



Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Phase I Environmental Site Assessment

1185 Beaverwood Road
Ottawa, Ontario

Prepared For

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EXECUTIVE SUMMARY

A Phase I - Environmental Site Assessment (ESA) was carried out for the property addressed 1185 Beaverwood Road in the City of Ottawa (Manotick), Ontario. The purpose of this environmental assessment was to research the past and current use of the site and adjacent properties and identify any environmental concerns with the potential to have impacted the subject site.

The review of available historic information indicates that the Phase I Property was previously comprised of agricultural land with a farmstead, before being used solely for residential purposes following adjacent residential development in the early 1970s. Based on the available aerial photographs, the present residential dwelling and detached garage (farmstead buildings) was constructed prior to 1936, and between 1936 and 1960, respectively.

Surrounding properties have historically been used for agricultural purposes prior to development in the early 1970s. Following the development of the general area of the Phase I Property, properties to the west and north were used for residential purposes. Commercial buildings were developed east and northeast of the Phase I Property, across Scheffield Road, including five (5) historical activities considered to represent off-site PCAs. Based on the separation distances (95 m to 195 m) and downgradient orientations with respect to the subject site (east to northeast relative to the Phase I Property), these PCAs are not considered to represent APECs with respect to the Phase I Property.

Based on information received from the City of Ottawa and the MECP, the Phase I Property is located in the general area of a historical dry-cleaning spill resulting in a localized VOC plume. According to City of Ottawa correspondence, the former domestic drinking well on the Phase I Property was tested for VOCs in approximately 1992 to 1993, and did not identify any VOC concentrations above the laboratory detection limit. Based on the downgradient orientation of the plume with respect to the subject site, and interpreted groundwater flow direction, VOC impacted media on the Phase I Property is not considered likely to be present. However, City of Ottawa HLUI and MECP FOI responses have not been received yet, which may contain more information on this matter.

Following the historical research, a site visit was conducted to assess existing potential areas of concern. No environmental concerns were identified during the site visit with respect to the current use of the subject site or surrounding properties.

Based on the findings of the Phase I Environmental Site Assessment, it is our opinion that **a Phase II Environmental Site Assessment is not required for the subject property.**

Recommendations

Based on the age of the residential dwelling (prior to 1936), there is the potential for the presence of asbestos containing materials (ACMs), lead-containing paint and other designated substances. Potential ACMs could be present in drywall joint compound, suspended ceiling tiles, ceiling stipple, and vinyl tile flooring. Prior to the disturbance of building materials within the subject site dwelling, a designated substance survey should be conducted to prevent the potential exposure of hazardous materials to workers or occupants.

1.0 INTRODUCTION

At the request of ARK Construction Ltd., Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) for the property addressed 1185 Beaverwood Road, in Manotick (Ottawa), Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Anthony Nicolini of ARK Construction Ltd. Mr. Nicolini can be contacted at 255 Michael Cowpland Drive, Ottawa, ON K2M 0M5.

This report has been prepared specifically and solely for the above noted project which is described herein. It contains all our findings and results of the environmental conditions at this site.

This Phase I-ESA report has been prepared in general accordance with the requirements of Ontario Regulation 153/04 as amended by O.Reg. 269/11 (Environmental Protection Act), and CSA Z768-01, as amended. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address: 1185 Beaverwood Road, Ottawa (Manotick), Ontario.

Legal Description: Part of Lot 2, Concession A, (Geographic Township of North Gower), City of Ottawa, Ontario.

Location: The subject property is located northwest of the intersection of Beaverwood Road and Scharfield Road, in the City of Ottawa (Manotick), Ontario. Refer to Figure 1 - Key Plan for the site location.

Latitude and Longitude: 45° 13' 25" N, 75° 41' 12" W

Site Description:

| | |
|----------------|--|
| Configuration: | Irregular |
| Site Area: | 0.235 ha (approximately) |
| Zoning: | V1P - Village Residential First Density Zone |
| Current Use: | The Phase I Property is occupied by a 1-1/2 storey residential dwelling and detached garage, and is currently used for residential purposes. |
| Services: | The subject site is municipally serviced, and is located in a municipally and privately serviced area. |

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I – Environmental Site Assessment was as follows:

- Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases and regulatory agencies;
- Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the subject property, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of Ontario Regulation 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act as well as in compliance with the requirements of CSA Z768-01;
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

A radius of approximately 250 m was determined to be appropriate as a Phase I ESA study area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

First Developed Use Determination

According to the aerial photographs, the first developed use of the property was residential, prior to 1936.

Fire Insurance Plans

Fire insurance plans (FIPs) are not available for the area of the subject site.

City of Ottawa Street Directories

City directories for the area of the subject site were reviewed from 1980 to 2011. The subject site and neighbouring properties were not listed in the directories in 1982 or prior. In 1992 and 2000, the Phase I property and neighbouring properties were listed as residential. In 2010, some commercial properties (offices, retail, restaurants) were listed to the east and north, including Manotick Printing Services (1165 Beaverwood Drive) approximately 95 m east-northeast. Based on the separation distance and downgradient orientation with respect to the Phase I Property, this property is not considered to represent an APEC on the Phase I Property.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on February 2, 2022. The subject site was not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

PCB Inventory

A search of Ontario PCB waste storage sites was conducted electronically on February 2, 2022 as part of this assessment. No PCB waste storage sites were identified in the Phase I Study Area.

Ontario Ministry of Environment, Conservation and Parks (MECP) Instruments

A request was submitted to the MECP Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the site. A response from the MECP had not been received prior to the issuance of this report.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No coal gasification plants were identified within the Phase I Study Area.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the subject site or adjacent properties. A response from the MECP had not been received prior to the issuance of this report.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment for the site, neighbouring properties, and the general area of the site. No Records of Site Condition (RSCs) were listed for the subject site or properties within a 250 metre search radius.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. No former waste disposal sites were identified within the Phase I Study Area.

MECP Waste Management Records

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records. A response from the MECP had not been received prior to the issuance of this report.

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions. A response from the MECP had not been received prior to the issuance of this report.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the web site of the Ontario Ministry of Natural Resources (MNR) on February 22, 2022. The search did not reveal any natural features or areas of natural significance within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch was contacted electronically on February 22, 2022. The response indicated that there are no underground storage tanks recorded in the TSSA registry for the subject property or adjacent properties.

City of Ottawa Landfill Document

The document entitled “Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa”, was reviewed. No former waste disposal sites were located within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory

A requisition was sent to the City of Ottawa to request information from the City’s Historical Land Use Inventory (HLUI 2011) database for the subject property. A response had not been received at the time of issuing this report. A copy of the HLUI search results will be forwarded to the client. A copy of the HLUI request form is provided in Appendix 2.

A previous HLUI for a nearby property was reviewed in the interim, which identified an active commercial dry-cleaning facility at 1160 Beaverwood Road (commercial plaza), approximately 190 m east of the Phase I Property. Based on the separation distance and downgradient orientation with respect to the subject site, this facility is not considered to represent an APEC with respect to the Phase I Property.

Based on information received from the City of Ottawa and the MECP from previous investigations in the Manotick area, the Phase I Property is located in the general area of a historical dry-cleaning spill resulting in a localized VOC plume. According to City of Ottawa correspondence, the former domestic drinking well on the Phase I Property was tested for VOCs in approximately 1992 to 1993 and did not identify any VOC concentrations above the laboratory detection limit. Based on the local topography of the Manotick area and interpreted groundwater flow direction, VOC impacted media on the Phase I Property is not considered likely to be present. Paterson Group is awaiting more information from the municipality and/or the MECP on this matter.

ERIS Search

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I Property and properties within the Phase I Study Area.

Based on the ERIS search, there are no records identified for the Phase I Property.

103 total records from various databases were identified in the ERIS search within the 250 m search radius, including borehole records, Certificates of Approval (CAs) and Environmental Compliance Approvals (ECAs), historical ERIS searches, Ontario Well Records, Ontario Waste Generators, historic spills and incidents, Non-Compliance Reports, Pesticide registry records, and Scott's Manufacturing Directory records.

Certificates of Approval (CAs) and Environmental Compliance Approvals (ECAs) found within the search radius were comprised of private and municipal sewer works and air approvals.

Historical spills within the search radius included gaseous emissions (natural gas) from pipeline strikes. Due to the nature of these emissions, they are not considered to have the potential to have impacted the subject site. A historical UST fuel oil spill (1992) and former retail fuel outlet was identified at the property addressed 5549 Ann Street, approximately 175 m northeast of the Phase I Property. Based on the separation distance and downgradient orientation with respect to the Phase I Property, the former retail fuel outlet and associated spill is not considered to represent an APEC with respect to the Phase I Property.

Thirty-five (35) well records were recovered from within the 250 m search radius, including domestic drinking wells, commercial water supply wells and agricultural livestock wells. Borehole records recovered in the Phase I Study Area included geological survey holes from 1972. Based on the available well and borehole

records, the strata within the Phase I Study Area generally consists of clay and/or sandy till over limestone and dolomite bedrock, ranging from approximately 4 to 12 m below ground surface.

The Scott's Manufacturing Directory included records for 1165 Beaverwood Drive (formerly 1165 John Street) including previous commercial printing and publishing activities (Manotick Printing Services), and explosives manufacturing (Implo-Tec Research Canada). Based on the separation distance (approximately 95 m) and downgradient orientation with respect to the Phase I Property, this former activity is not considered to represent an APEC with respect to the Phase I Property.

The remaining records identified in the ERIS search are not considered to represent PCAs. A copy of the ERIS report is included in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals. The review period dates back to the first available air photos for the site. Based on the review, the following observations have been made:

- | | |
|------|--|
| 1936 | The Phase I Property appears to be agricultural land with a farmstead. A residential dwelling is present on the Phase I Property at this time. Surrounding properties include agricultural land and occasional farmsteads. Beaverwood Road is visible at this time. |
| 1960 | Some additional agricultural use buildings have been constructed on a larger parcel containing the Phase I Property, including the detached garage building presently on the Phase I Property. Some commercial buildings appear to be present further east and north at this time. Scharfield Road is visible at this time. |
| 1975 | Residential dwellings have been constructed to the west and north of the Phase I Property. A community arena and park appears to be present southwest of the Phase 1 Property, across Beaverwood Road, Some commercial buildings have been constructed to the east of the Phase I Property, across Scharfield Road. The Phase I Property appears to be used for residential purposes at this time. |
| 1983 | Some additional residential dwellings have been constructed further north of the Phase I Property, and some additional commercial |

- buildings are present further west. No significant changes appear to have been made to the Phase I Property or adjacent properties.
- 1996 No significant changes appear to have been made to the subject site or surrounding properties.
- 2007 (City of Ottawa, geoOttawa) A residential development has been constructed south of the Phase I Property, across Beaverwood Road. No significant changes appear to have been made to the Phase I Property or adjacent properties.
- 2019 (City of Ottawa, geoOttawa). No significant changes appear to have been made to the Phase I Property or adjacent properties.

Copies of selected aerial photographs reviewed are included in Appendix 1.

Topographic Maps

Topographic information was obtained from the City of Ottawa “Geo Ottawa” website and Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 100 m ASL, and that the regional topography in the general area of the site slopes gradually downward to the northeast. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Survey Plan

A survey plan prepared for the subject site was reviewed as part of this assessment. The plan, prepared by Annis, O’Sullivan, Vollebekk Ltd. on January 12, 2021, shows the site in its current configuration. The survey plan is included in Appendix 1.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” The subject site is located in the Central St. Lawrence Lowland, which is generally less than 150 m above sea level.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock beneath the site area consists of Paleozoic dolomite of the Oxford Formation. Surficial soils were identified to consist of offshore marine sediments (clay and silt), and drumlinized till, with a drift thickness of 5 to 10 metres.

Water Well Records

A search of the MECP website identified forty-seven (47) off-site well records in the Phase I Study Area, including domestic drinking wells, commercial water supply wells and agricultural livestock wells. Based on the available well records, the strata within the Phase I Study Area generally consists of clay and/or sandy till over limestone and dolomite bedrock, ranging from approximately 4 to 12 m below ground surface.

Based on domestic potable well records in the vicinity of the Phase I Property, the residential properties adjacent west and north of the Phase I Property were developed in approximately 1971 to 1973.

Water Bodies and Areas of Natural Significance

The Rideau River is the nearest body of water, located approximately 460 metres east of the Phase I Property. No creeks, rivers, streams, lakes or any other water body was identified within the Phase I Study Area. No areas of natural significance are known to exist within the Phase I Study Area.

Geotechnical Subsurface Investigation

A geotechnical subsurface investigation was completed in conjunction with the Phase I ESA. The field investigation, completed on March 1, 2022, consisted of four (4) boreholes extending to depths ranging from 0.23 m to 4.52 m below existing ground surface. The deeper borehole (4.52 m bgs) was also instrumented with a groundwater monitoring well. Based on this investigation, the subsurface profile generally consists of a thin layer of topsoil and fill material (gravel driveway and reworked native soil) over a very stiff to hard silty clay and glacial till, consisting of silty sand to sandy silt with gravel and occasional cobbles and boulders. A groundwater level of 3.14 m bgs was recovered for the on-site monitoring well (BH4-22) on March 9, 2022.

No environmental concerns were identified as a result of the geotechnical field investigation.

5.0 INTERVIEWS

Mr. Anthony Nicolini of ARK Construction Ltd was available to respond to questions on behalf of the current property owner (Nivo Holdings Inc.). According to Mr. Nicolini, the property was previously owned by the Scharf family (previous owner: Estate of Ivey Elizabeth Scharf) since severance in 1971. Mr. Nicolini is not aware of any historical uses of the Phase I Property with the potential to impact the environmental condition of the Phase I Property.

Mr. Nicolini and Paterson Group are in communication with the City of Ottawa regarding the regional VOC plume in the Manotick area as it relates to the Phase I Property. Mr. Nicolini is unaware of any other engineering reports (besides those completed by Paterson Group), orders or reports from regulatory bodies, or environmental conditions with respect to the Phase I Property.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site assessment was conducted on February 23, 2022. Weather conditions consisted of clear sky, with a temperature of approximately -10°C. The site was snow covered at the time of the visit. Mr. Jesse Andrechek from the Environmental Department of Paterson Group conducted the site visit. In addition to the site, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site visit.

6.2 Specific Observations at Phase I Property

Site Features

The Phase I Property features a gravel driveway with two (2) entrances extending from Beaverwood Road to the residential dwelling and detached garage building in the western portion of the Phase I Property. The eastern portion of the Phase I Property is undeveloped (grassed covered), although it should be noted that the site was snow covered at the time of the site visit. Some tree coverage is present along the property perimeter, as well as in the central portion of the site.

The site topography as well as regional topography slopes downward in an east-northeast direction. A copy of the topographic plan is included in Figure 2 following the body of this report.

Residential Dwelling

The Phase I Property contains a 1-1/2 storey residential dwelling, with a basement, located in the western-central portion of the Phase I Property. Based on the available aerial photographs, the residential dwelling (farmstead building) was originally constructed prior to 1936. The residential dwelling is finished on the exterior with painted wood siding, and features masonry block foundation walls and a sloped and shingled roof. A natural gas meter, as well as vent and fill pipes, are located on the southern building face.

Detached Garage

A detached garage building is present in the northwest corner of the site. Based on the available aerial photographs, the detached garage (farmstead building) was originally constructed between 1936 and 1960. This building features wood frame construction and is finished on the exterior with painted wood siding and a metal roof. The detached garage is currently used for general storage and housing maintenance equipment. No environmental concerns were identified with respect to the detached garage building.

Below Ground Structures or Utilities

The residential dwelling receives municipal water and sewer servicing. The dwelling is serviced by natural gas. The Phase I Property was previously serviced by a private domestic drinking well. It is our understanding that this well was decommissioned following the conversion to municipal water servicing.

Potential Environmental Concerns

Polychlorinated Biphenyls (PCBs) and Transformer Oil

A pole-mounted transformer was observed along Beaverwood Road, near the southeast corner of the Phase I Property. The transformer was observed to be in good condition, with no signs of leakage or staining.

Waste Management

Solid non-hazardous waste produced by the building tenants is stored against the west residential building face, and removed by the City of Ottawa on a weekly basis. No concerns were identified with waste management at the time of the site visit.

Interior Assessment

A general description of the residential dwelling interior is as follows:

- The floors throughout the building consisted of linoleum, carpet, hardwood, and vinyl floor tile. The basement floor was poured concrete;
- Wall materials consisted of drywall, wood paneling, and wallpaper, with concrete block basement foundation walls;
- The ceilings consisted of drywall and suspended ceiling tiles. The basement ceiling was unfinished;
- Lighting throughout the building was provided by incandescent and LED fixtures.

Chemical storage within the dwelling was limited to commercially-available cleaning products and paints, which were properly stored and are not considered to represent an environmental concern to the Phase I Property.

Potentially Hazardous Building Products

Asbestos Containing Materials (ACMs)

Based on the age of the building, it is considered possible that ACMs have been used in its construction. Based on visual observations of the building made at the time of the assessment, common potential ACMs include drywall joint compound, and linoleum and vinyl tile flooring. Potential ACMs were observed to be in fair condition at the time of the site visit.

Lead-Based Paint

Based on the age of the building, it is considered possible that lead based paints have been used. Painted surfaces were observed to be in fair condition at the time of the site visit.

Polychlorinated Biphenyls (PCBs)

No fluorescent lighting fixtures were observed on the Phase I Property.

Urea Formaldehyde Foam Insulation (UFFI)

No signs indicating the presence of UFFI were observed within the subject buildings during our inspection. However, wall cavities were not inspected for insulation type.

Other Potential Environmental Concerns

Fuels and Chemical Storage

The residential dwelling is currently primarily heated by a standalone natural gas fireplace; however, it also contains a forced air oil furnace, with an associated fuel oil AST (aboveground storage tank) in the basement of the unit. The fuel oil furnace is not currently in use.

The fuel oil tank was observed to be a double-wall non-metallic tank, with a capacity of 620 litres, dated to 2011. The tank and associated piping were observed to be in good condition at the time of the site visit. The floor slab beneath the AST and fuel oil furnace were inspected at the time of the site visit, with no signs of staining or evidence of a historical spill noted.

No unusual visual or olfactory observations were noted in the vicinity of the AST or oil furnace. As such, the presence of the AST and oil furnace are not considered to represent an environmental risk to the subject site.

Other chemicals identified within the building was limited to small quantities household paints and cleaning supplies, and were not considered to pose an environmental risk to the Phase I Property.

Ozone Depleting Substances (ODSs)

Potential sources of ODSs observed on site include refrigeration units and fire extinguishers. These appliances should be regularly serviced by a licensed contractor.

Drains, Pits and Sumps

No floor drains or sump pits were observed during the Phase I ESA site visit.

Mould and Moisture

At the time of the site visit, no mould or excessive moisture conditions were identified, and no damage resulting from potential previous mould or moisture presence was noted.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the subject site was as follows:

- North Residential dwellings followed by Maple Avenue;
- South Beaverwood Road, followed by Manotick community centre (park and arena) to the southwest, and residential dwellings to the southeast;
- East Scharfield Road, followed by a commercial department store and an animal hospital facility, with commercial retail, restaurants, and offices further east;
- West A residential dwelling under construction, followed by residential dwellings.

The current uses of the adjacent properties are not considered to pose an environmental risk to the Phase I Property. Current land use within the Phase I Study Area is illustrated on Drawing PE5615-2 – Surrounding Land Use Plan in Figures following the body of this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following table indicates the current and past uses of the site as well as associated potentially contaminating activities dating back to the first developed use of the site.

| Table 1 - Land Use History – 1185 Beaverwood Road | | | |
|--|-----------------|---|---|
| Time Period | Land Use | Potentially Contaminating Activities | Areas of Potential Environmental Concern |
| Prior to 1936 to Present | Residential | None | None |

Potentially Contaminating Activities (PCAs)

No Potentially Contaminating Activities (PCAs) were identified on the subject site.

Areas of Potential Environmental Concern (APEC)

No Areas of Potential Environmental Concern were identified on the subject site.

Contaminants of Potential Concern (CPC)

No contaminants of potential concern were identified, since no APECs were identified on the subject site.

7.2 Conceptual Site Model

Existing Buildings and Structures

The subject site is occupied by one (1) residential building and one (1) detached garage. A gravel driveway is present with two (2) entrances to Beaverwood Road extending to the residential dwelling and detached garage, with the remainder of the area comprised of grassed and treed area.

Geological and Hydrogeological Setting

Based on information from the Geological Survey of Canada, bedrock beneath the site area consists of Paleozoic dolomite of the Oxford Formation.

Surficial soils were identified to consist of marine sediments (clay and silt) and drumlinized till, with a drift thickness of 5 to 10 metres.

Hydrogeological conditions are considered to mimic the topographic setting; as a result, groundwater is expected to flow east-northeast.

Contaminants of Potential Concern

As per Section 7.1 of this report, no CPCs were identified on the subject site.

Water Bodies

The nearest body of water is the Rideau River, located approximately 460 metres east-northeast of the Phase I Property.

Areas of Natural Significance

No areas of natural significance were identified on the Phase I Property or within the Phase I Study Area.

Drinking Water Wells

The Phase I Property was previously serviced by a domestic drinking well prior to receiving municipal water services in the 1990s. It is our understanding that the drinking water well was decommissioned at that time following municipal servicing.

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area consists of residential dwellings to the north, west, and southeast; a community park and arena to the southwest;

and commercial buildings to the east, including an animal hospital, retail stores, restaurants and other commercial facilities.

Land use within the Phase I Study Area is shown on Drawing PE5615-2-Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, no PCAs were identified on the subject property. Five (5) PCAs were identified in the Phase I Study Area:

| TABLE 2: Potentially Contaminating Activities in Phase I Study Area 1185 Beaverwood Road, Ottawa (Manotick), ON | | | | |
|--|---|---------------|--|---|
| # | Address | PCA ID | Listed Activity | Approximate Distance / Orientation from Site |
| 1 | 1165 Beaverwood Road (Formerly 1165 John Street) | PCA 31 | Former Commercial Printing and Publishing | 95 m ENE |
| 2 | 1165 Beaverwood Road (Formerly 1165 John Street) | PCA 20 | Former Explosives Manufacturing | 95 m ENE |
| 3 | 5536 Ann Street | PCA 52 | Automotive Repair Shop | 130 m NE |
| 4 | 5549 Ann Street | PCA 28 | Former Retail Fuel Outlet & Fuel Oil Spill | 175 m ENE |
| 5 | 1160 Beaverwood Road (Formerly 1165 John Street) | PCA 37 | Commercial Dry Cleaners | 190 m E |

Due to the separation distance and downgradient orientation with respect to the Phase I Property, these PCAs are not considered to have had the potential to impact the Phase I Property. As a result, no APECs are considered to be present with respect to the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The absence of potentially contaminating activities was confirmed by a variety of independent sources. As such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

Assessment

A Phase I - Environmental Site Assessment (ESA) was carried out for the property addressed 1185 Beaverwood Road in the City of Ottawa (Manotick), Ontario. The

purpose of this environmental assessment was to research the past and current use of the site and adjacent properties and identify any environmental concerns with the potential to have impacted the subject site.

The review of available historic information indicates that the Phase I Property was previously comprised of agricultural land with a farmstead, before being used solely for residential purposes following adjacent residential development in the early 1970s. Based on the available aerial photographs, the present residential dwelling and detached garage (farmstead buildings) was constructed prior to 1936, and between 1936 and 1960, respectively.

Surrounding properties have historically been used for agricultural purposes prior to development in the early 1970s. Following the development of the general area of the Phase I Property, properties to the west and north were used for residential purposes. Commercial buildings were developed east and northeast of the Phase I Property, across Scheffield Road, including five (5) historical activities considered to represent off-site PCAs. Based on the separation distances (95 m to 195 m) and downgradient orientations with respect to the subject site (east to northeast relative to the Phase I Property), these PCAs are not considered to represent APECs with respect to the Phase I Property.

Based on information received from the City of Ottawa and the MECP, the Phase I Property is located in the general area of a historical dry-cleaning spill resulting in a localized VOC plume. According to City of Ottawa correspondence, the former domestic drinking well on the Phase I Property was tested for VOCs in approximately 1992 to 1993, and did not identify any VOC concentrations above the laboratory detection limit. Based on the downgradient orientation of the plume with respect to the subject site, and interpreted groundwater flow direction, VOC impacted media on the Phase I Property is not considered likely to be present. However, City of Ottawa HLUI and MECP FOI responses have not been received yet, which may contain more information on this matter.

Following the historical research, a site visit was conducted to assess existing potential areas of concern. No environmental concerns were identified during the site visit with respect to the current use of the subject site or surrounding properties.

Based on the findings of the Phase I Environmental Site Assessment, it is our opinion that **a Phase II Environmental Site Assessment is not required for the subject property.**

Recommendations

Based on the age of the residential dwelling (prior to 1936), there is the potential for the presence of asbestos containing materials (ACMs), lead-containing paint and other designated substances. Potential ACMs could be present in drywall joint compound, suspended ceiling tiles, ceiling stipple, and vinyl tile flooring. Prior to the disturbance of building materials within the subject site dwelling, a designated substance survey should be conducted to prevent the potential exposure of hazardous materials to workers or occupants.

9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared under the supervision of a qualified person in general accordance with O.Reg. 153/04 as amended by O.Reg. 269/11 and meets the requirements of CSA Z768-01 (reaffirmed 2016). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

Should any conditions be encountered at the subject site and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of ARK Construction Ltd. Inc. Permission and notification from the above noted party and Paterson will be required to release this report to any other party.

Paterson Group Inc.



Jesse Andrechek, BASc.



Mark S. D'Arcy, P.Eng., QP_{ESA}



Report Distribution:

- ARK Construction Ltd.
- Paterson Group Inc.

10.0 REFERENCES

Federal Records

Air photos at the Energy Mines and Resources Air Photo Library.
National Archives.
Maps and photographs (Geological Survey of Canada surficial and subsurface mapping).
Natural Resources Canada – The Atlas of Canada.
Environment Canada, National Pollutant Release Inventory.
PCB Waste Storage Site Inventory.

Provincial Records

MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
MNRF Areas of Natural Significance.
MECP Water Well Inventory.
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

Municipal Records

City of Ottawa Document “Old Landfill Management Strategy, Phase I - Identification of Sites.”, prepared by Golder Associates, 2004.
The City of Ottawa Historical Land Use Inventory.
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
The City of Ottawa GeoOttawa website.

Local Information Sources

ERIS Environmental Risk Information Services
Previous Engineering Reports
Personal Interviews

Public Information Sources

Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5615-1 – SITE PLAN

DRAWING PE5615-2 – SURROUNDING LAND USE PLAN

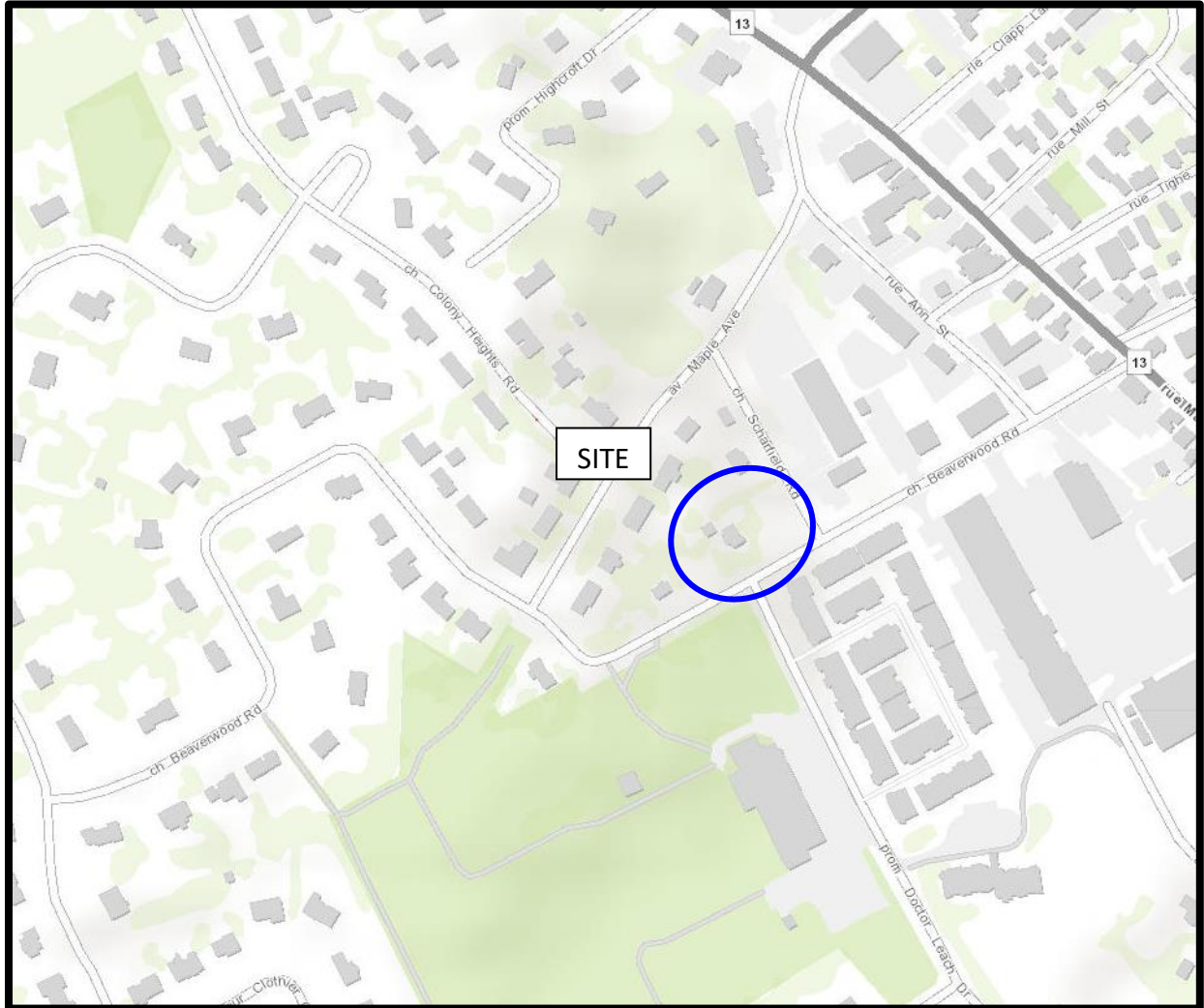


Figure 1:
KEY PLAN

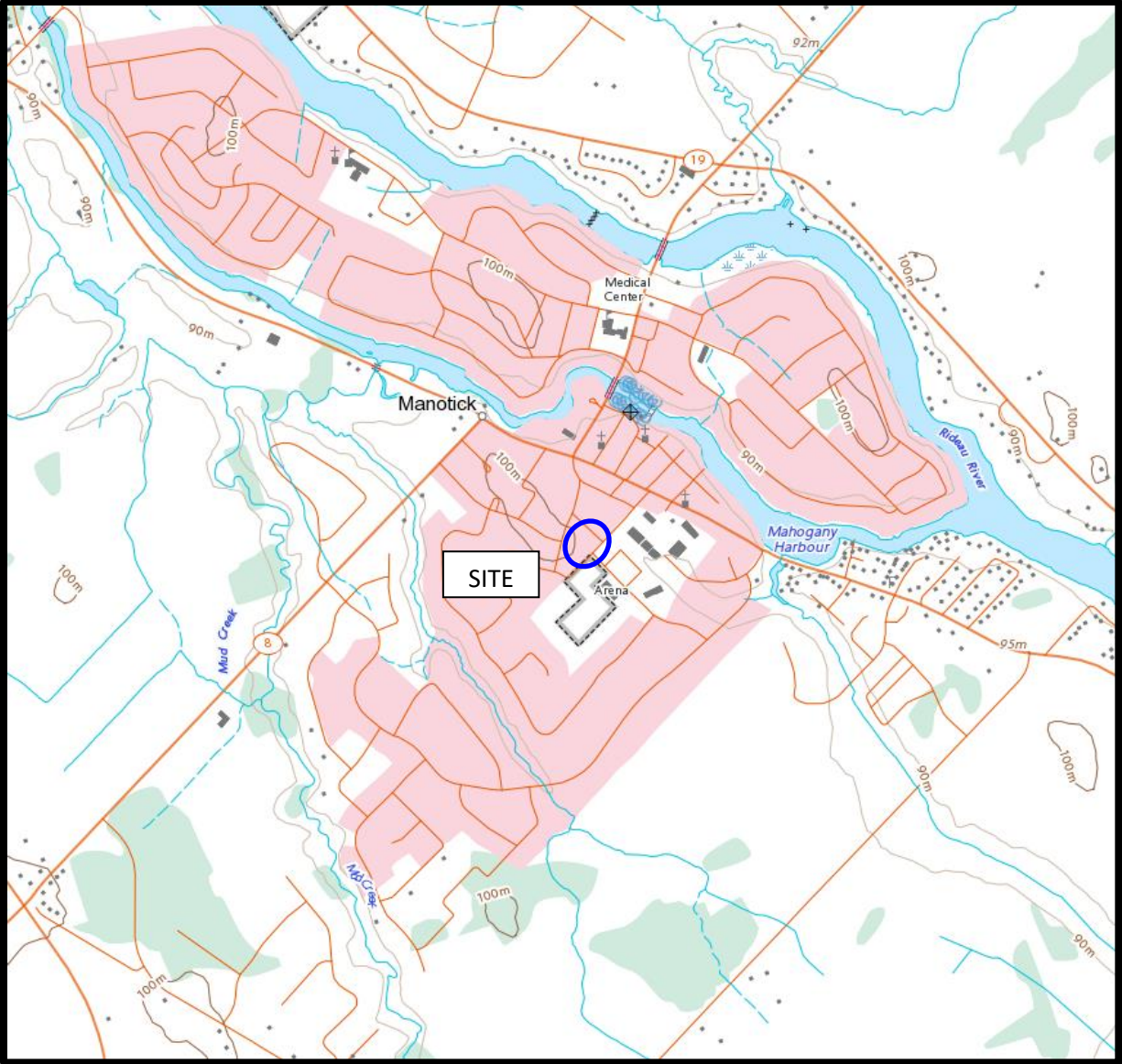
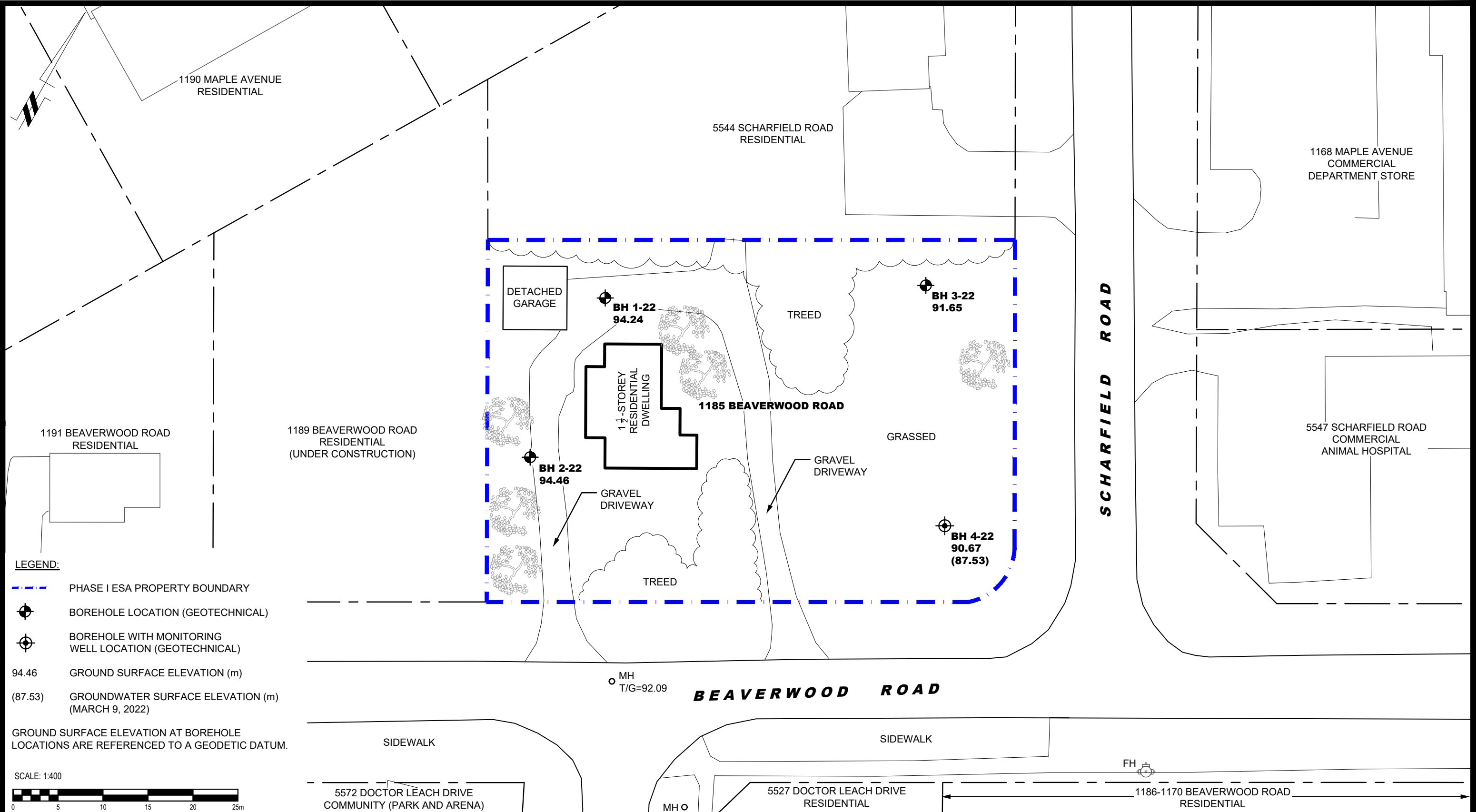
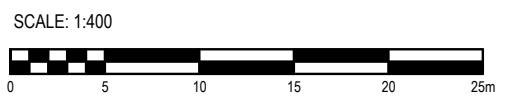


Figure 2:
TOPOGRAPHIC MAP



- LEGEND:**
- PHASE I ESA PROPERTY BOUNDARY
 - BOREHOLE LOCATION (GEOTECHNICAL)
 - BOREHOLE WITH MONITORING WELL LOCATION (GEOTECHNICAL)
 - 94.46 GROUND SURFACE ELEVATION (m)
 - (87.53) GROUNDWATER SURFACE ELEVATION (m) (MARCH 9, 2022)

GROUND SURFACE ELEVATION AT BOREHOLE LOCATIONS ARE REFERENCED TO A GEODETIC DATUM.



patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

| NO. | REVISIONS | DATE | INITIAL |
|-----|-----------|------|---------|
| | | | |
| | | | |
| | | | |

ARK CONSTRUCTION LTD.
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
1185 BEAVERWOOD ROAD

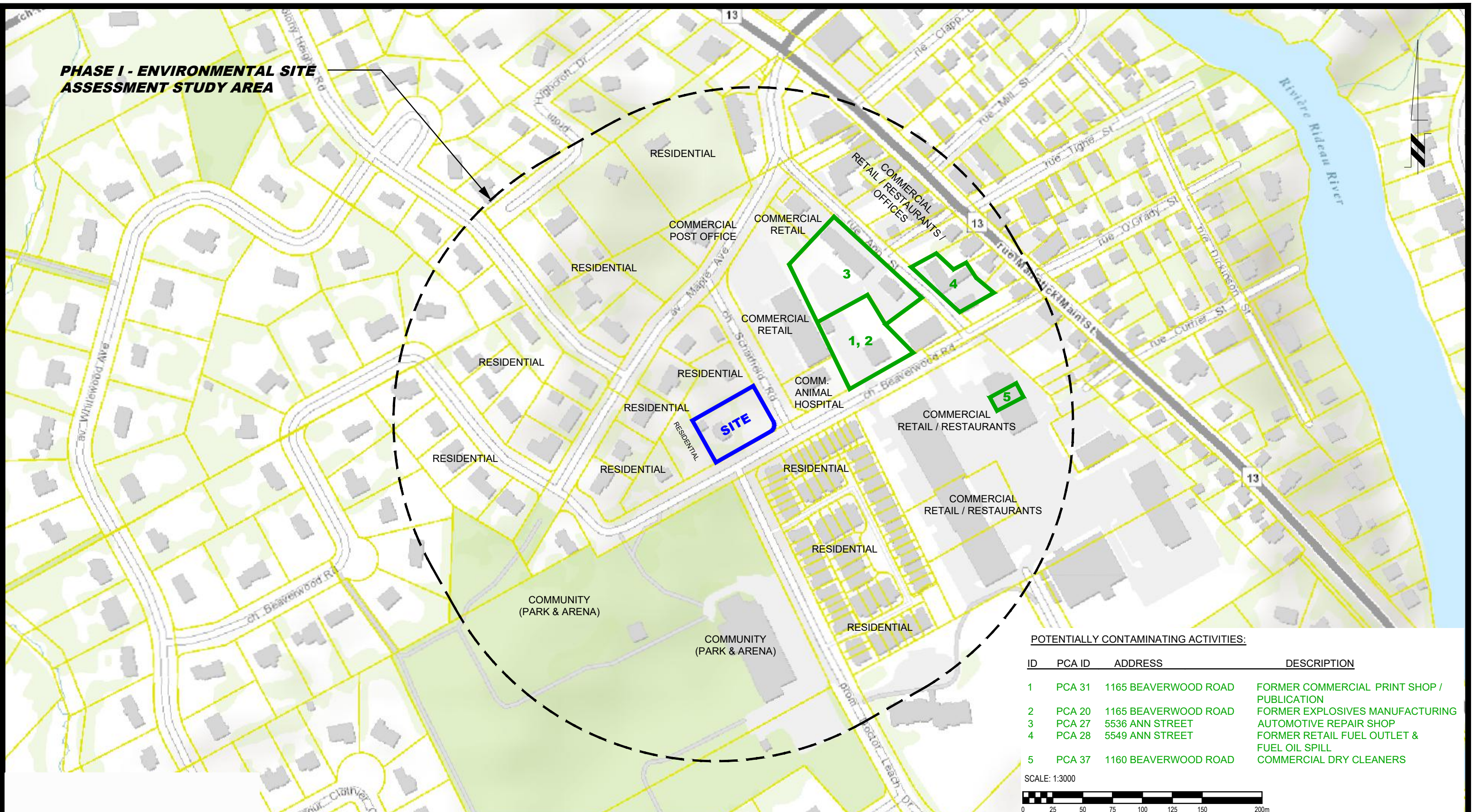
OTTAWA, ONTARIO

Title: SITE PLAN

| | | | |
|--------------|-------|---------------|-----------------|
| Scale: | 1:400 | Date: | 03/2022 |
| Drawn by: | YA | Report No.: | PE5615-1 |
| Checked by: | JA | Dwg. No.: | PE5615-1 |
| Approved by: | MSD | Revision No.: | |

p:\autocad\drawings\environmental\pe5615\pe5615-1-site plan.dwg

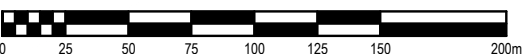
PHASE I - ENVIRONMENTAL SITE ASSESSMENT STUDY AREA



POTENTIALLY CONTAMINATING ACTIVITIES:

| ID | PCA ID | ADDRESS | DESCRIPTION |
|----|--------|----------------------|--|
| 1 | PCA 31 | 1165 BEAVERWOOD ROAD | FORMER COMMERCIAL PRINT SHOP / PUBLICATION |
| 2 | PCA 20 | 1165 BEAVERWOOD ROAD | FORMER EXPLOSIVES MANUFACTURING |
| 3 | PCA 27 | 5536 ANN STREET | AUTOMOTIVE REPAIR SHOP |
| 4 | PCA 28 | 5549 ANN STREET | FORMER RETAIL FUEL OUTLET & FUEL OIL SPILL |
| 5 | PCA 37 | 1160 BEAVERWOOD ROAD | COMMERCIAL DRY CLEANERS |

SCALE: 1:3000



patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

| NO. | REVISIONS | DATE | INITIAL |
|-----|-----------|------|---------|
| | | | |
| | | | |
| | | | |

ARK CONSTRUCTION LTD.
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
1185 BEAVERWOOD ROAD

OTTAWA, ONTARIO

SURROUNDING LAND USE PLAN

| | | | |
|--------------|--------|---------------|-----------------|
| Scale: | 1:3000 | Date: | 03/2022 |
| Drawn by: | YA | Report No.: | PE5615-1 |
| Checked by: | JA | Dwg. No.: | PE5615-2 |
| Approved by: | MSD | Revision No.: | |

APPENDIX 1

SURVEY PLAN

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



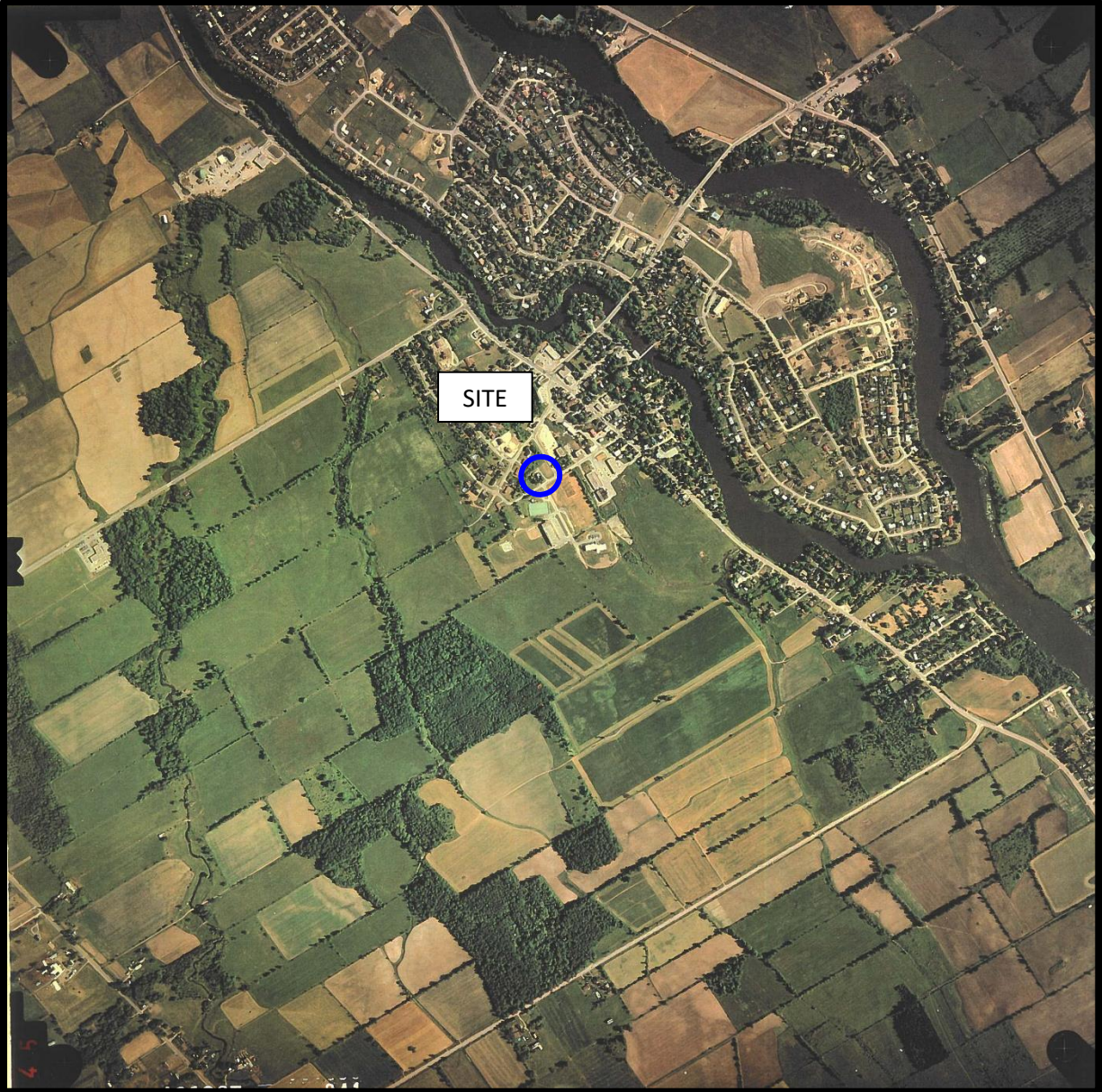
AERIAL PHOTOGRAPH
1936



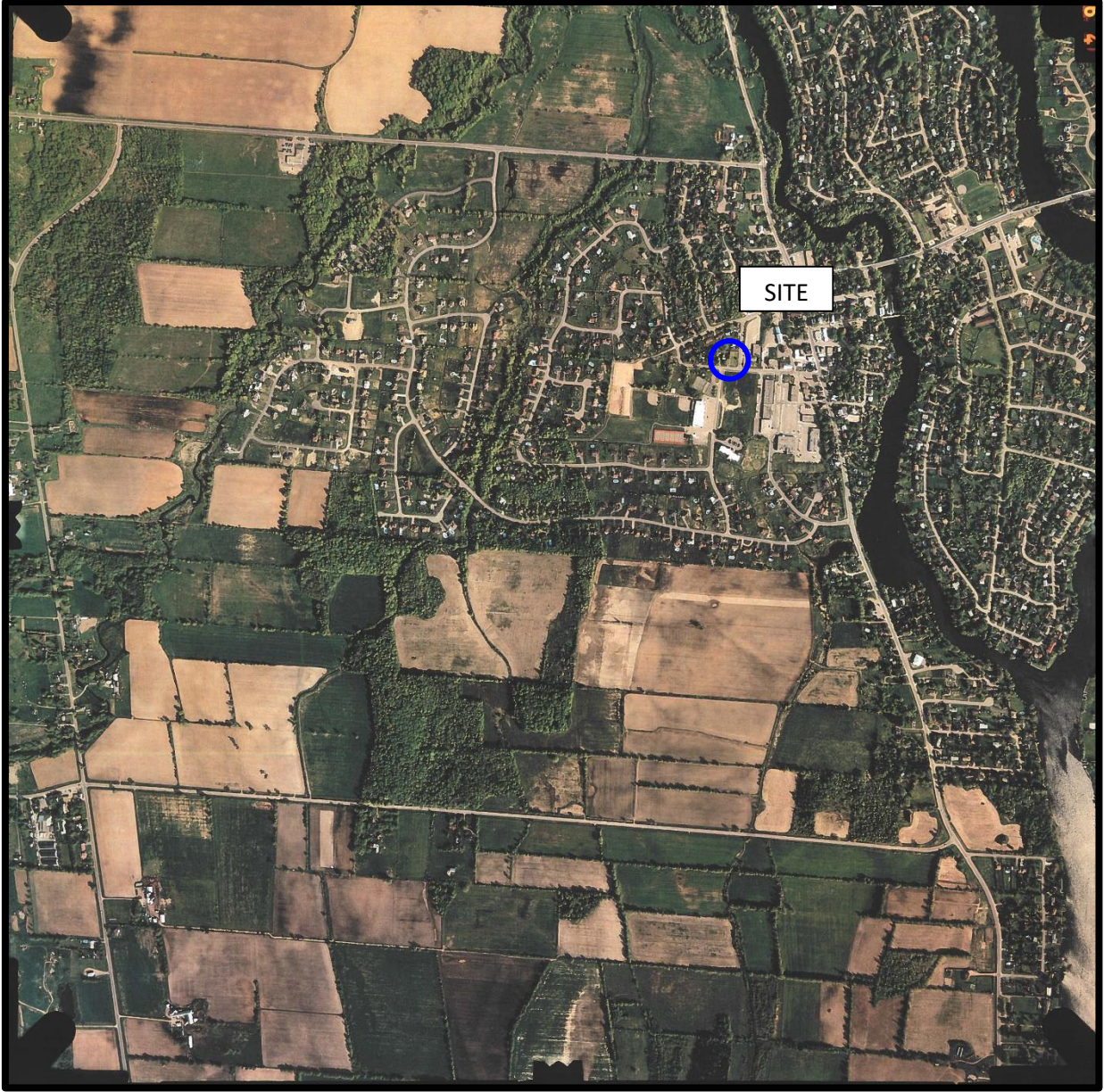
AERIAL PHOTOGRAPH
1960



AERIAL PHOTOGRAPH
1975



AERIAL PHOTOGRAPH
1983



AERIAL PHOTOGRAPH
1996



AERIAL PHOTOGRAPH
2007



AERIAL PHOTOGRAPH
2019

Site Photographs

PE5615

1185 Beaverwood Road
Ottawa, Ontario

February 23, 2022

Photo 1: On the western portion of the gravel driveway, facing north towards the residential dwelling.



Photo 2: East of the residential dwelling, on the eastern portion of the gravel driveway, facing southeast towards Beaverwood Road.



PE5615

Site Photographs
1185 Beaverwood Road
Ottawa, Ontario

February 23, 2022

Photo 3: East of the residential dwelling, facing towards the west building face.



Site Photographs

PE5615

1185 Beaverwood Road
Ottawa, Ontario

February 23, 2022

Photo 4: Inside of the detached garage, used for general storage.



Photo 5: At Beaverwood Road and the eastern gravel entrance, facing towards the eastern portion of the Phase I Property.



APPENDIX 2

MECP FREEDOM OF INFORMATION REQUEST

MECP WELL RECORDS

HLUI REQUEST

ERIS REPORT

TSSA CORRESPONDENCE



Freedom of Information and
Protection of Privacy Office
40 St. Clair Avenue West, 12th Floor
Toronto ON M4V 1M2
Telephone 416 314-4075

Instructions

Use this form to request records that are in the Ministry's files on environmental concerns related to properties. Our fax number is 416 314-4285.

For Ministry Use Only

| | |
|--|--|
| FOI Request Number | Date Request Received (yyyy/mm/dd) |
| Fee Paid | <input type="checkbox"/> Cheque <input type="checkbox"/> VISA/MC <input type="checkbox"/> Cash/Money Order |
| <input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> WCR <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/> EMR <input type="checkbox"/> SCB <input type="checkbox"/> SDW | |

1. Requester Data

| | | |
|--|---------------------------------------|----------------------------|
| Last Name Andrechek | First Name Jesse | Middle Initial J |
| Title Environmental Technician | Company Name Paterson Group | |

Mailing Address

| | | | |
|---|---|--|------------|
| Unit Number | Street Number 154 | Street Name Colonnade Road South | PO Box |
| City/Town Ottawa | Province Ontario | Postal Code K2E 7J5 | |
| Email Address jandrechek@patersongroup.ca | Telephone Number 613 226-7381 | ext. | Fax Number |

| | |
|--|---|
| Project/Reference Number PE 5615 | Signature of Requester  |
|--|---|

2. Request Parameters

Municipal Address (Municipal address mandatory for cities, towns or regions)

| | | | |
|---|------------------------------|---|--------|
| Unit Number | Street Number 1185 | Street Name Beaverwood Road | PO Box |
| Lot Number 2 | Concession A | Geographic Township North Gower | |
| City/Town/Village Ottawa (Manotick) | Province ON | Postal Code K4M 1L6 | |

Present Property

| | |
|------------------------|--------------------------------|
| 1. Owner | Date of Ownership (yyyy/mm/dd) |
| Tenant (if applicable) | |

Previous Property

| | |
|------------------------|--------------------------------|
| 1. Owner | Date of Ownership (yyyy/mm/dd) |
| Tenant (if applicable) | |

3. Search Parameters

| Search Parameters | Specify Year(s) Requested |
|--|---------------------------|
| Environmental concerns (General correspondence, occurrence reports, abatement) | All |
| Orders | All |
| Spills | All |
| Investigations/prosecutions ► Owner and tenant information must be provided | 2003-Present |
| Waste Generator number/classes | All |

Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.

4. Environmental Compliance Approvals/Certificates of Approval

| Environmental Compliance Approvals/Certificates of Approval | SD | Specify Year(s) Requested |
|--|-------------------------------------|---------------------------|
| air - emissions | <input checked="" type="checkbox"/> | 1986- Present |
| renewable energy | <input checked="" type="checkbox"/> | 1986- Present |
| water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster) | <input checked="" type="checkbox"/> | 1986- Present |
| sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations | <input checked="" type="checkbox"/> | 1986- Present |
| waste water - industrial discharge | <input checked="" type="checkbox"/> | 1986- Present |
| waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites | <input checked="" type="checkbox"/> | 1986- Present |
| waste systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, PCB destruction | <input checked="" type="checkbox"/> | 1986- Present |

Proponent information must be provided and Environmental Compliance Approval/Certificate of Approval number(s) (if known). 1985 and prior records are searched manually. Search fees in excess of \$300.00 may be incurred, depending on the types and years to be searched. Specify Approval number(s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.



av. Maple Ave.

ch. Scharfield Rd.

prom. Doctor Leach Dr.

drive Village Walk Priv.

av. Eastman Ave.

tue Ann St.
tue Tighe St.

(1 of 2)

Property Parcels: 1185 BEAVERWOOD RD

1185 BEAVERWOOD RD

[View Property Report](#)

[View Parcel Geometry](#)

[Zoom to](#)

Navigation icons: back, forward, home, search, close

UTM | 118 | 2 | 4 | 46 | 01 | 2 | 0 | E

19 | R | 5101018 | 01615 | N

Elev. | 9 | R | 0 | 2 | 9 | 5 |

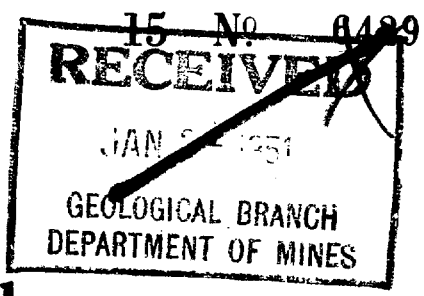
Basin | 2 | 5 | | | |

31649



ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario



Water Well Record

County or Territorial District CARLETON Township, Village, Town or City North Gower (Manotick)
Town or City).....
s. MANOTICK, ONT.
Date Completed..... Cost of well (excluding pump).....
(day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s) ... 5 inch
Length(s) of casing(s) ... 54 ft
Type of screen.....
Length of screen.....
Distance from top of screen to ground level.....
Is well a gravel-wall type?.....

Date ... Nov. 22, 1950
Static level ... 18 ft
Pumping level ... 31 ft
Pumping rate ... 400 G.P.H.
Duration of test ... 30 MIN.
Distance from cylinder or bowls to ground level.....

Water Record

Kind (fresh or mineral) ... Fresh
Quality (hard, soft, contains iron, sulphur, etc.) ... Hard
Appearance (clear, cloudy, coloured) ... Clear
For what purpose(s) is the water to be used? ... House
How far is well from possible source of contamination? ... 35 ft.
What is the source of contamination? ... Septic Tank
Enclose a copy of any mineral analysis that has been made of water.....

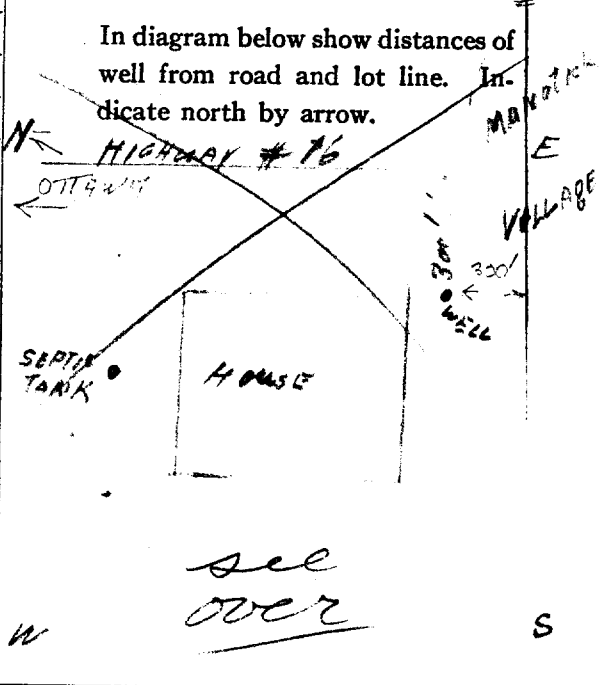
| Depth(s) to Water Horizon(s) | Kind of Water | No. of Feet Water Rises |
|------------------------------|---------------|-------------------------|
| <u>60</u> | <u>Good</u> | <u>47</u> |
| | | |
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Well Log

Overburden and Bedrock Record

| | From | To |
|-------------------------------|--------------|---------------|
| <u>Gravel & Sandstone</u> | <u>0 ft.</u> | <u>38 ft.</u> |
| <u>Hard pan</u> | <u>38</u> | <u>54</u> |
| <u>Limestone Rock</u> | <u>54</u> | <u>125</u> |
| | | |
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Location of Well



Situation: Is well on upland, in valley, or on hillside? Hillside
Drilling Firm... J.L. Mackay & Son
Address... 185 James St. Ottawa
Name of Driller... J. Lashin Address... 226 Bell St. Ottawa
Date... Nov 23 1950 Licence Number... 17
Signature of Licensee J. Lashin

L.F.

UTM 18 2 4 4 6 2 2 5 E

31G49



GROUND WATER DIVISION
NOV 14 1961
15 N
ONTARIO WATER RESOURCES COMMISSION

6448

5 R 5 0 0 7 9 4 0 N

The Ontario Water Resources Commission

Elev. 4 R 0 2 9 0

WATER WELL RECORD

Basin 25
County or District BRANTFORD

Township, Village, Town or City N. GOWER

Con. BF Lot #2

Date completed 8 (day) SEP (month) 61 (year)

Address MANOTICK

Casing and Screen Record

Inside diameter of casing 4"

Total length of casing 16

Type of screen -

Length of screen -

Depth to top of screen -

Diameter of finished hole 4"

Pumping Test

Static level 8

Test-pumping rate 250 GPH G.P.M.

Pumping level 18

Duration of test pumping 1 1/2

Water clear or cloudy at end of test CLEAR

Recommended pumping rate 250 GPH G.P.M.

with pump setting of 30 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) |
|-------------------------------|-----------|-----------|----------------------------------|---------------------------------------|
| <u>CLAY LOAM</u> | <u>0</u> | <u>14</u> | | |
| <u>GREY LIMESTONE</u> | <u>14</u> | <u>50</u> | <u>50</u> | <u>FRESH</u> |
| | | | | |
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For what purpose(s) is the water to be used?

PLUMBING & HEATING PLD 1241

Is well on upland, in valley, or on hillside? Upland

Drilling or Boring Firm M MEAGHER

Address OTTAWA

Licence Number 245

Name of Driller or Borer SAME

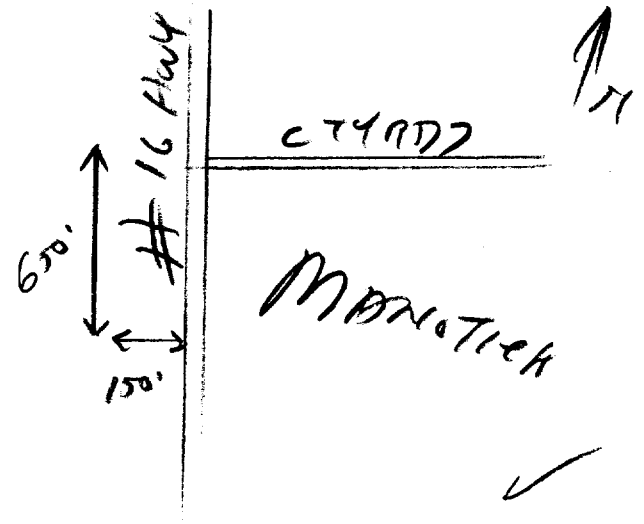
Address 14007/61

Date NOV 7/61

(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.



UTM 1182 4416 11910 E 31649

9R 5008 025 N

Elev 9R 0290

Basin 25



ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

15 No 6466
RECEIVED
JAN 9 1957
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

89R

Lot 2

Water-Well Record

County or Territorial District Peelton Township, Village, Town or City Manotick
in Village, Town or City Manotick
Address Manotick

(day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s) 4"
Length(s) 25'
Type of screen
Length of screen

Static level 5'
Pumping rate 230 G.P.M.
Pumping level 10'
Duration of test 1 hr.

Well Log

Water Record

| Overburden and Bedrock Record | From ft. | To ft. | Depth (s) at which water (s) found | No. of feet water rises | Kind of water (fresh, salty, or sulphur) |
|-------------------------------|------------|------------|------------------------------------|-------------------------|--|
| <u>Clay</u> | <u>1'</u> | <u>21'</u> | | | |
| <u>Limestone</u> | <u>21'</u> | <u>51'</u> | <u>51'</u> | <u>46'</u> | <u>fresh</u> |
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For what purpose(s) is the water to be used?
Home

Is water clear or cloudy? clear

Is well on upland, in valley, or on hillside?
valley

Drilling firm M. McLaughlin

Address 639 Broadwood Ave

Name of Driller M. McLaughlin

Address

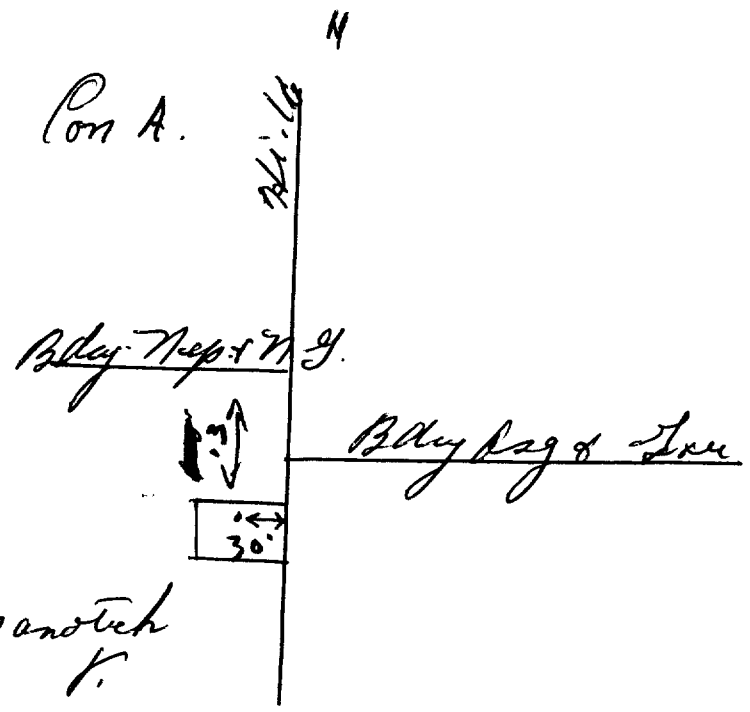
Licence Number 171

I certify that the foregoing statements of fact are true.

Date Jan 5 - 1957 M. McLaughlin
Signature of Licensee

Location of Well

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



Manotick

UTM 11812 4461155 E
 19R 5010810610 N

31249



ONTARIO

The Water-well Drillers Act, 1954
 Department of Mines

No. 6468
 GROUND WATER BRANCH
 AUG 14 1957
 ONTARIO WATER RESOURCES COMMISSION

Elev. 91R 0290
 Basin 25, FROU

Water-Well Record

County or Territorial District Carlton Township, Village, Town or City M. Haver
 in Village, Town or City
 Address Manolich
 (day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s) 4"
 Length(s) 34'
 Type of screen NONE
 Length of screen
 Static level 6'
 Pumping rate 200 G.P.H.
 Pumping level 20'
 Duration of test 1 hr

Well Log

Water Record

| Overburden and Bedrock Record | From ft. | To ft. | Depth(s) at which water(s) found | No. of feet water rises | Kind of water (fresh, salty, or sulphur) |
|-------------------------------|------------|------------|----------------------------------|-------------------------|--|
| <u>Clay</u> | <u>0'</u> | <u>34'</u> | | | |
| <u>limestone GREY</u> | <u>34'</u> | <u>36'</u> | <u>36'</u> | <u>30</u> | <u>fresh</u> |
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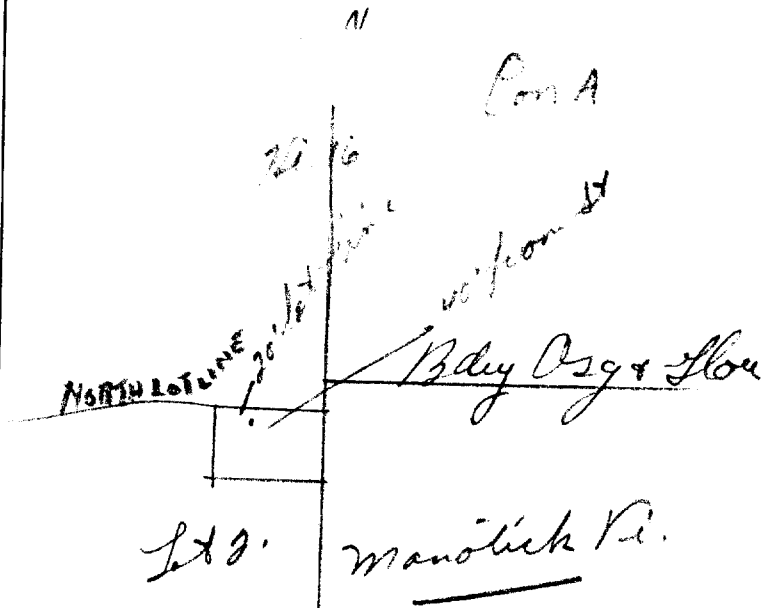
For what purpose(s) is the water to be used?
home
 Is water clear or cloudy? clear
 Is well on upland, in valley, or on hillside?
valley
 Drilling firm M. M. Meagher
 Address 639 Bawdwood Ave
Ottawa
 Name of Driller M. M. Meagher
 Address
 Licence Number 171

I certify that the foregoing statements of fact are true.

Date June 24 1957 M. M. Meagher
 Signature of Licensee

Location of Well

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



UTM 118 2 4461150 E
5 R 501018101610 N
 Elev. 5 R 02910
 Basin 25 1 1

31642



GROUND WATER BRANCH
 JUN 15 1959
 ONTARIO WATER RESOURCES COMMISSION

e
 6474

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District CARLETON Township, Village, Town or City V. GOWER
 Con. B.F. Lot 2 Date completed 30 MAR 59
 (day month year)
 Address 1712 H. T. R. H.

Casing and Screen Record

Inside diameter of casing 4"
 Total length of casing 13'
 Type of screen —
 Length of screen —
 Depth to top of screen —
 Diameter of finished hole 4"

Pumping Test

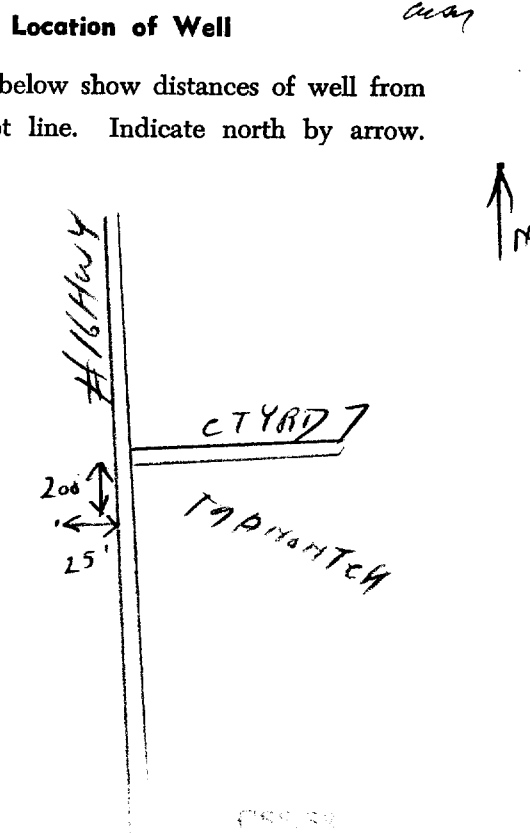
Static level 6
 Test-pumping rate 4 G.P.M.
 Pumping level 12
 Duration of test pumping 1 HR
 Water clear or cloudy at end of test CLEAR
 Recommended pumping rate 4 G.P.M.
 with pumping level of 12

Well Log

Water Record

| Overburden and Bedrock Record | From ft. | To ft. | Depth(s) at which water(s) found | No. of feet water rises | Kind of water (fresh, salty, sulphur) |
|-------------------------------|-----------|-----------|----------------------------------|-------------------------|---------------------------------------|
| <u>CLAY</u> | <u>0</u> | <u>13</u> | | | |
| <u>LIMESTONE</u> | <u>13</u> | <u>44</u> | <u>42</u> | <u>36</u> | <u>FRESH</u> |
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For what purpose(s) is the water to be used?
BAKERY
 Is well on upland, in valley, or on hillside?
Upland
 Drilling Firm M. MEAGHER
 Address 639 BOWMAN WOOD AVE
OTTAWA
 Licence Number _____
 Name of Driller SAME
 Address _____
 Date MAY 25/59
M. Meagher
 (Signature of Licensed Drilling Contractor)



UTM 1182 44612810 E 3164g

15R 5101017191240 N

Elev. 15R 012195

Basin 125

Lot 2



GROUND WATER BRANCH
15 No 6476
MAY 25 1961
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District CHARLETON Township, Village, Town or City N. Gower

Date completed 28 Nov 60
(day month year)

Address Manotick

Casing and Screen Record

Pumping Test

Inside diameter of casing 4"
Total length of casing 39'
Type of screen -
Length of screen -
Depth to top of screen -
Diameter of finished hole 4"

Static level 28
Test-pumping rate 5 G.P.M.
Pumping level 28
Duration of test pumping 1 Hr
Water clear or cloudy at end of test CLEAR
Recommended pumping rate 5 G.P.M.
with pumping level of 60'

Well Log

Water Record

| Overburden and Bedrock Record | From ft. | To ft. | Depth(s) at which water(s) found | No. of feet water rises | Kind of water (fresh, salty, sulphur) |
|-------------------------------|-----------|-----------|----------------------------------|-------------------------|---------------------------------------|
| <u>CLAY & BOULDERS</u> | <u>0</u> | <u>20</u> | | | |
| <u>GRAVEL</u> | <u>20</u> | <u>39</u> | | | |
| <u>GRAVEL & MASTERS</u> | <u>39</u> | <u>64</u> | <u>64</u> | <u>36</u> | <u>FRESH</u> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

For what purpose(s) is the water to be used?
House

Is well on upland, in valley, or on hillside?
Upland

Drilling Firm M MEAGHER

Address OTTAWA

Licence Number

Name of Driller same

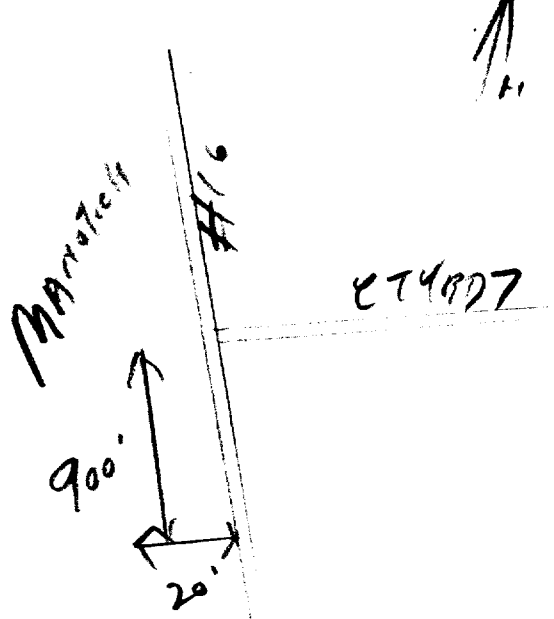
Address

Date MAY 13/61

M Meagher
(Signature of Licensed Drilling Contractor)

Location of Well

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



UTM 18 441611610 E 31649
5 5007950 N
 Elev. 5 02910



GROUND WATER BRANCH
 15 No. 64
 MAR 7 1963
 ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

Basin 25 | Carleton | Township, Village, Town or City N. Gower
 County or District Carleton
 Con. B.F. Lot 2 Date completed 1 Feb 1963
 (day month year)
 Address Manotick Ont.

Casing and Screen Record

Inside diameter of casing 6 1/4"
 Total length of casing 22'
 Type of screen none
 Length of screen —
 Depth to top of screen —
 Diameter of finished hole 6"

Pumping Test

Static level 10'
 Test-pumping rate 5 G.P.M.
 Pumping level 40'
 Duration of test pumping 1/2 hr
 Water clear or cloudy at end of test clear
 Recommended pumping rate 5 G.P.M.
 with pump setting of 45' feet below ground surface

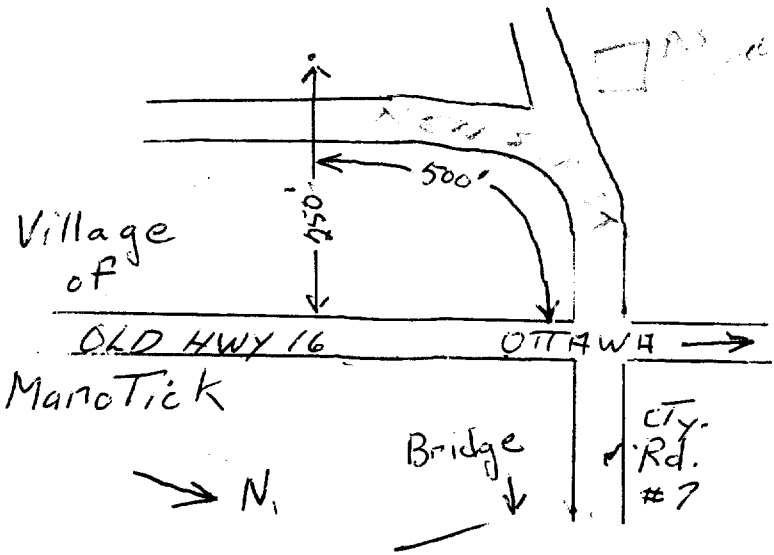
Well Log

| Overburden and Bedrock Record | Water Record | | | |
|-------------------------------|--------------|-----------|----------------------------------|---------------------------------------|
| | From ft. | To ft. | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
| <u>Fill</u> | <u>0</u> | <u>5</u> | | |
| <u>limestone</u> | <u>5</u> | <u>60</u> | <u>55-60</u> | <u>fresh</u> |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

For what purpose(s) is the water to be used? warehouse
 Is well on upland, in valley, or on hillside? upland
 Drilling or Boring Firm McLean Water Supply Ltd.
 Address 1532 Raven Ave
Ottawa
 Licence Number 758
 Name of Driller or Borer A. Scharf
 Address _____
 Date Feb 1, 1963
[Signature]
 (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.



UTM 1182 444610210 E

312-49



GROUND WATER BRANCH
15 No 6586
SEP 7 1960
ONARIO
RESOURCES COMMISSION

5R 510107191610 N

Elev. 603.10

The Ontario Water Resources Commission Act, 1957

Basin 25

WATER WELL RECORD

County or District CARLETON Township, Village, Town or City N BOWER

Con. A Lot 2 Date completed 1 AUG 60
(day month year)

Owner POSTOFFICE Address MANOTICH
(print in block letters)

Casing and Screen Record

Pumping Test

Inside diameter of casing 5"
Total length of casing 42'
Type of screen
Length of screen
Depth to top of screen
Diameter of finished hole 5"

Static level 34
Test-pumping rate 3 G.P.M.
Pumping level 40
Duration of test pumping 1 HR
Water clear or cloudy at end of test CLEAR
Recommended pumping rate 3 G.P.M.
with pumping level of SETTING 65

Well Log

Water Record

| Overburden and Bedrock Record | From ft. | To ft. | Depth(s) at which water(s) found | No. of feet water rises | Kind of water (fresh, salty, sulphur) |
|-------------------------------|-----------|-----------|----------------------------------|-------------------------|---------------------------------------|
| <u>BOULDER LOAM</u> | <u>0</u> | <u>36</u> | | | |
| <u>SRAVEL</u> | <u>36</u> | <u>42</u> | | | |
| <u>GREY LIMESTONE</u> | <u>42</u> | <u>94</u> | <u>94</u> | <u>60</u> | <u>FRESH</u> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

For what purpose(s) is the water to be used?
POSTOFFICE

Is well on upland, in valley, or on hillside?
UPLAND

Drilling Firm M MEAGHER

Address OTTAWA

Licence Number

Name of Driller SMITH

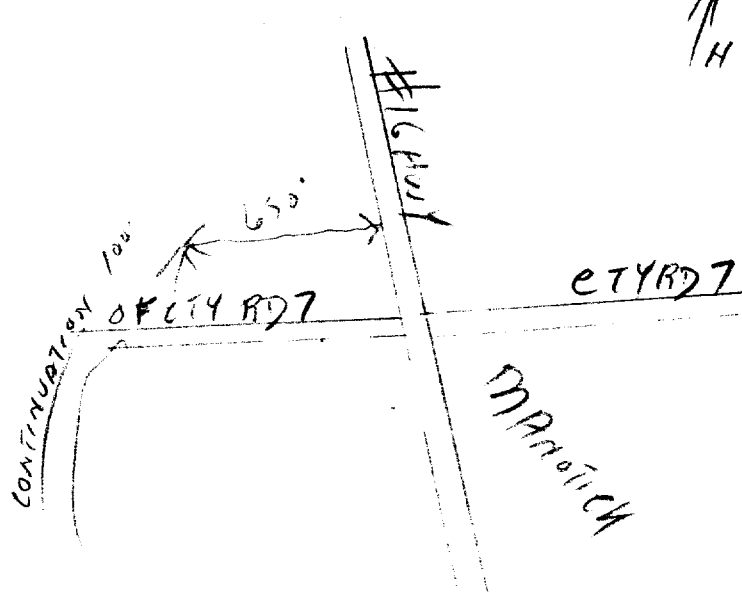
Address

Date NOV 26 1960

M Meagher
(Signature of Licensed Drilling Contractor)

Location of Well

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



UTM 1/18 2 1446101210 E

31649



GROUND WATER BRANCH
15 No. 6590
OCT 25 1963
ONTARIO WATER RESOURCES COMMISSION

6590

5R 15101017191410 N

The Ontario Water Resources Commission Act

Ele 6 03110

WATER WELL RECORD

Basin 25
County or District Carleton

Township, Village, Town or City North Gower twsac.

Con. A Lot ± 1

Date completed 3 October 1963
(day month year)

Owner Federal Government Post Office
(print in block letters)

Address 1010 Somerset Street, West, Ottawa

Casing and Screen Record

Pumping Test

Inside diameter of casing 4"
Total length of casing 35'0"
Type of screen bil
Length of screen nil
Depth to top of screen n/a
Diameter of finished hole 4"

Static level 25'
Test-pumping rate 10 G.P.M.
Pumping level 45' 45'
Duration of test pumping 2 Hours
Water clear or cloudy at end of test clear
Recommended pumping rate 4 G.P.M.
with pump setting of 75' 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) |
|-------------------------------|----------|--------|----------------------------------|---------------------------------------|
| Clay & Boulders | 0' | 32' | | |
| Grey Limestone | 32' | 135' | 110' | sulphur |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

For what purpose(s) is the water to be used?

Toilets & boiler in Post Office

Is well on upland, in valley, or on hillside? Hillside

Drilling or Boring Firm

BLAIR PHILLIPS DRILLING CO. LTD.

Address 1119 Relais Road,

Ottawa 5, Ontario.

Licence Number 1018

Name of Driller or Borer M. Szepa

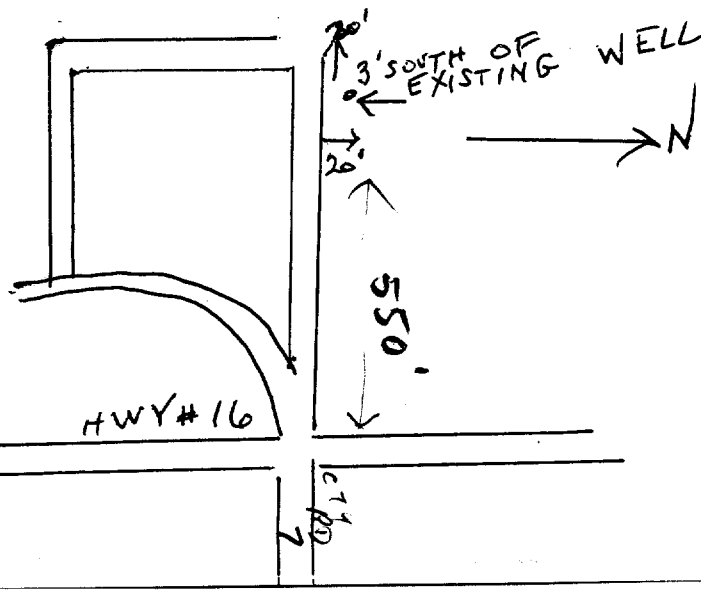
Address 90 Grove Ave. Ottawa, Ont.

Date 4 October 1963

(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.



UTM | 18 | 4446101210 | E

| 5 | R | 500801710 | N 3164g

Elev. | 6 | R | 02910 |

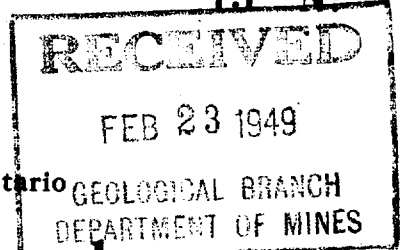
Basin | 25 |



ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario



15 No

6613



Water Well Record

County or District Carleton Tp. North Town Con. A Lot #81 Pt. Lot

Manorick Acres 5
including pump) 8165.00

Pipe and Casing Record

Pumping Test

| | |
|----------------------------------|---|
| Casing diameter(s) <u>4"</u> | Date <u>Dec 15</u> |
| Length(s) of casing(s) <u>5'</u> | Developed Capacity <u>3000 P. h. +</u> |
| Length of screen | Duration of Test <u>1 h</u> |
| Type of screen | Pumping Rate |
| Type of pump | Drawdown <u>10"</u> |
| Capacity of pump | Static level of completed well <u>5.5' 4'</u> |
| Depth of pump setting | Is well a gravel-wall type? <u>No</u> |

Water Record

| | | | |
|--|------------------------------|---------------|-------------------------|
| Kind (fresh or mineral) <u>fresh</u> | Depth(s) to Water Horizon(s) | Kind of Water | No. of Feet Water Rises |
| Quality (hard, soft, contains iron, sulphur etc.) <u>hard</u> | <u>4'</u> | <u>fresh</u> | <u>4-1'</u> |
| Appearance (clear, cloudy, coloured) <u>clear</u> | <u>4.5'</u> | | |
| For what purpose(s) is the water to be used? <u>Ice skating rink</u> | | | |
| How far is well from possible source of contamination? <u>none</u> | | | |
| What is source of contamination? | | | |
| Enclose a copy of any mineral analysis that has been made of water | | | |

Well Log

Drift and Bedrock Record

| From | To |
|-------|----------|
| 0 ft. |ft. |

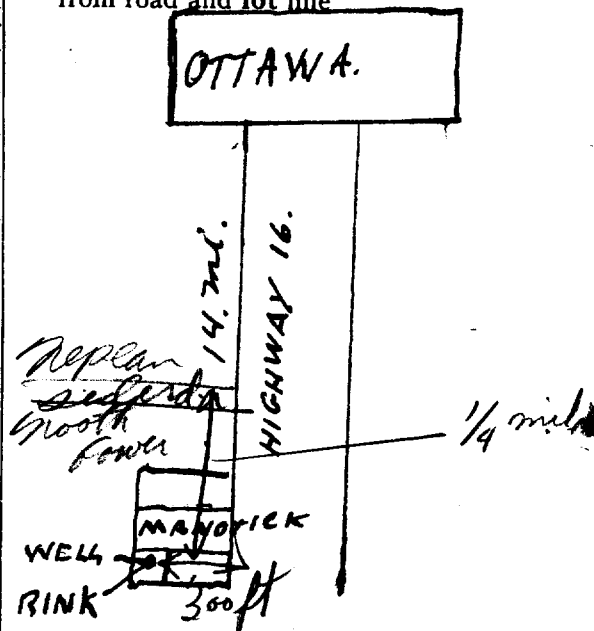
Top soil - clay 1.5' 5"

Rock limestone 5" 5-1'

A good well

Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside? valley

Drilling Firm M. M. Caghen

Address 361 Bruce St. Britannia Bay

Recorded by M. M. Caghen Address 361 Britannia Bay

Date Dec. 20/68 Licence Number Ottawa



1509945

3/6/44

JAN 23 1969

1182446030

4R50679801

5BR0305

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District **CARLETON PLACE NORTH GOWER**

Township, Village, Town or City **W. GOWER**
Date completed **2** **SEPTEMBER** **1968**
(day month year)

Con. **771 AREA** Lot **2 ST**

Owner **[REDACTED]**
(print in block letters)

Address **MANOTICK.**

Casing and Screen Record

Pumping Test

Inside diameter of casing **2"**
Total length of casing **38'**
Type of screen
Length of screen
Depth to top of screen
Diameter of finished hole **2"**

Static level **25'**
Test-pumping rate **5** G.P.M.
Pumping level **25 FT.**
Duration of test pumping **2 HRS.**
Water clear or cloudy at end of test **clear**
Recommended pumping rate **5** G.P.M.
with pump setting of **38** feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record

| Overburden and Bedrock Record | From ft. | To ft. | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
|-------------------------------|-----------|--------------|----------------------------------|---------------------------------------|
| BOULDERS + GRAVEL | 0 | 38 FT | | |
| LIMESTONE | 38 | 85 FT | 85 | F |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

For what purpose(s) is the water to be used? **HOUSE**

Is well on upland, in valley, or on hillside? **HILLSIDE**

Drilling or Boring Firm **W. A. DEEVEY**

Address **2898 HAUGHTON ST OTTAWA 14 ONT**

Licence Number **3024**

Name of Driller or Borer **W. A. DEEVEY**

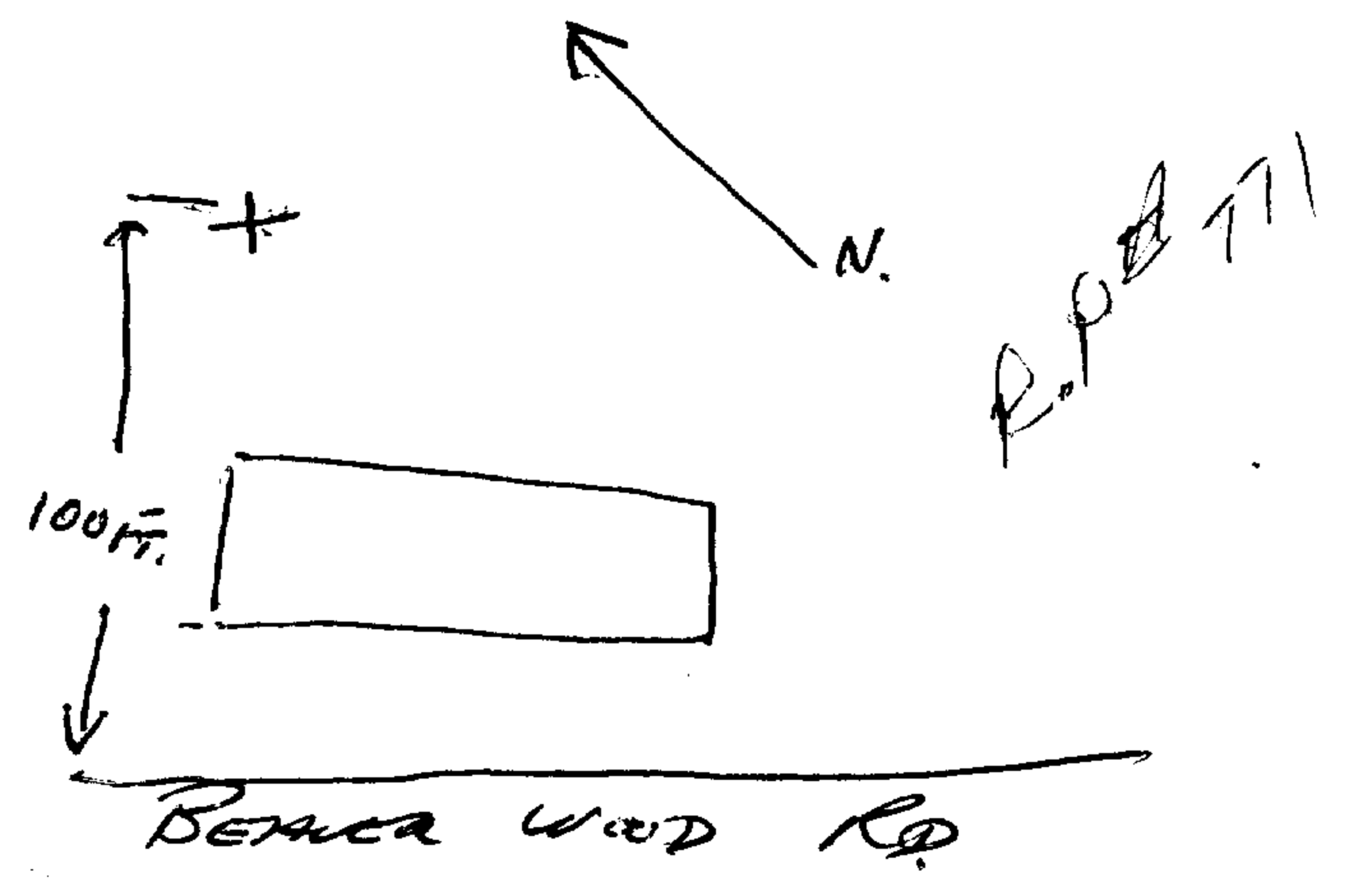
Address **2898 HAUGHTON ST**

Date **SEPTEMBER 28 1968**

William A. Deevy
(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.



118Z 445T 840
 4R 570 978 600
 5R 93310

Cont A
 Lot 2
 CODED
 R F



1510054

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Carl
 Con. A Lot 2

DIVISION OF
 WATER RESOURCES
 Township, Village, Town or City
 Date completed
 3 1969
 address
 WATER RESOURCES COMMISSION

North Lower
 3 Mar 1969
 Manotick Ont.
 Box 346
 Pumping Test

Casing and Screen Record
 Inside diameter of casing 5"
 Total length of casing 60
 Type of screen
 Length of screen
 Depth to top of screen
 Diameter of finished hole 5"

Static level 40
 Test-pumping rate 10 G.P.M.
 Pumping level 80
 Duration of test pumping 1 hr
 Water clear or cloudy at end of test
 Recommended pumping rate 5 G.P.M.
 with pump setting of 100 feet below ground surface

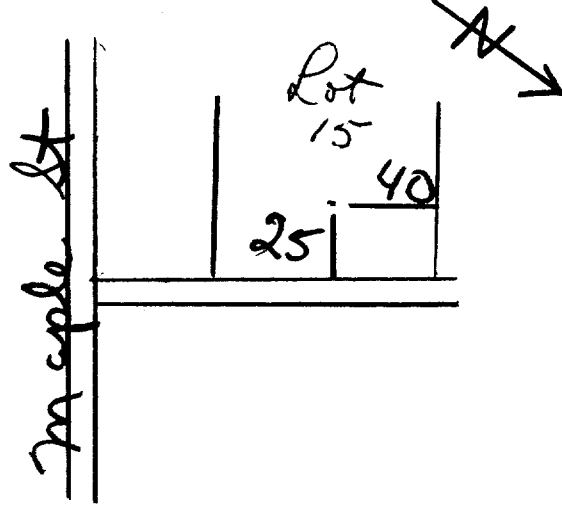
Well Log

| Overburden and Bedrock Record | Water Record | | | |
|----------------------------------|--------------|------------|----------------------------------|---------------------------------------|
| | From ft. | To ft. | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
| <u>sandy clay & boulders</u> | <u>0</u> | <u>35'</u> | <u>116</u> | <u>fresh</u> |
| <u>sand</u> | <u>35</u> | <u>42</u> | | |
| <u>hardpan</u> | <u>42</u> | <u>57</u> | | |
| <u>limestone</u> | <u>57</u> | <u>117</u> | | |

For what purpose(s) is the water to be used?
new house
 Is well on upland, in valley, or on hillside?
 Drilling or Boring Firm Capital Water Supply Ltd
 Address 14 Ashford Dr
Ottawa 6
 Licence Number 3216
 Name of Driller or Borer M. Kavanagh
 Address
 Date Mar 3, 1969
M. Kavanagh
 (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.





WATER WELL RECORD

Water management in Ontario

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

11 1510653 15004 @BN A

COUNTY OR DISTRICT: **CARLETON** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **NORTH GOWER** CON., BLOCK, TRACT, SURVEY, ETC.: **A** LOT: **25-27**

DATE COMPLETED: DAY **23** MO **06** YR **70**

ADDRESS: **1165 MEADOWLANDS DR.**

GRID COORDINATES: 007950 4 0310 6 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|----|
| | | | | FROM | TO |
| BROWN | CLAY | SAND & BOULDERS | HARD | 0 | 19 |
| GREY | HARDPAN | LARGE BOULDERS | HARD | 19 | 35 |
| GREY | LIMESTONE | | HARD | 35 | 91 |

31 00190050913 003521413 0091215

32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER | | | |
|-----------------------|---|--------------------------------|----------------------------------|----------------------------------|
| 0090 10-13 | <input checked="" type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 15-18 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 20-23 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 25-28 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 30-33 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|-------|
| | | | FROM | TO |
| 3 3/8 10-11 | <input checked="" type="checkbox"/> STEEL | 1 1/8 | 0 | 7 1/2 |
| 05 17-18 | <input checked="" type="checkbox"/> OPEN HOLE | | 40 | 9 1/2 |
| 24-25 | <input type="checkbox"/> STEEL | | | 20-23 |
| | <input type="checkbox"/> GALVANIZED | | | |
| | <input type="checkbox"/> CONCRETE | | | |
| | <input type="checkbox"/> OPEN HOLE | | | |
| | <input type="checkbox"/> GALVANIZED | | | |
| | <input type="checkbox"/> CONCRETE | | | |
| | <input type="checkbox"/> OPEN HOLE | | | |

SCREEN

| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER | LENGTH |
|-------------------------------|----------|--------|
| | | |

MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: _____ FEET

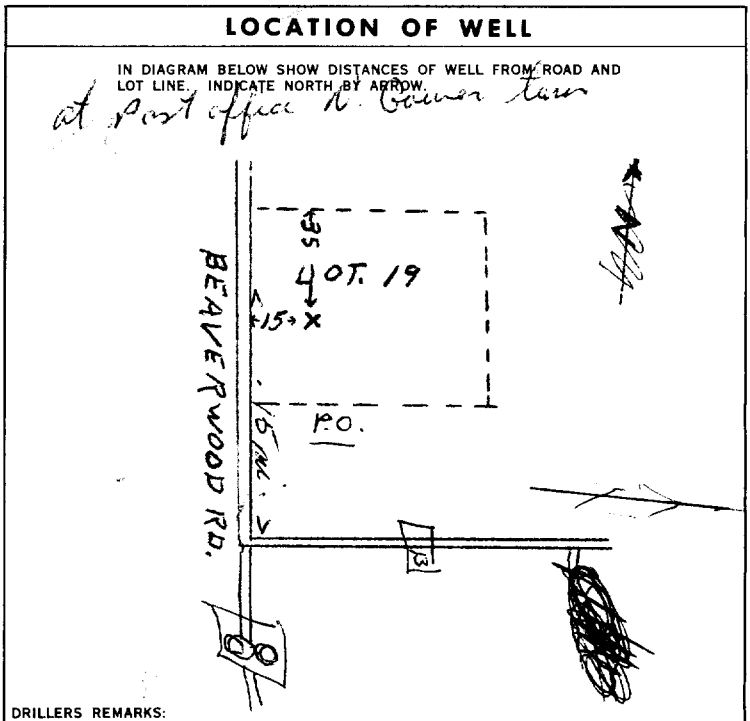
61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|-------|---|
| FROM | TO | |
| 10-13 | 14-17 | |
| 18-21 | 22-25 | |
| 26-29 | 30-33 | |

71 PUMPING TEST

| PUMPING TEST METHOD | PUMPING RATE | DURATION OF PUMPING |
|---|-----------------------------|---|
| <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER | 0010 GPM | 01 HOURS 00 MINS. |
| STATIC LEVEL | WATER LEVELS DURING PUMPING | |
| 035 FEET | 15 MINUTES: 045 FEET | 30 MINUTES: 045 FEET |
| 045 FEET | 45 MINUTES: 045 FEET | 60 MINUTES: 045 FEET |
| IF FLOWING, GIVE RATE | PUMP INTAKE SET AT | WATER AT END OF TEST |
| | | <input type="checkbox"/> CLEAR <input checked="" type="checkbox"/> CLOUDY |
| RECOMMENDED PUMP TYPE | RECOMMENDED PUMP SETTING | RECOMMENDED PUMPING RATE |
| <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | | |

50-53: 001.0 GPM./FT. SPECIFIC CAPACITY



FINAL STATUS OF WELL

WATER SUPPLY ABANDONED, INSUFFICIENT SUPPLY
 OBSERVATION WELL ABANDONED, POOR QUALITY
 TEST HOLE UNFINISHED
 RECHARGE WELL

WATER USE

DOMESTIC COMMERCIAL
 STOCK MUNICIPAL
 IRRIGATION PUBLIC SUPPLY
 INDUSTRIAL COOLING OR AIR CONDITIONING
 OTHER NOT USED

METHOD OF DRILLING

CABLE TOOL BORING
 ROTARY (CONVENTIONAL) DIAMOND
 ROTARY (REVERSE) JETTING
 ROTARY (AIR) DRIVING
 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: **CAPITAL WATER SUPPLY** LICENCE NUMBER: **1558**

ADDRESS: **14 ASHFORD DR Ottawa**

NAME OF DRILLER OR BORER: **J. MOORE** LICENCE NUMBER: _____

SIGNATURE OF CONTRACTOR: *Walter Lavand* SUBMISSION DATE: _____

OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **1558** DATE RECEIVED: **210770**

DATE OF INSPECTION: _____ INSPECTOR: *km*

REMARKS: _____



The Ontario Water Resources Commission Act WATER WELL RECORD

31949

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED

2. CHECK CORRECT BOX WHERE APPLICABLE

11

1511320

MUNICIP. 15004

CON. edn

COUNTY OR DISTRICT

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

CON. BLOCK, TRACT, SURVEY, ETC.

LOT 25-27

Carl

North Gower

A

25-27

Manotick Ont

DATE COMPLETED 30 MO 07 YR 71

RC. 4 ELEVATION 0320 RC. 5 BASIN CODE 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|----|
| | | | | FROM | TO |
| brown | clay | sand | packed | 0 | 10 |
| grey | " | sand & boulders | hard | 10 | 56 |
| grey | lime | | hard | 56 | 89 |

31 001000509 00502050913 0089215

32

41 WATER RECORD

| WATER FOUND AT FEET | KIND OF WATER |
|---------------------|---|
| 10-13 | <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL |
| 15-18 | <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL |
| 20-23 | <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL |
| 25-28 | <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL |
| 30-33 | <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|-------|
| 10-11 | <input checked="" type="checkbox"/> STEEL | 188 | 0 | 59 |
| 17-18 | <input checked="" type="checkbox"/> OPEN HOLE | | | 20-23 |
| 24-25 | <input checked="" type="checkbox"/> STEEL | | | 27-30 |

SCREEN

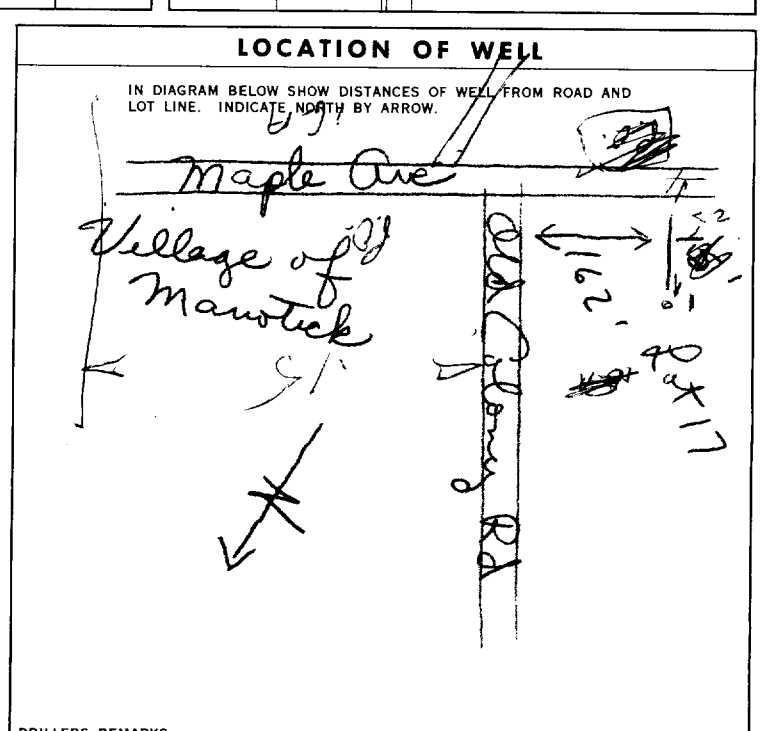
| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER | LENGTH |
|-------------------------------|----------|------------------------|
| | | |
| MATERIAL AND TYPE | | DEPTH TO TOP OF SCREEN |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|---|
| 10-13 | 14-17 |
| 18-21 | 22-25 |
| 26-29 | 30-33 |

71 PUMPING TEST

| | |
|--|--|
| PUMPING TEST METHOD | <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER |
| PUMPING RATE | 0010 GPM. |
| DURATION OF PUMPING | 01 HOURS 00 MINS. |
| STATIC LEVEL | 055 FEET |
| WATER LEVEL END OF PUMPING | 080 FEET |
| WATER LEVELS DURING | 15 MINUTES 080 FEET, 30 MINUTES 080 FEET, 45 MINUTES 080 FEET, 60 MINUTES 080 FEET |
| IF FLOWING, GIVE RATE | |
| RECOMMENDED PUMP TYPE | <input checked="" type="checkbox"/> DEEP |
| RECOMMENDED PUMP SETTING | 080 FEET |
| RECOMMENDED PUMPING RATE | 0005 GPM. |
| 50-53 000.4 GPM./FT. SPECIFIC CAPACITY | |



FINAL STATUS OF WELL

WATER SUPPLY

WATER USE

DOMESTIC

METHOD OF DRILLING

AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply 1558

ADDRESS: 14 Ashford Dr Ottawa

NAME OF DRILLER OR BORER: B Bisson

SIGNATURE OF CONTRACTOR: Walter Kawanaak

OFFICE USE ONLY

DATA SOURCE: 1

CONTRACTOR: 1558

DATE RECEIVED: 190871

DATE OF INSPECTION: _____

INSPECTOR: _____

REMARKS: _____

P K

WI



The Ontario Water Resources Commission Act

WATER WELL RECORD

3164g

Water management in Ontario

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

11

1511335

MUNICIP. 15004

BF
CON. GON

COUNTY OR DISTRICT: Carleton Place TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: North Gower CON., BLOCK, TRACT, SURVEY, ETC.: # B.F. LOT: 25-27

DATE COMPLETED: 08 07 71

NG: 027980 RC: 4 ELEVATION: 0300 RC: 5 BASIN CODE: 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| brown | sand | clay | packed | 0 | 9 |
| grey | lime | | hard | 9 | 89 |
| white | sandstone | | hard | 89 | 120 |

31 0009090808 0089215 02/21/18

32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|----------|-----------------------|--------------|------|
| | | | FROM | TO |
| 5.8 | STEEL | 188 | 0 | 50 |
| 05 | STEEL | | 50 | 0050 |
| 17-18 | STEEL | | | 0120 |
| 24-25 | STEEL | | | 0088 |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|-------------------|-----------------------------------|
| 10-13 | | |
| 18-21 | | |
| 26-29 | | |

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAILER

PUMPING RATE: 0008 GPM. DURATION OF PUMPING: 01 HOURS 00 MINS.

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING | | | |
|--------------|----------------------------|---------------------|------------|------------|------------|
| 015 | 070 | 15 MINUTES | 30 MINUTES | 45 MINUTES | 60 MINUTES |
| 070 | 070 | 070 | 070 | 070 | 070 |

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 075 FEET

RECOMMENDED PUMPING RATE: 0005 GPM.

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.

DRILLERS REMARKS:

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Dr Ottawa

NAME OF DRILLER OR BORER: J. Moore LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Halter Lavanash SUBMISSION DATE: _____

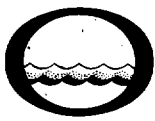
OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 190871

DATE OF INSPECTION: _____ INSPECTOR: [Signature]

REMARKS: _____

P [Signature]
WI



The Ontario Water Resources Commission Act

WATER WELL RECORD

31949

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11 1511375- 151004 CON. A

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: North Gower CON. BLOCK, TRACT, SURVEY, ETC.: A LOT: 002

North Ontario DATE COMPLETED: 48-53
DAY: 26 MO: 08 YR: 71

HING: 007760 RC: 4 ELEVATION: 0320 RC: 5 BASIN CODE: 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|----|
| | | | | FROM | TO |
| Brown | Clay | sand boulders | packed | | 13 |
| Brown | Sand | gravel Clay | " | 13 | 22 |
| Gray | hardpan | boulders | hard | 22 | 34 |
| Blue | Limestone | | hard | 34 | 87 |

31 00136050913 0022609145 003421413 0087215

32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|---|
| 0085' | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 15-18 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|------|
| | | | FROM | TO |
| 6 1/4 | 1 <input checked="" type="checkbox"/> STEEL | 1.188 | 0 | 36 |
| 6 3/4 | 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE | | 36 | 87 |
| 6 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE | | | 0087 |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|---|
| 10-13 | 14-17 |
| 18-21 | 22-25 |
| 26-29 | 30-33 |

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAILER

PUMPING RATE: 0006 GPM. DURATION OF PUMPING: 01 HOURS 00 MINS.

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING |
|--------------|----------------------------|--|
| 018 | 075 | 15 MINUTES: 075 30 MINUTES: 075 45 MINUTES: 075 60 MINUTES: 075 |

IF FLOWING, GIVE RATE: 75 GPM. WATER AT END OF TEST: 075 FEET

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 075 FEET

RECOMMENDED PUMPING RATE: 0006 GPM.

50-53 000.1 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.

DRILLERS REMARKS:

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd LICENCE NUMBER: 1558
ADDRESS: 14 Ashford Dr. Ottawa

NAME OF DRILLER OR BORER: Bob Bisson LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Halter Lavonagh SUBMISSION DATE: DAY 26 MO 8 YR 71

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 100971

DATE OF INSPECTION: INSPECTOR: [Signature]

REMARKS: [Signature]

P [Signature]
WI



The Ontario Water Resources Commission Act WATER WELL RECORD

319/49

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

MUNICIP. 15004 CON. C/W

COUNTY OR DISTRICT **Carl** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE **North Lower** CON., BLOCK, TRACT, SURVEY, ETC. **1** LOT 25-27 **4007**

OWNER (SURNAME FIRST) **Manotick Ont** DATE COMPLETED DAY **19** MO **08** YR **71**

WELL NO. **007740** RC. **4** ELEVATION **0318** RC. **5** BASIN CODE **25**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| brown | hardpan | boulders | packed | 0 | 34 |
| grey | lime | | hard | 34 | 117 |
| " | sandstone | | " | 117 | 150 |

31 003401413 0117215 0150218

32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER | | | |
|-----------------------|---|--------------------------------|----------------------------------|----------------------------------|
| 10-13 | <input checked="" type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 15-18 | <input checked="" type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 20-23 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 25-28 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 30-33 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|----------|-----------------------|--------------|------|
| | | | FROM | TO |
| 10-11 | STEEL | 188 | 0 | 36 |
| 17-18 | STEEL | | 36 | 150 |
| 24-25 | STEEL | | | 0150 |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|---|
| 10-13 | |
| 14-17 | |
| 18-21 | |
| 22-25 | |
| 26-29 | |
| 30-33 | |
| 80 | |

71 PUMPING TEST

PUMPING TEST METHOD: PUMP, BAILER

PUMPING RATE: 0008 GPM

DURATION OF PUMPING: 01 HOURS, 00 MINS.

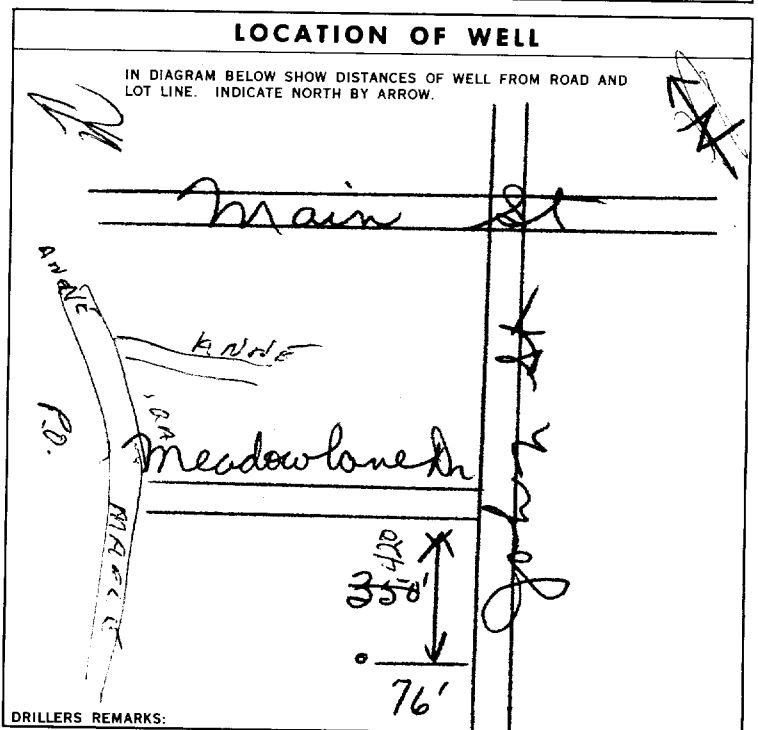
| STATIC LEVEL | WATER LEVEL END OF PUMPING | 15 MINUTES | 30 MINUTES | 45 MINUTES | 60 MINUTES |
|--------------|----------------------------|------------|------------|------------|------------|
| 030 | 075 | 075 | 075 | 075 | 075 |

RECOMMENDED PUMP TYPE: SHALLOW, DEEP

RECOMMENDED PUMP SETTING: 080 FEET

RECOMMENDED PUMPING RATE: 0005 GPM

50-53 000.2 GPM./FT. SPECIFIC CAPACITY



FINAL STATUS OF WELL

WATER SUPPLY, OBSERVATION WELL, TEST HOLE, RECHARGE WELL

WATER USE

DOMESTIC, STOCK, IRRIGATION, INDUSTRIAL, OTHER

METHOD OF DRILLING

AIR PERCUSSION, CABLE TOOL, ROTARY (CONVENTIONAL), ROTARY (REVERSE), ROTARY (AIR), BORING, DIAMOND, JETTING, DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: **Capital Water Supply** LICENCE NUMBER: **1558**

ADDRESS: **14 Ashford Dr**

NAME OF DRILLER OR BORE: **B. Bisson** LICENCE NUMBER: _____

SIGNATURE OF CONTRACTOR: **Walter Kawana** SUBMISSION DATE: **19** MO. **8** YR. **71**

OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **1558** DATE RECEIVED: **00971**

DATE OF INSPECTION: _____ INSPECTOR: _____

REMARKS: _____

P
WI



WATER WELL RECORD

31649A

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11 1511745-15004 CON. CO. W. IA

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Manotick CON., BLOCK, TRACT, SURVEY, ETC.: 31649A LOT: 25-27

OWNER (SURNAME FIRST): [REDACTED] ADDRESS: 21 "D" ST LAURENT BLVD DATE COMPLETED: 21 April 72 48-53: 10002

GRIDING: 007773 RC: 9 ELEVATION: 0011 BASIN CODE: 3317650

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|----|
| | | | | FROM | TO |
| Brown | TOP SOIL | | | 0 | 12 |
| Brown | GRAVEL | | | 12 | 36 |
| Brown | Limestone | Rock | medium hard | 36 | 83 |

31 100121602 100366111 100836115

32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER | | | |
|-----------------------|---|------------------------------------|----|--|
| 10-13 | 1 <input checked="" type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 14 | |
| | 2 <input type="checkbox"/> SALTY | 4 <input type="checkbox"/> MINERAL | | |
| 15-18 | 1 <input type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 19 | |
| | 2 <input type="checkbox"/> SALTY | 4 <input type="checkbox"/> MINERAL | | |
| 20-23 | 1 <input type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 24 | |
| | 2 <input type="checkbox"/> SALTY | 4 <input type="checkbox"/> MINERAL | | |
| 25-28 | 1 <input type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 29 | |
| | 2 <input type="checkbox"/> SALTY | 4 <input type="checkbox"/> MINERAL | | |
| 30-33 | 1 <input type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 34 | |
| | 2 <input type="checkbox"/> SALTY | 4 <input type="checkbox"/> MINERAL | 80 | |

51 CASING & OPEN HOLE RECORD

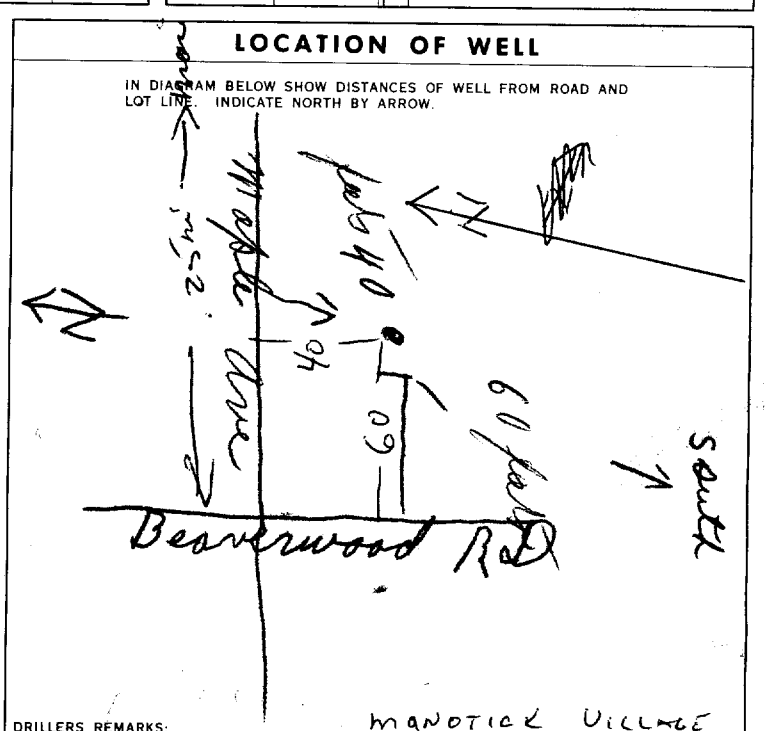
| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|------------|-----------------------|--------------|-------|
| | | | FROM | TO |
| 10-11 | STEEL | | 0 | 18-16 |
| 12 | GALVANIZED | | | 36 |
| 17-18 | STEEL | | | 20-23 |
| 24-25 | STEEL | | | 27-30 |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|-------|---|
| FROM | TO | |
| 10-13 | 14-17 | |
| 18-21 | 22-25 | |
| 26-29 | 30-33 | |

71 PUMPING TEST

| PUMPING TEST METHOD | PUMPING RATE | DURATION OF PUMPING |
|--|----------------------------------|--------------------------|
| 1 <input type="checkbox"/> PUMP | 0010 GPM | 01 HOURS 00 MINS. |
| 2 <input checked="" type="checkbox"/> BAILER | | |
| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING |
| -35 FEET | 045 FEET | 15 MINUTES: 043 FEET |
| | | 30 MINUTES: 044 FEET |
| | | 45 MINUTES: 045 FEET |
| | | 60 MINUTES: 045 FEET |
| IF FLOWING, GIVE RATE | PUMP INTAKE SET AT | WATER AT END OF TEST |
| 0010 GPM | 60 FEET | 045 FEET |
| RECOMMENDED PUMP TYPE | RECOMMENDED PUMP SETTING | RECOMMENDED PUMPING RATE |
| <input type="checkbox"/> SHALLOW | 060 FEET | 0005 GPM |
| <input checked="" type="checkbox"/> DEEP | | |
| 50-53 | 001.0 GPM./FT. SPECIFIC CAPACITY | |



FINAL STATUS OF WELL

54 WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY
 OBSERVATION WELL 6 ABANDONED, POOR QUALITY
 TEST HOLE 7 UNFINISHED
 RECHARGE WELL

WATER USE

55-56 DOMESTIC 5 COMMERCIAL
 STOCK 6 MUNICIPAL
 IRRIGATION 7 PUBLIC SUPPLY
 INDUSTRIAL 8 COOLING OR AIR CONDITIONING
 OTHER 9 NOT USED

METHOD OF DRILLING

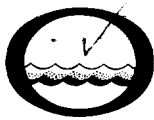
57 CABLE TOOL 6 BORING
 ROTARY (CONVENTIONAL) 7 DIAMOND
 ROTARY (REVERSE) 8 JETTING
 ROTARY (AIR) 9 DRIVING
 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: Maurice Cayer LICENCE NUMBER: 31517
 ADDRESS: Carleton Place Ont
 NAME OF DRILLER OR BORER: [REDACTED] LICENCE NUMBER: [REDACTED]
 SIGNATURE OF CONTRACTOR: Maurice Cayer SUBMISSION DATE: 21 April 72

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1517 DATE RECEIVED: 100572
 DATE OF INSPECTION: [REDACTED] INSPECTOR: K
 REMARKS: Manotick Village
 PK
 WI



The Ontario Water Resources Commission Act WATER WELL RECORD

31g 49

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK CORRECT BOX WHERE APPLICABLE

11 1511819 MUNICIPAL 15204 CON. COW A

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: North York CON. BLOCK, TRACT, SURVEY, ETC.: Beaverbrook St. A LOT 25-27

OWNER (SURNAME FIRST): J. Constructions ADDRESS: Richmond Ont. DATE COMPLETED: 17 July 72

UTM ZONE: 18 EASTING: 445915 NORTHING: 5007740 RC: 4 ELEVATION: 032.0 RC: 5 BASIN CODE: 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|----|
| | | | | FROM | TO |
| grey | clay | boulders | | 0 | 34 |
| grey | limestone | | | 34 | 84 |

31 003420513 0084215

32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER | | | |
|-----------------------|---|--------------------------------|----------------------------------|----------------------------------|
| 0-13 | <input checked="" type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 15-18 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 20-23 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 25-28 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 30-33 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|-------|
| | | | FROM | TO |
| 10-11 | <input checked="" type="checkbox"/> STEEL | 188 | 0 | 37 |
| 17-18 | <input type="checkbox"/> STEEL | | | 20-23 |
| 24-25 | <input checked="" type="checkbox"/> STEEL | | | 27-30 |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|-------|---|
| FROM | TO | |
| 10-13 | 14-17 | |
| 18-21 | 22-25 | |
| 26-29 | 30-33 | |

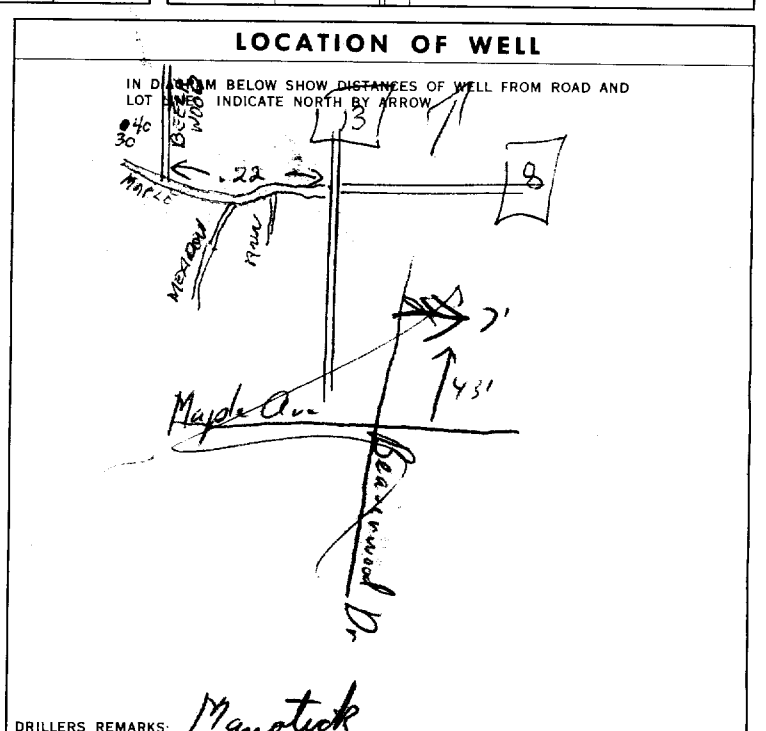
71 PUMPING TEST

PUMPING TEST METHOD: PUMP TRAILER

PUMPING RATE: 0020 GPM. DURATION OF PUMPING: 01 HOURS 00 MINS.

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING PUMPING | | | |
|--------------|----------------------------|-----------------------------|----------------------|----------------------|----------------------|
| 021 FEET | 050 FEET | 15 MINUTES: 042 FEET | 30 MINUTES: 050 FEET | 45 MINUTES: 050 FEET | 60 MINUTES: 050 FEET |

IF FLOWING, GIVE RATE: 000.7 GPM./FT. SPECIFIC CAPACITY



FINAL STATUS OF WELL

WATER SUPPLY OBSERVATION WELL TEST HOLE RECHARGE WELL

WATER USE

DOMESTIC STOCK IRRIGATION INDUSTRIAL OTHER

METHOD OF DRILLING

CABLE TOOL ROTARY (CONVENTIONAL) ROTARY (REVERSE) ROTARY (AIR) AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: Henry Manis Well Drilling LICENCE NUMBER: 3644

ADDRESS: 326, Richmond Ont.

NAME OF DRILLER OR BOREH: George Whittaker LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Henry Manis SUBMISSION DATE: 20 July 72

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 180872

DATE OF INSPECTION: INSPECTOR:

REMARKS:

P K
WI



MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act
WATER WELL RECORD

310/49
County # 15

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

11 1514029-15004 CON A

COUNTY OR DISTRICT: OTTAWA / CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: N GOWER
CON., BLOCK, TRACT, SURVEY, ETC.: CON "A"
LOT: 25-27: 002
DATE COMPLETED: 08 03 YR. 74
ADDRESS: 750 COURTWOOD CRES. OTTAWA
ELEVATION: 0.7693 RC 4 0.310 RC 4 26
BASIN CODE: 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|------------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| GREY | CLAY | | SOFT | 0 | 3 |
| GREY | GRAVEL | BROKEN LIMESTONE | LOOSE | 3 | 8 |
| GREY | LIMESTONE | | MEDIUM HARD | 8 | 88 |
| WHITE | SANDSTONE | | HARD | 88 | 125 |

31 0003205 000821115 0008215 0125118
32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET |
|---------------------|---|-----------------------|--------------|
| | | | FROM TO |
| 06 11/16 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | 1/88 | 0 0022 |
| 06 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE | | 22 0125 |
| 24-25 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | 27-30 |

SCREEN

| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET |
|-------------------------------|-----------------|------------------------|
| 31-33 | 34-38 | 39-40 |
| | | |
| MATERIAL AND TYPE | | DEPTH TO TOP OF SCREEN |
| | | 41-44 80 |

61 PLUGGING & SEALING RECORD

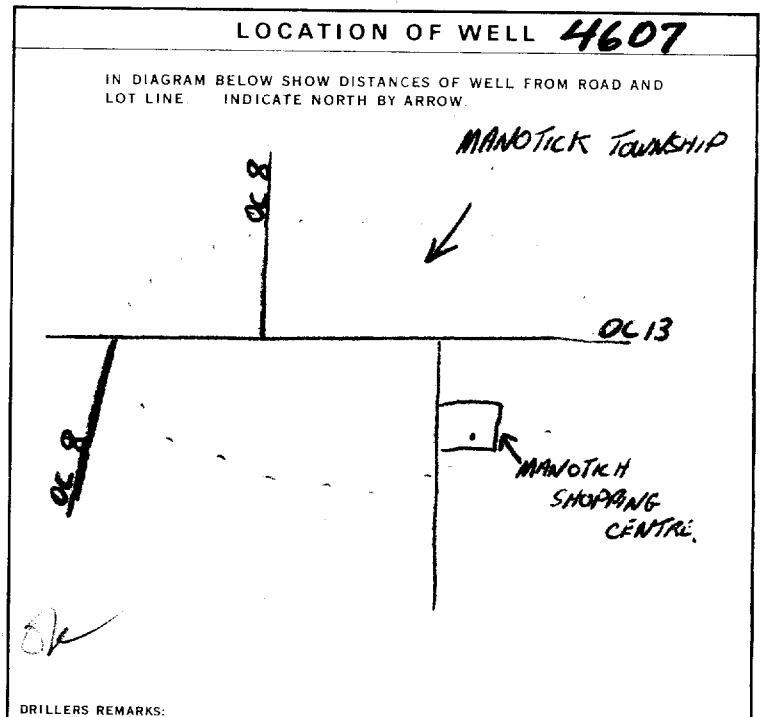
| DEPTH SET AT - FEET | MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.) |
|---------------------|--|
| FROM TO | |
| 10-13 | 14-17 |
| 18-21 | 22-25 |
| 26-29 | 30-33 80 |

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAILER
PUMPING RATE: 0030 GPM
DURATION OF PUMPING: 02 HOURS 00 MINS

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING | 1 <input checked="" type="checkbox"/> PUMPING 2 <input type="checkbox"/> RECOVERY |
|--------------|----------------------------|--|--|
| 19-21 FEET | 22-24 FEET | 15 MINUTES 29-31 FEET 30 MINUTES 075 FEET 45 MINUTES 075 FEET 60 MINUTES 075 FEET | |
| 008 | 075 | 075 | 075 |

IF FLOWING, GIVE RATE: 75 GPM
RECOMMENDED PUMP TYPE: DEEP
RECOMMENDED PUMP SETTING: 075 FEET
RECOMMENDED PUMP RATE: 0005 GPM



54 FINAL STATUS OF WELL: 1 WATER SUPPLY
2 OBSERVATION WELL
3 TEST HOLE
4 RECHARGE WELL
5 ABANDONED, INSUFFICIENT SUPPLY
6 ABANDONED, POOR QUALITY
7 UNFINISHED

55-56 WATER USE: 1 DOMESTIC
2 STOCK
3 IRRIGATION
4 INDUSTRIAL
5 COMMERCIAL
6 MUNICIPAL
7 PUBLIC SUPPLY
8 COOLING OR AIR CONDITIONING
9 NOT USED

57 METHOD OF DRILLING: 1 CABLE TOOL
2 ROTARY (CONVENTIONAL)
3 ROTARY (REVERSE)
4 ROTARY (AIR)
5 AIR PERCUSSION
6 BORING
7 DIAMOND
8 JETTING
9 DRIVING

CONTRACTOR: NAME OF WELL CONTRACTOR: MAPLE LEAF DRILLING, LICENCE NUMBER: 3658
ADDRESS: 409-465 RICHMOND RD OTTAWA
NAME OF DRILLER OR BORER: MR. R. BISSON, LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: [Signature], SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY: DATA SOURCE: 1, CONTRACTOR: 3658, DATE RECEIVED: 270574
DATE OF INSPECTION: _____, INSPECTOR: K
REMARKS: _____



Ontario

WATER WELL RECORD

316/4

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

11 1514236

MUNICIPALITY 15004 CON. CAN. A

| | | | |
|---|---|--|---|
| COUNTY OR DISTRICT Carleton | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE N. GOWER | CON., BLOCK, TRACT, SURVEY, ETC. A | DATE COMPLETED 48-53 DAY 19 MO 07 YR. 74 |
| ADDRESS Box 178 Manotick, Ontario | | LOT NO. 23-27 002 | |

WELL NO. **002062813** TOWNSHIP NO. **005821413** COUNTY NO. **0135815** DISTRICT NO. **0180118**

WELL ID. NO. **008022** DEPTH **4** DIAMETER **300** DATE **MAR 02, 1977** COST **249**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|------------|
| | | | | FROM | TO |
| brown | sand | boulders | packed | 0 | 20 |
| grey | hardpan | boulders | packed | 20 | 58 |
| black | limestone | | medium | 58 | 135 |
| white | sandstone | | hard | 135 | 180 |

31 **002062813** 32 **005821413** 33 **0135815** 34 **0180118**

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER | | | |
|-----------------------|---|------------------------------------|------------------------------------|-------|
| 10-13 0178 | 1 <input checked="" type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 4 <input type="checkbox"/> MINERAL | 14 |
| 15-18 | 1 <input type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 4 <input type="checkbox"/> MINERAL | 19 |
| 20-23 | 1 <input type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 4 <input type="checkbox"/> MINERAL | 24 |
| 25-28 | 1 <input type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 4 <input type="checkbox"/> MINERAL | 29 |
| 30-33 | 1 <input type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 4 <input type="checkbox"/> MINERAL | 34-30 |

51 CASING & OPEN HOLE RECORD

| DEPTH - FEET | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|--------------|---|-----------------------|--------------|-------------|
| | | | FROM | TO |
| 0-11 | 1 <input checked="" type="checkbox"/> STEEL | 188 | 0 | 0068 |
| 11-18 | 2 <input type="checkbox"/> GALVANIZED | | | |
| 18-20 | 3 <input type="checkbox"/> CONCRETE | | | |
| 20-23 | 4 <input checked="" type="checkbox"/> OPEN HOLE | | 68 | 180 |
| 23-25 | 1 <input type="checkbox"/> STEEL | | | |
| 25-27 | 2 <input type="checkbox"/> GALVANIZED | | | |
| 27-30 | 3 <input type="checkbox"/> CONCRETE | | | |
| 30-33 | 4 <input type="checkbox"/> OPEN HOLE | | | |

SCREEN

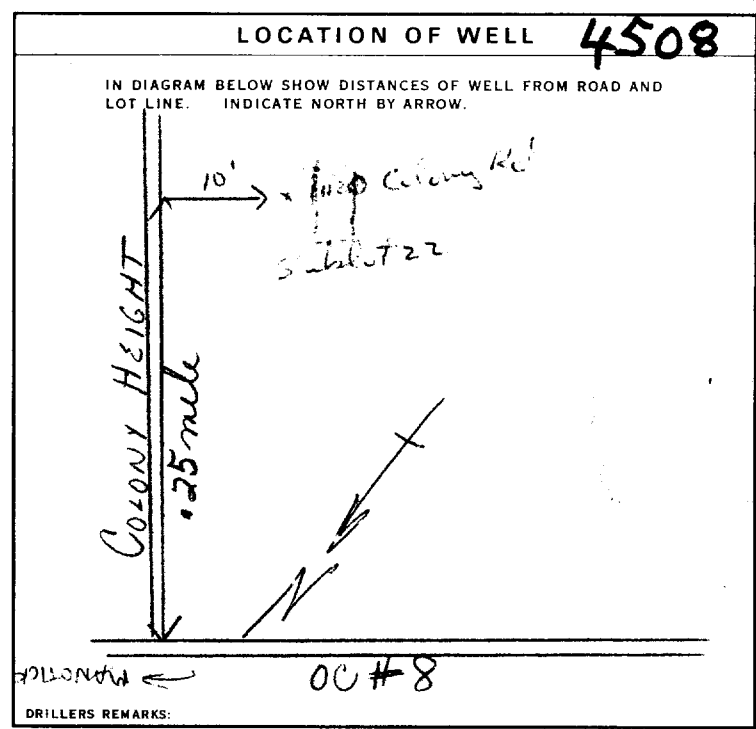
| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER | LENGTH |
|-------------------------------|----------|------------------------|
| | INCHES | FEET |
| MATERIAL AND TYPE | | DEPTH TO TOP OF SCREEN |
| | | 41-44 |
| | | FEET |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|-------------------|-----------------------------------|
| FROM | TO | |
| 10-13 | 14-17 | |
| 18-21 | 22-25 | |
| 26-29 | 30-33 | 80 |

71 PUMPING TEST

| | | |
|--|--|--|
| PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER | PUMPING RATE 00 20 GPM | DURATION OF PUMPING 1 <input checked="" type="checkbox"/> 15-18 HOURS 2 <input type="checkbox"/> 00 MINS |
| STATIC LEVEL 19-21 020 FEET | WATER LEVEL END OF PUMPING 22-24 050 FEET | WATER LEVELS DURING 1 <input checked="" type="checkbox"/> PUMPING 2 <input type="checkbox"/> RECOVERY |
| IF FLOWING, GIVE RATE | PUMP INTAKE SET AT 23-41 0015 GPM | WATER AT END OF TEST 42 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY |
| RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | RECOMMENDED PUMP SETTING 43-45 065 FEET | RECOMMENDED PUMPING RATE 46-49 0005 GPM |
| 50-53 0015 GPM./FT. SPECIFIC CAPACITY | | |



FINAL STATUS OF WELL

| | |
|--|---|
| 1 <input checked="" type="checkbox"/> WATER SUPPLY | 5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY |
| 2 <input type="checkbox"/> OBSERVATION WELL | 6 <input type="checkbox"/> ABANDONED, POOR QUALITY |
| 3 <input type="checkbox"/> TEST HOLE | 7 <input type="checkbox"/> UNFINISHED |
| 4 <input type="checkbox"/> RECHARGE WELL | |

WATER USE

| | |
|--|--|
| 1 <input checked="" type="checkbox"/> DOMESTIC | 5 <input type="checkbox"/> COMMERCIAL |
| 2 <input type="checkbox"/> STOCK | 6 <input type="checkbox"/> MUNICIPAL |
| 3 <input type="checkbox"/> IRRIGATION | 7 <input type="checkbox"/> PUBLIC SUPPLY |
| 4 <input type="checkbox"/> INDUSTRIAL | 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING |
| <input type="checkbox"/> OTHER | 9 <input type="checkbox"/> NOT USED |

METHOD OF DRILLING

| | |
|--|------------------------------------|
| 1 <input type="checkbox"/> CABLE TOOL | 6 <input type="checkbox"/> BORING |
| 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) | 7 <input type="checkbox"/> DIAMOND |
| 3 <input type="checkbox"/> ROTARY (REVERSE) | 8 <input type="checkbox"/> JETTING |
| 4 <input checked="" type="checkbox"/> ROTARY (AIR) | 9 <input type="checkbox"/> DRIVING |
| 5 <input checked="" type="checkbox"/> AIR PERCUSSION | |

CONTRACTOR

| | |
|---|---|
| NAME OF WELL CONTRACTOR Capital Water Supply Ltd. | LICENCE NUMBER 1558 |
| ADDRESS Box 490 Stittsville, Ontario | |
| NAME OF DRILLER OR BORER M. Hamilton | LICENCE NUMBER |
| SIGNATURE OF CONTRACTOR <i>M. Hamilton</i> | SUBMISSION DATE DAY 22 MO. 7 YR. 74 |

OFFICE USE ONLY

| | | |
|-------------------------------------|-----------------------------|--|
| DATA SOURCE 1 | CONTRACTOR 1558 | DATE RECEIVED 220874 |
| DATE OF INSPECTION 230476 | INSPECTOR V/K Dyl | |
| REMARKS: | | P <input checked="" type="checkbox"/> |
| | | WI <input checked="" type="checkbox"/> |



WATER WELL RECORD

316/4

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

11

1515411

MUNICIPALITY 15004

CON. CAN

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| | | | |
|--|---|--|--|
| COUNTY OR DISTRICT Carleton | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Rideau (North Gower) | CON., BLOCK, TRACT, SURVEY, ETC. A 3 | DATE COMPLETED 48-53 DAY 18 MO 06 YR 76 |
| OWNER (SURNAME FIRST) [REDACTED] | ADDRESS Manotick, Ontario K0A 2N0 | WELL NO. 002 | DEPTH TO TOP OF SCREEN 2 |
| DEPTH TO TOP OF SCREEN 007850 | RC 5 | ELEVATION 0310 | RC 5 |
| DEPTH TO TOP OF SCREEN 24 | RC 25 | ELEVATION 0310 | RC 30 |
| DEPTH TO TOP OF SCREEN 24 | RC 25 | ELEVATION 0310 | RC 30 |

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| brown | clay | sand & boulders | packed | 0 | 7 |
| grey | hardpan | boulders | packed | 7 | 40 |
| grey | limestone | | medium | 40 | 148 |

31 00076052813 00402141379 0148215

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|---|
| 0120 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 0142 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. - INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|-----------------------|--|-----------------------|--------------|------|
| 6 1/2 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE | 188 | 8 | 0044 |
| 5 1/2 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE | | 44 | 148 |
| 06 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE | | | 0148 |

SCREEN

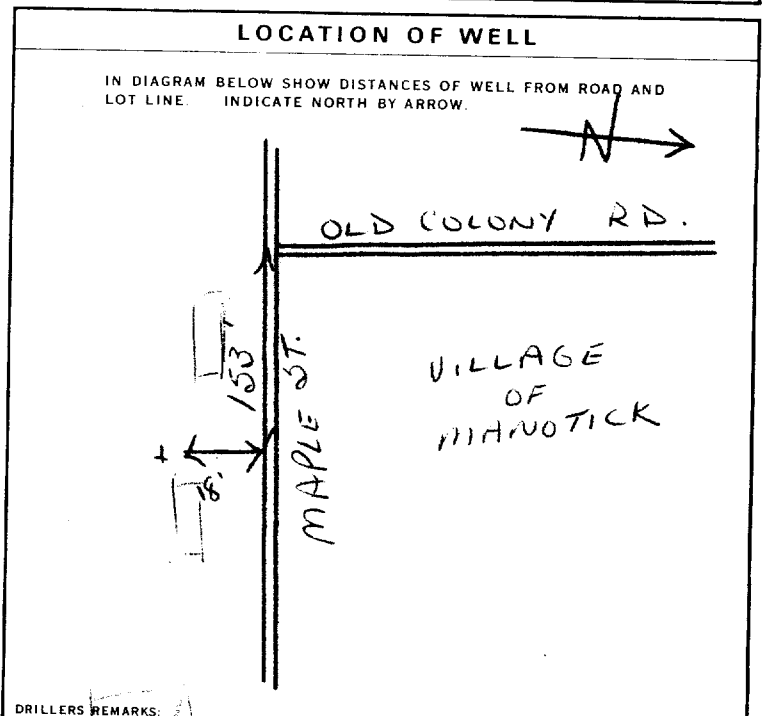
| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER | LENGTH |
|-------------------------------|----------|------------------------|
| | INCHES | FEET |
| MATERIAL AND TYPE | | DEPTH TO TOP OF SCREEN |
| | | FEET |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.) |
|---------------------|--|
| 10-13 | 14-17 |
| 18-21 | 22-25 |
| 26-29 | 30-33 |

71 PUMPING TEST

| | | |
|---|--|---|
| PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER | PUMPING RATE 0020 GPM | DURATION OF PUMPING 15-16 HOURS 00 MINS |
| STATIC LEVEL 035 FEET | WATER LEVEL END OF PUMPING 050 FEET | WATER LEVELS DURING 15 MINUTES 050 FEET 30 MINUTES 050 FEET 45 MINUTES 050 FEET 60 MINUTES 050 FEET |
| IF FLOWING, GIVE RATE | PUMP INTAKE SET AT | WATER AT END OF TEST |
| RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | RECOMMENDED PUMP SETTING 070 FEET | RECOMMENDED PUMPING RATE 0005 GPM |



FINAL STATUS OF WELL

WATER USE 02

METHOD OF DRILLING 5

| | |
|--|---|
| 1 <input checked="" type="checkbox"/> WATER SUPPLY | 5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY |
| 2 <input type="checkbox"/> OBSERVATION WELL | 6 <input type="checkbox"/> ABANDONED POOR QUALITY |
| 3 <input type="checkbox"/> TEST HOLE | 7 <input type="checkbox"/> UNFINISHED |
| 4 <input type="checkbox"/> RECHARGE WELL | |

| | |
|---|--|
| 1 <input type="checkbox"/> DOMESTIC | 5 <input type="checkbox"/> COMMERCIAL |
| 2 <input checked="" type="checkbox"/> STOCK | 6 <input type="checkbox"/> MUNICIPAL |
| 3 <input type="checkbox"/> IRRIGATION | 7 <input type="checkbox"/> PUBLIC SUPPLY |
| 4 <input type="checkbox"/> INDUSTRIAL | 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING |
| | 9 <input type="checkbox"/> NOT USED |

| | |
|--|------------------------------------|
| 1 <input type="checkbox"/> CABLE TOOL | 6 <input type="checkbox"/> BORING |
| 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) | 7 <input type="checkbox"/> DIAMOND |
| 3 <input type="checkbox"/> ROTARY (REVERSE) | 8 <input type="checkbox"/> JETTING |
| 4 <input type="checkbox"/> ROTARY (AIR) | 9 <input type="checkbox"/> DRIVING |
| 5 <input checked="" type="checkbox"/> AIR PERCUSSION | |

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558

ADDRESS: Box 40, Stittville, Ontario

NAME OF DRILLER OR ORDERER: W. K. [Signature] LICENCE NUMBER: [REDACTED]

SUBMISSION DATE: DAY 21 MO 6 YR 76

OFFICE USE ONLY

DATA SOURCE: 1558 CONTRACTOR: 1558 DATE RECEIVED: 080776

DATE OF INSPECTION: 31 Aug 76 INSPECTOR: M. P. R. Dwyer

REMARKS:

P

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Ontario

WATER WELL RECORD

31 6/4

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

11 1515427 15004 CON A

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: N. GOWER CON., BLOCK, TRACT, SURVEY, ETC. 002

OWNER (SURNAME, TEST): [REDACTED] ADDRESS: Manotick Box 123 DATE COMPLETED: 09 02 76

DEPTH: 24 25 26 30 31 32

WATER FOUND AT FEET: 007.700 RC: 5 ELEVATION: 0300 RC: 5 BASIN CODE: 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-------|
| | | | | FROM | TO |
| grey clay | grey limestone | gravel | | 0 | 3 1/2 |
| | | | | 3 1/2 | 5 1/4 |

31 0.004205/1 0.0542/5

32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

| INSECT DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|-------|
| | | | FROM | TO |
| 10-11 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | 188 | 0 | 0025 |
| 17-18 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | | 20-23 |
| 24-25 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | | 27-30 |

SCREEN

| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER | LENGTH |
|-------------------------------|----------|--------|
| | INCHES | FEET |
| | | FEET |

MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: _____

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|---|
| 10-13 | 14-17 |
| 18-21 | 22-25 |
| 26-29 | 30-33 80 |

71 PUMPING TEST METHOD

1 PUMP 2 BAILER

10 PUMPING RATE: 00/0 GPM

11-14 DURATION OF PUMPING: 01 15-16 00 17-18 00 MINS

19-21 STATIC LEVEL: 008 FEET

22-24 WATER LEVEL END OF PUMPING: 030 FEET

25 WATER LEVELS DURING PUMPING

| | | | |
|------------|------------|------------|------------|
| 15 MINUTES | 30 MINUTES | 45 MINUTES | 60 MINUTES |
| 030 | 030 | 030 | 030 |

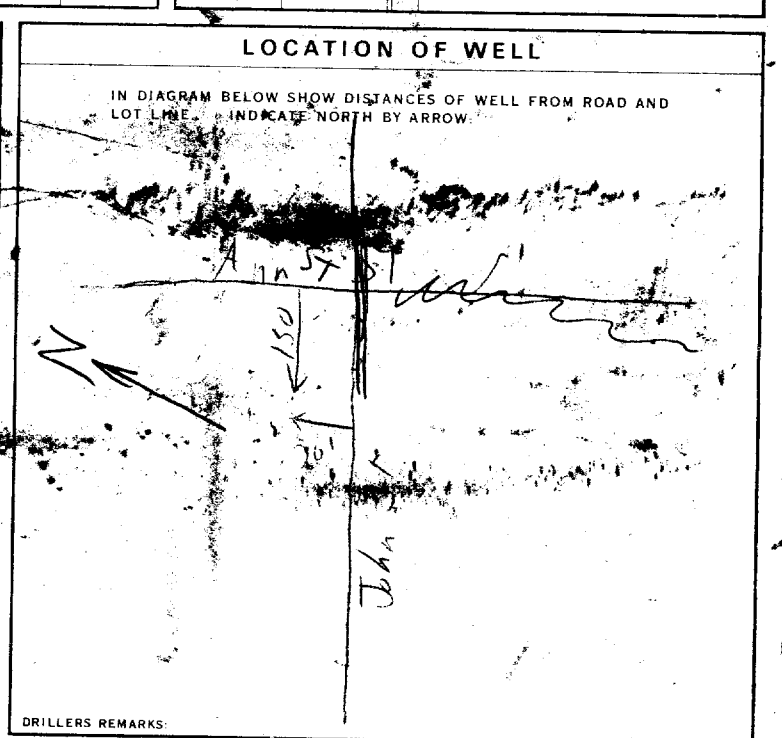
26-28 FEET 29-31 FEET 32-34 FEET 35-37 FEET

38-41 PUMP INTAKE SET AT: _____ FEET

42 WATER AT END OF TEST: _____

43-45 RECOMMENDED PUMP SETTING: 030 FEET

46-49 RECOMMENDED PUMPING RATE: 00/0 GPM



FINAL STATUS OF WELL 1

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

WATER USE 01

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

METHOD OF DRILLING 5

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Henry [Signature] Well Drilling LICENCE NUMBER: 3644

ADDRESS: [REDACTED]

NAME OF DRILLER OR BDR: [Signature] LICENCE NUMBER: [REDACTED]

SIGNATURE OF CONTRACTOR: [Signature]

SUBMISSION DATE: DAY 8 MO. 2 YR. 76

OFFICE USE ONLY

DATA SOURCE: 1 58 CONTRACTOR: 3644 59-62 DATE RECEIVED: 080776 63-68 80

DATE OF INSPECTION: 31 Aug 76 INSPECTOR: [Signature]

REMARKS: [REDACTED]

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Ministry of the Environment

Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

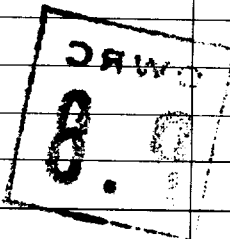
11 1516364 15004 CON A

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: N. Gower CON., BLOCK, TRACT, SURVEY, ETC.: A Manotick LOT: 002

OWNER (SURNAME FIRST): 28-47: BILWARK Construction Ltd. ADDRESS: 881 Lady Ellen Place, Ottawa, Ont. DATE COMPLETED: 05 MO 10 YR 77

UTM: 18 476260 NORTHING: 5007900 S ELEVATION: 0295 S Q6

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|---|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| | Gravel | Boulders | | 0 | 25 |
| | Limestone | | | 25 | 120 |
|  | | | | | |

31 0025 1113 0120 15

32

4 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|---|
| 0095 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 0120 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

5 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|-------|
| | | | FROM | TO |
| 06 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | .188 | 0 | 0031 |
| 17-18 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | | 31 |
| 24-25 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | | 27-30 |

SCREEN

| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET |
|-------------------------------|-----------------|-----------------------------------|
| | 31-33 | 34-38 |
| MATERIAL AND TYPE | | DEPTH TO TOP OF SCREEN 41-44 FEET |

61 PLUGGING & SEALING RECORD

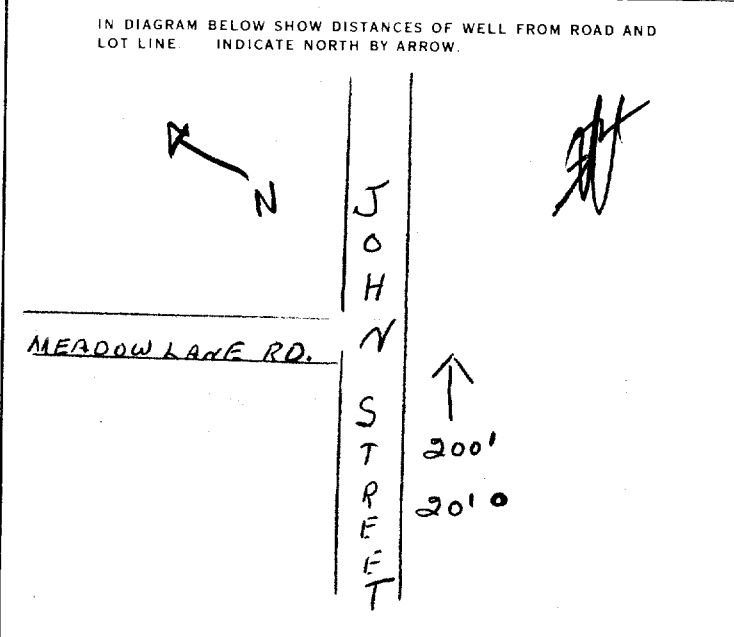
| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT, LEAD PACKER, ETC. |
|---------------------|-------------------|---------------------------------|
| 10-13 | 14-17 | |
| 18-21 | 22-25 | |
| 26-29 | 30-33 | 80 |

71 PUMPING TEST

| PUMPING TEST METHOD | PUMPING RATE GPM | DURATION OF PUMPING HOURS |
|---|--------------------------------------|------------------------------------|
| 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER | 0010 | 00 15-16 HOURS 30 MINS |
| STATIC LEVEL: 025 FEET | WATER LEVEL END OF PUMPING: 115 FEET | WATER LEVELS DURING: |
| IF FLOWING, GIVE RATE | PUMP INTAKE SET AT | WATER AT END OF TEST |
| RECOMMENDED PUMP TYPE: <input checked="" type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | RECOMMENDED PUMP SETTING: 050 FEET | RECOMMENDED PUMPING RATE: 0010 GPM |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR: McLean Water Supply Ltd. LICENCE NUMBER: 3504
 ADDRESS: 1532 Raven Ave. Ottawa, Ont.
 NAME OF DRILLER OR BORER: A. Scharf
 SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: 10 MO 10 YR 77

OFFICE USE ONLY

DATA SOURCE: 1 3504 CONTRACTOR: 58 DATE RECEIVED: 100178 63-68 80
 DATE OF INSPECTION: JUNE 7/78 INSPECTOR: DN
 REMARKS: O.P.P. STATION



Ministry of the Environment

Ontario

The Ontario Water Resources Act

WATER WELL RECORD

31G49

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

11

1516469

MUNICIPALITY 15004

CON. C6N

A

| | | | |
|--|---|---|-------------------------|
| COUNTY OR DISTRICT OTTAWA CARLETON | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE RIDEAU North Lower | CON., BLOCK, TRACT, SURVEY, ETC. A | LOT 25-27 002 |
| OWNER (SURNAME FIRST) LEIMERK FARMS LTD. | ADDRESS MANOTICK ONTARIO | DATE COMPLETED DAY 20 MO 02 YR 78 | |

| | | | | | | |
|-------------------|---------------------------|-----------------------------|----------------|--------------------------|----------------|-------------------------|
| ZONE 18 | EASTING 446.120 | NORTHING 5007.820 | RC 4 | ELEVATION 0290 | RC 4 | Basin CODE 26 |
|-------------------|---------------------------|-----------------------------|----------------|--------------------------|----------------|-------------------------|

| LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) | | | | | |
|--|----------------------|-----------------|---------------------|--------------|---------|
| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
| | | | | FROM | TO |
| Brown | SAND | CLAY | PACKED | 0 | 13 1/2' |
| GREY | LIMESTONE | | | 13 1/2' | 91' |
| WHITE | SANDSTONE | | | 91 | 123' |

| | | | |
|----|-------------|---------|---------|
| 31 | 00146280579 | 0091215 | 0123118 |
|----|-------------|---------|---------|

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|--|
| 0-13 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 15-18 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

0046
0122

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET |
|--------------------|---|-----------------------|--------------|
| 10-21 | <input checked="" type="checkbox"/> STEEL | 1.188 | 0 (0022) |
| 17-18 | <input checked="" type="checkbox"/> STEEL | | 22 (023) |
| 24-25 | <input checked="" type="checkbox"/> STEEL | | |

SCREEN

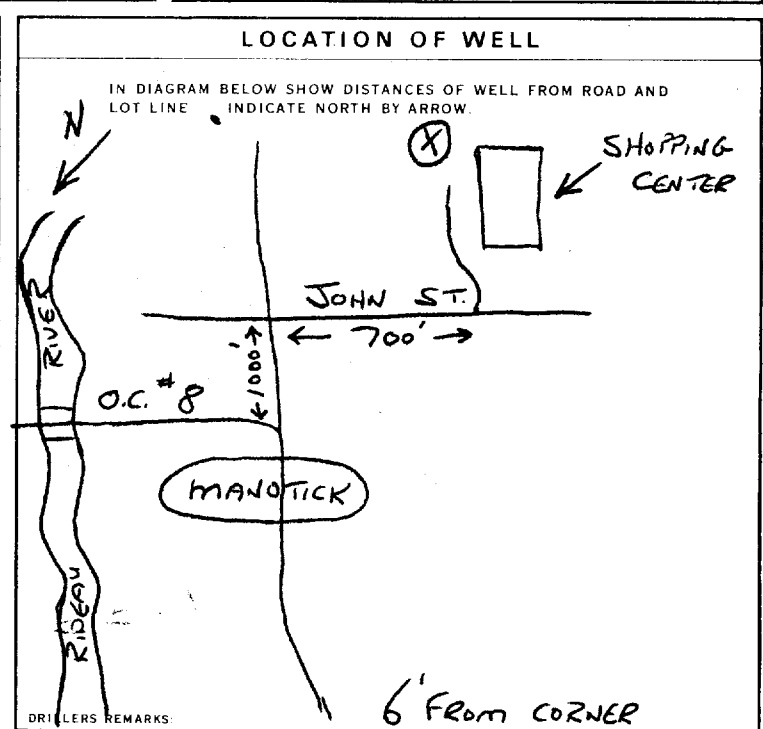
| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET |
|-------------------------------|-----------------|-------------|
| | | |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|---|
| 10-13 | 14-17 |
| 18-21 | 22-25 |
| 26-29 | 30-33 |

71 PUMPING TEST

| | | |
|---|---|--|
| PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER | PUMPING RATE 0035 GPM | DURATION OF PUMPING 02 HOURS 00 MINS |
| STATIC LEVEL 008 FEET | WATER LEVEL END OF PUMPING 118 FEET | WATER LEVELS DURING PUMPING 15 MINUTES 118 30 MINUTES 118 45 MINUTES 118 60 MINUTES 118 |
| IF FLOWING, GIVE RATE | PUMP INTAKE SET AT 118 FEET | WATER AT END OF TEST 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY |
| RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | RECOMMENDED PUMP SETTING 118 FEET | RECOMMENDED PUMPING RATE 0035 GPM |



FINAL STATUS OF WELL

| | |
|--|---|
| 1 <input checked="" type="checkbox"/> WATER SUPPLY | 5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY |
| 2 <input type="checkbox"/> OBSERVATION WELL | 6 <input type="checkbox"/> ABANDONED, POOR QUALITY |
| 3 <input type="checkbox"/> TEST HOLE | 7 <input type="checkbox"/> UNFINISHED |
| 4 <input type="checkbox"/> RECHARGE WELL | |

WATER USE

| | |
|---------------------------------------|--|
| 1 <input type="checkbox"/> DOMESTIC | 5 <input checked="" type="checkbox"/> COMMERCIAL |
| 2 <input type="checkbox"/> STOCK | 6 <input type="checkbox"/> MUNICIPAL |
| 3 <input type="checkbox"/> IRRIGATION | 7 <input type="checkbox"/> PUBLIC SUPPLY |
| 4 <input type="checkbox"/> INDUSTRIAL | 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING |
| <input type="checkbox"/> OTHER | 9 <input type="checkbox"/> NOT USED |

METHOD OF DRILLING

| | |
|--|------------------------------------|
| 1 <input type="checkbox"/> CABLE TOOL | 6 <input type="checkbox"/> BORING |
| 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) | 7 <input type="checkbox"/> DIAMOND |
| 3 <input type="checkbox"/> ROTARY (REVERSE) | 8 <input type="checkbox"/> JETTING |
| 4 <input type="checkbox"/> ROTARY (AIR) | 9 <input type="checkbox"/> DRIVING |
| 5 <input checked="" type="checkbox"/> AIR PERCUSSION | |

CONTRACTOR

| | |
|---|--|
| NAME OF WELL CONTRACTOR MIRAGE LEAF DRILLING CO. LTD. | LICENCE NUMBER 1365 |
| ADDRESS 877 RIDLEY BLVD. OTTAWA | |
| NAME OF DRILLER OR BORER SIMON SKUSE | LICENCE NUMBER |
| SIGNATURE OF CONTRACTOR <i>Robert Bissada</i> | SUBMISSION DATE DAY 21 MO 02 YR 78 |

OFFICE USE ONLY

| | | |
|-------------------------------------|----------------------------|--------------------------------|
| DATA SOURCE 1 | CONTRACTOR 1365 | DATE RECEIVED 080678 |
| DATE OF INSPECTION 1/6/79 | INSPECTOR J.P.P. | |
| REMARKS | | |



Ontario

WATER WELL RECORD

31649

1. PRINT ONLY IN SPACES PROVIDED

2. CHECK CORRECT BOX WHERE APPLICABLE

11

1517732

MUNICIP. 15.004

CON. CAN

A

| | | | |
|---|---|--|---|
| COUNTY OR DISTRICT Ottawa-Carleton | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Rideau North Gower | CON., BLOCK, TRACT, SURVEY, ETC. A | LOT NO. 002 |
| ADDRESS 10 Rideau Twp., North Gower, Ont. | | | DATE COMPLETED DAY 25 MO 09 YR 81 |
| THING 007799 | RC 4 | ELEVATION 0290 | RC 4 |
| BASIN CODE 26 | | II III IV | |

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| Brown | Clay | | | 0 | 15 |
| Gray | Clay | | | 15 | 25 |
| Gray | Limestone | | | 25 | 95 |
| Gray | Sandstone | | | 95 | 135 |

| | | | | |
|----|---------|---------|---------|---------|
| 31 | 0015605 | 0025205 | 0095215 | 0135218 |
| 32 | | | | |

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|---|
| 0070' | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 0134' | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET |
|---------------------|---|-----------------------|------------------|
| 06 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | 188 | 0 (2218) 0034 |
| 06 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE | | 33'8" 0135 |
| 24-25 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | 27-30 |

SCREEN

| SIZES OF OPENING SLOT NO. 1 | DIAMETER | LENGTH |
|-----------------------------|----------|--------|
| | INCHES | FEET |
| | | 41-44 |
| | | 80 |

MATERIAL AND TYPE

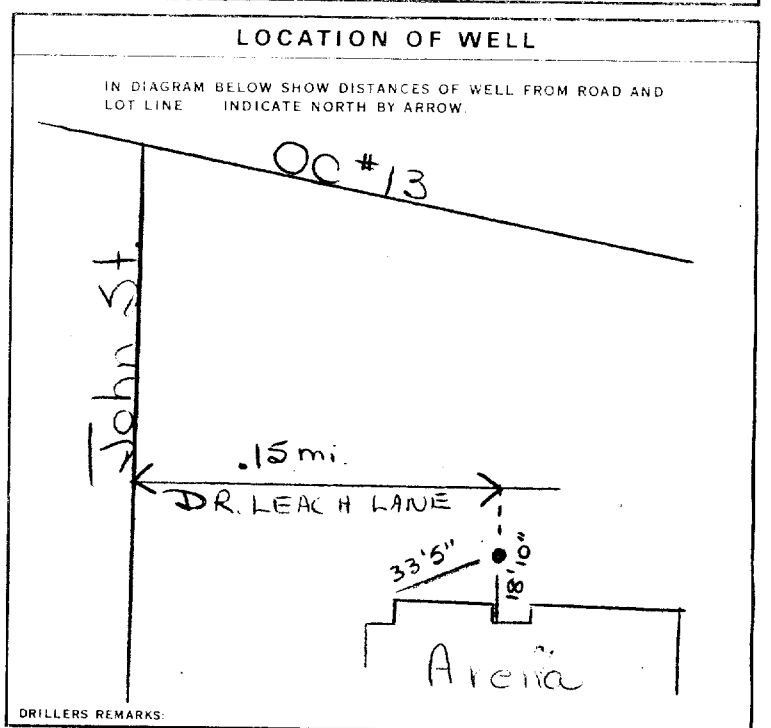
DEPTH TO TOP OF SCREEN

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER, ETC. |
|---------------------|-------------------|--------------------------------|
| FROM TO | | |
| 10-13 | 14-17 | |
| 18-21 | 22-25 | |
| 28-29 | 30-33 | 80 |

71 PUMPING TEST

| | | |
|---|--|---|
| PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER | PUMPING RATE 0075 GPM | DURATION OF PUMPING 01 15-16 HOURS 00 17-18 HRS |
| STATIC LEVEL 020 FEET | WATER LEVEL END OF PUMPING 050 FEET | WATER LEVELS DURING PUMPING |
| 19-21 | 22-24 | 15 MINUTES 26-28 30 MINUTES 29-31 45 MINUTES 32-34 60 MINUTES 35-37 |
| IF FLOWING GIVE RATE | PUMP INTAKE SET AT | WATER AT END OF TEST |
| | GPM | FEET |
| RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | RECOMMENDED PUMP SETTING 100 FEET | RECOMMENDED PUMPING RATE 0005 GPM |
| 50-53 | GPM. / FT. SPECIFIC CAPACITY | |



FINAL STATUS OF WELL

| | |
|--|---|
| 1 <input checked="" type="checkbox"/> WATER SUPPLY | 5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY |
| 2 <input type="checkbox"/> OBSERVATION WELL | 6 <input type="checkbox"/> ABANDONED POOR QUALITY |
| 3 <input type="checkbox"/> TEST HOLE | 7 <input type="checkbox"/> UNFINISHED |
| 4 <input type="checkbox"/> RECHARGE WELL | |

WATER USE

| | |
|--|--|
| 1 <input checked="" type="checkbox"/> DOMESTIC | 5 <input type="checkbox"/> COMMERCIAL |
| 2 <input type="checkbox"/> STOCK | 6 <input type="checkbox"/> MUNICIPAL |
| 3 <input type="checkbox"/> IRRIGATION | 7 <input type="checkbox"/> PUBLIC SUPPLY |
| 4 <input type="checkbox"/> INDUSTRIAL | 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING |
| <input type="checkbox"/> OTHER | 9 <input type="checkbox"/> NOT USED |

METHOD OF DRILLING

| | |
|--|------------------------------------|
| 1 <input type="checkbox"/> CABLE TOOL | 6 <input type="checkbox"/> BORING |
| 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) | 7 <input type="checkbox"/> DIAMOND |
| 3 <input type="checkbox"/> ROTARY (REVERSE) | 8 <input type="checkbox"/> JETTING |
| 4 <input type="checkbox"/> ROTARY (AIR) | 9 <input type="checkbox"/> DRIVING |
| 5 <input checked="" type="checkbox"/> AIR PERCUSSION | |

CONTRACTOR

| | |
|---|--|
| NAME OF WELL CONTRACTOR Capital Water Supply Ltd. | LICENCE NUMBER 1558 |
| ADDRESS Box 490, Stittsville, Ontario K0A 3G0 | |
| NAME OF DRILLER OR BORER S. Miller | LICENCE NUMBER |
| SIGNATURE OF CONTRACTOR <i>[Signature]</i> | SUBMISSION DATE DAY 28 MO 09 YR 81 |

OFFICE USE ONLY

| | | |
|-------------------------|---------------------------|----------------------------------|
| DATA SOURCE 1 | CONTRACTOR 1558 | DATE RECEIVED 03 03 82 |
| DATE OF INSPECTION | INSPECTOR | |
| REMARKS | | |
| | | P |
| | | WI |
| | | CS: Eo |

31649

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

11 1517735 15004 CON. CQN A

COUNTY OR DISTRICT: Ottawa-Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Rideau - North Gower CON. BLOCK, TRACT, SURVEY, ETC: A

DATE COMPLETED: DAY 14 MO 10 YR 81

WELL NO: 007899 RC: 4 ELEVATION: 0300 RC: 4 BASIN CODE: 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) Table with columns: GENERAL COLOUR, MOST COMMON MATERIAL, OTHER MATERIALS, GENERAL DESCRIPTION, DEPTH - FEET (FROM, TO). Includes handwritten entries: Gray Sandstone, White Layers, 0 - 100' drilled previously.

31 0100 24 014021874

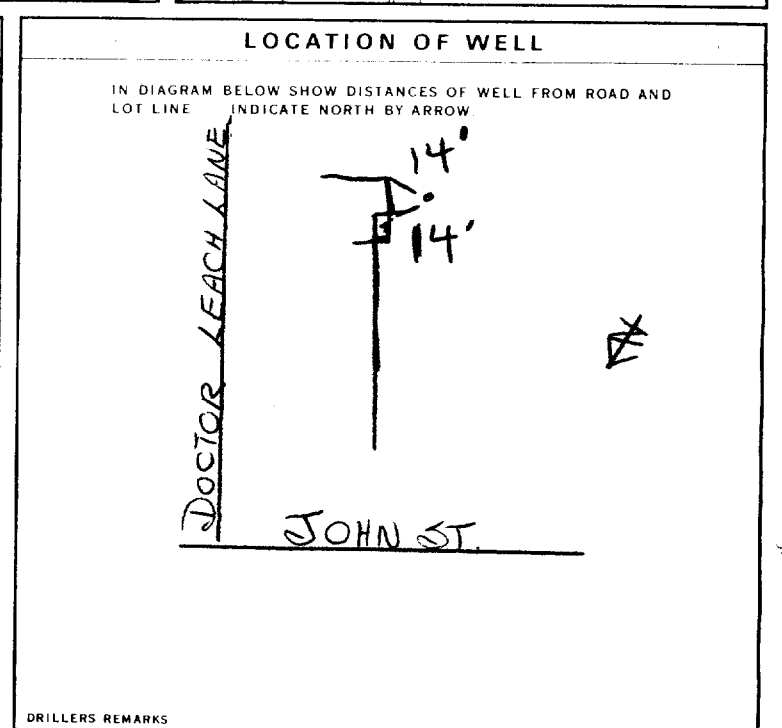
41 WATER RECORD Table with columns: WATER FOUND AT - FEET, KIND OF WATER (Fresh, Salty, Sulphur, Mineral).

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

SCREEN Table with columns: SIZE(S) OF OPENING (SLOT NO.), DIAMETER INCHES, LENGTH FEET, MATERIAL AND TYPE, DEPTH TO TOP OF SCREEN FEET.

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

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



FINAL STATUS OF WELL, WATER USE, METHOD OF DRILLING. Includes handwritten entries: 05, 5, ARENA.

CONTRACTOR Table with fields: NAME OF WELL CONTRACTOR, LICENCE NUMBER, ADDRESS, NAME OF DRILLER OR BORER, LICENCE NUMBER, SIGNATURE OF CONTRACTOR, SUBMISSION DATE.

OFFICE USE ONLY Table with fields: DATA SOURCE, CONTRACTOR, DATE RECEIVED, DATE OF INSPECTION, INSPECTOR, REMARKS.

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

11 1517944 MUNICIPAL 15004 CON. CON A

COUNTY OR DISTRICT: Ottawa-Capleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Rideau - North Gower CON. BLOCK, TRACT, SURVEY, ETC.: Conc. A
 DATE COMPLETED: DAY 27 MO 05 YR 82
 BEAVERWOOD RD., MANOTICK, ONTARIO
 RING: 0.07899 RC: 4 ELEVATION: 0.290 RC: 4 BASIN CODE: 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-------------------|---------------------|--------------|----|
| | | | | FROM | TO |
| Brown | Clay | Boulders | Hard Packed | 0 | 16 |
| Gray | Hardpan | Gravel & Boulders | Hard Packed | 16 | 38 |
| Gray | Limestone | | Very Hard | 38 | 52 |

31 00146051373 00382141113 00522159073
 32

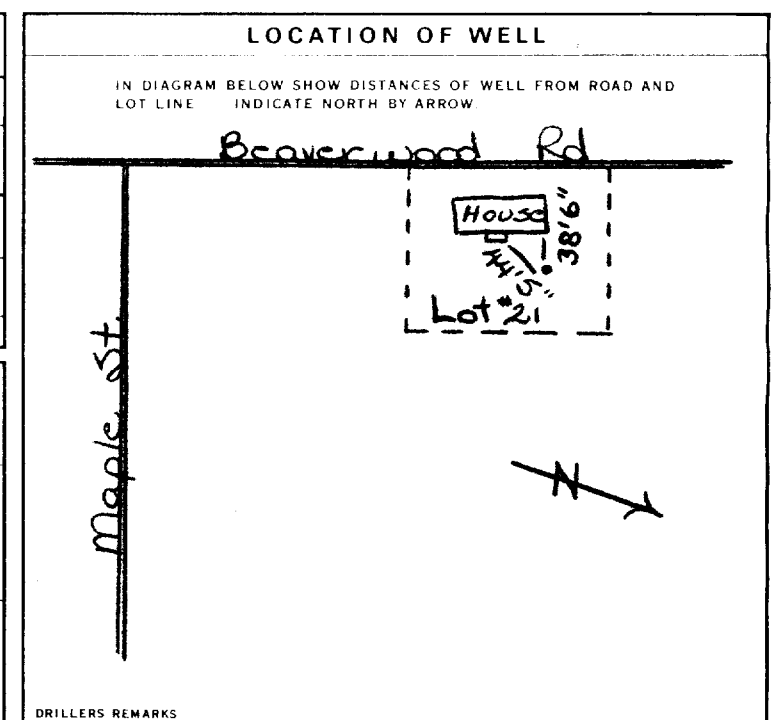
41 WATER RECORD
 WATER FOUND AT - FEET: 0050'
 KIND OF WATER: 1 FRESH 3 SULPHUR 4 MINERAL

51 CASING & OPEN HOLE RECORD
 INSIDE DIAM. INCHES: 06 1/8
 MATERIAL: 1 STEEL 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE
 WALL THICKNESS INCHES: 188
 DEPTH - FEET: 0 0039
 06 1/8
 39 0052

SCREEN SIZE OF OPENING (SLOT NO.): 31-33 DIAMETER: 34-38 LENGTH: 39-40
 MATERIAL AND TYPE: DEPTH TO TOP OF SCREEN: 41-44 10

61 PLUGGING & SEALING RECORD
 DEPTH SET AT - FEET: 10-13 14-17 18-21 22-25 26-29 30-33 80
 MATERIAL AND TYPE: (CEMENT GROUT LEAD PACKER, ETC.)

71 PUMPING TEST METHOD: 1 PUMP 2 BAILER
 PUMPING RATE: 00 10 GPM DURATION OF PUMPING: 03 HOURS 00 MINS
 STATIC LEVEL: 027 FEET WATER LEVELS DURING PUMPING: 032 FEET
 PUMP INTAKE SET AT: 38-41 FEET WATER AT END OF TEST: 032 FEET
 RECOMMENDED PUMP TYPE: 1 SHALLOW 2 DEEP
 RECOMMENDED PUMP SETTING: 040 FEET RECOMMENDED PUMPING RATE: 0005 GPM



FINAL STATUS OF WELL: 1 WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY
 WATER USE: 1 DOMESTIC 5 COMMERCIAL
 METHOD OF DRILLING: 1 CABLE TOOL 6 BORING

CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558
 ADDRESS: Box 490; Stittsville, Ont. KOA 3G0
 NAME OF DRILLER OR BORER: J. Moore LICENCE NUMBER:
 SIGNATURE OF CONTRACTOR: SUBMISSION DATE: 01 06 82

OFFICE USE ONLY: DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 05 10 82
 DATE OF INSPECTION: INSPECTOR:
 REMARKS:

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

11

1518928

MUNICIPALITY: 15004 CON. AREA: A

COUNTY OR DISTRICT: Ottawa-Carleton TOWNSHIP, BOROUGH, CITY, TOWN VILLAGE: Rideau - North Gower CON. BLOCK, TRACT, SURVEY ETC: Conc. A LOT: 25-27: 002

OWNER (SURNAME FIRST): Aselford-Martin Ltd. ADDRESS: 1725 Woodward Dr.; Ottawa, Ont. K2C 0R4 DATE COMPLETED: DAY 21 MO 03 YR 84

U.T.M. ZONE: 18 EASTING: 446099 NORTHING: 5007899 RC: 4 ELEVATION: 031.0 RC: 4 BASIN CODE: 26

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-------------------|---------------------|--------------|----|
| | | | | FROM | TO |
| Brown | Clay | | Packed | 0 | 14 |
| Blue | Clay | | Soft | 14 | 23 |
| Blue | Clay | boulders | Soft | 23 | 41 |
| Gray | Sand | boulders & gravel | Packed | 41 | 51 |
| Gray | Limestone | | Medium | 51 | 75 |

31: 001460579 002330585 00413051385 00512281311 007521578

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

| WELL DIA. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|------------------|----------|-----------------------|--------------|------|
| | | | FROM | TO |
| 06 | STEEL | 188 | 0 | 53 |
| 06 | STEEL | | 53 | 0075 |

SCREEN

| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET |
|-------------------------------|-----------------|-------------|
| | | |

61 PLUGGING & SEALING RECORD

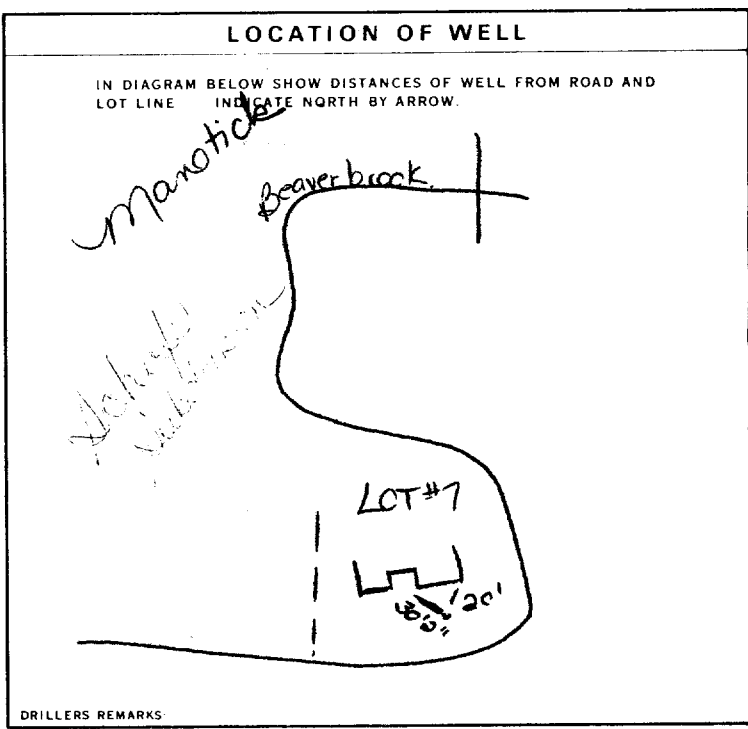
| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT (LEAD PACKER, ETC.) |
|---------------------|-------------------|----------------------------------|
| 10-13 | | |
| 18-21 | | |
| 26-29 | | |

71 PUMPING TEST

| PUMPING TEST METHOD | PUMPING RATE | DURATION OF PUMPING |
|--|--------------|---------------------|
| 1 <input checked="" type="checkbox"/> PUMP | 0015 GPM | 01 HOURS 00 MINS |

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING |
|--------------|----------------------------|--|
| 012 FEET | 035 FEET | 15 MINUTES: 035 FEET 30 MINUTES: 035 FEET 45 MINUTES: 035 FEET 60 MINUTES: 035 FEET |

RECOMMENDED PUMP TYPE: DEEP RECOMMENDED PUMP SETTING: 050 FEET RECOMMENDED PUMPING RATE: 0005 GPM



FINAL STATUS OF WELL: 1 WATER SUPPLY

WATER USE: 01 DOMESTIC

METHOD OF DRILLING: 5 AIR PERCUSSION

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558

ADDRESS: Box 490; Stittsville, Ontario. KOA 3G0

NAME OF DRILLER OR BORER: W. Kavanagh LICENCE NUMBER:

SUBMISSION DATE: DAY 21 MO 03 YR 84

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 020584

DATE OF INSPECTION: INSPECTOR:

REMARKS:

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

11

1519106

MUNICIPALITY 15004 CON. A

COUNTY OR DISTRICT: Ottawa-Carleton
 TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Rideau-North Gower
 CON. BLOCK, TRACT, SURVEY, ETC: Conc. A
 LOT: 002
 DATE COMPLETED: DAY 11 MO 06 YR 84
 ADDRESS: 1193; Manotick, Ontario. KOA 2N0
 NG 07899 RC 4 ELEVATION 0320 RC 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-------------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| Brown | Clay | | Packed | 0 | 9 |
| Brown | Clay | Boulders | Packed | 9 | 16 |
| Gray | Clay | Boulders & gravel | Packed | 16 | 19 |
| Gray | Limestone | | Medium | 19 | 100 |

31 000960579 00166051379 00192051311 010021578
 32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|--|-----------------------|--------------|-------|
| | | | FROM | TO |
| 5 1/4 06 | 1 <input checked="" type="checkbox"/> STEEL 2 <input checked="" type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | 188 | 0 | 0022 |
| 06 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE | | 22 | 0100 |
| 24-25 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | | 27-30 |

SCREEN

| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET |
|-------------------------------|-----------------|-------------|
| | | |

MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: 41-44 FEET

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|---|
| 10-13 | 14-17 |
| 18-21 | 22-25 |
| 26-29 | 30-33 |

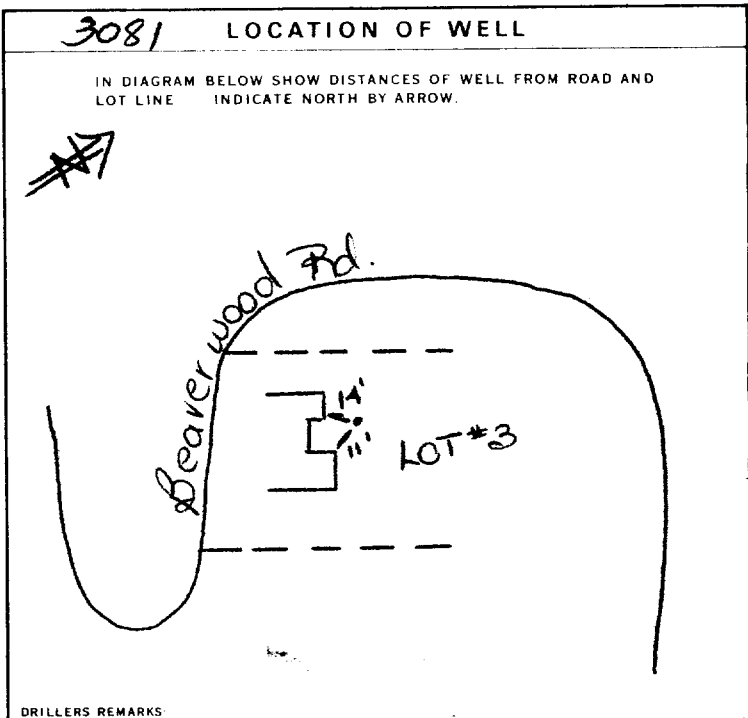
71 PUMPING TEST METHOD

1 PUMP 2 BAILER

PUMPING RATE: 00 10 GPM
 DURATION OF PUMPING: 00 HOURS 30 MINS

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING | | | |
|--------------|----------------------------|---------------------|------------|------------|------------|
| 025 FEET | 060 FEET | 15 MINUTES | 30 MINUTES | 45 MINUTES | 60 MINUTES |
| | | 060 FEET | 060 FEET | | |

RECOMMENDED PUMP TYPE: SHALLOW DEEP
 RECOMMENDED PUMP SETTING: 080 FEET
 RECOMMENDED PUMPING RATE: 0005 GPM



FINAL STATUS OF WELL: 1

WATER USE: 01

METHOD OF DRILLING: 5

CONTRACTOR: Capital Water Supply Ltd. Licence Number: 1558
 Address: Box 490; Stittsville, Ont. KOA 3G0
 Name of Driller or Borer: W. Kavanagh
 Signature of Contractor: [Signature]
 Submission Date: DAY 12 MO 06 YR 84

OFFICE USE ONLY

Data Source: 1
 Contractor: 1558
 Date of Inspection: 07 08 84
 Inspector: _____
 Remarks: _____



Ministry
of the
Environment

Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1519314

1. PRINT ONLY IN SPACES PROVIDED

2. CHECK CORRECT BOX WHERE APPLICABLE

11

MUNICIP. _____ CON. _____

COUNTY OR DISTRICT Carleton Place TOWNSHIP Manotick CON. BLOCK, TRACT, SURVEY, ETC. Manotick Estates LOT 31

OWNER (SURNAME FIRST) Tensen Construction ADDRESS RR#2, Oxford Station K0G1T0 DATE COMPLETED 28 DAY 9 MO. 87 YEAR

| LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) | | | | | |
|--|----------------------|-----------------|---------------------|--------------|----|
| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
| | | | | FROM | TO |
| grey | clay | | | 0 | 18 |
| grey | hardpan | stones | | 18 | 29 |
| grey | limestone | | | 29 | 44 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

31 _____

32 _____

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|---|
| 39 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 15-18 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|-------|
| | | | FROM | TO |
| 6 1/4 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | 1/88 | 0 | 31 |
| 6 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE | | 31 | 44 |
| 24-25 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | | 27-30 |

SCREEN

| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET |
|-------------------------------|-----------------|-------------|
| | | |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|-------------------|-----------------------------------|
| 10-13 | | |
| 18-21 | | |
| 26-29 | | |

71 PUMPING TEST

PUMPING TEST METHOD PUMP BAILER

PUMPING RATE 50 GPM

DURATION OF PUMPING 1 HOURS 0 MINS

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING | | | |
|--------------|----------------------------|---------------------|------------|------------|------------|
| 15 FEET | 30 FEET | 15 MINUTES | 30 MINUTES | 45 MINUTES | 60 MINUTES |
| | | 30 FEET | 30 FEET | 30 FEET | 30 FEET |

IF FLOWING, GIVE RATE _____ GPM

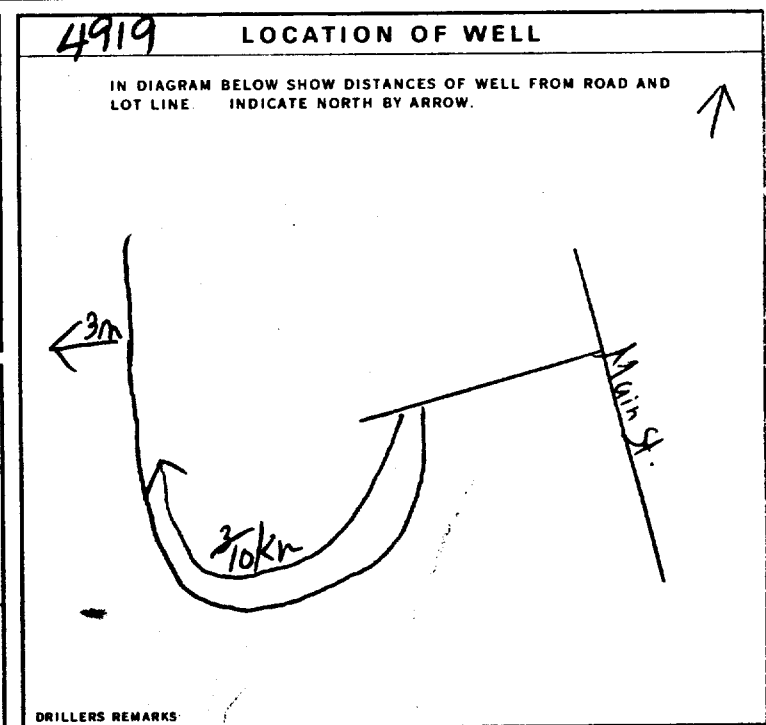
PUMP INTAKE SET AT _____ FEET

WATER AT END OF TEST CLEAR CLOUDY

RECOMMENDED PUMP TYPE SHALLOW DEEP

RECOMMENDED PUMP SETTING 30 FEET

RECOMMENDED PUMPING RATE 10 GPM



54 FINAL STATUS OF WELL

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

55-56 WATER USE

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

57 METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR Henry Mains Well Drilling LICENCE NUMBER 3684

ADDRESS Box 326, Richmond Ont.

NAME OF DRILLER OR BORER [Signature] LICENCE NUMBER _____

SIGNATURE OF CONTRACTOR [Signature] SUBMISSION DATE 29 DAY 9 MO. 87 YEAR

OFFICE USE ONLY

DATA SOURCE _____ CONTRACTOR _____ INSPECTED 25 10 84

DATE OF INSPECTION _____ INSPECTOR _____

REMARKS _____

31649

1519314

MUNICIPALITY: 15004
CON. DISTRICT: CPN
LOT: A

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

COUNTY OR DISTRICT: Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Manotick
CON. BLOCK, TRACT, SURVEY, ETC.: Manotick Estates A
LOT: 31002
OWNER (SURNAME FIRST): Tensen Construction
ADDRESS: RR#2, Oxford Station K0G 1T0
DATE COMPLETED: DAY 28 MO 09 YR 84

ZONE: U 18
EASTING: 445999
NORTHING: 5007899
ELEVATION: 0320
BASIN CODE: 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|----|
| | | | | FROM | TO |
| grey | clay | | | 0 | 18 |
| grey | hardpan | stones | | 18 | 29 |
| grey | limestone | | | 29 | 44 |

31 001820S 000921412 0044215

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|--------------------|----------|-----------------------|--------------|----|
| | | | FROM | TO |
| 9 1/2 | STEEL | 1/8 | 0 | 31 |
| 06 | STEEL | | 31 | 44 |

SCREEN RECORD

| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET |
|-------------------------------|-----------------|-------------|
| | | |

61 PLUGGING & SEALING RECORD

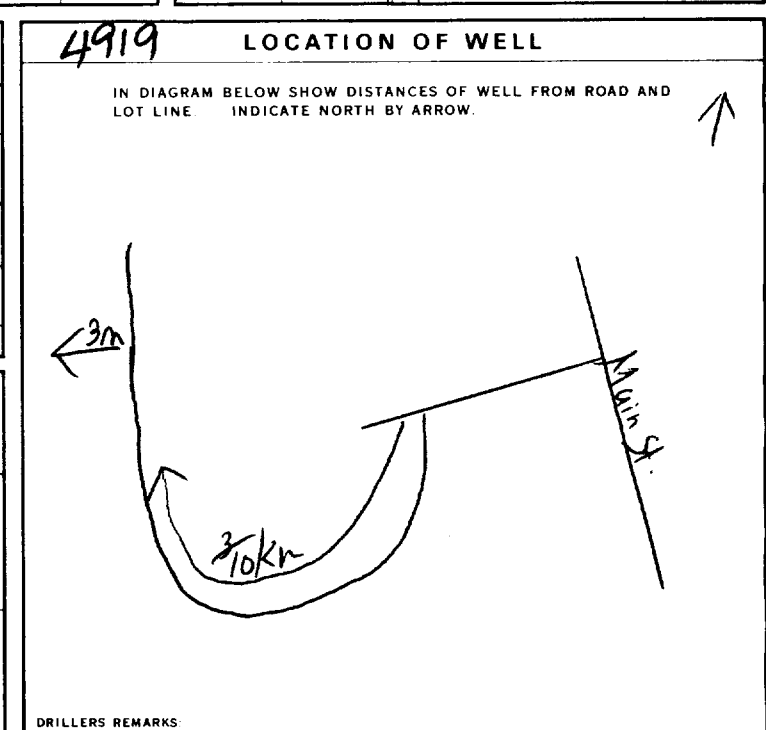
| DEPTH SET AT - FEET | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|---|
| 10-13 | 14-17 |
| 18-21 | 22-25 |
| 26-29 | 30-33 |

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAILER
PUMPING RATE: 0050 GPM
DURATION OF PUMPING: 01:00 HOURS

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING PUMPING | | | | | |
|--------------|----------------------------|-----------------------------|------------|------------|------------|------------|------------|
| 015 | 030 | 15 MINUTES | 30 MINUTES | 45 MINUTES | 60 MINUTES | 75 MINUTES | 90 MINUTES |
| | | 030 | 030 | 030 | 030 | 030 | 030 |

RECOMMENDED PUMP TYPE: SHALLOW DEEP
RECOMMENDED PUMP SETTING: 030 FEET
RECOMMENDED PUMPING RATE: 0010 GPM



FINAL STATUS OF WELL: 1 WATER SUPPLY
WATER USE: 01 DOMESTIC
METHOD OF DRILLING: 5 AIR PERCUSSION

CONTRACTOR: Henry Mains Well Drilling 3644
ADDRESS: Box 326, Richmond Ont.
SIGNATURE OF CONTRACTOR: [Signature]
SUBMISSION DATE: DAY 29 MO 9 YR 84

OFFICE USE ONLY
DATA SOURCE: 1
CONTRACTOR: 3644
RECEIVED: 25 10 84
DATE OF INSPECTION: _____
INSPECTOR: _____
REMARKS: _____

WATER WELL RECORD

1519491

MUNICIPALITY: _____ CON. _____

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

COUNTY OR DISTRICT: Carleton TOWNSHIP: Rideau (Manotick) CITY, TOWN, VILLAGE: Manotick Estates LOT: 3
OWNER (SURNAME FIRST): Tensen Construction ADDRESS: RR#2, Oxford Station K0G1T0 DATE COMPLETED: DAY 8 MO 11 YR 84

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| grey | clay | | | 0 | 18 |
| grey | hardpan | stones | | 18 | 37 |
| grey | limestone | | | 37 | 140 |
| white | sandstone | | | 140 | 165 |

11 _____ 2 _____

11 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|---|
| 145 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 160 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|-----|
| | | | FROM | TO |
| 6 1/2 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | 1/88 | 0 | 39 |
| 6 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE | | 39 | 165 |

SCREEN

| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER | LENGTH |
|-------------------------------|----------|------------------------|
| | INCHES | FEET |
| | | |
| MATERIAL AND TYPE | | DEPTH TO TOP OF SCREEN |
| | | FEET |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|-------|---|
| FROM | TO | |
| 10-13 | 14-17 | |
| 18-21 | 22-25 | |
| 26-29 | 30-33 | |

PUMPING TEST METHOD

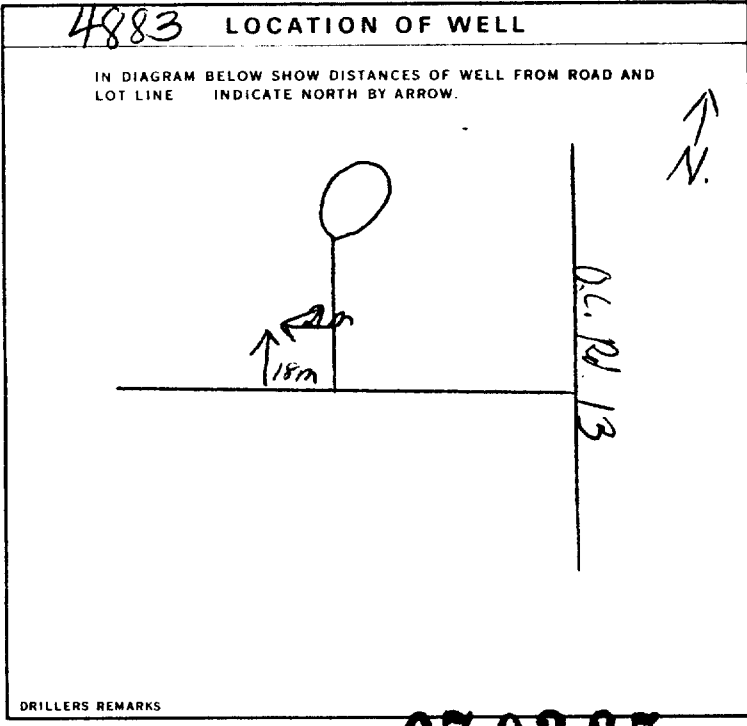
1 PUMP 2 BAITER

PUMPING RATE: 15 GPM DURATION OF PUMPING: 1 HOURS 0 MINS

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING | | | | | |
|--------------|----------------------------|---------------------|------------|------------|------------|------------|------------|
| 10 FEET | 80 FEET | 15 MINUTES | 30 MINUTES | 45 MINUTES | 60 MINUTES | 75 MINUTES | 90 MINUTES |
| | | 80 FEET | 80 FEET | 80 FEET | 80 FEET | 80 FEET | 80 FEET |

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 80 FEET RECOMMENDED PUMPING RATE: 10 GPM



FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF DRILLING

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

NAME OF WELL CONTRACTOR: Henry Mains Well Drilling LICENSE NUMBER: 3644
ADDRESS: Box 326, Richmond, Ont.
NAME OF DRILLER OR BORER: H. Mains LICENSE NUMBER: _____
SIGNATURE OF CONTRACTOR: _____ SUBMISSION DATE: DAY 10 MO 11 YR 84

OFFICE USE ONLY

DATE OF INSPECTION: _____ INSPECTOR: _____
REMARKS: _____

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

11 1519491 15004 CON A

Form header with fields for County (Carleton), Township (Rideau), Owner (Tensen Construction), and various identification numbers.

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

Table with columns: GENERAL COLOUR, MOST COMMON MATERIAL, OTHER MATERIALS, GENERAL DESCRIPTION, DEPTH - FEET (FROM, TO). Contains handwritten entries for clay, hardpan stones, limestone, and sandstone.

Form section with fields 31 and 32, containing handwritten numbers like 0018205 and 003721405.

41 WATER RECORD: Table with columns for Water Found At (feet) and Kind of Water (Fresh, Salty, Sulphur, Mineral).

51 CASING & OPEN HOLE RECORD: Table with columns for Inside Diam (inches), Material, Wall Thickness (inches), and Depth (feet).

SCREEN: Table with columns for Size of Opening (slot no.), Diameter (inches), Length (feet), and Material and Type.

61 PLUGGING & SEALING RECORD: Table with columns for Depth Set At (feet) and Material and Type.

71 PUMPING TEST: Form with sections for Pumping Test Method, Pumping Rate, Duration of Pumping, and Water Levels During.

4883 LOCATION OF WELL: Diagram showing well location relative to road and lot line, with handwritten measurements and a north arrow.

Final Status of Well, Water Use, and Method of Drilling sections with checkboxes for various well types and drilling methods.

CONTRACTOR: Form with fields for Name of Well Contractor (Henry Mains Well Drilling), Address, and Signature.

OFFICE USE ONLY: Form with fields for Data Source, Date of Inspection, Inspector, and Remarks.

Follow the **[COVID-19 restrictions and public health measures \(https://covid-19.ontario.ca/public-health-measures\)](https://covid-19.ontario.ca/public-health-measures)** and **[book your appointment to get vaccinated \(https://covid-19.ontario.ca/book-vaccine/\)](https://covid-19.ontario.ca/book-vaccine/)**.



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puits)
FR (/FR/PAGE/REGISTRE-DE-
PUITS)

Menu

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue \(https://data.ontario.ca/dataset/well-records\)](https://data.ontario.ca/dataset/well-records).

[Go Back to Map \(\)](#)

Well ID

Well ID Number: 1512038

Well Audit Number:

Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location

| | |
|---|---|
| Township | NORTH GOWER TOWNSHIP |
| Lot | 002 |
| Concession | CON A |
| County/District/Municipality | OTTAWA-CARLETON |
| City/Town/Village | |
| Province | ON |
| Postal Code | n/a |
| UTM Coordinates | NAD83 — Zone 18 Easting: 445850.80 Northing: 5008002.00 |
| Municipal Plan and Sublot Number | |
| Other | |

Overburden and Bedrock Materials Interval

| General Colour | Most Common Material | Other Materials | General Description | Depth From | Depth To |
|----------------|----------------------|-----------------|---------------------|------------|----------|
| BRWN | HPAN | GRVL | BLDR | 0 ft | 48 ft |
| GREY | LMSN | | | 48 ft | 156 ft |

Annular Space/Abandonment Sealing Record

| Depth From | Depth To | Type of Sealant Used (Material and Type) | Volume Placed |
|------------|----------|--|---------------|
|------------|----------|--|---------------|

Method of Construction & Well Use

Method of Construction Well Use

Air Percussion

Domestic

Status of Well

Water Supply

Construction Record - Casing

| Inside Diameter | Open Hole or material | Depth From | Depth To |
|-----------------|-----------------------|------------|----------|
| 6 inch | STEEL | | 52 ft |
| 6 inch | OPEN HOLE | | 156 ft |

Construction Record - Screen

| Outside Diameter | Material | Depth From | Depth To |
|------------------|----------|------------|----------|
| | | | |

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1558

Results of Well Yield Testing

After test of well yield, water was CLEAR

If pumping discontinued, give reason**Pump intake set at**

| | |
|---------------------|--------|
| Pumping Rate | 10 GPM |
|---------------------|--------|

| | |
|----------------------------|---------|
| Duration of Pumping | 1 h:0 m |
|----------------------------|---------|

| | |
|--------------------------|-------|
| Final water level | 80 ft |
|--------------------------|-------|

If flowing give rate

| | |
|-------------------------------|-------|
| Recommended pump depth | 90 ft |
|-------------------------------|-------|

| | |
|------------------------------|-------|
| Recommended pump rate | 5 GPM |
|------------------------------|-------|

| | |
|------------------------|------|
| Well Production | PUMP |
|------------------------|------|

Disinfected?

Draw Down & Recovery

| Draw Down Time(min) | Draw Down Water level | Recovery Time(min) | Recovery Water level |
|----------------------------|------------------------------|---------------------------|-----------------------------|
| SWL | 50 ft | | |
| 1 | | 1 | |
| 2 | | 2 | |
| 3 | | 3 | |
| 4 | | 4 | |
| 5 | | 5 | |
| 10 | | 10 | |
| 15 | 80 ft | 15 | |
| 20 | | 20 | |

| | | |
|----|-------|----|
| 25 | | 25 |
| 30 | 80 ft | 30 |
| 40 | | 40 |
| 45 | 80 ft | 45 |
| 50 | | 50 |
| 60 | 80 ft | 60 |

Water Details

| Water Found at Depth | Kind |
|----------------------|-------|
| 155 ft | Fresh |

Hole Diameter

| Depth From | Depth To | Diameter |
|------------|----------|----------|
| | | |

Audit Number:

Date Well Completed: August 18, 1972

Date Well Record Received by MOE: October 04, 1972

Related

[How to use a Ministry of the Environment map \(/page/how-use-ministry-environment-map#wells\)](/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (<https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77>)

Updated: October 18, 2021

Published: March 20, 2014

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Menu

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue \(https://data.ontario.ca/dataset/well-records\)](https://data.ontario.ca/dataset/well-records).

[Go Back to Map \(\)](#)

Well ID

Well ID Number: 7355047

Well Audit Number: C39106

Well Tag Number: A233209

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location

Township

NORTH GOWER TOWNSHIP

Lot**Concession****County/District/Municipality**

OTTAWA-CARLETON

City/Town/Village**Province**

ON

Postal Code

n/a

UTM Coordinates

NAD83 — Zone 18

Easting: 446225.00

Northing: 5008240.00

Municipal Plan and Sublot Number**Other**

Overburden and Bedrock Materials Interval

| General Colour | Most Common Material | Other Materials | General Description | Depth From | Depth To |
|----------------|----------------------|-----------------|---------------------|------------|----------|
|----------------|----------------------|-----------------|---------------------|------------|----------|

Annular Space/Abandonment Sealing Record

| Depth From | Depth To | Type of Sealant Used (Material and Type) | Volume Placed |
|------------|----------|--|---------------|
|------------|----------|--|---------------|

Method of Construction & Well Use

| Method of Construction | Well Use |
|------------------------|----------|
|------------------------|----------|

Status of Well

Construction Record - Casing

| Inside Diameter | Open Hole or material | Depth From | Depth To |
|--------------------|-----------------------|---------------|-------------|
|--------------------|-----------------------|---------------|-------------|

Construction Record - Screen

| Outside Diameter | Material | Depth From | Depth To |
|---------------------|----------|---------------|-------------|
|---------------------|----------|---------------|-------------|

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7543

Results of Well Yield Testing

After test of well yield, water was

If pumping discontinued, give reason

Pump intake set at

Pumping Rate

Duration of Pumping

Final water level

If flowing give rate

Recommended pump depth

Recommended pump rate

Well Production

Disinfected?

Draw Down & Recovery

| Draw Down Time(min) | Draw Down Water level | Recovery Time(min) | Recovery Water level |
|----------------------------|------------------------------|---------------------------|-----------------------------|
| SWL | | | |
| 1 | | 1 | |
| 2 | | 2 | |
| 3 | | 3 | |
| 4 | | 4 | |
| 5 | | 5 | |
| 10 | | 10 | |
| 15 | | 15 | |
| 20 | | 20 | |
| 25 | | 25 | |
| 30 | | 30 | |

40

40

45

45

50

50

60

60

Water Details

| Water Found at Depth | Kind |
|----------------------|------|
| | |
| | |
| | |

Hole Diameter

| Depth From | Depth To | Diameter |
|------------|----------|----------|
| | | |
| | | |
| | | |

Audit Number: C39106

Date Well Completed: November 01, 2017

Date Well Record Received by MOE: November 17, 2017

Related

[How to use a Ministry of the Environment map \(/page/how-use-ministry-environment-map#wells\)](/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (<https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77>)

Updated: October 18, 2021

Published: March 20, 2014

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Français (/fr/page/registre-de-puits)
FR (/FR/PAGE/REGISTRE-DE-PUITS)

Menu

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue \(https://data.ontario.ca/dataset/well-records\)](https://data.ontario.ca/dataset/well-records).

[Go Back to Map \(\)](#)

Well ID

Well ID Number: 7373237

Well Audit Number: Z340904

Well Tag Number: A267575

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location

Township

NORTH GOWER TOWNSHIP

Lot**Concession****County/District/Municipality**

OTTAWA-CARLETON

City/Town/Village**Province**

ON

Postal Code

n/a

UTM Coordinates

NAD83 — Zone 18

Easting: 446152.00

Northing: 5007860.00

Municipal Plan and Sublot Number**Other**

Overburden and Bedrock Materials Interval

| General Colour | Most Common Material | Other Materials | General Description | Depth From | Depth To |
|----------------|----------------------|-----------------|---------------------|------------|----------|
|----------------|----------------------|-----------------|---------------------|------------|----------|

Annular Space/Abandonment Sealing Record

| Depth From | Depth To | Type of Sealant Used (Material and Type) | Volume Placed |
|------------|----------|--|---------------|
|------------|----------|--|---------------|

Method of Construction & Well Use

| Method of Construction | Well Use |
|------------------------|----------|
|------------------------|----------|

Status of Well

Construction Record - Casing

| Inside Diameter | Open Hole or material | Depth From | Depth To |
|-----------------|-----------------------|------------|----------|
|-----------------|-----------------------|------------|----------|

Construction Record - Screen

| Outside Diameter | Material | Depth From | Depth To |
|------------------|----------|------------|----------|
|------------------|----------|------------|----------|

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

Results of Well Yield Testing

After test of well yield, water was

If pumping discontinued, give reason

Pump intake set at

Pumping Rate**Duration of Pumping****Final water level****If flowing give rate****Recommended pump depth****Recommended pump rate****Well Production****Disinfected?****Draw Down & Recovery**

| Draw Down Time(min) | Draw Down Water level | Recovery Time(min) | Recovery Water level |
|----------------------------|------------------------------|---------------------------|-----------------------------|
| SWL | | | |
| 1 | | 1 | |
| 2 | | 2 | |
| 3 | | 3 | |
| 4 | | 4 | |
| 5 | | 5 | |
| 10 | | 10 | |
| 15 | | 15 | |
| 20 | | 20 | |
| 25 | | 25 | |
| 30 | | 30 | |

40

40

45

45

50

50

60

60

Water Details

Water Found at Depth Kind

Hole Diameter

**Depth Depth Diameter
From To**

Audit Number: Z340904

Date Well Completed: July 08, 2019

Date Well Record Received by MOE: November 23, 2020

Related

[How to use a Ministry of the Environment map \(/page/how-use-ministry-environment-map#wells\)](/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (<https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77>)

Updated: October 18, 2021

Published: March 20, 2014

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Measurements recorded in: Metric Imperial

A108238

Well Owner's Information

First Name: 1441624 Last Name / Organization: Ontario Inc E-mail Address: Well Constructed by Well Owner
 Mailing Address (Street Number/Name): 5562 Manotick Main Street Municipality: Manotick Province: Ontario Postal Code: K4M1A6 Telephone No. (inc. area code):

Well Location

Address of Well Location (Street Number/Name): 5562 Manotick Main Street Township: North Gower Lot: Pt 62 Concession: A
 County/District/Municipality: Ottawa Carleton City/Town/Village: Manotick Province: Ontario Postal Code:
 UTM Coordinates Zone: 18 Easting: 446348 Northing: 5008057 Municipal Plan and Sublot Number: N Gower Plan 18 Other:

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

| General Colour | Most Common Material | Other Materials | General Description | Depth (m/ft) From | Depth (m/ft) To |
|--------------------|----------------------|-----------------|------------------------------|-------------------|-----------------|
| grey | | | Fill; crushed sand & gravel | 0 | 0.79 |
| brown | | | silty clay | 0.79 | 2.13 |
| brown | | | silty clay, some sand | 2.13 | 2.59 |
| brown | | | silty sand, gravel & cobbles | 2.59 | 4.07 |
| BH 11-2 was tagged | | | | | |

| Annular Space | | | Volume Placed (m ³ /ft ³) |
|--------------------------|------------------------|--|--|
| Depth Set at (m/ft) From | Depth Set at (m/ft) To | Type of Sealant Used (Material and Type) | |
| 0 | 0.25 | Filter sand | |
| 0.25 | 1.20 | hole plug | 1 bag |
| 1.20 | 3.85 | Filter sand | 1 bag |
| 3.85 | 4.07 | hole plug | 1/2 bag |

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

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

| Construction Record - Casing | | | | Status of Well | |
|------------------------------|--|------------------------|--------------|----------------|---|
| Inside Diameter (cm/in) | Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel) | Wall Thickness (cm/in) | Depth (m/ft) | | <input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify |
| | | | From | To | |
| 5.2 | plastic | 0.4 | 0 | 1.5 | |

| Construction Record - Screen | | | | Status of Well | |
|------------------------------|---------------------------------------|----------|--------------|----------------|--|
| Outside Diameter (cm/in) | Material (Plastic, Galvanized, Steel) | Slot No. | Depth (m/ft) | | |
| | | | From | To | |
| 6.0 | plastic | 10 | 1.5 | 3.6 | |

| Water Details | | Hole Diameter | |
|-----------------------------------|--|----------------------|----------|
| Water found at Depth (m/ft): 1.45 | Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify | Depth (m/ft) From: 0 | To: 4.07 |
| Water found at Depth (m/ft): | Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify | Diameter (cm/in): | 22 |
| Water found at Depth (m/ft): | Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify | | |

Well Contractor and Well Technician Information

Business Name of Well Contractor: OGS Inc Well Contractor's Licence No.: 6964
 Business Address (Street Number/Name): 5518 Appleton Side Road Municipality: Almonte
 Province: Ontario Postal Code: K0A1A0 Business E-mail Address: ogsinc@bell.net.ca
 Bus. Telephone No. (inc. area code): 613-256-7666 Name of Well Technician (Last Name, First Name): Ohlmann Brian
 Well Technician's Licence No.: 2593 Signature of Technician and/or Contractor: Ben Ohlmann Date Submitted: 20110629

Map of Well Location

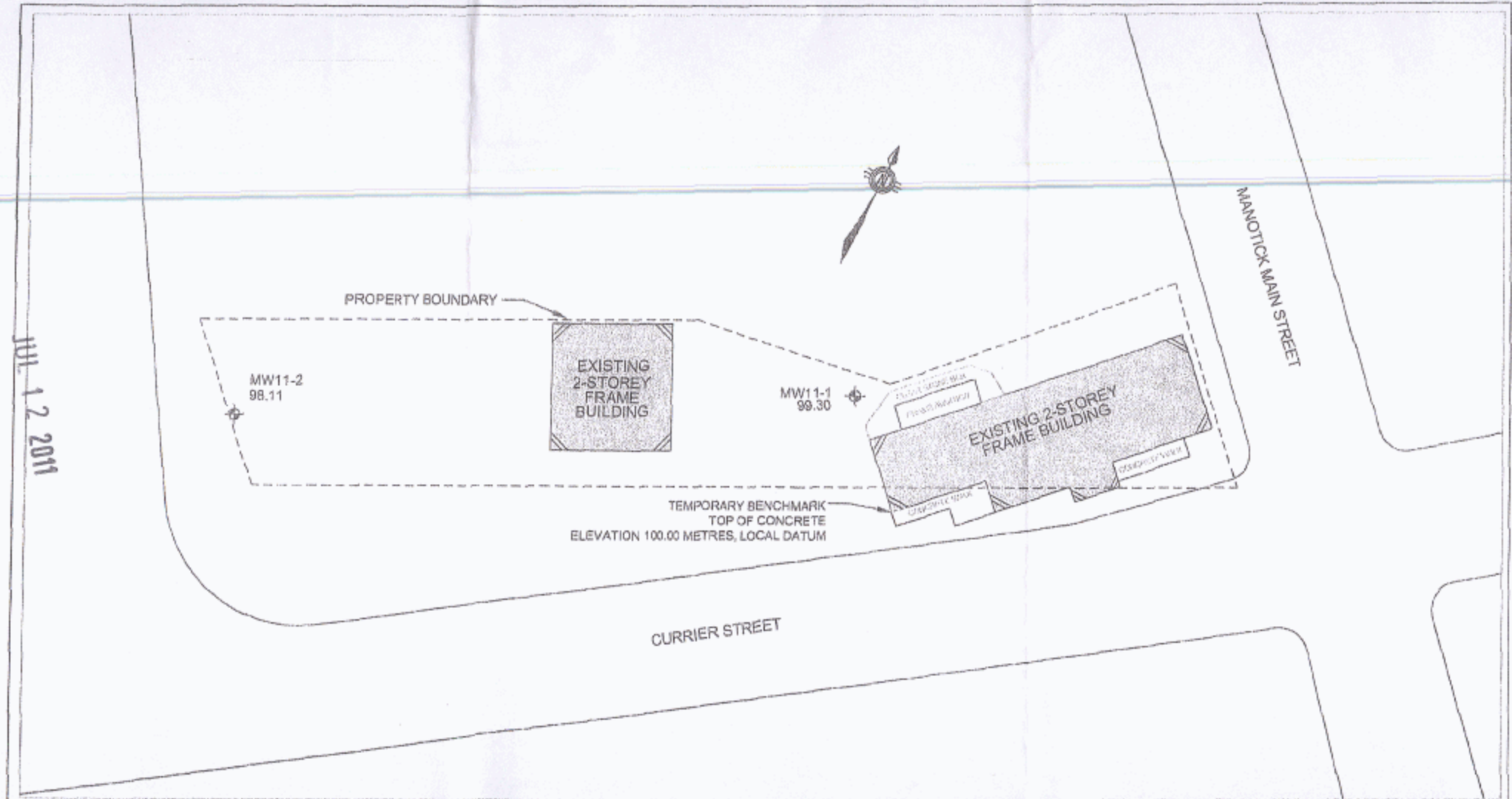
Please provide a map below following instructions on the back.

Site plan and area map are enclosed


Comments:

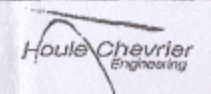
| | | |
|---|---|--|
| Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No | Date Package Delivered: Y Y Y Y M M D D | Ministry Use Only Audit No.: z127823 Received: JUL 12 2011 |
| | Date Work Completed: 20110414 | |

C469164
 2127823
 0074124




LEGEND

-  MW11-1 APPROXIMATE MONITORING WELL LOCATION IN PLAN, CURRENT INVESTIGATION BY HOULE CHEVRIER ENGINEERING LTD.
- 98.11 ELEVATION AT GROUND SURFACE, MEASURED IN METRES.

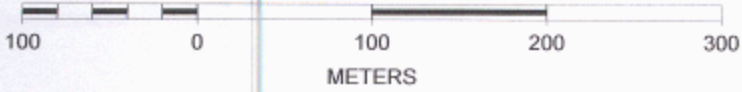
| | | | | | |
|---|--|--|--|-----------------------|--|
| Client 1441824 ONTARIO INC. | | Location 5562 MANOTICK MAIN STREET OTTAWA, ON. | | Revision 0 | |
| Drawn by M.J.L. | | Approved by A.F.C. | | Project No. 11-085 | |
|  | | Title SITE PLAN | | | |
| | | Date MAY 2011 | | FIGURE 2 | |

Ottawa

- Roads
- Transportation
- Property
-  Property Parcels
- Surface Water
- Boundaries



SCALE 1 : 4,537



C-6964
2127823
C07424

JUL 12 2011

Measurements recorded in: Metric Imperial

A241619 BH 2

Page 1 of 1

Well Owner's Information

First Name: _____ Last Name / Organization: _____ E-mail Address: _____ Well Constructed by Well Owner

Mailing Address (Street Number/Name): _____ Municipality: _____ Province: _____ Postal Code: _____ Telephone No. (inc. area code): _____

Well Location

Address of Well Location (Street Number/Name): 5530 Main St. Township: _____ Lot: _____ Concession: _____

County/District/Municipality: Ottawa City/Town/Village: Manotick Province: **Ontario** Postal Code: _____

UTM Coordinates Zone: _____ Easting: 187446208 Northing: 5008252 Municipal Plan and Sublot Number: _____ Other: _____

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

| General Colour | Most Common Material | Other Materials | General Description | Depth (m/ft) From | Depth (m/ft) To |
|----------------|----------------------|-----------------|---------------------|-------------------|-----------------|
| black | topsoil | | | 0" | 6" |
| brown | clay | fine sand | dense | 6" | 8' |
| grey | limestone | | Belarus, Herd | 8' | 17'3" |

| Annular Space | | |
|--------------------------|-------|--|
| Depth Set at (m/ft) From | To | Type of Sealant Used (Material and Type) |
| 3" | 6'3" | Bentonite 3/8 days |
| 6'3" | 17'3" | Silica Sand #3 |
| 0" | 3" | Flushmount (flushed into bentonite topped with topsoil & sod.) |

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

| Construction Record - Casing | | | | Status of Well | |
|------------------------------|--|------------------------|--------------|----------------|--|
| Inside Diameter (cm/in) | Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel) | Wall Thickness (cm/in) | Depth (m/ft) | | <input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____ |
| | | | From | To | |
| 1.25" | Plastic | 0.140" | 3" | 7'3" | |

| Construction Record - Screen | | | | |
|------------------------------|---------------------------------------|----------|--------------|-------|
| Outside Diameter (cm/in) | Material (Plastic, Galvanized, Steel) | Slot No. | Depth (m/ft) | |
| | | | From | To |
| 1.66" | Plastic | 3 | 7'3" | 17'3" |

| Water Details | | Hole Diameter | |
|--|--|-------------------|-------|
| Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____ | Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested | Depth (m/ft) From | To |
| Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____ | Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested | 0' | 8' |
| Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____ | Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested | 8' | 17'3" |

Well Contractor and Well Technician Information

Business Name of Well Contractor: Accdrilling Well Contractor's Licence No.: 7543

Business Address (Street Number/Name): 48-2627 Edinburgh Place Municipality: Ottawa

Province: ON Postal Code: K1B5M1 Business E-mail Address: muelb@accdrilling.com

Bus. Telephone No. (inc. area code): 6137375227 Name of Well Technician (Last Name, First Name): Charles

Well Technician's Licence No.: 3299 Signature of Technician and/or Contractor: [Signature] Date Submitted: 201804104

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

Map of Well Location

Please provide a map below following instructions on the back.

Comments:

Well owner's information package delivered: Yes No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: Y Y Y Y M M D D

Ministry Use Only

Audit No.: 2279436

Received: MAY 25 2018

Measurements recorded in: Metric Imperial

| | | | | |
|---|------------|-------------------------------|---------------------|---|
| Address of Well Location (Street Number/Name) 1205 Beaverwood RD | | Township Ottawa | Lot N/A | Concession N/A |
| County/District/Municipality Ottawa | | City/Town/Village Manotick | Province Ontario | Postal Code K4M 1G7 |
| UTM Coordinates NAD 83 | Zone 18 | Easting 1044582450 | Northing 08115 | Municipal Plan and Sublot Number N/A |

| Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) | | | | |
|---|------------------------|-----------------|---------------------|-------------------------|
| General Colour | Most Common Material | Other Materials | General Description | Depth (m/ft) From To |
| | raise well casing | | in accordance | |
| | with regulation | | 903 | |
| | * well was sanitized * | | | |

| Annular Space | | |
|--------------------------------|---|---------------------------|
| Depth Set at (m/ft) From To | Type of Sealant Used (Material and Type) | Volume Placed (m³/ft³) |
| | N/A | |

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

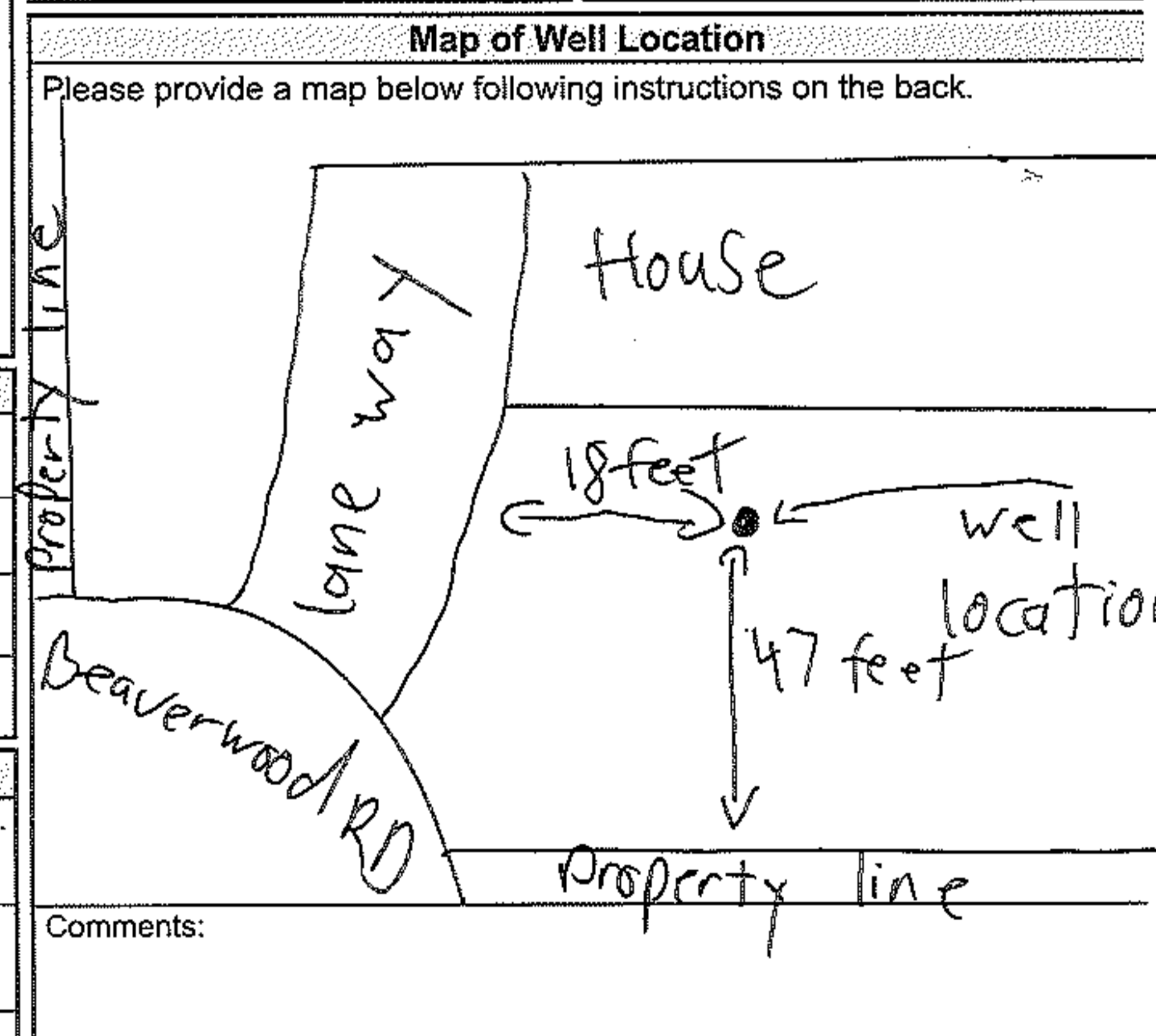
| Method of Construction | | Well Use | | |
|--|----------------------------------|---|---|-------------------------------------|
| <input type="checkbox"/> Cable Tool | <input type="checkbox"/> Diamond | <input type="checkbox"/> Public | <input type="checkbox"/> Commercial | <input type="checkbox"/>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

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

| Construction Record - Screen | | |
|------------------------------|---------------------------------------|-------------------------|
| Outside Diameter (cm/in) | Material (Plastic, Galvanized, Steel) | Depth (m/ft) From To |
| | N/A | |

| Water Details | | Hole Diameter | |
|--|--|-------------------------|------------------|
| Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____ | Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested | Depth (m/ft) From To | Diameter (cm/in) |
| Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____ | Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested | 6" 6" | |
| Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____ | Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested | | |

| Well Contractor and Well Technician Information | |
|--|--|
| Business Name of Well Contractor C&N electric & Plumbing | Well Contractor's Licence No. 6364 |
| Business Address (Street Number/Name) 5640 Manotick main St | Municipality Manotick |
| Province ONT | Postal Code K4M 1G7 |
| Business E-mail Address @nrmplng@ca-electric.ca | |
| Bus. Telephone No. (inc. area code) 613 692 3284 | Name of Well Technician (Last Name, First Name) Sadler Johnston |
| Well Technician's Licence No. 3689 | Signature of Technician and/or Contractor <i>[Signature]</i> |
| | Date Submitted 20190904 |



| Well owner's information package delivered | | Ministry Use Only | |
|--|------------------------------------|-------------------|-------------|
| <input checked="" type="checkbox"/> Yes | Date Package Delivered 20190904 | Audit No. | 2319376 |
| <input type="checkbox"/> No | Date Work Completed 20190904 | Received | SEP 09 2019 |

Measurements recorded in: Metric Imperial

Tag#: A252081

| | | | | |
|---|------------|-------------------------------|---------------------|---|
| Address of Well Location (Street Number/Name) 5493 South Island Park Drive | | Township Ottawa | Lot N/A | Concession N/A |
| County/District/Municipality Ottawa | | City/Town/Village Manotick | Province Ontario | Postal Code K4M1J2 |
| UTM Coordinates NAD 83 | Zone 18 | Easting 0445824 | Northing 5008115 | Municipal Plan and Sublot Number N/A |
| Other N/A | | | | |

| Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) | | | | |
|---|--|-----------------|---------------------|-------------------------|
| General Colour | Most Common Material | Other Materials | General Description | Depth (m/ft) From To |
| | raised well casing above grade in accordance with regulation 903 | | | |

| Annular Space | | |
|--------------------------------|---|---|
| Depth Set at (m/ft) From To | Type of Sealant Used (Material and Type) | Volume Placed (m ³ /ft ³) |
| | N/A | |

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

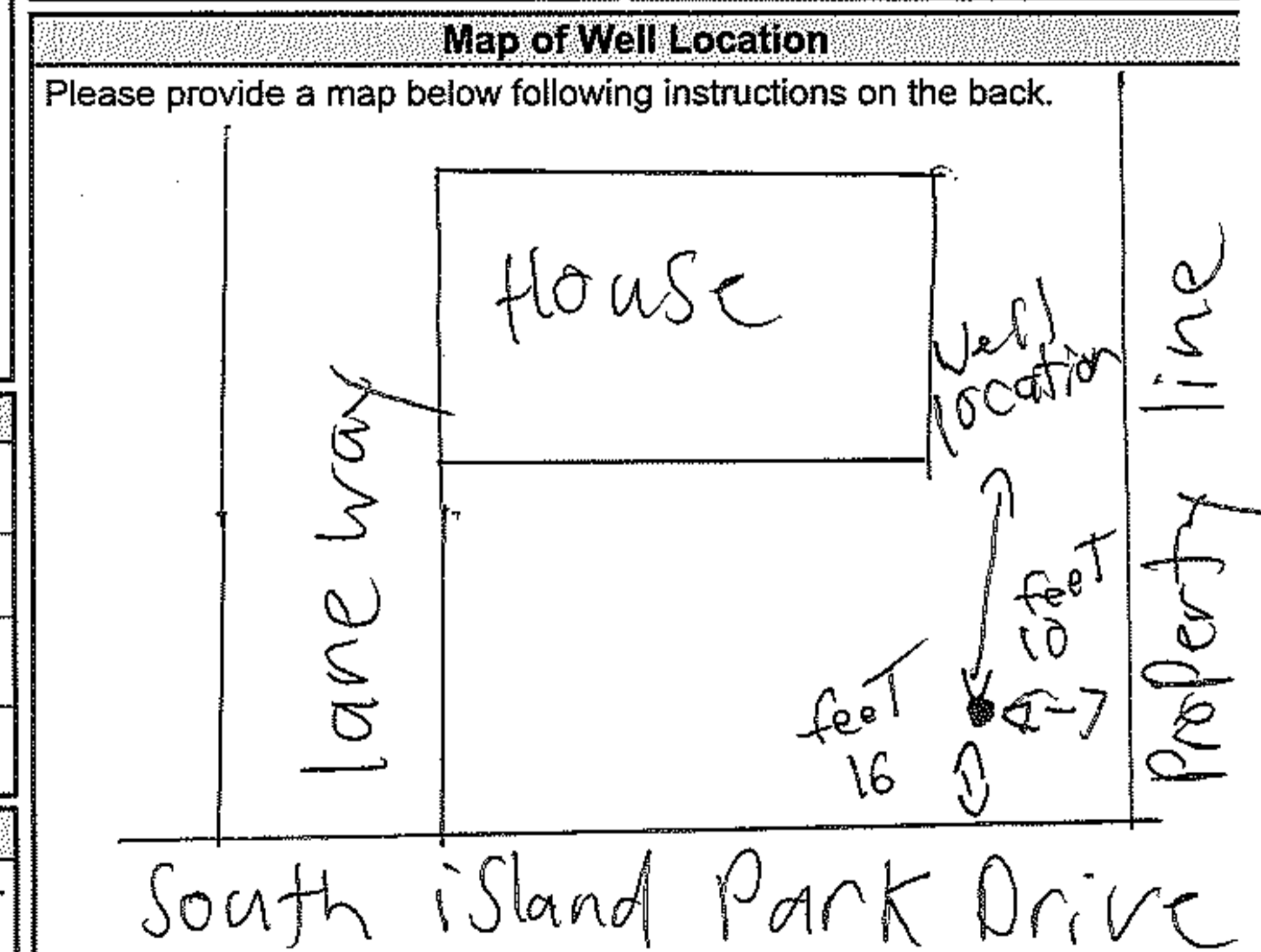
| Method of Construction | | Well Use | | |
|--|----------------------------------|---|--|-------------------------------------|
| <input type="checkbox"/> Cable Tool | <input type="checkbox"/> Diamond | <input type="checkbox"/> Public | <input type="checkbox"/> Commercial | <input type="checkbox"/>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

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

| Construction Record - Screen | | | | Status of Well | |
|------------------------------|---------------------------------------|----------|--------------|----------------|---|
| Outside Diameter (cm/in) | Material (Plastic, Galvanized, Steel) | Slot No. | Depth (m/ft) | | <input type="checkbox"/> Other, specify _____ |
| | | | From | To | |
| | N/A | | | | |

| Water Details | | Hole Diameter | |
|--|--|----------------------|------------------|
| Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____ | Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested | Depth (m/ft) From To | Diameter (cm/in) |
| Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____ | Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested | 6" 6" | |
| Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____ | Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested | | |

| Well Contractor and Well Technician Information | | | |
|--|--|--|----------------------------|
| Business Name of Well Contractor CN electric & Plumbing | | Well Contractor's Licence No. 6131619 | |
| Business Address (Street Number/Name) 5640 Manotick main st | | Municipality Manotick | |
| Province ONT | Postal Code K4M1J2 | Business E-mail Address Plumbing@cn-electric.ca | |
| Bus. Telephone No. (inc. area code) 61316923284 | Name of Well Technician (Last Name, First Name) Sadler Johnston | | |
| Well Technician's Licence No. 31619 | Signature of Technician and/or Contractor <i>[Signature]</i> | | Date Submitted 20190909 |



| | | | |
|-----------|--|------------------------------------|--|
| Comments: | Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Date Package Delivered 20190909 | Ministry Use Only Audit No. 2292190 SEP 09 2019 Received |
| | Date Work Completed 20190909 | | |

Office Use Only

Application Number: _____ Ward Number: _____ Application Received: (dd/mm/yyyy): _____
Client Service Centre Staff: _____ Fee Received: \$ _____



Historic Land Use Inventory

Application Form

Notice of Public Record

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning Infrastructure and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

Background Information

*Site Address or Location: 1185 Beaverwood ~~Street~~ Road, Manotick (Ottawa), ON

* Mandatory Field

Applicant/Agent Information:

Name: Paterson Group Inc
Mailing Address: 154 Colonnade Rd S, Nepean, ON K2E 7J5
Telephone: 613-226-7381 Email Address: jandrechek@patersongroup.ca

Registered Property Owner Information:

Same as above

Name: Ark Construction Ltd.
Mailing Address: _____
Telephone: _____ Email Address: _____

Site Details

Legal Description and PIN:

Part of Lot 2, Concession A, front Broken, Township of North Gower, City of Ottawa, ON.

What is the land currently used for?

Residential

Lot frontage: [] m Lot depth: [] m Lot area: [] m²

OR Lot area: (irregular lot) 2353.42 m² (0.24 ha)

Does the site have Full Municipal Services: Yes No

Required Fees

Please don't hesitate to visit the Historic Land Use Inventory website more information. Fees must be paid in full at the time of application submission.

Planning Fee

\$128.00

Submittal Requirements

The following are required to be submitted with this application:

- 1. Consent to Disclose Information: Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner. This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.
2. Disclaimer: Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Infrastructure and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.
3. A site plan or key plan of the property, its location and particular features.
4. Any significant dates or time frames that you would like researched.

Disclaimer
For use with HLUI Database

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to Paterson Group ("the Requester") does so only under the following conditions and understanding:

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.
2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.
3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.
4. Copyright is reserved to the City.
5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.
6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.
7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: 

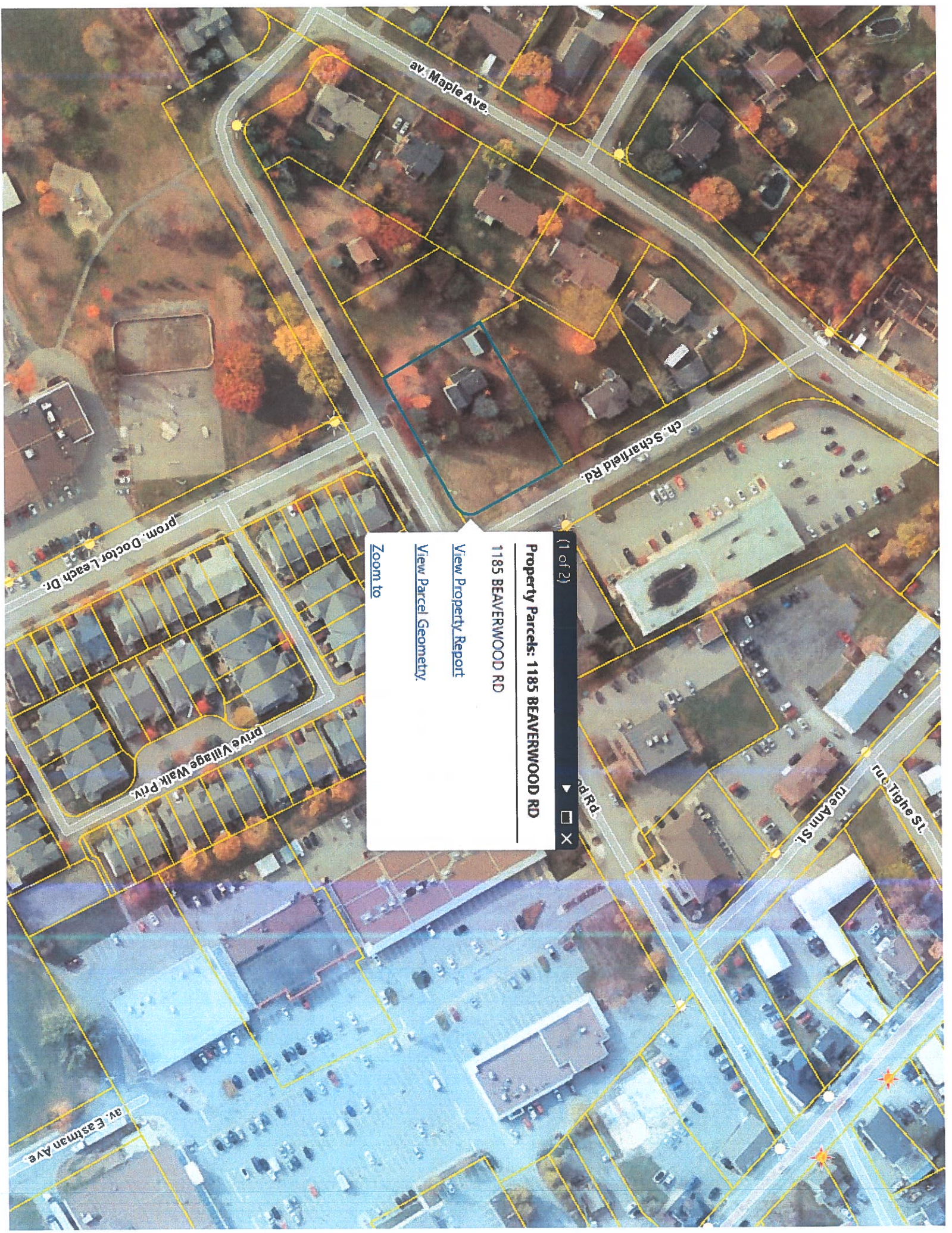
Dated (dd/mm/yyyy): 14-FEB-2022

Per: Jesse Andrechek

(Please print name)

Title: Environmental Consultant

Company: Paterson Group Inc



(1 of 2)

Property Parcels: 1185 BEAVERWOOD RD

1185 BEAVERWOOD RD

[View Property Report](#)

[View Parcel Geometry](#)

Zoom to

154 Colonnade Road South
Ottawa, Ontario
Canada, K2E 7J5
Tel: (613) 226-7381
Fax: (613) 226-6344

February 14, 2022
File: PE5615-LET.01

City of Ottawa
110 Laurier Avenue W
Ottawa, Ontario
K1P 1J1

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Geological Engineering
Materials Testing
Building Science

Subject: **Authorization Letter, HLUI Search
Phase I-Environmental Site Assessment
1185 Beaverwood Road
Ottawa (Manotick), Ontario**

www.patersongroup.ca

Dear Sir or Madame,

Please consider this letter as confirmation that Paterson Group has been retained to conduct a Phase I-Environmental Site Assessment at the aforementioned property.

With this letter, the property owner authorizes the City of Ottawa and other regulatory bodies to release, to Paterson Group, information requested for the purpose of completing an environmental assessment of the property.

Name of Company/Property Owner:

NIVO DEVELOPMENTS

Name of Representative:

ANTHONY NICOLINI

Authorization of Representative:

Anthony Nicolini

Date:

FEB 15/2022



DATABASE REPORT

Project Property: *PE5615 - 1185 Beaverwood Road
1185 Beaverwood Road
Manotick ON K4M 1L6*

Project No: *PE5615*

Report Type: *Standard Report*

Order No: *22020800656*

Requested by: *Paterson Group Inc.*

Date Completed: *February 11, 2022*

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

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Executive Summary

Property Information:

Project Property: PE5615 - 1185 Beaverwood Road
1185 Beaverwood Road Manotick ON K4M 1L6

Project No: PE5615

Coordinates:

Latitude: 45.223608
Longitude: -75.6868444
UTM Northing: 5,008,020.34
UTM Easting: 446,077.14
UTM Zone: 18T

Elevation: 307 FT
93.52 M

Order Information:

Order No: 22020800656
Date Requested: February 8, 2022
Requested by: Paterson Group Inc.
Report Type: Standard Report

Historical/Products:

Executive Summary: Report Summary

| <i>Database</i> | <i>Name</i> | <i>Searched</i> | <i>Project Property</i> | <i>Within 0.25 km</i> | <i>Total</i> |
|-----------------|--|-----------------|-------------------------|-----------------------|--------------|
| AAGR | <i>Abandoned Aggregate Inventory</i> | Y | 0 | 0 | 0 |
| AGR | <i>Aggregate Inventory</i> | Y | 0 | 0 | 0 |
| AMIS | <i>Abandoned Mine Information System</i> | Y | 0 | 0 | 0 |
| ANDR | <i>Anderson's Waste Disposal Sites</i> | Y | 0 | 0 | 0 |
| AST | <i>Aboveground Storage Tanks</i> | Y | 0 | 0 | 0 |
| AUWR | <i>Automobile Wrecking & Supplies</i> | Y | 0 | 0 | 0 |
| BORE | <i>Borehole</i> | Y | 0 | 2 | 2 |
| CA | <i>Certificates of Approval</i> | Y | 0 | 1 | 1 |
| CDRY | <i>Dry Cleaning Facilities</i> | Y | 0 | 0 | 0 |
| CFOT | <i>Commercial Fuel Oil Tanks</i> | Y | 0 | 0 | 0 |
| CHEM | <i>Chemical Manufacturers and Distributors</i> | Y | 0 | 0 | 0 |
| CHM | <i>Chemical Register</i> | Y | 0 | 0 | 0 |
| CNG | <i>Compressed Natural Gas Stations</i> | Y | 0 | 0 | 0 |
| COAL | <i>Inventory of Coal Gasification Plants and Coal Tar Sites</i> | Y | 0 | 0 | 0 |
| CONV | <i>Compliance and Convictions</i> | Y | 0 | 0 | 0 |
| CPU | <i>Certificates of Property Use</i> | Y | 0 | 0 | 0 |
| DRL | <i>Drill Hole Database</i> | Y | 0 | 0 | 0 |
| DTNK | <i>Delisted Fuel Tanks</i> | Y | 0 | 0 | 0 |
| EASR | <i>Environmental Activity and Sector Registry</i> | Y | 0 | 0 | 0 |
| EBR | <i>Environmental Registry</i> | Y | 0 | 0 | 0 |
| ECA | <i>Environmental Compliance Approval</i> | Y | 0 | 2 | 2 |
| EEM | <i>Environmental Effects Monitoring</i> | Y | 0 | 0 | 0 |
| EHS | <i>ERIS Historical Searches</i> | Y | 0 | 5 | 5 |
| EIIS | <i>Environmental Issues Inventory System</i> | Y | 0 | 0 | 0 |
| EMHE | <i>Emergency Management Historical Event</i> | Y | 0 | 0 | 0 |
| EPAR | <i>Environmental Penalty Annual Report</i> | Y | 0 | 0 | 0 |
| EXP | <i>List of Expired Fuels Safety Facilities</i> | Y | 0 | 0 | 0 |
| FCON | <i>Federal Convictions</i> | Y | 0 | 0 | 0 |
| FCS | <i>Contaminated Sites on Federal Land</i> | Y | 0 | 0 | 0 |
| FOFT | <i>Fisheries & Oceans Fuel Tanks</i> | Y | 0 | 0 | 0 |
| FRST | <i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i> | Y | 0 | 0 | 0 |
| FST | <i>Fuel Storage Tank</i> | Y | 0 | 0 | 0 |
| FSTH | <i>Fuel Storage Tank - Historic</i> | Y | 0 | 0 | 0 |
| GEN | <i>Ontario Regulation 347 Waste Generators Summary</i> | Y | 0 | 26 | 26 |
| GHG | <i>Greenhouse Gas Emissions from Large Facilities</i> | Y | 0 | 0 | 0 |
| HINC | <i>TSSA Historic Incidents</i> | Y | 0 | 1 | 1 |
| IAFT | <i>Indian & Northern Affairs Fuel Tanks</i> | Y | 0 | 0 | 0 |

| Database | Name | Searched | Project Property | Within 0.25 km | Total |
|-----------------|--|-----------------|-------------------------|-----------------------|--------------|
| INC | <i>Fuel Oil Spills and Leaks</i> | Y | 0 | 1 | 1 |
| LIMO | <i>Landfill Inventory Management Ontario</i> | Y | 0 | 0 | 0 |
| MINE | <i>Canadian Mine Locations</i> | Y | 0 | 0 | 0 |
| MNR | <i>Mineral Occurrences</i> | Y | 0 | 0 | 0 |
| NATE | <i>National Analysis of Trends in Emergencies System (NATES)</i> | Y | 0 | 0 | 0 |
| NCPL | <i>Non-Compliance Reports</i> | Y | 0 | 3 | 3 |
| NDFT | <i>National Defense & Canadian Forces Fuel Tanks</i> | Y | 0 | 0 | 0 |
| NDSP | <i>National Defense & Canadian Forces Spills</i> | Y | 0 | 0 | 0 |
| NDWD | <i>National Defence & Canadian Forces Waste Disposal Sites</i> | Y | 0 | 0 | 0 |
| NEBI | <i>National Energy Board Pipeline Incidents</i> | Y | 0 | 0 | 0 |
| NEBP | <i>National Energy Board Wells</i> | Y | 0 | 0 | 0 |
| NEES | <i>National Environmental Emergencies System (NEES)</i> | Y | 0 | 0 | 0 |
| NPCB | <i>National PCB Inventory</i> | Y | 0 | 0 | 0 |
| NPRI | <i>National Pollutant Release Inventory</i> | Y | 0 | 0 | 0 |
| OGWE | <i>Oil and Gas Wells</i> | Y | 0 | 0 | 0 |
| OGW | <i>Ontario Oil and Gas Wells</i> | Y | 0 | 0 | 0 |
| OPCB | <i>Inventory of PCB Storage Sites</i> | Y | 0 | 0 | 0 |
| ORD | <i>Orders</i> | Y | 0 | 0 | 0 |
| PAP | <i>Canadian Pulp and Paper</i> | Y | 0 | 0 | 0 |
| PCFT | <i>Parks Canada Fuel Storage Tanks</i> | Y | 0 | 0 | 0 |
| PES | <i>Pesticide Register</i> | Y | 0 | 13 | 13 |
| PINC | <i>Pipeline Incidents</i> | Y | 0 | 3 | 3 |
| PRT | <i>Private and Retail Fuel Storage Tanks</i> | Y | 0 | 0 | 0 |
| PTTW | <i>Permit to Take Water</i> | Y | 0 | 0 | 0 |
| REC | <i>Ontario Regulation 347 Waste Receivers Summary</i> | Y | 0 | 0 | 0 |
| RSC | <i>Record of Site Condition</i> | Y | 0 | 0 | 0 |
| RST | <i>Retail Fuel Storage Tanks</i> | Y | 0 | 0 | 0 |
| SCT | <i>Scott's Manufacturing Directory</i> | Y | 0 | 8 | 8 |
| SPL | <i>Ontario Spills</i> | Y | 0 | 3 | 3 |
| SRDS | <i>Wastewater Discharger Registration Database</i> | Y | 0 | 0 | 0 |
| TANK | <i>Anderson's Storage Tanks</i> | Y | 0 | 0 | 0 |
| TCFT | <i>Transport Canada Fuel Storage Tanks</i> | Y | 0 | 0 | 0 |
| VAR | <i>Variances for Abandonment of Underground Storage Tanks</i> | Y | 0 | 0 | 0 |
| WDS | <i>Waste Disposal Sites - MOE CA Inventory</i> | Y | 0 | 0 | 0 |
| WDSH | <i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i> | Y | 0 | 0 | 0 |
| WWIS | <i>Water Well Information System</i> | Y | 0 | 35 | 35 |
| Total: | | | 0 | 103 | 103 |

Executive Summary: Site Report Summary - Project Property

| <i>Map Key</i> | <i>DB</i> | <i>Company/Site Name</i> | <i>Address</i> | <i>Dir/Dist (m)</i> | <i>Elev diff (m)</i> | <i>Page Number</i> |
|--------------------|-----------|--------------------------|----------------|---------------------|--------------------------|------------------------|
|--------------------|-----------|--------------------------|----------------|---------------------|--------------------------|------------------------|

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|-------------------|-----------|---|---|---------------------|----------------------|--------------------|
| 1 | CA | TEAMCO HOLDINGS INC. | JOHN ST./DOCTOR LEACH DR.(STP) RIDEAU TWP. ON | S/30.6 | -1.43 | 30 |
| 2 | WWIS | | lot 2 con A ON Well ID: 1517732 | E/52.7 | -3.69 | 30 |
| 3 | WWIS | | lot 2 con A ON Well ID: 1516469 | ENE/76.8 | -4.34 | 34 |
| 4 | GEN | RIDEAU ANIMAL HOSPITAL | 1 ANN ST. MANOTICK ON K0A 2N0 | ENE/83.4 | -4.83 | 37 |
| 4 | GEN | RIDEAU ANIMAL HOSPITAL | 1 ANN ST. MANOTICK ON K0A 2N0 | ENE/83.4 | -4.83 | 37 |
| 4 | GEN | RIDEAU ANIMAL HOSPITAL 33-274 | 1 ANN ST. MANOTICK ON K0A 2N0 | ENE/83.4 | -4.83 | 38 |
| 4 | GEN | RIDEAU ANIMAL (OUT OF BUS.) | 1 ANN ST. MANOTICK ON K0A 2N0 | ENE/83.4 | -4.83 | 38 |
| 4 | GEN | Rideaugreen Veterinary Management Inc. | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE/83.4 | -4.83 | 38 |
| 4 | GEN | Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | ENE/83.4 | -4.83 | 39 |
| 4 | GEN | Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | ENE/83.4 | -4.83 | 39 |
| 4 | GEN | Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | ENE/83.4 | -4.83 | 39 |
| 4 | GEN | Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | ENE/83.4 | -4.83 | 40 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|-------------------|-----------|---|---|---------------------|----------------------|--------------------|
| 4 | GEN | Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE/83.4 | -4.83 | 40 |
| 4 | GEN | Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | ENE/83.4 | -4.83 | 41 |
| 4 | GEN | Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE/83.4 | -4.83 | 41 |
| 4 | GEN | Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE/83.4 | -4.83 | 41 |
| 4 | GEN | Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE/83.4 | -4.83 | 42 |
| 4 | GEN | Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE/83.4 | -4.83 | 42 |
| 4 | GEN | Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE/83.4 | -4.83 | 42 |
| 4 | GEN | Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE/83.4 | -4.83 | 43 |
| 5 | WWIS | | lot 7 con 1 ON Well ID: 1511389 | WSW/88.3 | 0.88 | 43 |
| 6 | BORE | | ON | WSW/88.4 | 0.88 | 46 |
| 7 | WWIS | | lot 2 con A ON Well ID: 1514029 | S/105.5 | -2.33 | 48 |
| 8 | WWIS | | lot 2 con A ON Well ID: 1519106 | NW/111.2 | -0.64 | 51 |
| 8 | WWIS | | lot 2 con A ON | NW/111.2 | -0.64 | 55 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---------------------------|-----------|---|---|---------------------|----------------------|---------------------------|
| | | | Well ID: 1519109 | | | |
| <u>8</u> | WWIS | | lot 2 con A ON | NW/111.2 | -0.64 | <u>58</u> |
| | | | Well ID: 1519314 | | | |
| <u>8</u> | WWIS | | lot 2 con A ON | NW/111.2 | -0.64 | <u>62</u> |
| | | | Well ID: 1519491 | | | |
| <u>9</u> | WWIS | | lot 2 con A ON | SE/112.0 | -3.73 | <u>65</u> |
| | | | Well ID: 1515427 | | | |
| <u>10</u> | WWIS | | lot 2 con A ON | NE/113.6 | -5.73 | <u>68</u> |
| | | | Well ID: 1517078 | | | |
| <u>10</u> | WWIS | | lot 2 con A ON | NE/113.6 | -5.73 | <u>71</u> |
| | | | Well ID: 1517735 | | | |
| <u>10</u> | WWIS | | lot 2 con A ON | NE/113.6 | -5.73 | <u>74</u> |
| | | | Well ID: 1518928 | | | |
| <u>11</u> | PES | GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED | 1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5 | NNE/117.8 | -5.73 | <u>78</u> |
| <u>11</u> | PES | GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED | 1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5 | NNE/117.8 | -5.73 | <u>78</u> |
| <u>11</u> | HINC | | 1168 MAPLE STREET MANOTICK ON | NNE/117.8 | -5.73 | <u>79</u> |
| <u>11</u> | PES | GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED | 1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5 | NNE/117.8 | -5.73 | <u>79</u> |
| <u>11</u> | PES | GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED | 1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5 | NNE/117.8 | -5.73 | <u>80</u> |
| <u>11</u> | PES | GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED | 1168 MAPLE ST, BOX 534 MANOTICK ON K4M1A5 | NNE/117.8 | -5.73 | <u>80</u> |
| <u>12</u> | WWIS | | lot 2 con A ON | NNE/121.4 | -4.64 | <u>80</u> |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------|-----------|--------------------------------|--|---------------------|----------------------|--------------------|
| | | | Well ID: 1510575 | | | |
| 13 | WWIS | | lot 2 con A ON | W/123.3 | 4.44 | 83 |
| | | | Well ID: 1511320 | | | |
| 14 | SCT | BARRHAVEN INDEPENDENT | 1165 JOHN ST MANOTICK ON K4M | ENE/142.5 | -5.73 | 87 |
| 14 | SCT | MANOTICK MESSENGER INC. | 1165 JOHN ST MANOTICK ON K4M 1A5 | ENE/142.5 | -5.73 | 87 |
| 14 | SCT | MANOTICK PRINTING SERVICES | 1165 JOHN ST MANOTICK ON K4M 1A5 | ENE/142.5 | -5.73 | 87 |
| 14 | SCT | IMPLO-TEC RESEARCH CANADA INC. | 1165 John St Manotick ON K4M 1A2 | ENE/142.5 | -5.73 | 87 |
| 14 | SCT | Barrhaven Independent | 1165 Beaverwood Crs Manotick ON K4M 1A5 | ENE/142.5 | -5.73 | 88 |
| 14 | SCT | Manotick Printing Services | 1165 Beaverwood Rd Manotick ON K4M 1A5 | ENE/142.5 | -5.73 | 88 |
| 14 | SCT | Manotick Messenger Inc. | 1165 Beaverwood Rd Manotick ON K4M 1A5 | ENE/142.5 | -5.73 | 88 |
| 14 | SCT | Manotick Messenger Inc. - | 1165 Beaverwood Rd Manotick ON K4M 1A5 | ENE/142.5 | -5.73 | 89 |
| 14 | EHS | | 1165 Beaverwood Road Ottawa Ontario Manotick ON K4M 1L6 | ENE/142.5 | -5.73 | 89 |
| 15 | WWIS | | lot 2 con A ON | WSW/143.7 | 2.69 | 89 |
| | | | Well ID: 1511819 | | | |
| 16 | WWIS | | lot 1 con A ON | NNW/144.1 | -3.43 | 92 |
| | | | Well ID: 1506590 | | | |
| 17 | PES | ROBINSON'S FOODMARKETS INC. | 1160 JOHN STREET MANOTICK ON K4M 1A3 | E/145.0 | -5.67 | 95 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------|-----------|--|--|---------------------|----------------------|---------------------|
| 17 | PES | PROVIGO DISTRIBUTION INC./ MANOTICK MEWS IND. GROCER | 1160 JOHN STREET, BOX 517 MANOTICK ON K4M1A5 | E/145.0 | -5.67 | 95 |
| 18 | ECA | City of Ottawa | Ottawa ON K1J 1A6 | SE/145.1 | -3.64 | 96 |
| 18 | ECA | City of Ottawa | Ottawa ON | SE/145.1 | -3.64 | 96 |
| 19 | WWIS | | lot 2 con A ON Well ID: 1511745 | W/148.5 | 3.31 | 96 |
| 20 | WWIS | | lot 2 con A ON Well ID: 1510653 | N/152.5 | -3.43 | 99 |
| 21 | WWIS | | lot 2 con A ON Well ID: 1516267 | NNW/158.6 | -1.69 | 103 |
| 22 | WWIS | | lot 2 con A ON Well ID: 1511375 | W/161.0 | 2.66 | 106 |
| 23 | WWIS | | lot 2 con A ON Well ID: 1506586 | NNW/163.8 | -4.01 | 110 |
| 24 | BORE | | ON | W/166.8 | 4.36 | 112 |
| 25 | WWIS | | lot 2 con A ON Well ID: 1512263 | W/168.7 | 4.36 | 113 |
| 26 | WWIS | | ON Well ID: 7373237 | SE/177.0 | -3.64 | 116 |
| 27 | PINC | SHAHRAM BAKHTIARI | 5572 DOCTOR LEACH DR.,OTTAWA,ON, K4M 1C8,CA ON | SSE/178.4 | -3.64 | 117 |
| 27 | SPL | | 5572 Doctor Leach Drive, Manotick Ottawa ON K4M 1C8 | SSE/178.4 | -3.64 | 117 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------|-----------|-------------------------------|--|---------------------|----------------------|---------------------|
| 27 | GEN | City of Ottawa | 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | SSE/178.4 | -3.64 | 118 |
| 27 | GEN | City of Ottawa | 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | SSE/178.4 | -3.64 | 118 |
| 27 | GEN | City of Ottawa | 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | SSE/178.4 | -3.64 | 119 |
| 27 | GEN | City of Ottawa | 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | SSE/178.4 | -3.64 | 119 |
| 27 | GEN | Rideau Elevator Services Inc. | 5572 DR LEACH DRIVE MANOTICK ON K4M 1C8 | SSE/178.4 | -3.64 | 120 |
| 27 | GEN | City of Ottawa | 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | SSE/178.4 | -3.64 | 120 |
| 27 | GEN | City of Ottawa | 5572 Dr Leach Dr Manotick ON K4M 1C8 | SSE/178.4 | -3.64 | 120 |
| 27 | GEN | City of Ottawa | 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | SSE/178.4 | -3.64 | 121 |
| 27 | GEN | City of Ottawa | 5572 Dr Leach Dr Manotick ON K4M 1C8 | SSE/178.4 | -3.64 | 121 |
| 28 | WWIS | | lot 2 con A ON Well ID: 1509945 | N/182.4 | -4.01 | 121 |
| 29 | WWIS | | lot 2 con A ON Well ID: 1517944 | ENE/182.9 | -4.64 | 124 |
| 30 | WWIS | | lot 2 ON Well ID: 1506481 | NE/189.5 | -5.59 | 127 |
| 31 | EHS | | 5528 Ann St Ottawa ON K4M1A3 | NNE/191.5 | -6.66 | 130 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------|-----------|---|--|---------------------|----------------------|---------------------|
| 32 | WWIS | | lot 2 con A ON Well ID: 1510054 | WNW/192.1 | 6.05 | 130 |
| 33 | SPL | Enbridge Gas Distribution Inc. | 1196 Beaverwood Road Ottawa ON | WSW/196.2 | 1.36 | 133 |
| 33 | PINC | PIPELINE HIT 1/2" | 1196 BEAVERWOOD RD.,OTTAWA,ON, K4M 1C7,CA ON | WSW/196.2 | 1.36 | 133 |
| 34 | WWIS | | lot 2 con A ON Well ID: 1515411 | W/203.0 | 5.14 | 134 |
| 35 | PES | MANOTICK HARDWARE LIMITED | 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8 | ESE/208.3 | -4.64 | 137 |
| 35 | INC | | 1160D Beaverwood Drive, Manotick ON | ESE/208.3 | -4.64 | 138 |
| 35 | PINC | | 1166 EASTMAN AVENUE, MANOTICK ON | ESE/208.3 | -4.64 | 138 |
| 35 | PES | MANOTICK HARDWARE LIMITED | 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M 1A8 | ESE/208.3 | -4.64 | 139 |
| 35 | PES | 2485368 ONTARIO INC O/A MANOTICK HOME HARDWARE | 1166 BEAVERWOOD RD MANOTICK ON K4M1A8 | ESE/208.3 | -4.64 | 139 |
| 35 | PES | 1799598 ONTARIO LIMITED O/A MANOTICK HOME HARDWARE | 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8 | ESE/208.3 | -4.64 | 140 |
| 35 | PES | 1799598 ONTARIO LIMITED O/A MANOTICK HOME HARDWARE | 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8 | ESE/208.3 | -4.64 | 140 |
| 35 | PES | 2485368 ONTARIO INC. | 1166 Beaverwood RD Manotick ON K4M 1A8 | ESE/208.3 | -4.64 | 140 |
| 36 | SPL | SERVICE STATION | 5549 ANN ST., MANOTICK (N.O.S.) OSGOODE TOWNSHIP ON | ENE/209.4 | -4.34 | 141 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------|-----------|---|--|---------------------|----------------------|---------------------|
| 37 | WWIS | | lot 2 ON Well ID: 1510183 | NE/217.6 | -4.84 | 141 |
| 38 | WWIS | | lot 2 con A ON Well ID: 1511479 | WNW/218.4 | 5.56 | 145 |
| 39 | NCPL | City of Ottawa - Village Walk STP | 65 Village Walk Pvt Ottawa ON | ESE/225.3 | -3.78 | 148 |
| 39 | NCPL | City of Ottawa - Village Walk STP | 65 Village Walk Pvt Ottawa ON | ESE/225.3 | -3.78 | 149 |
| 39 | NCPL | City of Ottawa - Village Walk Sewage Treatment Plant | 65 Village Walk Pvt Ottawa ON | ESE/225.3 | -3.78 | 149 |
| 40 | WWIS | | lot 2 con A ON Well ID: 1512038 | W/227.1 | 2.31 | 150 |
| 41 | WWIS | | lot 2 ON Well ID: 1506448 | ENE/228.0 | -4.09 | 153 |
| 42 | WWIS | | lot 1 ON Well ID: 1506447 | NNE/234.9 | -6.61 | 155 |
| 43 | EHS | | 5536 Manotick Main Street Manotick ON K4M | NE/235.8 | -3.92 | 158 |
| 44 | WWIS | | lot 2 con A ON Well ID: 1516364 | ENE/236.6 | -3.64 | 158 |
| 45 | EHS | | 5549 Ann St Ottawa ON K4M1L6 | ENE/245.5 | -3.64 | 161 |
| 46 | EHS | | 5544 Main Street Manotick ON | ENE/245.8 | -3.74 | 161 |
| 47 | WWIS | | lot 2 con A ON | NW/249.8 | 1.12 | 161 |

| <i>Map Key</i> | <i>DB</i> | <i>Company/Site Name</i> | <i>Address</i> | <i>Dir/Dist (m)</i> | <i>Elev Diff (m)</i> | <i>Page Number</i> |
|--------------------|-----------|--------------------------|----------------|---------------------|--------------------------|------------------------|
|--------------------|-----------|--------------------------|----------------|---------------------|--------------------------|------------------------|

Well ID: 1514236

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--------------------------------------|-----------------------|-------------------------|----------------------------|---------------------------|
| | ON | WSW | 88.40 | <u>6</u> |
| | ON | W | 166.80 | <u>24</u> |

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|--|-------------------------|----------------------------|--------------------------|
| TEAMCO HOLDINGS INC. | JOHN ST./DOCTOR LEACH DR.(STP) RIDEAU TWP. ON | S | 30.60 | <u>1</u> |

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Dec 31, 2021 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|-----------------------|-------------------------|----------------------------|---------------------------|
| City of Ottawa | Ottawa ON | SE | 145.13 | <u>18</u> |
| City of Ottawa | Ottawa ON K1J 1A6 | SE | 145.13 | <u>18</u> |

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Nov 30, 2021 has found that there are 5 EHS site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------|---|------------------|---------------------|--------------------|
| | 1165 Beaverwood Road Ottawa Ontario Manotick ON K4M 1L6 | ENE | 142.52 | 14 |
| | 5528 Ann St Ottawa ON K4M1A3 | NNE | 191.55 | 31 |
| | 5536 Manotick Main Street Manotick ON K4M | NE | 235.80 | 43 |
| | 5549 Ann St Ottawa ON K4M1L6 | ENE | 245.53 | 45 |
| | 5544 Main Street Manotick ON | ENE | 245.85 | 46 |

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Nov 30, 2021 has found that there are 26 GEN site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--|--|------------------|---------------------|-------------------|
| Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE | 83.37 | 4 |
| Rideaugreen Veterinary Management Inc. | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE | 83.37 | 4 |
| Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE | 83.37 | 4 |
| Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE | 83.37 | 4 |
| Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE | 83.37 | 4 |

| | | | | |
|---|---|-----|-------|----------|
| Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | ENE | 83.37 | <u>4</u> |
| Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | ENE | 83.37 | <u>4</u> |
| Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | ENE | 83.37 | <u>4</u> |
| Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | ENE | 83.37 | <u>4</u> |
| Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | ENE | 83.37 | <u>4</u> |
| RIDEAU ANIMAL HOSPITAL | 1 ANN ST. MANOTICK ON K0A 2N0 | ENE | 83.37 | <u>4</u> |
| RIDEAU ANIMAL HOSPITAL 33-274 | 1 ANN ST. MANOTICK ON K0A 2N0 | ENE | 83.37 | <u>4</u> |
| Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE | 83.37 | <u>4</u> |
| Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE | 83.37 | <u>4</u> |
| RIDEAU ANIMAL HOSPITAL | 1 ANN ST. MANOTICK ON K0A 2N0 | ENE | 83.37 | <u>4</u> |
| RIDEAU ANIMAL (OUT OF BUS.) | 1 ANN ST. MANOTICK ON K0A 2N0 | ENE | 83.37 | <u>4</u> |
| Nepean-Rideau Veterinary Professional Corporation | P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | ENE | 83.37 | <u>4</u> |

| | | | | |
|-------------------------------|--|-----|--------|--------------------|
| City of Ottawa | 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | SSE | 178.42 | 27 |
| City of Ottawa | 5572 Dr Leach Dr Manotick ON K4M 1C8 | SSE | 178.42 | 27 |
| City of Ottawa | 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | SSE | 178.42 | 27 |
| City of Ottawa | 5572 Dr Leach Dr Manotick ON K4M 1C8 | SSE | 178.42 | 27 |
| City of Ottawa | 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | SSE | 178.42 | 27 |
| Rideau Elevator Services Inc. | 5572 DR LEACH DRIVE MANOTICK ON K4M 1C8 | SSE | 178.42 | 27 |
| City of Ottawa | 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | SSE | 178.42 | 27 |
| City of Ottawa | 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | SSE | 178.42 | 27 |
| City of Ottawa | 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | SSE | 178.42 | 27 |

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|----------------------------------|-------------------------|----------------------------|-----------------------|
| | 1168 MAPLE STREET MANOTICK ON | NNE | 117.75 | 11 |

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated May 31, 2021 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the

project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------|-------------------------------------|------------------|---------------------|--------------------|
| | 1160D Beaverwood Drive, Manotick ON | ESE | 208.29 | 35 |

NCPL - Non-Compliance Reports

A search of the NCPL database, dated Dec 31, 2019 has found that there are 3 NCPL site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--|-------------------------------|------------------|---------------------|--------------------|
| City of Ottawa - Village Walk Sewage Treatment Plant | 65 Village Walk Pvt Ottawa ON | ESE | 225.34 | 39 |
| City of Ottawa - Village Walk STP | 65 Village Walk Pvt Ottawa ON | ESE | 225.34 | 39 |
| City of Ottawa - Village Walk STP | 65 Village Walk Pvt Ottawa ON | ESE | 225.34 | 39 |

PES - Pesticide Register

A search of the PES database, dated Oct 2011- Dec 31, 2021 has found that there are 13 PES site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--|--|------------------|---------------------|--------------------|
| GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED | 1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5 | NNE | 117.75 | 11 |
| GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED | 1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5 | NNE | 117.75 | 11 |
| GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED | 1168 MAPLE ST, BOX 534 MANOTICK ON K4M1A5 | NNE | 117.75 | 11 |
| GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED | 1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5 | NNE | 117.75 | 11 |

| | | | | |
|---|--|-----|--------|--------------------|
| GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED | 1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5 | NNE | 117.75 | 11 |
| PROVIGO DISTRIBUTION INC./ MANOTICK MEWS IND. GROCER | 1160 JOHN STREET, BOX 517 MANOTICK ON K4M1A5 | E | 145.03 | 17 |
| ROBINSON'S FOODMARKETS INC. | 1160 JOHN STREET MANOTICK ON K4M 1A3 | E | 145.03 | 17 |
| MANOTICK HARDWARE LIMITED | 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8 | ESE | 208.29 | 35 |
| MANOTICK HARDWARE LIMITED | 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M 1A8 | ESE | 208.29 | 35 |
| 1799598 ONTARIO LIMITED O/A MANOTICK HOME HARDWARE | 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8 | ESE | 208.29 | 35 |
| 1799598 ONTARIO LIMITED O/A MANOTICK HOME HARDWARE | 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8 | ESE | 208.29 | 35 |
| 2485368 ONTARIO INC O/A MANOTICK HOME HARDWARE | 1166 BEAVERWOOD RD MANOTICK ON K4M1A8 | ESE | 208.29 | 35 |
| 2485368 ONTARIO INC. | 1166 Beaverwood RD Manotick ON K4M 1A8 | ESE | 208.29 | 35 |

PINC - Pipeline Incidents

A search of the PINC database, dated May 31, 2021 has found that there are 3 PINC site(s) within approximately 0.25 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--------------------------------------|---|-------------------------|----------------------------|-----------------------|
| PIPELINE HIT 1/2" | 1196 BEAVERWOOD RD., OTTAWA, ON, K4M 1C7, CA ON | WSW | 196.20 | 33 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------|--|------------------|---------------------|--------------------|
| SHAHRAM BAKHTIARI | 5572 DOCTOR LEACH DR,,OTTAWA, ON,K4M 1C8,CA ON | SSE | 178.42 | 27 |
| | 1166 EASTMAN AVENUE, MANOTICK ON | ESE | 208.29 | 35 |

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 8 SCT site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-----------------------------------|--|------------------|---------------------|--------------------|
| IMPLO-TEC RESEARCH CANADA INC. | 1165 John St Manotick ON K4M 1A2 | ENE | 142.52 | 14 |
| BARRHAVEN INDEPENDENT | 1165 JOHN ST MANOTICK ON K4M | ENE | 142.52 | 14 |
| MANOTICK MESSENGER INC. | 1165 JOHN ST MANOTICK ON K4M 1A5 | ENE | 142.52 | 14 |
| Manotick Messenger Inc. - | 1165 Beaverwood Rd Manotick ON K4M 1A5 | ENE | 142.52 | 14 |
| Manotick Messenger Inc. | 1165 Beaverwood Rd Manotick ON K4M 1A5 | ENE | 142.52 | 14 |
| Manotick Printing Services | 1165 Beaverwood Rd Manotick ON K4M 1A5 | ENE | 142.52 | 14 |
| Barrhaven Independent | 1165 Beaverwood Crs Manotick ON K4M 1A5 | ENE | 142.52 | 14 |
| MANOTICK PRINTING SERVICES | 1165 JOHN ST MANOTICK ON K4M 1A5 | ENE | 142.52 | 14 |

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020 has found that there are 3 SPL site(s) within approximately 0.25 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--------------------------------------|-----------------------------------|-------------------------|----------------------------|---------------------------|
| Enbridge Gas Distribution Inc. | 1196 Beaverwood Road Ottawa ON | WSW | 196.20 | <u>33</u> |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|--|-------------------------|----------------------------|---------------------------|
| | 5572 Doctor Leach Drive, Manotick Ottawa ON K4M 1C8 | SSE | 178.42 | <u>27</u> |
| SERVICE STATION | 5549 ANN ST., MANOTICK (N.O.S.) OSGOODE TOWNSHIP ON | ENE | 209.38 | <u>36</u> |

WWIS - Water Well Information System

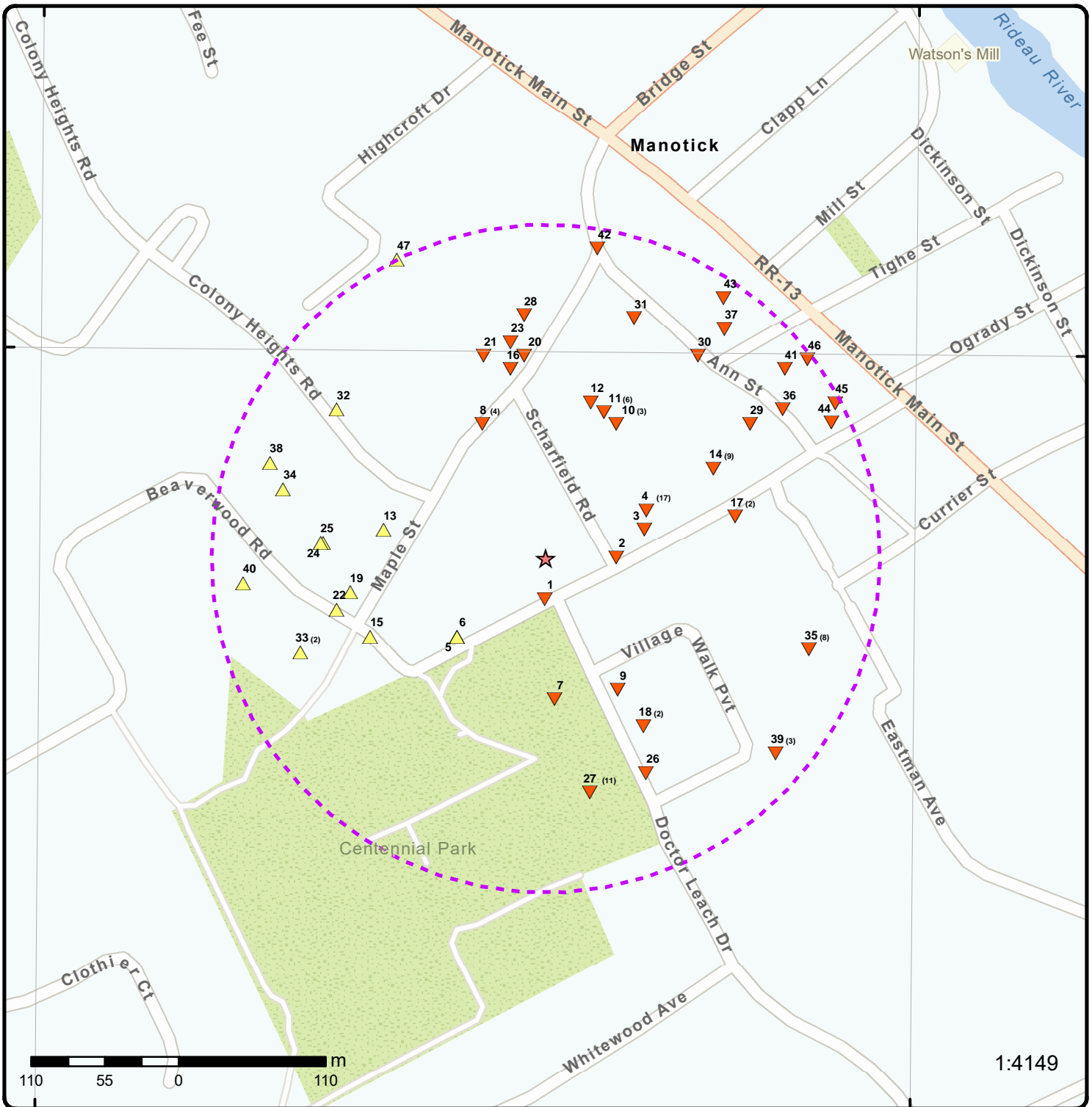
A search of the WWIS database, dated Sep 30, 2021 has found that there are 35 WWIS site(s) within approximately 0.25 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--------------------------------------|--|-------------------------|----------------------------|---------------------------|
| | lot 7 con 1 ON <i>Well ID:</i> 1511389 | WSW | 88.34 | <u>5</u> |
| | lot 2 con A ON <i>Well ID:</i> 1511320 | W | 123.25 | <u>13</u> |
| | lot 2 con A ON <i>Well ID:</i> 1511819 | WSW | 143.71 | <u>15</u> |
| | lot 2 con A ON <i>Well ID:</i> 1511745 | W | 148.51 | <u>19</u> |
| | lot 2 con A ON <i>Well ID:</i> 1511375 | W | 160.97 | <u>22</u> |

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|-------------------------|------------------|---------------------|---------------------------|
| | lot 2 con A ON | W | 168.74 | <u>25</u> |
| | <i>Well ID:</i> 1512263 | | | |
| | lot 2 con A ON | WNW | 192.12 | <u>32</u> |
| | <i>Well ID:</i> 1510054 | | | |
| | lot 2 con A ON | W | 203.02 | <u>34</u> |
| | <i>Well ID:</i> 1515411 | | | |
| | lot 2 con A ON | WNW | 218.43 | <u>38</u> |
| | <i>Well ID:</i> 1511479 | | | |
| | lot 2 con A ON | W | 227.08 | <u>40</u> |
| | <i>Well ID:</i> 1512038 | | | |
| | lot 2 con A ON | NW | 249.84 | <u>47</u> |
| | <i>Well ID:</i> 1514236 | | | |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------|-------------------------|------------------|---------------------|--------------------------|
| | lot 2 con A ON | E | 52.67 | <u>2</u> |
| | <i>Well ID:</i> 1517732 | | | |
| | lot 2 con A ON | ENE | 76.78 | <u>3</u> |
| | <i>Well ID:</i> 1516469 | | | |
| | lot 2 con A ON | S | 105.55 | <u>7</u> |
| | <i>Well ID:</i> 1514029 | | | |
| | lot 2 con A ON | NW | 111.24 | <u>8</u> |
| | <i>Well ID:</i> 1519106 | | | |
| | lot 2 con A ON | NW | 111.24 | <u>8</u> |
| | <i>Well ID:</i> 1519109 | | | |

| | | | |
|-------------------------|-----|--------|-----------|
| lot 2 con A ON | NW | 111.24 | <u>8</u> |
| Well ID: 1519314 | | | |
| lot 2 con A ON | NW | 111.24 | <u>8</u> |
| Well ID: 1519491 | | | |
| lot 2 con A ON | SE | 112.03 | <u>9</u> |
| Well ID: 1515427 | | | |
| lot 2 con A ON | NE | 113.60 | <u>10</u> |
| Well ID: 1517078 | | | |
| lot 2 con A ON | NE | 113.60 | <u>10</u> |
| Well ID: 1517735 | | | |
| lot 2 con A ON | NE | 113.60 | <u>10</u> |
| Well ID: 1518928 | | | |
| lot 2 con A ON | NNE | 121.42 | <u>12</u> |
| Well ID: 1510575 | | | |
| lot 1 con A ON | NNW | 144.09 | <u>16</u> |
| Well ID: 1506590 | | | |
| lot 2 con A ON | N | 152.54 | <u>20</u> |
| Well ID: 1510653 | | | |
| lot 2 con A ON | NNW | 158.58 | <u>21</u> |
| Well ID: 1516267 | | | |
| lot 2 con A ON | NNW | 163.79 | <u>23</u> |
| Well ID: 1506586 | | | |
| ON | SE | 176.96 | <u>26</u> |
| Well ID: 7373237 | | | |
| lot 2 con A ON | N | 182.39 | <u>28</u> |



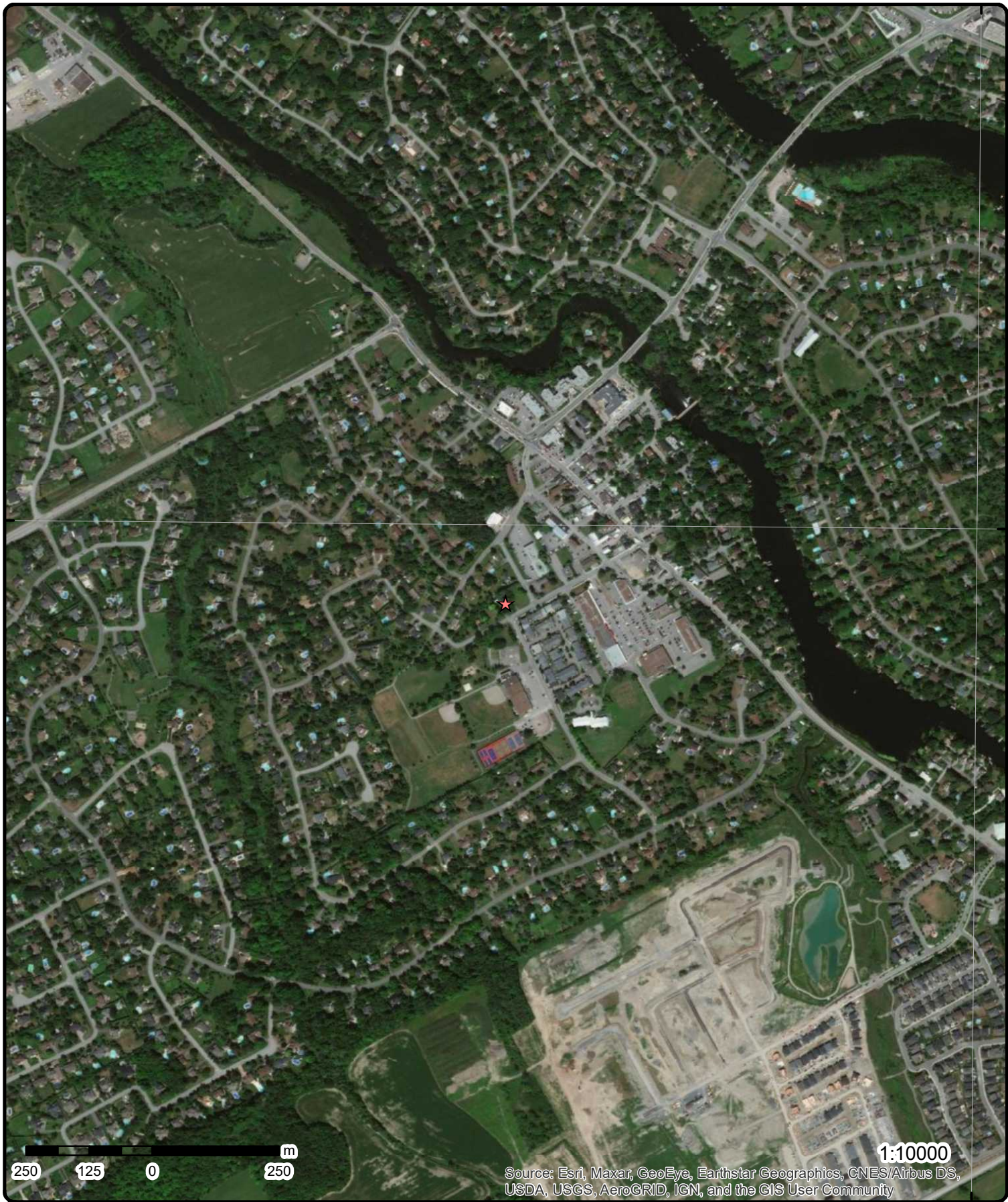
Map: 0.25 Kilometer Radius

Order Number: 22020800656

Address: 1185 Beaverwood Road, Manotick, ON



| | | | |
|-----------------------------------|------------------------------------|--------------------|------------------------|
| Project Property | Freeways; Highways | Beach | Shopping & Sports Area |
| Buffer Outline | Traffic Circle; Ramp | Airport | University/College |
| Eris Sites with Higher Elevation | Major Arterial; Minor Arterial | Industrial Area | Cemetery; Golf Course |
| Eris Sites with Same Elevation | Local Road | Military Base | Park (National) |
| Eris Sites with Lower Elevation | Service Road; Traffic Circle; Ramp | Aircraft Roads | Park (City/County) |
| Eris Sites with Unknown Elevation | Rail | Native Reservation | |
| | | Hospital | |



Aerial Year: 2020

Order Number: 22020800656

Address: 1185 Beaverwood Road, Manotick, ON



Source: ESRI World Imagery

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75°42'W

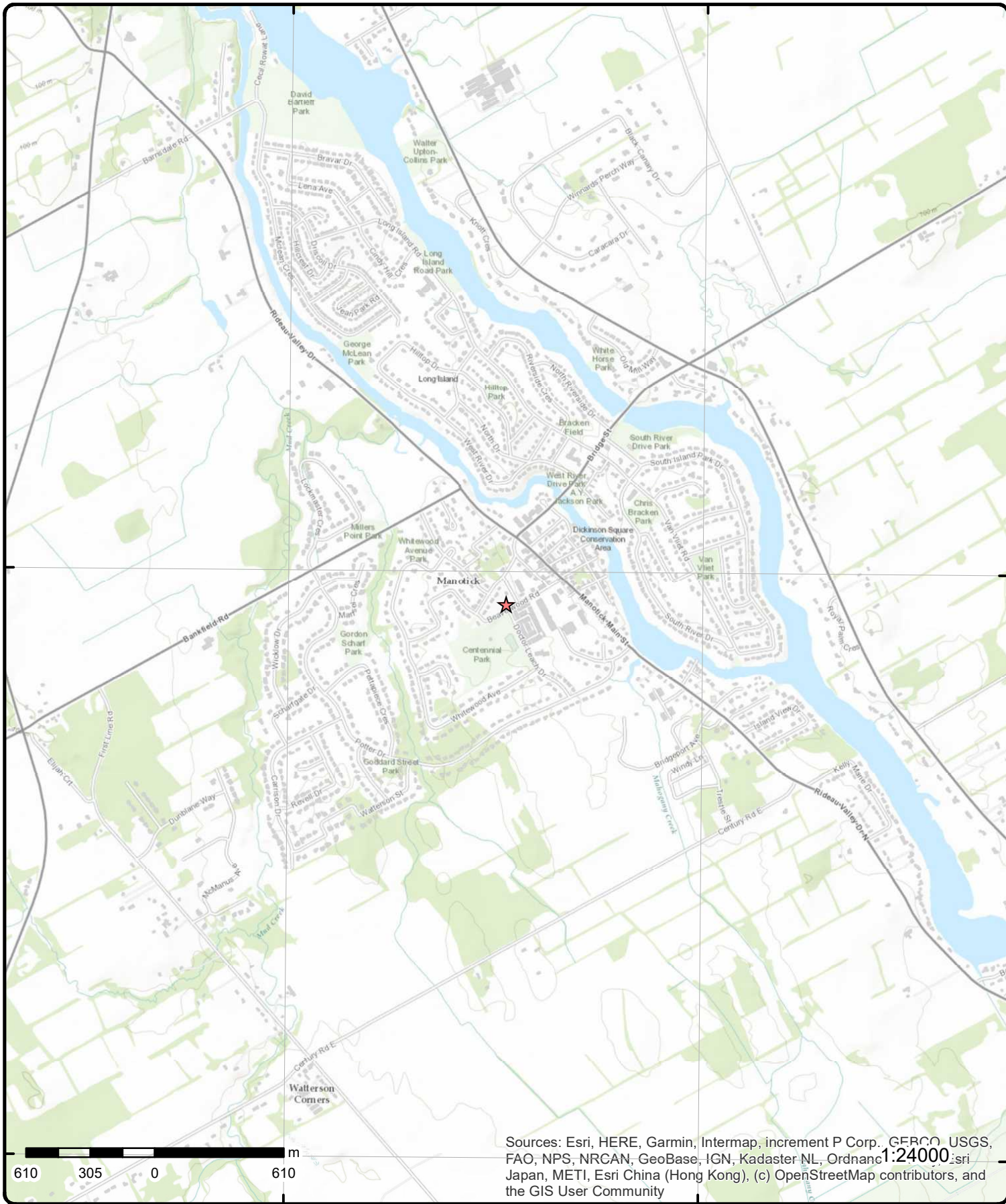
75°40'30"W

45°13'30"N

45°13'30"N

45°12'N

45°12'N



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Topographic Map

Address: 1185 Beaverwood Road, ON

Source: ESRI World Topographic Map

Order Number: 22020800656



© ERIS Information Limited Partnership

Detail Report

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------|-------------------|----------------------------|------------------|--|----|
| 1 | 1 of 1 | S/30.6 | 92.1 / -1.43 | TEAMCO HOLDINGS INC. JOHN ST./DOCTOR LEACH DR.(STP) RIDEAU TWP. ON | CA |

Certificate #: 3-1338-96-
Application Year: 96
Issue Date: 1/13/1997
Approval Type: Municipal sewage
Status:
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

| | | | | | |
|-------------------|--------|--------|--------------|-------------------|------|
| 2 | 1 of 1 | E/52.7 | 89.8 / -3.69 | lot 2 con A ON | WWIS |
|-------------------|--------|--------|--------------|-------------------|------|

| | |
|--|--|
| Well ID: 1517732 Construction Date: Primary Water Use: Domestic Sec. Water Use: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: | Data Entry Status: Data Src: 1 Date Received: 3/3/1982 Selected Flag: TRUE Abandonment Rec: Contractor: 1558 Form Version: 1 Owner: Street Name: County: OTTAWA Municipality: NORTH GOWER TOWNSHIP Site Info: Lot: 002 Concession: A Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability: |
|--|--|

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517732.pdf

Additional Detail(s) (Map)

Well Completed Date: 1981/09/25
Year Completed: 1981
Depth (m): 41.148
Latitude: 45.2236179766615
Longitude: -75.6861737091981
Path: 151\1517732.pdf

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------------------|----------------------|----------------------------|------------------|-------------------------|--------------------------------|
| <u>Bore Hole Information</u> | | | | | |
| Bore Hole ID: | 10039604 | | | Elevation: | |
| DP2BR: | | | | Elevrc: | |
| Spatial Status: | | | | Zone: | 18 |
| Code OB: | | | | East83: | 446129.80 |
| Code OB Desc: | | | | North83: | 5008021.00 |
| Open Hole: | | | | Org CS: | |
| Cluster Kind: | | | | UTMRC: | 4 |
| Date Completed: | 25-Sep-1981 00:00:00 | | | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | | | Location Method: | p4 |
| Elevrc Desc: | | | | | |
| Location Source Date: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Source Revision Comment: | | | | | |
| Supplier Comment: | | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931036149 | | | | |
| Layer: | 1 | | | | |
| Color: | 6 | | | | |
| General Color: | BROWN | | | | |
| Mat1: | 05 | | | | |
| Most Common Material: | CLAY | | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | 0.0 | | | | |
| Formation End Depth: | 15.0 | | | | |
| Formation End Depth UOM: | ft | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931036152 | | | | |
| Layer: | 4 | | | | |
| Color: | 2 | | | | |
| General Color: | GREY | | | | |
| Mat1: | 18 | | | | |
| Most Common Material: | SANDSTONE | | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | 95.0 | | | | |
| Formation End Depth: | 135.0 | | | | |
| Formation End Depth UOM: | ft | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931036151 | | | | |
| Layer: | 3 | | | | |
| Color: | 2 | | | | |
| General Color: | GREY | | | | |
| Mat1: | 15 | | | | |
| Most Common Material: | LIMESTONE | | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 25.0 | | | |
| Formation End Depth: | | 95.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931036150 | | | |
| Layer: | | 2 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 15.0 | | | |
| Formation End Depth: | | 25.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961517732 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10588174 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930069224 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 34.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930069225 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 135.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | | 991517732 | | |
| Pump Set At: | | | | | |
| Static Level: | | | 20.0 | | |
| Final Level After Pumping: | | | 50.0 | | |
| Recommended Pump Depth: | | | 100.0 | | |
| Pumping Rate: | | | 75.0 | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | | 5.0 | | |
| Levels UOM: | | | ft | | |
| Rate UOM: | | | GPM | | |
| Water State After Test Code: | | | 1 | | |
| Water State After Test: | | | CLEAR | | |
| Pumping Test Method: | | | 1 | | |
| Pumping Duration HR: | | | 1 | | |
| Pumping Duration MIN: | | | 0 | | |
| Flowing: | | | No | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | | 934102944 | | |
| Test Type: | | | Draw Down | | |
| Test Duration: | | | 15 | | |
| Test Level: | | | 50.0 | | |
| Test Level UOM: | | | ft | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | | 934376564 | | |
| Test Type: | | | Draw Down | | |
| Test Duration: | | | 30 | | |
| Test Level: | | | 50.0 | | |
| Test Level UOM: | | | ft | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | | 934895675 | | |
| Test Type: | | | Draw Down | | |
| Test Duration: | | | 60 | | |
| Test Level: | | | 50.0 | | |
| Test Level UOM: | | | ft | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | | 934646400 | | |
| Test Type: | | | Draw Down | | |
| Test Duration: | | | 45 | | |
| Test Level: | | | 50.0 | | |
| Test Level UOM: | | | ft | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | | 933474262 | | |
| Layer: | | | 1 | | |
| Kind Code: | | | 1 | | |
| Kind: | | | FRESH | | |
| Water Found Depth: | | | 70.0 | | |
| Water Found Depth UOM: | | | ft | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|------------------------|-------------------|----------------------------|------------------|------|----|
| Water Details | | | | | |
| Water ID: | | 933474263 | | | |
| Layer: | | 2 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 134.0 | | | |
| Water Found Depth UOM: | | ft | | | |

| | | | | | |
|-------------------|--------|----------|--------------|-------------------|------|
| 3 | 1 of 1 | ENE/76.8 | 89.2 / -4.34 | lot 2 con A ON | WWIS |
|-------------------|--------|----------|--------------|-------------------|------|

| | | | |
|-------------------------------|--------------|---------------------------|----------------------|
| Well ID: | 1516469 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Commerical | Date Received: | 6/8/1978 |
| Sec. Water Use: | 0 | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | Abandonment Rec: | |
| Water Type: | | Contractor: | 1365 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | OTTAWA |
| Elevation (m): | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | 002 |
| Well Depth: | | Concession: | A |
| Overburden/Bedrock: | | Concession Name: | CON |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516469.pdf

Additional Detail(s) (Map)

| | |
|-----------------------------|-------------------|
| Well Completed Date: | 1978/02/20 |
| Year Completed: | 1978 |
| Depth (m): | 37.4904 |
| Latitude: | 45.2238086027997 |
| Longitude: | -75.6859085132123 |
| Path: | 151\1516469.pdf |

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10038385 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446150.80 |
| Code OB Desc: | | North83: | 5008042.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 20-Feb-1978 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931032228 | | | |
| Layer: | | 2 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 14.0 | | | |
| Formation End Depth: | | 91.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931032227 | | | |
| Layer: | | 1 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 28 | | | |
| Most Common Material: | | SAND | | | |
| Mat2: | | 05 | | | |
| Mat2 Desc: | | CLAY | | | |
| Mat3: | | 79 | | | |
| Mat3 Desc: | | PACKED | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 14.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931032229 | | | |
| Layer: | | 3 | | | |
| Color: | | 1 | | | |
| General Color: | | WHITE | | | |
| Mat1: | | 18 | | | |
| Most Common Material: | | SANDSTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 91.0 | | | |
| Formation End Depth: | | 123.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961516469 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10586955 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Casing No: | 1 | | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | 930067461 | | | | |
| Layer: | 2 | | | | |
| Material: | 4 | | | | |
| Open Hole or Material: | OPEN HOLE | | | | |
| Depth From: | | | | | |
| Depth To: | 123.0 | | | | |
| Casing Diameter: | 6.0 | | | | |
| Casing Diameter UOM: | inch | | | | |
| Casing Depth UOM: | ft | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | 930067460 | | | | |
| Layer: | 1 | | | | |
| Material: | 1 | | | | |
| Open Hole or Material: | STEEL | | | | |
| Depth From: | | | | | |
| Depth To: | 22.0 | | | | |
| Casing Diameter: | 6.0 | | | | |
| Casing Diameter UOM: | inch | | | | |
| Casing Depth UOM: | ft | | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | 991516469 | | | | |
| Pump Set At: | | | | | |
| Static Level: | 8.0 | | | | |
| Final Level After Pumping: | 118.0 | | | | |
| Recommended Pump Depth: | 118.0 | | | | |
| Pumping Rate: | 35.0 | | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | 35.0 | | | | |
| Levels UOM: | ft | | | | |
| Rate UOM: | GPM | | | | |
| Water State After Test Code: | 1 | | | | |
| Water State After Test: | CLEAR | | | | |
| Pumping Test Method: | 1 | | | | |
| Pumping Duration HR: | 2 | | | | |
| Pumping Duration MIN: | 0 | | | | |
| Flowing: | No | | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | 934101954 | | | | |
| Test Type: | Draw Down | | | | |
| Test Duration: | 15 | | | | |
| Test Level: | 118.0 | | | | |
| Test Level UOM: | ft | | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | 934899410 | | | | |
| Test Type: | Draw Down | | | | |
| Test Duration: | 60 | | | | |
| Test Level: | 118.0 | | | | |
| Test Level UOM: | ft | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Draw Down & Recovery

Pump Test Detail ID: 934380417
Test Type: Draw Down
Test Duration: 30
Test Level: 118.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934641925
Test Type: Draw Down
Test Duration: 45
Test Level: 118.0
Test Level UOM: ft

Water Details

Water ID: 933472781
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 122.0
Water Found Depth UOM: ft

Water Details

Water ID: 933472780
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 46.0
Water Found Depth UOM: ft

| | | | | | |
|--------------------------|---------|-----------------|---------------------|---|------------|
| <u>4</u> | 1 of 17 | ENE/83.4 | 88.7 / -4.83 | RIDEAU ANIMAL HOSPITAL 1 ANN ST. MANOTICK ON K0A 2N0 | GEN |
|--------------------------|---------|-----------------|---------------------|---|------------|

Generator No: ON0731100
SIC Code: 0211
SIC Description: VETERINARY SERVICE
Approval Years: 86,87
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

| | | | | | |
|--------------------------|---------|-----------------|---------------------|---|------------|
| <u>4</u> | 2 of 17 | ENE/83.4 | 88.7 / -4.83 | RIDEAU ANIMAL HOSPITAL 1 ANN ST. MANOTICK ON K0A 2N0 | GEN |
|--------------------------|---------|-----------------|---------------------|---|------------|

Generator No: ON0731100
SIC Code: 0211
SIC Description: VETERINARY SERVICE
Approval Years: 88,89,90
PO Box No:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|--------------------|----------------------------|---------------------|--|------------|
| Country: | | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 264 | | | |
| Waste Class Desc: | | PHOTOPROCESSING WASTES | | | |
| Waste Class: | | 312 | | | |
| Waste Class Desc: | | PATHOLOGICAL WASTES | | | |
| <u>4</u> | 3 of 17 | ENE/83.4 | 88.7 / -4.83 | RIDEAU ANIMAL HOSPITAL 33-274 1 ANN ST. MANOTICK ON K0A 2N0 | GEN |
| Generator No: | ON0731100 | | | Status: | |
| SIC Code: | 0211 | | | Co Admin: | |
| SIC Description: | VETERINARY SERVICE | | | Choice of Contact: | |
| Approval Years: | 92,93,94,95,96 | | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 264 | | | |
| Waste Class Desc: | | PHOTOPROCESSING WASTES | | | |
| Waste Class: | | 312 | | | |
| Waste Class Desc: | | PATHOLOGICAL WASTES | | | |
| <u>4</u> | 4 of 17 | ENE/83.4 | 88.7 / -4.83 | RIDEAU ANIMAL (OUT OF BUS.) 1 ANN ST. MANOTICK ON K0A 2N0 | GEN |
| Generator No: | ON0731100 | | | Status: | |
| SIC Code: | 0211 | | | Co Admin: | |
| SIC Description: | VETERINARY SERVICE | | | Choice of Contact: | |
| Approval Years: | 97,98 | | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 264 | | | |
| Waste Class Desc: | | PHOTOPROCESSING WASTES | | | |
| Waste Class: | | 312 | | | |
| Waste Class Desc: | | PATHOLOGICAL WASTES | | | |
| <u>4</u> | 5 of 17 | ENE/83.4 | 88.7 / -4.83 | Rideaugreen Veterinary Management Inc. P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | GEN |
| Generator No: | ON0731101 | | | Status: | |
| SIC Code: | | | | Co Admin: | |
| SIC Description: | | | | Choice of Contact: | |
| Approval Years: | 02,03,04 | | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|-------------------|----------------------------|---------------------|---|------------|
| Waste Class: | | 264 | | | |
| Waste Class Desc: | | PHOTOPROCESSING WASTES | | | |
| Waste Class: | | 312 | | | |
| Waste Class Desc: | | PATHOLOGICAL WASTES | | | |
| <u>4</u> | 6 of 17 | ENE/83.4 | 88.7 / -4.83 | Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | GEN |
| Generator No: | | ON0731101 | | Status: | |
| SIC Code: | | 541940 | | Co Admin: | |
| SIC Description: | | Veterinary Services | | Choice of Contact: | |
| Approval Years: | | 06,07,08 | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 261 | | | |
| Waste Class Desc: | | PHARMACEUTICALS | | | |
| Waste Class: | | 264 | | | |
| Waste Class Desc: | | PHOTOPROCESSING WASTES | | | |
| Waste Class: | | 312 | | | |
| Waste Class Desc: | | PATHOLOGICAL WASTES | | | |
| <u>4</u> | 7 of 17 | ENE/83.4 | 88.7 / -4.83 | Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | GEN |
| Generator No: | | ON0731101 | | Status: | |
| SIC Code: | | 541940 | | Co Admin: | |
| SIC Description: | | Veterinary Services | | Choice of Contact: | |
| Approval Years: | | 2009 | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 261 | | | |
| Waste Class Desc: | | PHARMACEUTICALS | | | |
| Waste Class: | | 264 | | | |
| Waste Class Desc: | | PHOTOPROCESSING WASTES | | | |
| Waste Class: | | 312 | | | |
| Waste Class Desc: | | PATHOLOGICAL WASTES | | | |
| <u>4</u> | 8 of 17 | ENE/83.4 | 88.7 / -4.83 | Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | GEN |
| Generator No: | | ON0731101 | | Status: | |
| SIC Code: | | 541940 | | Co Admin: | |
| SIC Description: | | Veterinary Services | | Choice of Contact: | |
| Approval Years: | | 2010 | | Phone No Admin: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|--|---------------------|--|------------|
| PO Box No: Country: | | Contam. Facility: MHSW Facility: | | | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: Waste Class Desc: | | 312 PATHOLOGICAL WASTES | | | |
| Waste Class: Waste Class Desc: | | 264 PHOTOPROCESSING WASTES | | | |
| Waste Class: Waste Class Desc: | | 261 PHARMACEUTICALS | | | |
| 4 | 9 of 17 | ENE/83.4 | 88.7 / -4.83 | Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | GEN |
| Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: | | ON0731101 541940 Veterinary Services 2011 | | Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: Waste Class Desc: | | 261 PHARMACEUTICALS | | | |
| Waste Class: Waste Class Desc: | | 312 PATHOLOGICAL WASTES | | | |
| Waste Class: Waste Class Desc: | | 264 PHOTOPROCESSING WASTES | | | |
| 4 | 10 of 17 | ENE/83.4 | 88.7 / -4.83 | Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | GEN |
| Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: | | ON0731101 541940 Veterinary Services 2012 | | Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: Waste Class Desc: | | 264 PHOTOPROCESSING WASTES | | | |
| Waste Class: Waste Class Desc: | | 312 PATHOLOGICAL WASTES | | | |
| Waste Class: Waste Class Desc: | | 261 PHARMACEUTICALS | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|------------------------|-------------------------|---------------|--|-----|
| 4 | 11 of 17 | ENE/83.4 | 88.7 / -4.83 | Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON | GEN |
| Generator No: | ON0731101 | | | Status: | |
| SIC Code: | 541940 | | | Co Admin: | |
| SIC Description: | VETERINARY SERVICES | | | Choice of Contact: | |
| Approval Years: | 2013 | | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | 264 | | | | |
| Waste Class Desc: | PHOTOPROCESSING WASTES | | | | |
| Waste Class: | 261 | | | | |
| Waste Class Desc: | PHARMACEUTICALS | | | | |
| Waste Class: | 312 | | | | |
| Waste Class Desc: | PATHOLOGICAL WASTES | | | | |

| | | | | | |
|--------------------------|------------------------|----------|--------------|--|-------------------|
| 4 | 12 of 17 | ENE/83.4 | 88.7 / -4.83 | Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | GEN |
| Generator No: | ON0731101 | | | Status: | |
| SIC Code: | 541940 | | | Co Admin: | Miki Shibata |
| SIC Description: | VETERINARY SERVICES | | | Choice of Contact: | CO_ADMIN |
| Approval Years: | 2016 | | | Phone No Admin: | 613-692-2434 Ext. |
| PO Box No: | | | | Contam. Facility: | No |
| Country: | Canada | | | MHSW Facility: | No |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | 264 | | | | |
| Waste Class Desc: | PHOTOPROCESSING WASTES | | | | |
| Waste Class: | 312 | | | | |
| Waste Class Desc: | PATHOLOGICAL WASTES | | | | |
| Waste Class: | 261 | | | | |
| Waste Class Desc: | PHARMACEUTICALS | | | | |

| | | | | | |
|--------------------------|---------------------|----------|--------------|--|-------------------|
| 4 | 13 of 17 | ENE/83.4 | 88.7 / -4.83 | Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | GEN |
| Generator No: | ON0731101 | | | Status: | |
| SIC Code: | 541940 | | | Co Admin: | Miki Shibata |
| SIC Description: | VETERINARY SERVICES | | | Choice of Contact: | CO_ADMIN |
| Approval Years: | 2015 | | | Phone No Admin: | 613-692-2434 Ext. |
| PO Box No: | | | | Contam. Facility: | No |
| Country: | Canada | | | MHSW Facility: | No |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | 312 | | | | |
| Waste Class Desc: | PATHOLOGICAL WASTES | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|---------------------|----------------------------|------------------|--|-------------------|
| Waste Class: | | 264 | | | |
| Waste Class Desc: | | PHOTOPROCESSING WASTES | | | |
| Waste Class: | | 261 | | | |
| Waste Class Desc: | | PHARMACEUTICALS | | | |
| 4 | 14 of 17 | ENE/83.4 | 88.7 / -4.83 | Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | GEN |
| Generator No: | ON0731101 | | | Status: | |
| SIC Code: | 541940 | | | Co Admin: | Miki Shibata |
| SIC Description: | VETERINARY SERVICES | | | Choice of Contact: | CO_ADMIN |
| Approval Years: | 2014 | | | Phone No Admin: | 613-692-2434 Ext. |
| PO Box No: | | | | Contam. Facility: | No |
| Country: | Canada | | | MHSW Facility: | No |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 261 | | | |
| Waste Class Desc: | | PHARMACEUTICALS | | | |
| Waste Class: | | 312 | | | |
| Waste Class Desc: | | PATHOLOGICAL WASTES | | | |
| Waste Class: | | 264 | | | |
| Waste Class Desc: | | PHOTOPROCESSING WASTES | | | |
| 4 | 15 of 17 | ENE/83.4 | 88.7 / -4.83 | Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | GEN |
| Generator No: | ON0731101 | | | Status: | Registered |
| SIC Code: | | | | Co Admin: | |
| SIC Description: | | | | Choice of Contact: | |
| Approval Years: | As of Dec 2018 | | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | Canada | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 261 A | | | |
| Waste Class Desc: | | Pharmaceuticals | | | |
| Waste Class: | | 312 P | | | |
| Waste Class Desc: | | Pathological wastes | | | |
| 4 | 16 of 17 | ENE/83.4 | 88.7 / -4.83 | Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | GEN |
| Generator No: | ON0731101 | | | Status: | Registered |
| SIC Code: | | | | Co Admin: | |
| SIC Description: | | | | Choice of Contact: | |
| Approval Years: | As of Jul 2020 | | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | Canada | | | MHSW Facility: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

| | | | | | |
|-------------------|----------|-----------------|---------------------|---|------------|
| 4 | 17 of 17 | ENE/83.4 | 88.7 / -4.83 | Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9 | GEN |
|-------------------|----------|-----------------|---------------------|---|------------|

| | | | |
|-------------------------|----------------|---------------------------|------------|
| Generator No: | ON0731101 | Status: | Registered |
| SIC Code: | | Co Admin: | |
| SIC Description: | | Choice of Contact: | |
| Approval Years: | As of Nov 2021 | Phone No Admin: | |
| PO Box No: | | Contam. Facility: | |
| Country: | Canada | MHSW Facility: | |

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

| | | | | | |
|-------------------|--------|-----------------|--------------------|---------------------------|-------------|
| 5 | 1 of 1 | WSW/88.3 | 94.4 / 0.88 | lot 7 con 1 ON | WWIS |
|-------------------|--------|-----------------|--------------------|---------------------------|-------------|

| | | | |
|-------------------------------|--------------|---------------------------|----------------------|
| Well ID: | 1511389 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Domestic | Date Received: | 9/10/1971 |
| Sec. Water Use: | 0 | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | Abandonment Rec: | |
| Water Type: | | Contractor: | 1558 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | OTTAWA |
| Elevation (m): | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | 007 |
| Well Depth: | | Concession: | 01 |
| Overburden/Bedrock: | | Concession Name: | CON |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511389.pdf

Additional Detail(s) (Map)

Well Completed Date: 1971/08/19
Year Completed: 1971
Depth (m): 45.72
Latitude: 45.2230778058249
Longitude: -75.6876829640221
Path: 151\1511389.pdf

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------------------|--------------------------|------------------------------------|--------------------------|-------------------------|--------------------------------|
| <u>Bore Hole Information</u> | | | | | |
| Bore Hole ID: | 10033385 | | | Elevation: | |
| DP2BR: | | | | Elevrc: | |
| Spatial Status: | | | | Zone: | 18 |
| Code OB: | | | | East83: | 446010.80 |
| Code OB Desc: | | | | North83: | 5007962.00 |
| Open Hole: | | | | Org CS: | |
| Cluster Kind: | | | | UTMRC: | 4 |
| Date Completed: | 19-Aug-1971 00:00:00 | | | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | | | Location Method: | p4 |
| Elevrc Desc: | | | | | |
| Location Source Date: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Source Revision Comment: | | | | | |
| Supplier Comment: | | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931017578 | | | | |
| Layer: | 1 | | | | |
| Color: | 6 | | | | |
| General Color: | BROWN | | | | |
| Mat1: | 14 | | | | |
| Most Common Material: | HARDPAN | | | | |
| Mat2: | 13 | | | | |
| Mat2 Desc: | BOULDERS | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | 0.0 | | | | |
| Formation End Depth: | 34.0 | | | | |
| Formation End Depth UOM: | ft | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931017579 | | | | |
| Layer: | 2 | | | | |
| Color: | 2 | | | | |
| General Color: | GREY | | | | |
| Mat1: | 15 | | | | |
| Most Common Material: | LIMESTONE | | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | 34.0 | | | | |
| Formation End Depth: | 117.0 | | | | |
| Formation End Depth UOM: | ft | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931017580 | | | | |
| Layer: | 3 | | | | |
| Color: | 2 | | | | |
| General Color: | GREY | | | | |
| Mat1: | 18 | | | | |
| Most Common Material: | SANDSTONE | | | | |

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|---|--------------------------|--------------------------------|----------------------|-------------|-----------|
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 117.0 | | | |
| Formation End Depth: | | 150.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961511389 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10581955 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930059274 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 150.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930059273 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 36.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991511389 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 30.0 | | | |
| Final Level After Pumping: | | 75.0 | | | |
| Recommended Pump Depth: | | 80.0 | | | |
| Pumping Rate: | | 8.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--------------------------|------------------------------------|--------------------------|--------------------|---------------|
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934382317 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 75.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934643896 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 75.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934900261 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 75.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934097080 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 75.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933466525 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 78.0 | | | |
| Water Found Depth UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933466526 | | | |
| Layer: | | 2 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 149.0 | | | |
| Water Found Depth UOM: | | ft | | | |
| 6 | 1 of 1 | WSW/88.4 | 94.4 / 0.88 | ON | BORE |
| Borehole ID: | 611792 | | | Inclin FLG: | No |
| OGF ID: | 215513105 | | | SP Status: | Initial Entry |
| Status: | | | | Surv Elev: | No |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------|-------------------|-------------------------|---------------|--------------------|----------------|
| Type: | Borehole | | | Piezometer: | No |
| Use: | | | | Primary Name: | |
| Completion Date: | AUG-1971 | | | Municipality: | |
| Static Water Level: | | | | Lot: | |
| Primary Water Use: | | | | Township: | |
| Sec. Water Use: | | | | Latitude DD: | 45.223077 |
| Total Depth m: | 45.7 | | | Longitude DD: | -75.687683 |
| Depth Ref: | Ground Surface | | | UTM Zone: | 18 |
| Depth Elev: | | | | Easting: | 446011 |
| Drill Method: | | | | Northing: | 5007962 |
| Orig Ground Elev m: | 96.9 | | | Location Accuracy: | |
| Elev Reliabil Note: | | | | Accuracy: | Not Applicable |
| DEM Ground Elev m: | 96.1 | | | | |
| Concession: | | | | | |
| Location D: | | | | | |
| Survey D: | | | | | |
| Comments: | | | | | |

Borehole Geology Stratum

| | | | | | |
|---------------------------|---|--|--|---------------------|------|
| Geology Stratum ID: | 218389218 | | | Mat Consistency: | |
| Top Depth: | 10.4 | | | Material Moisture: | |
| Bottom Depth: | 35.7 | | | Material Texture: | |
| Material Color: | Grey | | | Non Geo Mat Type: | |
| Material 1: | Limestone | | | Geologic Formation: | |
| Material 2: | | | | Geologic Group: | |
| Material 3: | | | | Geologic Period: | |
| Material 4: | | | | Depositional Gen: | |
| Gsc Material Description: | | | | | |
| Stratum Description: | LIMESTONE. GREY. | | | | |
| Geology Stratum ID: | 218389217 | | | Mat Consistency: | Hard |
| Top Depth: | 0 | | | Material Moisture: | |
| Bottom Depth: | 10.4 | | | Material Texture: | |
| Material Color: | Brown | | | Non Geo Mat Type: | |
| Material 1: | | | | Geologic Formation: | |
| Material 2: | Boulders | | | Geologic Group: | |
| Material 3: | | | | Geologic Period: | |
| Material 4: | | | | Depositional Gen: | |
| Gsc Material Description: | | | | | |
| Stratum Description: | HARDPAN,BOULDERS. BROWN. | | | | |
| Geology Stratum ID: | 218389219 | | | Mat Consistency: | |
| Top Depth: | 35.7 | | | Material Moisture: | |
| Bottom Depth: | 45.7 | | | Material Texture: | |
| Material Color: | Grey | | | Non Geo Mat Type: | |
| Material 1: | Sandstone | | | Geologic Formation: | |
| Material 2: | | | | Geologic Group: | |
| Material 3: | | | | Geologic Period: | |
| Material 4: | | | | Depositional Gen: | |
| Gsc Material Description: | | | | | |
| Stratum Description: | SANDSTONE. GREY. 00149. L. GREY. 00075TY = 18000. BEDROCK. SEISMIC VELOCITY **Note: Many records provided by the department have a truncated [Stratum Description] field. | | | | |

Source

| | | | |
|-----------------|--|---------------|------------------------|
| Source Type: | Data Survey | Source Appl: | Spatial/Tabular |
| Source Orig: | Geological Survey of Canada | Source Iden: | 1 |
| Source Date: | 1956-1972 | Scale or Res: | Varies |
| Confidence: | | Horizontal: | NAD27 |
| Observatio: | | Verticalda: | Mean Average Sea Level |
| Source Name: | Urban Geology Automated Information System (UGAIS) | | |
| Source Details: | File: OTTAWA1.txt RecordID: 04300 NTS_Sheet: | | |
| Confiden 1: | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------------|--|----------------------------|------------------|--------------------------|-------------------------------|
| Source List | | | | | |
| Source Identifier: | 1 | | | Horizontal Datum: | NAD27 |
| Source Type: | Data Survey | | | Vertical Datum: | Mean Average Sea Level |
| Source Date: | 1956-1972 | | | Projection Name: | Universal Transverse Mercator |
| Scale or Resolution: | Varies | | | | |
| Source Name: | Urban Geology Automated Information System (UGAIS) | | | | |
| Source Originators: | Geological Survey of Canada | | | | |

| | | | | | |
|-------------------------------|--------------|---------|--------------|---------------------------|----------------------|
| 7 | 1 of 1 | S/105.5 | 91.2 / -2.33 | lot 2 con A ON | WWIS |
| Well ID: | 1514029 | | | Data Entry Status: | |
| Construction Date: | | | | Data Src: | 1 |
| Primary Water Use: | Domestic | | | Date Received: | 5/27/1974 |
| Sec. Water Use: | 0 | | | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 3658 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514029.pdf

Additional Detail(s) (Map)

Well Completed Date: 1974/03/08
Year Completed: 1974
Depth (m): 38.1
Latitude: 45.2226603569139
Longitude: -75.6867481062092
Path: 151\1514029.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10036011 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446083.80 |
| Code OB Desc: | | North83: | 5007915.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 08-Mar-1974 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931025134 | | | |
| Layer: | | 1 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 3.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931025135 | | | |
| Layer: | | 2 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 11 | | | |
| Most Common Material: | | GRAVEL | | | |
| Mat2: | | 15 | | | |
| Mat2 Desc: | | LIMESTONE | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 3.0 | | | |
| Formation End Depth: | | 8.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931025136 | | | |
| Layer: | | 3 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 8.0 | | | |
| Formation End Depth: | | 88.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931025137 | | | |
| Layer: | | 4 | | | |
| Color: | | 1 | | | |
| General Color: | | WHITE | | | |
| Mat1: | | 18 | | | |
| Most Common Material: | | SANDSTONE | | | |
| Mat2: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 88.0 | | | |
| Formation End Depth: | | 125.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961514029 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10584581 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930063617 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 125.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930063616 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 22.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991514029 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 8.0 | | | |
| Final Level After Pumping: | | 75.0 | | | |
| Recommended Pump Depth: | | 75.0 | | | |
| Pumping Rate: | | 30.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 2 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Pumping Duration MIN: Flowing: | | 0 No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934381284 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 75.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934099792 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 75.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934899747 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 75.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934641859 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 75.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933469805 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 85.0 | | | |
| Water Found Depth UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933469806 | | | |
| Layer: | | 2 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 122.0 | | | |
| Water Found Depth UOM: | | ft | | | |

8

1 of 4

NW/111.2

92.9 / -0.64

lot 2 con A
ON

WWIS

Well ID: 1519106
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0

Data Entry Status:
Data Src: 1
Date Received: 8/7/1984
Selected Flag: TRUE

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|-------------------------|---------------|-------------------------|----------------------|
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 1558 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519106.pdf

Additional Detail(s) (Map)

Well Completed Date: 1984/06/11
Year Completed: 1984
Depth (m): 30.48
Latitude: 45.2245104095878
Longitude: -75.687458219684
Path: 151\1519106.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10040976 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446029.80 |
| Code OB Desc: | | North83: | 5008121.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 11-Jun-1984 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock

Materials Interval

Formation ID: 931040618
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 9.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931040617 | | | |
| Layer: | | 1 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | 79 | | | |
| Mat2 Desc: | | PACKED | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 9.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931040619 | | | |
| Layer: | | 3 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | 13 | | | |
| Mat2 Desc: | | BOULDERS | | | |
| Mat3: | | 11 | | | |
| Mat3 Desc: | | GRAVEL | | | |
| Formation Top Depth: | | 16.0 | | | |
| Formation End Depth: | | 19.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931040620 | | | |
| Layer: | | 4 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | 78 | | | |
| Mat2 Desc: | | MEDIUM-GRAINED | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 19.0 | | | |
| Formation End Depth: | | 100.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961519106 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10589546 | | | |

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|---|--------------------------|--------------------------------|----------------------|-------------|-----------|
| Casing No: | 1 | | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | 930071541 | | | | |
| Layer: | 2 | | | | |
| Material: | 4 | | | | |
| Open Hole or Material: | OPEN HOLE | | | | |
| Depth From: | | | | | |
| Depth To: | 100.0 | | | | |
| Casing Diameter: | 6.0 | | | | |
| Casing Diameter UOM: | inch | | | | |
| Casing Depth UOM: | ft | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | 930071540 | | | | |
| Layer: | 1 | | | | |
| Material: | 1 | | | | |
| Open Hole or Material: | STEEL | | | | |
| Depth From: | | | | | |
| Depth To: | 22.0 | | | | |
| Casing Diameter: | 6.0 | | | | |
| Casing Diameter UOM: | inch | | | | |
| Casing Depth UOM: | ft | | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | 991519106 | | | | |
| Pump Set At: | | | | | |
| Static Level: | 25.0 | | | | |
| Final Level After Pumping: | 60.0 | | | | |
| Recommended Pump Depth: | 80.0 | | | | |
| Pumping Rate: | 10.0 | | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | 5.0 | | | | |
| Levels UOM: | ft | | | | |
| Rate UOM: | GPM | | | | |
| Water State After Test Code: | 1 | | | | |
| Water State After Test: | CLEAR | | | | |
| Pumping Test Method: | 1 | | | | |
| Pumping Duration HR: | 0 | | | | |
| Pumping Duration MIN: | 30 | | | | |
| Flowing: | No | | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | 934106926 | | | | |
| Test Type: | Draw Down | | | | |
| Test Duration: | 15 | | | | |
| Test Level: | 60.0 | | | | |
| Test Level UOM: | ft | | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | 934381667 | | | | |
| Test Type: | Draw Down | | | | |
| Test Duration: | 30 | | | | |
| Test Level: | 60.0 | | | | |
| Test Level UOM: | ft | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Water Details

Water ID: 933475996
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 97.0
Water Found Depth UOM: ft

Water Details

Water ID: 933475995
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 91.0
Water Found Depth UOM: ft

| | | | | | |
|-------------------|--------|----------|--------------|-------------------|------|
| 8 | 2 of 4 | NW/111.2 | 92.9 / -0.64 | lot 2 con A ON | WWIS |
|-------------------|--------|----------|--------------|-------------------|------|

| | |
|--|--|
| Well ID: 1519109 Construction Date: Primary Water Use: Domestic Sec. Water Use: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: | Data Entry Status: Data Src: 1 Date Received: 8/7/1984 Selected Flag: TRUE Abandonment Rec: Contractor: 1558 Form Version: 1 Owner: Street Name: County: OTTAWA Municipality: NORTH GOWER TOWNSHIP Site Info: Lot: 002 Concession: A Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability: |
|--|--|

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519109.pdf

Additional Detail(s) (Map)

Well Completed Date: 1984/07/20
Year Completed: 1984
Depth (m): 15.24
Latitude: 45.2245104095878
Longitude: -75.687458219684
Path: 151\1519109.pdf

Bore Hole Information

| | |
|--|--|
| Bore Hole ID: 10040979 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: | Elevation: Elevrc: Zone: 18 East83: 446029.80 North83: 5008121.00 Org CS: |
|--|--|

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Cluster Kind:
Date Completed: 20-Jul-1984 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

**Overburden and Bedrock
Materials Interval**

Formation ID: 931040630
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 78
Mat2 Desc: MEDIUM-GRAINED
Mat3:
Mat3 Desc:
Formation Top Depth: 24.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931040629
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 10.0
Formation End Depth: 24.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931040628
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Method of Construction & Well

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Use</u> | | | | | |
| Method Construction ID: | | 961519109 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10589549 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930071547 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 509.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930071546 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 32.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991519109 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 8.0 | | | |
| Final Level After Pumping: | | 30.0 | | | |
| Recommended Pump Depth: | | 40.0 | | | |
| Pumping Rate: | | 10.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 2 | | | |
| Water State After Test: | | CLOUDY | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934901173 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| Test Level: | | 30.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934381670 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 30.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934651644 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 30.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934106929 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 30.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933476000 | | | |
| Layer: | | 2 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 46.0 | | | |
| Water Found Depth UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933475999 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 35.0 | | | |
| Water Found Depth UOM: | | ft | | | |

| | | | | | |
|-------------------------------|--------------|----------|--------------|---------------------------|----------------------|
| <u>8</u> | 3 of 4 | NW/111.2 | 92.9 / -0.64 | lot 2 con A ON | WWIS |
| Well ID: | 1519314 | | | Data Entry Status: | |
| Construction Date: | | | | Data Src: | 1 |
| Primary Water Use: | Domestic | | | Date Received: | 10/25/1984 |
| Sec. Water Use: | 0 | | | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 3644 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------|-------------------|----------------------------|------------------|------------------|-----|
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519314.pdf

Additional Detail(s) (Map)

Well Completed Date: 1984/09/28
Year Completed: 1984
Depth (m): 13.4112
Latitude: 45.2245104095878
Longitude: -75.687458219684
Path: 151\1519314.pdf

Bore Hole Information

| | | | |
|------------------------------|----------------------|------------------|--------------------------------|
| Bore Hole ID: | 10041184 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446029.80 |
| Code OB Desc: | | North83: | 5008121.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 28-Sep-1984 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock

Materials Interval

Formation ID: 931041285
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 18.0
Formation End Depth: 29.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041286
Layer: 3
Color: 2
General Color: GREY
Mat1: 15

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|--------------------------------|----------------------|-------------|-----------|
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 29.0 | | | |
| Formation End Depth: | | 44.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931041284 | | | |
| Layer: | | 1 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 18.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961519314 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10589754 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930071910 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 44.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930071909 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 31.0 | | | |
| Casing Diameter: | | 6.0 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991519314 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 15.0 | | | |
| Final Level After Pumping: | | 30.0 | | | |
| Recommended Pump Depth: | | 30.0 | | | |
| Pumping Rate: | | 50.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 10.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 2 | | | |
| Water State After Test: | | CLOUDY | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934652124 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 30.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934382708 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 30.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934107972 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 30.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934901792 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 30.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933476260 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 39.0 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|---|----------------------------|------------------|---------------------------|--------------------------------|
| Water Found Depth UOM: | | ft | | | |
| 8 | 4 of 4 | NW/111.2 | 92.9 / -0.64 | lot 2 con A ON | WWIS |
| Well ID: | 1519491 | | | Data Entry Status: | |
| Construction Date: | | | | Data Src: | 1 |
| Primary Water Use: | Domestic | | | Date Received: | 2/7/1985 |
| Sec. Water Use: | 0 | | | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 3644 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |
| PDF URL (Map): | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519491.pdf | | | | |
| <u>Additional Detail(s) (Map)</u> | | | | | |
| Well Completed Date: | 1984/11/08 | | | | |
| Year Completed: | 1984 | | | | |
| Depth (m): | 50.292 | | | | |
| Latitude: | 45.2245104095878 | | | | |
| Longitude: | -75.687458219684 | | | | |
| Path: | 151\1519491.pdf | | | | |
| <u>Bore Hole Information</u> | | | | | |
| Bore Hole ID: | 10041361 | | | Elevation: | |
| DP2BR: | | | | Elevrc: | |
| Spatial Status: | | | | Zone: | 18 |
| Code OB: | | | | East83: | 446029.80 |
| Code OB Desc: | | | | North83: | 5008121.00 |
| Open Hole: | | | | Org CS: | |
| Cluster Kind: | | | | UTMRC: | 4 |
| Date Completed: | 08-Nov-1984 00:00:00 | | | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | | | Location Method: | p4 |
| Elevrc Desc: | | | | | |
| Location Source Date: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Source Revision Comment: | | | | | |
| Supplier Comment: | | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931041846 | | | | |
| Layer: | 2 | | | | |
| Color: | 2 | | | | |
| General Color: | GREY | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Mat1: | | 14 | | | |
| Most Common Material: | | HARDPAN | | | |
| Mat2: | | 05 | | | |
| Mat2 Desc: | | CLAY | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 18.0 | | | |
| Formation End Depth: | | 37.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931041847 | | | |
| Layer: | | 3 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 37.0 | | | |
| Formation End Depth: | | 140.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931041848 | | | |
| Layer: | | 4 | | | |
| Color: | | 1 | | | |
| General Color: | | WHITE | | | |
| Mat1: | | 18 | | | |
| Most Common Material: | | SANDSTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 140.0 | | | |
| Formation End Depth: | | 165.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931041845 | | | |
| Layer: | | 1 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 18.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well</u> | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Use</u> | | | | | |
| Method Construction ID: | | 961519491 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10589931 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930072217 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 39.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930072218 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 165.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991519491 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 10.0 | | | |
| Final Level After Pumping: | | 80.0 | | | |
| Recommended Pump Depth: | | 80.0 | | | |
| Pumping Rate: | | 15.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 10.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 2 | | | |
| Water State After Test: | | CLOUDY | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934653277 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| Test Level: | | 80.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934109124 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 80.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934383298 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 80.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934894039 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 80.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933476495 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 145.0 | | | |
| Water Found Depth UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933476496 | | | |
| Layer: | | 2 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 160.0 | | | |
| Water Found Depth UOM: | | ft | | | |

| | | | | | |
|------------------------|--------------|----------|--------------|--------------------|----------------------|
| <u>9</u> | 1 of 1 | SE/112.0 | 89.8 / -3.73 | lot 2 con A ON | WWIS |
| Well ID: | 1515427 | | | Data Entry Status: | |
| Construction Date: | | | | Data Src: | 1 |
| Primary Water Use: | Domestic | | | Date Received: | 7/8/1976 |
| Sec. Water Use: | 0 | | | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 3644 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------|-------------------|----------------------------|------------------|------------------|-----|
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1515427.pdf

Additional Detail(s) (Map)

Well Completed Date: 1976/02/09
Year Completed: 1976
Depth (m): 16.4592
Latitude: 45.222726961382
Longitude: -75.6861502530177
Path: 151\1515427.pdf

Bore Hole Information

| | | | |
|------------------------------|----------------------|------------------|---------------------------------|
| Bore Hole ID: | 10037374 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446130.80 |
| Code OB Desc: | | North83: | 5007922.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 5 |
| Date Completed: | 09-Feb-1976 00:00:00 | UTMRC Desc: | margin of error : 100 m - 300 m |
| Remarks: | | Location Method: | p5 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock

Materials Interval

Formation ID: 931029154
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931029155
Layer: 2
Color: 2
General Color: GREY
Mat1: 15

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 4.0 | | | |
| Formation End Depth: | | 54.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961515427 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10585944 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930065978 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 25.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991515427 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 8.0 | | | |
| Final Level After Pumping: | | 30.0 | | | |
| Recommended Pump Depth: | | 30.0 | | | |
| Pumping Rate: | | 10.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 10.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 2 | | | |
| Water State After Test: | | CLOUDY | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934646845 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 30.0 | | | |
| Test Level UOM: | | ft | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Draw Down & Recovery

Pump Test Detail ID: 934376970
Test Type: Draw Down
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895553
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934100906
Test Type: Draw Down
Test Duration: 15
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933471517
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 50.0
Water Found Depth UOM: ft

| | | | | | |
|--------------------|--------|----------|--------------|-------------------|------|
| 10 | 1 of 3 | NE/113.6 | 87.8 / -5.73 | lot 2 con A ON | WWIS |
|--------------------|--------|----------|--------------|-------------------|------|

| | |
|--|---|
| Well ID: 1517078 | Data Entry Status: |
| Construction Date: | Data Src: 1 |
| Primary Water Use: Domestic | Date Received: 8/13/1979 |
| Sec. Water Use: 0 | Selected Flag: TRUE |
| Final Well Status: Water Supply | Abandonment Rec: |
| Water Type: | Contractor: 1558 |
| Casing Material: | Form Version: 1 |
| Audit No: | Owner: |
| Tag: | Street Name: |
| Construction Method: | County: OTTAWA |
| Elevation (m): | Municipality: NORTH GOWER TOWNSHIP |
| Elevation Reliability: | Site Info: |
| Depth to Bedrock: | Lot: 002 |
| Well Depth: | Concession: A |
| Overburden/Bedrock: | Concession Name: CON |
| Pump Rate: | Easting NAD83: |
| Static Water Level: | Northing NAD83: |
| Flowing (Y/N): | Zone: |
| Flow Rate: | UTM Reliability: |
| Clear/Cloudy: | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517078.pdf

Additional Detail(s) (Map)

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Well Completed Date: 1979/06/22
Year Completed: 1979
Depth (m): 15.24
Latitude: 45.2245180692445
Longitude: -75.6861845377447
Path: 151\1517078.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10038958 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446129.80 |
| Code OB Desc: | | North83: | 5008121.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 22-Jun-1979 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock

Materials Interval

Formation ID: 931034079
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 3.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931034078
Layer: 1
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Method of Construction & Well

Use

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Method Construction ID: | | 961517078 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10587528 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930068320 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 50.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930068319 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 22.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991517078 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 10.0 | | | |
| Final Level After Pumping: | | 25.0 | | | |
| Recommended Pump Depth: | | 40.0 | | | |
| Pumping Rate: | | 50.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934901600 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 25.0 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934102615 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 25.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934382616 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 25.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934643701 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 25.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933473487 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 45.0 | | | |
| Water Found Depth UOM: | | ft | | | |

| | | | | | |
|-------------------------------|--------|---|--------------|---|------|
| 10 | 2 of 3 | NE/113.6 | 87.8 / -5.73 | lot 2 con A ON | WWIS |
| Well ID: | | 1517735 | | Data Entry Status: | |
| Construction Date: | | | | Data Src: 1 | |
| Primary Water Use: | | Commerical | | Date Received: 3/3/1982 | |
| Sec. Water Use: | | 0 | | Selected Flag: TRUE | |
| Final Well Status: | | Water Supply | | Abandonment Rec: | |
| Water Type: | | | | Contractor: 1558 | |
| Casing Material: | | | | Form Version: 1 | |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: OTTAWA | |
| Elevation (m): | | | | Municipality: NORTH GOWER TOWNSHIP | |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: 002 | |
| Well Depth: | | | | Concession: A | |
| Overburden/Bedrock: | | | | Concession Name: CON | |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |
| PDF URL (Map): | | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517735.pdf | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Additional Detail(s) (Map)

Well Completed Date: 1981/10/14
Year Completed: 1981
Depth (m): 42.672
Latitude: 45.2245180692445
Longitude: -75.6861845377447
Path: 151\1517735.pdf

Bore Hole Information

| | | | |
|------------------------------|----------------------|------------------|--------------------------------|
| Bore Hole ID: | 10039607 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446129.80 |
| Code OB Desc: | | North83: | 5008121.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 14-Oct-1981 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock

Materials Interval

Formation ID: 931036157
Layer: 1
Color:
General Color:
Mat1: 24
Most Common Material: PREV. DRILLED
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 100.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931036158
Layer: 2
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2: 74
Mat2 Desc: LAYERED
Mat3:
Mat3 Desc:
Formation Top Depth: 100.0
Formation End Depth: 140.0
Formation End Depth UOM: ft

Method of Construction & Well

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|---|--------------------------|--------------------------------|----------------------|-------------|-----------|
| <u>Use</u> | | | | | |
| <i>Method Construction ID:</i> | | 961517735 | | | |
| <i>Method Construction Code:</i> | | 5 | | | |
| <i>Method Construction:</i> | | Air Percussion | | | |
| <i>Other Method Construction:</i> | | | | | |
| <u>Pipe Information</u> | | | | | |
| <i>Pipe ID:</i> | | 10588177 | | | |
| <i>Casing No:</i> | | 1 | | | |
| <i>Comment:</i> | | | | | |
| <i>Alt Name:</i> | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| <i>Casing ID:</i> | | 930069230 | | | |
| <i>Layer:</i> | | 1 | | | |
| <i>Material:</i> | | 4 | | | |
| <i>Open Hole or Material:</i> | | OPEN HOLE | | | |
| <i>Depth From:</i> | | | | | |
| <i>Depth To:</i> | | 140.0 | | | |
| <i>Casing Diameter:</i> | | 6.0 | | | |
| <i>Casing Diameter UOM:</i> | | inch | | | |
| <i>Casing Depth UOM:</i> | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| <i>Pump Test ID:</i> | | 991517735 | | | |
| <i>Pump Set At:</i> | | | | | |
| <i>Static Level:</i> | | 20.0 | | | |
| <i>Final Level After Pumping:</i> | | 25.0 | | | |
| <i>Recommended Pump Depth:</i> | | 60.0 | | | |
| <i>Pumping Rate:</i> | | 75.0 | | | |
| <i>Flowing Rate:</i> | | | | | |
| <i>Recommended Pump Rate:</i> | | 5.0 | | | |
| <i>Levels UOM:</i> | | ft | | | |
| <i>Rate UOM:</i> | | GPM | | | |
| <i>Water State After Test Code:</i> | | 1 | | | |
| <i>Water State After Test:</i> | | CLEAR | | | |
| <i>Pumping Test Method:</i> | | 1 | | | |
| <i>Pumping Duration HR:</i> | | 1 | | | |
| <i>Pumping Duration MIN:</i> | | 0 | | | |
| <i>Flowing:</i> | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| <i>Pump Test Detail ID:</i> | | 934895678 | | | |
| <i>Test Type:</i> | | Draw Down | | | |
| <i>Test Duration:</i> | | 60 | | | |
| <i>Test Level:</i> | | 25.0 | | | |
| <i>Test Level UOM:</i> | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| <i>Pump Test Detail ID:</i> | | 934102947 | | | |
| <i>Test Type:</i> | | Draw Down | | | |
| <i>Test Duration:</i> | | 15 | | | |
| <i>Test Level:</i> | | 25.0 | | | |
| <i>Test Level UOM:</i> | | ft | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Draw Down & Recovery

Pump Test Detail ID: 934376567
Test Type: Draw Down
Test Duration: 30
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934646403
Test Type: Draw Down
Test Duration: 45
Test Level: 25.0
Test Level UOM: ft

Water Details

Water ID: 933474266
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 138.0
Water Found Depth UOM: ft

10 3 of 3 **NE/113.6** **87.8 / -5.73** **lot 2 con A
ON** **WWIS**

| | |
|--|---|
| Well ID: 1518928 | Data Entry Status: |
| Construction Date: | Data Src: 1 |
| Primary Water Use: Domestic | Date Received: 5/2/1984 |
| Sec. Water Use: 0 | Selected Flag: TRUE |
| Final Well Status: Water Supply | Abandonment Rec: |
| Water Type: | Contractor: 1558 |
| Casing Material: | Form Version: 1 |
| Audit No: | Owner: |
| Tag: | Street Name: |
| Construction Method: | County: OTTAWA |
| Elevation (m): | Municipality: NORTH GOWER TOWNSHIP |
| Elevation Reliability: | Site Info: |
| Depth to Bedrock: | Lot: 002 |
| Well Depth: | Concession: A |
| Overburden/Bedrock: | Concession Name: CON |
| Pump Rate: | Easting NAD83: |
| Static Water Level: | Northing NAD83: |
| Flowing (Y/N): | Zone: |
| Flow Rate: | UTM Reliability: |
| Clear/Cloudy: | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518928.pdf

Additional Detail(s) (Map)

Well Completed Date: 1984/03/21
Year Completed: 1984
Depth (m): 22.86
Latitude: 45.2245180692445
Longitude: -75.6861845377447
Path: 151\1518928.pdf

Bore Hole Information

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------------|----------------------|----------------------------|------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10040798 | | | Elevation: | |
| DP2BR: | | | | Elevrc: | |
| Spatial Status: | | | | Zone: | 18 |
| Code OB: | | | | East83: | 446129.80 |
| Code OB Desc: | | | | North83: | 5008121.00 |
| Open Hole: | | | | Org CS: | |
| Cluster Kind: | | | | UTMRC: | 4 |
| Date Completed: | 21-Mar-1984 00:00:00 | | | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | | | Location Method: | p4 |
| Elevrc Desc: | | | | | |
| Location Source Date: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Source Revision Comment: | | | | | |
| Supplier Comment: | | | | | |

Overburden and Bedrock

Materials Interval

Formation ID: 931040051
Layer: 4
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 41.0
Formation End Depth: 51.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931040050
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 23.0
Formation End Depth: 41.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931040049
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Formation Top Depth: | | 14.0 | | | |
| Formation End Depth: | | 23.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931040052 | | | |
| Layer: | | 5 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | 78 | | | |
| Mat2 Desc: | | MEDIUM-GRAINED | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 51.0 | | | |
| Formation End Depth: | | 75.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931040048 | | | |
| Layer: | | 1 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | 79 | | | |
| Mat2 Desc: | | PACKED | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 14.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961518928 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10589368 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930071216 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 53.0 | | | |
| Casing Diameter: | | 6.0 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930071217 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 75.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991518928 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 12.0 | | | |
| Final Level After Pumping: | | 35.0 | | | |
| Recommended Pump Depth: | | 50.0 | | | |
| Pumping Rate: | | 15.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 2 | | | |
| Water State After Test: | | CLOUDY | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934106332 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 35.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934381073 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 35.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934651049 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 35.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934900582 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|--|------------------|--|-----|
| Test Type: Test Duration: Test Level: Test Level UOM: | | Draw Down 60 35.0 ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM: | | 933475771 1 1 FRESH 69.0 ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM: | | 933475772 2 1 FRESH 72.0 ft | | | |
| 11 | 1 of 6 | NNE/117.8 | 87.8 / -5.73 | GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED 1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5 | PES |
| Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: PDF Site Location: | | Limited Vendor 23 | | Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name: | |
| 11 | 2 of 6 | NNE/117.8 | 87.8 / -5.73 | GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED 1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5 | PES |
| Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: | | Vendor | | Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|----------------------------|------------------|--|----|
| Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: PDF Site Location: | | | | Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name: | |

| | | | | | |
|--|--------|---|--------------|----------------------------------|------|
| 11 | 3 of 6 | NNE/117.8 | 87.8 / -5.73 | 1168 MAPLE STREET MANOTICK ON | HINC |
| External File Num: Fuel Occurrence Type: Date of Occurrence: Fuel Type Involved: Status Desc: Job Type Desc: Oper. Type Involved: Service Interruptions: Property Damage: Fuel Life Cycle Stage: Root Cause: Reported Details: Fuel Category: Occurrence Type: Affiliation: County Name: Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact: | | FS INC 0611-04142 Pipeline Strike 10/31/2006 Natural Gas Completed - Causal Analysis(End) Incident/Near-Miss Occurrence (FS) Construction Site (excluding pipeline strike) Yes Yes Utilization Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:Yes Management:No Human Factors:Yes | | | |

| | | | | | |
|---|--------|-----------|--------------|--|-----|
| 11 | 4 of 6 | NNE/117.8 | 87.8 / -5.73 | GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED 1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5 | PES |
| Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: PDF Site Location: | Vendor | | | Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------|--------------------------------|----------------------------|------------------|---|-----------|
| 11 | 5 of 6 | NNE/117.8 | 87.8 / -5.73 | GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED 1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5 | PES |
| Detail Licence No: | 23-01-13552-0 | | | Operator Box: | |
| Licence No: | | | | Operator Class: | |
| Status: | | | | Operator No: | |
| Approval Date: | | | | Operator Type: | |
| Report Source: | | | | Oper Area Code: | |
| Licence Type: | LIMITED | | | Oper Phone No: | |
| Licence Type Code: | | | | Operator Ext: | |
| Licence Class: | | | | Operator Lot: | |
| Licence Control: | | | | Oper Concession: | |
| Latitude: | | | | Operator Region: | |
| Longitude: | | | | Operator District: | |
| Lot: | | | | Operator County: | |
| Concession: | | | | Op Municipality: | |
| Region: | | | | Post Office Box: | |
| District: | | | | MOE District: | |
| County: | | | | SWP Area Name: | |
| Trade Name: | | | | | |
| PDF Link: | | | | | |
| PDF Site Location: | | | | | |
| 11 | 6 of 6 | NNE/117.8 | 87.8 / -5.73 | GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED 1168 MAPLE ST, BOX 534 MANOTICK ON K4M1A5 | PES |
| Detail Licence No: | | | | Operator Box: | |
| Licence No: | 13552 | | | Operator Class: | |
| Status: | | | | Operator No: | |
| Approval Date: | | | | Operator Type: | |
| Report Source: | Legacy Licenses (Excluding TS) | | | Oper Area Code: | 613 |
| Licence Type: | Limited Vendor | | | Oper Phone No: | 6924766 |
| Licence Type Code: | 23 | | | Operator Ext: | |
| Licence Class: | 01 | | | Operator Lot: | |
| Licence Control: | | | | Oper Concession: | |
| Latitude: | | | | Operator Region: | |
| Longitude: | | | | Operator District: | |
| Lot: | | | | Operator County: | |
| Concession: | | | | Op Municipality: | |
| Region: | | | | Post Office Box: | |
| District: | | | | MOE District: | |
| County: | | | | SWP Area Name: | |
| Trade Name: | | | | | |
| PDF Link: | | | | | |
| PDF Site Location: | | | | | |
| 12 | 1 of 1 | NNE/121.4 | 88.9 / -4.64 | lot 2 con A ON | WWIS |
| Well ID: | 1510575 | | | Data Entry Status: | |
| Construction Date: | | | | Data Src: | 1 |
| Primary Water Use: | Commerical | | | Date Received: | 5/25/1970 |
| Sec. Water Use: | 0 | | | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 3002 |
| Casing Material: | | | | Form Version: | 1 |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|----------------------------|------------------|-------------------------|----------------------|
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510575.pdf

Additional Detail(s) (Map)

Well Completed Date: 1970/04/22
Year Completed: 1970
Depth (m): 14.6304
Latitude: 45.2246606297953
Longitude: -75.6864282705782
Path: 151\1510575.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10032602 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446110.80 |
| Code OB Desc: | | North83: | 5008137.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 22-Apr-1970 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

**Overburden and Bedrock
Materials Interval**

Formation ID: 931015270
Layer: 1
Color:
General Color:
Mat1: 23
Most Common Material: PREVIOUSLY DUG
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Formation ID: | | 931015271 | | | |
| Layer: | | 2 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 5.0 | | | |
| Formation End Depth: | | 48.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961510575 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10581172 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930057780 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 20.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930057781 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 48.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991510575 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 8.0 | | | |
| Final Level After Pumping: | | 20.0 | | | |
| Recommended Pump Depth: | | 30.0 | | | |
| Pumping Rate: | | 40.0 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 40.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 12 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934898580 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 20.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934641099 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 19.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934097204 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 17.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934379522 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 19.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933465599 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 40.0 | | | |
| Water Found Depth UOM: | | ft | | | |

| | | | | | |
|---------------------------|--------|--------------|-------------|---------------------------------|------|
| 13 | 1 of 1 | W/123.3 | 98.0 / 4.44 | lot 2 con A ON | WWIS |
| Well ID: | | 1511320 | | Data Entry Status: | |
| Construction Date: | | | | Data Src: 1 | |
| Primary Water Use: | | Domestic | | Date Received: 8/19/1971 | |
| Sec. Water Use: | | 0 | | Selected Flag: TRUE | |
| Final Well Status: | | Water Supply | | Abandonment Rec: | |
| Water Type: | | | | Contractor: 1558 | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|----------------------------|------------------|-------------------------|----------------------|
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511320.pdf

Additional Detail(s) (Map)

Well Completed Date: 1971/07/30
Year Completed: 1971
Depth (m): 27.1272
Latitude: 45.2237936594982
Longitude: -75.6883921617718
Path: 151\1511320.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10033316 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 445955.80 |
| Code OB Desc: | | North83: | 5008042.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 30-Jul-1971 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

**Overburden and Bedrock
Materials Interval**

Formation ID: 931017338
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 10.0
Formation End Depth: 56.0
Formation End Depth UOM: ft

Overburden and Bedrock

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931017337 | | | |
| Layer: | | 1 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | 09 | | | |
| Mat2 Desc: | | MEDIUM SAND | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 10.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931017339 | | | |
| Layer: | | 3 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 56.0 | | | |
| Formation End Depth: | | 89.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961511320 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10581886 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930059135 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 59.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Casing ID: | | 930059136 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 89.0 | | | |
| Casing Diameter: | | | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991511320 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 55.0 | | | |
| Final Level After Pumping: | | 80.0 | | | |
| Recommended Pump Depth: | | 80.0 | | | |
| Pumping Rate: | | 10.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | | | | |
| Water State After Test: | | | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934643411 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 80.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934381833 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 80.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934097013 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 80.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934900194 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 80.0 | | | |
| Test Level UOM: | | ft | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|----------------------------|---------------------|--|------------|
| <u>Water Details</u> | | | | | |
| Water ID: | | 933466436 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 87.0 | | | |
| Water Found Depth UOM: | | ft | | | |
| <u>14</u> | 1 of 9 | ENE/142.5 | 87.8 / -5.73 | BARRHAVEN INDEPENDENT 1165 JOHN ST MANOTICK ON K4M | SCT |
| Established: | | 0000 | | | |
| Plant Size (ft²): | | 0 | | | |
| Employment: | | 10 | | | |
| --Details-- | | | | | |
| Description: | | Newspaper Publishers | | | |
| SIC/NAICS Code: | | 511110 | | | |
| <u>14</u> | 2 of 9 | ENE/142.5 | 87.8 / -5.73 | MANOTICK MESSENGER INC. 1165 JOHN ST MANOTICK ON K4M 1A5 | SCT |
| Established: | | 0000 | | | |
| Plant Size (ft²): | | 0 | | | |
| Employment: | | 0 | | | |
| --Details-- | | | | | |
| Description: | | Newspaper Publishers | | | |
| SIC/NAICS Code: | | 511110 | | | |
| Description: | | Periodical Publishers | | | |
| SIC/NAICS Code: | | 511120 | | | |
| <u>14</u> | 3 of 9 | ENE/142.5 | 87.8 / -5.73 | MANOTICK PRINTING SERVICES 1165 JOHN ST MANOTICK ON K4M 1A5 | SCT |
| Established: | | 0000 | | | |
| Plant Size (ft²): | | 0 | | | |
| Employment: | | 0 | | | |
| --Details-- | | | | | |
| Description: | | Quick Printing | | | |
| SIC/NAICS Code: | | 323114 | | | |
| Description: | | Digital Printing | | | |
| SIC/NAICS Code: | | 323115 | | | |
| Description: | | Other Printing | | | |
| SIC/NAICS Code: | | 323119 | | | |
| <u>14</u> | 4 of 9 | ENE/142.5 | 87.8 / -5.73 | IMPLO-TEC RESEARCH CANADA INC. 1165 John St Manotick ON K4M 1A2 | SCT |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|-------------------|----------------------------|---------------------|--|------------|
| <i>Established:</i> | | 1994 | | | |
| <i>Plant Size (ft²):</i> | | 0 | | | |
| <i>Employment:</i> | | 3 | | | |
| --Details-- | | | | | |
| <i>Description:</i> | | Explosives Manufacturing | | | |
| <i>SIC/NAICS Code:</i> | | 325920 | | | |
| 14 | 5 of 9 | ENE/142.5 | 87.8 / -5.73 | Barrhaven Independent 1165 Beaverwood Crs Manotick ON K4M 1A5 | SCT |
| <i>Established:</i> | | 8/1/1989 | | | |
| <i>Plant Size (ft²):</i> | | | | | |
| <i>Employment:</i> | | | | | |
| --Details-- | | | | | |
| <i>Description:</i> | | Quick Printing | | | |
| <i>SIC/NAICS Code:</i> | | 323114 | | | |
| <i>Description:</i> | | Other Printing | | | |
| <i>SIC/NAICS Code:</i> | | 323119 | | | |
| <i>Description:</i> | | Newspaper Publishers | | | |
| <i>SIC/NAICS Code:</i> | | 511110 | | | |
| <i>Description:</i> | | Graphic Design Services | | | |
| <i>SIC/NAICS Code:</i> | | 541430 | | | |
| <i>Description:</i> | | Digital Printing | | | |
| <i>SIC/NAICS Code:</i> | | 323115 | | | |
| 14 | 6 of 9 | ENE/142.5 | 87.8 / -5.73 | Manotick Printing Services 1165 Beaverwood Rd Manotick ON K4M 1A5 | SCT |
| <i>Established:</i> | | 01-AUG-89 | | | |
| <i>Plant Size (ft²):</i> | | | | | |
| <i>Employment:</i> | | | | | |
| --Details-- | | | | | |
| <i>Description:</i> | | Other Printing | | | |
| <i>SIC/NAICS Code:</i> | | 323119 | | | |
| <i>Description:</i> | | Digital Printing | | | |
| <i>SIC/NAICS Code:</i> | | 323115 | | | |
| <i>Description:</i> | | Quick Printing | | | |
| <i>SIC/NAICS Code:</i> | | 323114 | | | |
| 14 | 7 of 9 | ENE/142.5 | 87.8 / -5.73 | Manotick Messenger Inc. 1165 Beaverwood Rd Manotick ON K4M 1A5 | SCT |
| <i>Established:</i> | | 01-AUG-89 | | | |
| <i>Plant Size (ft²):</i> | | | | | |
| <i>Employment:</i> | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

--Details--

Description: Quick Printing
SIC/NAICS Code: 323114

Description: Digital Printing
SIC/NAICS Code: 323115

Description: Support Activities for Printing
SIC/NAICS Code: 323120

Description: Newspaper Publishers
SIC/NAICS Code: 511110

Description: Other Printing
SIC/NAICS Code: 323119

| | | | | | |
|--------------------|--------|------------------|---------------------|---|------------|
| 14 | 8 of 9 | ENE/142.5 | 87.8 / -5.73 | Manotick Messenger Inc. - 1165 Beaverwood Rd Manotick ON K4M 1A5 | SCT |
|--------------------|--------|------------------|---------------------|---|------------|

Established: 01-AUG-89
Plant Size (ft²):
Employment:

--Details--

Description: Digital Printing
SIC/NAICS Code: 323115

Description: Graphic Design Services
SIC/NAICS Code: 541430

Description: Newspaper Publishers
SIC/NAICS Code: 511110

Description: Other Printing
SIC/NAICS Code: 323119

Description: Quick Printing
SIC/NAICS Code: 323114

| | | | | | |
|--------------------|--------|------------------|---------------------|--|------------|
| 14 | 9 of 9 | ENE/142.5 | 87.8 / -5.73 | 1165 Beaverwood Road Ottawa Ontario Manotick ON K4M 1L6 | EHS |
|--------------------|--------|------------------|---------------------|--|------------|

| | |
|--|--------------------------------|
| Order No: 20191021027 | Nearest Intersection: |
| Status: C | Municipality: |
| Report Type: Standard Report | Client Prov/State: ON |
| Report Date: 24-OCT-19 | Search Radius (km): .25 |
| Date Received: 21-OCT-19 | X: -75.685252 |
| Previous Site Name: | Y: 45.224224 |
| Lot/Building Size: | |
| Additional Info Ordered: Fire Insur. Maps and/or Site Plans | |

| | | | | | |
|--------------------|--------|------------------|--------------------|---------------------------|-------------|
| 15 | 1 of 1 | WSW/143.7 | 96.2 / 2.69 | lot 2 con A ON | WWIS |
|--------------------|--------|------------------|--------------------|---------------------------|-------------|

| | |
|------------------------------------|---------------------------------|
| Well ID: 1511819 | Data Entry Status: |
| Construction Date: | Data Src: 1 |
| Primary Water Use: Domestic | Date Received: 8/18/1972 |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|----------------------------|------------------|-------------------------|----------------------|
| Sec. Water Use: | 0 | | | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 3644 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511819.pdf

Additional Detail(s) (Map)

Well Completed Date: 1972/07/17
Year Completed: 1972
Depth (m): 25.6032
Latitude: 45.2230728179252
Longitude: -75.6885108361765
Path: 151\1511819.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10033813 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 445945.80 |
| Code OB Desc: | | North83: | 5007962.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 17-Jul-1972 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock

Materials Interval

Formation ID: 931018803
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 34.0
Formation End Depth UOM: ft

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931018804 | | | |
| Layer: | | 2 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 34.0 | | | |
| Formation End Depth: | | 84.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961511819 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10582383 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930060064 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 37.0 | | | |
| Casing Diameter: | | 5.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930060065 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 84.0 | | | |
| Casing Diameter: | | | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991511819 | | | |
| Pump Set At: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| Static Level: | | 21.0 | | | |
| Final Level After Pumping: | | 50.0 | | | |
| Recommended Pump Depth: | | 50.0 | | | |
| Pumping Rate: | | 20.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 10.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 2 | | | |
| Water State After Test: | | CLOUDY | | | |
| Pumping Test Method: | | 2 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934894266 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 50.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934098467 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 42.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934645552 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 50.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934383978 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 50.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933467091 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 84.0 | | | |
| Water Found Depth UOM: | | ft | | | |

[16](#)

1 of 1

NNW/144.1

90.1 / -3.43

lot 1 con A
ON

WWIS

Well ID: 1506590
Construction Date:

Data Entry Status:
Data Src: 1

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|----------------------------|------------------|-------------------------|----------------------|
| Primary Water Use: | Public | | | Date Received: | 10/25/1963 |
| Sec. Water Use: | 0 | | | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 4216 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 001 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506590.pdf

Additional Detail(s) (Map)

Well Completed Date: 1963/10/03
Year Completed: 1963
Depth (m): 41.148
Latitude: 45.2248810571337
Longitude: -75.6871951928801
Path: 150\1506590.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|---------------------------------|
| Bore Hole ID: | 10028626 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446050.80 |
| Code OB Desc: | | North83: | 5008162.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 5 |
| Date Completed: | 03-Oct-1963 00:00:00 | UTMRC Desc: | margin of error : 100 m - 300 m |
| Remarks: | | Location Method: | p5 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

**Overburden and Bedrock
Materials Interval**

Formation ID: 931004924
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 32.0
Formation End Depth: 135.0

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931004923 | | | |
| Layer: | | 1 | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | 13 | | | |
| Mat2 Desc: | | BOULDERS | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 32.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961506590 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10577196 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930049982 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 35.0 | | | |
| Casing Diameter: | | 4.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930049983 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 35.0 | | | |
| Casing Diameter: | | 4.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991506590 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|----------------------------|------------------|--|-----|
| Pump Set At: Static Level: 25.0 Final Level After Pumping: 45.0 Recommended Pump Depth: 75.0 Pumping Rate: 10.0 Flowing Rate: Recommended Pump Rate: 4.0 Levels UOM: ft Rate UOM: GPM Water State After Test Code: 1 Water State After Test: CLEAR Pumping Test Method: 1 Pumping Duration HR: 2 Pumping Duration MIN: 0 Flowing: No | | | | | |
| <u>Water Details</u> | | | | | |
| Water ID: 933460751 Layer: 1 Kind Code: 3 Kind: SULPHUR Water Found Depth: 110.0 Water Found Depth UOM: ft | | | | | |
| 17 | 1 of 2 | E/145.0 | 87.9 / -5.67 | ROBINSON'S FOODMARKETS INC. 1160 JOHN STREET MANOTICK ON K4M 1A3 | PES |
| Detail Licence No: 23-01-10715-0 Licence No: 10715 Status: Approval Date: Report Source: Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: 01 Licence Control: 0 Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: PDF Site Location: | | | | | |
| Operator Box: 517 Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: 4 Operator District: 2 Operator County: 15 Op Municipality: Post Office Box: MOE District: SWP Area Name: | | | | | |
| 17 | 2 of 2 | E/145.0 | 87.9 / -5.67 | PROVIGO DISTRIBUTION INC./ MANOTICK MEWS IND. GROCER 1160 JOHN STREET, BOX 517 MANOTICK ON K4M1A5 | PES |
| Detail Licence No: 23-01-11586-0 Licence No: 11586 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: 01 | | | | | |
| Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 519 Oper Phone No: Operator Ext: Operator Lot: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|--|----------------------------|------------------|--|------|
| Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: PDF Site Location: | 0 | | | Oper Concession: Operator Region: 4 Operator District: 2 Operator County: 15 Op Municipality: Post Office Box: MOE District: SWP Area Name: | |
| 18 | 1 of 2 | SE/145.1 | 89.9 / -3.64 | City of Ottawa Ottawa ON K1J 1A6 | ECA |
| Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location: | 0176-5VSPB5 2004-04-27 Approved ECA IDS Rideau Valley ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS City of Ottawa | | | MOE District: Ottawa City: Longitude: -75.6859 Latitude: 45.222485 Geometry X: Geometry Y: | |
| 18 | 2 of 2 | SE/145.1 | 89.9 / -3.64 | City of Ottawa Ottawa ON | ECA |
| Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location: | 0931-5LGSQC 2003-04-29 Approved ECA IDS Rideau Valley ECA-AIR AIR City of Ottawa | | | MOE District: Ottawa City: Longitude: -75.6859 Latitude: 45.222485 Geometry X: Geometry Y: | |
| 19 | 1 of 1 | W/148.5 | 96.8 / 3.31 | lot 2 con A ON | WWIS |
| Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: | 1511745 Domestic 0 Water Supply | | | Data Entry Status: Data Src: 1 Date Received: 5/10/1972 Selected Flag: TRUE Abandonment Rec: Contractor: 1517 Form Version: 1 Owner: Street Name: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|----------------------------|------------------|-------------------------|----------------------|
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511745.pdf

Additional Detail(s) (Map)

Well Completed Date: 1972/04/21
Year Completed: 1972
Depth (m): 25.2984
Latitude: 45.2233686964587
Longitude: -75.6887054700269
Path: 151\1511745.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|-------------|
| Bore Hole ID: | 10033739 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 445930.80 |
| Code OB Desc: | | North83: | 5007995.00 |
| Open Hole: | | Org CS: | 9 |
| Cluster Kind: | | UTMRC: | unknown UTM |
| Date Completed: | 21-Apr-1972 00:00:00 | UTMRC Desc: | |
| Remarks: | | Location Method: | p9 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock

Materials Interval

Formation ID: 931018614
Layer: 2
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 36.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931018615

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Layer: | | 3 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 36.0 | | | |
| Formation End Depth: | | 83.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931018613 | | | |
| Layer: | | 1 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 02 | | | |
| Most Common Material: | | TOPSOIL | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 12.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961511745 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10582309 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930059940 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 36.0 | | | |
| Casing Diameter: | | 5.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991511745 | | | |
| Pump Set At: | | | | | |
| Static Level: | | -35.0 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------------|-------------------|----------------------------|------------------|------|----|
| Final Level After Pumping: | | 45.0 | | | |
| Recommended Pump Depth: | | 60.0 | | | |
| Pumping Rate: | | 10.0 | | | |
| Flowing Rate: | | 10.0 | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 2 | | | |
| Water State After Test: | | CLOUDY | | | |
| Pumping Test Method: | | 2 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | Yes | | | |

Draw Down & Recovery

Pump Test Detail ID: 934894201
Test Type: Draw Down
Test Duration: 60
Test Level: 45.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934098395
Test Type: Draw Down
Test Duration: 15
Test Level: 43.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934382937
Test Type: Draw Down
Test Duration: 30
Test Level: 44.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934645071
Test Type: Draw Down
Test Duration: 45
Test Level: 45.0
Test Level UOM: ft

Water Details

Water ID: 933467002
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 81.0
Water Found Depth UOM: ft

| | | | | | |
|---------------------------|----------|---------|--------------|---------------------------|-----------|
| 20 | 1 of 1 | N/152.5 | 90.1 / -3.43 | lot 2 con A ON | WWIS |
| Well ID: | 1510653 | | | Data Entry Status: | |
| Construction Date: | | | | Data Src: | 1 |
| Primary Water Use: | Domestic | | | Date Received: | 7/21/1970 |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|------------------------|-------------------|-------------------------|---------------|-------------------------|----------------------|
| Sec. Water Use: | 0 | | | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 1558 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510653.pdf

Additional Detail(s) (Map)

Well Completed Date: 1970/06/23
Year Completed: 1970
Depth (m): 27.7368
Latitude: 45.224971832678
Longitude: -75.6870689081648
Path: 151\1510653.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10032679 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446060.80 |
| Code OB Desc: | | North83: | 5008172.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 23-Jun-1970 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock

Materials Interval

Formation ID: 931015475
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 0.0
Formation End Depth: 19.0
Formation End Depth UOM: ft

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931015476 | | | |
| Layer: | | 2 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 14 | | | |
| Most Common Material: | | HARDPAN | | | |
| Mat2: | | 13 | | | |
| Mat2 Desc: | | BOULDERS | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 19.0 | | | |
| Formation End Depth: | | 35.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931015477 | | | |
| Layer: | | 3 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 35.0 | | | |
| Formation End Depth: | | 91.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961510653 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10581249 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930057931 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 91.0 | | | |
| Casing Diameter: | | | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | | 930057930 | | |
| Layer: | | | 1 | | |
| Material: | | | 1 | | |
| Open Hole or Material: | | | STEEL | | |
| Depth From: | | | | | |
| Depth To: | | | 40.0 | | |
| Casing Diameter: | | | 5.0 | | |
| Casing Diameter UOM: | | | inch | | |
| Casing Depth UOM: | | | ft | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | | 991510653 | | |
| Pump Set At: | | | | | |
| Static Level: | | | 35.0 | | |
| Final Level After Pumping: | | | 45.0 | | |
| Recommended Pump Depth: | | | | | |
| Pumping Rate: | | | 10.0 | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | | | | |
| Levels UOM: | | | ft | | |
| Rate UOM: | | | GPM | | |
| Water State After Test Code: | | | 2 | | |
| Water State After Test: | | | CLOUDY | | |
| Pumping Test Method: | | | 2 | | |
| Pumping Duration HR: | | | 1 | | |
| Pumping Duration MIN: | | | 0 | | |
| Flowing: | | | No | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | | 934897939 | | |
| Test Type: | | | Draw Down | | |
| Test Duration: | | | 60 | | |
| Test Level: | | | 45.0 | | |
| Test Level UOM: | | | ft | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | | 934097259 | | |
| Test Type: | | | Draw Down | | |
| Test Duration: | | | 15 | | |
| Test Level: | | | 45.0 | | |
| Test Level UOM: | | | ft | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | | 934379577 | | |
| Test Type: | | | Draw Down | | |
| Test Duration: | | | 30 | | |
| Test Level: | | | 45.0 | | |
| Test Level UOM: | | | ft | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | | 934641153 | | |
| Test Type: | | | Draw Down | | |
| Test Duration: | | | 45 | | |
| Test Level: | | | 45.0 | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------------|-------------------|----------------------------|------------------|------|----|
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | 933465685 | | | | |
| Layer: | 1 | | | | |
| Kind Code: | 1 | | | | |
| Kind: | FRESH | | | | |
| Water Found Depth: | 90.0 | | | | |
| Water Found Depth UOM: | ft | | | | |

| | | | | | |
|-------------------------------|--------------|-----------|--------------|---------------------------|----------------------|
| 21 | 1 of 1 | NNW/158.6 | 91.8 / -1.69 | lot 2 con A ON | WWIS |
| Well ID: | 1516267 | | | Data Entry Status: | |
| Construction Date: | | | | Data Src: | 1 |
| Primary Water Use: | Domestic | | | Date Received: | 11/17/1977 |
| Sec. Water Use: | 0 | | | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 1558 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516267.pdf

Additional Detail(s) (Map)

Well Completed Date: 1977/10/15
Year Completed: 1977
Depth (m): 22.2504
Latitude: 45.2249695332957
Longitude: -75.6874510157693
Path: 151\1516267.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|---------------------------------|
| Bore Hole ID: | 10038197 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446030.80 |
| Code OB Desc: | | North83: | 5008172.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 5 |
| Date Completed: | 15-Oct-1977 00:00:00 | UTMRC Desc: | margin of error : 100 m - 300 m |
| Remarks: | | Location Method: | p5 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |

Supplier Comment:

**Overburden and Bedrock
Materials Interval**

Formation ID: 931031629
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 1.0
Formation End Depth: 33.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931031630
Layer: 3
Color: 8
General Color: BLACK
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 33.0
Formation End Depth: 73.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931031628
Layer: 1
Color: 7
General Color: RED
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961516267
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Pipe ID: | | 10586767 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930067198 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 36.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930067199 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 73.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991516267 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 30.0 | | | |
| Final Level After Pumping: | | 60.0 | | | |
| Recommended Pump Depth: | | 60.0 | | | |
| Pumping Rate: | | 10.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934101778 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 60.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934640913 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| Test Level: | | 60.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934898815 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 60.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934379821 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 60.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933472543 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 70.0 | | | |
| Water Found Depth UOM: | | ft | | | |

| | | | | | |
|--------------------|--------|---------|-------------|-------------------|------|
| 22 | 1 of 1 | W/161.0 | 96.2 / 2.66 | lot 2 con A ON | WWIS |
|--------------------|--------|---------|-------------|-------------------|------|

| | | | |
|-------------------------------|--------------|---------------------------|----------------------|
| Well ID: | 1511375 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Domestic | Date Received: | 9/10/1971 |
| Sec. Water Use: | 0 | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | Abandonment Rec: | |
| Water Type: | | Contractor: | 1558 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | OTTAWA |
| Elevation (m): | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | 002 |
| Well Depth: | | Concession: | A |
| Overburden/Bedrock: | | Concession Name: | CON |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511375.pdf

Additional Detail(s) (Map)

| | |
|-----------------------------|-------------------|
| Well Completed Date: | 1971/08/26 |
| Year Completed: | 1971 |
| Depth (m): | 26.5176 |
| Latitude: | 45.2232509163497 |
| Longitude: | -75.6888314224938 |
| Path: | 151\1511375.pdf |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10033371 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 445920.80 |
| Code OB Desc: | | North83: | 5007982.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 26-Aug-1971 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock

Materials Interval

| | |
|---------------------------------|-----------|
| Formation ID: | 931017531 |
| Layer: | 3 |
| Color: | 2 |
| General Color: | GREY |
| Mat1: | 14 |
| Most Common Material: | HARDPAN |
| Mat2: | 13 |
| Mat2 Desc: | BOULDERS |
| Mat3: | |
| Mat3 Desc: | |
| Formation Top Depth: | 22.0 |
| Formation End Depth: | 34.0 |
| Formation End Depth UOM: | ft |

Overburden and Bedrock

Materials Interval

| | |
|---------------------------------|-------------|
| Formation ID: | 931017529 |
| Layer: | 1 |
| Color: | 6 |
| General Color: | BROWN |
| Mat1: | 05 |
| Most Common Material: | CLAY |
| Mat2: | 09 |
| Mat2 Desc: | MEDIUM SAND |
| Mat3: | 13 |
| Mat3 Desc: | BOULDERS |
| Formation Top Depth: | 0.0 |
| Formation End Depth: | 13.0 |
| Formation End Depth UOM: | ft |

Overburden and Bedrock

Materials Interval

| | |
|------------------------------|-------------|
| Formation ID: | 931017530 |
| Layer: | 2 |
| Color: | 6 |
| General Color: | BROWN |
| Mat1: | 09 |
| Most Common Material: | MEDIUM SAND |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Mat2: | | 11 | | | |
| Mat2 Desc: | | GRAVEL | | | |
| Mat3: | | 05 | | | |
| Mat3 Desc: | | CLAY | | | |
| Formation Top Depth: | | 13.0 | | | |
| Formation End Depth: | | 22.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931017532 | | | |
| Layer: | | 4 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 34.0 | | | |
| Formation End Depth: | | 87.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961511375 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10581941 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930059245 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 36.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930059246 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 87.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991511375 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 18.0 | | | |
| Final Level After Pumping: | | 75.0 | | | |
| Recommended Pump Depth: | | 75.0 | | | |
| Pumping Rate: | | 6.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 6.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934097066 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 75.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934382303 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 75.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934643882 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 75.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934900247 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 75.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933466507 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 85.0 | | | |
| Water Found Depth UOM: | | ft | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------|---|----------------------|---------------------------------|------|-----------------|---------|---------------------------|--|---------------------------|--|------------------|---|---------------------------|----------|-----------------------|----------|------------------------|---|-----------------------|------|---------------------------|--------------|-------------------------|--|--------------------|--|--------------------|------|-------------------------|--|----------------------|---|------------------|--|---------------|--|-------------|--|---------------------|--|-----------------------------|--|----------------|--------|-----------------------|--|----------------------|----------------------|-------------------------------|--|-------------------|--|--------------------------|--|-------------|-----|--------------------|--|--------------------|---|----------------------------|--|-------------------------|-----|-------------------|--|-----------------------|--|----------------------------|--|------------------------|--|-----------------------|--|--------------|--|-------------------|--|-------------------------|--|----------------------|--|--|--|
| 23 | 1 of 1 | NNW/163.8 | 89.5 / -4.01 | lot 2 con A ON | WWIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td>Well ID:</td> <td>1506586</td> <td>Data Entry Status:</td> <td></td> </tr> <tr> <td>Construction Date:</td> <td></td> <td>Data Src:</td> <td>1</td> </tr> <tr> <td>Primary Water Use:</td> <td>Domestic</td> <td>Date Received:</td> <td>9/7/1960</td> </tr> <tr> <td>Sec. Water Use:</td> <td>0</td> <td>Selected Flag:</td> <td>TRUE</td> </tr> <tr> <td>Final Well Status:</td> <td>Water Supply</td> <td>Abandonment Rec:</td> <td></td> </tr> <tr> <td>Water Type:</td> <td></td> <td>Contractor:</td> <td>3601</td> </tr> <tr> <td>Casing Material:</td> <td></td> <td>Form Version:</td> <td>1</td> </tr> <tr> <td>Audit No:</td> <td></td> <td>Owner:</td> <td></td> </tr> <tr> <td>Tag:</td> <td></td> <td>Street Name:</td> <td></td> </tr> <tr> <td>Construction Method:</td> <td></td> <td>County:</td> <td>OTTAWA</td> </tr> <tr> <td>Elevation (m):</td> <td></td> <td>Municipality:</td> <td>NORTH GOWER TOWNSHIP</td> </tr> <tr> <td>Elevation Reliability:</td> <td></td> <td>Site Info:</td> <td></td> </tr> <tr> <td>Depth to Bedrock:</td> <td></td> <td>Lot:</td> <td>002</td> </tr> <tr> <td>Well Depth:</td> <td></td> <td>Concession:</td> <td>A</td> </tr> <tr> <td>Overburden/Bedrock:</td> <td></td> <td>Concession Name:</td> <td>CON</td> </tr> <tr> <td>Pump Rate:</td> <td></td> <td>Easting NAD83:</td> <td></td> </tr> <tr> <td>Static Water Level:</td> <td></td> <td>Northing NAD83:</td> <td></td> </tr> <tr> <td>Flowing (Y/N):</td> <td></td> <td>Zone:</td> <td></td> </tr> <tr> <td>Flow Rate:</td> <td></td> <td>UTM Reliability:</td> <td></td> </tr> <tr> <td>Clear/Cloudy:</td> <td></td> <td></td> <td></td> </tr> </table> | | | | | | Well ID: | 1506586 | Data Entry Status: | | Construction Date: | | Data Src: | 1 | Primary Water Use: | Domestic | Date Received: | 9/7/1960 | Sec. Water Use: | 0 | Selected Flag: | TRUE | Final Well Status: | Water Supply | Abandonment Rec: | | Water Type: | | Contractor: | 3601 | Casing Material: | | Form Version: | 1 | Audit No: | | Owner: | | Tag: | | Street Name: | | Construction Method: | | County: | OTTAWA | Elevation (m): | | Municipality: | NORTH GOWER TOWNSHIP | Elevation Reliability: | | Site Info: | | Depth to Bedrock: | | Lot: | 002 | Well Depth: | | Concession: | A | Overburden/Bedrock: | | Concession Name: | CON | Pump Rate: | | Easting NAD83: | | Static Water Level: | | Northing NAD83: | | Flowing (Y/N): | | Zone: | | Flow Rate: | | UTM Reliability: | | Clear/Cloudy: | | | |
| Well ID: | 1506586 | Data Entry Status: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Date: | | Data Src: | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Primary Water Use: | Domestic | Date Received: | 9/7/1960 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sec. Water Use: | 0 | Selected Flag: | TRUE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Final Well Status: | Water Supply | Abandonment Rec: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Type: | | Contractor: | 3601 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Casing Material: | | Form Version: | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Audit No: | | Owner: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag: | | Street Name: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Method: | | County: | OTTAWA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation (m): | | Municipality: | NORTH GOWER TOWNSHIP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation Reliability: | | Site Info: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth to Bedrock: | | Lot: | 002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Well Depth: | | Concession: | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Overburden/Bedrock: | | Concession Name: | CON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pump Rate: | | Easting NAD83: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Static Water Level: | | Northing NAD83: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flowing (Y/N): | | Zone: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flow Rate: | | UTM Reliability: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear/Cloudy: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PDF URL (Map): | | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506586.pdf | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Additional Detail(s) (Map)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Well Completed Date: | | 1960/08/01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Year Completed: | | 1960 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (m): | | 28.6512 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Latitude: | | 45.2250610755834 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Longitude: | | -75.6871973618679 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Path: | | 150\1506586.pdf | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Bore Hole Information</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bore Hole ID: | | 10028622 | | Elevation: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DP2BR: | | | | Elevrc: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spatial Status: | | | | Zone: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code OB: | | | | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code OB Desc: | | | | East83: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Open Hole: | | | | 446050.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cluster Kind: | | | | North83: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date Completed: | | 01-Aug-1960 00:00:00 | | 5008182.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: | | | | Org CS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevrc Desc: | | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location Source Date: | | | | UTMRC Desc: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Improvement Location Source: | | | | margin of error : 100 m - 300 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Improvement Location Method: | | | | Location Method: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Revision Comment: | | | | p5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Supplier Comment: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Overburden and Bedrock</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Materials Interval</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Formation ID: | | 931004912 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Layer: | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Color: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| General Color: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mat1: | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Most Common Material: | | | | | |
| Mat2: | | BOULDERS | | | |
| Mat2 Desc: | | 02 | | | |
| Mat3: | | TOPSOIL | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 36.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931004913 | | | |
| Layer: | | 2 | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | | 11 | | | |
| Most Common Material: | | GRAVEL | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 36.0 | | | |
| Formation End Depth: | | 42.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931004914 | | | |
| Layer: | | 3 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 42.0 | | | |
| Formation End Depth: | | 94.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well</u> | | | | | |
| <u>Use</u> | | | | | |
| Method Construction ID: | | 961506586 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10577192 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930049975 | | | |
| Layer: | | 2 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|----------------------------|------------------|------|----|
| Material: | | | | | |
| | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 94.0 | | | |
| Casing Diameter: | | 5.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930049974 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 42.0 | | | |
| Casing Diameter: | | 5.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991506586 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 34.0 | | | |
| Final Level After Pumping: | | 40.0 | | | |
| Recommended Pump Depth: | | 65.0 | | | |
| Pumping Rate: | | 3.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 3.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933460746 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 94.0 | | | |
| Water Found Depth UOM: | | ft | | | |

| | | | | | |
|----------------------------|--------|----------------|-------------|---------------------------------|------|
| 24 | 1 of 1 | W/166.8 | 97.9 / 4.36 | ON | BORE |
| Borehole ID: | | 611793 | | Inclin FLG: No | |
| OGF ID: | | 215513106 | | SP Status: Initial Entry | |
| Status: | | | | Surv Elev: No | |
| Type: | | Borehole | | Piezometer: No | |
| Use: | | | | Primary Name: | |
| Completion Date: | | JUL-1972 | | Municipality: | |
| Static Water Level: | | | | Lot: | |
| Primary Water Use: | | | | Township: | |
| Sec. Water Use: | | | | Latitude DD: 45.2237 | |
| Total Depth m: | | 25.6 | | Longitude DD: -75.688965 | |
| Depth Ref: | | Ground Surface | | UTM Zone: 18 | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|----------------------------|------------------|---|------|
| Depth Elev: Drill Method: Orig Ground Elev m: 94.5 Elev Reliabil Note: DEM Ground Elev m: 97.7 Concession: Location D: Survey D: Comments: | | | | Easting: 445911 Northing: 5008032 Location Accuracy: Accuracy: Not Applicable | |
| <u>Borehole Geology Stratum</u> | | | | | |
| Geology Stratum ID: 218389220 Top Depth: 0 Bottom Depth: 10.4 Material Color: Grey Material 1: Clay Material 2: Boulders Material 3: Material 4: Gsc Material Description: Stratum Description: CLAY,BOULDERS. GREY. | | | | Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: | |
| Geology Stratum ID: 218389221 Top Depth: 10.4 Bottom Depth: 25.6 Material Color: Grey Material 1: Limestone Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: LIMESTONE. GREY. 00084STONE. GREY. 00149. L. GREY. 00075TY = 18000. BED **Note: Many records provided by the department have a truncated [Stratum Description] field. | | | | Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: | |
| <u>Source</u> | | | | | |
| Source Type: Data Survey Source Orig: Geological Survey of Canada Source Date: 1956-1972 Confidence: Observatio: Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA1.txt RecordID: 04301 NTS_Sheet: Confiden 1: | | | | Source Appl: Spatial/Tabular Source Iden: 1 Scale or Res: Varies Horizontal: NAD27 Verticalda: Mean Average Sea Level | |
| <u>Source List</u> | | | | | |
| Source Identifier: 1 Source Type: Data Survey Source Date: 1956-1972 Scale or Resolution: Varies Source Name: Urban Geology Automated Information System (UGAIS) Source Originators: Geological Survey of Canada | | | | Horizontal Datum: NAD27 Vertical Datum: Mean Average Sea Level Projection Name: Universal Transverse Mercator | |
| 25 | 1 of 1 | W/168.7 | 97.9 / 4.36 | lot 2 con A ON | WWIS |
| Well ID: 1512263 Construction Date: Primary Water Use: Domestic Sec. Water Use: 0 | | | | Data Entry Status: Data Src: 1 Date Received: 1/11/1973 Selected Flag: TRUE | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|-------------------------|---------------|-------------------------|----------------------|
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 1517 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512263.pdf

Additional Detail(s) (Map)

Well Completed Date: 1972/11/09
Year Completed: 1972
Depth (m): 24.384
Latitude: 45.2237000404921
Longitude: -75.6889896971885
Path: 151\1512263.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|-------------|
| Bore Hole ID: | 10034255 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 445908.80 |
| Code OB Desc: | | North83: | 5008032.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 9 |
| Date Completed: | 09-Nov-1972 00:00:00 | UTMRC Desc: | unknown UTM |
| Remarks: | | Location Method: | p9 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock

Materials Interval

Formation ID: 931020153
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 39.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931020152 | | | |
| Layer: | | 1 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 14 | | | |
| Most Common Material: | | HARDPAN | | | |
| Mat2: | | 12 | | | |
| Mat2 Desc: | | STONES | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 39.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961512263 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10582825 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930060748 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 39.0 | | | |
| Casing Diameter: | | 5.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991512263 | | | |
| Pump Set At: | | | | | |
| Static Level: | | -20.0 | | | |
| Final Level After Pumping: | | 40.0 | | | |
| Recommended Pump Depth: | | 60.0 | | | |
| Pumping Rate: | | 10.0 | | | |
| Flowing Rate: | | 10.0 | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 2 | | | |
| Water State After Test: | | CLOUDY | | | |
| Pumping Test Method: | | 2 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | Yes | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934647229 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 35.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934895386 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 40.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934376900 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 30.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934097918 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 25.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933467659 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 80.0 | | | |
| Water Found Depth UOM: | | ft | | | |

26 1 of 1 **SE/177.0** **89.9 / -3.64** **ON** **WWIS**

| | | | |
|-------------------------------|---------|---------------------------|----------------------|
| Well ID: | 7373237 | Data Entry Status: | Yes |
| Construction Date: | | Data Src: | |
| Primary Water Use: | | Date Received: | 11/23/2020 |
| Sec. Water Use: | | Selected Flag: | TRUE |
| Final Well Status: | | Abandonment Rec: | |
| Water Type: | | Contractor: | 1844 |
| Casing Material: | | Form Version: | 7 |
| Audit No: | Z340904 | Owner: | |
| Tag: | A267575 | Street Name: | |
| Construction Method: | | County: | OTTAWA |
| Elevation (m): | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | |
| Well Depth: | | Concession: | |
| Overburden/Bedrock: | | Concession Name: | |
| Pump Rate: | | Easting NAD83: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|---|------------------|---|----|
| Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: | | | | Northing NAD83: Zone: UTM Reliability: | |
| <u>Bore Hole Information</u> | | | | | |
| Bore Hole ID: 1008509989 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 08-Jul-2019 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: | | Elevation: Elevrc: Zone: 18 East83: 446152.00 North83: 5007860.00 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr | | | |

| | | | | | |
|---|---------|---|--------------|--|-------------|
| 27 | 1 of 11 | SSE/178.4 | 89.9 / -3.64 | SHAHRAM BAKHTIARI 5572 DOCTOR LEACH DR,,OTTAWA,ON,K4M 1C8,CA ON | PINC |
| Incident ID: Incident No: 1773222 Incident Reported Dt: 12/16/2015 Type: FS-Pipeline Incident Status Code: Tank Status: Pipeline Damage Reason Est Task No: 5977992 Spills Action Centre: Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: 2015/12/16 Depth: Customer Acct Name: SHAHRAM BAKHTIARI Incident Address: 5572 DOCTOR LEACH DR,,OTTAWA,ON,K4M 1C8,CA Operation Type: Pipeline Type: Regulator Type: Summary: 5572 DOCTOR LEACH DRIVE, OTTAWA - PIPELINE HIT - 1" Reported By: Peter O' Gorman - ENBRIDGE Affiliation: Occurrence Desc: Damage Reason: Excavation practices not sufficient Notes: | | Pipe Material: Fuel Category: Natural Gas Health Impact: Environment Impact: Property Damage: Yes Service Interrupt: Enforce Policy: Yes Public Relation: Pipeline System: PSIG: Attribute Category: FS-Perform P-line Inc Invest Regulator Location: Method Details: E-mail | | | |

| | | | | | |
|--|---------|--|--------------|--|------------|
| 27 | 2 of 11 | SSE/178.4 | 89.9 / -3.64 | 5572 Doctor Leach Drive, Manotick Ottawa ON K4M 1C8 | SPL |
| Ref No: 4041-A58RMQ Site No: NA Incident Dt: 12/15/2015 Year: Incident Cause: Incident Event: | | Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Miscellaneous Communal Agency Involved: | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|------------------------------|--|-------------------------|---------------|------------------------------|--|
| Contaminant Code: | 35 | | | Nearest Watercourse: | |
| Contaminant Name: | NATURAL GAS (METHANE) | | | Site Address: | 5572 Doctor Leach Drive, Manotick |
| Contaminant Limit 1: | | | | Site District Office: | |
| Contam Limit Freq 1: | | | | Site Postal Code: | K4M 1C8 |
| Contaminant UN No 1: | | | | Site Region: | |
| Environment Impact: | | | | Site Municipality: | Ottawa |
| Nature of Impact: | | | | Site Lot: | |
| Receiving Medium: | | | | Site Conc: | |
| Receiving Env: | | | | Northing: | |
| MOE Response: | No | | | Easting: | |
| Dt MOE Arvl on Scn: | | | | Site Geo Ref Accu: | |
| MOE Reported Dt: | 12/15/2015 | | | Site Map Datum: | |
| Dt Document Closed: | | | | SAC Action Class: | TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill |
| Incident Reason: | Operator/Human Error | | | Source Type: | |
| Site Name: | Manotick Arena & Community Centre<UNOFFICIAL> | | | | |
| Site County/District: | | | | | |
| Site Geo Ref Meth: | | | | | |
| Incident Summary: | TSSA - Enbridge, 1 inch plastic line damage, made safe | | | | |
| Contaminant Qty: | 0 other - see incident description | | | | |

| | | | | | |
|--------------------|---------|-----------|--------------|---|-----|
| 27 | 3 of 11 | SSE/178.4 | 89.9 / -3.64 | City of Ottawa 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | GEN |
|--------------------|---------|-----------|--------------|---|-----|

| | | | |
|-------------------------|-----------|---------------------------|-------------------|
| Generator No: | ON7586787 | Status: | |
| SIC Code: | 913910 | Co Admin: | Barry W Reaney |
| SIC Description: | 913910 | Choice of Contact: | CO_ADMIN |
| Approval Years: | 2016 | Phone No Admin: | 613-692-4772 Ext. |
| PO Box No: | | Contam. Facility: | No |
| Country: | Canada | MHSW Facility: | No |

Detail(s)

| | |
|--------------------------|--------------------------------|
| Waste Class: | 252 |
| Waste Class Desc: | WASTE OILS & LUBRICANTS |
| Waste Class: | 251 |
| Waste Class Desc: | OIL SKIMMINGS & SLUDGES |
| Waste Class: | 112 |
| Waste Class Desc: | ACID WASTE - HEAVY METALS |
| Waste Class: | 145 |
| Waste Class Desc: | PAINT/PIGMENT/COATING RESIDUES |

| | | | | | |
|--------------------|---------|-----------|--------------|---|-----|
| 27 | 4 of 11 | SSE/178.4 | 89.9 / -3.64 | City of Ottawa 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | GEN |
|--------------------|---------|-----------|--------------|---|-----|

| | | | |
|-------------------------|-----------|---------------------------|-------------------|
| Generator No: | ON7586787 | Status: | |
| SIC Code: | 913910 | Co Admin: | Barry W Reaney |
| SIC Description: | 913910 | Choice of Contact: | CO_ADMIN |
| Approval Years: | 2015 | Phone No Admin: | 613-692-4772 Ext. |
| PO Box No: | | Contam. Facility: | No |
| Country: | Canada | MHSW Facility: | No |

Detail(s)

| | |
|--------------------------|---------------------------|
| Waste Class: | 112 |
| Waste Class Desc: | ACID WASTE - HEAVY METALS |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|-------------------|--|------------------|---|-------------------|
| Waste Class: | | 251 | | | |
| Waste Class Desc: | | OIL SKIMMINGS & SLUDGES | | | |
| Waste Class: | | 252 | | | |
| Waste Class Desc: | | WASTE OILS & LUBRICANTS | | | |
| Waste Class: | | 145 | | | |
| Waste Class Desc: | | PAINT/PIGMENT/COATING RESIDUES | | | |
| 27 | 5 of 11 | SSE/178.4 | 89.9 / -3.64 | City of Ottawa 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | GEN |
| Generator No: | ON7586787 | | | Status: | |
| SIC Code: | 913910 | | | Co Admin: | Barry W Reaney |
| SIC Description: | 913910 | | | Choice of Contact: | CO_ADMIN |
| Approval Years: | 2014 | | | Phone No Admin: | 613-692-4772 Ext. |
| PO Box No: | | | | Contam. Facility: | No |
| Country: | Canada | | | MHSW Facility: | No |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 252 | | | |
| Waste Class Desc: | | WASTE OILS & LUBRICANTS | | | |
| Waste Class: | | 251 | | | |
| Waste Class Desc: | | OIL SKIMMINGS & SLUDGES | | | |
| Waste Class: | | 145 | | | |
| Waste Class Desc: | | PAINT/PIGMENT/COATING RESIDUES | | | |
| Waste Class: | | 112 | | | |
| Waste Class Desc: | | ACID WASTE - HEAVY METALS | | | |
| 27 | 6 of 11 | SSE/178.4 | 89.9 / -3.64 | City of Ottawa 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | GEN |
| Generator No: | ON7586787 | | | Status: | Registered |
| SIC Code: | | | | Co Admin: | |
| SIC Description: | | | | Choice of Contact: | |
| Approval Years: | As of Dec 2018 | | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | Canada | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | | 112 C | | | |
| Waste Class Desc: | | Acid solutions - containing heavy metals | | | |
| Waste Class: | | 145 H | | | |
| Waste Class Desc: | | Wastes from the use of pigments, coatings and paints | | | |
| Waste Class: | | 145 L | | | |
| Waste Class Desc: | | Wastes from the use of pigments, coatings and paints | | | |
| Waste Class: | | 251 L | | | |
| Waste Class Desc: | | Waste oils/sludges (petroleum based) | | | |
| Waste Class: | | 252 L | | | |
| Waste Class Desc: | | Waste crankcase oils and lubricants | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|--|----------------------------|------------------|---|-----|
| 27 | 7 of 11 | SSE/178.4 | 89.9 / -3.64 | Rideau Elevator Services Inc. 5572 DR LEACH DRIVE MANOTICK ON K4M 1C8 | GEN |
| Generator No: | ON4519756 | | | Status: Registered | |
| SIC Code: | | | | Co Admin: | |
| SIC Description: | | | | Choice of Contact: | |
| Approval Years: | As of Dec 2017 | | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | Canada | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | 251 L | | | | |
| Waste Class Desc: | Waste oils/sludges (petroleum based) | | | | |
| 27 | 8 of 11 | SSE/178.4 | 89.9 / -3.64 | City of Ottawa 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | GEN |
| Generator No: | ON7586787 | | | Status: Registered | |
| SIC Code: | | | | Co Admin: | |
| SIC Description: | | | | Choice of Contact: | |
| Approval Years: | As of Jul 2020 | | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | Canada | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | 112 C | | | | |
| Waste Class Desc: | Acid solutions - containing heavy metals | | | | |
| Waste Class: | 251 L | | | | |
| Waste Class Desc: | Waste oils/sludges (petroleum based) | | | | |
| Waste Class: | 145 H | | | | |
| Waste Class Desc: | Wastes from the use of pigments, coatings and paints | | | | |
| Waste Class: | 252 L | | | | |
| Waste Class Desc: | Waste crankcase oils and lubricants | | | | |
| Waste Class: | 145 L | | | | |
| Waste Class Desc: | Wastes from the use of pigments, coatings and paints | | | | |
| 27 | 9 of 11 | SSE/178.4 | 89.9 / -3.64 | City of Ottawa 5572 Dr Leach Dr Manotick ON K4M 1C8 | GEN |
| Generator No: | ON7572788 | | | Status: Registered | |
| SIC Code: | | | | Co Admin: | |
| SIC Description: | | | | Choice of Contact: | |
| Approval Years: | As of Jul 2020 | | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | Canada | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | 221 L | | | | |
| Waste Class Desc: | Light fuels | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------|--|----------------------------|------------------|---|------|
| 27 | 10 of 11 | SSE/178.4 | 89.9 / -3.64 | City of Ottawa 5572 Dr. Leach Drive Ottawa ON K4M 1C8 | GEN |
| Generator No: | ON7586787 | | | Status: Registered | |
| SIC Code: | | | | Co Admin: | |
| SIC Description: | | | | Choice of Contact: | |
| Approval Years: | As of Nov 2021 | | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | Canada | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | 252 L | | | | |
| Waste Class Desc: | Waste crankcase oils and lubricants | | | | |
| Waste Class: | 331 I | | | | |
| Waste Class Desc: | Waste compressed gases including cylinders | | | | |
| Waste Class: | 148 C | | | | |
| Waste Class Desc: | Misc. wastes and inorganic chemicals | | | | |
| Waste Class: | 263 I | | | | |
| Waste Class Desc: | Misc. waste organic chemicals | | | | |
| Waste Class: | 112 C | | | | |
| Waste Class Desc: | Acid solutions - containing heavy metals | | | | |
| Waste Class: | 145 L | | | | |
| Waste Class Desc: | Wastes from the use of pigments, coatings and paints | | | | |
| Waste Class: | 269 L | | | | |
| Waste Class Desc: | Organic non-halogenated pesticide and herbicide wastes | | | | |
| Waste Class: | 251 L | | | | |
| Waste Class Desc: | Waste oils/sludges (petroleum based) | | | | |
| Waste Class: | 263 L | | | | |
| Waste Class Desc: | Misc. waste organic chemicals | | | | |
| Waste Class: | 145 H | | | | |
| Waste Class Desc: | Wastes from the use of pigments, coatings and paints | | | | |
| 27 | 11 of 11 | SSE/178.4 | 89.9 / -3.64 | City of Ottawa 5572 Dr Leach Dr Manotick ON K4M 1C8 | GEN |
| Generator No: | ON7572788 | | | Status: Registered | |
| SIC Code: | | | | Co Admin: | |
| SIC Description: | | | | Choice of Contact: | |
| Approval Years: | As of Jan 2021 | | | Phone No Admin: | |
| PO Box No: | | | | Contam. Facility: | |
| Country: | Canada | | | MHSW Facility: | |
| <u>Detail(s)</u> | | | | | |
| Waste Class: | 221 L | | | | |
| Waste Class Desc: | Light fuels | | | | |
| 28 | 1 of 1 | N/182.4 | 89.5 / -4.01 | lot 2 con A ON | WWIS |
| Well ID: | 1509945 | | | Data Entry Status: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|----------------------------|------------------|-------------------------|----------------------|
| Construction Date: | | | | Data Src: | 1 |
| Primary Water Use: | Domestic | | | Date Received: | 1/28/1969 |
| Sec. Water Use: | 0 | | | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 1703 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509945.pdf

Additional Detail(s) (Map)

Well Completed Date: 1968/09/02
Year Completed: 1968
Depth (m): 25.908
Latitude: 45.2252418603532
Longitude: -75.6870721610666
Path: 150\1509945.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10031977 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446060.80 |
| Code OB Desc: | | North83: | 5008202.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 02-Sep-1968 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

**Overburden and Bedrock
Materials Interval**

Formation ID: 931013460
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 38.0

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|--------------------------------|----------------------|-------------|-----------|
| Formation End Depth: | | 85.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931013459 | | | |
| Layer: | | 1 | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | | 13 | | | |
| Most Common Material: | | BOULDERS | | | |
| Mat2: | | 11 | | | |
| Mat2 Desc: | | GRAVEL | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 38.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961509945 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10580547 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930056577 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 85.0 | | | |
| Casing Diameter: | | 2.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930056576 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 38.0 | | | |
| Casing Diameter: | | 2.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------------|-------------------|----------------------------|------------------|------|----|
| Pump Test ID: | | 991509945 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 25.0 | | | |
| Final Level After Pumping: | | 25.0 | | | |
| Recommended Pump Depth: | | 38.0 | | | |
| Pumping Rate: | | 5.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 2 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |

Water Details

| | |
|-------------------------------|-----------|
| Water ID: | 933464864 |
| Layer: | 1 |
| Kind Code: | 1 |
| Kind: | FRESH |
| Water Found Depth: | 85.0 |
| Water Found Depth UOM: | ft |

| | | | | | |
|--------------------|--------|------------------|---------------------|---------------------------|-------------|
| 29 | 1 of 1 | ENE/182.9 | 88.9 / -4.64 | lot 2 con A ON | WWIS |
|--------------------|--------|------------------|---------------------|---------------------------|-------------|

| | | | |
|-------------------------------|--------------|---------------------------|----------------------|
| Well ID: | 1517944 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Domestic | Date Received: | 10/5/1982 |
| Sec. Water Use: | 0 | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | Abandonment Rec: | |
| Water Type: | | Contractor: | 1558 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | OTTAWA |
| Elevation (m): | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | 002 |
| Well Depth: | | Concession: | A |
| Overburden/Bedrock: | | Concession Name: | CON |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517944.pdf

Additional Detail(s) (Map)

| | |
|-----------------------------|-------------------|
| Well Completed Date: | 1982/05/27 |
| Year Completed: | 1982 |
| Depth (m): | 15.8496 |
| Latitude: | 45.2245257146985 |
| Longitude: | -75.6849108552948 |
| Path: | 151\1517944.pdf |

Bore Hole Information

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------------|----------------------|----------------------------|------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10039815 | | | Elevation: | |
| DP2BR: | | | | Elevrc: | |
| Spatial Status: | | | | Zone: | 18 |
| Code OB: | | | | East83: | 446229.80 |
| Code OB Desc: | | | | North83: | 5008121.00 |
| Open Hole: | | | | Org CS: | |
| Cluster Kind: | | | | UTMRC: | 4 |
| Date Completed: | 27-May-1982 00:00:00 | | | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | | | Location Method: | p4 |
| Elevrc Desc: | | | | | |
| Location Source Date: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Source Revision Comment: | | | | | |
| Supplier Comment: | | | | | |

Overburden and Bedrock
Materials Interval

| | |
|---------------------------------|-----------|
| Formation ID: | 931036831 |
| Layer: | 3 |
| Color: | 2 |
| General Color: | GREY |
| Mat1: | 15 |
| Most Common Material: | LIMESTONE |
| Mat2: | 90 |
| Mat2 Desc: | VERY |
| Mat3: | 73 |
| Mat3 Desc: | HARD |
| Formation Top Depth: | 38.0 |
| Formation End Depth: | 52.0 |
| Formation End Depth UOM: | ft |

Overburden and Bedrock
Materials Interval

| | |
|---------------------------------|-----------|
| Formation ID: | 931036830 |
| Layer: | 2 |
| Color: | 2 |
| General Color: | GREY |
| Mat1: | 14 |
| Most Common Material: | HARDPAN |
| Mat2: | 11 |
| Mat2 Desc: | GRAVEL |
| Mat3: | 13 |
| Mat3 Desc: | BOULDERS |
| Formation Top Depth: | 16.0 |
| Formation End Depth: | 38.0 |
| Formation End Depth UOM: | ft |

Overburden and Bedrock
Materials Interval

| | |
|------------------------------|-----------|
| Formation ID: | 931036829 |
| Layer: | 1 |
| Color: | 6 |
| General Color: | BROWN |
| Mat1: | 05 |
| Most Common Material: | CLAY |
| Mat2: | 13 |
| Mat2 Desc: | BOULDERS |
| Mat3: | 73 |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Mat3 Desc: | | HARD | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 16.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961517944 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10588385 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930069538 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 52.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930069537 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 39.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991517944 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 27.0 | | | |
| Final Level After Pumping: | | 32.0 | | | |
| Recommended Pump Depth: | | 40.0 | | | |
| Pumping Rate: | | 10.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 3 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Draw Down & Recovery

Pump Test Detail ID: 934103133
Test Type: Draw Down
Test Duration: 15
Test Level: 32.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934377183
Test Type: Draw Down
Test Duration: 30
Test Level: 32.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934647018
Test Type: Draw Down
Test Duration: 45
Test Level: 32.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934896710
Test Type: Draw Down
Test Duration: 60
Test Level: 32.0
Test Level UOM: ft

Water Details

Water ID: 933474550
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 50.0
Water Found Depth UOM: ft

30 1 of 1 **NE/189.5** **87.9 / -5.59** **lot 2** **ON** **WWIS**

| | |
|--|---|
| Well ID: 1506481 | Data Entry Status: |
| Construction Date: | Data Src: 1 |
| Primary Water Use: Commerical | Date Received: 3/7/1963 |
| Sec. Water Use: 0 | Selected Flag: TRUE |
| Final Well Status: Water Supply | Abandonment Rec: |
| Water Type: | Contractor: 3504 |
| Casing Material: | Form Version: 1 |
| Audit No: | Owner: |
| Tag: | Street Name: |
| Construction Method: | County: OTTAWA |
| Elevation (m): | Municipality: NORTH GOWER TOWNSHIP |
| Elevation Reliability: | Site Info: |
| Depth to Bedrock: | Lot: 002 |
| Well Depth: | Concession: |
| Overburden/Bedrock: | Concession Name: BF |
| Pump Rate: | Easting NAD83: |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|---|------------------------------------|--------------------------|---|---------------------------------|
| Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: | | | | Northing NAD83: Zone: UTM Reliability: | |
| PDF URL (Map): | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506481.pdf | | | | |
| <u>Additional Detail(s) (Map)</u> | | | | | |
| Well Completed Date: | 1963/02/01 | | | | |
| Year Completed: | 1963 | | | | |
| Depth (m): | 18.288 | | | | |
| Latitude: | 45.2249817818969 | | | | |
| Longitude: | -75.6854131080142 | | | | |
| Path: | 150\1506481.pdf | | | | |
| <u>Bore Hole Information</u> | | | | | |
| Bore Hole ID: | 10028517 | | | Elevation: | |
| DP2BR: | | | | Elevrc: | |
| Spatial Status: | | | | Zone: | 18 |
| Code OB: | | | | East83: | 446190.80 |
| Code OB Desc: | | | | North83: | 5008172.00 |
| Open Hole: | | | | Org CS: | |
| Cluster Kind: | | | | UTMRC: | 5 |
| Date Completed: | 01-Feb-1963 00:00:00 | | | UTMRC Desc: | margin of error : 100 m - 300 m |
| Remarks: | | | | Location Method: | p5 |
| Elevrc Desc: | | | | | |
| Location Source Date: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Source Revision Comment: | | | | | |
| Supplier Comment: | | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931004632 | | | | |
| Layer: | 1 | | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | 01 | | | | |
| Most Common Material: | FILL | | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | 0.0 | | | | |
| Formation End Depth: | 5.0 | | | | |
| Formation End Depth UOM: | ft | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931004633 | | | | |
| Layer: | 2 | | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | 15 | | | | |
| Most Common Material: | LIMESTONE | | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 5.0 | | | |
| Formation End Depth: | | 60.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961506481 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10577087 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930049776 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 22.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930049777 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 60.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991506481 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 10.0 | | | |
| Final Level After Pumping: | | 40.0 | | | |
| Recommended Pump Depth: | | 45.0 | | | |
| Pumping Rate: | | 5.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 0 | | | |
| Pumping Duration MIN: | | 30 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------------|-------------------|----------------------------|------------------|------|----|
| Flowing: | | No | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | 933460630 | | | | |
| Layer: | 1 | | | | |
| Kind Code: | 1 | | | | |
| Kind: | FRESH | | | | |
| Water Found Depth: | 55.0 | | | | |
| Water Found Depth UOM: | ft | | | | |

| | | | | | |
|--------------------------|-----------------|-----------|-------------------------|---------------------------------|-----|
| 31 | 1 of 1 | NNE/191.5 | 86.9 / -6.66 | 5528 Ann St Ottawa ON K4M1A3 | EHS |
| Order No: | 20161125034 | | Nearest Intersection: | | |
| Status: | C | | Municipality: | | |
| Report Type: | Standard Report | | Client Prov/State: ON | | |
| Report Date: | 02-DEC-16 | | Search Radius (km): .25 | | |
| Date Received: | 25-NOV-16 | | X: -75.686021 | | |
| Previous Site Name: | | | Y: 45.225231 | | |
| Lot/Building Size: | | | | | |
| Additional Info Ordered: | City Directory | | | | |

| | | | | | |
|--|---|-----------|------------------------------------|-------------------|------|
| 32 | 1 of 1 | WNW/192.1 | 99.6 / 6.05 | lot 2 con A ON | WWIS |
| Well ID: | 1510054 | | Data Entry Status: | | |
| Construction Date: | | | Data Src: 1 | | |
| Primary Water Use: | Domestic | | Date Received: 6/13/1969 | | |
| Sec. Water Use: | 0 | | Selected Flag: TRUE | | |
| Final Well Status: | Water Supply | | Abandonment Rec: | | |
| Water Type: | | | Contractor: 1503 | | |
| Casing Material: | | | Form Version: 1 | | |
| Audit No: | | | Owner: | | |
| Tag: | | | Street Name: | | |
| Construction Method: | | | County: OTTAWA | | |
| Elevation (m): | | | Municipality: NORTH GOWER TOWNSHIP | | |
| Elevation Reliability: | | | Site Info: | | |
| Depth to Bedrock: | | | Lot: 002 | | |
| Well Depth: | | | Concession: A | | |
| Overburden/Bedrock: | | | Concession Name: CON | | |
| Pump Rate: | | | Easting NAD83: | | |
| Static Water Level: | | | Northing NAD83: | | |
| Flowing (Y/N): | | | Zone: | | |
| Flow Rate: | | | UTM Reliability: | | |
| Clear/Cloudy: | | | | | |
| PDF URL (Map): | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510054.pdf | | | | |
| <u>Additional Detail(s) (Map)</u> | | | | | |
| Well Completed Date: | 1969/03/03 | | | | |
| Year Completed: | 1969 | | | | |
| Depth (m): | 35.6616 | | | | |
| Latitude: | 45.2246010545045 | | | | |
| Longitude: | -75.6888477282067 | | | | |
| Path: | 151\1510054.pdf | | | | |

| | | | | | |
|-------------------------------------|----------|--|------------|--|--|
| <u>Bore Hole Information</u> | | | | | |
| Bore Hole ID: | 10032085 | | Elevation: | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------------------|----------------------|----------------------------|------------------|-------------------------|--------------------------------|
| DP2BR: | | | | Elevrc: | |
| Spatial Status: | | | | Zone: | 18 |
| Code OB: | | | | East83: | 445920.80 |
| Code OB Desc: | | | | North83: | 5008132.00 |
| Open Hole: | | | | Org CS: | 4 |
| Cluster Kind: | | | | UTMRC: | 4 |
| Date Completed: | 03-Mar-1969 00:00:00 | | | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | | | Location Method: | p4 |
| Elevrc Desc: | | | | | |
| Location Source Date: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Source Revision Comment: | | | | | |
| Supplier Comment: | | | | | |
| | | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931013768 | | | |
| Layer: | | 2 | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | | 09 | | | |
| Most Common Material: | | MEDIUM SAND | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 35.0 | | | |
| Formation End Depth: | | 42.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| | | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931013769 | | | |
| Layer: | | 3 | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | | 14 | | | |
| Most Common Material: | | HARDPAN | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 42.0 | | | |
| Formation End Depth: | | 57.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| | | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931013770 | | | |
| Layer: | | 4 | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 57.0 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Formation End Depth: | | 117.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931013767 | | | |
| Layer: | | 1 | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | 09 | | | |
| Mat2 Desc: | | MEDIUM SAND | | | |
| Mat3: | | 13 | | | |
| Mat3 Desc: | | BOULDERS | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 35.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961510054 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10580655 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930056789 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 117.0 | | | |
| Casing Diameter: | | 5.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930056788 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 60.0 | | | |
| Casing Diameter: | | 5.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|---|------------------|--|------|
| Pump Test ID: 991510054 | | | | | |
| Pump Set At: | | | | | |
| Static Level: 40.0 | | | | | |
| Final Level After Pumping: 80.0 | | | | | |
| Recommended Pump Depth: 100.0 | | | | | |
| Pumping Rate: 10.0 | | | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: 5.0 | | | | | |
| Levels UOM: ft | | | | | |
| Rate UOM: GPM | | | | | |
| Water State After Test Code: 2 | | | | | |
| Water State After Test: CLOUDY | | | | | |
| Pumping Test Method: 1 | | | | | |
| Pumping Duration HR: 1 | | | | | |
| Pumping Duration MIN: 0 | | | | | |
| Flowing: No | | | | | |
| Water Details | | | | | |
| Water ID: 933464989 | | | | | |
| Layer: 1 | | | | | |
| Kind Code: 1 | | | | | |
| Kind: FRESH | | | | | |
| Water Found Depth: 116.0 | | | | | |
| Water Found Depth UOM: ft | | | | | |
| 33 | 1 of 2 | WSW/196.2 | 94.9 / 1.36 | Enbridge Gas Distribution Inc. 1196 Beaverwood Road Ottawa ON | SPL |
| Ref No: 3581-AZGKY7 | | Discharger Report: | | | |
| Site No: NA | | Material Group: | | | |
| Incident Dt: 2018/06/06 | | Health/Env Conseq: 2 - Minor Environment | | | |
| Year: | | Client Type: Corporation | | | |
| Incident Cause: | | Sector Type: Miscellaneous Communal | | | |
| Incident Event: Leak/Break | | Agency Involved: | | | |
| Contaminant Code: 35 | | Nearest Watercourse: | | | |
| Contaminant Name: NATURAL GAS (METHANE) | | Site Address: 1196 Beaverwood Road | | | |
| Contaminant Limit 1: | | Site District Office: Ottawa | | | |
| Contam Limit Freq 1: | | Site Postal Code: | | | |
| Contaminant UN No 1: 1075 | | Site Region: Eastern | | | |
| Environment Impact: | | Site Municipality: Ottawa | | | |
| Nature of Impact: | | Site Lot: | | | |
| Receiving Medium: | | Site Conc: | | | |
| Receiving Env: Air | | Northing: 5007998.92 | | | |
| MOE Response: No | | Easting: 445883.31 | | | |
| Dt MOE Arvl on Scn: | | Site Geo Ref Accu: | | | |
| MOE Reported Dt: 2018/06/06 | | Site Map Datum: | | | |
| Dt Document Closed: 2018/06/16 | | SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill | | | |
| Incident Reason: Operator/Human Error | | Source Type: Pipeline/Components | | | |
| Site Name: Residence<UNOFFICIAL> | | | | | |
| Site County/District: | | | | | |
| Site Geo Ref Meth: | | | | | |
| Incident Summary: TSSA FSB: 1/2 inch plastic IP line strike, made safe and repaired. | | | | | |
| Contaminant Qty: 0 other - see incident description | | | | | |
| 33 | 2 of 2 | WSW/196.2 | 94.9 / 1.36 | PIPELINE HIT 1/2" 1196 BEAVERWOOD RD,, OTTAWA, ON, K4M 1C7, CA ON | PINC |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|---|------------------|------|----|
| Incident ID: Incident No: 2321964 Incident Reported Dt: 6/7/2018 Type: FS-Pipeline Incident Status Code: Tank Status: Pipeline Damage Reason Est Task No: Spills Action Centre: Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: Depth: Customer Acct Name: PIPELINE HIT 1/2" Incident Address: 1196 BEAVERWOOD RD,,OTTAWA,ON,K4M 1C7,CA Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes: | | Pipe Material: Fuel Category: Health Impact: Environment Impact: Property Damage: Service Interrupt: Enforce Policy: Public Relation: Pipeline System: PSIG: Attribute Category: Regulator Location: Method Details: | | | |

[34](#)

1 of 1

W/203.0

98.7 / 5.14

lot 2 con A
ON

WWIS

| | | | |
|-------------------------------|--------------|---------------------------|----------------------|
| Well ID: | 1515411 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Livestock | Date Received: | 7/8/1976 |
| Sec. Water Use: | 0 | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | Abandonment Rec: | |
| Water Type: | | Contractor: | 1558 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | OTTAWA |
| Elevation (m): | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | 002 |
| Well Depth: | | Concession: | A |
| Overburden/Bedrock: | | Concession Name: | CON |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1515411.pdf

Additional Detail(s) (Map)

| | |
|-----------------------------|-------------------|
| Well Completed Date: | 1976/06/18 |
| Year Completed: | 1976 |
| Depth (m): | 45.1104 |
| Latitude: | 45.2240579252967 |
| Longitude: | -75.6893506742536 |
| Path: | 151\1515411.pdf |

Bore Hole Information

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------------|----------------------|----------------------------|------------------|-------------------------|---------------------------------|
| Bore Hole ID: | 10037359 | | | Elevation: | |
| DP2BR: | | | | Elevrc: | |
| Spatial Status: | | | | Zone: | 18 |
| Code OB: | | | | East83: | 445880.80 |
| Code OB Desc: | | | | North83: | 5008072.00 |
| Open Hole: | | | | Org CS: | |
| Cluster Kind: | | | | UTMRC: | 5 |
| Date Completed: | 18-Jun-1976 00:00:00 | | | UTMRC Desc: | margin of error : 100 m - 300 m |
| Remarks: | | | | Location Method: | p5 |
| Elevrc Desc: | | | | | |
| Location Source Date: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Source Revision Comment: | | | | | |
| Supplier Comment: | | | | | |

Overburden and Bedrock
Materials Interval

Formation ID: 931029111
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 7.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931029110
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 0.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931029112
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Formation Top Depth: | | 40.0 | | | |
| Formation End Depth: | | 148.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961515411 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10585929 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930065948 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 44.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930065949 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 148.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991515411 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 35.0 | | | |
| Final Level After Pumping: | | 50.0 | | | |
| Recommended Pump Depth: | | 70.0 | | | |
| Pumping Rate: | | 20.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|---------------------|--|------------|
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934100892 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 50.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934646831 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 50.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934376537 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 50.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934895539 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 50.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933471497 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 120.0 | | | |
| Water Found Depth UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933471498 | | | |
| Layer: | | 2 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 142.0 | | | |
| Water Found Depth UOM: | | ft | | | |
| 35 | 1 of 8 | ESE/208.3 | 88.9 / -4.64 | MANOTICK HARDWARE LIMITED 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8 | PES |

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type:

Operator Box:
Operator Class:
Operator No:
Operator Type: Vendor
Oper Area Code:
Oper Phone No:

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|-------------------------|---------------|---|----|
| Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: PDF Site Location: | | | | Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name: | |

| | | | | | |
|---|--------|--|--------------|-------------------------------------|-----|
| 35 | 2 of 8 | ESE/208.3 | 88.9 / -4.64 | 1160D Beaverwood Drive, Manotick ON | INC |
| Incident No: 441918 Incident ID: 2593728 Instance No: Status Code: Attribute Category: Causal Analysis Complete Context: FS-Incident Date of Occurrence: Time of Occurrence: Incident Created On: Instance Creation Dt: Instance Install Dt: Occur Insp Start Date: Approx Quant Rel: Tank Capacity: Fuels Occur Type: Fuel Type Involved: Enforcement Policy: Prc Escalation Req: Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Cap: Task No: Notes: Drainage System: Sub Surface Contam.: Aff Prop Use Water: Contam. Migrated: Contact Natural Env: Incident Location: 1160D Beaverwood Drive, Manotick - 1 Occurrence Narrative: 1.25" main. Operation Type Involved: Item: Item Description: Device Installed Location: | | Any Health Impact: Any Enviro Impact: Service Interrupted: Was Prop Damaged: Reside App. Type: Commer App. Type: Indus App. Type: Institut App. Type: Venting Type: Vent Conn Mater: Vent Chimney Mater: Pipeline Type: Service / Riser Distribution Pipeline Pipeline Involved: Pipe Material: Plastic Depth Ground Cover: 0.8 Regulator Location: Outside Regulator Type: Service Regulator (up to 60 psi intake) Operation Pressure: 65 Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: Liquid Prop Notes: Equipment Type: Equipment Model: Serial No: Cylinder Capacity: Cylinder Cap Units: Cylinder Mat Type: Near Body of Water: 1/4" Pipeline Hit | | | |

| | | | | | |
|--|--------|---|--------------|----------------------------------|------|
| 35 | 3 of 8 | ESE/208.3 | 88.9 / -4.64 | 1166 EASTMAN AVENUE, MANOTICK ON | PINC |
| Incident ID: 2682946 Incident No: 526546 Incident Reported Dt: Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Tank Status: RC Established | | Pipe Material: Plastic Fuel Category: Natural Gas Health Impact: No Environment Impact: No Property Damage: Yes Service Interrupt: Yes | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|------------------------------|-------------------|---|---------------|----------------------------|------------------------------|
| Task No: | 3217659 | | | Enforce Policy: | Yes |
| Spills Action Centre: | N/A | | | Public Relation: | No |
| Fuel Type: | Natural Gas | | | Pipeline System: | Transmission pipeline |
| Fuel Occurrence Tp: | Pipeline Strike | | | PSIG: | 53 |
| Date of Occurrence: | 1/13/2011 0:00 | | | Attribute Category: | FS-Perform P-line Inc Invest |
| Occurrence Start Dt: | 2011/06/13 | | | Regulator Location: | Outside |
| Depth: | 37 | | | Method Details: | E-mail |
| Customer Acct Name: | | | | | |
| Incident Address: | | | | | |
| Operation Type: | | Construction Site (pipeline strike) | | | |
| Pipeline Type: | | Service / Riser Distribution Pipeline | | | |
| Regulator Type: | | Service Regulator (up to 60 psi intake) | | | |
| Summary: | | 1166 EASTMAN AVENUE, MANOTICK - 1" PIPELINE HIT | | | |
| Reported By: | | JEFF STILES - ENBRIDGE OTTAWA | | | |
| Affiliation: | | Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) | | | |
| Occurrence Desc: | | sewer work | | | |
| Damage Reason: | | Excavation practices not sufficient | | | |
| Notes: | | Outside Dig Area | | | |

| | | | | | |
|---------------------------|--------|-----------|--------------|---|-----|
| 35 | 4 of 8 | ESE/208.3 | 88.9 / -4.64 | MANOTICK HARDWARE LIMITED 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M 1A8 | PES |
| Detail Licence No: | | | | Operator Box: | |
| Licence No: | | | | Operator Class: | |
| Status: | | | | Operator No: | |
| Approval Date: | | | | Operator Type: | |
| Report Source: | | | | Oper Area Code: | |
| Licence Type: | Vendor | | | Oper Phone No: | |
| Licence Type Code: | | | | Operator Ext: | |
| Licence Class: | | | | Operator Lot: | |
| Licence Control: | | | | Oper Concession: | |
| Latitude: | | | | Operator Region: | |
| Longitude: | | | | Operator District: | |
| Lot: | | | | Operator County: | |
| Concession: | | | | Op Municipality: | |
| Region: | | | | Post Office Box: | |
| District: | | | | MOE District: | |
| County: | | | | SWP Area Name: | |
| Trade Name: | | | | | |
| PDF Link: | | | | | |
| PDF Site Location: | | | | | |

| | | | | | |
|---------------------------|--------------------------------|-----------|--------------|--|---------|
| 35 | 5 of 8 | ESE/208.3 | 88.9 / -4.64 | 2485368 ONTARIO INC O/A MANOTICK HOME HARDWARE 1166 BEAVERWOOD RD MANOTICK ON K4M1A8 | PES |
| Detail Licence No: | | | | Operator Box: | |
| Licence No: | 17755 | | | Operator Class: | |
| Status: | | | | Operator No: | |
| Approval Date: | | | | Operator Type: | |
| Report Source: | Legacy Licenses (Excluding TS) | | | Oper Area Code: | 613 |
| Licence Type: | Limited Vendor | | | Oper Phone No: | 6923591 |
| Licence Type Code: | 23 | | | Operator Ext: | |
| Licence Class: | 01 | | | Operator Lot: | |
| Licence Control: | | | | Oper Concession: | |
| Latitude: | | | | Operator Region: | |
| Longitude: | | | | Operator District: | |
| Lot: | | | | Operator County: | |
| Concession: | | | | Op Municipality: | |
| Region: | | | | Post Office Box: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|----------------------------|------------------|---|-----|
| District: County: Trade Name: PDF Link: PDF Site Location: | | | | MOE District: SWP Area Name: | |
| 35 | 6 of 8 | ESE/208.3 | 88.9 / -4.64 | 1799598 ONTARIO LIMITED O/A MANOTICK HOME HARDWARE 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8 | PES |
| Detail Licence No: Licence No: 05505 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: 01 Licence Control: 0 Latitude: Longitude: Lot: Concession: Region: 4 District: 2 County: 15 Trade Name: PDF Link: PDF Site Location: | | | | Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 613 Oper Phone No: 6923591 Operator Ext: Operator Lot: Oper Concession: Operator Region: 4 Operator District: 2 Operator County: 15 Op Municipality: Post Office Box: MOE District: SWP Area Name: | |
| 35 | 7 of 8 | ESE/208.3 | 88.9 / -4.64 | 1799598 ONTARIO LIMITED O/A MANOTICK HOME HARDWARE 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8 | PES |
| Detail Licence No: Licence No: 05505 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: Retail Vendor Class 03 Licence Type Code: 21 Licence Class: 03 Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: PDF Site Location: | | | | Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 613 Oper Phone No: 6923591 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name: | |
| 35 | 8 of 8 | ESE/208.3 | 88.9 / -4.64 | 2485368 ONTARIO INC. 1166 Beaverwood RD Manotick ON K4M 1A8 | PES |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------|---|----------------------------|------------------|---------------------------|---------------|
| Detail Licence No: | | | | Operator Box: | |
| Licence No: | L-232-1110378933 | | | Operator Class: | |
| Status: | Active | | | Operator No: | |
| Approval Date: | 2020-11-03 | | | Operator Type: | |
| Report Source: | PEST-Limited Vendor | | | Oper Area Code: | |
| Licence Type: | Limited Vendor | | | Oper Phone No: | |
| Licence Type Code: | | | | Operator Ext: | |
| Licence Class: | | | | Operator Lot: | |
| Licence Control: | | | | Oper Concession: | |
| Latitude: | 45.22305556 | | | Operator Region: | |
| Longitude: | -75.68444444 | | | Operator District: | |
| Lot: | | | | Operator County: | |
| Concession: | | | | Op Municipality: | |
| Region: | | | | Post Office Box: | |
| District: | | | | MOE District: | Ottawa |
| County: | | | | SWP Area Name: | Rideau Valley |
| Trade Name: | | | | | |
| PDF Link: | http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2300080 | | | | |
| PDF Site Location: | | | | | |

| | | | | | |
|------------------------------|---|-----------|--------------|---|-------|
| 36 | 1 of 1 | ENE/209.4 | 89.2 / -4.34 | SERVICE STATION 5549 ANN ST., MANOTICK (N.O.S.) OSGOODE TOWNSHIP ON | SPL |
| Ref No: | 80133 | | | Discharger Report: | |
| Site No: | | | | Material Group: | |
| Incident Dt: | // | | | Health/Env Conseq: | |
| Year: | | | | Client Type: | |
| Incident Cause: | UNDERGROUND TANK LEAK | | | Sector Type: | |
| Incident Event: | | | | Agency Involved: | |
| Contaminant Code: | | | | Nearest Watercourse: | |
| Contaminant Name: | | | | Site Address: | |
| Contaminant Limit 1: | | | | Site District Office: | |
| Contam Limit Freq 1: | | | | Site Postal Code: | |
| Contaminant UN No 1: | | | | Site Region: | |
| Environment Impact: | CONFIRMED | | | Site Municipality: | 20610 |
| Nature of Impact: | Soil contamination | | | Site Lot: | |
| Receiving Medium: | LAND | | | Site Conc: | |
| Receiving Env: | | | | Northing: | |
| MOE Response: | | | | Easting: | |
| Dt MOE Arvl on Scn: | | | | Site Geo Ref Accu: | |
| MOE Reported Dt: | 12/21/1992 | | | Site Map Datum: | |
| Dt Document Closed: | | | | SAC Action Class: | |
| Incident Reason: | UNKNOWN | | | Source Type: | |
| Site Name: | | | | | |
| Site County/District: | | | | | |
| Site Geo Ref Meth: | | | | | |
| Incident Summary: | LINDSAY MCCAFFREY GENERAL MERCHANTS- CONTAMINATED SOIL DISCOVERED FUEL TANK | | | | |
| Contaminant Qty: | | | | | |

| | | | | | |
|---------------------------|--------------|----------|--------------|---------------------------|-----------|
| 37 | 1 of 1 | NE/217.6 | 88.7 / -4.84 | lot 2 ON | WWIS |
| Well ID: | 1510183 | | | Data Entry Status: | |
| Construction Date: | | | | Data Src: | 1 |
| Primary Water Use: | Domestic | | | Date Received: | 9/19/1969 |
| Sec. Water Use: | 0 | | | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 3644 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|----------------------------|------------------|-------------------------|----------------------|
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | |
| Overburden/Bedrock: | | | | Concession Name: | BF |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510183.pdf

Additional Detail(s) (Map)

Well Completed Date: 1969/08/28
Year Completed: 1969
Depth (m): 30.7848
Latitude: 45.2251633289387
Longitude: -75.6851605320199
Path: 151\1510183.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10032211 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446210.80 |
| Code OB Desc: | | North83: | 5008192.00 |
| Open Hole: | | Org CS: | 4 |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 28-Aug-1969 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock

Materials Interval

Formation ID: 931014130
Layer: 2
Color: 6
General Color: BROWN
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 21.0
Formation End Depth: 48.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931014131

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|--------------------------------|----------------------|-------------|-----------|
| Layer: | | 3 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 14 | | | |
| Most Common Material: | | HARDPAN | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 48.0 | | | |
| Formation End Depth: | | 55.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931014129 | | | |
| Layer: | | 1 | | | |
| Color: | | 6 | | | |
| General Color: | | BROWN | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | 13 | | | |
| Mat2 Desc: | | BOULDERS | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 21.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931014132 | | | |
| Layer: | | 4 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 55.0 | | | |
| Formation End Depth: | | 101.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961510183 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10580781 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930057029 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 101.0 | | | |
| Casing Diameter: | | | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930057028 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 58.0 | | | |
| Casing Diameter: | | 5.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991510183 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 50.0 | | | |
| Final Level After Pumping: | | 65.0 | | | |
| Recommended Pump Depth: | | 80.0 | | | |
| Pumping Rate: | | 10.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 10.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 2 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934378990 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 60.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934896930 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 65.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934096811 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 55.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934640010 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 65.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933465124 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 100.0 | | | |
| Water Found Depth UOM: | | ft | | | |

[38](#) 1 of 1 **WNW/218.4** **99.1 / 5.56** **lot 2 con A
ON** **WWIS**

| | | | |
|-------------------------------|--------------|---------------------------|----------------------|
| Well ID: | 1511479 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Domestic | Date Received: | 10/20/1971 |
| Sec. Water Use: | 0 | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | Abandonment Rec: | |
| Water Type: | | Contractor: | 1558 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | OTTAWA |
| Elevation (m): | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | 002 |
| Well Depth: | | Concession: | A |
| Overburden/Bedrock: | | Concession Name: | CON |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511479.pdf

Additional Detail(s) (Map)

| | |
|-----------------------------|-------------------|
| Well Completed Date: | 1971/09/02 |
| Year Completed: | 1971 |
| Depth (m): | 27.1272 |
| Latitude: | 45.2242371748348 |
| Longitude: | -75.6894802174886 |
| Path: | 151\1511479.pdf |

Bore Hole Information

| | | | |
|------------------------|----------|-------------------|----|
| Bore Hole ID: | 10033473 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------------|----------------------|----------------------------|------------------|-------------------------|--------------------------------|
| Code OB: | | | | East83: | 445870.80 |
| Code OB Desc: | | | | North83: | 5008092.00 |
| Open Hole: | | | | Org CS: | |
| Cluster Kind: | | | | UTMRC: | 4 |
| Date Completed: | 02-Sep-1971 00:00:00 | | | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | | | Location Method: | p4 |
| Elevrc Desc: | | | | | |
| Location Source Date: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Source Revision Comment: | | | | | |
| Supplier Comment: | | | | | |

Overburden and Bedrock

Materials Interval

Formation ID: 931017839
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 18.0
Formation End Depth: 34.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931017840
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 34.0
Formation End Depth: 89.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931017838
Layer: 1
Color: 6
General Color: BROWN
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|

Method of Construction & Well Use

Method Construction ID: 961511479
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10582043
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930059447
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 89.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930059446
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 36.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991511479
Pump Set At:
Static Level: 18.0
Final Level After Pumping: 70.0
Recommended Pump Depth: 70.0
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| Pump Test Detail ID: 934643982 | | | | | |
| Test Type: Draw Down | | | | | |
| Test Duration: 45 | | | | | |
| Test Level: 70.0 | | | | | |
| Test Level UOM: ft | | | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: 934383377 | | | | | |
| Test Type: Draw Down | | | | | |
| Test Duration: 30 | | | | | |
| Test Level: 70.0 | | | | | |
| Test Level UOM: ft | | | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: 934901319 | | | | | |
| Test Type: Draw Down | | | | | |
| Test Duration: 60 | | | | | |
| Test Level: 70.0 | | | | | |
| Test Level UOM: ft | | | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: 934098140 | | | | | |
| Test Type: Draw Down | | | | | |
| Test Duration: 15 | | | | | |
| Test Level: 70.0 | | | | | |
| Test Level UOM: ft | | | | | |
| <u>Water Details</u> | | | | | |
| Water ID: 933466638 | | | | | |
| Layer: 1 | | | | | |
| Kind Code: 1 | | | | | |
| Kind: FRESH | | | | | |
| Water Found Depth: 62.0 | | | | | |
| Water Found Depth UOM: ft | | | | | |
| <u>Water Details</u> | | | | | |
| Water ID: 933466639 | | | | | |
| Layer: 2 | | | | | |
| Kind Code: 1 | | | | | |
| Kind: FRESH | | | | | |
| Water Found Depth: 86.0 | | | | | |
| Water Found Depth UOM: ft | | | | | |

| | | | | | |
|--|--------|-----------|--------------|---|------|
| 39 | 1 of 3 | ESE/225.3 | 89.7 / -3.78 | City of Ottawa - Village Walk STP 65 Village Walk Pvt Ottawa ON | NCPL |
| Year: 2007 | | | | | |
| Site Name: | | | | | |
| Facility Owner: | | | | | |
| Discharge Type: Municipal Private Sewage | | | | | |
| Sector: Sewage Municipal | | | | | |
| District Area: Ottawa | | | | | |
| Type of Concern: C of A/Permit Non-Compliance | | | | | |
| Contaminant: AMMONIA | | | | | |
| Status Report: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-------------------------------|-------------------|---|------------------|------|----|
| Details | | | | | |
| Incident Date: | | 10/19/2007 | | | |
| Exceedance Start Date: | | 10/19/2007 | | | |
| Exceedance End Date: | | 10/23/2007 | | | |
| Limit/Unit/Freq: | | 1 mg/L | | | |
| Quantity Min/Max: | | 1.33/4.33 | | | |
| Facility Action: | | Action Plan Submitted - Implementing Improvements | | | |
| Ministry Action: | | Voluntary Abatement Program Underway | | | |

| | | | | | |
|-------------------------|--------|------------------------------|---------------------|--|-------------|
| 39 | 2 of 3 | ESE/225.3 | 89.7 / -3.78 | City of Ottawa - Village Walk STP 65 Village Walk Pvt Ottawa ON | NCPL |
| Year: | | 2007 | | | |
| Site Name: | | | | | |
| Facility Owner: | | | | | |
| Discharge Type: | | Municipal Private Sewage | | | |
| Sector: | | Sewage Municipal | | | |
| District Area: | | Ottawa | | | |
| Type of Concern: | | C of A/Permit Non-Compliance | | | |
| Contaminant: | | PHOSPHORUS | | | |
| Status Report: | | | | | |

| | | | | | |
|-------------------------------|--|---|--|--|--|
| Details | | | | | |
| Incident Date: | | 12/31/2007 | | | |
| Exceedance Start Date: | | 12/1/2007 | | | |
| Exceedance End Date: | | 12/31/2007 | | | |
| Limit/Unit/Freq: | | 0.04 mg/L | | | |
| Quantity Min/Max: | | 0.062/0.062 | | | |
| Facility Action: | | Action Plan Submitted - Implementing Improvements | | | |
| Ministry Action: | | Voluntary Abatement Program Underway | | | |

| | | | | | |
|-------------------------|--------|----------------------------|---------------------|---|-------------|
| 39 | 3 of 3 | ESE/225.3 | 89.7 / -3.78 | City of Ottawa - Village Walk Sewage Treatment Plant 65 Village Walk Pvt Ottawa ON | NCPL |
| Year: | | 2008 | | | |
| Site Name: | | | | | |
| Facility Owner: | | | | | |
| Discharge Type: | | Private Sewage | | | |
| Sector: | | Municipal Sewage | | | |
| District Area: | | Ottawa | | | |
| Type of Concern: | | CofA/Permit Non-Compliance | | | |
| Contaminant: | | PHOSPHORUS | | | |
| Status Report: | | | | | |

| | | | | | |
|-------------------------------|--|---|--|--|--|
| Details | | | | | |
| Incident Date: | | 2/29/2008 | | | |
| Exceedance Start Date: | | 1/1/2008 | | | |
| Exceedance End Date: | | 2/29/2008 | | | |
| Limit/Unit/Freq: | | 0.04 mg/L | | | |
| Quantity Min/Max: | | 0.1/0.1 | | | |
| Facility Action: | | Action Plan Submitted - Implementing Improvements, Equipment Modified, Repaired, Replaced or Re-calibrated & Operational Process Modification | | | |
| Ministry Action: | | Assessment Complete - Incident Resolved & Other Abatement Action Taken | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------|-------------------|----------------------------|------------------|-------------------|------|
| 40 | 1 of 1 | W/227.1 | 95.8 / 2.31 | lot 2 con A ON | WWIS |

| | | | |
|-------------------------------|--------------|---------------------------|----------------------|
| Well ID: | 1512038 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Domestic | Date Received: | 10/4/1972 |
| Sec. Water Use: | 0 | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | Abandonment Rec: | |
| Water Type: | | Contractor: | 1558 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | OTTAWA |
| Elevation (m): | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | 002 |
| Well Depth: | | Concession: | A |
| Overburden/Bedrock: | | Concession Name: | CON |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map):

Additional Detail(s) (Map)

| | |
|-----------------------------|-------------------|
| Well Completed Date: | 1972/08/18 |
| Year Completed: | 1972 |
| Depth (m): | 47.5488 |
| Latitude: | 45.2234255539418 |
| Longitude: | -75.6897251564449 |
| Path: | |

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|--------------------------------|
| Bore Hole ID: | 10034032 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 445850.80 |
| Code OB Desc: | | North83: | 5008002.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 4 |
| Date Completed: | 18-Aug-1972 00:00:00 | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | Location Method: | p4 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

Overburden and Bedrock
Materials Interval

| | |
|------------------------------|-----------|
| Formation ID: | 931019449 |
| Layer: | 1 |
| Color: | 6 |
| General Color: | BROWN |
| Mat1: | 14 |
| Most Common Material: | HARDPAN |
| Mat2: | 11 |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Mat2 Desc: | | GRAVEL | | | |
| Mat3: | | 13 | | | |
| Mat3 Desc: | | BOULDERS | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 48.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| Formation ID: | | 931019450 | | | |
| Layer: | | 2 | | | |
| Color: | | 2 | | | |
| General Color: | | GREY | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 48.0 | | | |
| Formation End Depth: | | 156.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961512038 | | | |
| Method Construction Code: | | 5 | | | |
| Method Construction: | | Air Percussion | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10582602 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930060405 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 156.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930060404 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 52.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991512038 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 50.0 | | | |
| Final Level After Pumping: | | 80.0 | | | |
| Recommended Pump Depth: | | 90.0 | | | |
| Pumping Rate: | | 10.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934646183 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 80.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934894758 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 80.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934384610 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 80.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934098674 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 80.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933467355 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 155.0 | | | |
| Water Found Depth UOM: | | ft | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------|-------------------|----------------------------|------------------|-------------|------|
| 41 | 1 of 1 | ENE/228.0 | 89.4 / -4.09 | lot 2 ON | WWIS |

| | | | |
|-------------------------------|--------------|---------------------------|----------------------|
| Well ID: | 1506448 | Data Entry Status: | |
| Construction Date: | | Data Src: | 1 |
| Primary Water Use: | Industrial | Date Received: | 11/14/1961 |
| Sec. Water Use: | 0 | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | Abandonment Rec: | |
| Water Type: | | Contractor: | 3601 |
| Casing Material: | | Form Version: | 1 |
| Audit No: | | Owner: | |
| Tag: | | Street Name: | |
| Construction Method: | | County: | OTTAWA |
| Elevation (m): | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | Site Info: | |
| Depth to Bedrock: | | Lot: | 002 |
| Well Depth: | | Concession: | |
| Overburden/Bedrock: | | Concession Name: | BF |
| Pump Rate: | | Easting NAD83: | |
| Static Water Level: | | Northing NAD83: | |
| Flowing (Y/N): | | Zone: | |
| Flow Rate: | | UTM Reliability: | |
| Clear/Cloudy: | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506448.pdf

Additional Detail(s) (Map)

Well Completed Date: 1961/09/08
Year Completed: 1961
Depth (m): 15.24
Latitude: 45.2248967382306
Longitude: -75.6845841272441
Path: 150\1506448.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|---------------------------------|
| Bore Hole ID: | 10028484 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446255.80 |
| Code OB Desc: | | North83: | 5008162.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 5 |
| Date Completed: | 08-Sep-1961 00:00:00 | UTMRC Desc: | margin of error : 100 m - 300 m |
| Remarks: | | Location Method: | p5 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |
| Source Revision Comment: | | | |
| Supplier Comment: | | | |

**Overburden and Bedrock
Materials Interval**

Formation ID: 931004553
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 14.0 | | | |
| Formation End Depth: | | 50.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931004552 | | | |
| Layer: | | 1 | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | | 05 | | | |
| Most Common Material: | | CLAY | | | |
| Mat2: | | 02 | | | |
| Mat2 Desc: | | TOPSOIL | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 14.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| Method Construction ID: | | 961506448 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10577054 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930049710 | | | |
| Layer: | | 2 | | | |
| Material: | | 4 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 50.0 | | | |
| Casing Diameter: | | 4.0 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930049709 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 16.0 | | | |
| Casing Diameter: | | 4.0 | | | |
| Casing Diameter UOM: | | inch | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|-------------------|----------------------------|------------------|------|----|
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | 991506448 | | | | |
| Pump Set At: | | | | | |
| Static Level: | 8.0 | | | | |
| Final Level After Pumping: | 18.0 | | | | |
| Recommended Pump Depth: | 30.0 | | | | |
| Pumping Rate: | 4.0 | | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | 4.0 | | | | |
| Levels UOM: | ft | | | | |
| Rate UOM: | GPM | | | | |
| Water State After Test Code: | 1 | | | | |
| Water State After Test: | CLEAR | | | | |
| Pumping Test Method: | 1 | | | | |
| Pumping Duration HR: | 1 | | | | |
| Pumping Duration MIN: | 0 | | | | |
| Flowing: | No | | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | 933460597 | | | | |
| Layer: | 1 | | | | |
| Kind Code: | 1 | | | | |
| Kind: | FRESH | | | | |
| Water Found Depth: | 50.0 | | | | |
| Water Found Depth UOM: | ft | | | | |

| | | | | | |
|------------------------|--------------|-----------|---|-------------|------|
| 42 | 1 of 1 | NNE/234.9 | 86.9 / -6.61 | lot 1 ON | WWIS |
| Well ID: | 1506447 | | Data Entry Status: | | |
| Construction Date: | | | Data Src: 1 | | |
| Primary Water Use: | Commerical | | Date Received: 12/6/1960 | | |
| Sec. Water Use: | 0 | | Selected Flag: TRUE | | |
| Final Well Status: | Water Supply | | Abandonment Rec: | | |
| Water Type: | | | Contractor: 4216 | | |
| Casing Material: | | | Form Version: 1 | | |
| Audit No: | | | Owner: | | |
| Tag: | | | Street Name: | | |
| Construction Method: | | | County: OTTAWA | | |
| Elevation (m): | | | Municipality: NORTH GOWER TOWNSHIP | | |
| Elevation Reliability: | | | Site Info: | | |
| Depth to Bedrock: | | | Lot: 001 | | |
| Well Depth: | | | Concession: | | |
| Overburden/Bedrock: | | | Concession Name: BF | | |
| Pump Rate: | | | Easting NAD83: | | |
| Static Water Level: | | | Northing NAD83: | | |
| Flowing (Y/N): | | | Zone: | | |
| Flow Rate: | | | UTM Reliability: | | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506447.pdf

Additional Detail(s) (Map)

Well Completed Date: 1960/11/05
Year Completed: 1960
Depth (m): 38.1
Latitude: 45.225696118769

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------------------|---------------------------------|
| Longitude: | | -75.6863770431013 | | | |
| Path: | | 150\1506447.pdf | | | |
| <u>Bore Hole Information</u> | | | | | |
| Bore Hole ID: | 10028483 | | | Elevation: | |
| DP2BR: | | | | Elevrc: | |
| Spatial Status: | | | | Zone: | 18 |
| Code OB: | | | | East83: | 446115.80 |
| Code OB Desc: | | | | North83: | 5008252.00 |
| Open Hole: | | | | Org CS: | |
| Cluster Kind: | | | | UTMRC: | 5 |
| Date Completed: | 05-Nov-1960 00:00:00 | | | UTMRC Desc: | margin of error : 100 m - 300 m |
| Remarks: | | | | Location Method: | p5 |
| Elevrc Desc: | | | | | |
| Location Source Date: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Source Revision Comment: | | | | | |
| Supplier Comment: | | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931004550 | | | | |
| Layer: | 1 | | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | 23 | | | | |
| Most Common Material: | PREVIOUSLY DUG | | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | 0.0 | | | | |
| Formation End Depth: | 94.0 | | | | |
| Formation End Depth UOM: | ft | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931004551 | | | | |
| Layer: | 2 | | | | |
| Color: | 2 | | | | |
| General Color: | GREY | | | | |
| Mat1: | 15 | | | | |
| Most Common Material: | LIMESTONE | | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | 94.0 | | | | |
| Formation End Depth: | 125.0 | | | | |
| Formation End Depth UOM: | ft | | | | |
| <u>Method of Construction & Well</u> | | | | | |
| <u>Use</u> | | | | | |
| Method Construction ID: | 961506447 | | | | |
| Method Construction Code: | 1 | | | | |
| Method Construction: | Cable Tool | | | | |
| Other Method Construction: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | | 10577053 | | |
| Casing No: | | | 1 | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | | 930049708 | | |
| Layer: | | | 2 | | |
| Material: | | | 4 | | |
| Open Hole or Material: | | | OPEN HOLE | | |
| Depth From: | | | | | |
| Depth To: | | | 125.0 | | |
| Casing Diameter: | | | 4.0 | | |
| Casing Diameter UOM: | | | inch | | |
| Casing Depth UOM: | | | ft | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | | 930049707 | | |
| Layer: | | | 1 | | |
| Material: | | | | | |
| Open Hole or Material: | | | | | |
| Depth From: | | | | | |
| Depth To: | | | 94.0 | | |
| Casing Diameter: | | | | | |
| Casing Diameter UOM: | | | inch | | |
| Casing Depth UOM: | | | ft | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | | 991506447 | | |
| Pump Set At: | | | | | |
| Static Level: | | | 20.0 | | |
| Final Level After Pumping: | | | 24.0 | | |
| Recommended Pump Depth: | | | | | |
| Pumping Rate: | | | 10.0 | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | | | | |
| Levels UOM: | | | ft | | |
| Rate UOM: | | | GPM | | |
| Water State After Test Code: | | | 1 | | |
| Water State After Test: | | | CLEAR | | |
| Pumping Test Method: | | | 1 | | |
| Pumping Duration HR: | | | 1 | | |
| Pumping Duration MIN: | | | 0 | | |
| Flowing: | | | No | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | | 933460596 | | |
| Layer: | | | 1 | | |
| Kind Code: | | | 1 | | |
| Kind: | | | FRESH | | |
| Water Found Depth: | | | 105.0 | | |
| Water Found Depth UOM: | | | ft | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---------------------------------|---|-------------------------|---------------|--|------------|
| 43 | 1 of 1 | NE/235.8 | 89.6 / -3.92 | 5536 Manotick Main Street Manotick ON K4M | EHS |
| Order No: | 20180816167 | | | Nearest Intersection: | |
| Status: | C | | | Municipality: | |
| Report Type: | RSC Report (Rural) | | | Client Prov/State: | ON |
| Report Date: | 23-AUG-18 | | | Search Radius (km): | .3 |
| Date Received: | 16-AUG-18 | | | X: | -75.685172 |
| Previous Site Name: | | | | Y: | 45.225371 |
| Lot/Building Size: | | | | | |
| Additional Info Ordered: | Fire Insur. Maps and/or Site Plans; Title Searches; City Directory; Aerial Photos | | | | |

| | | | | | |
|-------------------------------|--------------|-----------|--------------|---------------------------|----------------------|
| 44 | 1 of 1 | ENE/236.6 | 89.9 / -3.64 | lot 2 con A ON | WWIS |
| Well ID: | 1516364 | | | Data Entry Status: | |
| Construction Date: | | | | Data Src: | 1 |
| Primary Water Use: | Municipal | | | Date Received: | 1/19/1978 |
| Sec. Water Use: | 0 | | | Selected Flag: | TRUE |
| Final Well Status: | Water Supply | | | Abandonment Rec: | |
| Water Type: | | | | Contractor: | 3504 |
| Casing Material: | | | | Form Version: | 1 |
| Audit No: | | | | Owner: | |
| Tag: | | | | Street Name: | |
| Construction Method: | | | | County: | OTTAWA |
| Elevation (m): | | | | Municipality: | NORTH GOWER TOWNSHIP |
| Elevation Reliability: | | | | Site Info: | |
| Depth to Bedrock: | | | | Lot: | 002 |
| Well Depth: | | | | Concession: | A |
| Overburden/Bedrock: | | | | Concession Name: | CON |
| Pump Rate: | | | | Easting NAD83: | |
| Static Water Level: | | | | Northing NAD83: | |
| Flowing (Y/N): | | | | Zone: | |
| Flow Rate: | | | | UTM Reliability: | |
| Clear/Cloudy: | | | | | |

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516364.pdf

Additional Detail(s) (Map)

Well Completed Date: 1977/10/05
Year Completed: 1977
Depth (m): 36.576
Latitude: 45.22453937238
Longitude: -75.6841340167146
Path: 151\1516364.pdf

Bore Hole Information

| | | | |
|-------------------------------------|----------------------|-------------------------|---------------------------------|
| Bore Hole ID: | 10038291 | Elevation: | |
| DP2BR: | | Elevrc: | |
| Spatial Status: | | Zone: | 18 |
| Code OB: | | East83: | 446290.80 |
| Code OB Desc: | | North83: | 5008122.00 |
| Open Hole: | | Org CS: | |
| Cluster Kind: | | UTMRC: | 5 |
| Date Completed: | 05-Oct-1977 00:00:00 | UTMRC Desc: | margin of error : 100 m - 300 m |
| Remarks: | | Location Method: | p5 |
| Elevrc Desc: | | | |
| Location Source Date: | | | |
| Improvement Location Source: | | | |
| Improvement Location Method: | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <i>Source Revision Comment:</i> | | | | | |
| <i>Supplier Comment:</i> | | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931031918 | | | |
| Layer: | | 1 | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | | 11 | | | |
| Most Common Material: | | GRAVEL | | | |
| Mat2: | | 13 | | | |
| Mat2 Desc: | | BOULDERS | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 0.0 | | | |
| Formation End Depth: | | 25.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | | 931031919 | | | |
| Layer: | | 2 | | | |
| Color: | | | | | |
| General Color: | | | | | |
| Mat1: | | 15 | | | |
| Most Common Material: | | LIMESTONE | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | | 25.0 | | | |
| Formation End Depth: | | 120.0 | | | |
| Formation End Depth UOM: | | ft | | | |
| <u>Method of Construction & Well</u> | | | | | |
| <u>Use</u> | | | | | |
| Method Construction ID: | | 961516364 | | | |
| Method Construction Code: | | 4 | | | |
| Method Construction: | | Rotary (Air) | | | |
| Other Method Construction: | | | | | |
| <u>Pipe Information</u> | | | | | |
| Pipe ID: | | 10586861 | | | |
| Casing No: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| Casing ID: | | 930067331 | | | |
| Layer: | | 1 | | | |
| Material: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 31.0 | | | |
| Casing Diameter: | | 6.0 | | | |
| Casing Diameter UOM: | | inch | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Casing Depth UOM: | | ft | | | |
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991516364 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 25.0 | | | |
| Final Level After Pumping: | | 115.0 | | | |
| Recommended Pump Depth: | | 50.0 | | | |
| Pumping Rate: | | 10.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 10.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 0 | | | |
| Pumping Duration MIN: | | 30 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934380328 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 25.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934641419 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 25.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934899321 | | | |
| Test Type: | | Recovery | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 25.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933472666 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 5 | | | |
| Kind: | | Not stated | | | |
| Water Found Depth: | | 95.0 | | | |
| Water Found Depth UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933472667 | | | |
| Layer: | | 2 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 120.0 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|-----------------------------------|---|----------------------------|---|---|-------------|
| Water Found Depth UOM: | | ft | | | |
| 45 | 1 of 1 | ENE/245.5 | 89.9 / -3.64 | 5549 Ann St Ottawa ON K4M1L6 | EHS |
| Order No: | 20150303033 | | Nearest Intersection: | | |
| Status: | C | | Municipality: Ottawa | | |
| Report Type: | RSC Report (Urban) | | Client Prov/State: ON | | |
| Report Date: | 09-MAR-15 | | Search Radius (km): .3 | | |
| Date Received: | 03-MAR-15 | | X: -75.684101 | | |
| Previous Site Name: | | | Y: 45.224669 | | |
| Lot/Building Size: | 0.11 acres | | | | |
| Additional Info Ordered: | Title Searches | | | | |
| 46 | 1 of 1 | ENE/245.8 | 89.8 / -3.74 | 5544 Main Street Manotick ON | EHS |
| Order No: | 20101006021 | | Nearest Intersection: | | |
| Status: | C | | Municipality: ON | | |
| Report Type: | Custom Report | | Client Prov/State: ON | | |
| Report Date: | 10/14/2010 | | Search Radius (km): 0.25 | | |
| Date Received: | 10/6/2010 1:55:22 PM | | X: -75.684402 | | |
| Previous Site Name: | | | Y: 45.224954 | | |
| Lot/Building Size: | | | | | |
| Additional Info Ordered: | | | | | |
| 47 | 1 of 1 | NW/249.8 | 94.6 / 1.12 | lot 2 con A ON | WWIS |
| Well ID: | 1514236 | | Data Entry Status: | | |
| Construction Date: | | | Data Src: 1 | | |
| Primary Water Use: | Domestic | | Date Received: 8/22/1974 | | |
| Sec. Water Use: | 0 | | Selected Flag: TRUE | | |
| Final Well Status: | Water Supply | | Abandonment Rec: | | |
| Water Type: | | | Contractor: 1558 | | |
| Casing Material: | | | Form Version: 1 | | |
| Audit No: | | | Owner: | | |
| Tag: | | | Street Name: | | |
| Construction Method: | | | County: OTTAWA | | |
| Elevation (m): | | | Municipality: NORTH GOWER TOWNSHIP | | |
| Elevation Reliability: | | | Site Info: | | |
| Depth to Bedrock: | | | Lot: 002 | | |
| Well Depth: | | | Concession: A | | |
| Overburden/Bedrock: | | | Concession Name: CON | | |
| Pump Rate: | | | Easting NAD83: | | |
| Static Water Level: | | | Northing NAD83: | | |
| Flowing (Y/N): | | | Zone: | | |
| Flow Rate: | | | UTM Reliability: | | |
| Clear/Cloudy: | | | | | |
| PDF URL (Map): | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514236.pdf | | | | |
| Additional Detail(s) (Map) | | | | | |
| Well Completed Date: | 1974/07/19 | | | | |
| Year Completed: | 1974 | | | | |
| Depth (m): | 54.864 | | | | |
| Latitude: | 45.2256126131503 | | | | |
| Longitude: | -75.6882867362089 | | | | |
| Path: | 151\1514236.pdf | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------------------------|----------------------|----------------------------|------------------|-------------------------|--------------------------------|
| <u>Bore Hole Information</u> | | | | | |
| Bore Hole ID: | 10036213 | | | Elevation: | |
| DP2BR: | | | | Elevrc: | |
| Spatial Status: | | | | Zone: | 18 |
| Code OB: | | | | East83: | 445965.80 |
| Code OB Desc: | | | | North83: | 5008244.00 |
| Open Hole: | | | | Org CS: | |
| Cluster Kind: | | | | UTMRC: | 4 |
| Date Completed: | 19-Jul-1974 00:00:00 | | | UTMRC Desc: | margin of error : 30 m - 100 m |
| Remarks: | | | | Location Method: | p4 |
| Elevrc Desc: | | | | | |
| Location Source Date: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Source Revision Comment: | | | | | |
| Supplier Comment: | | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931025682 | | | | |
| Layer: | 3 | | | | |
| Color: | 8 | | | | |
| General Color: | BLACK | | | | |
| Mat1: | 15 | | | | |
| Most Common Material: | LIMESTONE | | | | |
| Mat2: | | | | | |
| Mat2 Desc: | | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | 58.0 | | | | |
| Formation End Depth: | 135.0 | | | | |
| Formation End Depth UOM: | ft | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931025681 | | | | |
| Layer: | 2 | | | | |
| Color: | 2 | | | | |
| General Color: | GREY | | | | |
| Mat1: | 14 | | | | |
| Most Common Material: | HARDPAN | | | | |
| Mat2: | 13 | | | | |
| Mat2 Desc: | BOULDERS | | | | |
| Mat3: | | | | | |
| Mat3 Desc: | | | | | |
| Formation Top Depth: | 20.0 | | | | |
| Formation End Depth: | 58.0 | | | | |
| Formation End Depth UOM: | ft | | | | |
| <u>Overburden and Bedrock</u> | | | | | |
| <u>Materials Interval</u> | | | | | |
| Formation ID: | 931025680 | | | | |
| Layer: | 1 | | | | |
| Color: | 6 | | | | |
| General Color: | BROWN | | | | |
| Mat1: | 28 | | | | |
| Most Common Material: | SAND | | | | |
| Mat2: | 13 | | | | |

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|---|--------------------------|--------------------------------|----------------------|-------------|-----------|
| <i>Mat2 Desc:</i> | | BOULDERS | | | |
| <i>Mat3:</i> | | | | | |
| <i>Mat3 Desc:</i> | | | | | |
| <i>Formation Top Depth:</i> | | 0.0 | | | |
| <i>Formation End Depth:</i> | | 20.0 | | | |
| <i>Formation End Depth UOM:</i> | | ft | | | |
| <u>Overburden and Bedrock Materials Interval</u> | | | | | |
| <i>Formation ID:</i> | | 931025683 | | | |
| <i>Layer:</i> | | 4 | | | |
| <i>Color:</i> | | 1 | | | |
| <i>General Color:</i> | | WHITE | | | |
| <i>Mat1:</i> | | 18 | | | |
| <i>Most Common Material:</i> | | SANDSTONE | | | |
| <i>Mat2:</i> | | | | | |
| <i>Mat2 Desc:</i> | | | | | |
| <i>Mat3:</i> | | | | | |
| <i>Mat3 Desc:</i> | | | | | |
| <i>Formation Top Depth:</i> | | 135.0 | | | |
| <i>Formation End Depth:</i> | | 180.0 | | | |
| <i>Formation End Depth UOM:</i> | | ft | | | |
| <u>Method of Construction & Well Use</u> | | | | | |
| <i>Method Construction ID:</i> | | 961514236 | | | |
| <i>Method Construction Code:</i> | | 4 | | | |
| <i>Method Construction:</i> | | Rotary (Air) | | | |
| <i>Other Method Construction:</i> | | | | | |
| <u>Pipe Information</u> | | | | | |
| <i>Pipe ID:</i> | | 10584783 | | | |
| <i>Casing No:</i> | | 1 | | | |
| <i>Comment:</i> | | | | | |
| <i>Alt Name:</i> | | | | | |
| <u>Construction Record - Casing</u> | | | | | |
| <i>Casing ID:</i> | | 930063975 | | | |
| <i>Layer:</i> | | 2 | | | |
| <i>Material:</i> | | 4 | | | |
| <i>Open Hole or Material:</i> | | OPEN HOLE | | | |
| <i>Depth From:</i> | | | | | |
| <i>Depth To:</i> | | 180.0 | | | |
| <i>Casing Diameter:</i> | | 6.0 | | | |
| <i>Casing Diameter UOM:</i> | | inch | | | |
| <i>Casing Depth UOM:</i> | | ft | | | |
| <u>Construction Record - Casing</u> | | | | | |
| <i>Casing ID:</i> | | 930063974 | | | |
| <i>Layer:</i> | | 1 | | | |
| <i>Material:</i> | | 1 | | | |
| <i>Open Hole or Material:</i> | | STEEL | | | |
| <i>Depth From:</i> | | | | | |
| <i>Depth To:</i> | | 60.0 | | | |
| <i>Casing Diameter:</i> | | 6.0 | | | |
| <i>Casing Diameter UOM:</i> | | inch | | | |
| <i>Casing Depth UOM:</i> | | ft | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <u>Results of Well Yield Testing</u> | | | | | |
| Pump Test ID: | | 991514236 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 20.0 | | | |
| Final Level After Pumping: | | 50.0 | | | |
| Recommended Pump Depth: | | 65.0 | | | |
| Pumping Rate: | | 20.0 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | 5.0 | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 1 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | No | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934900330 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 60 | | | |
| Test Level: | | 50.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934642444 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 45 | | | |
| Test Level: | | 50.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934381870 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 30 | | | |
| Test Level: | | 50.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Draw Down & Recovery</u> | | | | | |
| Pump Test Detail ID: | | 934099126 | | | |
| Test Type: | | Draw Down | | | |
| Test Duration: | | 15 | | | |
| Test Level: | | 50.0 | | | |
| Test Level UOM: | | ft | | | |
| <u>Water Details</u> | | | | | |
| Water ID: | | 933470067 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 178.0 | | | |
| Water Found Depth UOM: | | ft | | | |

Unplottable Summary

Total: **8** Unplottable sites

| DB | Company Name/Site Name | Address | City | Postal |
|------|--|--------------------------------|----------------|---------|
| AAGR | | Lot 1 Con A | Rideau ON | |
| AAGR | | Lot 1/2 Con A | Rideau ON | |
| CA | 898653 ONTARIO LIMITED | LOT 1/CONC.A,BROOKSIDE EST.SWM | RIDEAU TWP. ON | |
| CA | LEIMERK FARMS LTD. C/O MR. LEON GLUZMAN | ROW EASEMENT JOHN STREET | RIDEAU TWP. ON | |
| PES | MANOTICK HARDWARE LIMITED | | MANOTICK ON | |
| PES | MANOTICK HARDWARE LIMITED | | MANOTICK ON | K0A2N0 |
| PES | MANOTICK HARDWARE LIMITED | | MANOTICK ON | K0A 2N0 |
| WWIS | | lot 1 | ON | |

Unplottable Report

Site: Lot 1 Con A Rideau ON

Database:
AAGR

Type: Pit
Region/County: Ottawa-Carleton
Township: Rideau
Concession: A
Lot: 1
Size (ha): 1.1
Landuse:
Comments:

Site: Lot 1/2 Con A Rideau ON

Database:
AAGR

Type: Pit
Region/County: Ottawa-Carleton
Township: Rideau
Concession: A
Lot: 1/2
Size (ha): 4.4
Landuse:
Comments:

Site: 898653 ONTARIO LIMITED
LOT 1/CONC.A,BROOKSIDE EST.SWM RIDEAU TWP. ON

Database:
CA

Certificate #: 3-0920-93-
Application Year: 93
Issue Date: 9/10/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: LEIMERK FARMS LTD. C/O MR. LEON GLUZMAN
ROW EASEMENT JOHN STREET RIDEAU TWP. ON

Database:
CA

Certificate #: 3-1194-87-
Application Year: 87
Issue Date: 8/21/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:

Emission Control:

Site: MANOTICK HARDWARE LIMITED
MANOTICK ON

Database:
PES

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Vendor
Licence Type Code:
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:
PDF Site Location:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Site: MANOTICK HARDWARE LIMITED
MANOTICK ON K0A2N0

Database:
PES

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Limited Vendor
Licence Type Code: 23
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:
PDF Site Location:

Operator Box: 970
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Site: MANOTICK HARDWARE LIMITED
MANOTICK ON K0A 2N0

Database:
PES

Detail Licence No: 23-01-05505-0
Licence No: 05505
Status:
Approval Date:
Report Source:
Licence Type: Limited Vendor
Licence Type Code: 23
Licence Class: 01
Licence Control: 0
Latitude:
Longitude:
Lot:
Concession:
Region: 4

Operator Box: 970
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region: 4
Operator District: 2
Operator County: 15
Op Municipality:
Post Office Box:

District: 2
County: 15
Trade Name:
PDF Link:
PDF Site Location:

MOE District:
SWP Area Name:

Site:
lot 1 ON

Database:
WWIS

Well ID: 1518217
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: Livestock
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 5/6/1983
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot: 001
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10040087
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 21-Mar-1983 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc: 18
Zone:
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931037740
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 14
Mat3 Desc: HARDPAN
Formation Top Depth: 15.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931037741
Layer: 3
Color: 2
General Color: GREY
Mat1: 13
Most Common Material: BOULDERS
Mat2: 14
Mat2 Desc: HARDPAN
Mat3:
Mat3 Desc:
Formation Top Depth: 35.0
Formation End Depth: 52.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931037742
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 52.0
Formation End Depth: 167.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931037739
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 961518217
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10588657
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930069992
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 53.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930069993
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 167.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991518217
Pump Set At:
Static Level: 25.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 90.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934639345
Test Type:
Test Duration: 45
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934897806
Test Type:
Test Duration: 60
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934103534
Test Type:
Test Duration: 15
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934378286
Test Type:
Test Duration: 30
Test Level: 60.0
Test Level UOM: ft

Water Details

Water ID: 933474886
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 148.0
Water Found Depth UOM: ft

Water Details

Water ID: 933474885
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80.0
Water Found Depth UOM: ft

Water Details

Water ID: 933474887
Layer: 3
Kind Code: 5
Kind: Not stated
Water Found Depth: 162.0
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

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

Government Publication Date: Up to Nov 2021

Abandoned Mine Information System:

Provincial

[AMIS](#)

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

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

Government Publication Date: 1999-Sep 30, 2021

Borehole:

Provincial

[BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2019

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Chemical Manufacturers and Distributors:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Sep 30, 2021

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 -Nov 2021

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-Jul 2021

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994 - Dec 31, 2021

Drill Hole Database:

Provincial [DRL](#)

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks:

Provincial [DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: May 31, 2021

Environmental Activity and Sector Registry:

Provincial [EASR](#)

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

Government Publication Date: Oct 2011- Dec 31, 2021

Environmental Registry:

Provincial [EBR](#)

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

Government Publication Date: 1994 - Dec 31, 2021

Environmental Compliance Approval:

Provincial [ECA](#)

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

Government Publication Date: Oct 2011- Dec 31, 2021

Environmental Effects Monitoring:

Federal [EEM](#)

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private [EHS](#)

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

Government Publication Date: 1999-Nov 30, 2021

Environmental Issues Inventory System:

Federal [EIIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land / water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2020

List of Expired Fuels Safety Facilities:

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2020

Federal Convictions:

Federal **FCON**

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

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

Government Publication Date: Jun 2000-Nov 2021

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Fuel Storage Tank - Historic:

Provincial

[FSTH](#)

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

[GEN](#)

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

Government Publication Date: 1986-Nov 30, 2021

Greenhouse Gas Emissions from Large Facilities:

Federal

[GHG](#)

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO₂ eq).

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents:

Provincial

[HINC](#)

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

[INC](#)

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Landfill Inventory Management Ontario:

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

[MINE](#)

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial [MNR](#)

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

Government Publication Date: 1846-Dec 2020

National Analysis of Trends in Emergencies System (NATES):

Federal [NATE](#)

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial [NCPL](#)

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

Government Publication Date: Dec 31, 2019

National Defense & Canadian Forces Fuel Tanks:

Federal [NDFT](#)

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal [NDSP](#)

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal [NDWD](#)

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal [NEBI](#)

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal [NEBP](#)

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGWE

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

Government Publication Date: 1988-Nov 30, 2021

Ontario Oil and Gas Wells:

Provincial

OOGW

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

Government Publication Date: 1800-Jan 2021

Inventory of PCB Storage Sites:

Provincial

OPCB

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

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

Orders:

Provincial

ORD

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

Government Publication Date: 1994 - Dec 31, 2021

Canadian Pulp and Paper:

Private

PAP

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

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: Oct 2011- Dec 31, 2021

Pipeline Incidents:

Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Private and Retail Fuel Storage Tanks:

Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994 - Dec 31, 2021

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition:

Provincial RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Dec 2021

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-Sep 30, 2021

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Sep 2020

Wastewater Discharger Registration Database:

Provincial [SRDS](#)

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

Government Publication Date: 1990-Dec 31, 2018

Anderson's Storage Tanks:

Private [TANK](#)

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal [TCFT](#)

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

Government Publication Date: 1970 - Dec 2020

Variations for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

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

Government Publication Date: Oct 2011- Dec 31, 2021

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

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

Government Publication Date: Sep 30, 2021

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Jesse Andrechek

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: February 23, 2022 11:11 AM
To: Jesse Andrechek
Subject: RE: Search Records Request (PE5615)

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND

Hello,

Thank you for your request for confirmation of public information.

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

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

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

Kind regards,

Sherees

Public Information Agent

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationsservices@tssa.org

www.tssa.org



From: Jesse Andrechek <JAndrechek@patersongroup.ca>

Sent: February 22, 2022 3:26 PM

To: Public Information Services <publicinformationservices@tssa.org>

Subject: Search Records Request (PE5615)

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good afternoon,

Could you please complete a search of your records for underground/aboveground storage tanks, historical spills or other incidents/infractions for the following addresses in Manotick (Ottawa), ON:

Beaverwood Road: 1185, 1187, 1189, 1191, 1165

Scharfield Road: 5544, 5547

Maple Avenue: 1168, 1178

Doctor Leach Drive: 5572

Thank you,

Best regards,

Jesse Andrechek, BASc

patersongroup

solution oriented engineering

over 60 years serving our clients

154 Colonnade Road South

Ottawa, Ontario, K2E 7J5

Tel: (613) 226-7381 Ext. 228

Cell: (613) 913-3381

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APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

POSITION

Environmental Technician

EDUCATION

Queen's University, BAsC, 2019
Civil Engineering

St. Lawrence College, Advanced Diploma, 2016
Civil Engineering Technology

EXPERIENCE

2019 – Present

Paterson Group Inc.

Consulting Engineers
Environmental and Geotechnical Department
Environmental Technician

2018, 2017 (Summer)

City of Ottawa, PIED

Asset Management Branch, Building and Park Assets
Engineering Summer Student

SELECT LIST OF PROJECTS

Phase I and II ESA – Various Sites – Ontario (CSA Z768-01 & MECP)
Remediation Supervision – Various Sites – Ottawa
Geotechnical Investigations – Various Sites – Ottawa, Kingston, Toronto
Groundwater Monitoring – Various Sites – Ottawa, Kingston, Toronto
Site Surveying – Various Sites – Ottawa, Kingston, Toronto

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

POSITION

Associate and Supervisor of the Environmental Division
Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991
Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present

Paterson Group Inc.

Associate and Senior Environmental/Geotechnical Engineer
Environmental and Geotechnical Division
Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island
Agricultural Supply Facilities - Eastern Ontario
Laboratory Facility – Edmonton (Alberta)
Ottawa International Airport - Contaminant Migration Study - Ottawa
Richmond Road Reconstruction - Ottawa
Billings Hurdman Interconnect - Ottawa
Bank Street Reconstruction - Ottawa
Environmental Review – Various Laboratories across Canada - CFIA
Dwyer Hill Training Centre – Ottawa
Nortel Networks Environmental Monitoring - Carling Campus – Ottawa
Remediation Program - Block D Lands – Kingston
Investigation of former landfill sites – City of Ottawa
Record of Site Condition for Railway Lands – North Bay
Commercial Properties – Guelph and Brampton
Brownfields Remediation – Alcan Site - Kingston
Montreal Road Reconstruction - Ottawa
Appleford Street Residential Development - Ottawa
Remediation Program - Ottawa Train Yards
Remediation Program - Bayshore and Heron Gate
Gladstone Avenue Reconstruction – Ottawa
Somerset Avenue West Reconstruction - Ottawa