

Phase I Environmental Site Assessment

1185 Beaverwood Road
Manotick, Ontario

Prepared for ARK Construction Ltd.

Report: PE5615-1R
January 18, 2023

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EXECUTIVE SUMMARY

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 Scharfield 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.

The City's HLUI response letter indicated that the Phase I Property is potentially situated within the cusp of an environmental risk management area, where lies a volatile organic compound (VOC) groundwater plume as a result of a historical off-site dry-cleaner at 1166 Beaverwood Road.

A review of previous groundwater studies and engineering reports completed in the immediate area, the VOC impacted groundwater results showed higher concentrations north-east and south-east of the former dry-cleaner, illustrating that the plume has been migrating towards the Rideau River, away from the Phase I Property. Furthermore, no VOC concentrations were identified in a groundwater monitoring well situated on the northern property boundary of 5547 Scharfield Road, across the Phase II Property (Duke Engineering & Services, 2000).

Based on our review of the available environmental records as well as the previous engineering report, in combination with a personal interview with an immediate family member that had resided at the Phase I Property since the 1960s, the dry-cleaning VOC plume or impacted groundwater in the core village of Manotick is not expected to pose any risk to the Phase I Property.

Following the historical research, a site visit was conducted to assess existing potential areas of concern. No new PCAs were identified with the current use of the Phase I Property or properties within the Phase I Study Area.

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

Recommendations

It is our understanding that the Phase I Property will be redeveloped in the future. A designated substance survey (DSS) of the building must be conducted prior to demolition of the existing building in accordance with Ontario Regulation 490/09, under the Occupational Health and Safety Act, prior to the disturbance of any designated substances.

If any groundwater wells are encountered during construction, they shall be abandoned according to Ontario Regulation 903.

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 under the supervision of a Qualified Person, in general accordance with Ontario Regulation (O.Reg.) 153/04, as amended under the Environmental Protection Act, and also complies with the requirements of CSA Z768-01, reaffirmed 2022. 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 Phase I 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 Phase I ESA Property and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the Phase I ESA Property, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements O.Reg. 153/04 as amended under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01, reaffirmed 2022;
- 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 Phase I Property.

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.

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.

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. in communication with the

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on January 6, 2023. 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 January 6, 2023 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 Freedom of Information (FOI) was received on September 27, 2022. After a thorough search through the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located as per our request. A copy of the MECP response is provided in Appendix 2.

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 Freedom of Information (FOI) was received on September 27, 2022. Based on the MECP FOI response, no records were located as per our request. A copy of the MECP response is provided in Appendix 2.

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 Freedom of Information (FOI) was received on September 27, 2022. Based on the MECP FOI response, no records were located as per our request. A copy of the MECP response is provided in Appendix 2.

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 Freedom of Information (FOI) was received on September 27, 2022. Based on the MECP FOI response, no records were located as per our request. A copy of the MECP response is provided in Appendix 2.

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 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.

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 in Toronto, was contacted on February 24, 2021, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. No TSSA related records were identified on the Phase I ESA Property or within the Phase I Study Area.

According to the ERIS report, several TSSA related records were identified 100 m or more away from the Phase I ESA Property and as such, these records are not considered represent APECs on the Phase I ESA Property. A copy of the TSSA correspondence and ERIS report are provided in Appendix 2.

City of Ottawa Historical Land Use Inventory (HLUI)

A response from the City of Ottawa's HLUI database search request was received on April 21, 2022. The results of the HLUI database indicated that there were no activities associated with the Phase I Property.

The City's Environmental Remediation Unit has identified environmental records on file pertaining to the Phase I Property noted on either directly on or next to the Phase I Property. A request has been made for any additional information pertaining to these environmental records, which are expected to be available to Paterson at the end of January 2023 to mid February 2023.

The HLUI response letter indicated that the Phase I Property is potentially situated within the cusp of an environmental risk management area, where lies a volatile organic compound (VOC) groundwater plume, as a result of a historical off-site dry-cleaner at 1166 Beaverwood Road.

The dry-cleaning by-product plume is not expected to have migrated beneath the Phase I Property, which is situated northwest of the former dry-cleaner.

Based on previous groundwater studies and engineering reports completed in the immediate area, the VOC impacted groundwater results show higher concentrations north-east and south-east of the former dry-cleaner, which illustrates the plume migrating towards the Rideau River.

Furthermore, no VOC concentrations were identified in a groundwater monitoring well situated on the northern property boundary of 5547 Scharfield Road, across from the Phase II Property (Duke Engineering & Services, 2000).

Based on the review of the HLUI results, three (3) historical off-site potentially contaminating activities (PCAs) were identified in the HLUI search results: a former dry-cleaner was identified at 1166 Beaverwood Road, approximately 185 m southeast; an automotive repair/service garage at 5536 Ann Street, approximately 135 m northeast; and, a former retail fuel outlet at 5547 Main Street, more than 250 m east of the Phase I Property.

Based on the sufficient separation distance and down-gradient or cross-gradient orientation relative to the Phase I Property, in combination with the historical groundwater quality results, these PCAs are not considered to represent areas of potential environmental concern (APECs). A copy of the HLUI response is provided in Appendix 2.

Environmental Risk Information Services (ERIS) Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I ESA Property and properties within the 250 m study area.

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

A total of 103 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.

It should be noted that the bulk of the records in the ERIS report, identified as PCAs, were considered sufficiently far enough away from the Phase I Property that there is no potential to pose any risk to the Phase I Property.

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.

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 local topography east of the Phase I Property varies and slopes in the direction of the Rideau River.

The Phase I Property is situated at a higher elevation sloping down towards the southeast. The reported 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.

Twenty-six (26) registered Ontario Waste Generators were identified in the 250 m search radius. The majority of these records pertained to a veterinarian clinic located at 5547 Scharfield Road, approximately 20 m east of the Phase I Property. The reported waste by-products included pharmaceutical, pathological and photo imaging (x-ray) wastes. The nature of these waste streams at the neighbouring property is not considered to pose any risk to the Phase I Property. The remaining waste generation records were identified at 5572 Dr. Leach Drive, approximately 140 m south of the Phase I Property. The reported waste streams included waste fuel, oils, sludges and lubricants associated with the City of Ottawa's recreational and grounds keeping equipment. Based on the sufficient separation distance and down/cross-gradient orientation relative to the Phase I Property, this waste generator is not considered to pose any risk to the Phase I Property.

Historical spills within the search radius included gaseous emissions (natural gas) from pipeline strikes located at 1160 Beaverwood Road. 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.

The non-compliance records, identified in the ERIS report, pertained to a non-compliance of a CA for the property at 65 Village Walk Private, approximately 185 m southeast of the Phase I Property. Based on the separation distance and orientation relative the Phase I Property, the non-compliance of this property is not a potential environmental concern.

The pesticide registry records identified in the ERIS pertained to commercial retailers (i.e., Home Hardware) located sufficiently far enough (190 m southeast) from the Phase I Property, that the storing and selling of pesticides is not considered a potential environmental concern in relation to the Phase I Property.

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 area of potential environmental concern with respect to the Phase I Property. No dry-cleaner or waste generator of dry-cleaning chemicals or other pertinent records were identified in the ERIS report. A copy of the ERIS report is provided 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. 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.

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.

A well abandonment record for the Phase I Property was not identified during the MECP well record search. The recent site visit did not identify any existing potable wells on-site. As discussed in the Phase I ESA report, it is very likely that the former domestic well on-site was decommissioned once municipal water services were installed at the Phase I Property in 1993. However, if a well is encountered during construction, it will be confirmed that the well has been decommissioned.

A copy of the well records has been included in Appendix 2.

Areas of Natural Significance and Natural Water Bodies

No areas of natural significance or natural water bodies were identified in the Phase I Study Area.

5.0 INTERVIEWS

Property Owner Representative(s)

As part of this assessment, 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. MacDonald (Ms. Sylvian MacDonald, nee Scharf), the son-in-law of the original property owner, Mr. Scharf, was also interviewed and considered someone with long-term knowledge of the Phase I Property. According to Mr. MacDonald, the Scarf family owned the subject land prior to the subdivision of the 100 acre farm (circa 1960), and has always been used for residential purposes. The residential dwelling was heated using a wood burning furnace prior to natural gas conversion.

To the best of Mr. McDonald's knowledge, the domestic water well was decommissioned at the time that municipal water services were installed in the immediate area. Mr. MacDonald was aware that there was groundwater contamination caused by the dry cleaner, which was mainly within the village core, east of the subject land, but not west of a hill at the corner of Beaverwood Road and Scharfield Road.

The Scharf family had been diligent over the years by sampling and testing their potable water well; according to Mr. MacDonald, there has never been any environmental concern over the years that the Scharf family resided at the Phase I Property.

Any other pertinent information obtained during the interview has been included in the relevant sections of this report.

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.

A second site visit was carried out on November 25, 2022. Weather conditions consisted of clear sky, with a temperature of approximately 3 °C. The site surface was free of snow at the time that Mr. Grant Paterson from the Environmental Department of Paterson Group conducted the site visit.

Based on the recent site visit, no signs of staining, stressed vegetation or ponded water was observed on the ground surface. No potable groundwater well was noted on-site at the time of the site visit. No new changes were noted on-site at the time of the site visit.

6.2 Specific Observations at the 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.

Subsurface Services and Utilities

The Phase I Property is situated in a municipally serviced area. Underground utilities and/or structures includes electricity, natural gas. It is our understanding that this domestic well may have been decommissioned circa 1993 when municipal water services were installed at the Phase I Property and in the immediate area, specifically east of the Phase I Property.

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.

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) and Lead-Based Paints (LBPs)

Based on the age of the building, ACMs and LBPs may potentially be present. 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 and LBPs 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 is 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; and
- 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. If a well is encountered during construction, it will be confirmed that the well has been decommissioned.

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 Phase I 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

Based on the review of engineering reports completed in the immediate area of the former dry-cleaner and review of the well records geodetic elevations reported by ERIS, the groundwater beneath the Phase I Property would indicate that it flows in an easterly/southeasterly direction. The inferred groundwater flow, corroborated with the City's HLUI Environmental Risk Management Area, identifies the VOC plume migrating towards the Rideau River, away from the Phase I Property.

Based on this information in combination with the analytical data obtained by Duke Engineering & Services (2000), no VOC concentrations were detected in a groundwater monitoring well situated on the northern property boundary of 5547 Scharfield Road, to the east of the Phase II Property. The personal interview also confirmed that there was no groundwater impact beyond (west) of Beaverwood Road at Scharfield Road. Therefore, it is our opinion that the former dry-cleaner is not considered to represent an APEC on the Phase I Property.

The remaining off-site PCAs are not considered to represent APECs based on their sufficient separation distance and downgradient orientation with respect to the Phase I Property, and as such, there are no APECs on the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I- ESA is considered to be sufficient to conclude that there is an on- and off-site PCA that have resulted in APECs on the Phase I Property.

A variety of independent sources were consulted as part of this assessment, and 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

8.1 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 Scharfield 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.

The City's HLUI response letter indicated that the Phase I Property is potentially situated within the cusp of an environmental risk management area, where lies a volatile organic compound (VOC) groundwater plume as a result of a historical off-site dry-cleaner at 1166 Beaverwood Road.

A review of previous groundwater studies and engineering reports completed in the immediate area, the VOC impacted groundwater results showed higher concentrations north-east and south-east of the former dry-cleaner, illustrating that the plume has been migrating towards the Rideau River, away from the Phase I Property. Furthermore, no VOC concentrations were identified in a groundwater monitoring well situated on the northern property boundary of 5547 Scharfield Road, across the Phase II Property (Duke Engineering & Services, 2000).

Based on our review of the available environmental records as well as the previous engineering report, in combination with a personal interview with an immediate family member that had resided at the Phase I Property since the 1960s, the dry-

cleaning VOC plume or impacted groundwater in the core village of Manotick is not expected to pose any risk to the Phase I Property.

Following the historical research, a site visit was conducted to assess existing potential areas of concern. No new PCAs were identified with the current use of the Phase I Property or properties within the Phase I Study Area.

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

8.2 Recommendations

It is our understanding that the Phase I Property will be redeveloped in the future. A designated substance survey (DSS) of the building must be conducted prior to demolition of the existing building in accordance with Ontario Regulation 490/09, under the Occupational Health and Safety Act, prior to the disturbance of any designated substances.

If any groundwater wells are encountered during construction, they shall be abandoned according to Ontario Regulation 903.

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, and meets the requirements of CSA Z768-01, reaffirmed 2022. 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. Permission and notification from the above noted parties and Paterson will be required to release this report to any other party.

Paterson Group Inc.



Mandy Witteman, B.Eng., M.A.Sc., P.Eng.



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



Report Distribution:

- ARK Construction Ltd.
- Paterson Group

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.
MNR Areas of Natural Significance.
MECP Water Well Record 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.
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
geoOttawa: City of Ottawa electronic mapping website.
City of Ottawa Historical Land Use Inventory (HLUI) Database

Local Information Sources

Personal Interviews.

Public Information Sources

Google Earth.
Google Maps/Street View.

Private Information Sources

ERIS Report
Survey Plan

References

“Groundwater Monitoring Program – Manotick, Ontario, 2000 Annual Report Final Sampling Round 13,” prepared by Duke Engineering & Services, dated December 20, 2000.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5615-1 – SITE PLAN

DRAWING PE5615-2 – SURROUNDING LAND USE PLAN

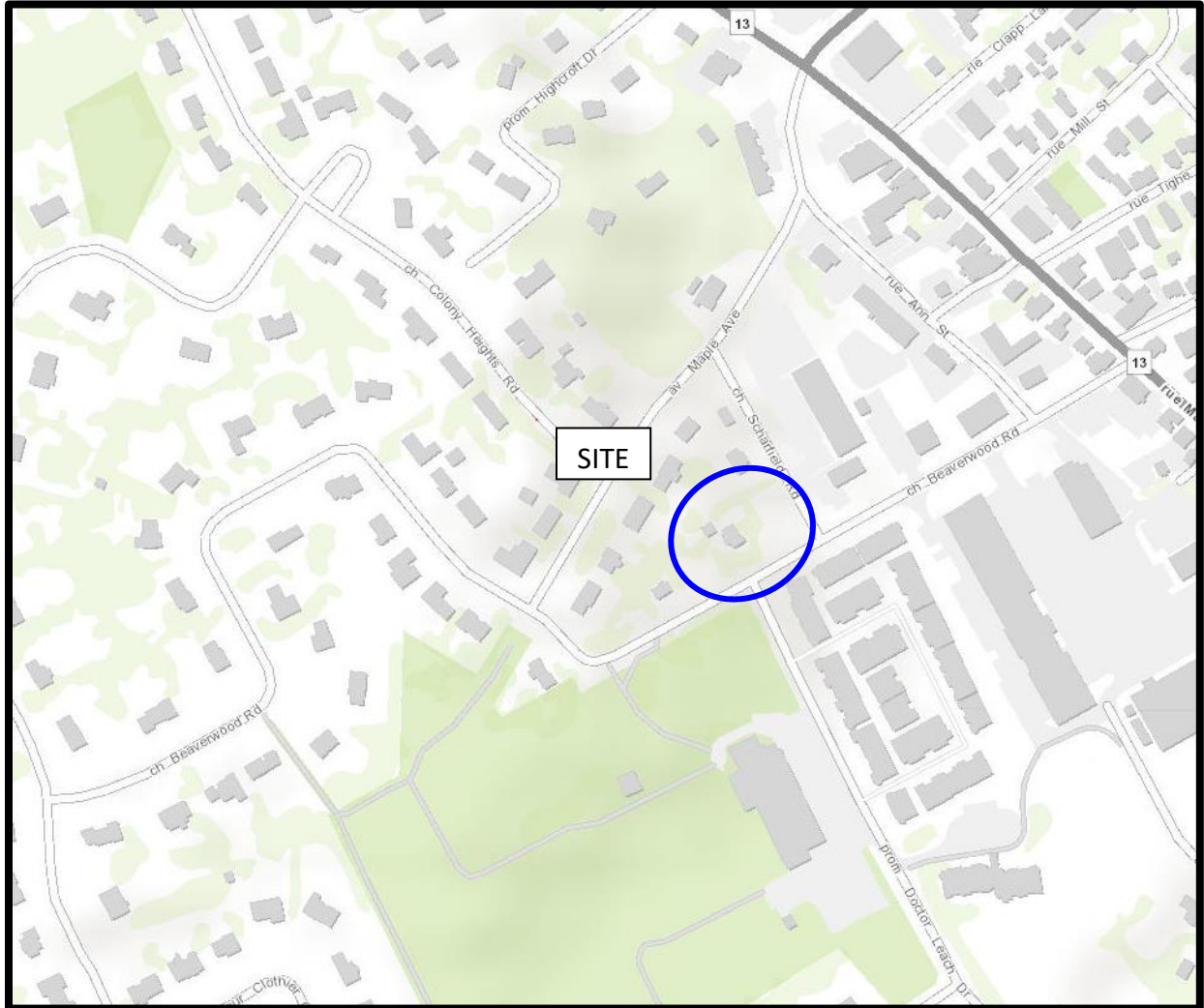


Figure 1:
KEY PLAN

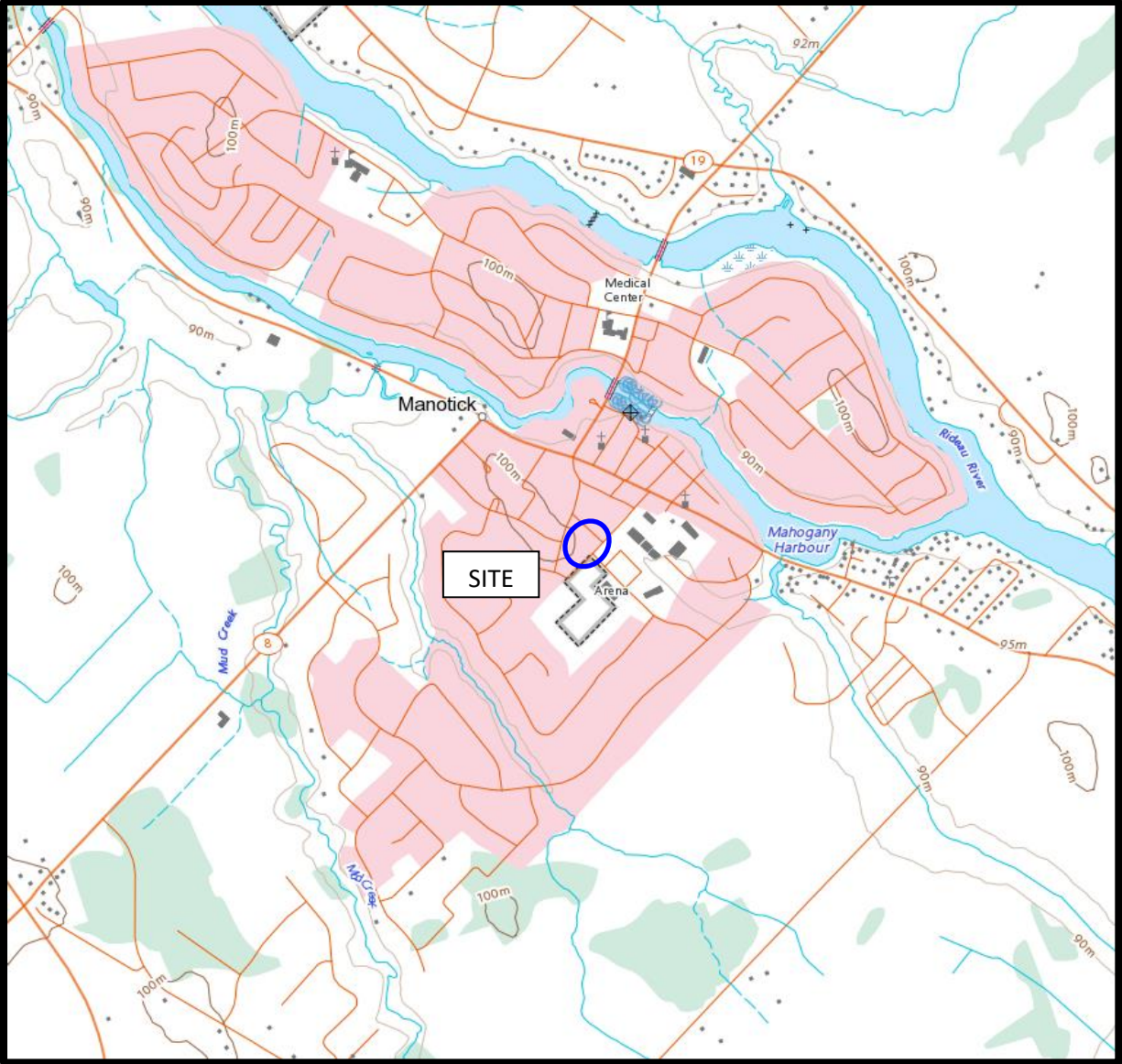
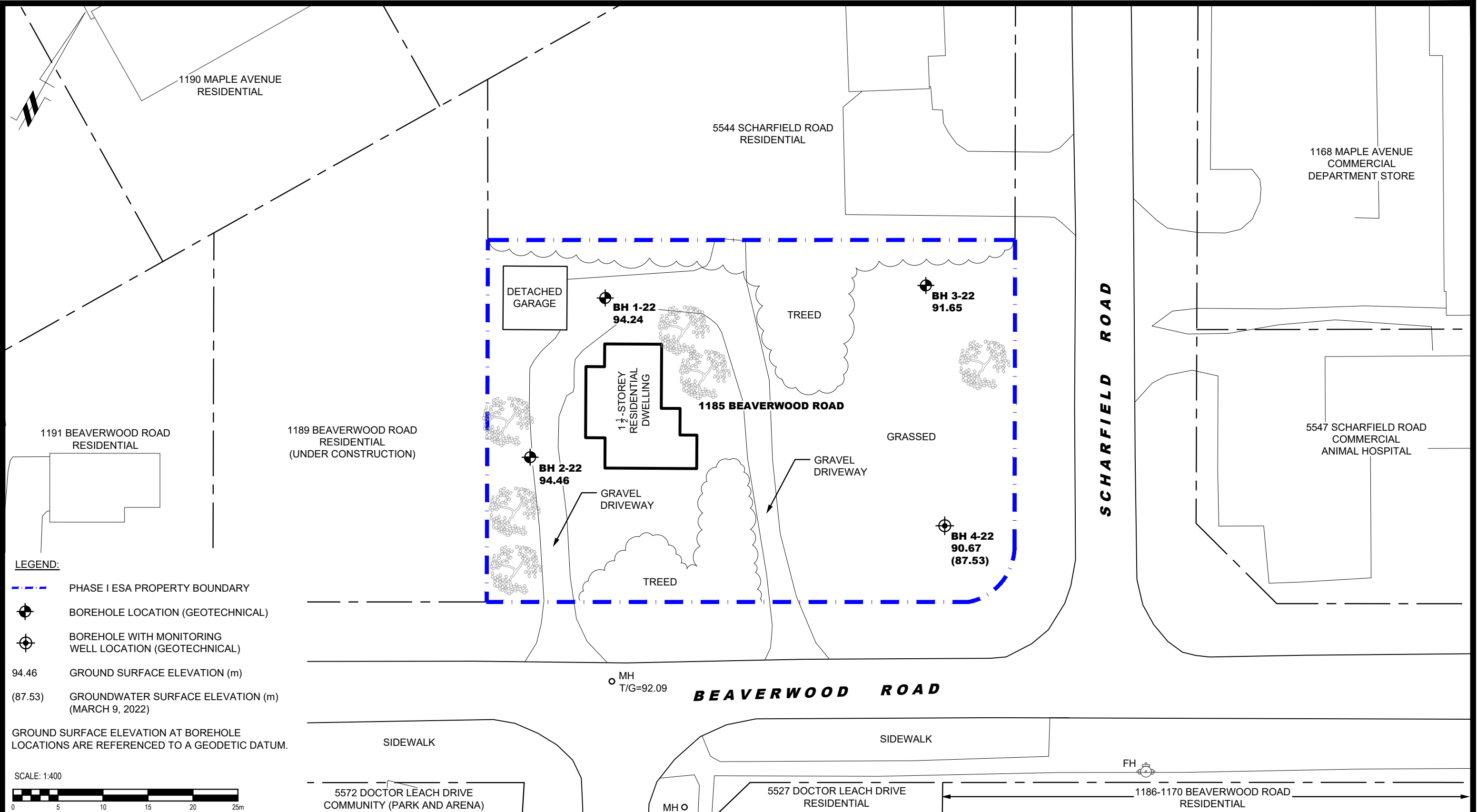


Figure 2:
TOPOGRAPHIC MAP

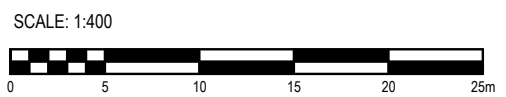


LEGEND:

- 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.

SCALE: 1:400



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.

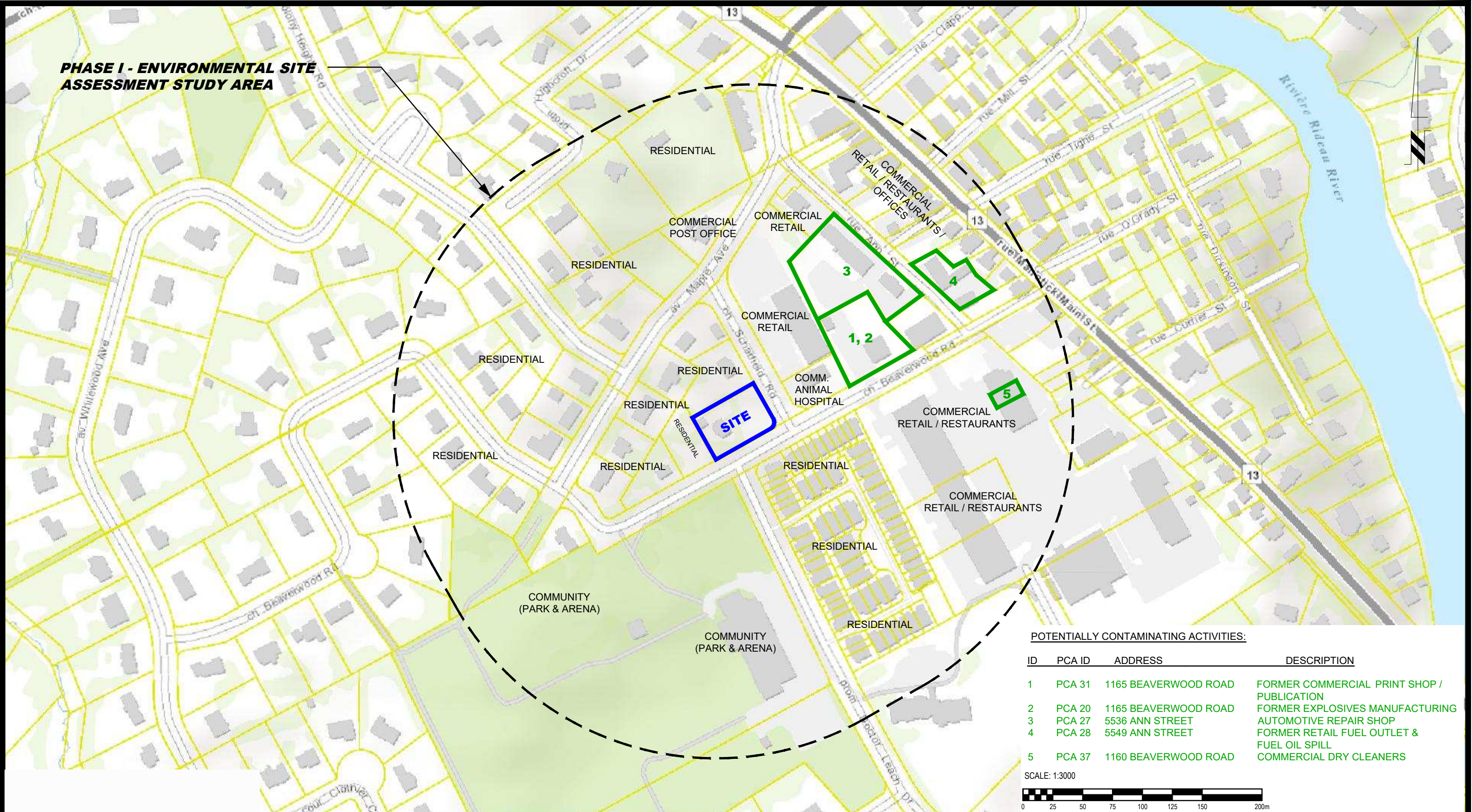
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
1185 BEAVERWOOD ROAD

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
Title: **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

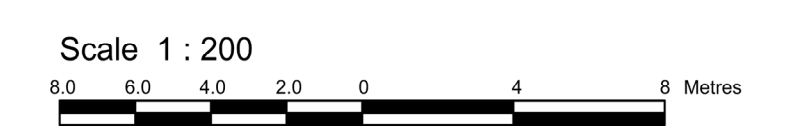
SURVEY PLAN

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

PART OF BLOCK C
REGISTERED PLAN 771
CITY OF OTTAWA

Prepared by Annis, O'Sullivan, Vollebek Ltd.



Metric
DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND
CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

Surveyor's Certificate

- I CERTIFY THAT:
1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act, the Land Titles Act and the regulations made under them.
2. The survey was completed on the 10th day of December, 2020.

Date: V. Andrew Shep, Ontario Land Surveyor

Notes & Legend table listing symbols for Denotes (Survey Monument Planted, SIB, SSIB, etc.) and their corresponding descriptions.

ASSOCIATION OF ONTARIO LAND SURVEYORS PLAN SUBMISSION FORM 2150119 logo and disclaimer text.

SITE AREA = 2359.5 m²

Bearings are grid, derived from GPS observations and are referred to the Central Meridian of MTM Zone 9 (76°30' West Longitude) NAD-83 (original).

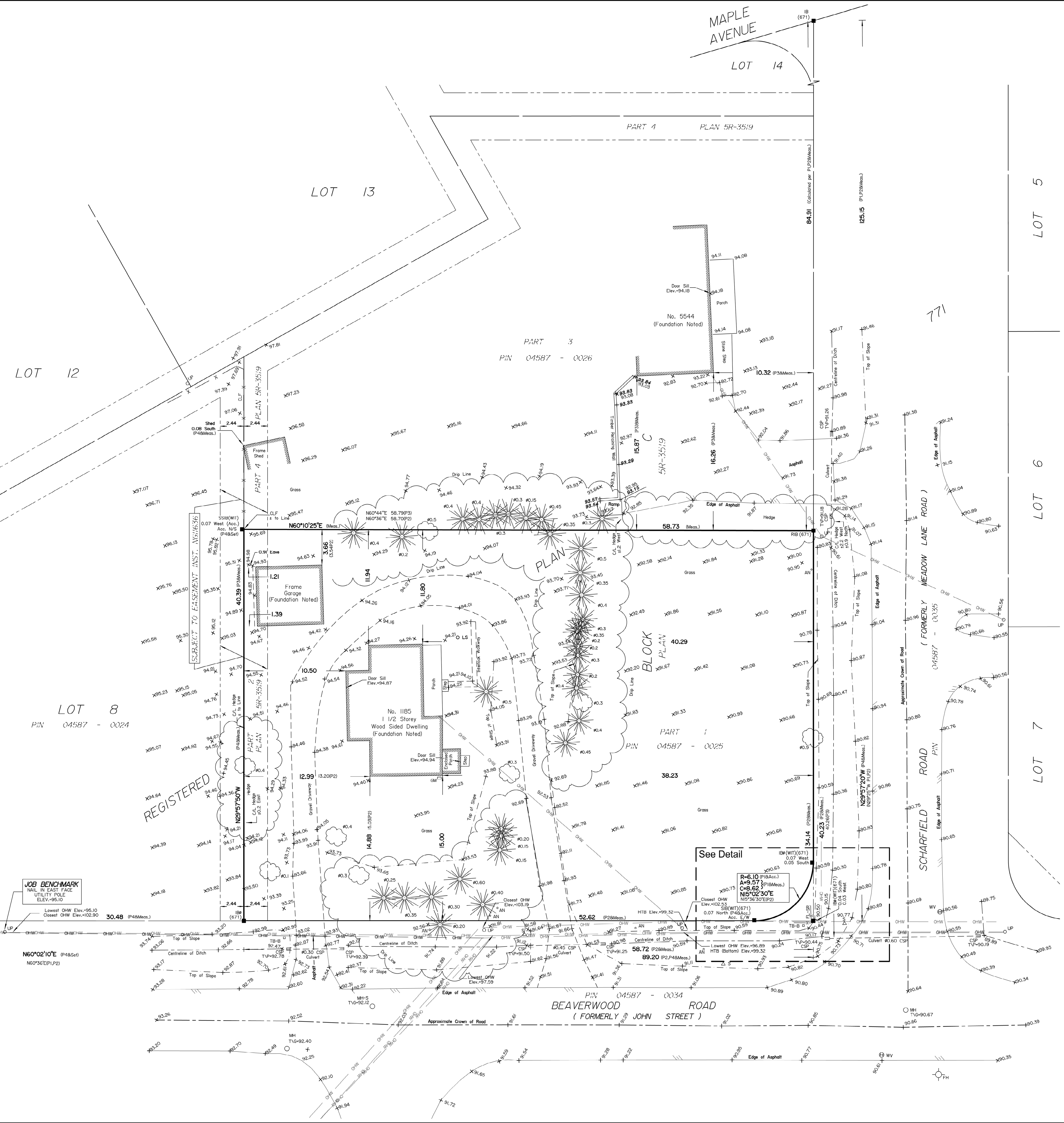
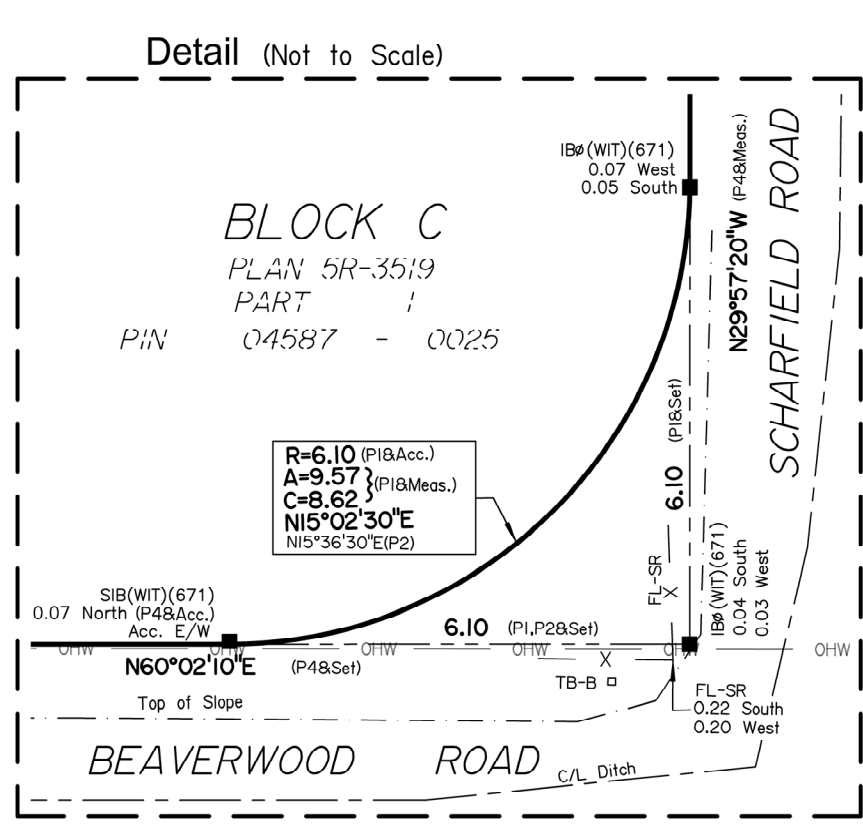
ELEVATION NOTES

- 1. Elevations shown are geodetic and are referred to the CGVD28 geodetic datum.
2. It is the responsibility of the user of this information to verify that the job benchmark has not been altered or disturbed and that it's relative elevation and description agrees with the information shown on this drawing.

UTILITY NOTES

- 1. This drawing cannot be accepted as acknowledging all of the utilities and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
2. Only visible surface utilities were located.
3. A field location of underground plant by the pertinent utility authority is mandatory before any work involving breaking ground, probing, excavating etc.

ANIS, O'SULLIVAN, VOLLEBEK LTD. logo, contact information (phone, fax, email), and job number details.



JOB BENCHMARK NAIL IN EAST FACE UTILITY POLE ELEV. 95.10

See Detail

N60°02'10"E (P48Set) N60°36'12"P2

BEAVERWOOD ROAD (FORMERLY JOHN STREET)

SCHARFIELD ROAD (FORMERLY MEADOW LAINE ROAD)

LOT 5

LOT 6

LOT 7

LOT 12

LOT 13

LOT 14

LOT 8 PIN 04587 - 0024

PART 3 PIN 04587 - 0026

No. 5544 (Foundation Noted)

PIN 04587 - 0025

PIN 04587 - 0034



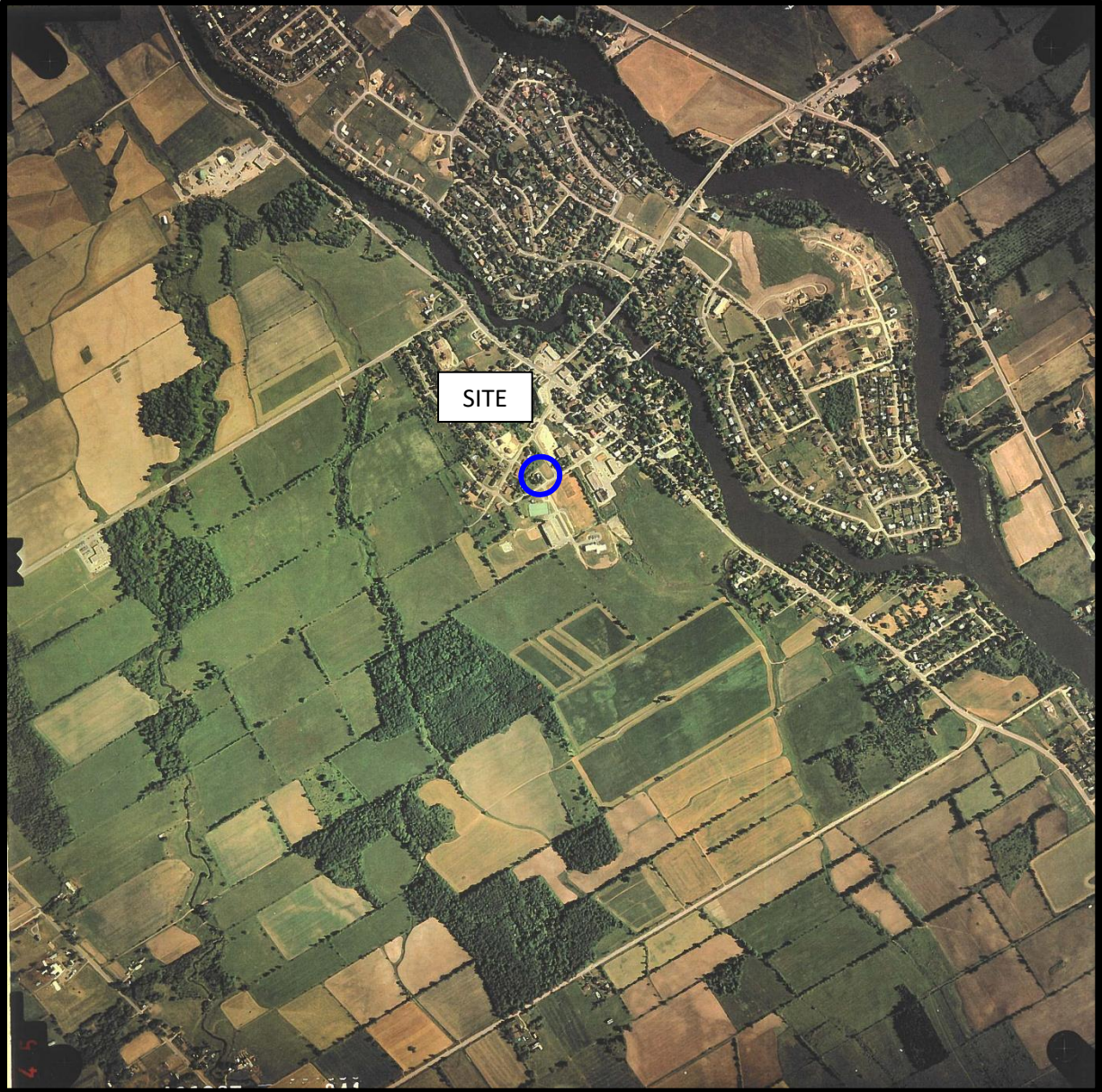
AERIAL PHOTOGRAPH
1936



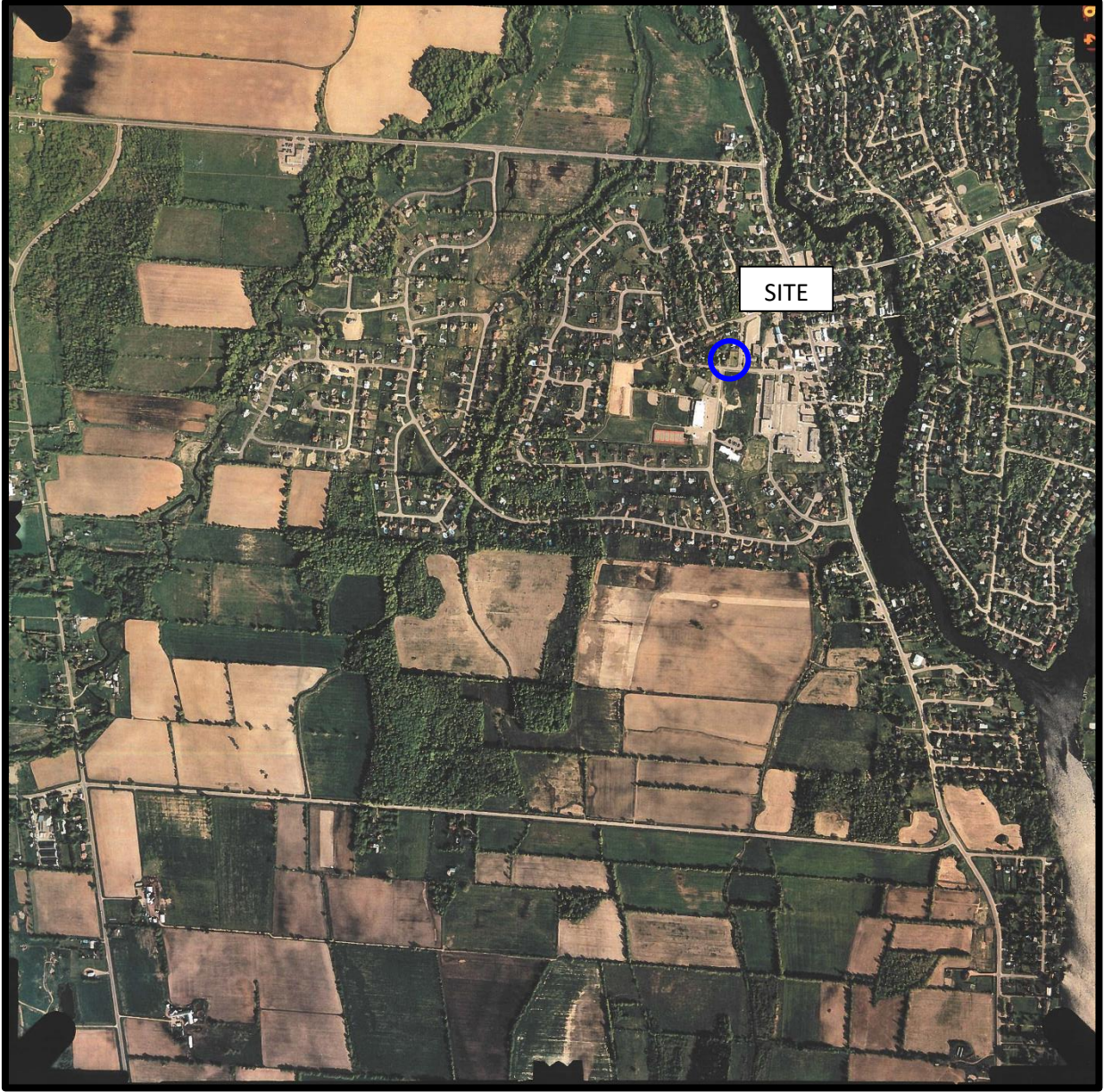
AERIAL PHOTOGRAPH
1960



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.



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

MECP WELL RECORDS

TSSA RESPONSE

HLUI RESPONSE

ERIS REPORT

**Ministry of the Environment,
Conservation and Parks**

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075

**Ministère de l'Environnement, de la
Protection de la nature et des Parcs**

Bureau de l'accès à l'information et
de la protection de la vie privée

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075



September 27, 2022

Jesse Andrechek
Paterson Group
154 Colonnade Road South
Ottawa, Ontario K2E 7J5
jandrechek@patersongroup.ca

Dear Jesse Andrechek:

RE: MECP FOI A-2022-01623, Your Reference PE5615 – Decision Letter

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 1185 Beaverwood Road, Ottawa.

After a thorough search through the files of the ministry's Ottawa District Office, Environmental Assessment and Permissions Division (EAPD), Environmental Monitoring and Reporting Branch (EMRB), Environmental Investigations and Enforcement Branch (EIEB), and Safe Drinking Water Branch (SDW) no records were located responsive to your request. **This file is now closed.**

To provide you with this response and in accordance with Section 57 of the Act, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at <http://www.ipc.on.ca>. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Tolani Abraham at Tolani.Abraham2@ontario.ca.

Yours truly,

ORIGINAL SIGNED BY

Ryan Gunn
Manager (A), Access and Privacy Office

April 21, 2022

Jesse Andrechek
Paterson Group Inc.

Sent via email [JAndrechek@patersongroup.ca]

Dear Jesse Andrechek,

**Re: Information Request
1185 Beaverwood Road, Ottawa, Ontario (“Subject Property”)**

Internal Department Circulation:

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- **Disposals and Environmental Remediation Unit:** The City’s Environmental Remediation Unit has environmental records on file pertaining to the subject property noted above either directly on or adjacent to the subject property. To submit requests for information under the Municipal Freedom of Information and Protection of Privacy Act, please visit <https://ottawa.ca/en/city-hall/accountability-and-transparency/accountability-framework/freedom-information-and-protection-privacy/access-information>

Documents Provided:

HLUI Summary Report and HLUI Map

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

Additional information may be obtained by contacting:

Ontario’s Environmental Registry

The Environmental Registry found at <https://ero.ontario.ca/> contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using key words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

Registration of real property is recorded in the Ontario Land Registry Office through the Land Titles Act or the Registry Act. Documents relating to title and other agreements that may affect your property are available to the public for a fee. It is recommended that a property search at the Land Registry Office be included in any investigation as to the historic use of your property. The City of Ottawa cannot comment on any documents to which it is not a party.

Court House
161 Elgin Street 4th Floor
Ottawa ON K2P 2K1
Tel: (613) 239-1230
Fax: (613) 239-1422

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database 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.

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.

Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact HLUI@ottawa.ca.

Sincerely,

Ashvinya Moorthy (She/Her)

Student Planner | Étudiante en Urbanism

Development Review West | Examen des projets d'aménagement Ouest

City of Ottawa | Ville d'Ottawa

613-580-2424 Ext. 23569

Ashvinaymoorthy.thatchinamoorthy@ottawa.ca

Per:

Michael Boughton, MCIP, RPP
Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

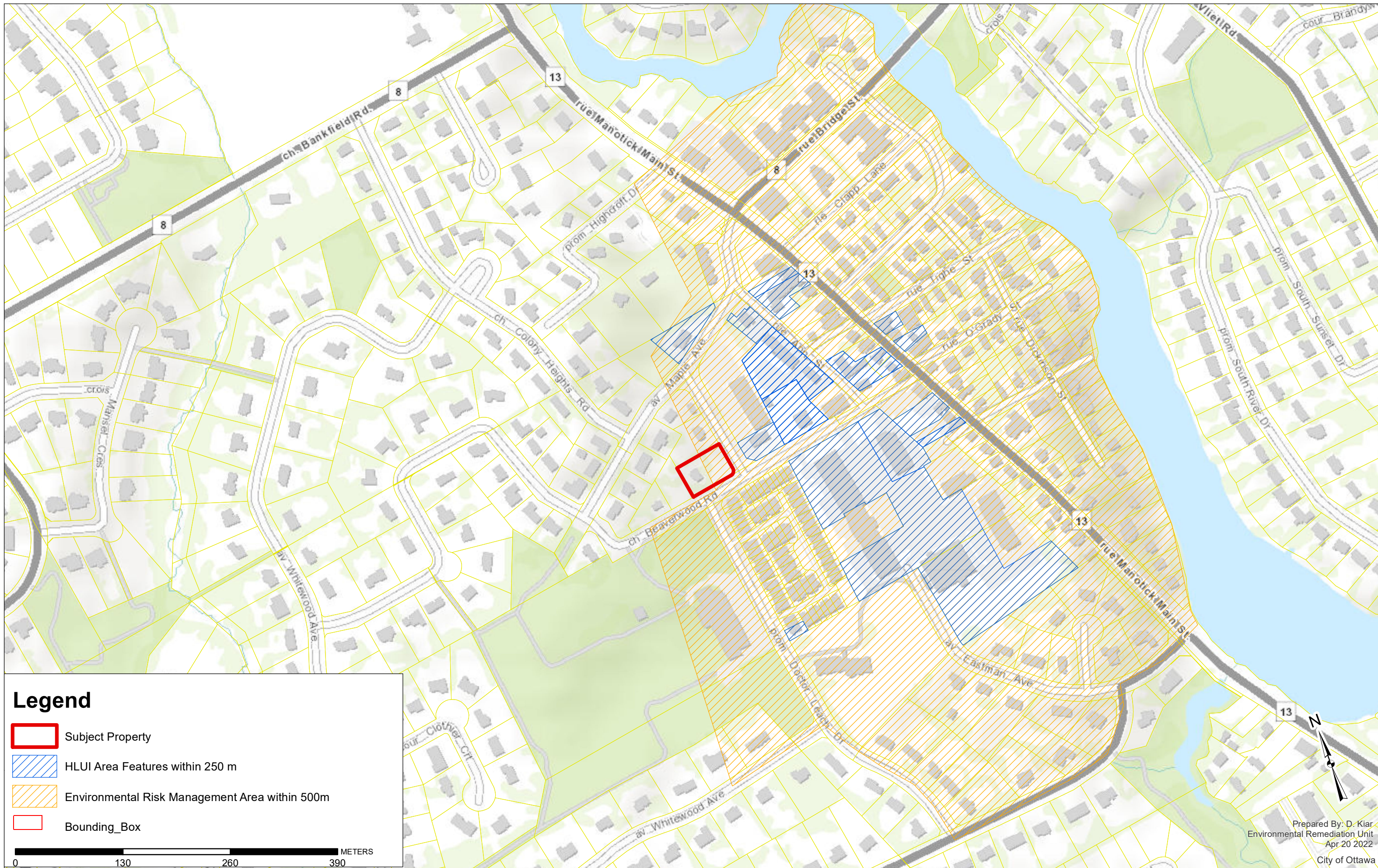
MB / AT

Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-22-0040

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



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

19 | R | 5101018 | 01615 | N

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

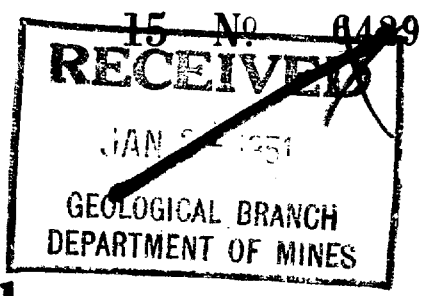
Basin | 2 | 5 | | | |

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.....

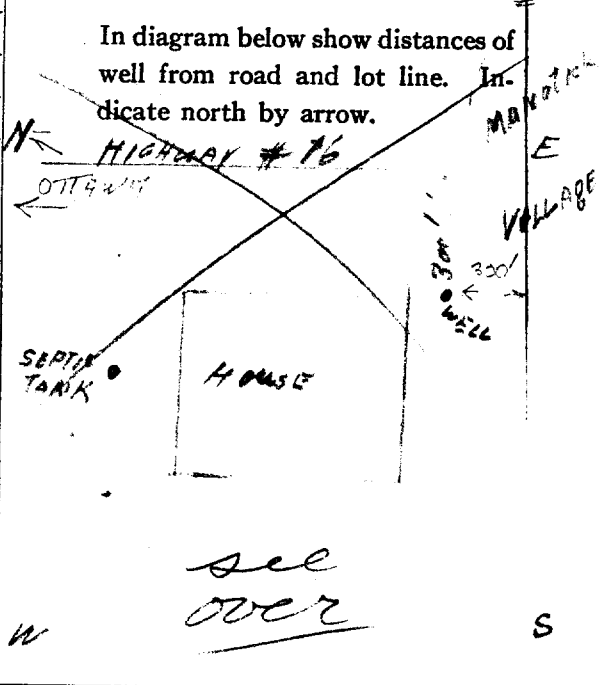
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
<u>60</u>	<u>Good</u>	<u>47</u>

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>

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 2 446 225 E

31649



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

6448

5 R 5007940 N

The Ontario Water Resources Commission

Elev. 4 R 0290

WATER WELL RECORD

Basin 25 1 CHARLETON

Township, Village, Town or City N. GOWER

Con. BF Lot #2

Date completed 8 SEP 61
(day month 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	Water 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>

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

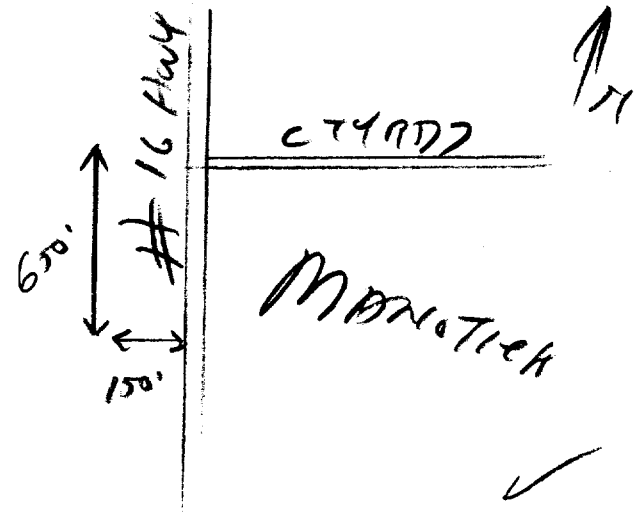
Address

Date NOV 7/61

M Meagher
(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

19R 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

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>

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

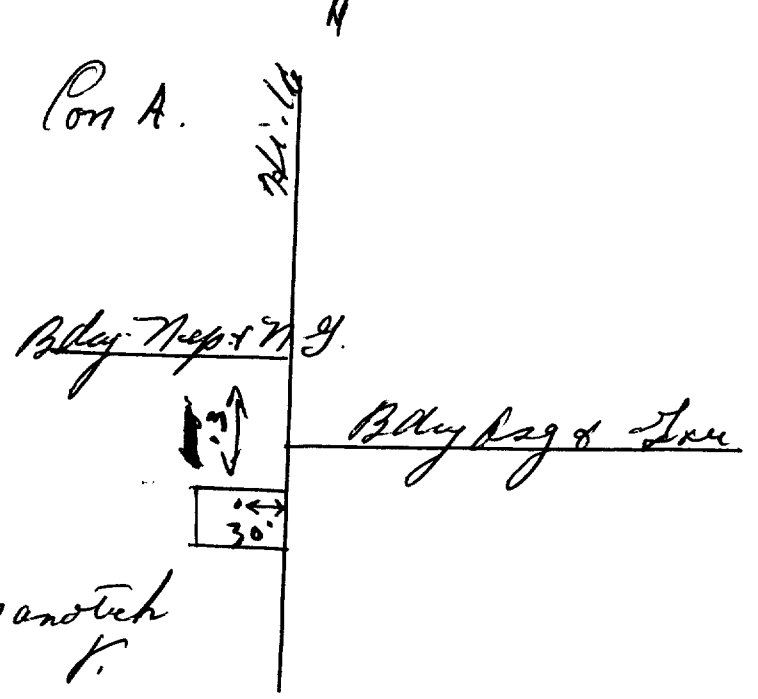
Licence Number 171

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 1182 4461155 E
19 R 5010810610 N

31249



The Water-well Drillers Act, 1954
 Department of Mines

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

Elev. 9 R 0290
 Basin 25 FRONT

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>

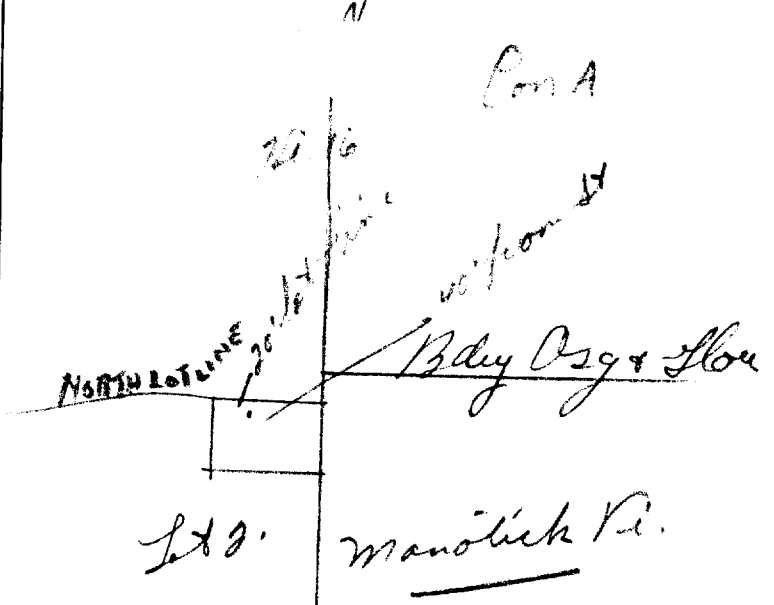
For what purpose(s) is the water to be used?
home
 Is water clear or cloudy? clear
 Is well on upland, in valley, or on hillside?
valley
 Drilling firm M. M. Meagher
 Address 639 Bawdwood Ave
Ottawa
 Name of Driller M. M. Meagher
 Address
 Licence Number 171

I certify that the foregoing statements of fact are true.

Date June 24 1954 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

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

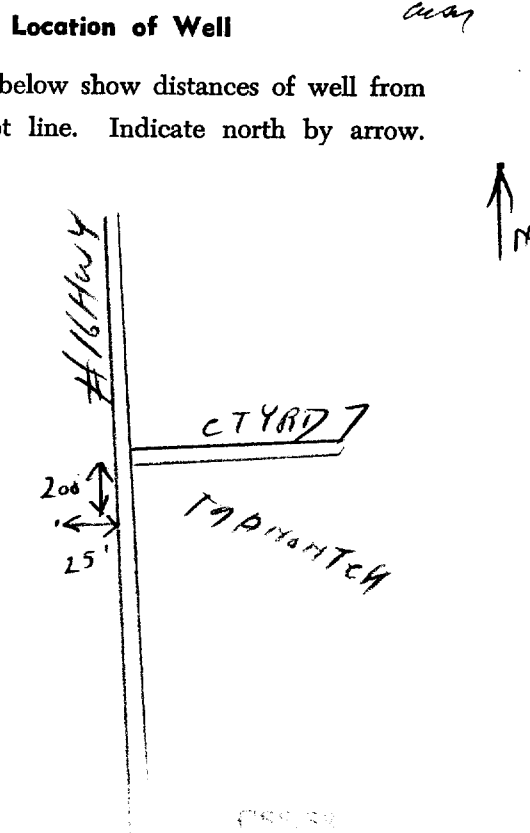
Static level 6
 Test-pumping rate 4 G.P.M.
 Pumping level 12
 Duration of test pumping 1 HR
 Water clear or cloudy at end of test CLEAR
 Recommended pumping rate 4 G.P.M.
 with pumping level of 12

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>

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 31G4g

15R 5101017191210 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

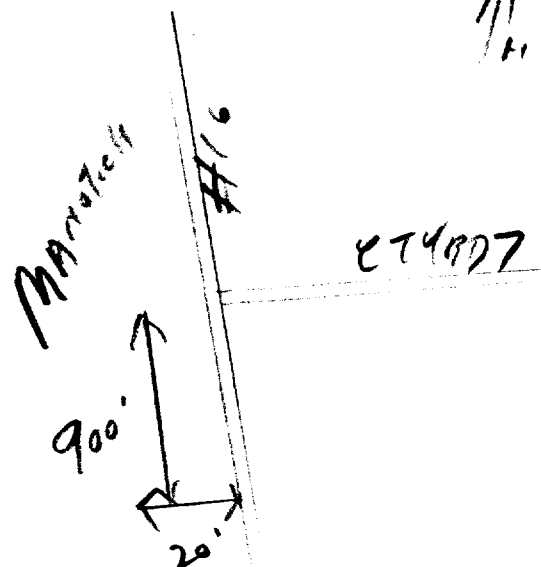
Address

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 | 4416116 | 0 | E 31649
 | 5 | R | 5007950 | N
 Elev. | 5 | R | 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 | |
 County or District | Carleton | Township, Village, Town or City | N. Gower
 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

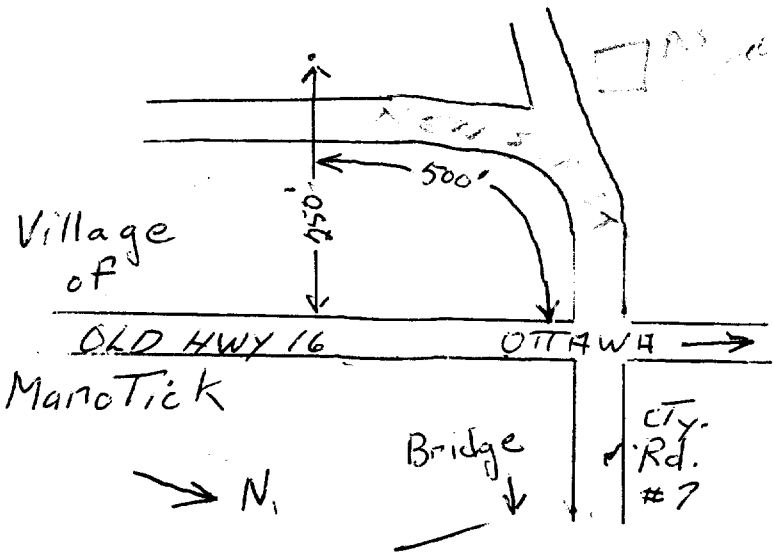
Well Log

Overburden and Bedrock Record	Water Record			
	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Fill	0	5		
Limestone	5	60	55-60	Fresh

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 | McBean Water Supply Ltd.
 Address | 1532 Raven Ave
 Ottawa
 Licence Number | 758
 Name of Driller or Borer | A. Scharf
 Address |
 Date | Feb 1, 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 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>GRAVEL</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

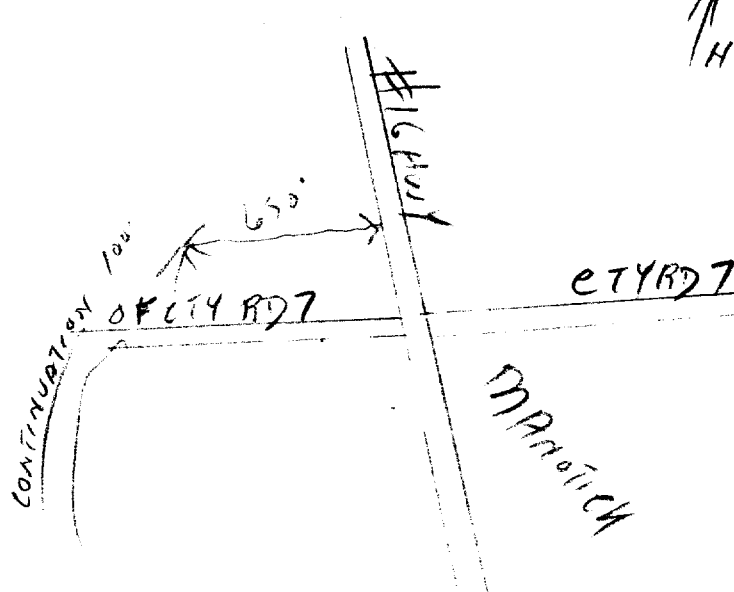
Address

Date NOV 26/60

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 5 01017191410 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, East, 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

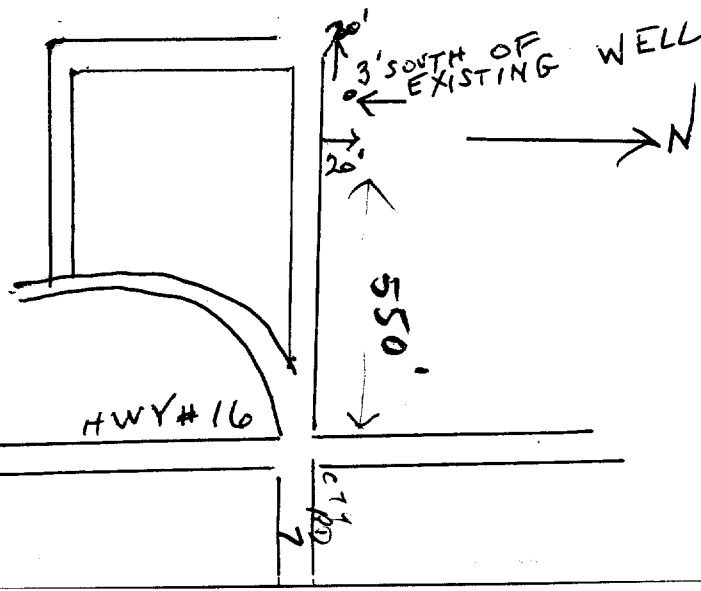
Address 90 Grove Ave. Ottawa, Ont.

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 |

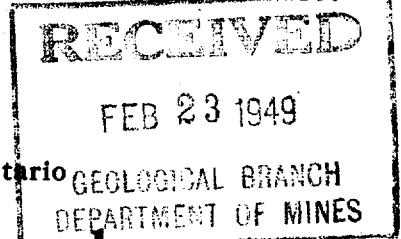
Basin | 25 |



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.

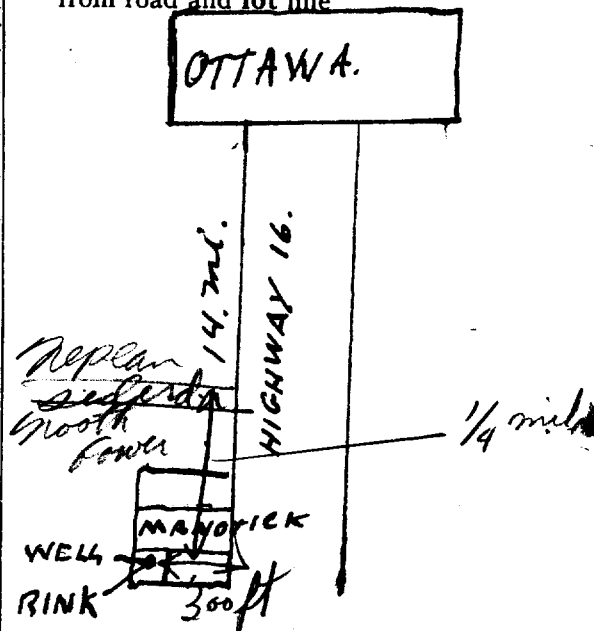
Top soil - clay 1.5' 5"

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

WATER WELL RECORD

1182446030

4R50679801

56R0305

251 CARLETON

County or District NORTH GOWER Township, Village, Town or City W. GOWER

Con. 771 AREA Lot 2 ST Date completed 2 SEPTEMBER 1968

Owner: [Redacted] (print in block letters)

Address MANOTICK.

Casing and Screen Record

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"

Pumping Test

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

	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>BOULDERS + GRAVEL</u>	<u>0</u>	<u>38 FT</u>		
<u>LIMESTONE</u>	<u>38</u>	<u>85 FT</u>	<u>85</u>	<u>F</u>

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

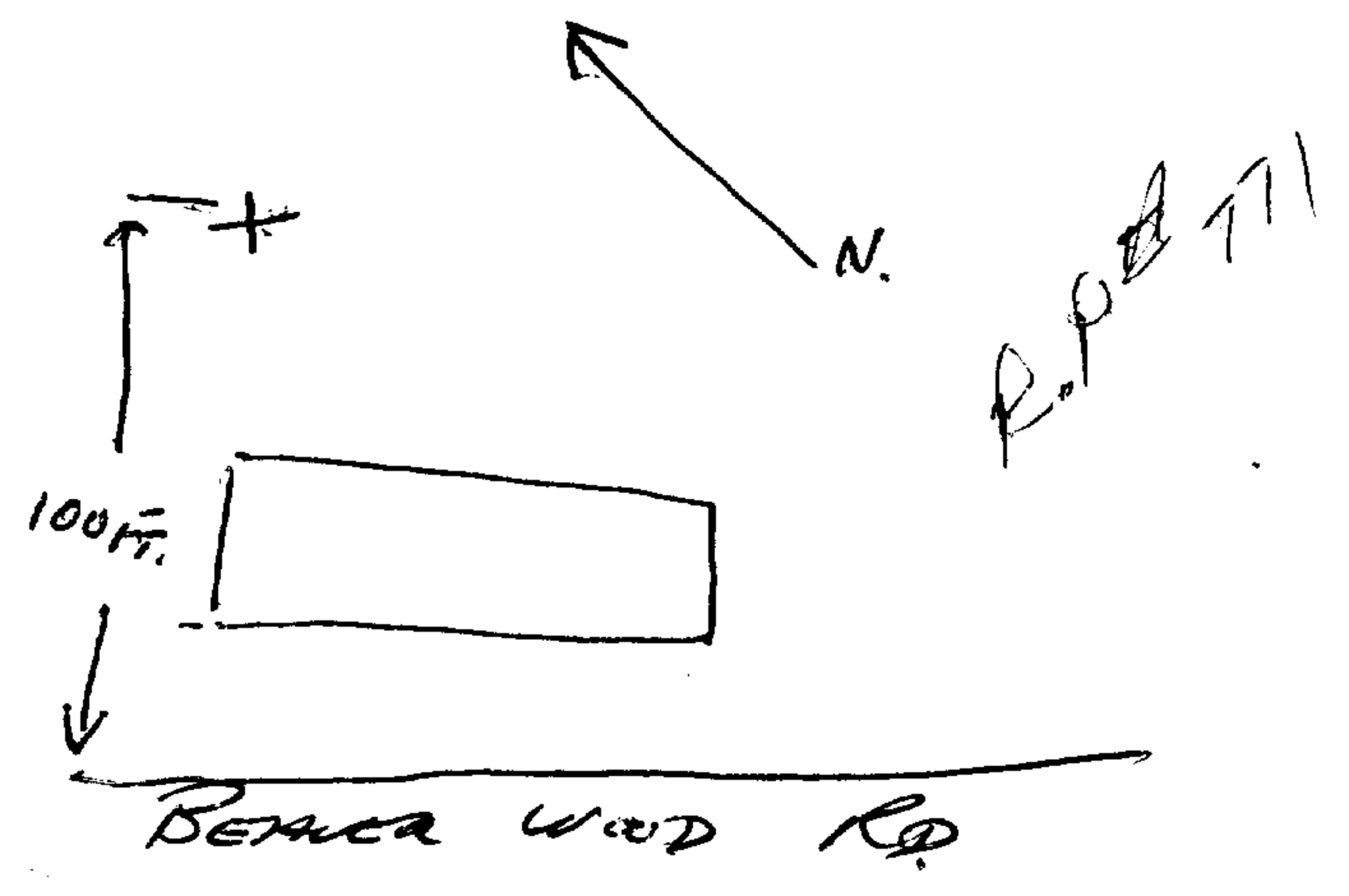
Address 2898 HAUGHTON ST

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

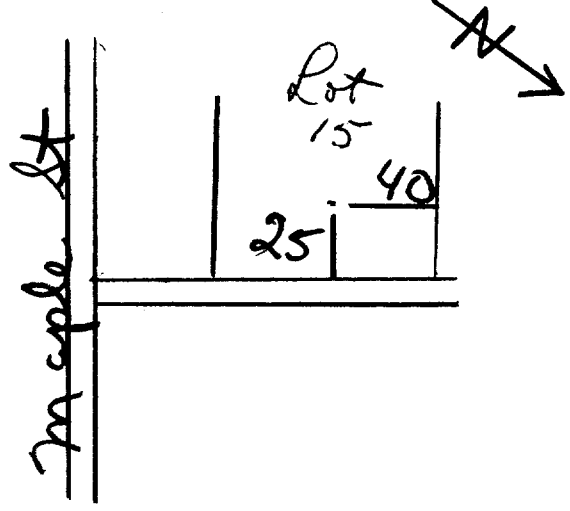
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>sandy clay & boulders</u>	<u>0</u>	<u>35'</u>	<u>116</u>	<u>fresh</u>
<u>sand</u>	<u>35</u>	<u>42</u>		
<u>hardpan</u>	<u>42</u>	<u>57</u>		
<u>limestone</u>	<u>57</u>	<u>117</u>		

Water Record

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

316/45 P

Water management in Ontario

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

11

1510183

MUNICIP. 15904

CON. BF

COUNTY OR DISTRICT

Carleton

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

Hamstead North Gower

CON., BLOCK, TRACT, SURVEY, ETC.

Wilkes Ave

LOT

25-27

DATE COMPLETED

DAY 28 MO. 09 YR. 69

07970

4

ELEVATION 0305

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	boulders		0	21
brown	sand	stone		21	48
grey	hardpan			48	55
grey	limestone			55	101

31	002160513	004860912	0055214	0101215
32				

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0100	1 <input checked="" type="checkbox"/> FRESH 2 <input checked="" type="checkbox"/> SALTY 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL
15-18	1 <input 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

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
05	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	.188	0	58
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE			0101
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

61 SCREEN RECORD

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

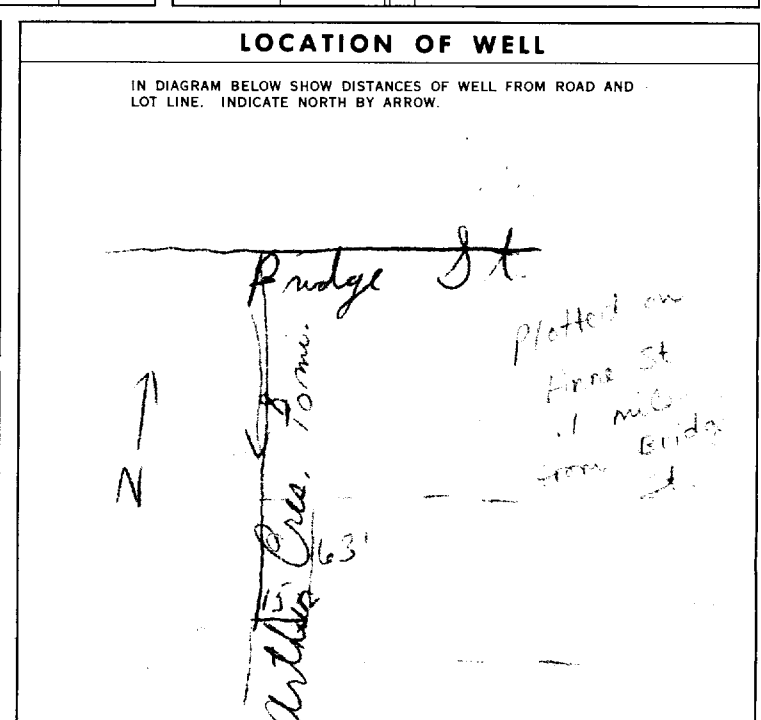
MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: _____ FEET

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	1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	PUMPING RATE	0010 GPM.	DURATION OF PUMPING	01 HOURS 00 MINS.
STATIC LEVEL	050 FEET	WATER LEVEL END OF PUMPING	055 FEET	WATER LEVELS DURING PUMPING	15 MINUTES: 060 30 MINUTES: 060 45 MINUTES: 065 60 MINUTES: 065
IF FLOWING, GIVE RATE		PUMP INTAKE SET AT		WATER AT END OF TEST	<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	080 FEET	RECOMMENDED PUMPING RATE	0010 GPM.
50-53	000.7 GPM./FT. SPECIFIC CAPACITY				



FINAL STATUS OF WELL

54	1 <input checked="" type="checkbox"/> WATER SUPPLY 2 <input type="checkbox"/> OBSERVATION WELL 3 <input type="checkbox"/> TEST HOLE 4 <input type="checkbox"/> RECHARGE WELL	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY 6 <input type="checkbox"/> ABANDONED, POOR QUALITY 7 <input type="checkbox"/> UNFINISHED
55-56	1 <input checked="" type="checkbox"/> DOMESTIC 2 <input type="checkbox"/> STOCK 3 <input type="checkbox"/> IRRIGATION 4 <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER	5 <input type="checkbox"/> COMMERCIAL 6 <input type="checkbox"/> MUNICIPAL 7 <input type="checkbox"/> PUBLIC SUPPLY 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING 9 <input type="checkbox"/> NOT USED
57	1 <input checked="" type="checkbox"/> CABLE TOOL 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) 3 <input type="checkbox"/> ROTARY (REVERSE) 4 <input type="checkbox"/> ROTARY (AIR) 5 <input type="checkbox"/> AIR PERCUSSION	6 <input type="checkbox"/> BORING 7 <input type="checkbox"/> DIAMOND 8 <input type="checkbox"/> JETTING 9 <input type="checkbox"/> DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	Henry Mains Well Drilling	LICENCE NUMBER	3520
ADDRESS	Box 326 Richmond Ont.		
NAME OF DRILLER OR BORE	Herward Scott	LICENCE NUMBER	
SIGNATURE OF CONTRACTOR	Henry Mains	SUBMISSION DATE	1 Sep 69

OFFICE USE ONLY

DATA SOURCE	1	CONTRACTOR	3644	DATE RECORDED	190969
DATE OF INSPECTION		INSPECTOR			
REMARKS:	Plotted				



WATER WELL RECORD

31649

Water management in Ontario

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

11 1510575

MUNICIP. 15004

CON. 15004

COUNTY OR DISTRICT Carleton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE North Gower Township	CON., BLOCK, TRACT, SURVEY, ETC. Reg Plan 771	LOT A
OWNER (SURNAME FIRST) M. Loeb Ltd.	ADDRESS 400 Industrial Avenue, Ottawa, Ont.	DATE COMPLETED DAY 22 MO 04 YR 1970	

ZONE 18	EASTING 446080	NORTHING 5007915	RC 4	ELEVATION 2300	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	Limestone -	Badly Fractured		5'	19'
Grey	Limestone		Hard Lenses	19'	47'6"
API					

31	0005123	0048215
32		

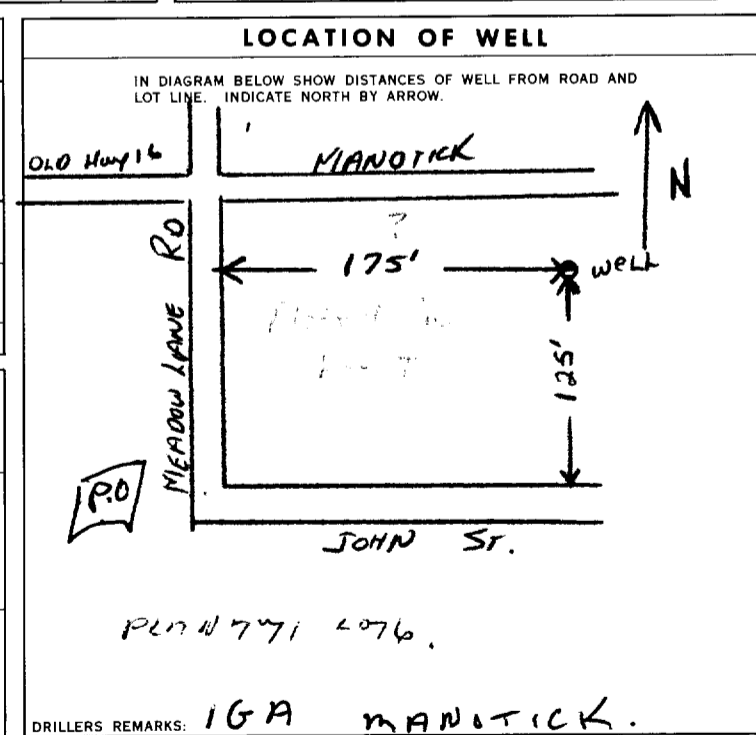
41 WATER RECORD			
WATER FOUND AT - FEET	KIND OF WATER		
10-13 0040	1 <input checked="" type="checkbox"/> FRESH 2 <input checked="" type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL	14
15-18 42	1 <input checked="" type="checkbox"/> FRESH 2 <input checked="" type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL	19
20-23	1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL	24
25-28	1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL	29
30-33	1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL	34

51 CASING & OPEN HOLE RECORD				
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
10-11 06	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	.188	FROM	TO
17-18 06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		0	20
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		20	47'6"

SCREEN	SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH 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		

71 PUMPING TEST METHOD		10 PUMPING RATE	11-14 DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER		0040 GPM.	15-16 HOURS 12 17-18 MINS. 00
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	
19-21 008	22-24 020	15 MINUTES 017	30 MINUTES 019
		45 MINUTES 019	60 MINUTES 020
IF FLOWING, GIVE RATE	38-41 PUMP INTAKE SET AT	42 WATER AT END OF TEST	
N/A	29 GPM.	1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY	
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE	
<input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	030	40 GPM.	
50-53 003.3 GPM./FT. SPECIFIC CAPACITY			



54 FINAL STATUS OF WELL	1 <input checked="" type="checkbox"/> WATER SUPPLY 2 <input type="checkbox"/> OBSERVATION WELL 3 <input type="checkbox"/> TEST HOLE 4 <input type="checkbox"/> RECHARGE WELL	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY 6 <input type="checkbox"/> ABANDONED, POOR QUALITY 7 <input type="checkbox"/> UNFINISHED
55-56 WATER USE	1 <input type="checkbox"/> DOMESTIC 2 <input type="checkbox"/> STOCK 3 <input type="checkbox"/> IRRIGATION 4 <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER	5 <input checked="" type="checkbox"/> COMMERCIAL 6 <input type="checkbox"/> MUNICIPAL 7 <input type="checkbox"/> PUBLIC SUPPLY 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING 9 <input type="checkbox"/> NOT USED
57 METHOD OF DRILLING	1 <input checked="" type="checkbox"/> CABLE TOOL 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) 3 <input type="checkbox"/> ROTARY (REVERSE) 4 <input type="checkbox"/> ROTARY (AIR) 5 <input type="checkbox"/> AIR PERCUSSION	6 <input type="checkbox"/> BORING 7 <input type="checkbox"/> DIAMOND 8 <input type="checkbox"/> JETTING 9 <input type="checkbox"/> DRIVING

CONTRACTOR	NAME OF WELL CONTRACTOR F.E. Johnston Drilling Co Ltd.	LICENCE NUMBER 3002
	ADDRESS Box 4134, Stn. "E", Ottawa, Ontario.	
	NAME OF DRILLER OR BORER Mc Gibbons	LICENCE NUMBER
SIGNATURE OF CONTRACTOR <i>F.E. Johnston</i>	SUBMISSION DATE DAY 15 MO 5 YR 1970	

OFFICE USE ONLY	DATA SOURCE 1	58 CONTRACTOR 3002	59-62 DATE RECEIVED 250570	63-68
	DATE OF INSPECTION	INSPECTOR Q P/Km		
	REMARKS:			



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.**

HING: **007950** RC: **4** ELEVATION: **0310** RC: **6** 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	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	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
3 3/8 10-11	1 <input checked="" type="checkbox"/> STEEL	1/8	0 78
05 17-18	2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		40 98
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		0091 27-30

SCREEN

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

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

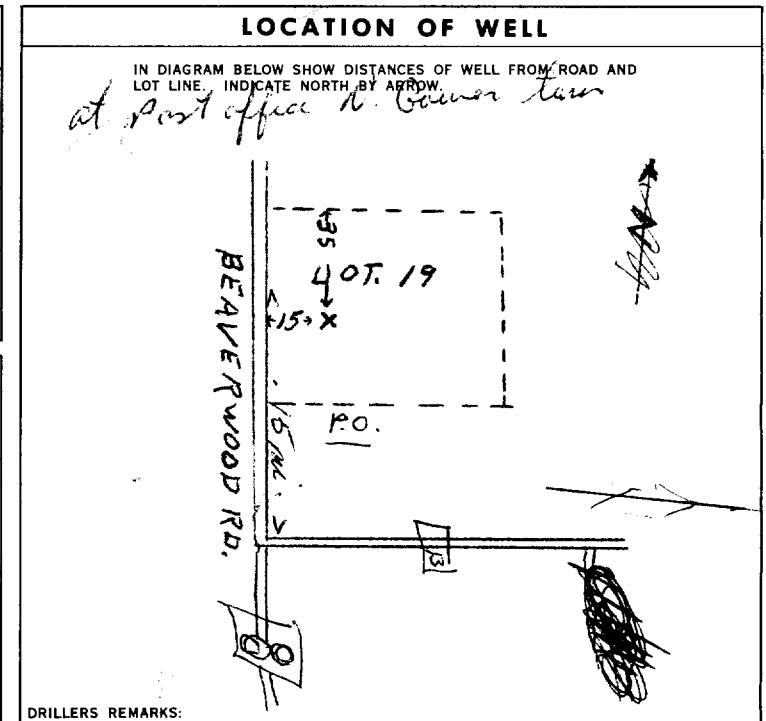
61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE
10-13 14-17	
18-21 22-25	
26-29 30-33 80	

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	0010 GPM	01 15-16 HOURS 00 17-18 MINS.
STATIC LEVEL: 035 FEET	WATER LEVEL END OF PUMPING: 045 FEET	WATER LEVELS DURING PUMPING: 045 FEET
IF FLOWING, GIVE RATE: _____ GPM	PUMP INTAKE SET AT: _____ FEET	WATER AT END OF TEST: _____ FEET
RECOMMENDED PUMP TYPE: <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING: _____ FEET	RECOMMENDED PUMPING RATE: _____ GPM

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



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: *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 07 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

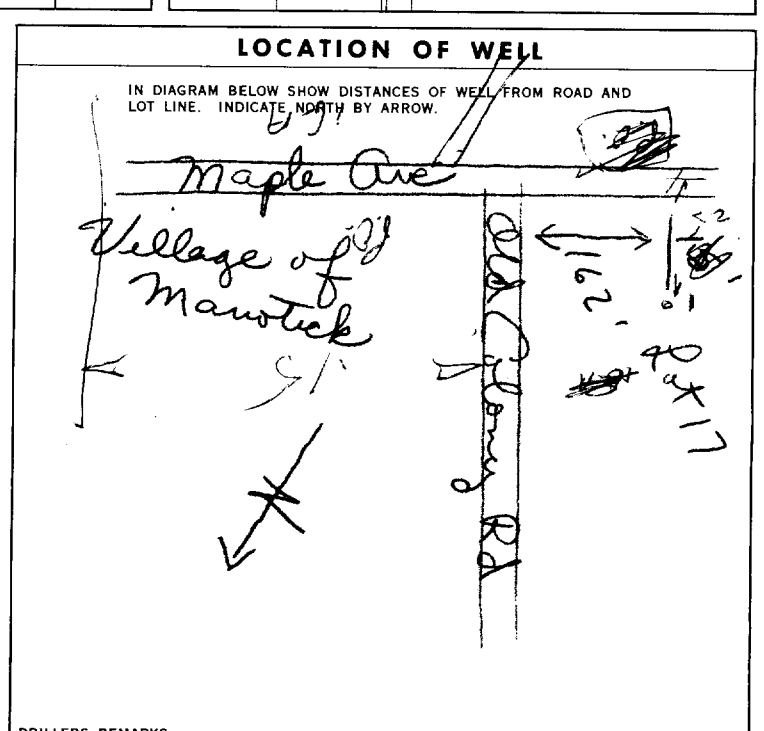
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN

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, 30 MINUTES: 080, 45 MINUTES: 080, 60 MINUTES: 080
RECOMMENDED PUMP TYPE	<input checked="" type="checkbox"/> DEEP
RECOMMENDED PUMP SETTING	080 FEET
RECOMMENDED PUMPING RATE	0005 GPM.



FINAL STATUS OF WELL

WATER USE

METHOD OF DRILLING

CONTRACTOR

Capital Water Supply 1558

14 Ashford Dr Ottawa

B Bisson

CONTRACTOR LICENCE NUMBER

1558

DATE RECEIVED

190871

OFFICE USE ONLY

DATE OF INSPECTION

INSPECTOR

REMARKS:

OWRC COPY



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.: #BF 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 0009090801 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		
	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
5.8	STEEL	188	0	50
05	GALVANIZED		50	0050
	CONCRETE			
	OPEN HOLE			
17-18	STEEL			0120
	GALVANIZED			0080
	CONCRETE			
	OPEN HOLE			
24-25	STEEL			27-30
	GALVANIZED			
	CONCRETE			
	OPEN HOLE			

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: 8 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

IF FLOWING, GIVE RATE: _____ PUMP INTAKE SET AT: _____ WATER AT END OF TEST: _____

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 075 FEET

RECOMMENDED PUMPING RATE: 0005 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 LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Dr Ottawa

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

SIGNATURE OF CONTRACTOR: Halter Lavanash SUBMISSION DATE: _____

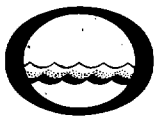
OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 190871

DATE OF INSPECTION: _____ INSPECTOR: _____

REMARKS: _____

P: h
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
1 2

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MUNICIP.

15004

CON.

00N

A

COUNTY OR DISTRICT

Carleton

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

North Lower

CON. BLOCK, TRACT, SURVEY, ETC.

A

LOT 25-27

002

DATE COMPLETED 48-53

DAY 26 MO 08 YR 71

Nowan Ontario

007760

4

0320

5

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

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
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

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd 1558
ADDRESS: 14 Ashford Dr. Ottawa
NAME OF DRILLER OR BORER: Bob. Brisson
SIGNATURE OF CONTRACTOR: Walter Lavanagh
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: P K
WI

OWRC COPY



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. CWN

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

71 PUMPING TEST

PUMPING TEST METHOD: PUMP BAILER

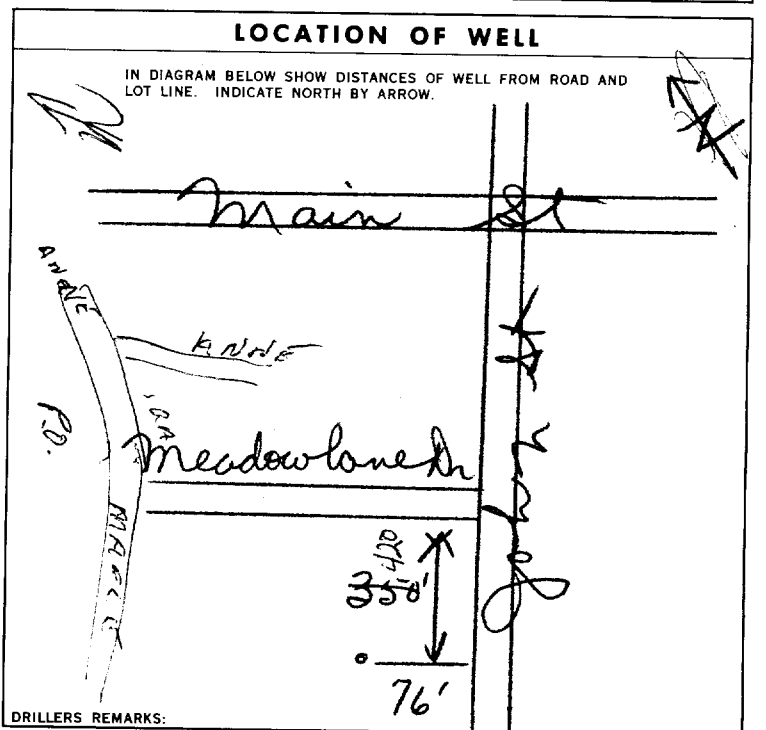
PUMPING RATE: 0008 GPM. DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING			
030 FEET	075 FEET	15 MINUTES: 075 FEET	30 MINUTES: 075 FEET	45 MINUTES: 075 FEET	60 MINUTES: 075 FEET

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 080 FEET

RECOMMENDED PUMPING RATE: 0005 GPM.



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

AIR PERCUSSION BORING

CABLE TOOL DIAMOND

ROTARY (CONVENTIONAL) JETTING

ROTARY (REVERSE) DRIVING

ROTARY (AIR)

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

31949

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED

2. CHECK CORRECT BOX WHERE APPLICABLE

11

1511479

MUNICIP.

15004

CON.

14

1A

COUNTY OR DISTRICT Carl	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE North Gower	CON., BLOCK, TRACT, SURVEY, ETC. A	LOT 25-27
OWNER (SURNAME FIRST) Spicer	ADDRESS Const. Ltd Richmond Ont	DATE COMPLETED DAY 02 MO 09 YR 71	48-53
ZONE 18	EASTING 445840	NORTHING 5007870	RC 4
UTM 21	ELEVATION 0320	RC 15	BASIN CODE 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<i>brown</i>	<i>sand</i>	<i>clay</i>	<i>packed</i>	0	18
<i>grey</i>	<i>hardpan</i>	<i>boulders</i>	<i>"</i>	18	34
<i>"</i>	<i>lime</i>		<i>hard</i>	34	89

31	<i>001860908</i>	<i>003421413</i>	<i>0089215</i>
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
<i>6.75</i>	<input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<i>1.88</i>	0	<i>0036</i>
<i>06</i>	<input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		36	<i>89</i>
<i>06</i>	<input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			<i>0089</i>
<i>24-25</i>	<input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

SCREEN

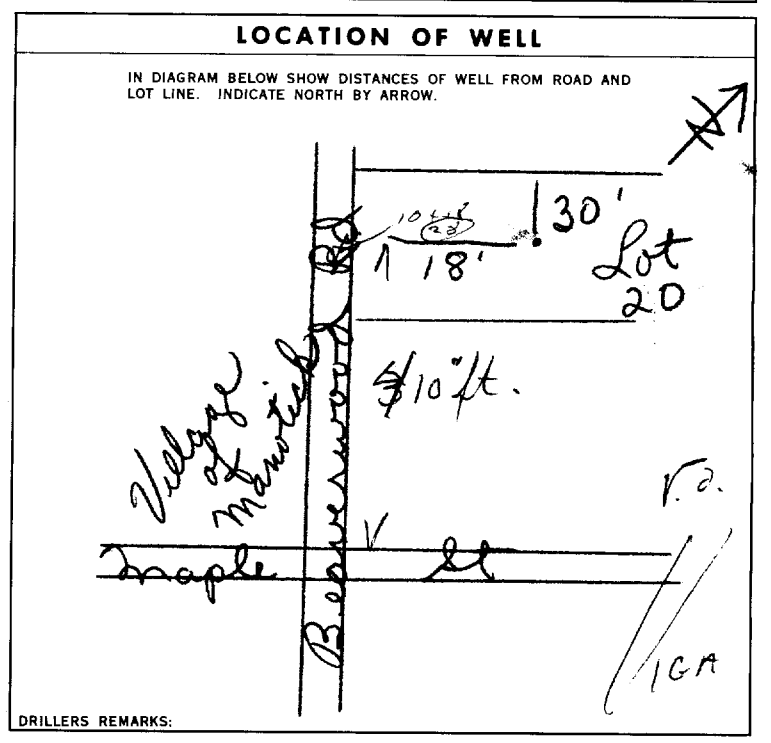
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		41-44
		80

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	

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	<i>0008</i> GPM	15-16 HOURS 17-18 MINS. <i>01 00</i>
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
19-21	22-24	15 MINUTES 26-28 30 MINUTES 29-31 45 MINUTES 32-34 60 MINUTES 35-37
<i>018</i> FEET	<i>070</i> FEET	<i>070</i> FEET <i>070</i> FEET <i>070</i> FEET <i>070</i> FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	GPM	1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	<i>070</i> FEET	<i>0005</i> GPM
50-53 <i>000.2</i> GPM./FT. SPECIFIC CAPACITY		



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	LICENCE NUMBER 1558
ADDRESS 14 Ashford Dr Ottawa	
NAME OF DRILLER OR BORER B Bisson	LICENCE NUMBER
SIGNATURE OF CONTRACTOR Chatter Lavanya	SUBMISSION DATE MO _____ YR _____

OFFICE USE ONLY

DATA SOURCE 1	CONTRACTOR 1558	DATE RECEIVED 201071
DATE OF INSPECTION	INSPECTOR Km	
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: 0323 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

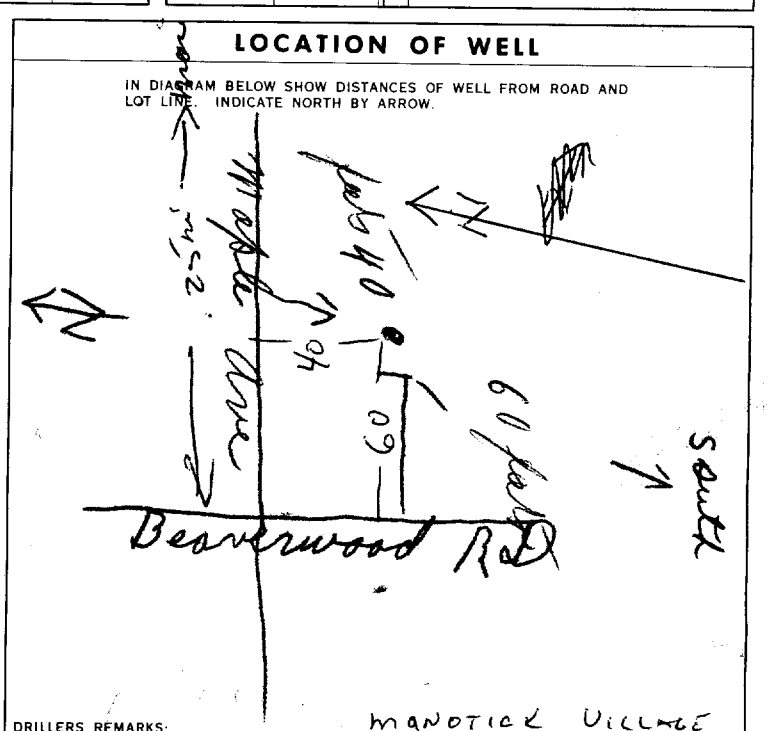
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	STEEL		0	18-16
12	GALVANIZED			36
17-18	STEEL			20-23
24-25	STEEL			27-30

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 type="checkbox"/> CLEAR
		<input checked="" type="checkbox"/> CLOUDY
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

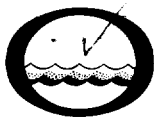
57 CABLE TOOL 6 BORING
 ROTARY (CONVENTIONAL) 7 DIAMOND
 ROTARY (REVERSE) 8 JETTING
 ROTARY (AIR) 9 DRIVING
 AIR PERCUSSION

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	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
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	0037
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE			0084
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

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 TRAILER

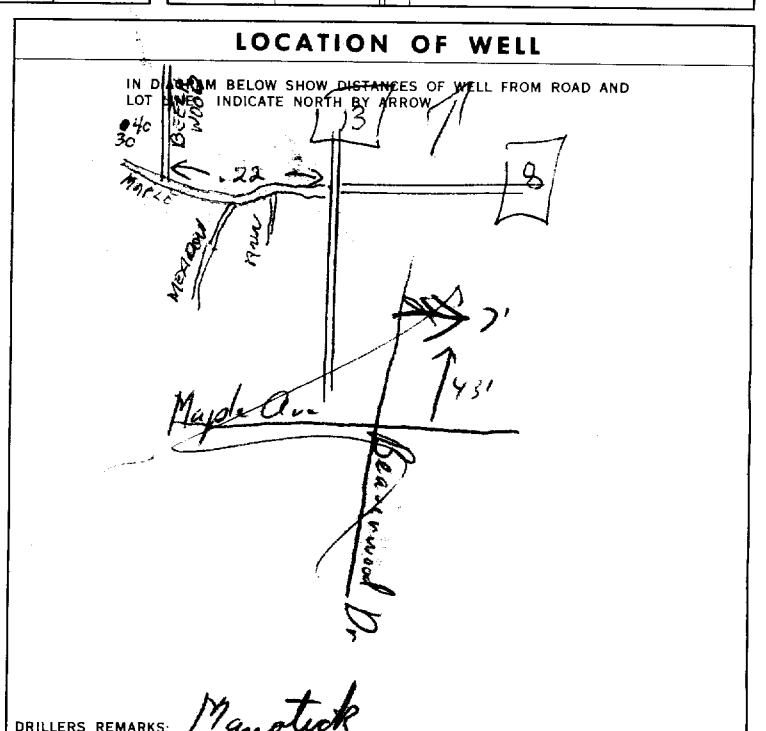
PUMPING RATE: 0020 GPM. DURATION OF PUMPING: 01 HOURS 00 MINS.

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: 38-41 GPM. PUMP INTAKE SET AT: 050 FEET. WATER AT END OF TEST: 00/0 FEET.

RECOMMENDED PUMP TYPE: SHALLOW DEEP. RECOMMENDED PUMP SETTING: 050 FEET. RECOMMENDED PUMPING RATE: 00/0 GPM.

50-53 000.7 GPM./FT. SPECIFIC CAPACITY



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

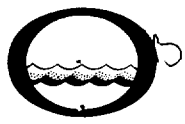
1 CABLE TOOL 6 BORING
2 ROTARY (CONVENTIONAL) 7 DIAMOND
3 ROTARY (REVERSE) 8 JETTING
4 ROTARY (AIR) 9 DRIVING
5 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: Henry Manis Well Drilling LICENCE NUMBER: 3644
ADDRESS: Bldg 326, Richmond Ont.
NAME OF DRILLER OR BOREH: George Whittaker
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



The Ontario Water Resources Commission Act

WATER WELL RECORD

3164g A

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED

2. CHECK CORRECT BOX WHERE APPLICABLE

11 | 1512263 | 15004 | CON | 1A |

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: North Gower CON., BLOCK, TRACT, SURVEY, ETC.: Maple ave A" LOT: 18002

OWNER (SURNAME FIRST): [REDACTED] ADDRESS: Manastick DATE COMPLETED: 09 MO. 11 YR. 72

HING: 027810 RC: 9 ELEVATION: 0322 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
<u>Grey</u>	<u>hard pan</u>	<u>stone</u>		<u>0</u>	<u>39</u>
<u>Grey</u>	<u>limestone</u>			<u>39</u>	<u>80</u>

31 | 003921/1121 | 008021/15

32 |

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
<u>0080</u>	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
	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
<u>05"</u>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<u>188</u>	<u>0</u>	<u>39</u>
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			<u>0039</u>
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			<u>20-23</u>
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			<u>27-30</u>

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

1 PUMP 2 BAILER

10 PUMPING RATE: 0010 GPM

11-14 DURATION OF PUMPING: 01 HOURS 00 MINS.

15-16 WATER LEVELS DURING PUMPING: 040 FEET

17-18 WATER AT END OF TEST: 030 FEET

19-21 PUMP INTAKE SET AT: 0010 FEET

22-24 PUMP INTAKE SET AT: 060 FEET

25-28 PUMP INTAKE SET AT: 060 FEET

29-31 PUMP INTAKE SET AT: 060 FEET

32-34 PUMP INTAKE SET AT: 060 FEET

35-37 PUMP INTAKE SET AT: 060 FEET

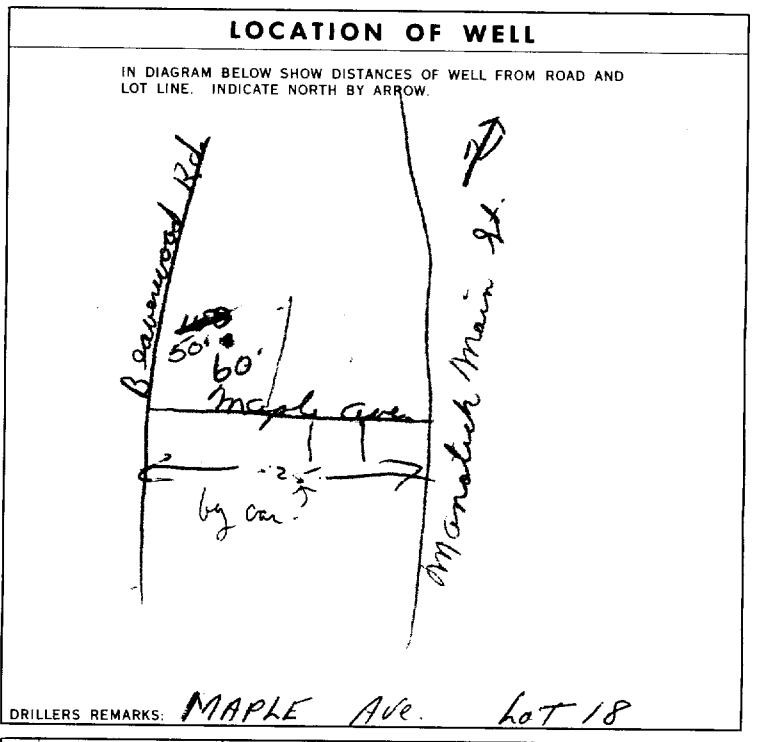
38-41 PUMP INTAKE SET AT: 060 FEET

42 PUMP INTAKE SET AT: 060 FEET

43-45 RECOMMENDED PUMP SETTING: 060 FEET

46-49 RECOMMENDED PUMPING RATE: 0035 GPM.

50-53 SPECIFIC CAPACITY: 000.5 GPM./FT.



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: Maurice Cayer LICENCE NUMBER: 1517

ADDRESS: Casselman Ont.

NAME OF DRILLER OR BORER: [REDACTED] LICENCE NUMBER: [REDACTED]

SIGNATURE OF CONTRACTOR: Maurice Cayer SUBMISSION DATE: DAY 09 MO. 11 YR. 72

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1517 DATE RECEIVED: 110173

DATE OF INSPECTION: [REDACTED] INSPECTOR: K

REMARKS: P
W



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

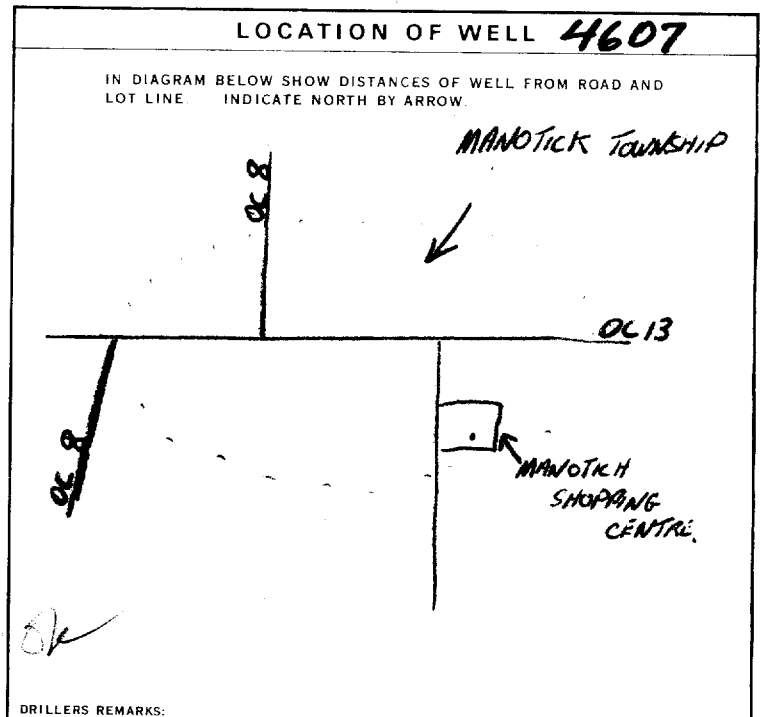
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
31-33	34-38	39-40
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		41-44 80

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	PUMPING RATE GPM	DURATION OF PUMPING HOURS MINS
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	0030	02 00
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
008	075	15 MINUTES 075 30 MINUTES 075 45 MINUTES 075 60 MINUTES 075
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT GPM	WATER AT END OF TEST
	75	1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMP RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	075	0005



54 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	

55-56 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

57 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: MAPLE LEAF DRILLING
LICENCE NUMBER: 3658
ADDRESS: 409-465 RICHMOND RD OTTAWA
NAME OF DRILLER OR BORER: MR. R. BISSON
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

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

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

11 15142361

MUNICIP. _____ CON. _____

COUNTY OR DISTRICT Carleton	TOWNSHIP, PARISH OR CITY, TOWNSHIP, PARISH Rideau	SECTION A	DATE COMPLETED DAY 19 MO 7 YR 74
OWNER (SURNAME FIRST) [REDACTED]	ADDRESS Box 178 Manotick, Ontario		

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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	160

31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-15 178	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 1/2	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	1 1/2	0	60
5 1/2	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	1 1/2	60	180
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	1 1/2		20-23
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	1 1/2		27-30

SCREEN

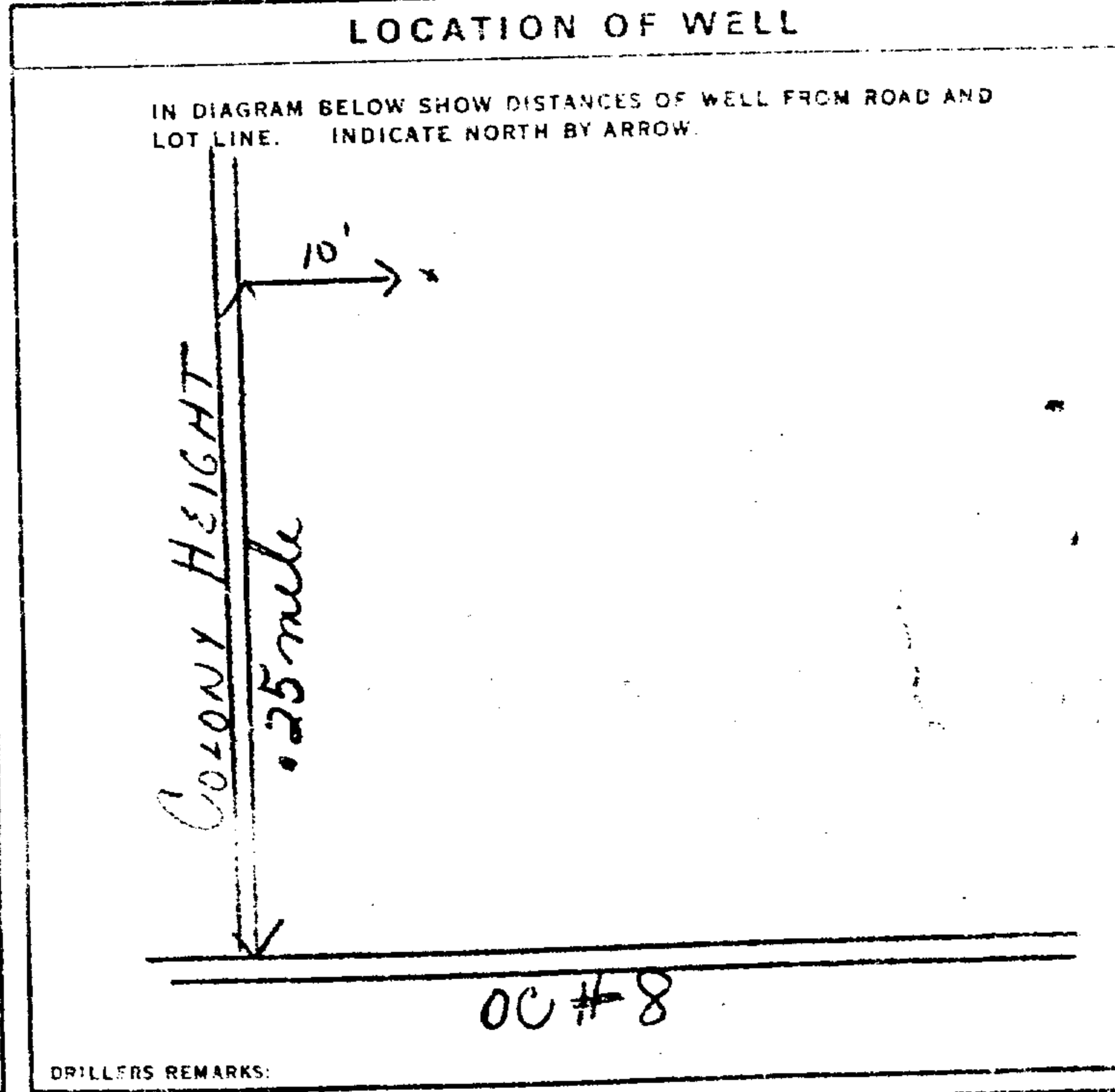
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE 20 GPM	DURATION OF PUMPING 1 15-16 HOURS
STATIC LEVEL 20 FEET	WATER LEVEL END OF PUMPING 50 FEET	WATER LEVELS DURING 15 MINUTES: 50 FEET 30 MINUTES: 50 FEET 45 MINUTES: 50 FEET 60 MINUTES: 50 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT GPM	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 65 FEET	RECOMMENDED PUMPING RATE 5 GPM



74 FINAL STATUS OF WELL

75 WATER USE

76 METHOD OF DRILLING

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 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
9 <input type="checkbox"/> OTHER	9 <input type="checkbox"/> NOT USED

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

CONTRACTOR

NAME OF WELL CONTRACTOR
Capital Water Supply Ltd.

ADDRESS
Box 490 Stittsville, Ontario

NAME OF DRILLER OR BORER
M. Hamilton

LICENCE NUMBER
1558

SUBMISSION DATE
22 MO **7** YR **74**

OFFICE USE ONLY

DATA SOURCE
220874

DATE OF INSPECTION

INSPECTOR

REMARKS

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Ontario

WATER WELL RECORD

316/4

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

11 1514236

MUNICIP. 15004 CON. CAN A

COUNTY OR DISTRICT Carleton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE N. GOWER	CON., BLOCK, TRACT, SURVEY, ETC. A	LOT NO. 25-27 002
ADDRESS Box 178 Manotick, Ontario			DATE COMPLETED DAY 19 MO 07 YR 74

WELL NO. **002062813** **005821413** **0135815** **0180118**

WELL ID. **002062813** **005821413** **0135815** **0180118**

WELL ID. **002062813** **005821413** **0135815** **0180118**

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** **005821413** **0135815** **0180118**

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	14
0178	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	19
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	24
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	29
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	34-30
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		

51 CASING & OPEN HOLE RECORD

WELL ID.	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06	1 <input checked="" type="checkbox"/> STEEL	188	0	00 60
06	2 <input type="checkbox"/> GALVANIZED			
06	3 <input type="checkbox"/> CONCRETE			
06	4 <input checked="" type="checkbox"/> OPEN HOLE		60	180
06	1 <input type="checkbox"/> STEEL			20-23
06	2 <input type="checkbox"/> GALVANIZED			
06	3 <input type="checkbox"/> CONCRETE			
06	4 <input checked="" type="checkbox"/> OPEN HOLE			0180
06	1 <input type="checkbox"/> STEEL			27-30
06	2 <input type="checkbox"/> GALVANIZED			
06	3 <input type="checkbox"/> CONCRETE			
06	4 <input type="checkbox"/> OPEN HOLE			

SCREEN

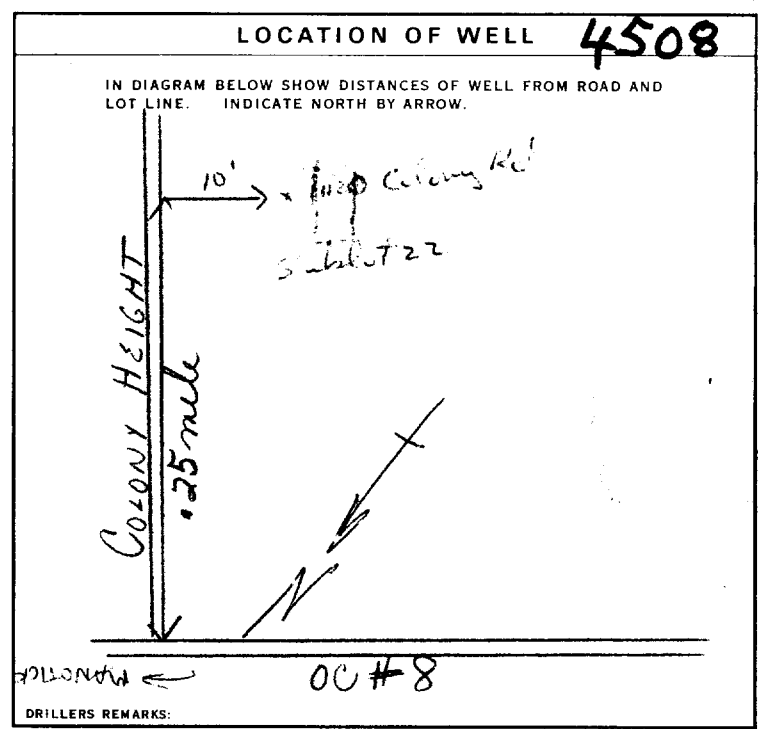
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
		41-44
		80
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		FEET

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
	80

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	00 20 GPM	0 1 15-16 HOURS 00 17-18 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
19-21	22-24	15 MINUTES 30 MINUTES 45 MINUTES 60 MINUTES
020 FEET	0 50 FEET	26-28 29-31 32-34 35-37
		0 50 FEET 0 50 FEET 0 50 FEET 0 50 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	GPM	1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	065 FEET	0 005 GPM
50-53 001.5 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	CONTRACTOR	DATE RECEIVED
1	1558	220874
DATE OF INSPECTION	INSPECTOR	
230476	M/K Dyl	
REMARKS:		

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WI



WATER WELL RECORD

316/4

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

11

1515411

MUNICIP. 15004

CON. CAN

A

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 - FEET 2
DEPTH - FEET 007850	RC 5	ELEVATION 0310	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
brown	clay	sand & boulders	packed	0	7
grey	hardpan	boulders	packed	7	40
grey	limestone		medium	40	148

31 00076052813 00402141379 0148215

32

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

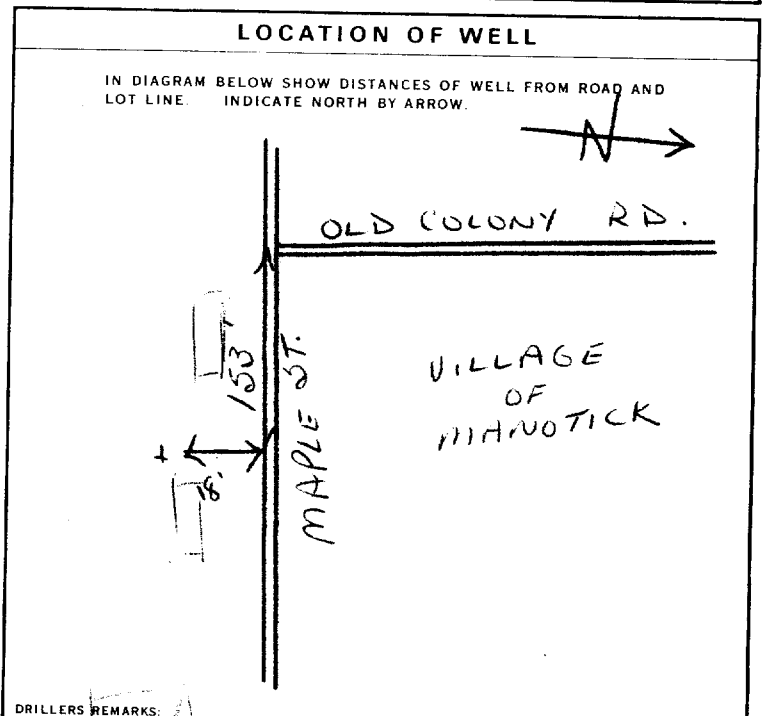
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
6 1/2	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE	188	8	0044
5 1/2	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/>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

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 19-21 035 FEET	WATER LEVEL END OF PUMPING 22-24 050 FEET	WATER LEVELS DURING 15 MINUTES 26-28 050 FEET 30 MINUTES 29-31 050 FEET 45 MINUTES 32-34 050 FEET 60 MINUTES 35-37 050 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT 38-41 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 43-45 070 FEET	RECOMMENDED PUMPING RATE 46-49 0005 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
 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.

ADDRESS
Box 40 Stittville, Ontario

NAME OF DRILLER OR ORDERER
W. K...

SUBMISSION DATE
DAY **21** MO **6** YR **76**

OFFICE USE ONLY

DATA SOURCE
15

CONTRACTOR
1558

DATE RECEIVED
080776

DATE OF INSPECTION
31 Aug 76

INSPECTOR
M P/R Doyh

REMARKS

P
WI



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. 00227

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

RING: 207.700 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	clay	gravel		0	3 1/2
grey limestone	limestone			3 1/2	5 1/4

31 0.004205/1 0.0542/5

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0050	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

INCHES 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	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
		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.)
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 00 HOURS

15-18 17-18

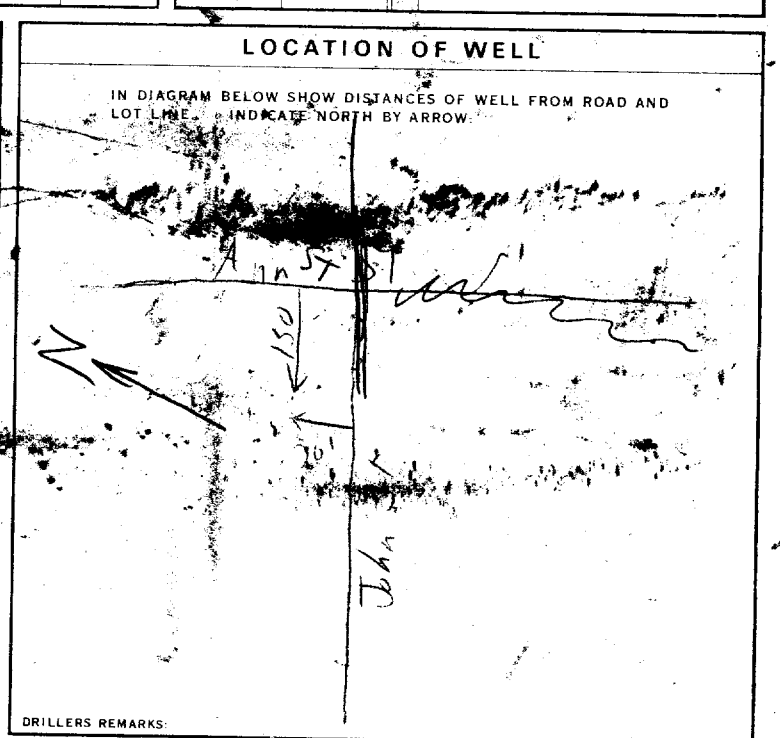
19-21 22-24 25 WATER LEVELS DURING: 008 030 030 030 030 030

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

38-41 42 PUMP INTAKE SET AT: 030 FEET

43-45 46-49 RECOMMENDED PUMP SETTING: 030 FEET

50-53



54 FINAL STATUS OF WELL: 1 WATER SUPPLY

55-56 WATER USE: 01 1 DOMESTIC

57 METHOD OF DRILLING: 5 1 CABLE TOOL

CONTRACTOR: Henry [Signature] 3644

NAME OF DRILLER OR BDR: [Signature] 29

SUBMISSION DATE: 8 2 76

OFFICE USE ONLY

DATA SOURCE: 1 3644 080776

DATE OF INSPECTION: 31 Aug 76

INSPECTOR: [Signature]

REMARKS:

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WI



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

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

COUNTY OR DISTRICT: Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Rideau (North Gower)
MUNICIPALITY: 1516267
CON. NO.: 15004
CON. TYPE: CAN
LOT: 002
DATE COMPLETED: DAY 15 MO 10 YR 77
ADDRESS: 46 Beaverwood Manotick, Ontario
ELEVATION: 007950
ELEVATION: 0325
ELEVATION: 526

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
reddish	sand		fill	0	1
greysih brown	hardpan	boulders & gravel		1	33
black	limestone		medium	33	73

31: 0001728, 00336141311, 0073815
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

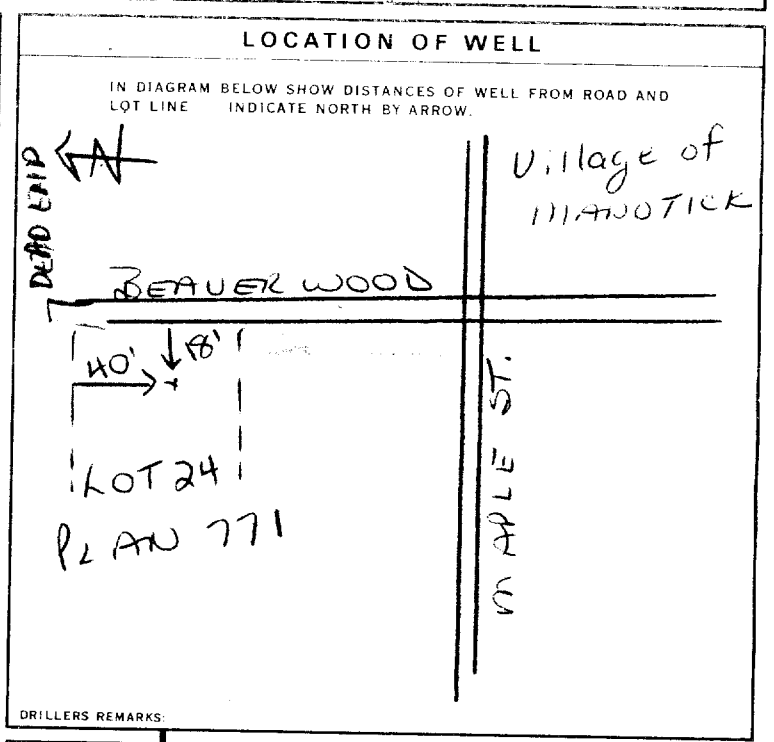
INSE DIAL INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
07	1 <input checked="" type="checkbox"/> STEEL	188	0	0036
06	STEEL		36	73
06	1 <input type="checkbox"/> STEEL			20-23
06	2 <input type="checkbox"/> GALVANIZED			27-30
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			

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 METHOD

1 PUMP 2 BAILER
PUMPING RATE: 0010 GPM
DURATION OF PUMPING: 01 HOURS 00 MINS
WATER LEVELS DURING PUMPING: 060 FEET
PUMP INTAKE SET AT: 060 FEET
RECOMMENDED PUMP SETTING: 060 FEET
RECOMMENDED PUMPING RATE: 0005 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
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: Capital Water Supply Ltd. Licence Number: 1558
Address: Box 490 Stittsville, Ontario
NAME OF DRILLER OR BORER: W. Kavanagh
Signature: [Signature]
Submission Date: DAY 19 MO 10 YR 77

OFFICE USE ONLY
DATA SOURCE: 1558
DATE OF INSPECTION: JUNE 7/78
INSPECTOR: DN
REMARKS: LAST HOUSE ON LEFT BROWN BRICK - BROWN ROOF NOT PLOTTED ON MASTER MAP



Ministry of the Environment

The Ontario Water Resources Act

WATER WELL RECORD

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

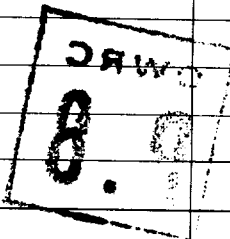
11 1516364 15004 CON A

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

41 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

51 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

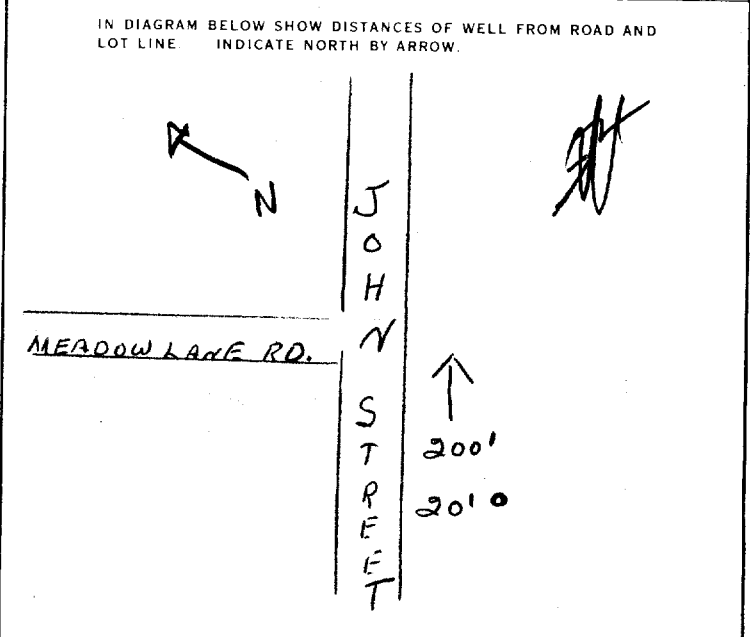
DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUT, LEAD PACKER, ETC.
10-13		
18-21		
26-29		

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
 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

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
 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

MUNICIP

15004

CON

CAN

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 446120	NORTHING 5007820	RC 4	ELEVATION 0290	BC 4	BASIN CODE 26
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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
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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

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
10-11	<input checked="" type="checkbox"/> STEEL	.188	0 (0022)
17-18	<input checked="" type="checkbox"/> STEEL		22 (023)
24-25	<input type="checkbox"/> STEEL		27-30

SCREEN

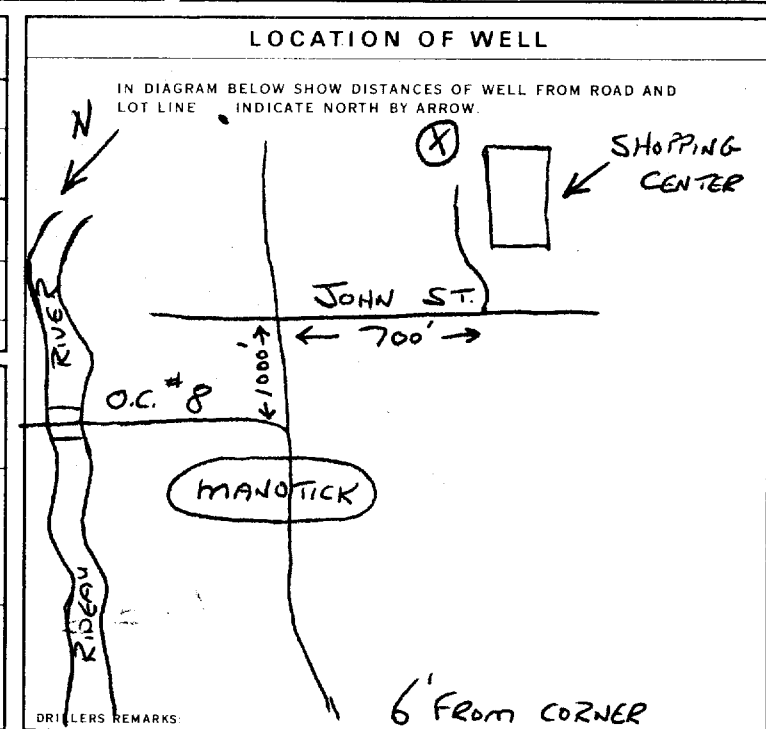
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		FEET

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 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 Bischoff</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		

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

11 1517078

MUNICIP. **15004** CON. **CON** LOT **A** 25-27

COUNTY OR DISTRICT: **Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Rideau / Manotick** CON. BLOCK TRACT, SURVEY, ETC: **John Street** LOT: **002**

DATE COMPLETED: DAY **22** MO **06** YR **89**

ADDRESS: **Cleopatra Drive, Nepean, Ontario K2G0B6**

DEPTH: **0.07899** RC: **4** ELEVATION: **031.0** 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	Hardpan	Stones		0	3
Gray	Limestone			3	50

31 **00036/1412** **0050215**

41 **WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
10-13	<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
10-11	<input checked="" type="checkbox"/> STEEL		FROM TO
06-61	2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0 0022
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		22 0050
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: 34-38 INCHES

LENGTH: 39-40 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 PUMP 2 BAILER

PUMPING RATE: **0050** GPM

DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING					
19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES		
010 FEET	025 FEET	025 FEET	025 FEET	025 FEET	025 FEET		

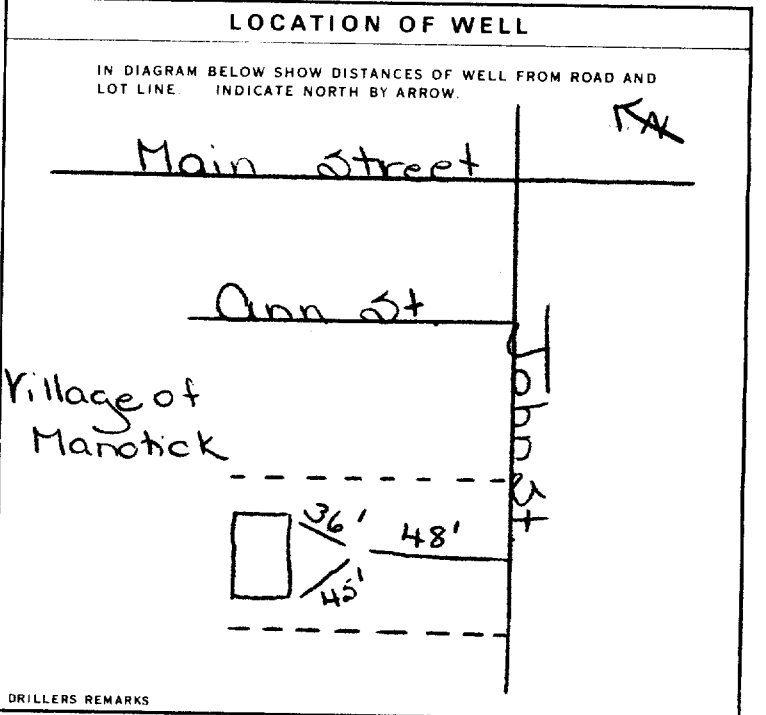
PUMP INTAKE SET AT: **040** FEET

WATER AT END OF TEST: **0005** GPM

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: **040** FEET

RECOMMENDED PUMPING RATE: **0005** GPM



FINAL STATUS OF WELL **1**

WATER USE **01**

METHOD OF DRILLING **5**

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: *[Signature]* SUBMISSION DATE: DAY **25** MO **06** YR **78**

OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **1558** DATE RECEIVED: **130879**

DATE OF INSPECTION: INSPECTOR: **K**

REMARKS:



Ontario

WATER WELL RECORD

31649

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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			

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

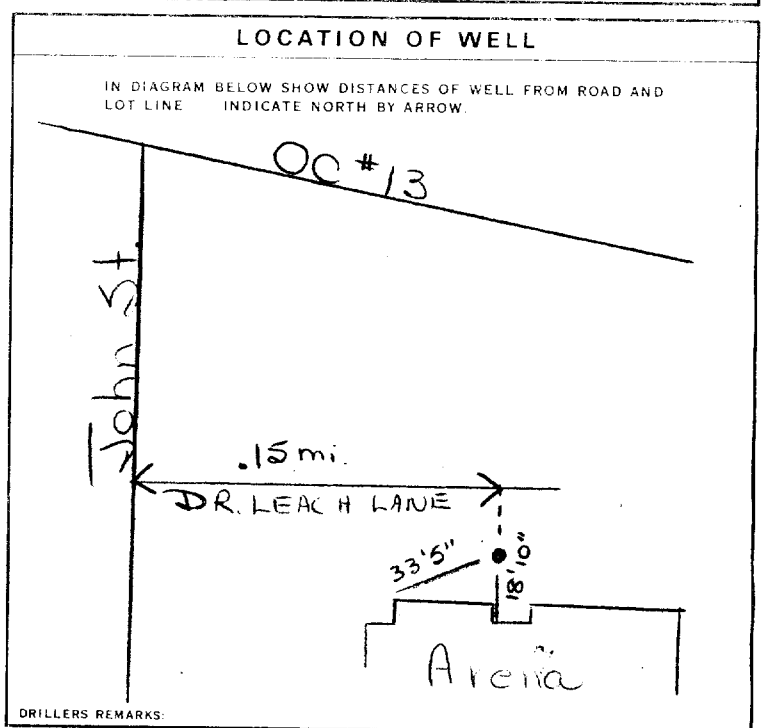
SIZES OF OPENING SLOT NO. 1	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		41-44
		FEET

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	
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
		15 MINUTES 050 FEET 26-28 30 MINUTES 050 FEET 29-31 45 MINUTES 050 FEET 32-34 60 MINUTES 050 FEET 35-37
IF FLOWING GIVE RATE	PUMP INTAKE SET AT	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 100 FEET	RECOMMENDED PUMPING RATE 0005 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 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 28 09 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 [X] CORRECT BOX WHERE APPLICABLE

11

1517735

MUNICIPALITY 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 48-53 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

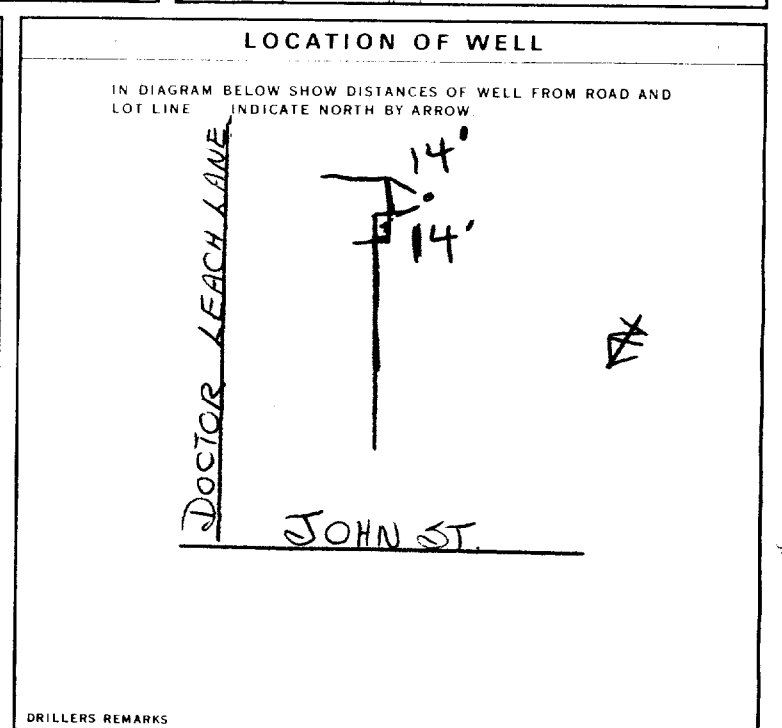
41 WATER RECORD Table with columns: WATER FOUND AT - FEET, KIND OF WATER (Fresh, Salty, Sulphur, Mineral).

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

SCREEN Table with columns: SIZE (SI) 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 METHOD Table with columns: PUMPING TEST METHOD, PUMPING RATE GPM, DURATION OF PUMPING (HOURS, MIN.), STATIC LEVEL, WATER LEVEL END OF PUMPING, WATER LEVELS DURING (15, 30, 45, 60 MINUTES), 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 checkboxes for Water Supply, Observation Well, Test Hole, Recharge Well, Domestic, Stock, Irrigation, Industrial, Other, Commercial, Municipal, Public Supply, Cooling or Air Conditioning, Not Used, Cable Tool, Rotary (Conventional), Rotary (Reverse), Rotary (Air), Air Percussion, Boring, Diamond, Jetting, Driving.

CONTRACTOR NAME OF WELL CONTRACTOR Capital Water Supply Ltd. LICENCE NUMBER 1558 ADDRESS Box 490, Stittsville, Ont. KOA 3G0 NAME OF DRILLER OR BORER S. Miller SIGNATURE OF CONTRACTOR W. Kawaraga SUBMISSION DATE DAY 15 MO 10 YR 81

OFFICE USE ONLY DATA SOURCE 1 CONTRACTOR 1558 DATE RECEIVED 03 03 82 DATE OF INSPECTION INSPECTOR REMARKS

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

11 1517944 15004 CON A

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

Beaverwood Rd., Manotick, Ontario DATE COMPLETED: DAY 27 MO 05 YR 82

0.07899 4 0.290 4 2.6

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

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13 0050'	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
06 1/8	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0 0039
6 1/8	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		39 0052
20-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		27-30

SCREEN

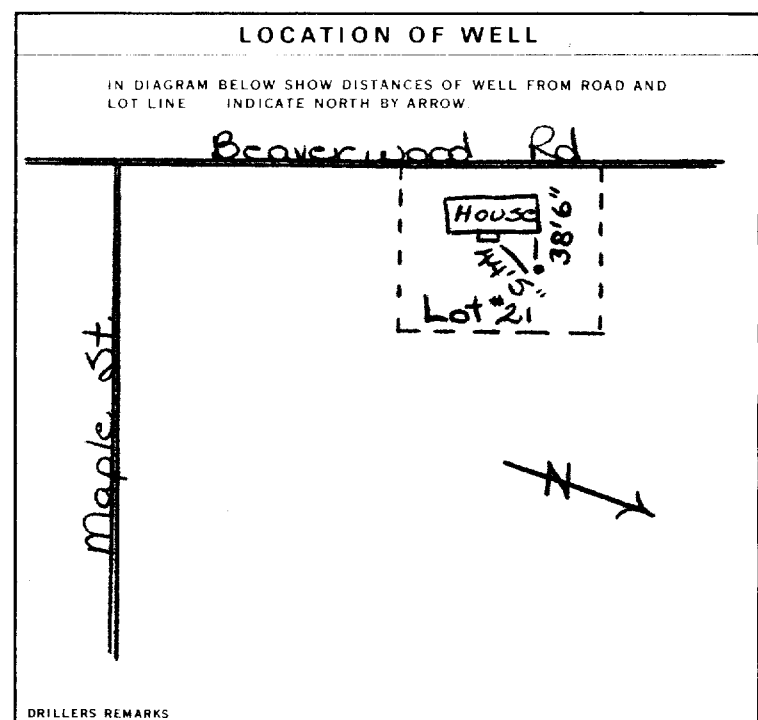
SIZE OF OPENING	DIAMETER	LENGTH
31-33	34-38	39-40
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		41-44
		FEET

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

1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	10 PUMPING RATE: 00 10 GPM	11-14 DURATION OF PUMPING: 03 HOURS 00 MINS
19-21 STATIC LEVEL: 027 FEET	22-24 WATER LEVEL END OF PUMPING: 032 FEET	25 WATER LEVELS DURING PUMPING
38-41 PUMP INTAKE SET AT: GPM		42 WATER AT END OF TEST: 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE: <input checked="" type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING: 040 FEET	RECOMMENDED PUMPING RATE: 0005 GPM



54 FINAL STATUS OF WELL: 1 WATER SUPPLY

55-56 WATER USE: 01 1 DOMESTIC

57 METHOD OF DRILLING: 1 CABLE TOOL

CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558

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

NAME OF DRILLER OR BORER: J. Moore

SIGNATURE OF CONTRACTOR: [Signature]

SUBMISSION DATE: DAY 01 MO 06 YR 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: **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**

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	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
06-6 1/2	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	0053
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		53	0075

SCREEN

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

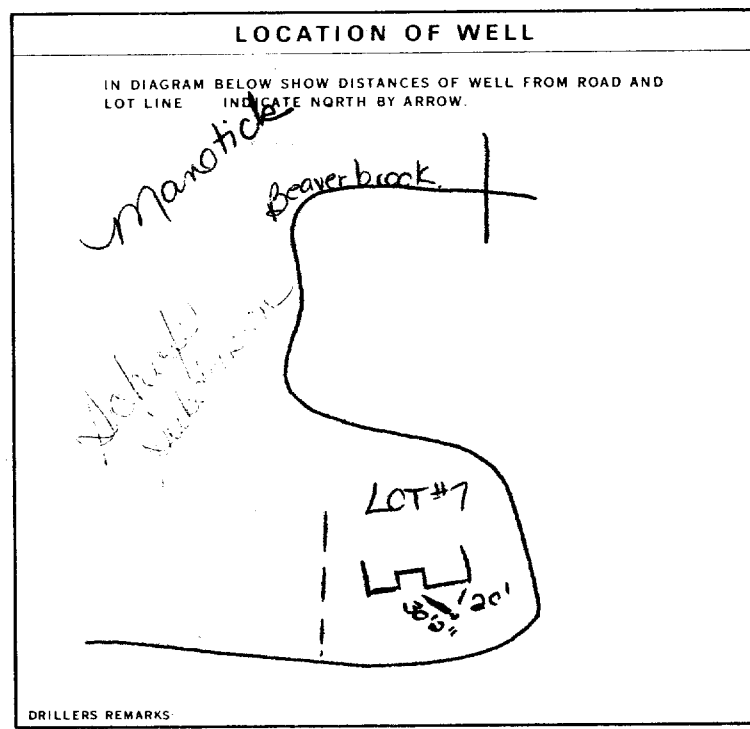
71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAILER

PUMPING RATE: 0015 GPM DURATION OF PUMPING: 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 1 DOMESTIC

METHOD OF DRILLING 5 1 CABLE TOOL

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: 25-27 002
 DATE COMPLETED: 48-53 DAY: 11 MO: 06 YR: 84
 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
10-11	1 <input checked="" type="checkbox"/> STEEL	12	0	0022
17-18	1 <input type="checkbox"/> STEEL	19	22	0100
24-25	1 <input type="checkbox"/> STEEL	26		

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
	34-38	39-40

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE
10-13	14-17
18-21	22-25
26-29	30-33

71 PUMPING TEST METHOD

1 PUMP 2 BAILER

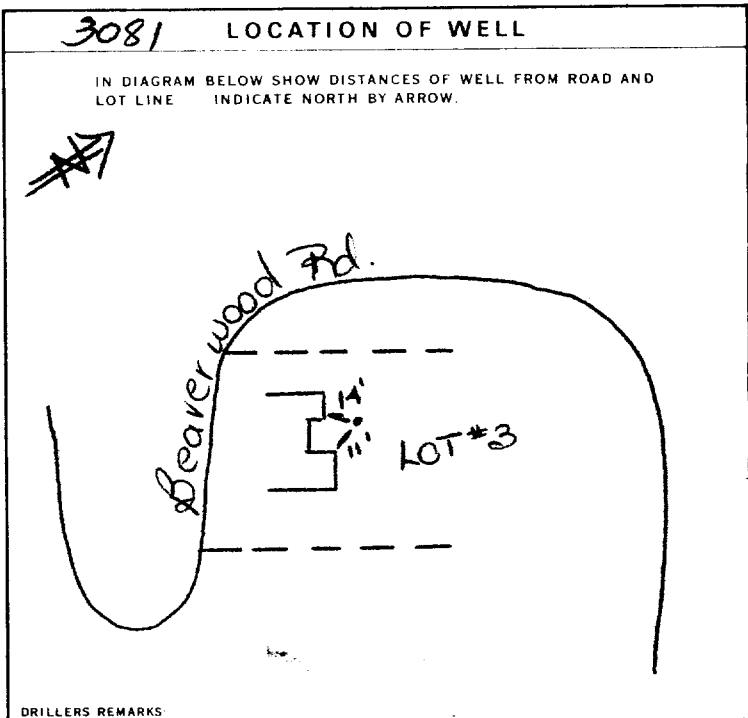
PUMPING RATE: 00 10 GPM DURATION OF PUMPING: 00 HOURS 30 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
025 FEET	060 FEET	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 LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY 12 MO. 06 YR. 84

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 07 08 84

DATE OF INSPECTION: INSPECTOR:

REMARKS:

WATER WELL RECORD

31649

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

11

1519109

MUNICIPALITY 15004

CON. A

LA

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
	Rideau-North Gower	Conc. A	002
R. # 1; Frankford, Ontario. KOK 200			DATE COMPLETED
			48-53
			DAY 20 MO 07 YR 84
DEPTH	RC	ELEVATION	RC
07.899	4	032.0	4
			BASIN CODE
			2.6

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	10
Gray	Hardpan	Gravel & Boulders	Packed	10	24
Gray	Limestone		Medium	24	50

61 001060579 00242141113 005021578

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0035'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0046'	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

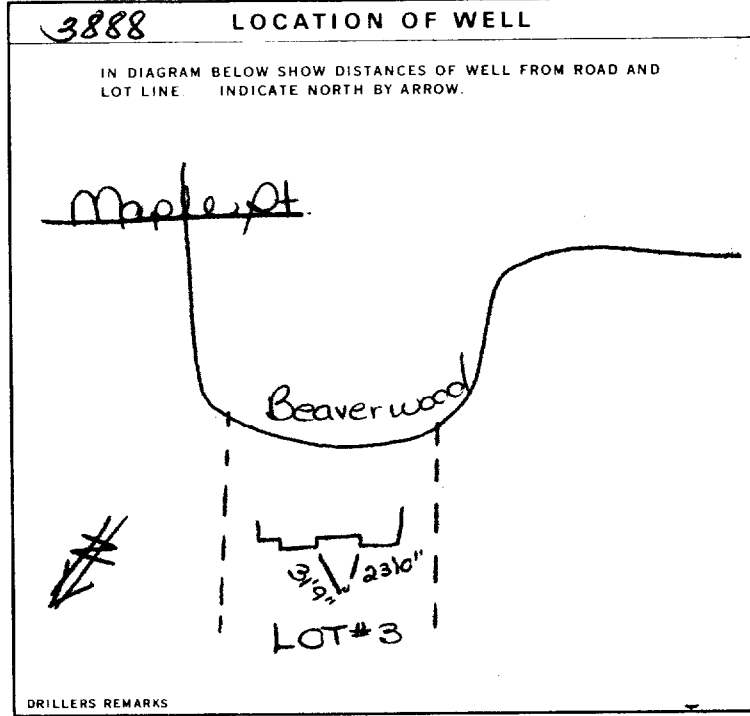
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06 5/8	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	.188	0	0032
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		32	0509
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

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 checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	0010 GPM	01 HOURS 00 MINS
STATIC LEVEL	WATER LEVELS DURING	
008 FEET	15 MINUTES 030 FEET	30 MINUTES 030 FEET
	45 MINUTES 030 FEET	60 MINUTES 030 FEET
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	040 FEET	0005 GPM



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

WATER USE

1 DOMESTIC
2 STOCK
3 IRRIGATION
4 INDUSTRIAL
5 OTHER

6 COMMERCIAL
7 MUNICIPAL
8 PUBLIC SUPPLY
9 COOLING OR AIR CONDITIONING
10 NOT USED

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: Capital Water Supply Ltd. LICENCE NUMBER: 1558

ADDRESS: Box 490; Stittsville, Ontario.

NAME OF DRILLER OR BORER: W. Kavanagh / J. Renwick LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: W. Kavanagh SUBMISSION DATE: DAY 23 MO 07 YR 84

OFFICE USE ONLY

DATE OF INSPECTION: 07 08 84

INSPECTOR:

REMARKS:

DATE RECEIVED: 07 08 84



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: DAY 28 MO 9 YR 87

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
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	00

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 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

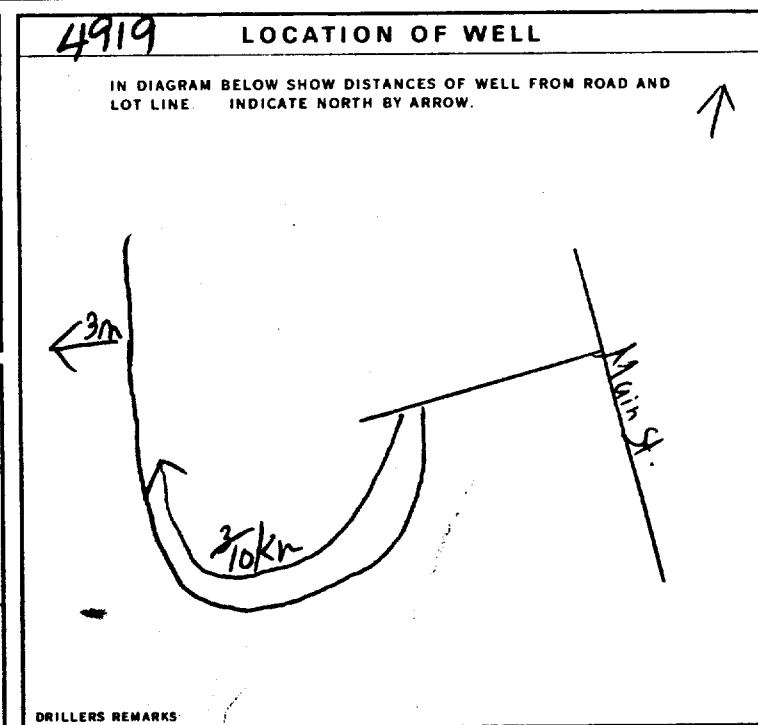
PUMP INTAKE SET AT: _____ FEET

WATER AT END OF TEST: 1 CLEAR 2 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: DAY 29 MO 9 YR 87

OFFICE USE ONLY

DATA SOURCE: _____ CONTRACTOR: _____ INSPECTED: 25 10 84

DATE OF INSPECTION: _____ INSPECTOR: _____

REMARKS: _____

WATER WELL RECORD

31649

1519314

MUNICIPALITY: 15004 CON. C/PN 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 (E.T.C.): 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 0018205 002921412 0041215

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"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <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
9 1/2	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	31
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		31	44

SCREEN RECORD

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

61 PLUGGING & SEALING RECORD

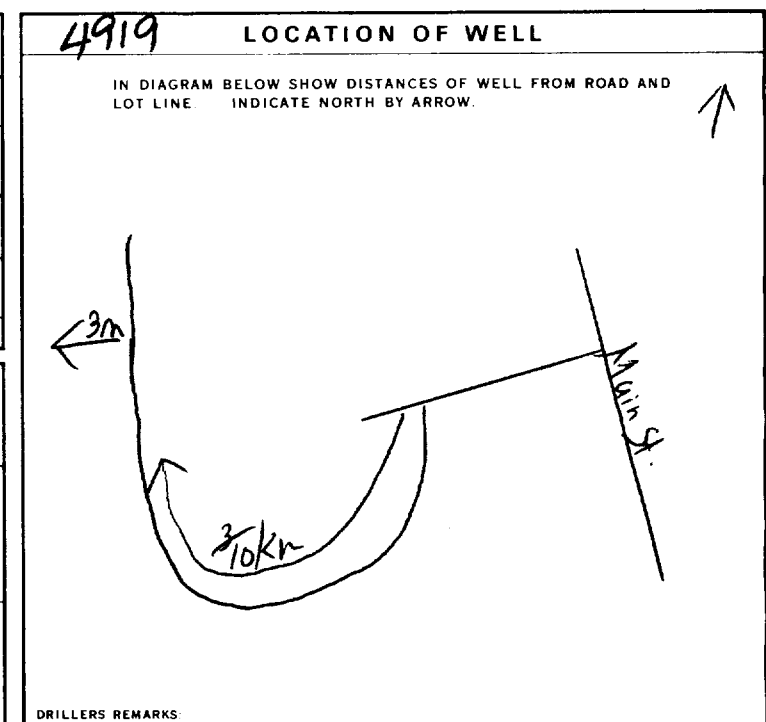
DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17
18-21	22-25
26-29	30-33

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: 036	30 MINUTES: 030	45 MINUTES: 030	60 MINUTES: 030		

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



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

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

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: Henry Mains Well Drilling LICENCE NUMBER: 3644
ADDRESS: Box 326, Richmond Ont.
NAME OF DRILLER OR BORER: Mains LICENCE NUMBER:
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
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 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
		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

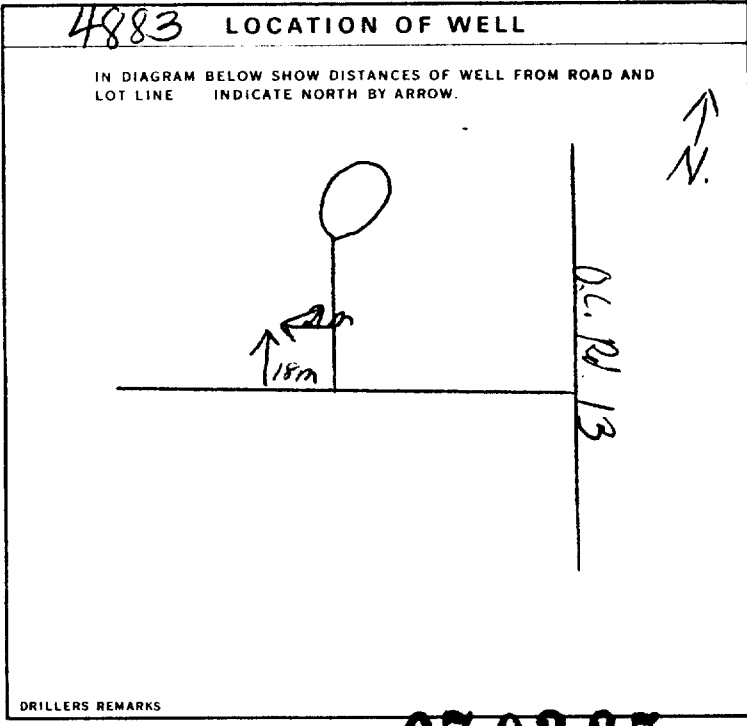
1 PUMP 2 BAILER

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

Geographic information: COUNTY OR DISTRICT (Carleton), TOWNSHIP (Rideau), CITY, TOWN, VILLAGE (Manotick), CON. TRACT. SURVEY, ETC. (Manotick Estates), LOT (092), OWNER (Tensen Construction), ADDRESS (RPH#2, Oxford Station K0G1T0), DATE COMPLETED (08/11/84), ZONE (18), EASTING (445999), NORTHING (5007899), RC (4), ELEVATION (0320), 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). Entries: grey clay (0-18), grey hardpan stones (18-37), grey limestone (37-140), white sandstone (140-180). Includes a circular stamp 'CASE VF-38'.

31 0018205 00372140S 0140215 0165118

41 WATER RECORD: Table with columns: WATER FOUND AT - FEET, KIND OF WATER (FRESH, SALTY, SULPHUR, MINERAL). Entries: 0/45, 0/60.

51 CASING & OPEN HOLE RECORD: Table with columns: INSIDE DIAM INCHES, MATERIAL, WALL THICKNESS INCHES, DEPTH - FEET (FROM, TO). Entries: 06, 06, 06.

61 PLUGGING & SEALING RECORD: Table with columns: DEPTH SET AT - FEET (FROM, TO), MATERIAL AND TYPE. Entries: 10-13, 18-21, 26-29.

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

4883 LOCATION OF WELL: Diagram showing well location relative to road and lot line. Includes a north arrow and handwritten dimensions (18m, 06.01.13).

Final Status of Well (1), Water Use (01), Method of Drilling (5). Includes checkboxes for various well types and drilling methods.

CONTRACTOR: 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 (10/11/84).

OFFICE USE ONLY: Data Source (1), Contractor (3644), Date of Inspection, Inspector, Remarks, Date Received (07 02 85).

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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: 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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[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 Depth Diameter
From To**

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>)

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[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>)

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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

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

Method of Construction

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
5.2	plastic	0.4	0	1.15	<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

Construction Record - Screen

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

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

Well Contractor and Well Technician Information

Business Name of Well Contractor: 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: Yes No

Date Package Delivered: Y|Y|Y|Y M|M D|D
 Date Work Completed: 20110414

Ministry Use Only
 Audit No.: z127823
 Received: JUL 12 2011

Well **A108238** Well Tag No.)
A108238

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Property Owner's Information

First Name: 1441624 Ontario Inc Last Name: Ontario Inc Mailing Address (Street No./Name, RR): 5562 Manotick Main St Municipality: Manotick
 Province: Ontario Postal Code: K4M1A6 E-mail Address: _____ Telephone No. (inc. area code): _____

Consent

Property Owner's Consent to use cluster form
 Signature: _____ Date (yyyy/mm/dd): _____

Consent to release additional information to the Director upon request
 Signature of Technician/Contractor: _____ Date (yyyy/mm/dd): _____

Cluster Well Information

Address of Well Location (Street Number/Name, RR): 5562 Manotick Main Street Lot: Pt 62 Concession: A Township: North Gower County/District/Municipality: Ottawa Carleton
 City/Town/Village: Manotick Province: Ontario Postal Code: K4M1A6 GPS Unit Make: Magellan Model: _____ Unit Mode of Operation: Undifferentiated Averaged
 Differentiated, specify: _____

Well # on Sketch	Zone	UTM Coordinates		Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres)		Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
		Eastings	Northing						From	To					
BH11-1	18	446370570	08073	4.88	22	H.S. Auger	plastic	1.5	1.5	3.9		1.45			2011/04/14
BH11-2	18	446348570	08057	4.07	"	"	"	1.5	1.5	3.6		1.45			"

Well Contractor and Well Technician Information

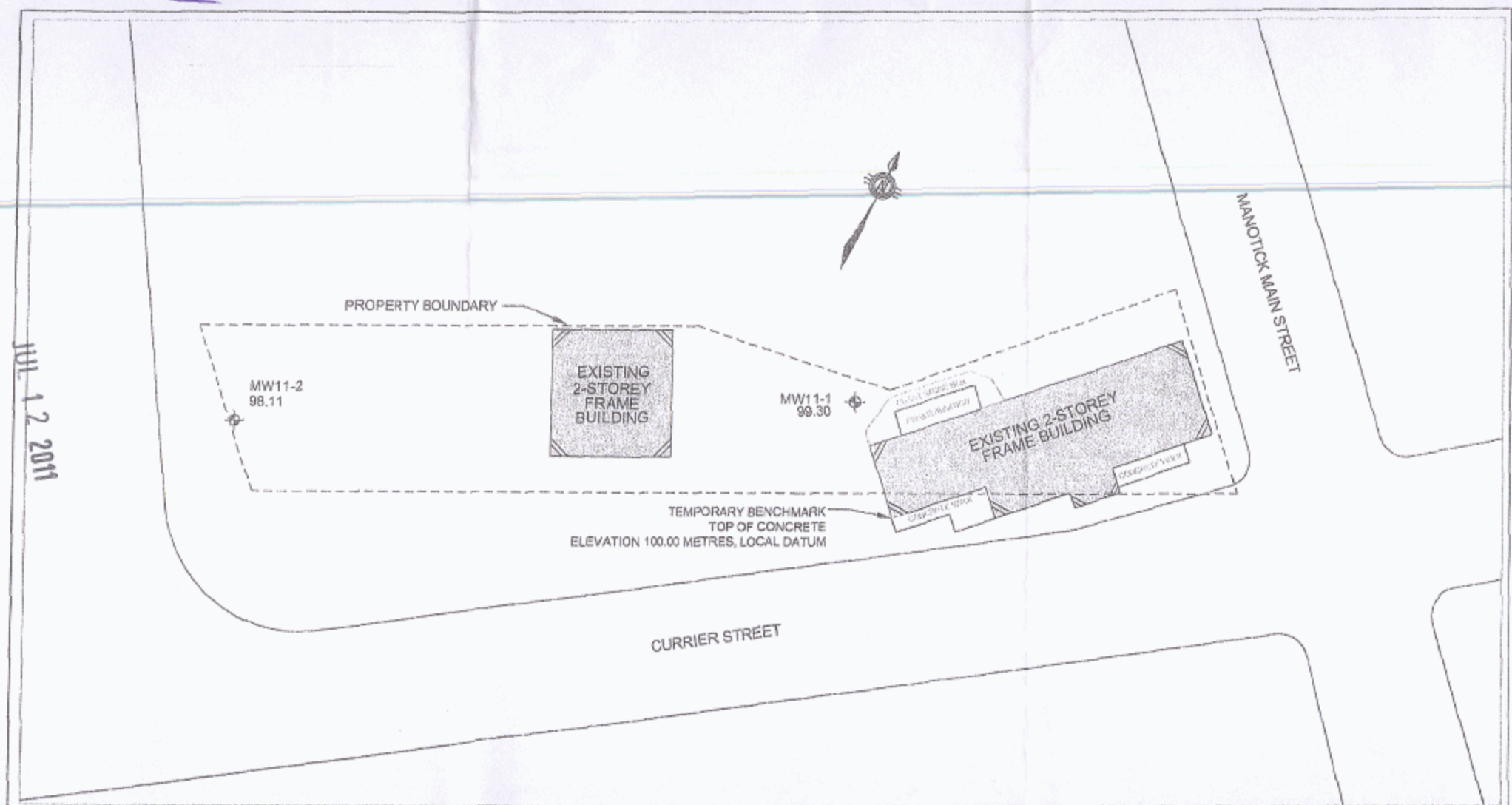
Business Name of Well Contractor: OCS Inc Business Address (Street Number/Name, RR): 5518 Appleton Side Road Municipality: Almonte Province: Ontario
 Postal Code: K0A1A0 Business Telephone No. (inc. area code): 613 256 7666 Well Contractor's Licence No.: 6964 Business E-mail Address: ocs inc@bell net. ca
 Name of Well Technician (First Name, Last Name): Brian Ohlmann Well Technician's Licence No.: 2593 Date Submitted (yyyy/mm/dd): 2011/06/27 Signature of Technician: Brian Ohlmann

Date 1st Well in Cluster Constructed (yyyy/mm/dd): 2011/04/14 Date Last Well in Cluster Constructed (yyyy/mm/dd): 2011/04/14


Ministry Use Only

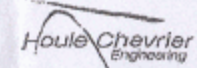
Date Received (yyyy/mm/dd): JUL 12 2011 Date Inspected (yyyy/mm/dd): _____
 Audit No.: 07424 Remarks: 2127823

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.

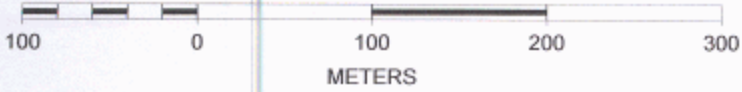
Client 1441824 ONTARIO INC.		Location 5562 MANOTICK MAIN STREET OTTAWA, ON.		Revision 0	
Drawn by M.J.L.		Approved by A.F.C.		Project No. 11-085	
		Title SITE PLAN			
		Date MAY 2011		FIGURE 2	

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	<input type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name)		Municipality	Province
		Postal Code	Telephone No. (inc. area code)

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
5530 Main St.			
County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa	Manotick	Ontario	
UTM Coordinates Zone	Easting	Northing	Municipal Plan and Sublot Number
NAD 83	127446208	15008252	Other

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
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)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
3" 6'3"	Bentonite 3/8 days	0.343
6'3" 17'3"	Silica Sand #3	0.574
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"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole	<input checked="" type="checkbox"/> Monitoring
<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify		

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

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

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	From	To
		0' 8'	3"
		8' 17'3"	2.25"

Well Contractor and Well Technician Information			
Business Name of Well Contractor	Well Contractor's Licence No.		
ccdrilling	7543		
Business Address (Street Number/Name)	Municipality		
48-2627 Edinburgh Place	Ottawa		
Province	Postal Code	Business E-mail Address	
ON	K1B5M1	muelb@ccdrilling.com	
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)		
6137375227	Charles		
Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted	
3299		201804104	

Results of Well Yield Testing					
After test of well yield, water was:		Draw Down		Recovery	
<input type="checkbox"/> Clear and sand free		Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
<input type="checkbox"/> Other, specify					
If pumping discontinued, give reason:		Static Level			
		1		1	
Pump intake set at (m/ft)		2		2	
Pumping rate (l/min / GPM)		3		3	
Duration of pumping		4		4	
_____ hrs + _____ min		5		5	
Final water level end of pumping (m/ft)		10		10	
If flowing give rate (l/min / GPM)		15		15	
Recommended pump depth (m/ft)		20		20	
Recommended pump rate (l/min / GPM)		25		25	
Well production (l/min / GPM)		30		30	
Disinfected?		40		40	
<input type="checkbox"/> Yes <input type="checkbox"/> No		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	Date Package Delivered
<input checked="" type="checkbox"/> Yes	Y Y Y Y M M D D
<input type="checkbox"/> No	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 MAY 25 2018 Received	

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 **K4M1G7**
 UTM Coordinates Zone **18** Easting **1044582450** Northing **08115** Municipal Plan and Sublot Number **N/A** Other **n**

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
			raise well casing in accordance with regulation 903		
			* well was sanitized *		

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
		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

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

Construction Record - Casing

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

Construction Record - Screen

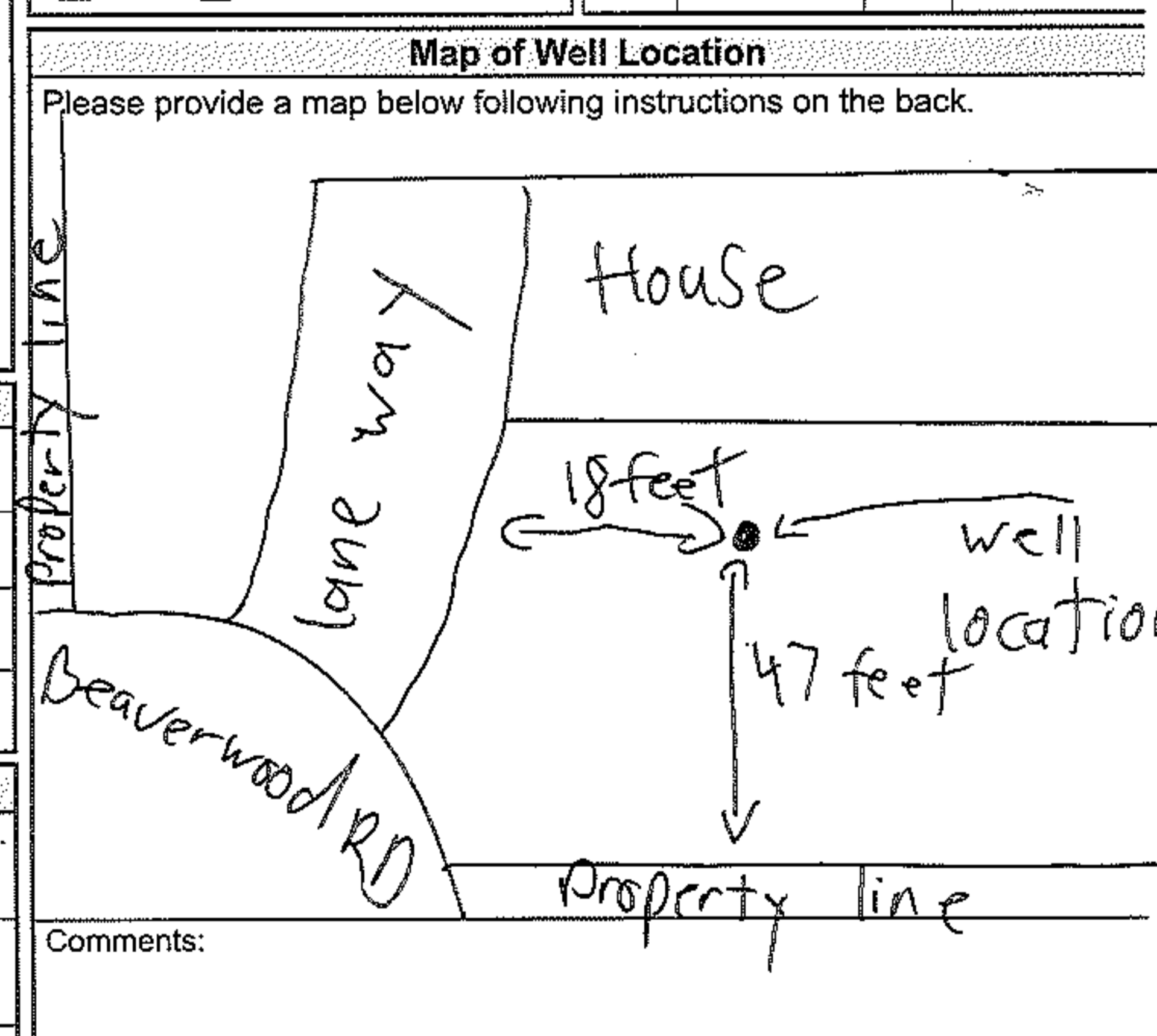
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		Status of Well
			From	To	
	N/A				<input type="checkbox"/> Other, specify _____

Water Details

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

Well Contractor and Well Technician Information

Business Name of Well Contractor: **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: **K4M1G7** Business E-mail Address: **enm@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: *[Signature]* Date Submitted: **20190904**



Well owner's information package delivered Yes No

Date Package Delivered: **20190904** Date Work Completed: **20190904**

Ministry Use Only
 Audit No.: **Z319376**
 Received: **SEP 09 2019**

Measurements recorded in: Metric Imperial

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:	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? <input type="checkbox"/> Yes <input type="checkbox"/> No	40		40	
	50		50	
	60		60	

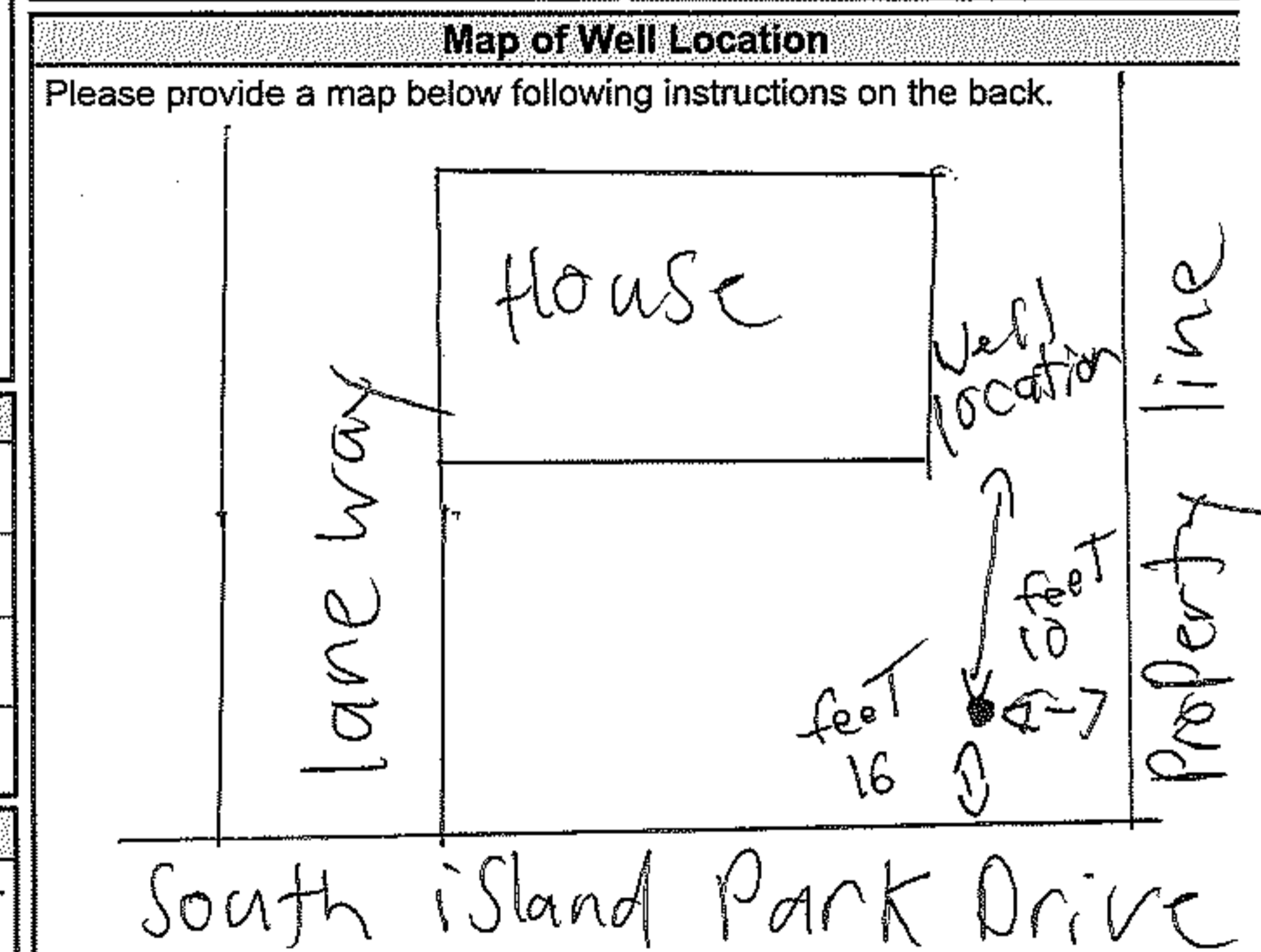
Method of Construction		Well Use		
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input checked="" 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)	
			From	To
	N/A			

Construction Record - Screen				Status of Well
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	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 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



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		

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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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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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

Database	Name	Searched	Project Property	Within 0.25 km	Total
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
OOGW	<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>
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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			
8	WWIS		lot 2 con A ON Well ID: 1519314	NW/111.2	-0.64	58
8	WWIS		lot 2 con A ON Well ID: 1519491	NW/111.2	-0.64	62
9	WWIS		lot 2 con A ON Well ID: 1515427	SE/112.0	-3.73	65
10	WWIS		lot 2 con A ON Well ID: 1517078	NE/113.6	-5.73	68
10	WWIS		lot 2 con A ON Well ID: 1517735	NE/113.6	-5.73	71
10	WWIS		lot 2 con A ON Well ID: 1518928	NE/113.6	-5.73	74
11	PES	GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5	NNE/117.8	-5.73	78
11	PES	GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5	NNE/117.8	-5.73	78
11	HINC		1168 MAPLE STREET MANOTICK ON	NNE/117.8	-5.73	79
11	PES	GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5	NNE/117.8	-5.73	79
11	PES	GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5	NNE/117.8	-5.73	80
11	PES	GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, BOX 534 MANOTICK ON K4M1A5	NNE/117.8	-5.73	80
12	WWIS		lot 2 con A ON	NNE/121.4	-4.64	80

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 <i>Well ID:</i> 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 <i>Well ID:</i> 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>
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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>

Well ID: 1509945

lot 2 con A ON	ENE	182.86	<u>29</u>
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Well ID: 1517944

lot 2 ON	NE	189.53	<u>30</u>
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Well ID: 1506481

lot 2 ON	NE	217.56	<u>37</u>
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Well ID: 1510183

lot 2 ON	ENE	228.01	<u>41</u>
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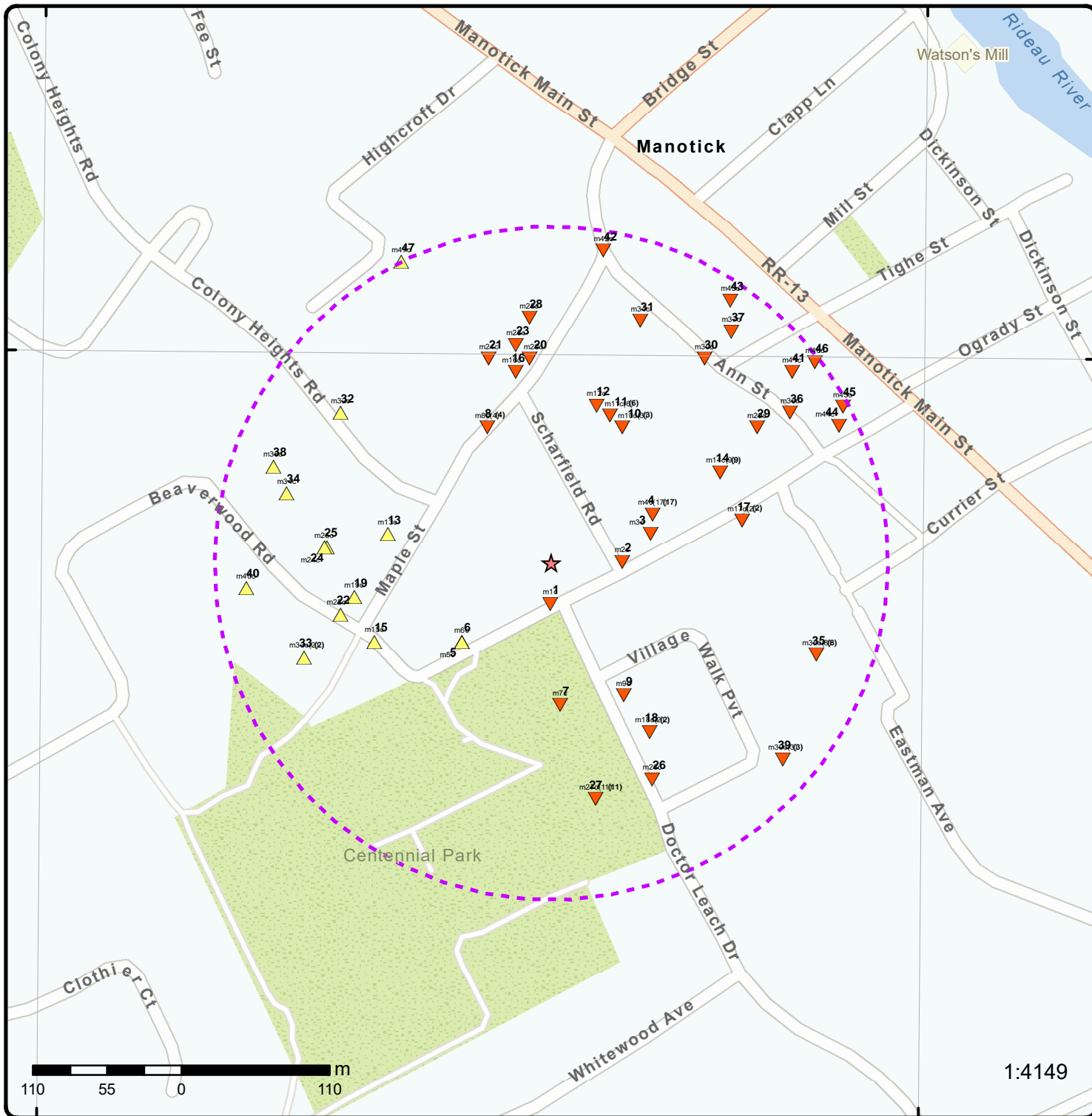
Well ID: 1506448

lot 1 ON	NNE	234.86	<u>42</u>
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Well ID: 1506447

lot 2 con A ON	ENE	236.62	<u>44</u>
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Well ID: 1516364



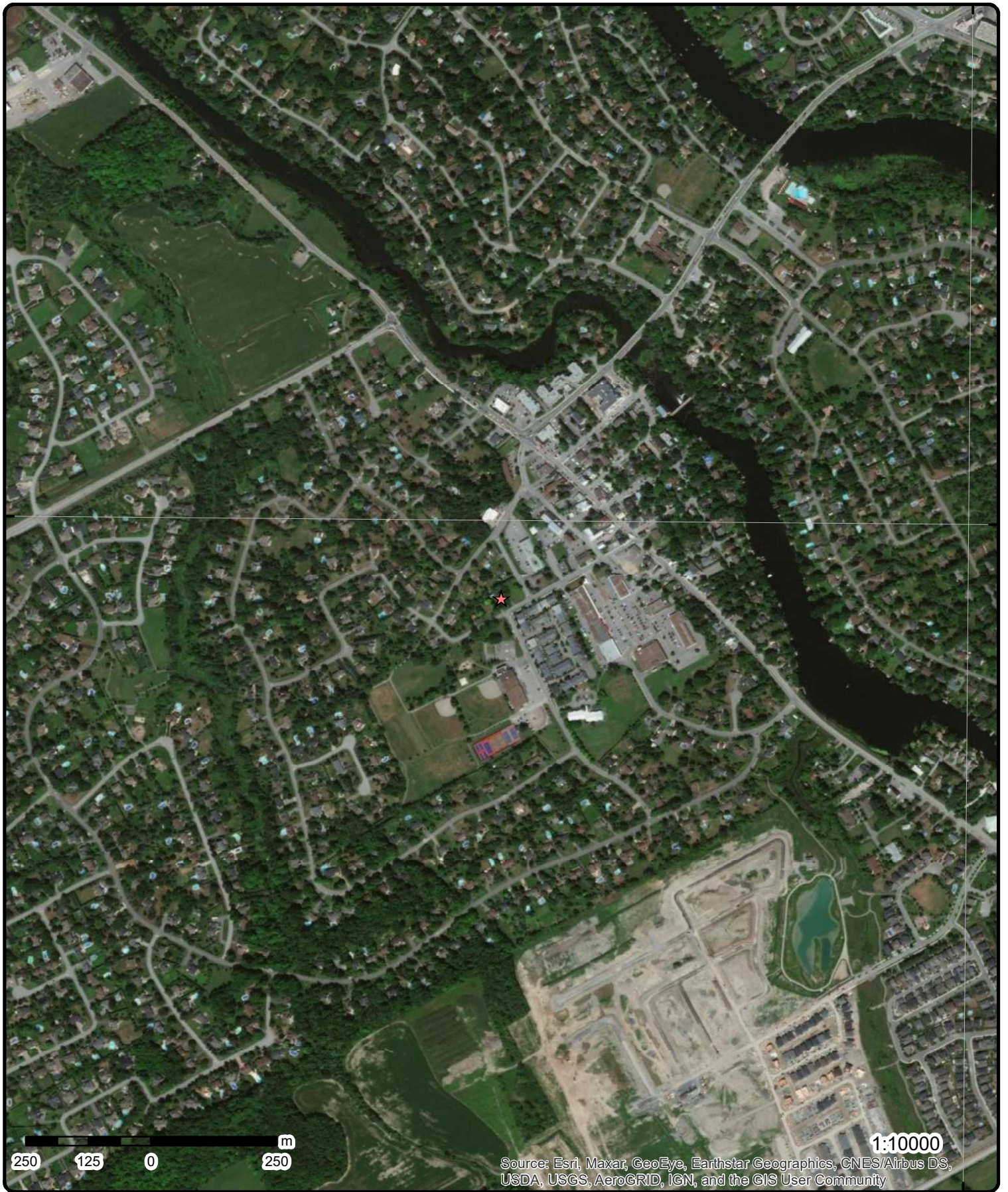
Map: 0.25 Kilometer Radius

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

© ERIS Information Limited Partnership

75°42'W

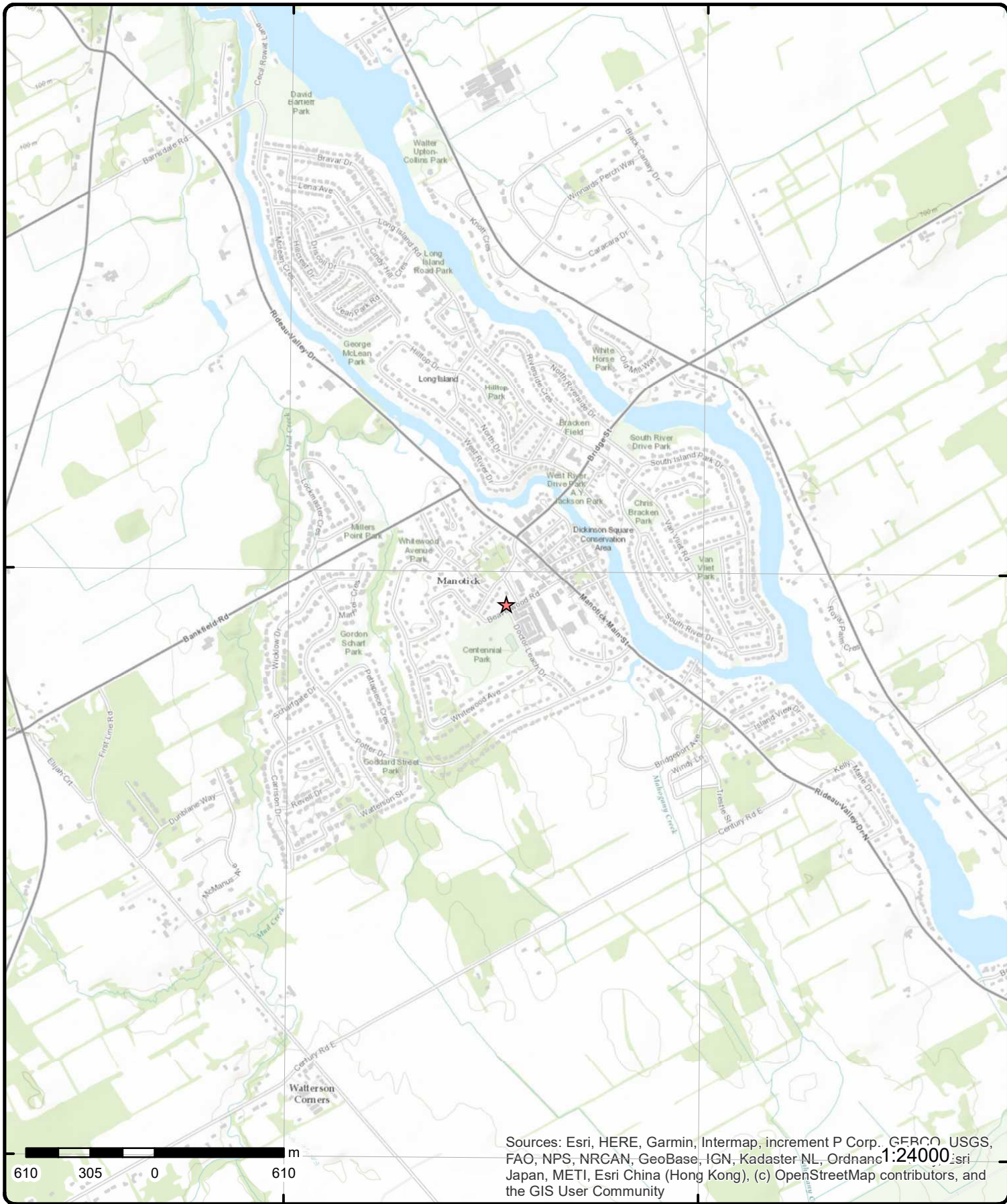
75°40'30"W

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

Order Number: 22020800656

Address: 1185 Beaverwood Road, ON



Source: ESRI World Topographic Map

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	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:

<u>2</u>	1 of 1	E/52.7	89.8 / -3.69	lot 2 con A ON	WWIS
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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:
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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			

<u>3</u>	1 of 1	ENE/76.8	89.2 / -4.34	lot 2 con A ON	WWIS
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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		

<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>Casing No:</i>	1				
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>	930067461				
<i>Layer:</i>	2				
<i>Material:</i>	4				
<i>Open Hole or Material:</i>	OPEN HOLE				
<i>Depth From:</i>					
<i>Depth To:</i>	123.0				
<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>	930067460				
<i>Layer:</i>	1				
<i>Material:</i>	1				
<i>Open Hole or Material:</i>	STEEL				
<i>Depth From:</i>					
<i>Depth To:</i>	22.0				
<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>	991516469				
<i>Pump Set At:</i>					
<i>Static Level:</i>	8.0				
<i>Final Level After Pumping:</i>	118.0				
<i>Recommended Pump Depth:</i>	118.0				
<i>Pumping Rate:</i>	35.0				
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>	35.0				
<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>	2				
<i>Pumping Duration MIN:</i>	0				
<i>Flowing:</i>	No				
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	934101954				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	15				
<i>Test Level:</i>	118.0				
<i>Test Level UOM:</i>	ft				
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	934899410				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	60				
<i>Test Level:</i>	118.0				
<i>Test Level UOM:</i>	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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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
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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
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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			
4	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			
4	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			
4	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:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		261			
Waste Class Desc:		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: ON0731101 SIC Code: 541940 SIC Description: Veterinary Services Approval Years: 2011 PO Box No: Country:				Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	
<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	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: ON0731101 SIC Code: 541940 SIC Description: Veterinary Services Approval Years: 2012 PO Box No: Country:				Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	
<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			

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 SIC Code: 541940 SIC Description: VETERINARY SERVICES Approval Years: 2013 PO Box No: Country:		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: 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 SIC Code: 541940 SIC Description: VETERINARY SERVICES Approval Years: 2016 PO Box No: Country: Canada		Status: Co Admin: Miki Shibata Choice of Contact: CO_ADMIN Phone No Admin: 613-692-2434 Ext. Contam. Facility: No 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 SIC Code: 541940 SIC Description: VETERINARY SERVICES Approval Years: 2015 PO Box No: Country: Canada		Status: Co Admin: Miki Shibata Choice of Contact: CO_ADMIN Phone No Admin: 613-692-2434 Ext. Contam. Facility: No 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
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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
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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
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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 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 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 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:	4
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
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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
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Well ID:	1519109	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	8/7/1984
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\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	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	446029.80
Code OB Desc:		North83:	5008121.00
Open Hole:		Org CS:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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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</u>					
<u>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</u>					
<u>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			

9

1 of 1

SE/112.0

89.8 / -3.73

lot 2 con A
ON

WWIS

Well ID: 1515427
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:

Data Entry Status:
Data Src: 1
Date Received: 7/8/1976
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP
Site Info:
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
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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
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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
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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
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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
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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
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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:		Draw Down			
Test Duration:		60			
Test Level:		35.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933475771			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		69.0			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933475772			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		72.0			
Water Found Depth UOM:		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:		Operator Box:			
Licence No:		Operator Class:			
Status:		Operator No:			
Approval Date:		Operator Type:			
Report Source:		Oper Area Code:			
Licence Type:		Limited Vendor	Oper Phone No:		
Licence Type Code:		23	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	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:		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:		

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
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:

Data Entry Status:
Data Src: 1
Date Received: 8/19/1971
Selected Flag: TRUE
Abandonment Rec:
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
Established:		1994			
Plant Size (ft²):		0			
Employment:		3			
--Details--					
Description:		Explosives Manufacturing			
SIC/NAICS Code:		325920			
14	5 of 9	ENE/142.5	87.8 / -5.73	Barrhaven Independent 1165 Beaverwood Crs Manotick ON K4M 1A5	SCT
Established:		8/1/1989			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Quick Printing			
SIC/NAICS Code:		323114			
Description:		Other Printing			
SIC/NAICS Code:		323119			
Description:		Newspaper Publishers			
SIC/NAICS Code:		511110			
Description:		Graphic Design Services			
SIC/NAICS Code:		541430			
Description:		Digital Printing			
SIC/NAICS Code:		323115			
14	6 of 9	ENE/142.5	87.8 / -5.73	Manotick Printing Services 1165 Beaverwood Rd Manotick ON K4M 1A5	SCT
Established:		01-AUG-89			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Other Printing			
SIC/NAICS Code:		323119			
Description:		Digital Printing			
SIC/NAICS Code:		323115			
Description:		Quick Printing			
SIC/NAICS Code:		323114			
14	7 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:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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--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
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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
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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
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Well ID: 1511819
Construction Date:
Primary Water Use: Domestic

Data Entry Status:
Data Src: 1
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

<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>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			Operator Box:	517
Licence No:	10715			Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:				Oper Area Code:	
Licence Type:	Limited Vendor			Oper Phone No:	
Licence Type Code:	23			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:	0			Oper Concession:	
Latitude:				Operator Region:	4
Longitude:				Operator District:	2
Lot:				Operator County:	15
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF Link:					
PDF Site Location:					

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			Operator Box:	
Licence No:	11586			Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)			Oper Area Code:	519
Licence Type:	Limited Vendor			Oper Phone No:	
Licence Type Code:	23			Operator Ext:	
Licence Class:	01			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
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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:			

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

<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>Pipe ID:</i>		10586767			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930067198			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		36.0			
<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>		930067199			
<i>Layer:</i>		2			
<i>Material:</i>		4			
<i>Open Hole or Material:</i>		OPEN HOLE			
<i>Depth From:</i>					
<i>Depth To:</i>		73.0			
<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>		991516267			
<i>Pump Set At:</i>					
<i>Static Level:</i>		30.0			
<i>Final Level After Pumping:</i>		60.0			
<i>Recommended Pump Depth:</i>		60.0			
<i>Pumping Rate:</i>		10.0			
<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>		934101778			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		15			
<i>Test Level:</i>		60.0			
<i>Test Level UOM:</i>		ft			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		934640913			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		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
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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
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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
Well ID: 1506586 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: 9/7/1960 Selected Flag: TRUE Abandonment Rec: Contractor: 3601 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/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 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 01-Aug-1960 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: 446050.80 North83: 5008182.00 Org CS: UTMRC: 5 UTMRC Desc: margin of error : 100 m - 300 m Location Method: p5			
<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:				Easting:	445911
Drill Method:				Northing:	5008032
Orig Ground Elev m:	94.5			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	97.7				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218389220			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	10.4			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Boulders			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY,BOULDERS. GREY.				
Geology Stratum ID:	218389221			Mat Consistency:	
Top Depth:	10.4			Material Moisture:	
Bottom Depth:	25.6			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. 00084STONE. GREY. 00149. L. GREY. 00075TY = 18000. BED **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<u>Source</u>					
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: 04301 NTS_Sheet:				
Confiden 1:					
<u>Source List</u>					
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				
25	1 of 1	W/168.7	97.9 / 4.36	lot 2 con A ON	WWIS
Well ID:	1512263			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	1/11/1973
Sec. Water Use:	0			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
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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
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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				
DP2BR:				Elevation:	
Spatial Status:				Elevrc:	
Code OB:				Zone:	18
Code OB Desc:				East83:	446190.80
Open Hole:				North83:	5008172.00
Cluster Kind:				Org CS:	
Date Completed:	01-Feb-1963 00:00:00				
Remarks:				UTMRC:	5
Elevrc Desc:				UTMRC Desc:	margin of error : 100 m - 300 m
Location Source Date:				Location Method:	p5
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:					
Tag:					
Construction Method:					
Elevation (m):			County: OTTAWA		
Elevation Reliability:			Municipality: NORTH GOWER TOWNSHIP		
Depth to Bedrock:			Site Info:		
Well Depth:			Lot: 002		
Overburden/Bedrock:			Concession: A		
Pump Rate:			Concession Name: CON		
Static Water Level:					
Flowing (Y/N):					
Flow Rate:					
Clear/Cloudy:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510054.pdf				

Additional Detail(s) (Map)

Well Completed Date:	1969/03/03
Year Completed:	1969
Depth (m):	35.6616
Latitude:	45.2246010545045
Longitude:	-75.6888477282067
Path:	151\1510054.pdf

Bore Hole Information

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:			

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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:	Vendor			Oper Area Code:	
Licence Type:				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</u>					
<u>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</u>					
<u>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</u>					
<u>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>
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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
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41	1 of 1	ENE/228.0	89.4 / -4.09	lot 2 ON	WWIS
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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				
<u>Additional Detail(s) (Map)</u>					
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				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2 Desc:		BOULDERS			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		20.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931025683			
Layer:		4			
Color:		1			
General Color:		WHITE			
Mat1:		18			
Most Common Material:		SANDSTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		135.0			
Formation End Depth:		180.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961514236			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10584783			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930063975			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		180.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930063974			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		60.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing 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>
<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*

<u>Pesticide Register:</u>	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		
<u>Pipeline Incidents:</u>	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		
<u>Private and Retail Fuel Storage Tanks:</u>	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*		
<u>Permit to Take Water:</u>	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		
<u>Ontario Regulation 347 Waste Receivers Summary:</u>	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		
<u>Record of Site Condition:</u>	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		
<u>Retail Fuel Storage Tanks:</u>	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		
<u>Scott's Manufacturing Directory:</u>	Private	SCOT
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*		
<u>Ontario Spills:</u>	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.

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Mandy Witteman, M.A.Sc., P.Eng. Intermediate Environmental Engineer

Mandy joined Paterson Group in June 2018 as part of the Environmental Department. Mandy received her Bachelor of Engineering from Carleton University in 2008, specializing in Environmental Engineering. Following graduation, Mandy gained experience in the private sector conducting Phase II ESAs and reporting GHG emission inventories. In 2009, Mandy began her post-graduate degree in a Master of Applied Science, specializing in applied unsaturated soil mechanics with applications to geomechanical designs of subsurface tailing structures. Mandy has published in the Canadian Geotechnical Journal, as well as the International Conference Geo/Paste Proceedings in 2010 and 2011. Following post-graduate, Mandy joined the Tailings Group at Thurber Engineering Ltd. in Calgary, where she applied knowledge gained from her post-graduate research in designing and developing bench scale and pilot programs that were implemented by oil sand operators in Fort McMurray. Additionally, Mandy also worked as a QA/QC engineer on a slurry wall construction at a Potash Mine. Her scope of work included daily in-situ testing of the construction materials used for QA/QC purposes, as well as managing and supervising daily construction activities. Since joining Paterson Group in 2018, Mandy has worked on numerous residential and commercial developments, predominantly within the National Capital Region. Her scope of work consists of managing and conducting Phase I and II ESAs, reporting and managing subsurface programs, and liaising with subcontractors, clients and consultants.

EDUCATION

Bachelor of Engineering in
Environmental Engineering, 2008
Carleton University
Ottawa, Ontario

Master of Applied Science in
Environmental Engineering, 2013
Carleton University
Ottawa, Ontario

ASSOCIATIONS/AFFILIATIONS

Ontario Professional Engineers
Association

Ottawa Geotechnical Group

YEARS OF EXPERIENCE

Paterson Group: 4

Thurber Engineering: 2

Carleton University: 4

SELECT LIST OF PROJECTS

- Grey Hound Bus Terminal: 265 Catherine Street, Ottawa, ON (Phase I - II ESAs, Remediation Action Plan)
- Residential Development: 550 King Street West, Brockville, ON (Phase I ESA - Enhanced Investigation Property, Phase II ESA)
- Redevelopment Project: 10 McArthur Avenue, Ottawa, ON (Phase I & II ESAs, Record of Site Condition)
- Mixed-Use Redevelopment Project: 438 Albert Street, Ottawa, ON (Phase I & II ESAs, Record of Site Condition)
- Mixed-Use Redevelopment Project: 900 Albert Street, Ottawa, ON (Phase II ESA)
- Mixed-Use Redevelopment Project: 108 Nepean Street, Ottawa, ON (Phase I & II ESAs, Record of Site Condition)
- Mixed-Use Redevelopment Project: 450 Rochester Street, Ottawa, ON (Phase I & II ESAs, Record of Site Condition)
- Mixed-Use Redevelopment Project: 829 Carling Avenue, Ottawa, ON (Phase I & II ESAs)

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