0.8	
INPUTS (PER UNIT AREA)							
Precipitation (mm/yr)	882	882	882	882	882	882	882
Run On (mm/yr)	0	0	0	0	0	0	0
Other Inputs (mm/yr)	0	0	0	0	0	0	0
Total Inputs (mm/yr)	882	882	882	882	882	882	882
OUTPUTS (PER UNIT AREA)							
Precipitation Surplus (mm/yr)	298	706	706	298	706	706	498
Net Surplus (mm/yr)	298	706	706	298	706	706	498
Evaportranspiration (mm/yr)	584	176	176	584	176	176	345
Infiltration (mm/yr)	149	0	0	149	35	0	64
Rooftop Infiltration (mm/yr)	0	0	0	0	0	0	0
Total Infiltration (mm/yr)	149	0	0	149	35	0	64
Runoff Pervious Areas	149	0	0	149	670	0	64
Runoff Impervious Areas	0	706	706	0	0	706	369
Total Runoff (mm/yr)	149	706	706	149	670	706	434
Total Outputs (mm/yr)	882	882	882	882	882	882	843
Difference (Inputs - Outputs)	0	0	0	0	0	0	0
INPUTS (VOLUMES)							
Precipitation (m^3/yr)	50771	9704	11954	7234	5911	48521	134094
Run On (m^3/yr)	0	0	0	0	0	0	0
Other Inputs (m^3/yr)	0	0	0	0	0	0	0
Total Inputs (m^3/yr)	50771	9704	11954	7234	5911	48521	134094
OUTPUTS (VOLUMES)							
Precipitation Surplus (m^3/yr)	17138	7763	9563	2442	4729	38817	80451
Net Surplus (m^3/yr)	17138	7763	9563	2442	4729	38817	80451
Evaportranspiration (m^3/yr)	33633	1941	2391	4792	1182	9704	53643
Infiltration (m^3/yr)	8569	0	0	1221	236	0	10026
Rooftop Infiltration (m^3/yr)	0	0	0	0	0	0	0
Total Infiltration (m^3/yr)	8569	0	0	1221	236	0	10026
Runoff Pervious Areas (m^3/yr)	8569	0	0	1221	4492	0	14282
Runoff Impervious Areas (m^3/yr)	0	7763	9563	0	0	38817	56143
Total Runoff (m^3/yr)	8569	7763	9563	1221	4492	38817	70425
Total Outputs (m^3/yr)	50771	9704	11954	7234	5911	48521	134094
Difference (Inputs - Outputs)	0	0	0	0	0	0	0

Notes:

*Evaporation from impervious areas was assumed to be 20% of precipitation.

Appendix F.4

Water Budget Post-Development - With Mitigation Strategies

Catchment Designation	POST-DEVELOPMENT SITE with MITIGATION						
	Lawn	Driveways	Asphalt Roads	Open Space / Park	Stormwater Pond	Rooftops Single Detached	Total
Area (m^2)	57550	11000	13550	8200	6700	55000	152000
Pervious Area (m^2)	57550	0	0	8200	0	0	65750
Impervious Area (m^2)	0	11000	13550	0	6700	55000	86250
INFILTRATION FACTORS							
Topography Infiltration Factor	0.15	0.2	0.15	0.15	0.15	0.15	
Soil Infiltration Factor	0.2	0.2	0.2	0.2	0	0.2	
Land Cover Infiltration Factor	0.15	0	0	0.15	0	0	
MOE Infiltration Factor	0.5	0.4	0.35	0.5	0.15	0.35	
Actual Infiltration Factor	0.5	0	0	0.5	0.05	0	
Runoff Coefficient	0.5	1	1	0.5	0.95	1	
Runoff from Impervious Surfaces*	0	0.8	0.8	0	0.8	0.8	
INPUTS (PER UNIT AREA)							
Precipitation (mm/yr)	882	882	882	882	882	882	882
Run On (mm/yr)	0	0	0	0	0	0	0
Other Inputs (mm/yr)	0	0	0	0	0	0	0
Total Inputs (mm/yr)	882	882	882	882	882	882	882
OUTPUTS (PER UNIT AREA)							
Precipitation Surplus (mm/yr)	298	706	706	298	706	706	529
Net Surplus (mm/yr)	298	706	706	298	706	706	529
Evaportranspiration (mm/yr)	584	176	176	584	176	176	353
Infiltration (mm/yr)	149	0	0	149	35	0	66
% Rooftop to balance infiltration	--	--	--	--	--	38%	--
Rooftop Infiltration (mm/yr)	0	0	0	0	0	268	97
Total Infiltration (mm/yr)	149	0	0	149	35	268	163
Runoff Pervious Areas	149	0	0	149	0	0	64
Runoff Impervious Areas	0	706	706	0	670	438	302
Total Runoff (mm/yr)	149	706	706	149	670	438	366
Total Outputs (mm/yr)	882	882	882	882	882	882	882
Difference (Inputs - Outputs)	0	0	0	0	0	0	0
INPUTS (VOLUMES)							
Precipitation (m^3/yr)	50771	9704	11954	7234	5911	48521	134094
Run On (m^3/yr)	0	0	0	0	0	0	0
Other Inputs (m^3/yr)	0	0	0	0	0	0	0
Total Inputs (m^3/yr)	50771	9704	11954	7234	5911	48521	134094
OUTPUTS (VOLUMES)							
Precipitation Surplus (m^3/yr)	17138	7763	9563	2442	4729	38817	80451
Net Surplus (m^3/yr)	17138	7763	9563	2442	4729	38817	80451
Evaportranspiration (m^3/yr)	33633	1941	2391	4792	1182	9704	53643
Infiltration (m^3/yr)	8569	0	0	1221	236	0	10026
Rooftop Infiltration (m^3/yr)	0	0	0	0	0	14750	14750
Total Infiltration (m^3/yr)	8569	0	0	1221	236	14750	24777
Runoff Pervious Areas (m^3/yr)	8569	0	0	1221	0	0	9790
Runoff Impervious Areas (m^3/yr)	0	7763	9563	0	4492	24066	45885
Total Runoff (m^3/yr)	8569	7763	9563	1221	4492	24066	55675
Total Outputs (m^3/yr)	50771	9704	11954	7234	5911	48521	134094
Difference (Inputs - Outputs)	0	0	0	0	0	0	0

Notes:

*Evaporation from impervious areas was assumed to be 20% of precipitation.

Appendix F.5

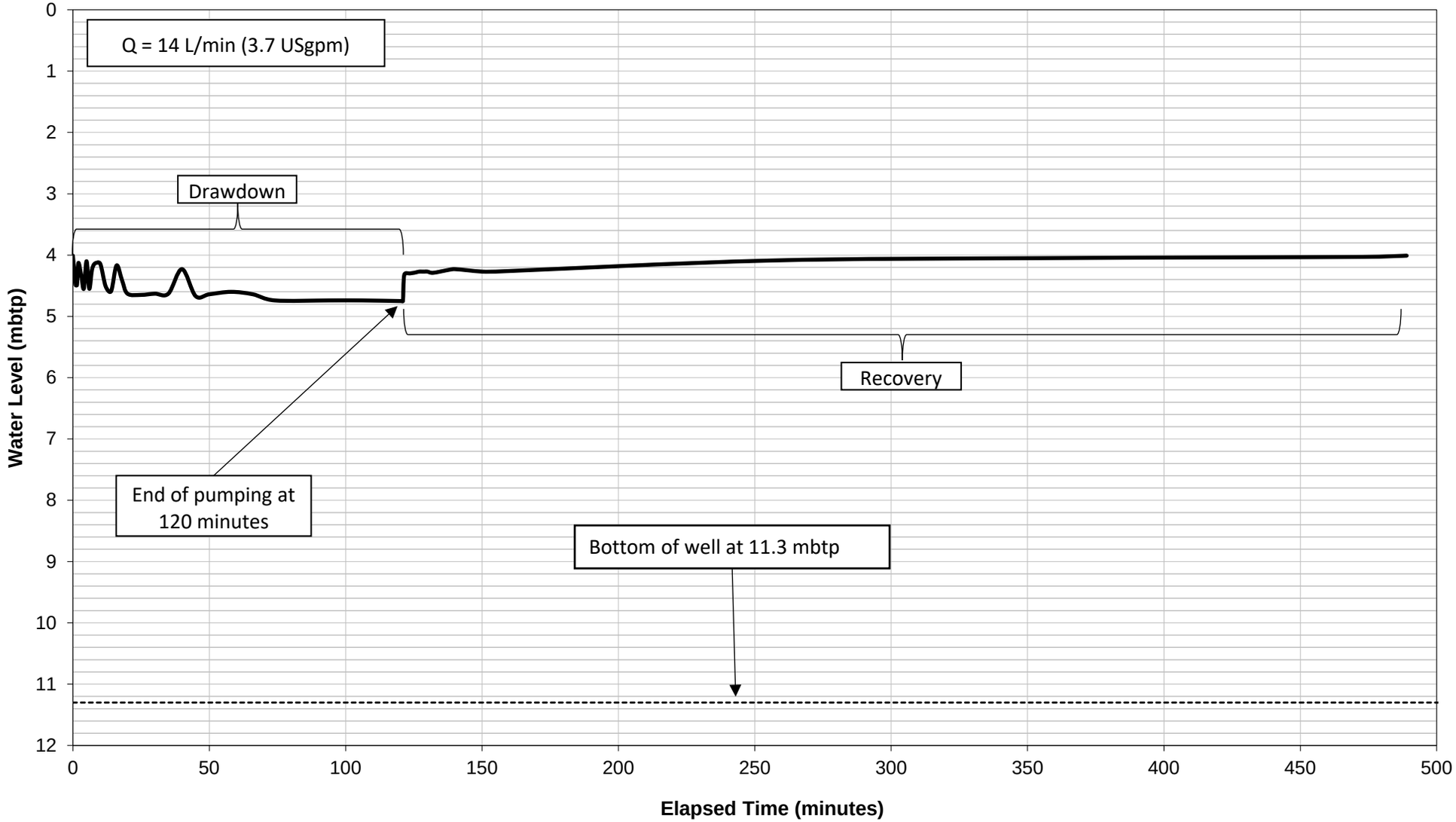
Water Budget Summary

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)	134094	134094	0%	134094	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)	134094	134094	0%	134094	0%
	OUTPUTS (VOLUMES)				
Precipitation Surplus (m^3/yr)	45264	80451	78%	80451	78%
Net Surplus (m^3/yr)	45264	80451	78%	80451	78%
Evapotranspiration (m^3/yr)	88830	53643	-40%	53643	-40%
Infiltration (m^3/yr)	24895	10026	-60%	10026	-60%
Rooftop Infiltration (m^3/yr)	0	0	0%	14750	--
Total Infiltration (m^3/yr)	24895	10026	-60%	24777	0%
Runoff Pervious Areas (m^3/yr)	20369	14282	-30%	9790	-52%
Runoff Impervious Areas (m^3/yr)	0	56143	--	45885	--
Total Runoff (m^3/yr)	20369	70425	246%	55675	173%
Total Outputs (m^3/yr)	134094	134094	0%	134094	0%

Appendix G

Well Record and Aquifer Performance Testing Data

PUMP HISTORY CURVE
966 Burnside Road: September 23, 2024



PUMP HISTORY CURVE

Drilled Well
MECP Well ID: Unknown
Static Level = 4.01 mbtp (3.91 mbgs)

mbtp indicated metres below top of pipe

DATE: JANUARY 2025

LOCATION: 966 Burnside Rd, Bridgenorth, ON

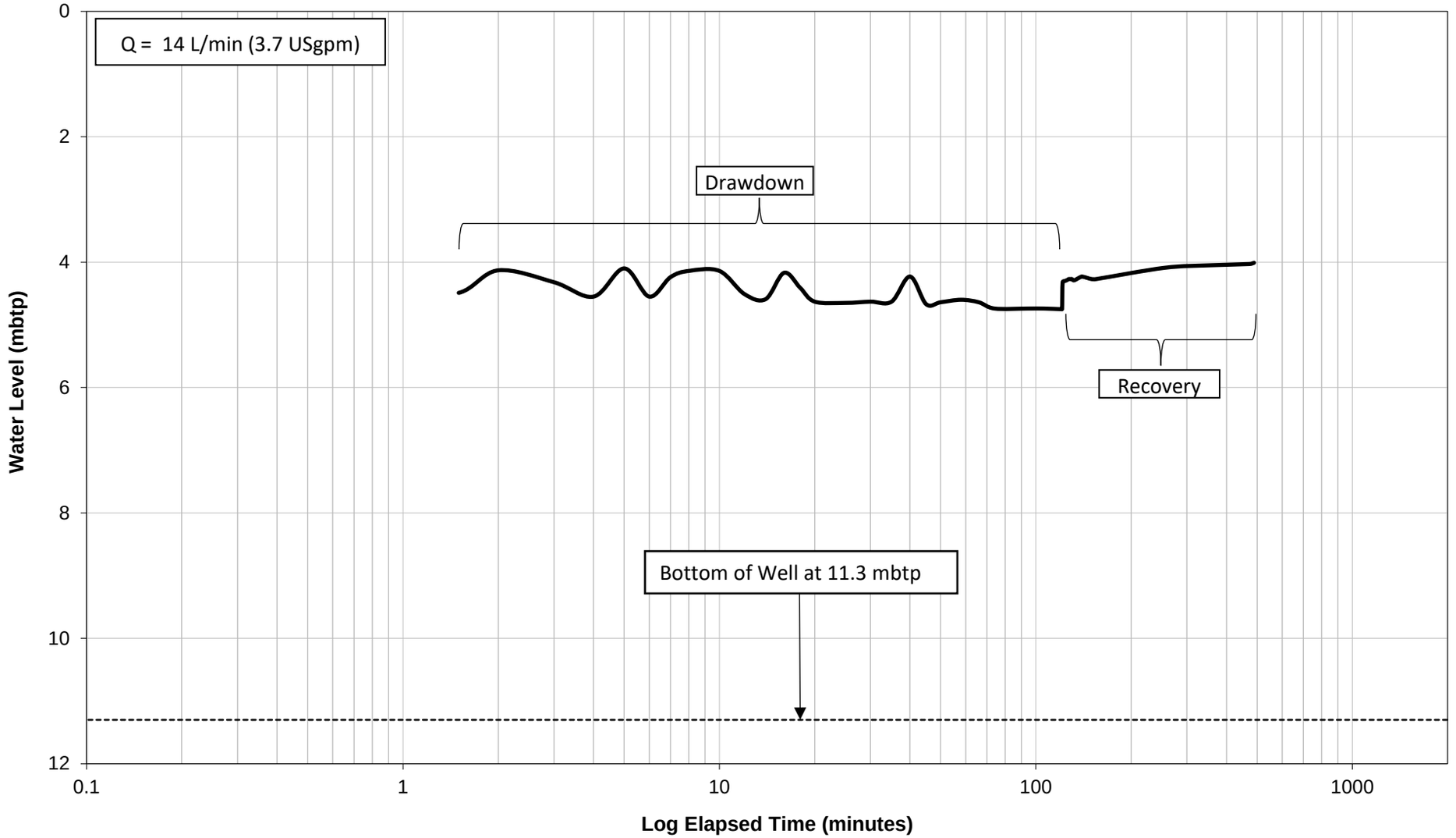
JOB NUMBER: 12637390

DRAWING NUMBER: G-1

GHD

347 PIDO ROAD, UNIT 29
PETERBOROUGH, ON K9J 6X7
www.ghd.com

WATER LEVEL vs. LOG ELAPSED TIME
966 Burnside Road: September 23, 2024



WATER LEVEL vs LOG TIME

Drilled Well
MECP Well ID: Unknown
Static Level = 4.01 mbtp (3.91 mbgs)

Note: mbtp = metres below top of pipe; mbgs = metres below ground surface; Stick up = 0.10 m

DATE: JANUARY 2025

LOCATION: 966 Burnside Road, Bridgenorth, ON

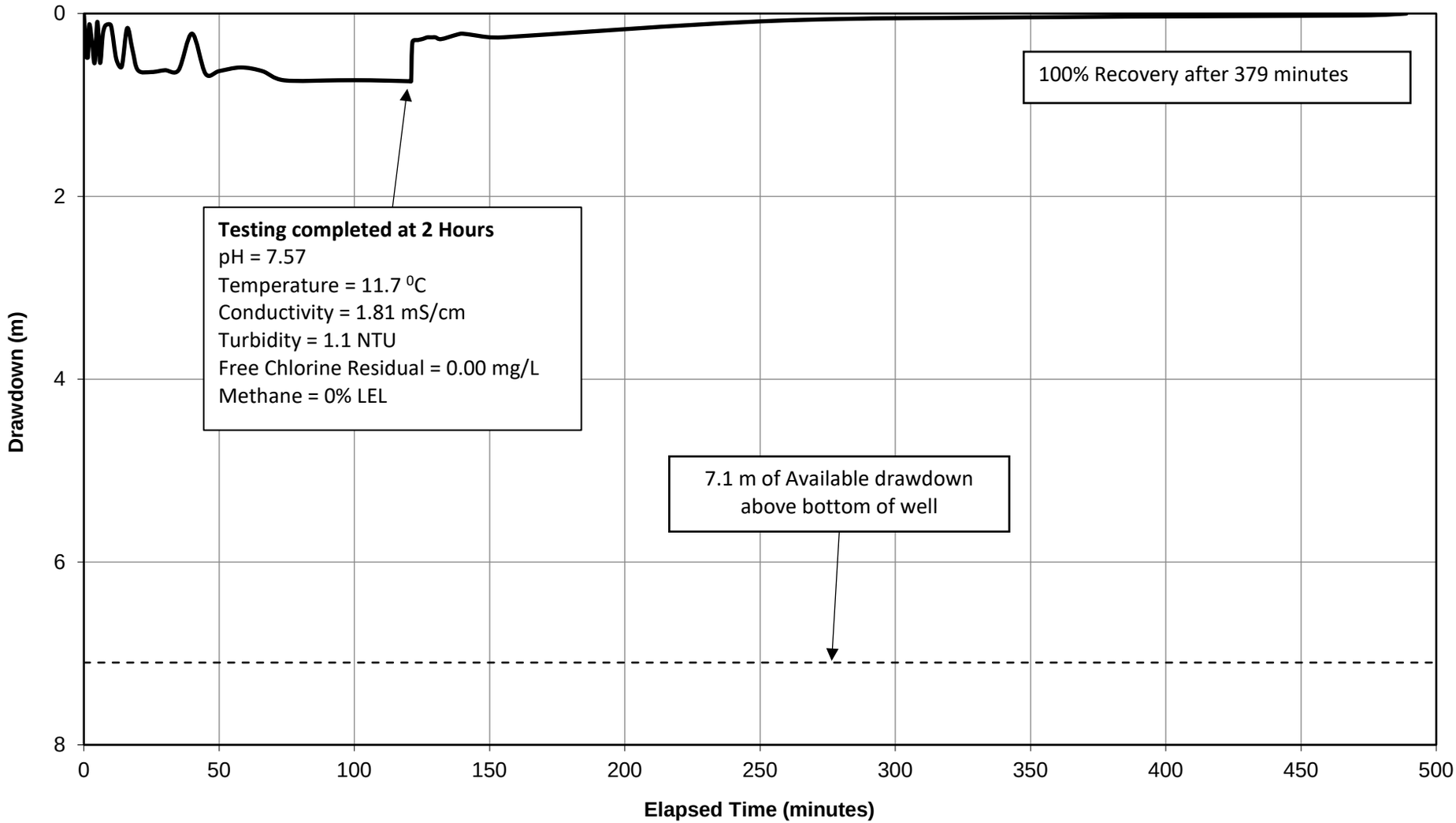
JOB NUMBER: 12637390

DRAWING NUMBER: G-2

GHD

347 PIDO ROAD, UNIT 29
PETERBOROUGH, ON K9J 6X7
www.ghd.com

DRAWDOWN, RECOVERY AND TESTING DETAILS
966 Burnside Road: September 23, 2024



DRAWDOWN & RECOVERY

Drilled Well
MECP Well ID: Unknown
Static Level = 4.01 mbtp (3.91 mbgs)

Note: mbtp = metres below top of pipe; mbgs = metres below ground surface; Stick up = 0.10 m

DATE: JANUARY 2025

LOCATION: 966 Burnside Rd, Bridgenorth, ON

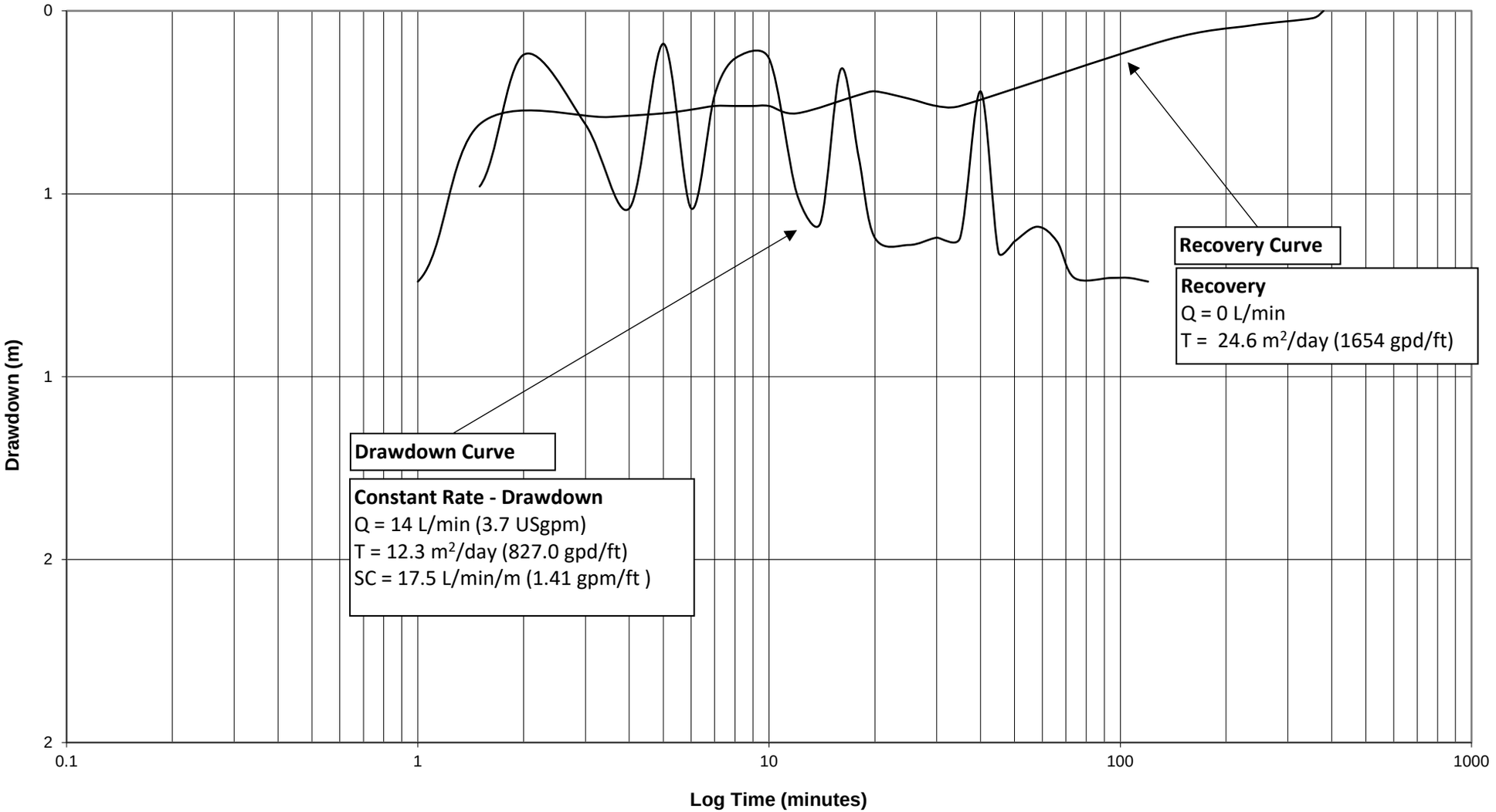
JOB NUMBER: 12637390

DRAWING NUMBER: G-3

GHD

347 PIDO ROAD, UNIT 29
PETERBOROUGH, ON K9J 6X7
www.ghd.com

TRANMISSIVITY - DRAWDOWN and RECOVERY VS LOG TIME
966 Burnside Road: September 23, 2024



TRANSMISSIVITY

Drilled Well
MECP Well ID: Unknown
Static Level =4.01 mbtp (3.91 mbgs)

Note: mbtp = metres below top of pipe; mbgs = metres below ground surface; Stick up = 0.1 m

DATE: JANUARY 2025

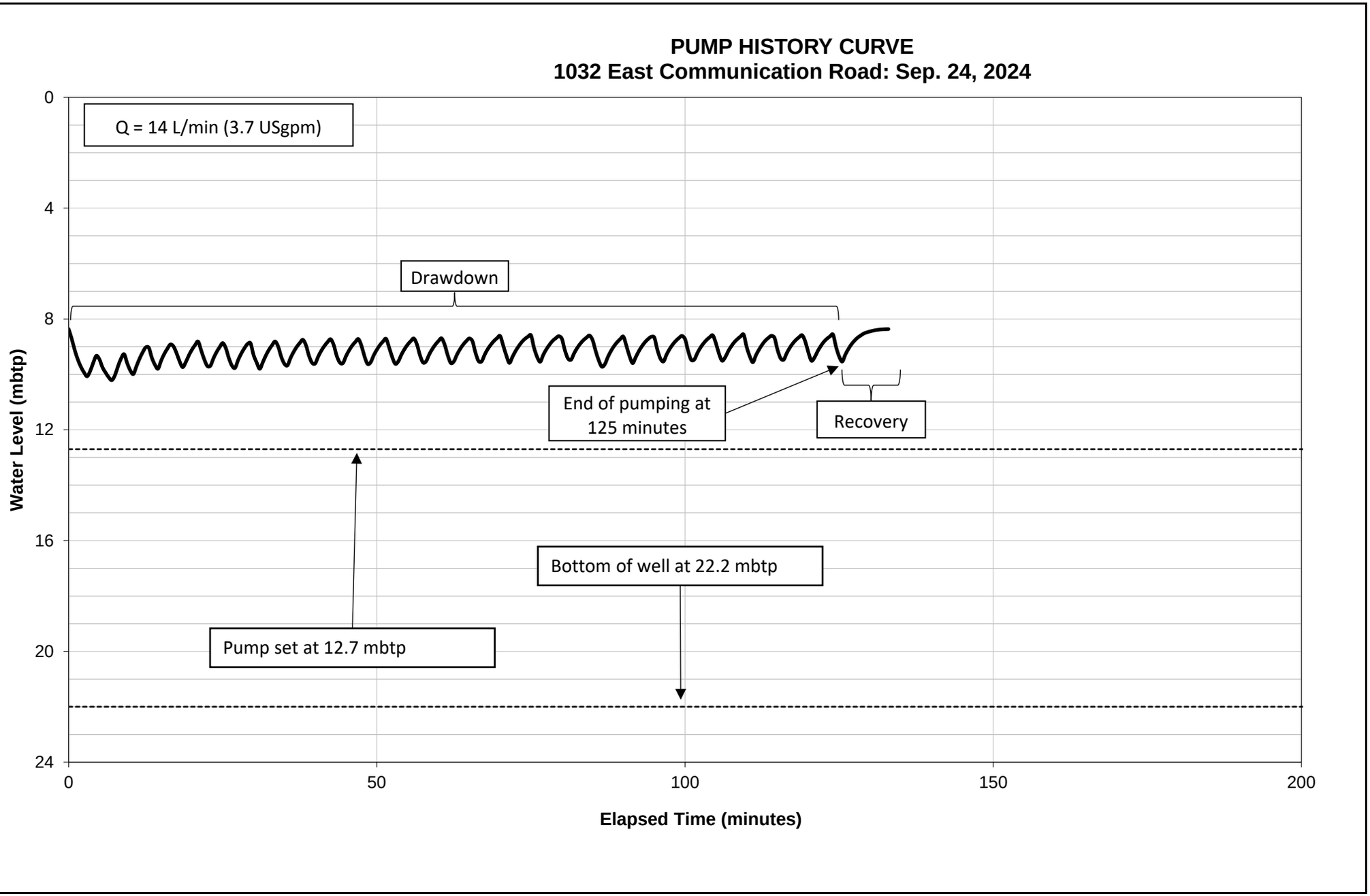
LOCATION: 966 Burnside Rd, Bridgenorth, ON

JOB NUMBER: 12637390

DRAWING NUMBER: G-4

GHD

347 PIDO ROAD, UNIT 29
PETERBOROUGH, ON K9J 6X7
www.ghd.com



PUMP HISTORY CURVE

Drilled Well

MECP Well ID: No Well Tag

Static Level = 8.36 mbtp (7.86 mbgs)

Note: mbtp = metres below top of pipe; mbgs = metres below ground surface; Stick up = 0.50 m

DATE: JANUARY 2025

LOCATION: 1032 East Communication Rd, Bridgenorth, ON

JOB NUMBER: 12637390

DRAWING NUMBER: G-5

GHD

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PETERBOROUGH, ON K9J 6X7

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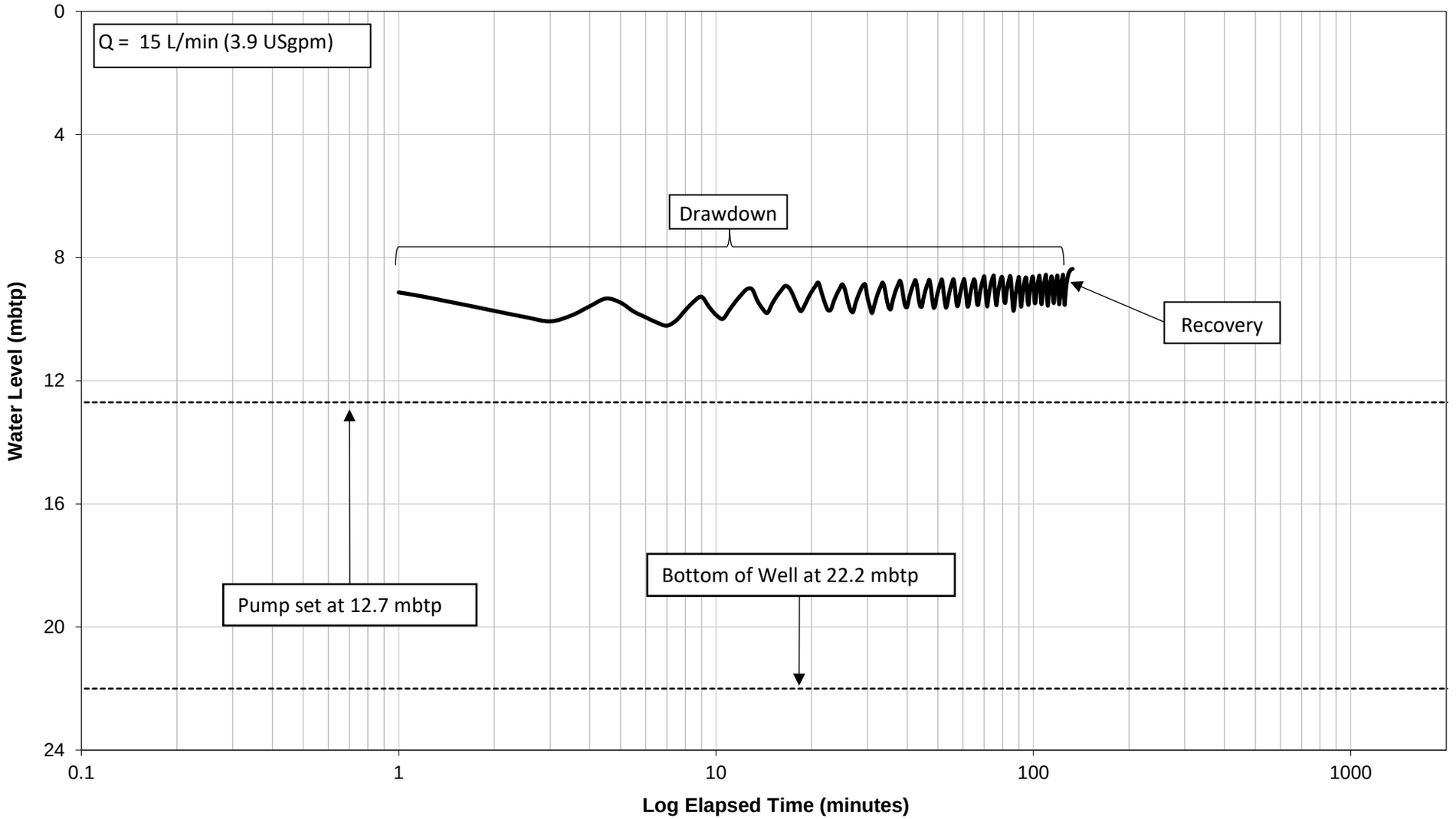
WATER LEVEL vs. LOG ELAPSED TIME
1032 East Communication Road: September 24, 2024



WATER LEVEL vs LOG TIME

Drilled Well
MECP Well ID: No Well Tag
Static Level = 8.36 mbtp (7.86 mbgs)

Note: mbtp = metres below top of pipe; mbgs = metres below ground surface; Stick up = 0.50 m

DATE: JANUARY 2025

LOCATION: 1032 East Communication Rd, Bridgenorth, ON

JOB NUMBER: 12637390

DRAWING NUMBER: G-6

GHD

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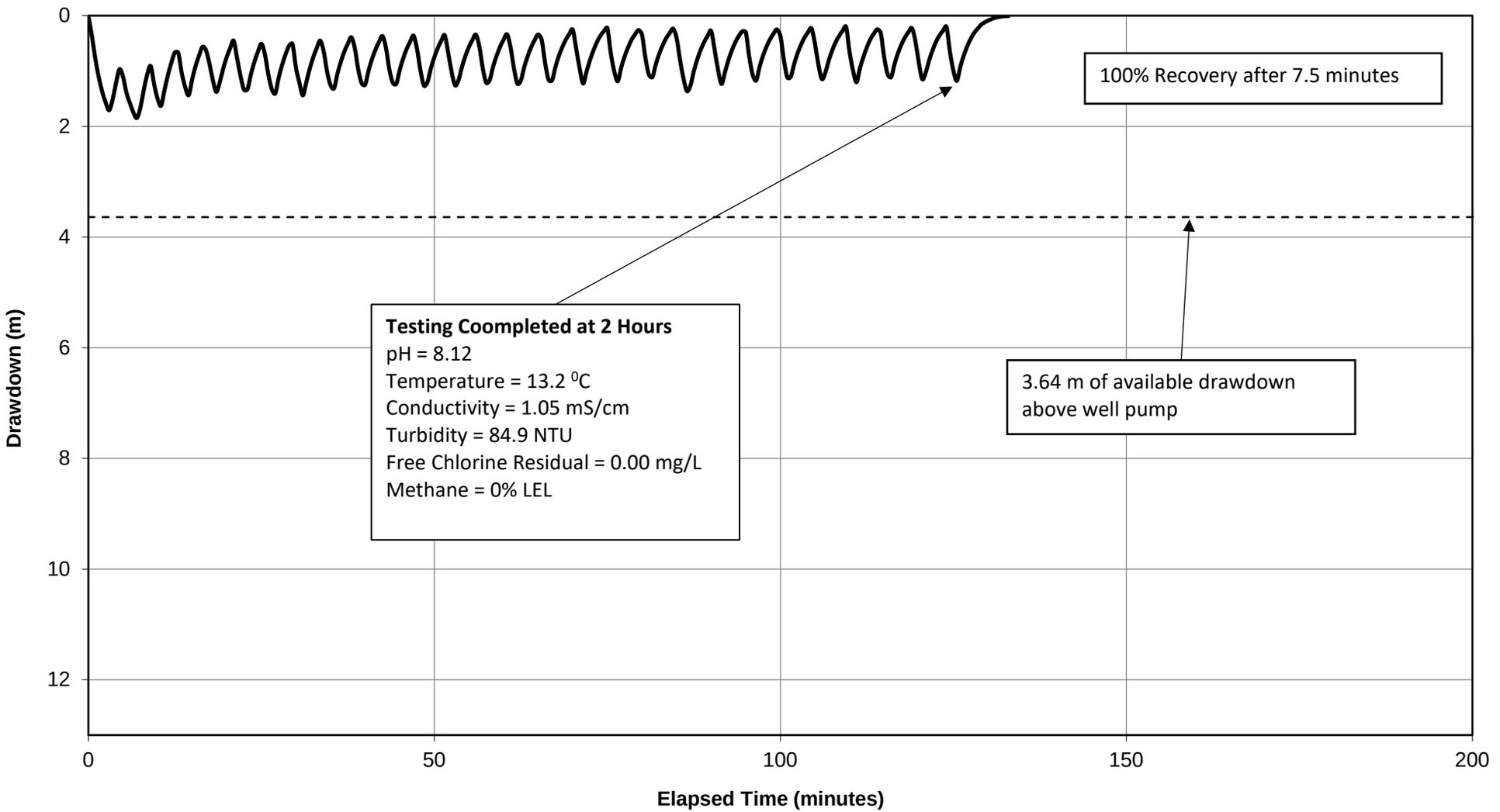
DRAWDOWN, RECOVERY AND TESTING DETAILS
1032 East Communication Road: September 24, 2024



DRAWDOWN & RECOVERY

Drilled Well
MECP Well ID: No Well Tag
Static Level = 8.36 mbtp (7.86 mbgs)

Note: mbtp = metres below top of pipe; mbgs = metres below ground surface; Stick up = 0.50 m

DATE: JANUARY 2025

LOCATION: 1032 East Communication Rd, Bridgenorth, ON

JOB NUMBER: 12637390

DRAWING NUMBER: G-7

GHD

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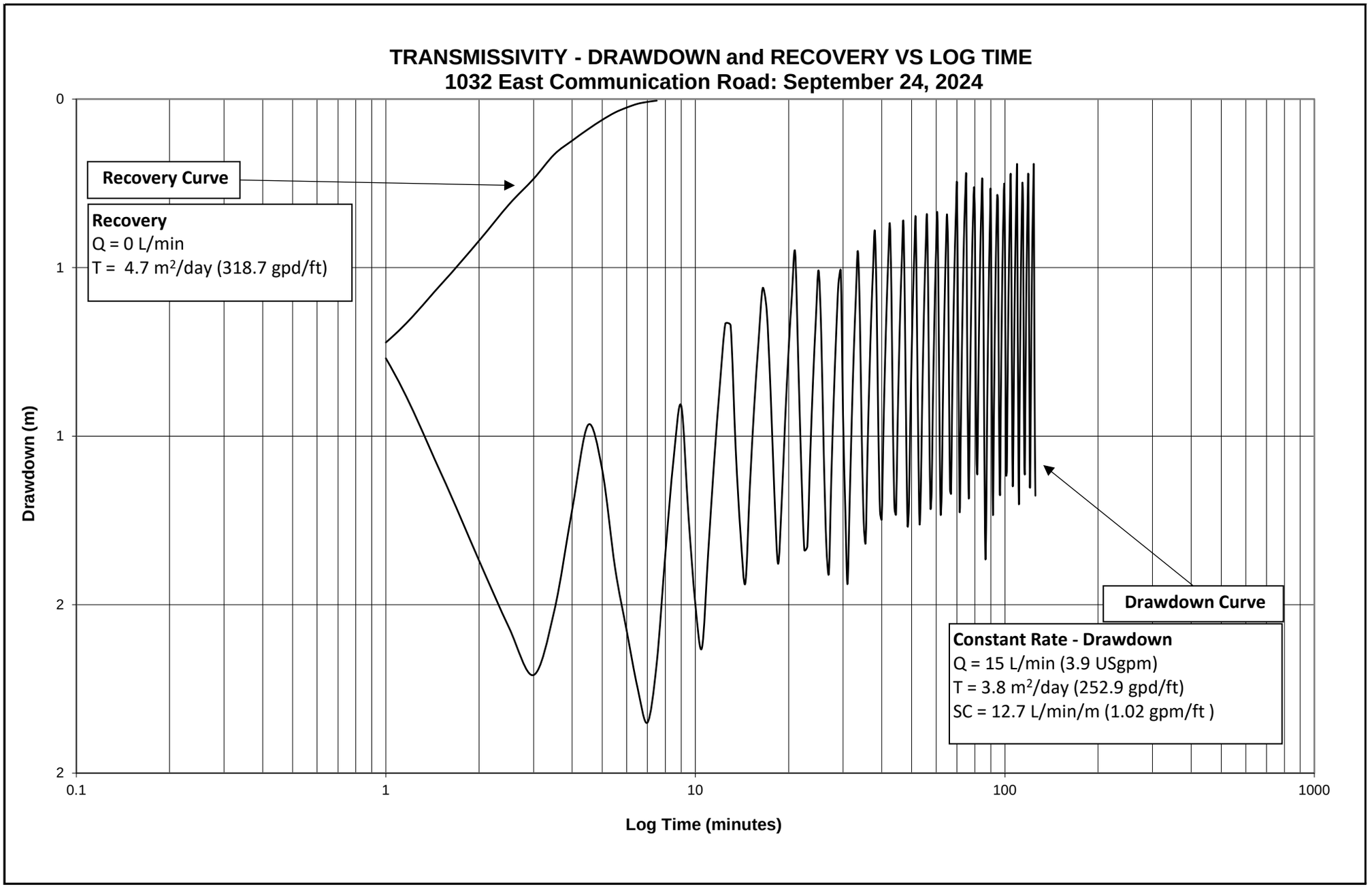

TRANSMISSIVITY

Drilled Well
MECP Well ID: No Well Tag
Static Level = 8.36 mbtp (7.86 mbgs)

Note: mbtp = metres below top of pipe; mbgs = metres below ground surface; Stick up = 0.5 m

DATE: JANUARY 2025

LOCATION: 1032 East Communication Rd, Bridgenorth, ON

JOB NUMBER: 12637390

DRAWING NUMBER: G-8

GHD

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PETERBOROUGH, ON K9J 6X7
www.ghd.com

Appendix H

Aquifer Testing Certificates of Analysis

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Project : 12637390, Bridgenorth

01-October-2024

GHD Limited - 735
Attn : Gus Bolin

347 Pido Rd., Unit #29
Peterborough, ON
K9J 6Z8, Canada

Phone: 705-749-3317
Fax:

Date Rec. : 23 September 2024
LR Report: **CA40182-SEP24**
Reference: 12637390, Gus Bolin

Copy: 1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	3: Analysis Completed Date	5: RL	8: 966 Burnside	9: 1032 ECR
Sample Date & Time				23-Sep-24 11:00	23-Sep-24 15:00
Temp Upon Receipt [°C]	***	***	***	***	***
UV Transmittance [%T]	24-Sep-24	25-Sep-24	---	87.6	92.2
Alkalinity [mg/L as CaCO3]	24-Sep-24	24-Sep-24	2	376	267
Colour [TCU]	24-Sep-24	24-Sep-24	3	< 3	< 3
Conductivity [uS/cm]	24-Sep-24	24-Sep-24	2	1410	996
pH [No unit]	24-Sep-24	24-Sep-24	0.05	7.48	7.68
TSS [mg/L]	25-Sep-24	26-Sep-24	2	7	62
TDS [mg/L]	24-Sep-24	25-Sep-24	30	874	577
Turbidity [NTU]	23-Sep-24	24-Sep-24	0.1	33	45
Organic N [mg/L]	24-Sep-24	26-Sep-24	0.05	< 0.05	< 0.05
TKN [as N mg/L]	24-Sep-24	26-Sep-24	0.05	0.09	0.05
NH3+NH4 [as N mg/L]	24-Sep-24	25-Sep-24	0.04	0.07	< 0.04
TOC [mg/L]	24-Sep-24	25-Sep-24	1	1	< 1
DOC [mg/L]	24-Sep-24	25-Sep-24	1	2	1
Cl [mg/L]	28-Sep-24	30-Sep-24	0.20	260	140
F [mg/L]	24-Sep-24	25-Sep-24	0.06	0.17	0.11
NO2 [as N mg/L]	24-Sep-24	25-Sep-24	0.030	< 0.03	< 0.03
NO3 [as N mg/L]	24-Sep-24	25-Sep-24	0.06	< 0.06	0.13
SO4 [mg/L]	28-Sep-24	30-Sep-24	0.20	50	36
Total P [mg/L]	24-Sep-24	25-Sep-24	0.03	< 0.03	< 0.03
Tot.Reactive P [mg/L]	24-Sep-24	25-Sep-24	0.03	< 0.03	< 0.03
Hg (diss) [mg/L]	27-Sep-24	30-Sep-24	1e-05	< 0.00001	< 0.00001
Hardness (dissolved) [mg/L as CaCO3]	25-Sep-24	01-Oct-24	0.05	556	337
Al (diss) [mg/L]	25-Sep-24	01-Oct-24	0.001	< 0.001	0.001
Sb (diss) [mg/L]	25-Sep-24	01-Oct-24	0.0009	< 0.0009	< 0.0009
As (diss) [mg/L]	25-Sep-24	01-Oct-24	0.0002	0.0011	< 0.0002
Ba (diss) [mg/L]	25-Sep-24	01-Oct-24	8e-05	0.197	0.0866
B (diss) [mg/L]	25-Sep-24	01-Oct-24	0.002	0.032	0.015
Cd (diss) [mg/L]	25-Sep-24	01-Oct-24	3e-06	0.000005	< 0.000003

OnLine LIMS

00038765568

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Project : 12637390, Bridgenorth

LR Report : **CA40182-SEP24**

Analysis	1: Analysis Start Date	3: Analysis Completed Date	5: RL	8: 966 Burnside	9: 1032 ECR
Ca (diss) [mg/L]	25-Sep-24	01-Oct-24	0.01	161	103
Cr (diss) [mg/L]	25-Sep-24	01-Oct-24	8e-05	0.00017	< 0.00008
Cu (diss) [mg/L]	25-Sep-24	01-Oct-24	0.0002	0.003	0.001
Fe (diss) [mg/L]	25-Sep-24	01-Oct-24	0.007	2.60	< 0.007
Pb (diss) [mg/L]	25-Sep-24	01-Oct-24	9e-05	< 0.00009	< 0.00009
Mg (diss) [mg/L]	25-Sep-24	01-Oct-24	0.001	37.3	19.5
Mn (diss) [mg/L]	25-Sep-24	01-Oct-24	1e-05	0.0737	0.00639
K (diss) [mg/L]	25-Sep-24	01-Oct-24	0.009	3.60	2.17
Na (diss) [mg/L]	25-Sep-24	01-Oct-24	0.01	71.2	63.9
Se (diss) [mg/L]	25-Sep-24	01-Oct-24	4e-05	0.00009	0.00006
U (diss) [mg/L]	25-Sep-24	01-Oct-24	2e-06	0.00382	0.00220
Zn (diss) [mg/L]	25-Sep-24	01-Oct-24	0.002	< 0.002	0.005
Cation Sum [meq/L]	---	---	---	14.45	9.58
Anion Sum [meq/L]	---	---	---	15.92	9.98
Anion-Cation Balance [% difference]	---	---	---	-4.85	-2.02
Ion Ratio	---	---	---	0.91	0.96
TDS (calculated) [mg/L]	---	---	---	810	523
Conductivity (calc) [uS/cm]	---	---	---	1519	978
Langelier's Index [@ 4° C]	---	---	---	0.26	0.14
Saturation pH [pHs @ 4°C]	---	---	---	7.22	7.54

Total phospuorous includes all Ortho-phosphates as well as Organics and hydrolyzable Phosphorous.

Temperature of Sample upon Receipt: 11 degrees C
Cooling Agent Present:yes
Custody Seal Present:yes

Chain of Custody Number:n/a

F-EWL Spike rep low, accepted based on all other QC

Jill Campbell

Jill Campbell, B.Sc.,GISAS
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003876568

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Appendix I

Nitrate Impact Assessment

Appendix I.1

Recharge Calculations for Predictive Nitrate Assessment using Conventional System

Recharge Calculations

Total Area Considered	15.20	ha
Recharge rate based on excavation*	175	mm/yr
Average recharge volume	72876.7	L/day

Note: *GHD completed 10 test pits where silty sand till was observed across the Site. The annual recharge rate for silty sand is approximately 150 to 200 mm/year. Assume an average rate of 175 mm/year

---

Predictive Nitrate Assessment Calculations

Background nitrate - worst case	0.08	mg/L	From analytical testing of local drilled wells
Nitrate	40	mg/L	Constant
Effluent	38000	L/day	Constant
Lots	38	lots	Number of lots proposed
Site Dilution	72876.7	L/day	Daily recharge volume
Nitrate in precipitation recharge	0.0	mg/L	

Predicted Nitrate Concentation = Background + (Sewage Nitrate+Dilution Nitrate)/(Onsite Dilution+Effluent)

Where: Sewage = Nitrate * Effluent

Dilution Nitrate = Onsite Dilution * Nitrate in precipitation recharge (assumed to be zero)

Predicted Nitrate Concentation = 13.79 mg/L

Background nitrate samples:		[Nitrate]	
Drilled well 966 Burnside		<0.06	
Drilled well 1032 East Communication Road		0.13	mg/L
	Average	0.08	mg/L

Appendix I.2

Recharge Calculations for Predictive Nitrate Assessment using Tertiary System

Recharge Calculations

Total Area Considered	15.20	ha
Recharge rate based on excavation*	175	mm/yr
Average recharge volume	72876.7	L/day

Note: *GHD completed 10 test pits where silty sand till was observed across the Site. The annual recharge rate for silty sand is approximately 150 to 200 mm/year. Assume an average rate of 175 mm/year

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Predictive Nitrate Assessment Calculations

Background nitrate - average	0.08	mg/L	From analytical testing of local drilled wells
Septic Nitrate Conc. treated by Tertiary System	28	mg/L	Assume 70% of 40 mg/L
Effluent	38000	L/day	Constant
Lots	38	lots	Number of lots proposed
Site Dilution	72876.7	L/day	Daily recharge volume
Nitrate in precipitation recharge	0.0	mg/L	

Predicted Nitrate Concentation = Background + (Sewage Nitrate+Dilution Nitrate)/(Onsite Dilution+Effluent)

Where: Sewage = Nitrate * Effluent

Dilution Nitrate = Onsite Dilution * Nitrate in precipitation recharge (assumed to be zero)

Predicted Nitrate Concentation = 9.68 mg/L

Background nitrate samples:		[Nitrate]	
Drilled well 966 Burnside Road		<0.06	
Drilled well 1032 East Communication Road		0.13	mg/L
	Average	0.08	mg/L