PATERSON GROUP

Phase I Environmental Site Assessment

1185 Beaverwood Road
Manotick, Ontario

Prepared for ARK Construction Ltd.

Report: PE5615-1R
January 9, 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 Scheffield Road, including five (5) historical activities considered to represent off-site PCAs. Based on the separation distances (95 m to 195 m) and downgradient orientations with respect to the subject site (east to northeast relative to the Phase I Property), these PCAs are not considered to represent APECs with respect to the Phase I Property.

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, the dry-cleaning VOC plume is not expected to have migrated beneath 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 Porperty.

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 wit 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 imagining (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 identifed 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

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

Water Bodies

No 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.

An interview with someone with long-term knowledge of the Phase I Property, particularly a member of the Scharf family, has not been possible to date.

We continue to make the effort to interview someone with extensive knowledge of the property; however, up to this point, we have not been successful.

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.

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 Scheffield Road, including five (5) historical activities considered to represent off-site PCAs. Based on the separation distances (95 m to 195 m) and downgradient orientations with respect to the subject site (east to northeast relative to the Phase I Property), these PCAs are not considered to represent APECs with respect to the Phase I Property.

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, the dry-cleaning VOC plume is not expected to have migrated beneath 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

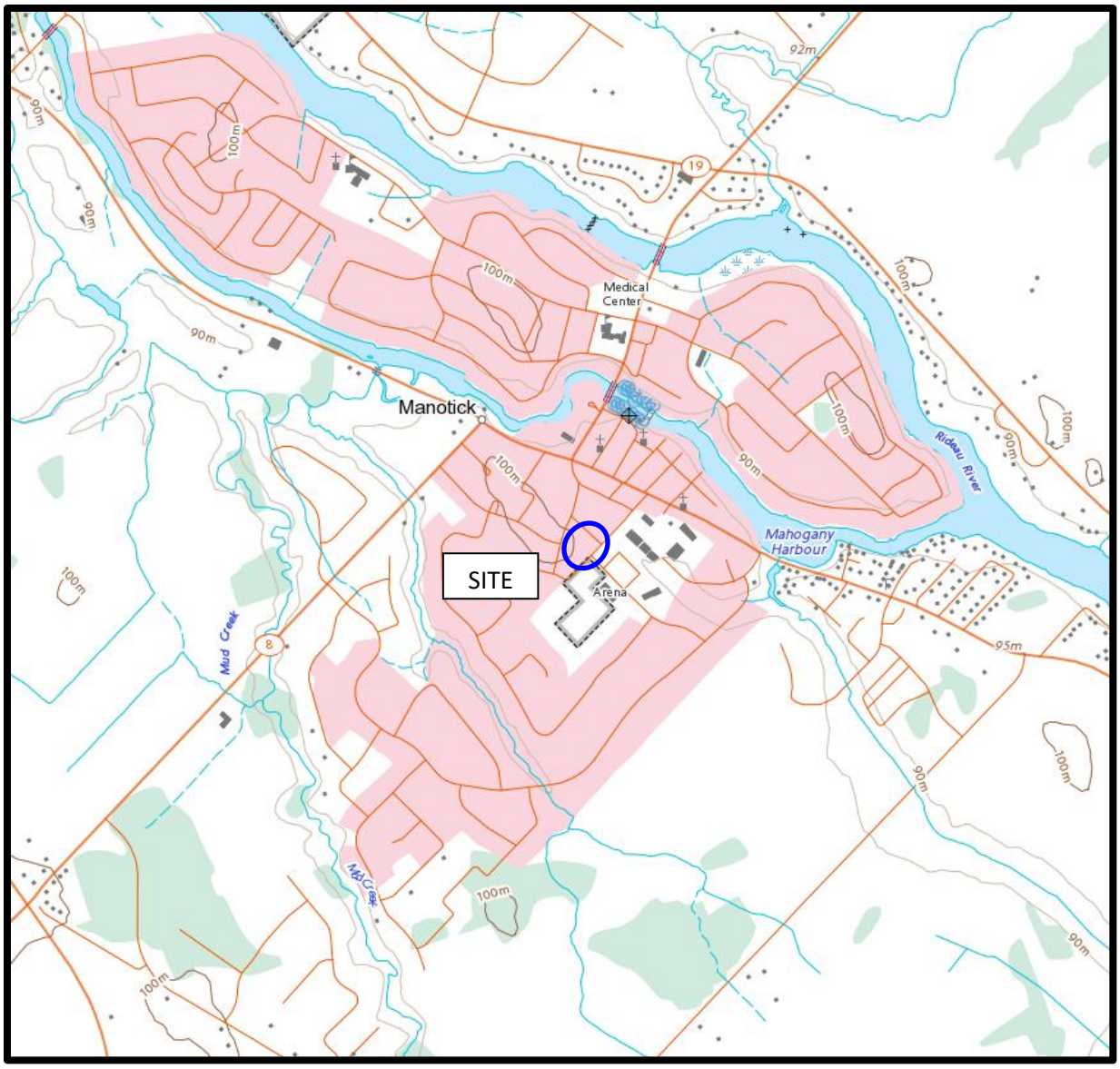
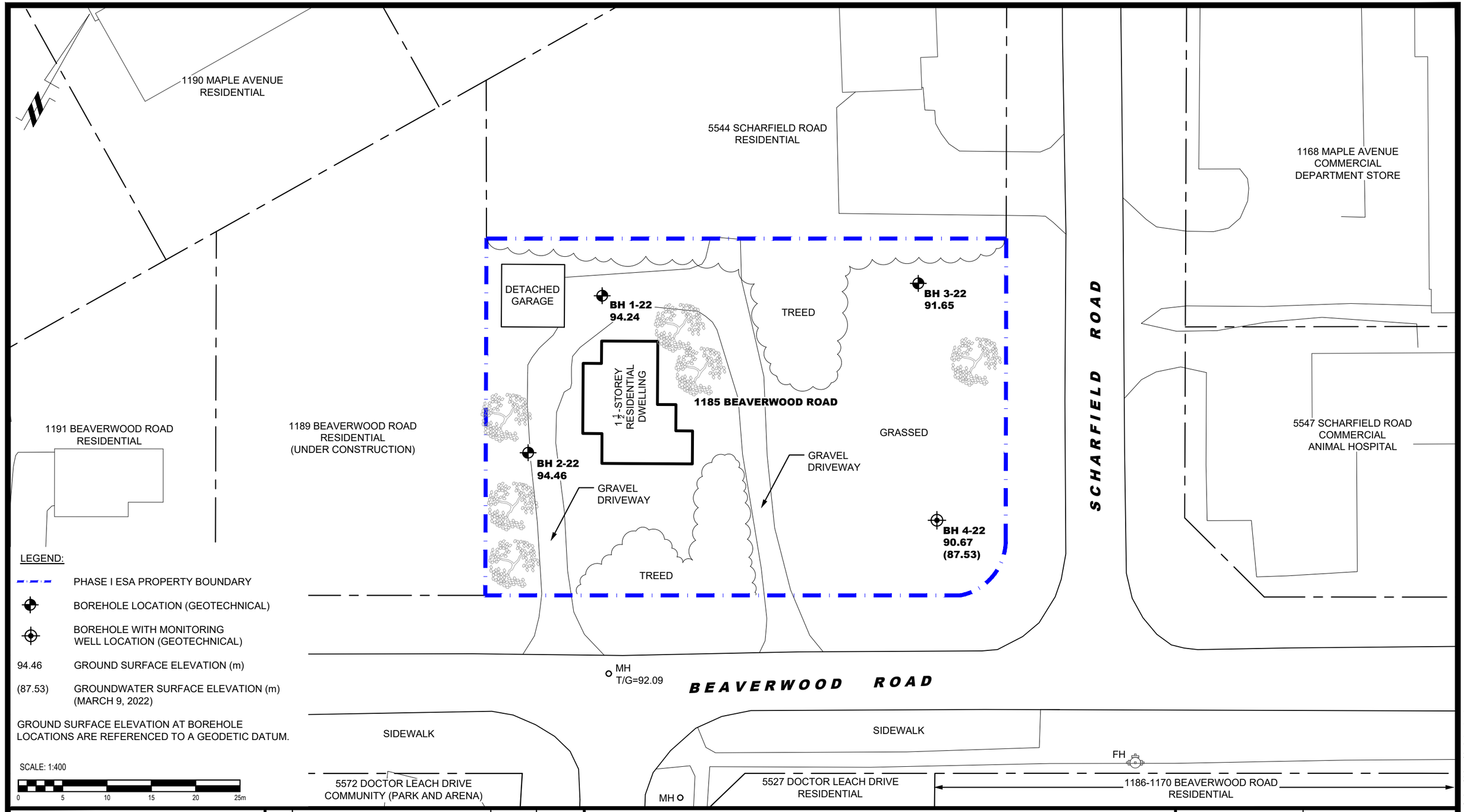


Figure 2:

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

0 5 10 15 20 25m

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

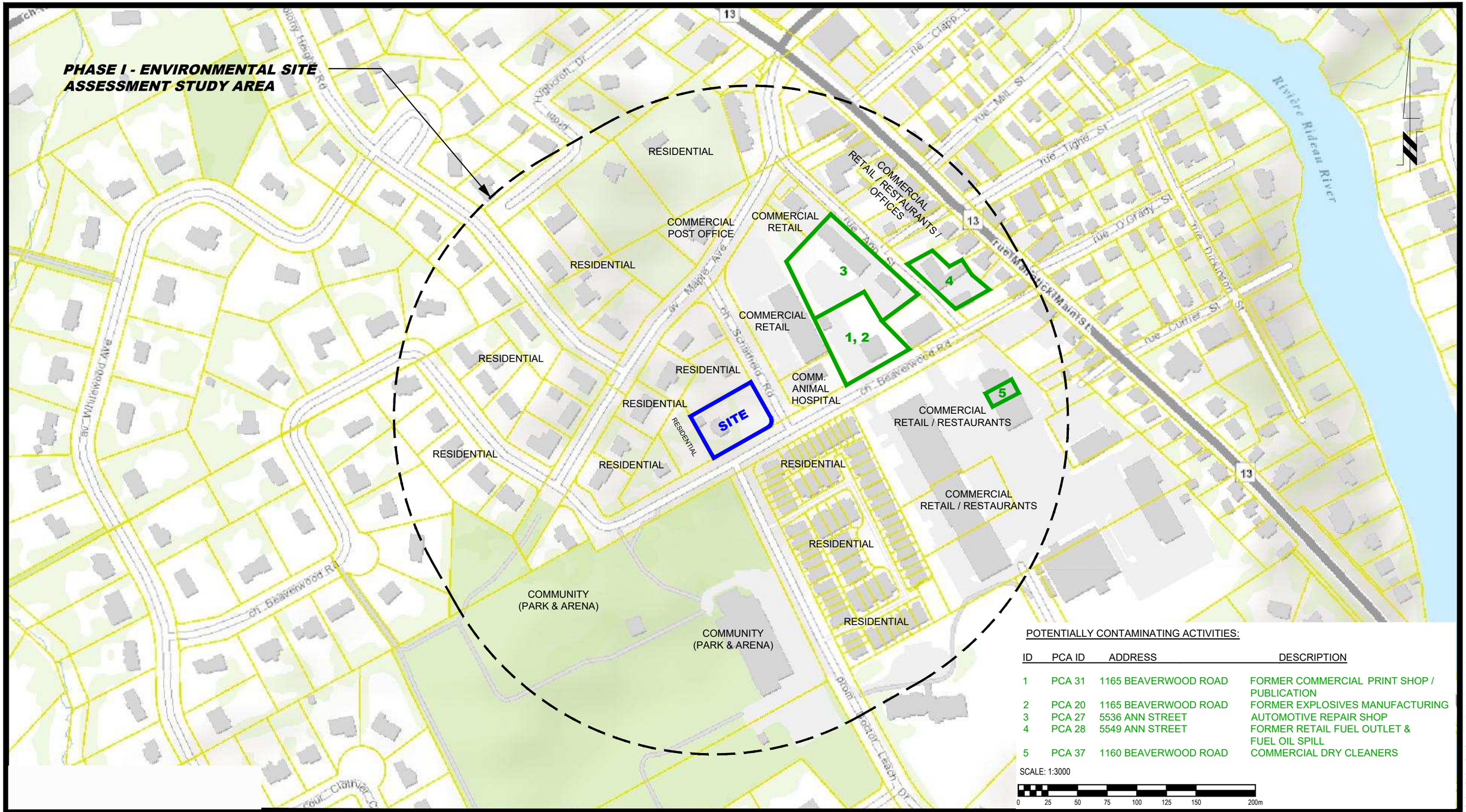
OTTAWA, ONTARIO

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\pe66xx\pe5615\pe5615-1-site plan.dwg



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

0 25 50 75 100 125 150 200m

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.:

p:\autocad drawings\environmental\pe56xx\pe5615\pe5615-2 surrounding land use plan.dwg

APPENDIX 1

SURVEY PLAN

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

TOPOGRAPHICAL PLAN OF SURVEY OF

PART OF BLOCK C
REGISTERED PLAN 771
CITY OF OTTAWA

Prepared by Annis, O'Sullivan, Vollebekk Ltd.

Scale 1 : 200

8.0 6.0 4.0 2.0 0 4 8 Metres

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 Shelp
Ontario Land Surveyor

Notes & Legend

—□—	Denotes	Survey Monument Planted
—■—	-	Survey Monument Found
SIB	-	Standard Iron Bar
SSIB	-	Short Standard Iron Bar
IB	-	Iron Bar
IBØ	-	Round Iron Bar
*	-	Survey Monument (0.3 long)
(WIT)	-	Witness
(AOG)	-	Annis, O'Sullivan, Vollebekk Ltd.
Meas.	-	Measured
(P1)	-	Registered Plan 771
(P2)	-	Plan SR-3519
(P3)	-	Plan by Shipman Nov. 1, 1985
(P4)	-	(AOG) Plan Aug. 22, 2017
◯ MH	-	Maintenance Hole (Unidentified)
○ UP	-	Utility Pole
+ AN	-	Anchor
CSP	-	Corrugated Steel Pipe
T/P	-	Top of Pipe
T/G	-	Top of Grate
FL-SR	-	Snake Rail Fence
CLF	-	Chain Link Fence
+65.00	-	Location of Elevations
+65.00	-	Top of Wall Elevations
▫ TB-B	-	Bell Terminal Box
Ø	-	Diameter
OHW	-	Over Head Wires
HTB	-	Hydro Bottom Bolt (Transformer)
GM	-	Gas Meter
△ S	-	Sign
◯ MH-S	-	Maintenance Hole (Sanitary)
	-	Deciduous Tree
	-	Coniferous Tree
⊖ WV	-	Water Valve
OHW	-	Overhead Wires
C/L	-	Centreline
	-	Property Line

SITE AREA = 2359.5 m²

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
2150119

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR. In accordance with Regulation 1026, Section 29 (3).

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.

ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
14 Concourse Gate, Suite 500
Nepean, Ont. K2E 7S6
Phone: (613) 727-0850 / Fax: (613) 727-1079
Email: Nepean@aovltd.com

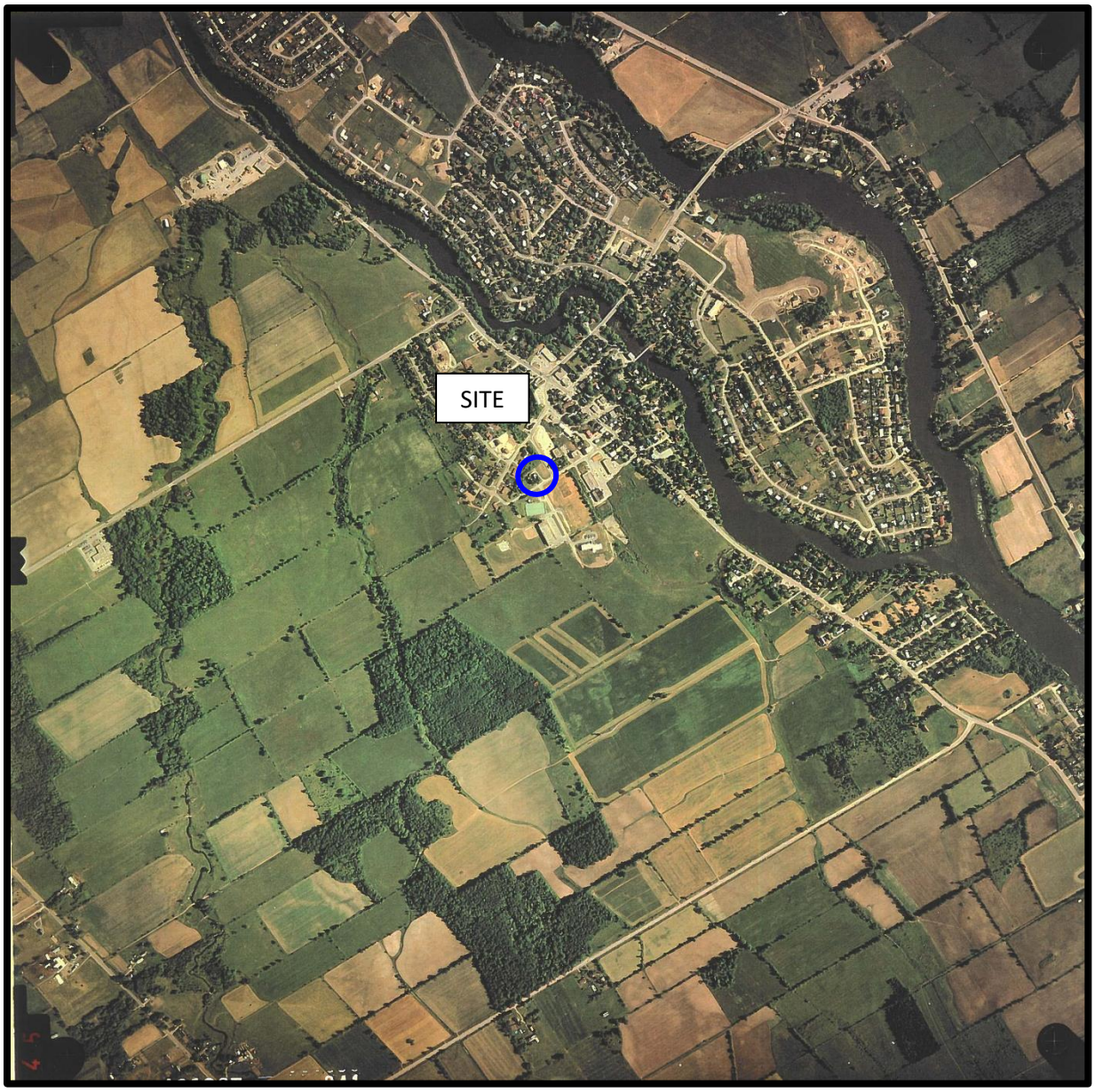
Ontario Land Surveyors

Job No. 20800-20 ARK Pl.Blk C Pl771 T D2 | ns

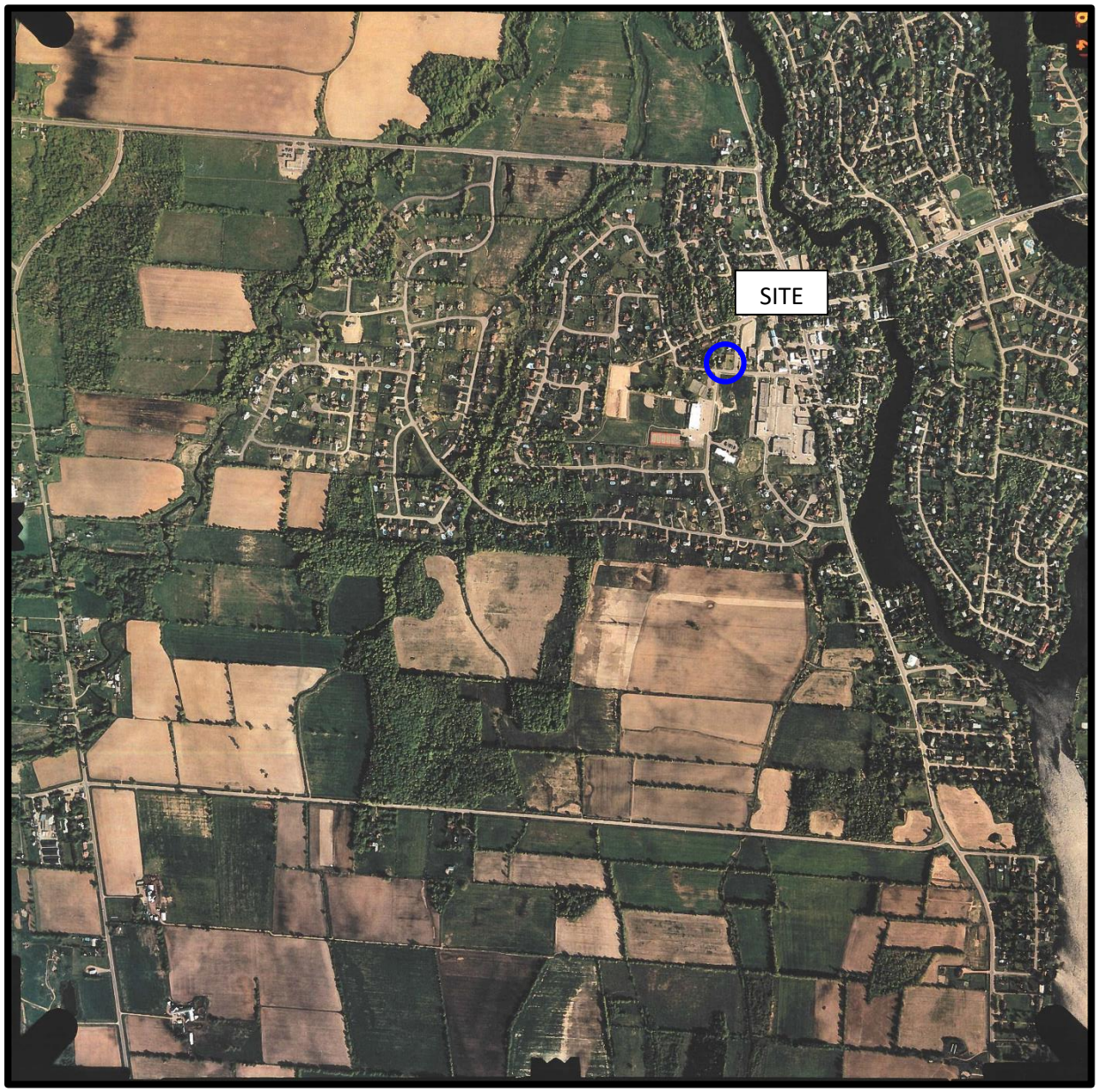
AERIAL PHOTOGRAPH
1936

AERIAL PHOTOGRAPH
1960

AERIAL PHOTOGRAPH
1975



AERIAL PHOTOGRAPH
1983



AERIAL PHOTOGRAPH
1996

AERIAL PHOTOGRAPH
2007

AERIAL PHOTOGRAPH
2019

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.

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

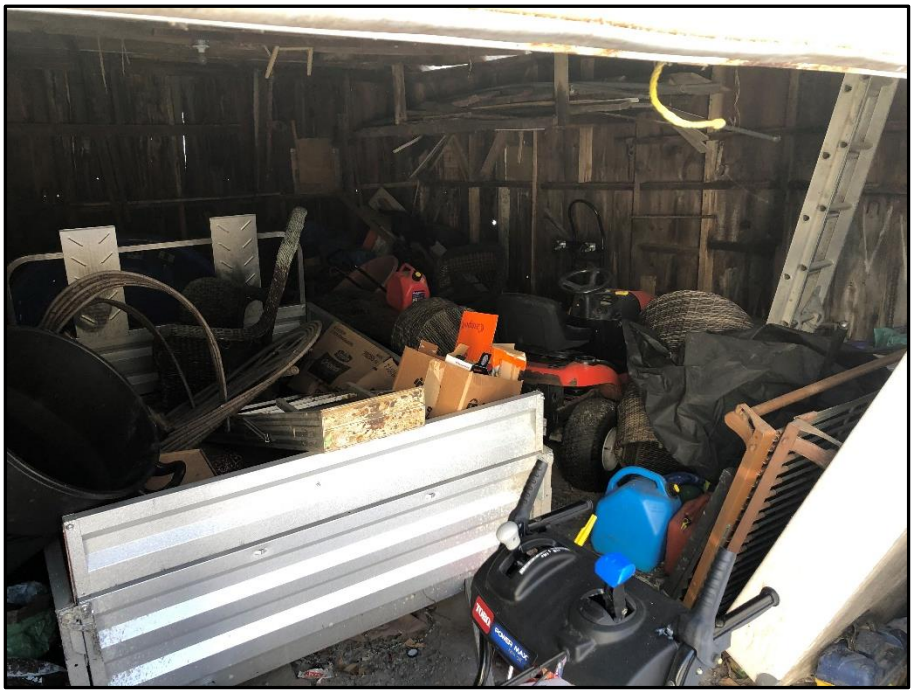


Photo 5: At Beaverwood Road and the eastern gravel entrance, facing towards the eastern portion of the Phase I Property.

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

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

Ontario

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

File Number: D06-03-22-0040

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 keys 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 projects d'amenagement 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

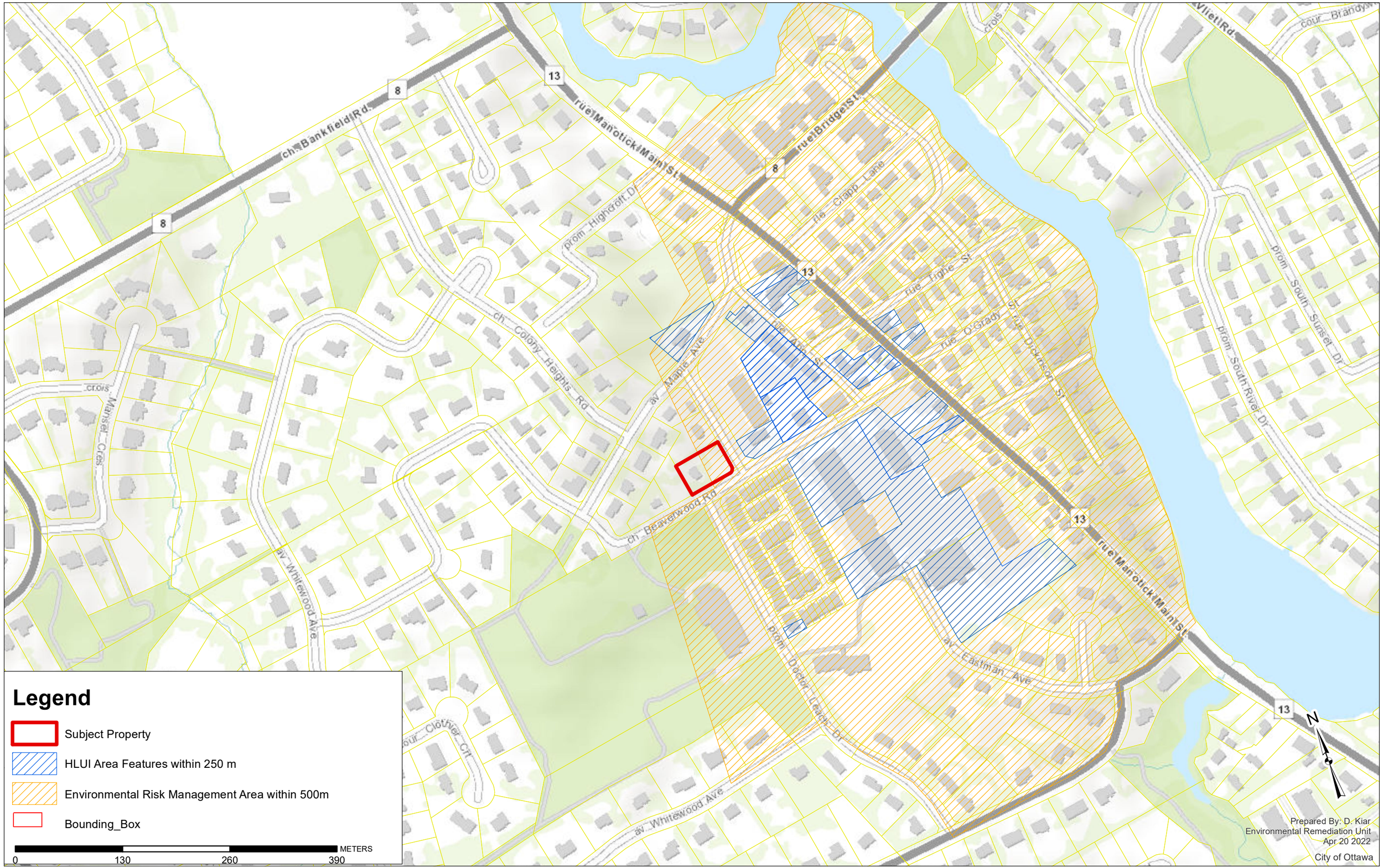
MB / AT

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 | 18 | 414610 | 210 | E
| 9 | R | 5010181 | 01615 | N 31G4g

Elev. | 9 | R | 012195 |

Basin | 25 | | | |

ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario

15 No. 8489

RECEIVED
JAN [illegible] 1951
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

County or Territorial District CARLETON Township, ~~Village, Town or City~~ North Gower (Manotick)

Town or City)

s. MANOTICK ONT.

Date Completed (day) (month) (year) Cost of Well (excluding pump)

Pipe and Casing Record

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? no

Pumping Test

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

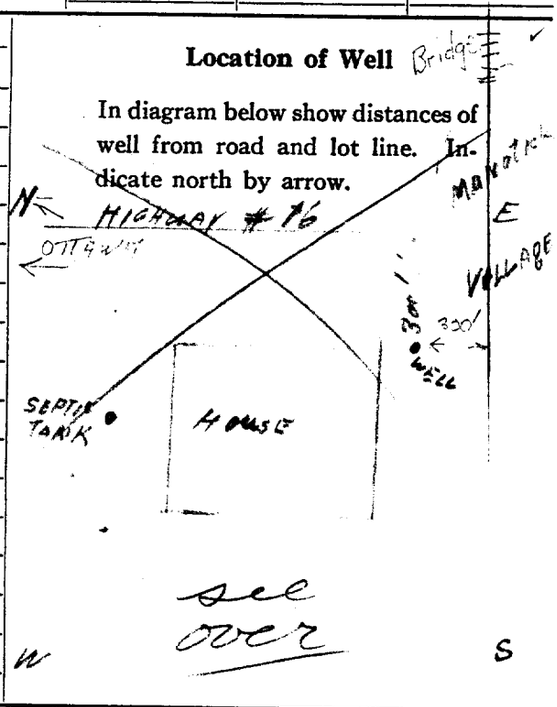
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
60	Good	47

Well Log

Overburden and Bedrock Record	From	To
Gravel & Boulders	0 ft.	38 ft.
Hardpan	38	54
Limestone Rock	54	125

Location of Well

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



see over

Situation: Is well on upland, in valley, or on hillside? Hillside
Drilling Firm J. A. McLaughlin & Son
Address 185 Queen St. Ottawa
Name of Driller J. Larkin Address 276 Bell St. Ottawa
Date Nov. 23 1950 Licence Number 17

J. Larkin
Signature of Licensee

FORM 5

CSS.58

UTM 1 8 | 4 4 6 0 8 5 E   31G4g

15 R | 5 0 0 8 0 3 0 N

Elev 4 R | 0 2 9 0

Basin 2 5

ONTARIO

15 No 6447

GROUND WATER BRANCH
DEC 6 1960
ONTARIO WATER RESOURCES COMMISSION

The Water-well Drillers Act, 1954

Department of Mines

Water-Well Record

[redacted] ip, Village, Town or City ~~Manotick~~ N. Gower

[redacted] Village, Town or City)

[redacted] ddress Manotick

Date completed 5 (day) Nov (month) 1960 (year)

Pipe and Casing Record		**Pumping Test**	
Casing diameter(s)	4"	Static level	20'
Length(s)	2	Pumping rate	10 GPM
Type of screen	nil	Pumping level	24'
Length of screen	—	Duration of test	1 hour

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)
This well reamed out and deepened from					
grey Limestone	94'	125'	125'	105'	fresh

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

Is water clear or cloudy? clear

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

Drilling firm BLAIR PHILLIPS DRILLING CO. LTD.

Address Ottawa

Name of Driller J. Moore

Address Kars

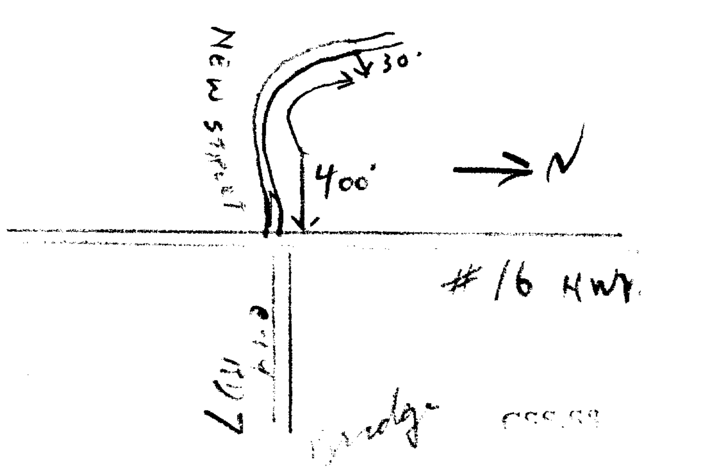
Licence Number 181

I certify that the foregoing statements of fact are true.

Date 5 Nov/60   H. B. Phillips
Signature of Licensee

Location of Well

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



Form 5

L.F.

UTM | 18 | Z | 4 4 6 2 2 5 | E
| 5 | R | 5 0 0 7 9 4 0 | N

Elev. | 4 | R | 0 2 9 0 |

Basin | 2 5 |

31649

GROUND WATER BRANCH
NOV 14 1961
15 No 6448
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District CARLETON Township, Village, Town or City N. GOWER

Con. BF Lot E2 Date completed 8 (day) SEP (month) 61 (year)

[redacted] dress 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 HR
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

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
CLAY LOAM	0	14		
GREY LIMESTONE	14	50	50	FRESH

For what purpose(s) is the water to be used? PLUMBING & HEATING PURPOSES

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

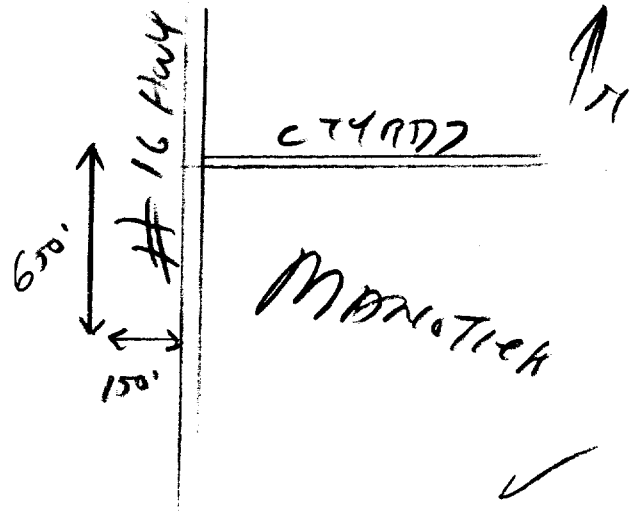
M Meagher
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M Sets 60-5930

OWRC COPY

Location of Well

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



UTM | 1 | 18 | Z | 414161 | 1910 | E 31649
| 9 | R | 5101810 | 12150 | N

Elev. | 9 | R | 021910 |

Basin | 25 | | | |

Lot 2

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

15 No 6766

RECEIVED
JAN 9 1957
GEOLOGICAL BRANCH
DEPARTMENT of MINES

Water-Well Record

County or Territorial District Cochrane Township, Village, Town or City Whitney Town
[redacted] in Village, Town or City) Manotick
Address Manotick

(day) (month) (year)

Pipe and Casing Record

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

Pumping Test

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

Well Log

Overburden and Bedrock Record	From ft.	To ft.
Clay	1'	21'
Limestone	21'	30'

Water Record

Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
5'	46'	fresh

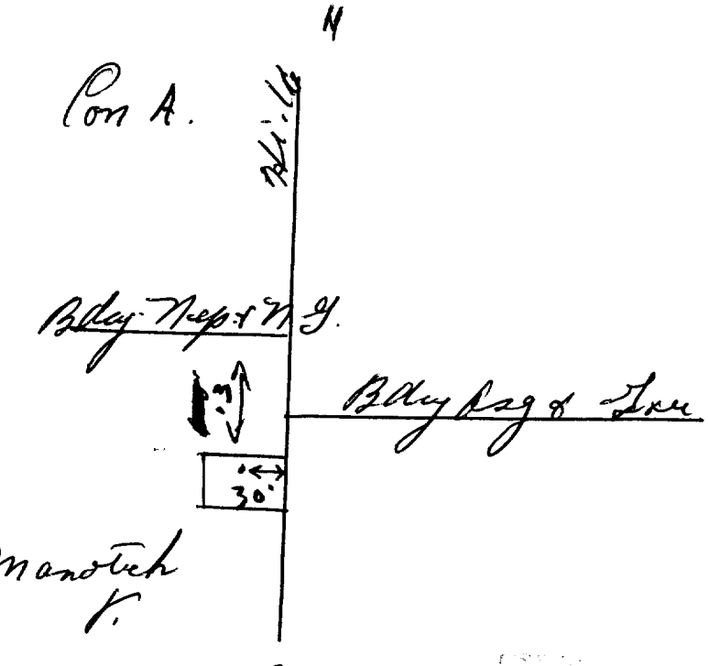
For what purpose(s) is the water to be used?
Home
Is water clear or cloudy? clear
Is well on upland, in valley, or on hillside?
valley
Drilling firm M. McVeagh
Address 639 Parkdale Ave
Name of Driller M. McVeagh
Address
Licence Number 171

I certify that the foregoing statements of fact are true.

Date Dec 31 - 56 M. McVeagh
Signature of Licensee

Location of Well

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



Form 5

UTM 18 Z 414161155 E
19 R 5101018101610 N
31648
Elev. 19 R 029101
Basin 25;

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

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

Water-Well Record

County or Territorial District Carleton Township, Village, Town or City N. Gower
[redacted] in Village, Town or City)
Address Manotick

(day) (month) (year)

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) 34'
Type of screen NONE
Length of screen

Pumping Test

Static level 6'
Pumping rate 200 G.P.H.
Pumping level 20'
Duration of test 1 hr.

Well Log

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)
Clay	0'	34'			
Limestone GREY	34'	36'	36'	30	fresh

Water Record

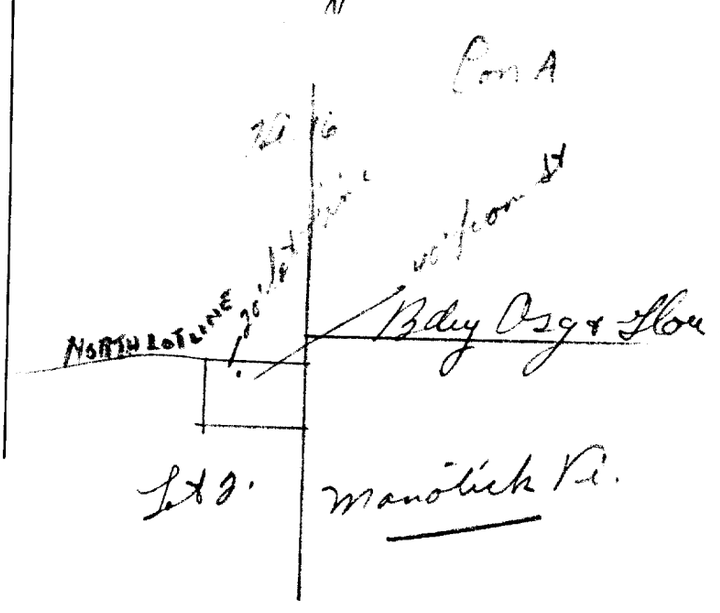
For what purpose(s) is the water to be used? Domestic
Is water clear or cloudy? clear
Is well on upland, in valley, or on hillside? valley
Drilling firm W. McGaughey
Address 639 Bowbridge Ave Ottawa
Name of Driller W. McGaughey
Address
Licence Number 171

I certify that the foregoing statements of fact are true.

Date January 24 W. McGaughey
Signature of Licensee

Location of Well

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



Form 5

UTM 18 Z 414161 5010 E
15 R 5010181016610 N
Elev. 5 R 012901
Basin 25

31G49

GROUND WATER BRANCH
JUN 15 1959 No.
ONTARIO WATER RESOURCES COMMISSION

C
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 7 Date completed 30 (day) MAR (month) 59 (year)

[redacted] ress MACKAY

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 1HR
Water clear or cloudy at end of test CLEAR
Recommended pumping rate 4 G.P.M.
with pumping level of 12

Well Log

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)
CLAY	0	13			
LIMESTONE	13	44	42	36	FRESH

Water Record

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

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

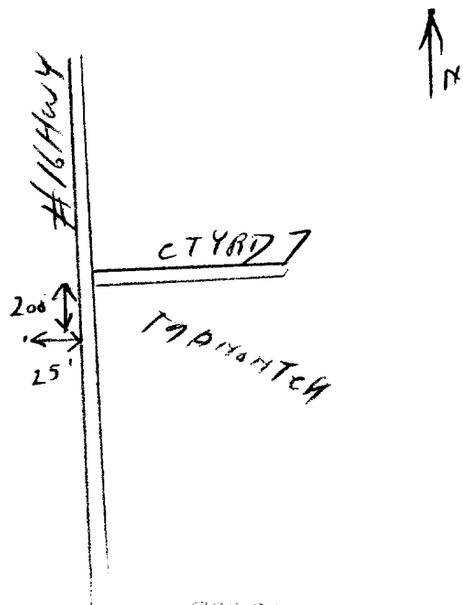
Drilling Firm J MEAGHER
Address 639 BOWANWOOD AVE
OTTAWA

Licence Number
Name of Driller SAME
Address
Date MAY 25/59

✓ J 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.



Form 5
15M-58-4149

S4

UTM 18 Z 446280 E 31G4g

5 R 5007920 N

Elev. 5 R 0295

Basin 25

Lot 2

The Ontario Water Resources Commission Act, 1957

C X

WATER WELL RECORD

County or District CARLETON Township, Village, Town or City N. GOWER

[redacted]ate completed 28 (day) NOV (month) 60 (year)

[redacted]ldress MANOTICK

Casing and Screen Record

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"

Pumping Test

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~~ SET 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)
CLAY & BOULDERS	0	20			
GRAVEL	20	39			
GREY LIMESTONE	39	64	64	36	FRESH

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

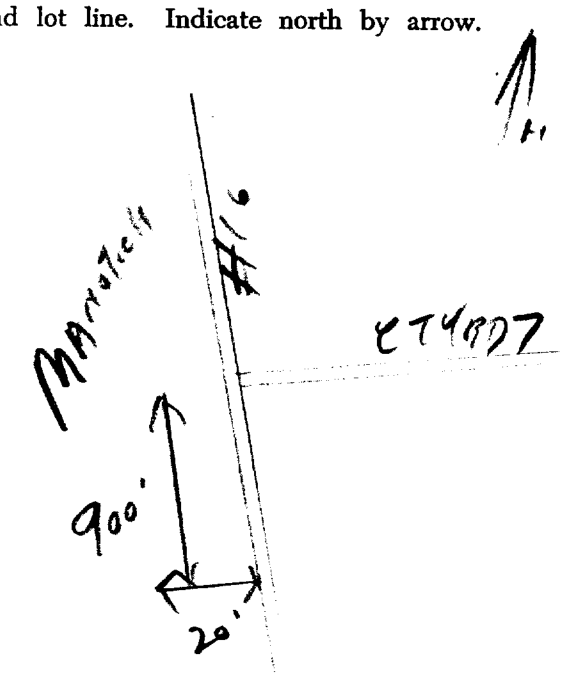
Date MAY 13/61

M Meagher
(Signature of Licensed Drilling Contractor)

Form 5

Location of Well

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



UTM 18 Z 441611610 E 3164g
15 R 5101719510 N

Elev. 15 R 021910

Basin 25

County or District Carleton

Township, Village, Town or City N. Gower

Con. B.F. Lot 2

Date completed 1 (day) Feb (month) 1963 (year)

[redacted] ress Manotick Ont.

The Ontario Water Resources Commission Act

WATER WELL RECORD

GROUND WATER BRANCH
No. 6421
MAR 7 1963
ONTARIO WATER RESOURCES COMMISSION

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	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: 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

McLean Water Supply Ltd.

Address 1532 Raven Ave
Ottawa

Licence Number 758

Name of Driller or Borer A. Schaaf

Address

Date Feb 1, 1963

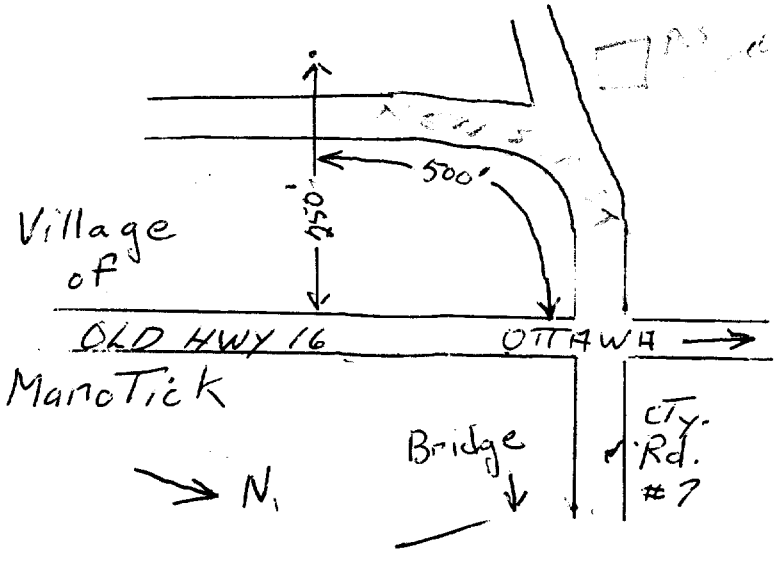
(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

Location of Well

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



UTM 1 18 Z 4 4 6 0 2 0 E 31G-49

15 R 5 0 0 7 9 6 0 N

Elev. 6 0 3 1 0

Basin 25 /

The Ontario Water Resources Commission Act, 1957

C

WATER WELL RECORD

County or District: CARLETON   Township, Village, Town or City: N GOWER

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

Owner: POSTOFFICE (print in block letters)   Address: MANOTICK

Casing and Screen Record

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"

Pumping Test

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)
BOULDER LOAM	0	36			
GRAVEL	36	42			
GREY LIMESTONE	42	94	94	60	FRESH

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

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

Drilling Firm: M MEAGHER

Address: OTTAWA

Licence Number:

Name of Driller: SAME

Address:

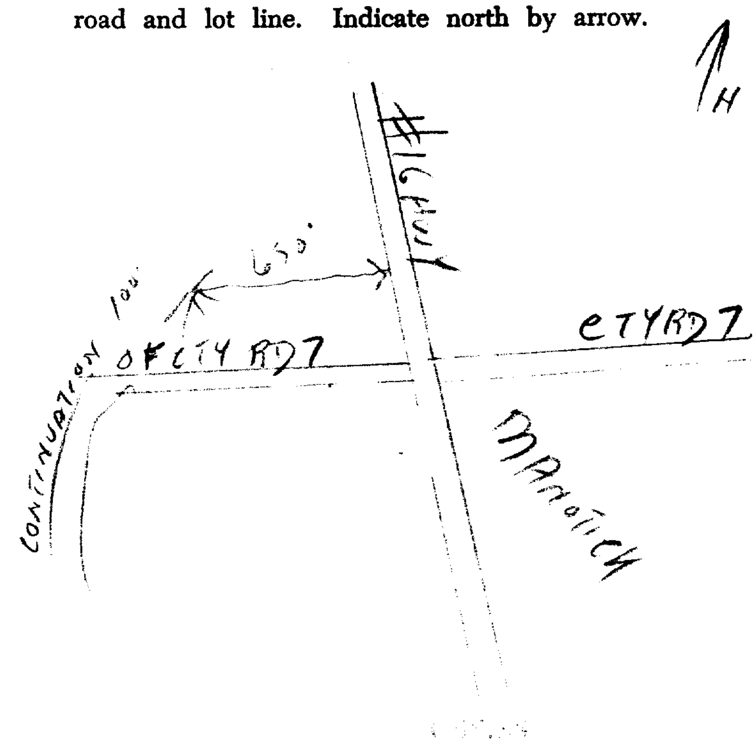
Date: AUG 26/60

M Meagher
(Signature of Licensed Drilling Contractor)

Form 5

Location of Well

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



3

UTM 1/8 Z 4 4 6 0 2 0 E 31G49

5 R 5 0 0 7 9 4 0 N

Elev 6 - 0 3 1 0

Basin 2 5

6590

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Carleton Township, Village, Town or City North Gower twsp.

Con. A Lot 1 Date completed 3 October 1963. (day month year)

Owner Federal Government Post Office (print in block letters) Address 1010 Somerset Street, West, Ottawa

Casing and Screen Record

Inside diameter of casing 4"

Total length of casing 35'0"

Type of screen nil

Length of screen nil

Depth to top of screen n/a

Diameter of finished hole 4"

Pumping Test

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

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: 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 Falaise Road, Ottawa 5, Ontario.

Licence Number 1010

Name of Driller or Borer M. Sztepa

Address 90 Grove Ave. Ottawa, Ont.

Date 4 October 1963.

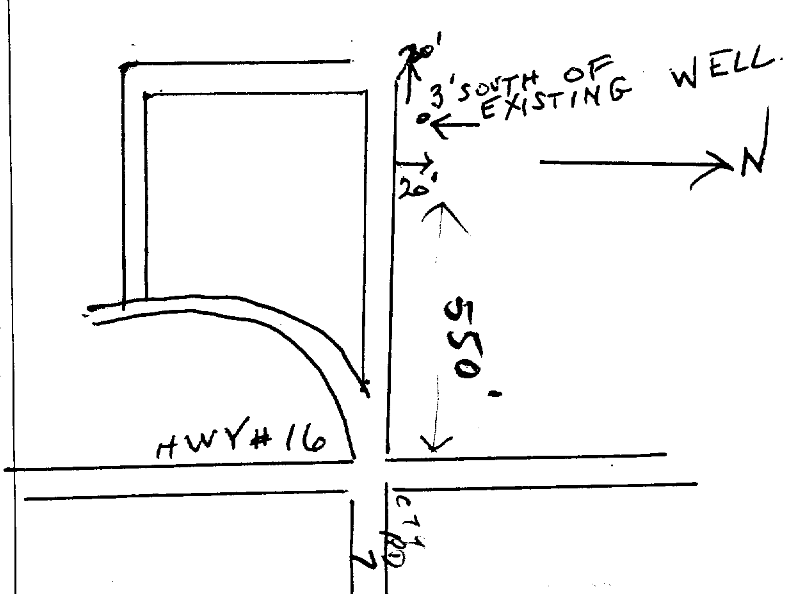
(Signature of Licensed Drilling or Boring Contractor)

Form 7 5M-61-3852

OWRC COPY

Location of Well

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



UTM 18 414610 12 10 E
15 R 5010 18 01 710 N 31G4g

Elev. 16 R 012 910

Basin 25

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

15 No 6613

RECEIVED
FEB 23 1949
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

County or District Carleton Tp. North Gower Con. A Lot #1 Pt. Lot

[redacted] Manotick Acres 5

[redacted] including pump) $1650.00

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) of casing(s) 5'
Length of screen
Type of screen
Type of pump
Capacity of pump
Depth of pump setting

Pumping Test

Date Dec 15
Developed Capacity 3000 Gals hr +
Duration of Test 1 hr
Pumping Rate
Drawdown 10"
Static level of completed well 5'5" 4'
Is well a gravel-wall type? No

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? Ice skating rink
How far is well from possible source of contamination? none
What is source of contamination?
Enclose a copy of any mineral analysis that has been made of water

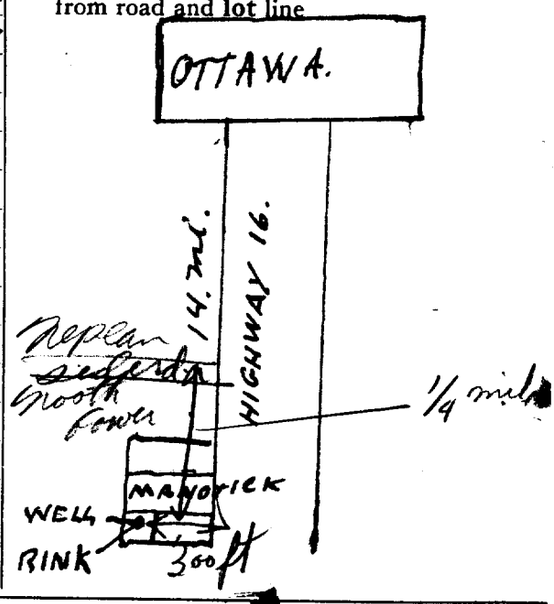
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
4'	fresh	4-1"
45'		

Well Log

Drift and Bedrock Record	From	To
	0 ft.	ft.
Top soil - clay	[illegible]	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. Vaughan

Address 361 Bruce St Britannia Bay

Recorded by M. M. Vaughan Address 361 Britannia Bay Ottawa

Date Dec. 20/60. Licence Number

TM 1 8 Z 4 4 6 0 3 0

4 R 5 0 6 7 9 8 0

SV. 56 R 0 3 0 5

Basin 2 5 CARLETON

1509945

3 9

316/14

JAN 28 1969

ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

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

Con. 771 AREA Lot 2 ~~2~~ Date completed 2 (day) SEPTEMBER (month) 1968 (year)

Owner [redacted] Address MANOTICK.

(print in block letters)

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

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

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

HOUSE

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

Drilling or Boring Firm W. A. DEEVY

Address 2898 HAUGHTON ST OTTAWA 14 ONT

Licence Number 3024

Name of Driller or Borer W. A. DEEVY

Address 2898 HAUGHTON ST

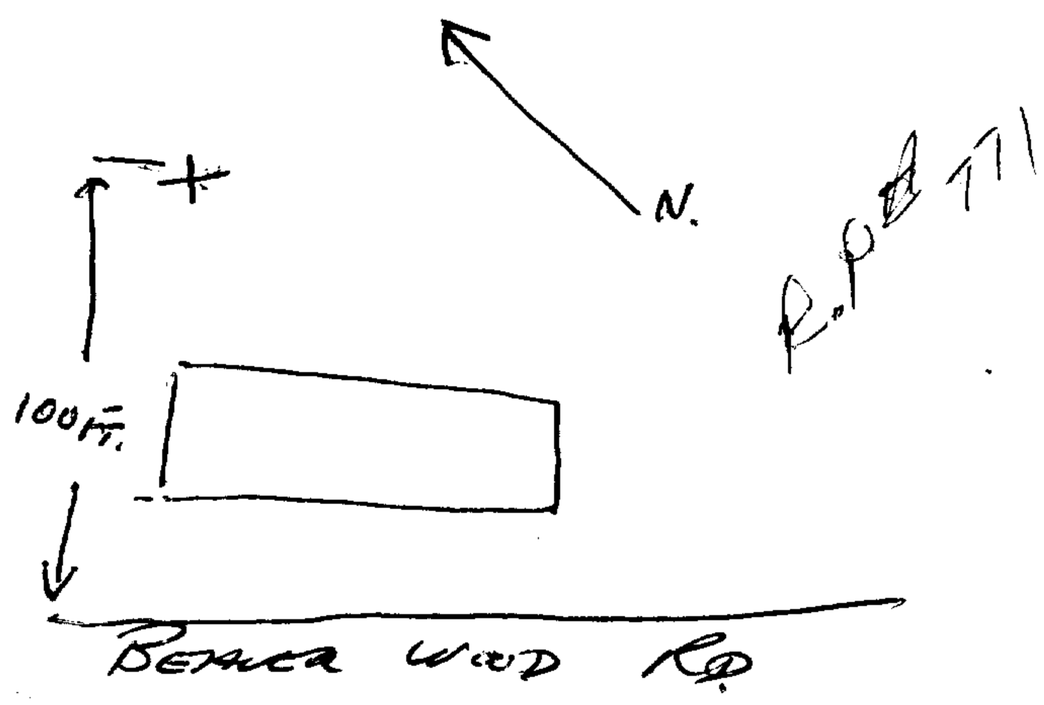
Date SEPTEMBER 28 1968

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.



Form 7 15M-60-4138

OWRC COPY

UTM 18 Z 445860 (890) Con A Lot 2

4 R 5097860 (910) CODED KF

Elev. 5 R 9310

Basin 25

15100 54

Water management in Ontario

The Ontario Water Resources Commission Act

WATER WELL RECORD

DIVISION OF WATER RESOURCES

County or District Carl

Township, Village, Town or City North Gower

Con. A ~~RF~~ Lot 2

Date completed 3 (day) Mar month 1969 year)

[redacted]

3 1969

Address Manotick Ont. Box 346

WATER RESOURCES COMMISSION

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"

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

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

Walter Kavanagh

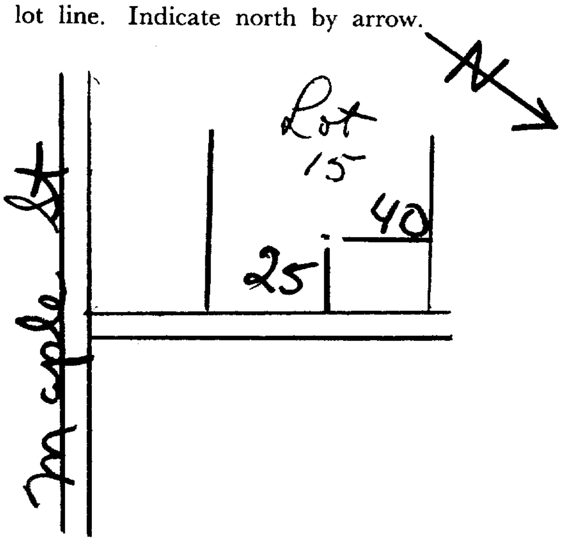
(Signature of Licensed Drilling or Boring Contractor)

Form 7

OWRC COPY

Location of Well

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



The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

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

11 | 1510183 | MUNICIP. 15004 | CON. BF

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

[redacted] or 69, Richmond Ont | DATE COMPLETED: DAY 28 MO. 08 YR. 69

07970 | RC. 4 | ELEVATION 0305 | 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	DEPTH – FEET TO
brown	clay	boulders		0	21
brown	sand	stones		21	48
grey	hardpan			48	55
grey	limestone			55	101

31 | 0021605 13 | 0048609 12 | 0055214 | 0101215

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0100	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
05	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	~~58~~ 8058
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0101
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	0010 GPM.	01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
050 FEET	~~60~~ FEET	1 ☒ PUMPING 2 ☐ RECOVERY	055 FEET	060 FEET	065 FEET	065 FEET

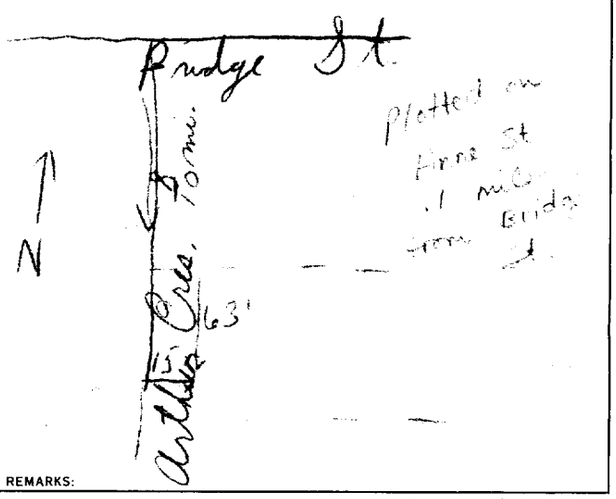
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM.	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	080 FEET	0010 GPM.

50-53 0001.7 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 (54)

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

WATER USE (55-56) 01

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

METHOD OF DRILLING (57)

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: 3520

ADDRESS: Box 326 Richmond Ont.

NAME OF DRILLER OR BORER: Howard Scott | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Henry Mains | SUBMISSION DATE DAY 1 MO. Sept YR. 69

OFFICE USE ONLY

DATA SOURCE (58): 1 | CONTRACTOR (59-62): 3644 | DATE RECEIVED (63-68): 190969

DATE OF INSPECTION | INSPECTOR: Klick

REMARKS: Plotted

OWRC COPY

The Ontario Water Resources Commission Act

WATER WELL RECORD

31649.

Water management in Ontario

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

11 (1 2) 1510575 MUNICIP. 15004 (10 14) CON. GAN A (15 22 23 24)

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT (25-27)
Carleton	North Gower Township	~~Reg Plan 771~~ A	[redacted]

OWNER (SURNAME FIRST) (28-47)	ADDRESS	DATE COMPLETED (48-53)
M. Loeb Ltd.	400 Industrial Avenue, Ottawa, Ont.	DAY 22 MO 04 YR ~~1970~~ 70

21 (1 2) UTM ZONE 18 (10) EASTING 446080 (12 17) NORTHING 5007915 (18 24) RC 4 (25) ELEVATION 0300 (26) RC 5 (30) BASIN CODE 25 (31) (II III IV 47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
Grey	Limestone -	Badly Fractured		5'	19'
Grey	Limestone		Hard Lenses	19'	47'6"

API

31 (1 2) 0025 23 (10 14 15) 0048215 (21 32 43 54 65 75 80)

32 (1 2)

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0040 (10-13)	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (14)
~~121~~ (15-18)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (19)
(20-23)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (24)
(25-28)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (29)
(30-33)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (34) (80)

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
06" (10-11)	1 ☒ STEEL (12) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	~~20~~ 0020 (13-16)
06 (17-18)	1 ☐ STEEL (19) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		20	0048 ~~47'6"~~ (20-23)
(24-25)	1 ☐ STEEL (26) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			(27-30)

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD (10)	PUMPING RATE (11-14)	DURATION OF PUMPING (15-16 HOURS, 17-18 MINS.)
1 ☒ PUMP 2 ☐ BAILER	0040 GPM.	12 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (25)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
008 (19-21) ~~8'4"~~ FEET	020 (22-24) ~~19'11"~~ FEET	1 ☒ PUMPING 2 ☐ RECOVERY	017 (26-28) ~~17'5"~~ FEET	019 (29-31) ~~18'10"~~ FEET	019 (32-34) ~~19'~~ FEET	020 (35-37) ~~19'11"~~ FEET

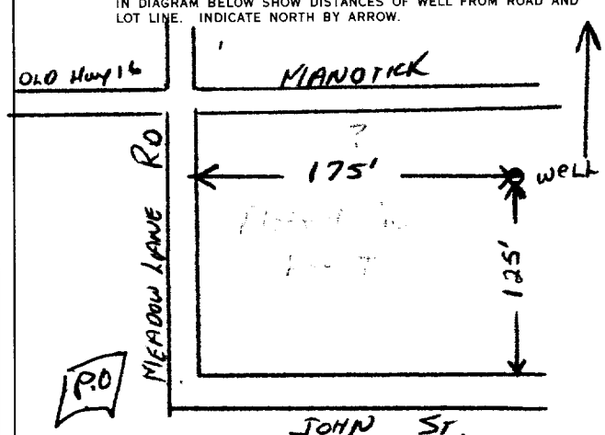
IF FLOWING, GIVE RATE (38-41)	PUMP INTAKE SET AT	WATER AT END OF TEST (42)
N/A GPM.	29 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING (43-45)	RECOMMENDED PUMPING RATE (46-49)
☐ SHALLOW ☐ DEEP	030 FEET	~~40~~ 0040 GPM.

(50-53) 003.3 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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



PLAN 771 Lot 6.

DRILLERS REMARKS: IGA MANOTICK.

FINAL STATUS OF WELL (54)

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

WATER USE (55-56) 05

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

METHOD OF DRILLING (57)

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: F.E. Johnston Drilling Co Ltd. LICENCE NUMBER: 3002

ADDRESS: Box 4134, Stn. "E", Ottawa, Ontario.

NAME OF DRILLER OR BORER: Mr. G. Gibbons LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: F.E. Johnston SUBMISSION DATE: DAY 15 MO. 5 YR. 1970

OWRC COPY

OFFICE USE ONLY

DATA SOURCE (58): 1 CONTRACTOR (59-62): 3002 DATE RECEIVED (63-68): 250570 (80)

DATE OF INSPECTION: INSPECTOR:

REMARKS:

The Ontario Water Resources Commission Act

WATER WELL RECORD

316/49

Water management in Ontario

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

11 | 1510653 | MUNICIP. 15004 | CON. CON | A

COUNTY OR DISTRICT: CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: NORTH GOWER
CON., BLOCK, TRACT, SURVEY, ETC.: A
LOT: ~~2~~ 002

[redacted]
1165 MEADOWLANDS DR.

DATE COMPLETED: DAY 23 MO 06 YR 70

HHING: 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	DEPTH – FEET TO
BROWN	CLAY	SAND & BOULDERS	HARD	0	19
GREY	HARDPAN	LARGE BOULDERS	HARD	19	35
GREY	LIMESTONE		HARD	35	91

31: 0019 0050 9 1 3 | 0035 2 1 4 1 3 | 0091 2 1 5

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0090	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
~~5~~	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ ~~OPEN HOLE~~	188	0	~~78~~ 0040
05			40	~~91~~
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0091
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	0010 GPM.	01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
035 FEET	045 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	045 FEET	045 FEET	045 FEET	045 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM.	FEET	1 ☐ CLEAR 2 ☒ CLOUDY

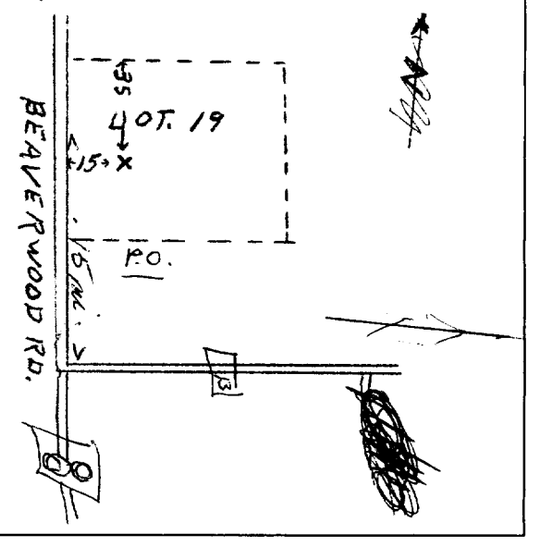
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	FEET	GPM.

50-53: 001·0 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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

at Post office N. Gower Twsp



DRILLERS REMARKS:

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 01

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING ☐ OTHER 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: CAPITAL WATER SUPPLY | LICENCE NUMBER: 1558
ADDRESS: 14 ASHFORD Dr Ottawa
NAME OF DRILLER OR BORER: J. MOORE | LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Walter Lawrence | SUBMISSION DATE: DAY MO YR

OWRC COPY

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 1558 | DATE RECEIVED: 210770
DATE OF INSPECTION | INSPECTOR
REMARKS:

The Ontario Water Resources Commission Act

WATER WELL RECORD

319 4g.

Water management in Ontario

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

11 | 1511320 | MUNICIP. 15004 | CON. C&N A

COUNTY OR DISTRICT: Carl

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: North Gower

CON., BLOCK, TRACT, SURVEY, ETC.: A

LOT: ~~25~~ 002

[redacted] Manotick Ont

DATE COMPLETED: DAY 30 MO 07 YR 71

UTM NORTHING: 0078220 | 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	DEPTH – FEET TO
brown	clay	sand	packed	0	10
grey	"	sand & boulders	hard	10	56
~~brown~~ grey	lime		hard	56	89

31: 00106509 | 00562509113 | 0089215

32:

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0087	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
~~6~~ 6	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE ~~4 ☐ OPEN HOLE~~	188	0	~~59~~ 0059
06			59	~~89~~ 89
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0089
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 0010 GPM. | DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
055 FEET	080 FEET		080 FEET	080 FEET	080 FEET	080 FEET

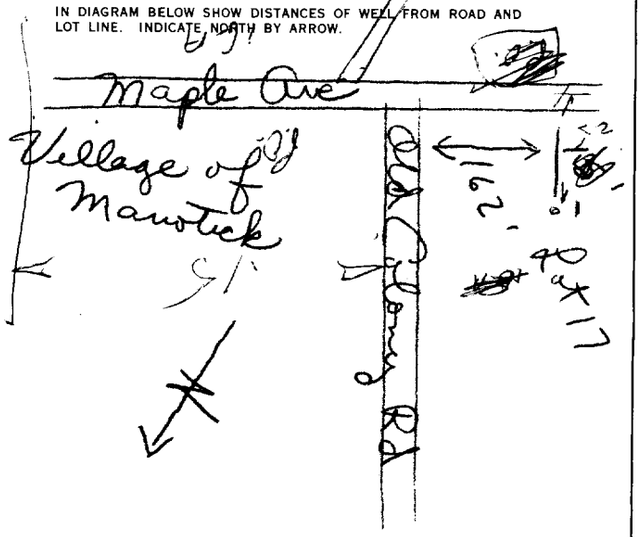
IF FLOWING, GIVE RATE: GPM. | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☐ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 080 FEET | RECOMMENDED PUMPING RATE: 0005 GPM.

000.4 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 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01: 1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 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: Capital Water Supply | LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Dr Ottawa

NAME OF DRILLER OR BORER: B Bisson | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Walter Lavanac | SUBMISSION DATE: DAY MO YR

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 1558 | DATE RECEIVED: 190871

DATE OF INSPECTION | INSPECTOR

REMARKS: P WI

OWRC COPY

The Ontario Water Resources Commission Act

WATER WELL RECORD

31G-4g

Water management in Ontario

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2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 (1 2) | 1511335 (3) | MUNICIP. 15004 (10 14) | CON. BF GQN (15 22 23 24)

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT (25-27)
Carl	North Gower	~~E~~ ~~#~~ B.F.	~~25~~ 002

[redacted] anotick Ont

DATE COMPLETED (48-53): DAY 08 MO. 07 YR. 71

NG 0798 (24) | RC. 4 (25) | ELEVATION 0300 (26) | RC. 5 (30) | BASIN CODE 2 5 (31) | I | II | III | IV (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

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

31: 0009 0090 ST | 0089 2/15 | 9/20/18

32: (1-9 10 14 15 21 32 43 54 65 75 80)

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0081 (10-13)	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (14)
0118 (15-18)	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (19)
(20-23)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (24)
(25-28)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (29)
(30-33)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (34) (80)

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
~~5~~ 6 (10-11)	~~1~~ 2 ☒ STEEL (12)	188	0	~~50~~ 120
05	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE		50	0050
(17-18)	1 ☐ STEEL (19) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0120 (20-23) ~~0088~~
(24-25)	1 ☐ STEEL (26) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			(27-30)

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD (10)	PUMPING RATE (11-14)	DURATION OF PUMPING (15-16 HOURS, 17-18 MINS.)
1 ☐ PUMP 2 ☒ BAILER	~~8~~ 0008 GPM.	01 HOURS 00 MINS.

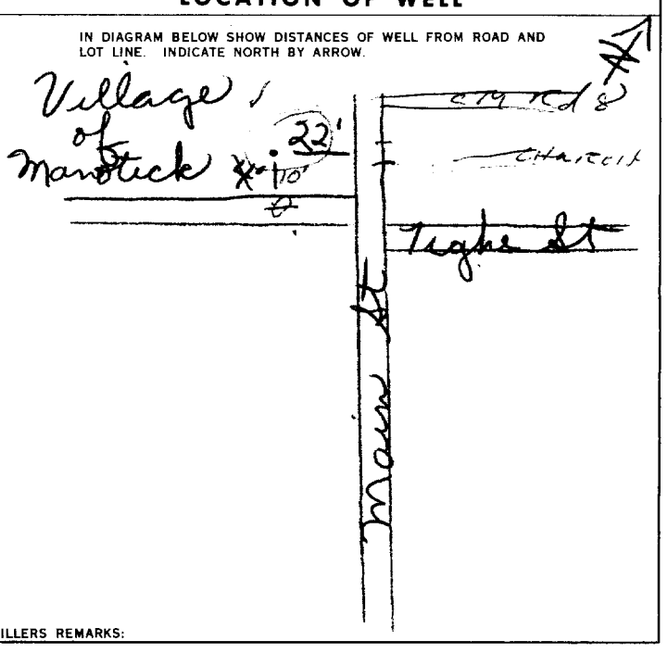
STATIC LEVEL (19-21)	WATER LEVEL END OF PUMPING (22-24)	WATER LEVELS DURING (25)	15 MINUTES (26-28)	30 MINUTES (29-31)	45 MINUTES (32-34)	60 MINUTES (35-37)
015 FEET	070 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	070 FEET	070 FEET	070 FEET	070 FEET

IF FLOWING, GIVE RATE (38-41) GPM.	PUMP INTAKE SET AT FEET	WATER AT END OF TEST (42)	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING (43-45) FEET	RECOMMENDED PUMPING RATE (46-49) GPM.
		1 ☐ CLEAR 2 ☒ CLOUDY	☐ SHALLOW ☒ DEEP	075	0005

(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 (54)

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

WATER USE (55-56) 01

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

METHOD OF DRILLING (57)

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 — LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Dr Ottawa

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

SIGNATURE OF CONTRACTOR: Walter Kawana — SUBMISSION DATE: DAY MO YR

OFFICE USE ONLY

DATA SOURCE (58): 1 — CONTRACTOR (59-62): 1558 — DATE RECEIVED (63-68): 90871 (80)

DATE OF INSPECTION — INSPECTOR

REMARKS: P WI

OWRC COPY

The Ontario Water Resources Commission Act

WATER WELL RECORD

316 49

Water management in Ontario

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

11 | 1511375 | MUNICIP. 1501 04 | CON. C&N A

COUNTY OR DISTRICT: Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: North Gower
CON., BLOCK, TRACT, SURVEY, ETC.: A
LOT: 002
[redacted] Navan Ontario
DATE COMPLETED: DAY 26 MO. 08 YR. 71
NORTHING: 0107760 RC. H ELEVATION: 03210 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	DEPTH – FEET TO
Brown	Clay	sand boulders	packed		13
Brown	Sand	gravel Clay	"	13	22
Grey	Hardpan	boulders	hard	22	34
Grey	Limestone		hard	34	87

31 | 0013 60 50 91 13 | 0022 60 91 N 05 | 0034 21 41 13 | 0087 21 15

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0085'	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
~~6~~ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	~~34~~ 0036
~~5~~ 06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		36	~~87~~ 0087
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 0006 GPM.
DURATION OF PUMPING: 01 HOURS 00 MINS.

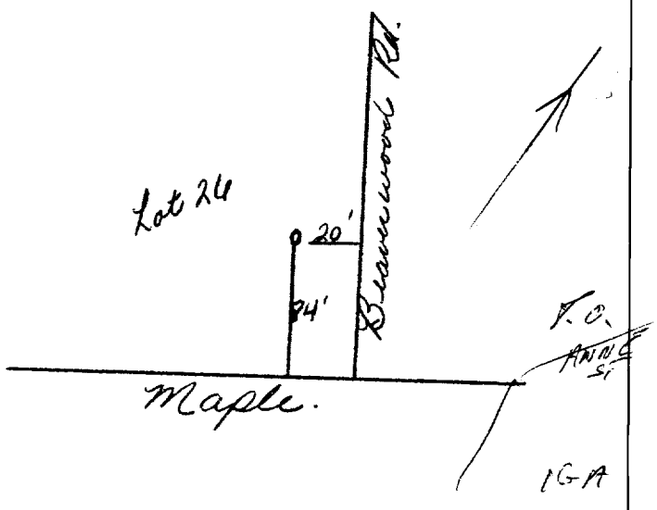
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
018 FEET	075 FEET	075 FEET	075 FEET	075 FEET	~~075~~ FEET

1 ☒ PUMPING 2 ☐ RECOVERY

IF FLOWING, GIVE RATE: – GPM.
PUMP INTAKE SET AT: 75 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 075 FEET
RECOMMENDED PUMPING RATE: 0006 GPM.
0001 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 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 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: Capital Water Supply Ltd. LICENCE NUMBER: 1558
ADDRESS: 14 Ashford Dr. Ottawa
NAME OF DRILLER OR BORER: Bob Bisson LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Walter Kavanagh SUBMISSION DATE: DAY 26 MO. 7 YR. 71

OWRC COPY

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 1558 | DATE RECEIVED: 100971
DATE OF INSPECTION: | INSPECTOR:
REMARKS: P WI

The Ontario Water Resources Commission Act

WATER WELL RECORD

3194

Water management in Ontario

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

11 | 1511389 | MUNICIP. 150014 | CON. GAN 01

COUNTY OR DISTRICT: Carl | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: North Gower | CON., BLOCK, TRACT, SURVEY, ETC.: 1 | LOT: 007

OWNER (SURNAME FIRST): [redacted] | ADDRESS: Manotick Ont | DATE COMPLETED: DAY 19 MO 08 YR 71

UTM | aa7740 | 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	DEPTH – FEET TO
brown	hardpan	boulders	packed	0	34
grey	lime		hard	34	117
"	sandstone		"	117	150

31 | 0034 6 1 4 3 | Q 1 1 7 2 1 5 | Q 1 5 0 2 1 8

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0078	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0149	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
~~07~~	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	~~036~~ 036
06			36	~~150~~ 0150
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0150
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER | PUMPING RATE: 0008 GPM. | DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
030 FEET	075 FEET		075 FEET	075 FEET	075 FEET	075 FEET

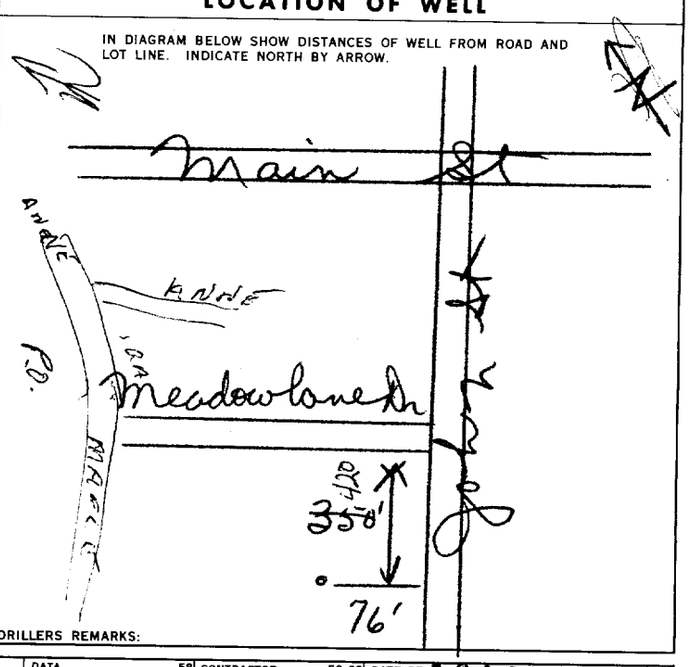
IF FLOWING, GIVE RATE: GPM. | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 080 FEET | RECOMMENDED PUMPING RATE: 0005 GPM.

000.2 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; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED

WATER USE 01: 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 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: Capital Water Supply | LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Dr

NAME OF DRILLER OR BORER: B Bisson | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Walter Kavanagh | SUBMISSION DATE: DAY 19 MO 8 YR 71

OWRC COPY

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 1558 | DATE RECEIVED 100971

DATE OF INSPECTION | INSPECTOR

REMARKS:

P

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 | 1511479 | MUNICIP. 15004 | CON. CON A

COUNTY OR DISTRICT: Carl | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: North Gower | CON., BLOCK, TRACT, SURVEY, ETC.: A | LOT: ~~004~~ 002

OWNER (SURNAME FIRST): Julien Constr Ltd | ADDRESS: Richmond Ont | DATE COMPLETED: DAY 02 MO. 09 YR. 71

21 | UTM ZONE 18 | EASTING 445840 | NORTHING 5007870 | 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	DEPTH – FEET TO
brown	sand	clay boulders	packed	0	18
grey	hardpan		"	18	34
"	lime		hard	34	89

31 | 00186090ST | 00342141413 | 00892151

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0062	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0086	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
~~04~~ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ ~~OPEN HOLE~~	188	0	0036
06			36	~~89~~
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0089
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER | PUMPING RATE: 0008 GPM. | DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
018 FEET	070 FEET		070 FEET	070 FEET	070 FEET	070 FEET

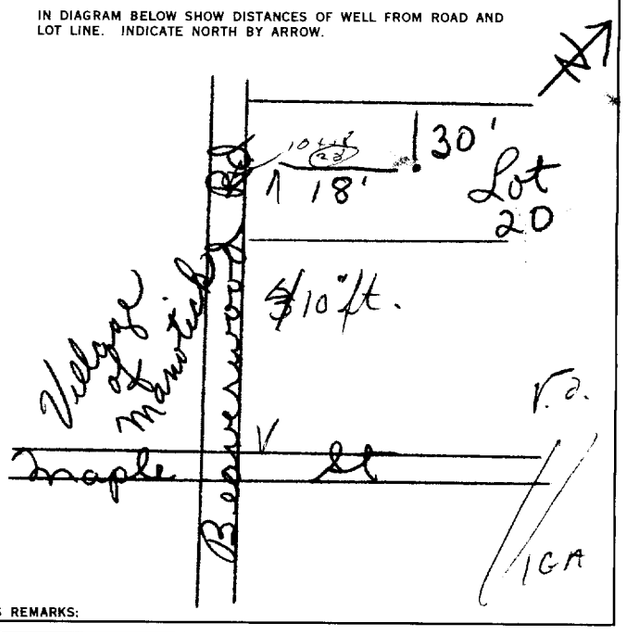
IF FLOWING, GIVE RATE: GPM. | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 070 FEET | RECOMMENDED PUMPING RATE: 0005 GPM.

50-53: 0002 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 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 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: Capital Water Supply | LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Dr Ottawa

NAME OF DRILLER OR BORER: B Bisson | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Walter Kavanagh | SUBMISSION DATE: DAY MO. YR.

OWRC COPY

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 1558 | DATE RECEIVED 201071

DATE OF INSPECTION | INSPECTOR km

REMARKS: P ☒ WI

The Ontario Water Resources Commission Act

WATER WELL RECORD

31G 4g'A'

Water management in Ontario

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

11 | 1511745 | MUNICIP. 15004 | CON. C O N A

COUNTY OR DISTRICT: Carleton

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: ~~Gloucester~~ NORTH GOWER

CON., BLOCK, TRACT, SURVEY, ETC.: 3 N GOWER

LOT: ~~10~~ 002

OWNER (SURNAME FIRST): [redacted]

ADDRESS: ~~11~~ MANOTICK Ont 21 "D" ST LAURENT BLVD

DATE COMPLETED: DAY 21 ~~April~~ MO. 04 YR. 72

RC. 9 | ELEVATION: ~~OTTAWA~~ 0323 | BASIN CODE: 26 75 17650

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

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

31 | 0017616021 | 0003661111 | 0108361165

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0081	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
05	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE		0	0036 ~~36~~
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	0010 GPM.	01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
-35 FEET	045 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	043 FEET	044 FEET	045 FEET	045 FEET

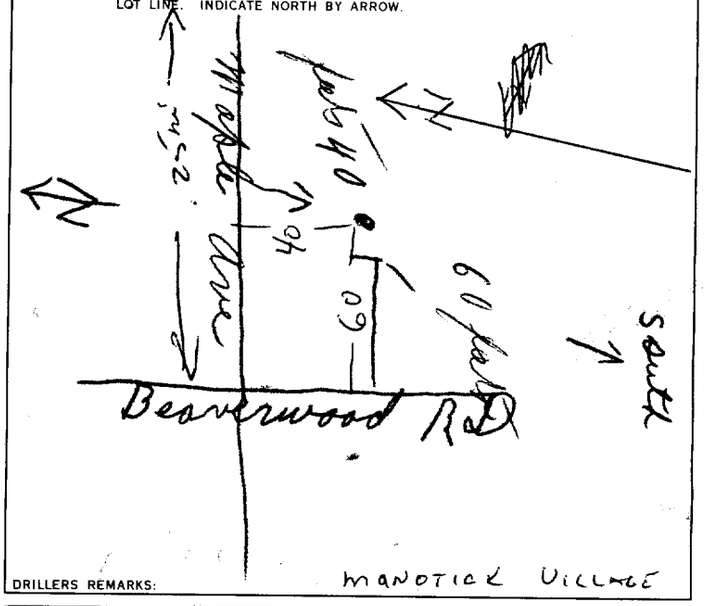
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
0010 GPM.	60 FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	060 FEET	0005 GPM.

0010.0 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: MANOTICK VILLAGE

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 01

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING ☐ OTHER 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: Maurice Cayen | LICENCE NUMBER: 1517

ADDRESS: Casselman Ont

NAME OF DRILLER OR BORER | LICENCE NUMBER

SIGNATURE OF CONTRACTOR: Maurice Cayen | SUBMISSION DATE: DAY 21 MO. April YR. 72

OWRC COPY

OFFICE USE ONLY

DATA SOURCE 58: 1 | CONTRACTOR 59-62: 1517 | DATE RECEIVED 63-68: 100572

DATE OF INSPECTION | INSPECTOR: K

REMARKS: PK WI

The Ontario Water Resources Commission Act

WATER WELL RECORD

3G 49

Water management in Ontario

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

11 | 1511819 | MUNICIP. 15004 | CON. CON A

COUNTY OR DISTRICT: Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: North Gower
CON., BLOCK, TRACT, SURVEY, ETC.: ~~Beaverbrook~~ Ll. A
LOT: ~~2~~ 002
OWNER (SURNAME FIRST): Tuttia Construction
ADDRESS: Richmond Ont.
DATE COMPLETED: DAY 17 MO ~~July~~ YR 72

21 | UTM ZONE 18 | EASTING 445915 | NORTHING 5007740 | 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	DEPTH – FEET TO
grey	clay	boulders		0	34
grey	limestone			34	84

31 | 00342057 13 | 00842 15

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
084	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
05	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	~~37~~ 0037
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0084
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

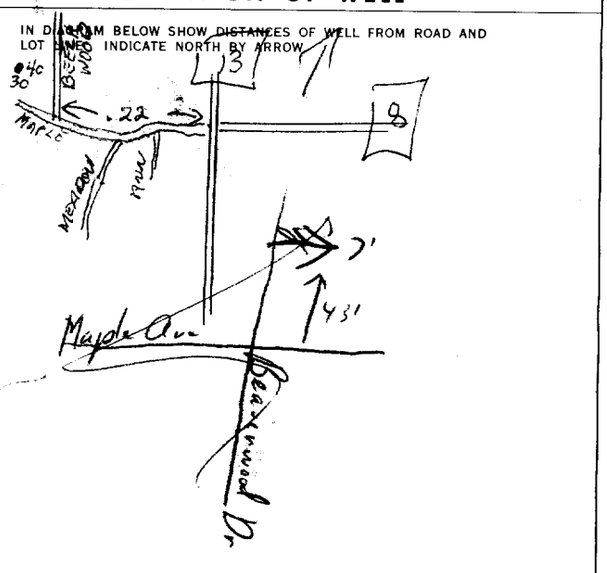
PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 0020 GPM.
DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☒ PUMPING 2 ☐ RECOVERY) 15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
021 FEET	050 FEET	042 FEET	050 FEET	050 FEET	050 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: 050 FEET
RECOMMENDED PUMPING RATE: 0010 GPM.
000.7 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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



DRILLERS REMARKS: Manotick

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 01

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING ☐ OTHER 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: George Whittaker — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Henry Mains — SUBMISSION DATE: DAY 20 MO July YR 72

OWRC COPY

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

31G4g A

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

11 | 1512263 | MUNICIP. 1 5 0 0 4 | CON. CON | A

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	North Gower	Maple ave. "A"	~~18~~ 002

OWNER (SURNAME FIRST) [redacted]

ADDRESS Manotick Ont

DATE COMPLETED DAY 09 MO. ~~Nov~~ YR 72

HING 09781/0 | RC. 9 | ELEVATION 03212 | 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	DEPTH – FEET TO
Grey	hard pan	stone		0	39
Grey	limestone			39	80

31 | 0003921/4/12 | 0003802/15

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0080	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
05 "	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	~~39~~ 0039
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE: 0010 GPM | DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
-20 FEET	040 FEET	025 FEET	030 FEET	035 FEET	040 FEET

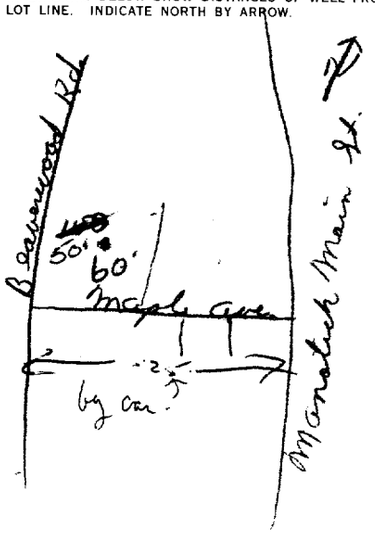
IF FLOWING, GIVE RATE: 0010 GPM. | PUMP INTAKE SET AT: 60 FEET | WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 060 FEET | RECOMMENDED PUMPING RATE: 0005 GPM.

50-53 0005 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: MAPLE Ave. Lot 18

FINAL STATUS OF WELL

54 | 1 ☒ WATER SUPPLY | 2 ☐ OBSERVATION WELL | 3 ☐ TEST HOLE | 4 ☐ RECHARGE WELL | 5 ☐ ABANDONED, INSUFFICIENT SUPPLY | 6 ☐ ABANDONED, POOR QUALITY | 7 ☐ UNFINISHED

WATER USE

55-56 | 01 | 1 ☒ DOMESTIC | 2 ☐ STOCK | 3 ☐ IRRIGATION | 4 ☐ INDUSTRIAL | ☐ OTHER | 5 ☐ COMMERCIAL | 6 ☐ MUNICIPAL | 7 ☐ PUBLIC SUPPLY | 8 ☐ COOLING OR AIR CONDITIONING | 9 ☐ NOT USED

METHOD OF DRILLING

57 | 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: Maurice Cayer | LICENCE NUMBER: 1517

ADDRESS: Casselman Ont.

NAME OF DRILLER OR BORER | LICENCE NUMBER

SIGNATURE OF CONTRACTOR: Maurice Cayer | SUBMISSION DATE: DAY ~~Dec~~ MO. YR. 72

OFFICE USE ONLY

DATA SOURCE 58: / | CONTRACTOR 59-62: 1517 | DATE RECEIVED 63-68: 110173 | 80

DATE OF INSPECTION | INSPECTOR: K.

REMARKS: P | WI

CSS-53

OWRC COPY

Ontario

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

31G/4g
County # 15

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

11 | 1514029 | MUNICIP 1500M | COR CON IN A

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
OTTAWA / CARLETON	N GOWER	CON "A"	002

[redacted] 750 COURTWOOD CRES. OTTAWA

DATE COMPLETED 48-53: DA 08 MO 03 YR 74

UTM 10 7693 24 | RC 25 | ELEVATION 0310 26 | RC 30 | BASIN CODE 26 31 | II | III | IV 47

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET 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 | 0008211115 | 0088215 | 0125118

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0085	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
0122	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0022
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		22	0125
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)

71 PUMPING TEST

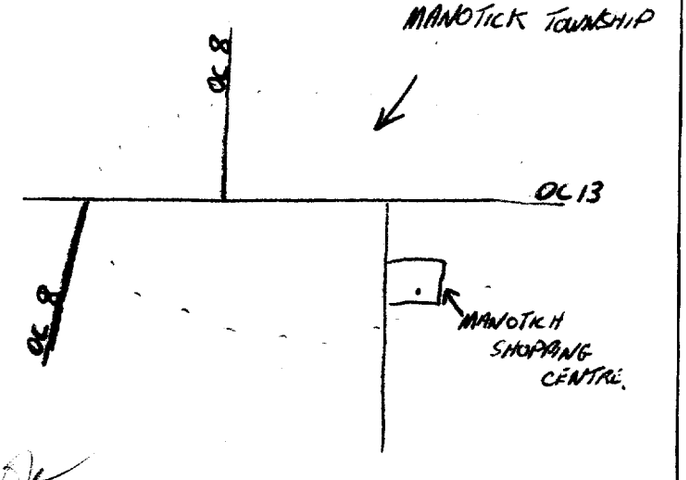
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 0030 GPM
DURATION OF PUMPING: 02 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
008 FEET	075 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	075 FEET	075 FEET	075 FEET	075 FEET

IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: 75 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 075 FEET
RECOMMENDED PUMP RATE: 0005 GPM
000.4

LOCATION OF WELL 4607

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



DRILLERS REMARKS:

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

WATER USE 55-56: 01 — 1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

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

CONTRACTOR

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

OFFICE USE ONLY

DATA SOURCE 58 | CONTRACTOR 59-62: 3658 | DATE RECEIVED 63-68: 270574 | 80
DATE OF INSPECTION | INSPECTOR: K
REMARKS:

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 07-091

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

Ontario

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

11 | 1514236 | MUNICIP. | CON.

COUNTY OR DISTRICT: Carleton

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Rideau

LOT: A

OWNER (SURNAME FIRST): [redacted]

ADDRESS: Box 178 Manotick, Ontario

DATE COMPLETED: DAY 19 MO 7 YR 74

21 | UTM ZONE | EASTING | NORTHING | RC | ELEVATION | RC | BASIN CODE

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	56
black	limestone		medium	[illegible]	135
white	sandstone		hard	135	180

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
178	1 [X] FRESH 3 [ ] SULPHUR; 2 [ ] SALTY 4 [ ] MINERAL
	1 [ ] FRESH 3 [ ] SULPHUR; 2 [ ] SALTY 4 [ ] MINERAL
	1 [ ] FRESH 3 [ ] SULPHUR; 2 [ ] SALTY 4 [ ] MINERAL
	1 [ ] FRESH 3 [ ] SULPHUR; 2 [ ] SALTY 4 [ ] MINERAL
	1 [ ] FRESH 3 [ ] SULPHUR; 2 [ ] SALTY 4 [ ] MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
6¼	1 [X] STEEL; 2 [ ] GALVANIZED; 3 [ ] CONCRETE; 4 [X] OPEN HOLE	188	0	60
5¼			60	180
	1 [ ] STEEL; 2 [ ] GALVANIZED; 3 [ ] CONCRETE; 4 [ ] OPEN HOLE			
	1 [ ] STEEL; 2 [ ] GALVANIZED; 3 [ ] CONCRETE; 4 [ ] OPEN HOLE			

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 FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

PUMPING TEST

71

PUMPING TEST METHOD: 1 [X] PUMP 2 [ ] BAILER

PUMPING RATE: 20 GPM

DURATION OF PUMPING: 1 HOURS ____ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 [X] PUMPING 2 [ ] RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
20 FEET	50 FEET	50 FEET	50 FEET	50 FEET	50 FEET

IF FLOWING, GIVE RATE: ____ GPM

PUMP INTAKE SET AT: ____ FEET

WATER AT END OF TEST: 1 [X] CLEAR 2 [ ] CLOUDY

RECOMMENDED PUMP TYPE: [ ] SHALLOW [X] DEEP

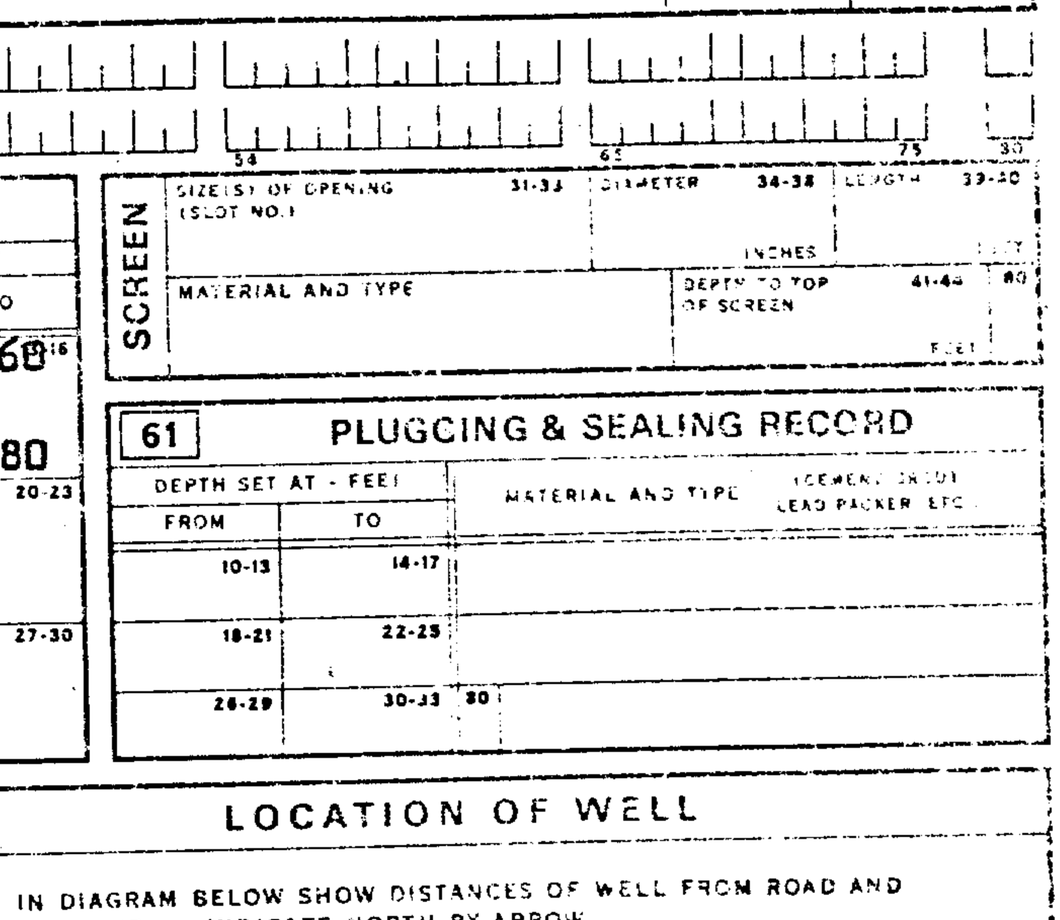
RECOMMENDED PUMP SETTING: 65 FEET

RECOMMENDED PUMPING RATE: 5 GPM

____ 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 [X] WATER SUPPLY; 2 [ ] OBSERVATION WELL; 3 [ ] TEST HOLE; 4 [ ] RECHARGE WELL; 5 [ ] ABANDONED, INSUFFICIENT SUPPLY; 6 [ ] ABANDONED POOR QUALITY; 7 [ ] UNFINISHED

WATER USE

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

METHOD OF DRILLING

1 [ ] CABLE TOOL; 2 [ ] ROTARY (CONVENTIONAL); 3 [ ] POTARY (REVERSE); 4 [X] ROTARY (AIR); 5 [X] 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: M. Hamilton | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [signature] | SUBMISSION DATE: DAY 22 MO 7 YR 74

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR | DATE RECEIVED 220874

DATE OF INSPECTION | INSPECTOR

REMARKS: P WI

FORM

MINISTRY OF THE ENVIRONMENT COPY

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

31G/4

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

11 | 1514236 | MUNICIP. 15004 | CON. CON A

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

[redacted] | DATE COMPLETED: DAY 19 MO 07 YR 74

[redacted] x 178 Manotick, Ontario

HING	RC.	ELEVATION	RC.	BASIN CODE	II	III	IV
5008022	4	300	5	26	MAR 02, 1977		249

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

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

31: 0020628 13 | 0058214 13 | 0135815 | 0180118

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0178	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
~~6~~ 06 ~~5~~	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE ~~4 ☒ OPEN HOLE~~	188	0	~~00~~ 68
			~~60~~	~~180~~
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0180
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	00 20 GPM	0 1 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
020 FEET	050 FEET	050 FEET	050 FEET	050 FEET	050 FEET

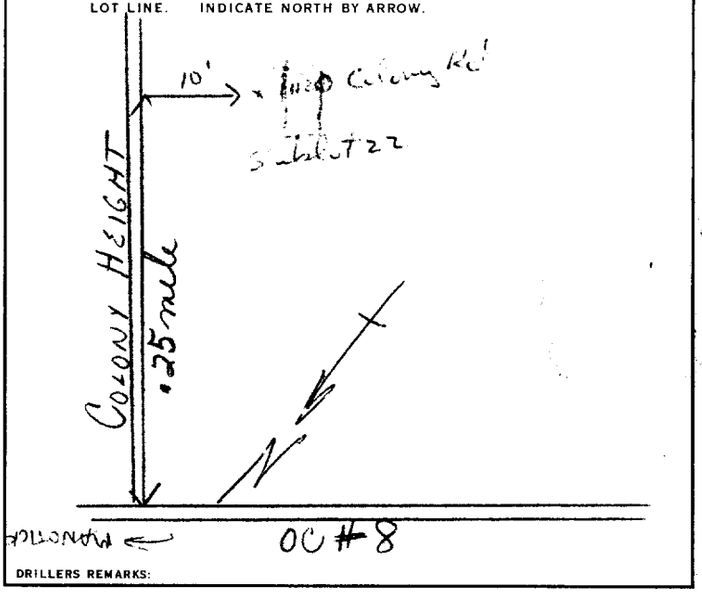
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	065 FEET	0005 GPM

0015 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL 4508

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



DRILLERS REMARKS:

FINAL STATUS OF WELL 1	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED
WATER USE 01	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF DRILLING 4	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: M. Hamilton | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR | SUBMISSION DATE: DAY 22 MO. 7 YR. 74

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 1558 | DATE RECEIVED 220874

DATE OF INSPECTION 23 07 76 | INSPECTOR F/K D.J

REMARKS:

P ✓

WI

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FORM 7 07-091

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

Ontario

3164

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

11 — 1515411 — MUNICIP. 15004 — CON. CON A

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

OWNER (SURNAME FIRST) [redacted]

ADDRESS anotick, Ontario K0A 2N0

DATE COMPLETED: DAY 18 MO 06 YR 76

UTM/FOOTHING 0007850 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	DEPTH - FEET TO
brown	clay	sand & boulders	packed	0	7
grey	hardpan	boulders	packed	7	40
grey	limestone		medium	40	148

31 — 0007605281 3 0040214 1379 0148215

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0120	1 ☐ FRESH 2 ☒ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0142	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. - INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0044
5¾	4 ☒ OPEN HOLE		44	148
06	4 ☒ OPEN HOLE			0148
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	0020 GPM	01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
035 FEET	050 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	050 FEET	050 FEET	050 FEET	050 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

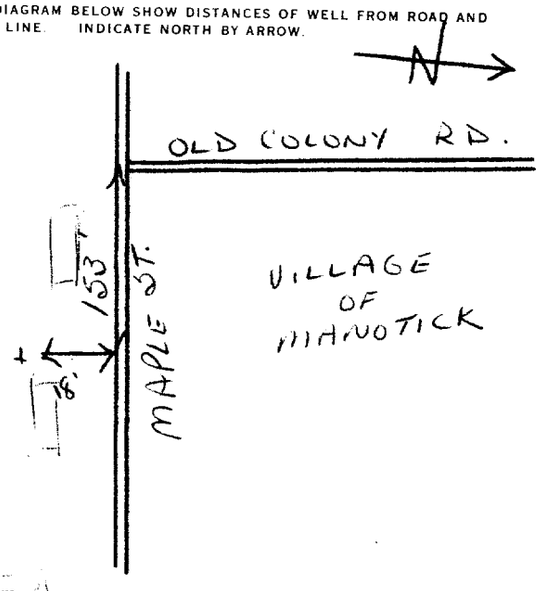
RECOMMENDED PUMP SETTING 070 FEET

RECOMMENDED PUMPING RATE 0005 GPM

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

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

WATER USE: 02

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

METHOD OF DRILLING: 5

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 430 Stittsville, Ontario

NAME OF DRILLER OR BORER: W. Kaiser — LICENCE NUMBER: [illegible]

SIGNATURE OF CONTRACTOR: [signature] — SUBMISSION DATE: DAY 21 MO. 6 YR. 76

JKWO 8-9

OFFICE USE ONLY

DATA SOURCE 1 — CONTRACTOR 1558 — DATE RECEIVED 080776

DATE OF INSPECTION 31 Aug 76 — INSPECTOR M P/R Dept

REMARKS:

P

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FORM 7 MOE 07-091

Ontario

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

31 G/4

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

11 — 1515427 — MUNICIP. 1500H — CON. CON — A

COUNTY OR DISTRICT: Carleton

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Rideau Manotick N. GOWER

CON., BLOCK, TRACT, SURVEY, ETC.: Con A — 002

OWNER (SURNAME FIRST): [redacted]

ADDRESS: Manotick Box 123

DATE COMPLETED: DAY 09 MO 02 YR 76

007700 — RC 5 — ELEVATION 0300 — RC 5 — BASIN CODE 20

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
grey	clay	gravel		0	3½
grey	limestone			3½	54

31 — 0004205 1/1 — 0054215

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0050	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	025
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 0010 GPM — DURATION OF PUMPING: 01 HOURS 00 MINS

WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
008 FEET	030 FEET	030 FEET	030 FEET	030 FEET	030 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

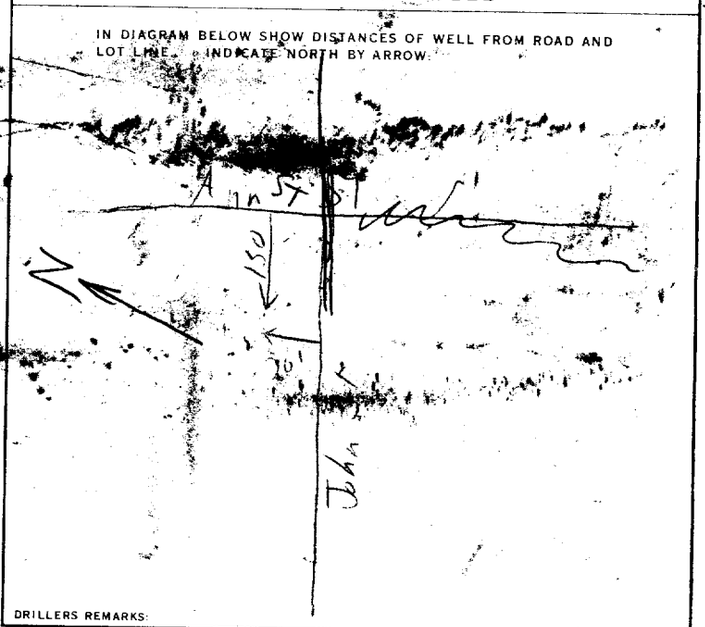
RECOMMENDED PUMP SETTING: 030 FEET

RECOMMENDED PUMPING RATE: 0010 GPM

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

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

WATER USE: 01

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

METHOD OF DRILLING: 5

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: Kenny [redacted] Well Drilling — LICENCE NUMBER: 3644

ADDRESS: Box 320 Richmond Ont

NAME OF DRILLER OR BORER: [redacted] — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [redacted]

SUBMISSION DATE: DAY 8 MO. 2 YR 76

3WO 2-9

OFFICE USE ONLY

DATA SOURCE: 1 — CONTRACTOR: 3644 — DATE RECEIVED: 080776

DATE OF INSPECTION: 31 Aug 76 — INSPECTOR: [redacted] P/R Dept

REMARKS:

P

WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

Ontario

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

11 | 1516267 | MUNICIP. 15004 | CON. CON A | LOT 002

COUNTY OR DISTRICT: Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Rideau (North Gower)
CON., BLOCK, TRACT, SURVEY, ETC.: A
OWNER: [redacted]
ADDRESS: 46 Beaverwood Manotick, Ontario
DATE COMPLETED: DAY 15 MO 10 YR 77
ELEVATION: 007950 5 | ELEVATION RELIABILITY: 0325 5 | BASIN CODE: 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

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

31 | 0001728 | 0033614431 | 0073815
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
00 70	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH FEET FROM	DEPTH FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0036
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		36	0073
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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

71 PUMPING TEST

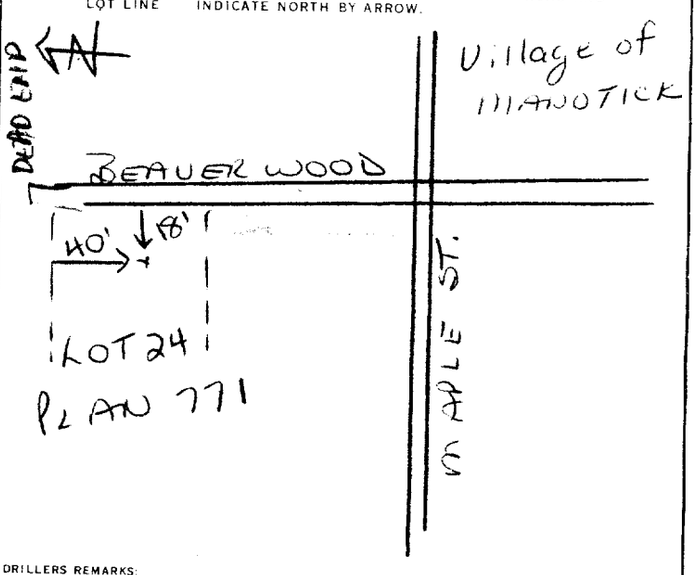
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 0010 GPM | DURATION OF PUMPING: 01 HOURS 00 MINS
1 ☒ PUMPING 2 ☐ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
030 FEET	060 FEET		060 FEET	060 FEET	060 FEET	060 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: 060 FEET
RECOMMENDED PUMPING RATE: 0005 GPM
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

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

WATER USE: 01

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

METHOD OF DRILLING: 5

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 | LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Walter Kavanagh | SUBMISSION DATE: DAY 19 MO 10 YR 77

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 1558 | DATE RECEIVED 171177
DATE OF INSPECTION: JUNE 7/78 | INSPECTOR: DN
REMARKS: LAST HOUSE ON LEFT BROWN BRICK - BROWN ROOF NOT PLOTTED ON MASTER MAP
P ✓
WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

Ministry of the Environment

Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 | 1516364 | MUNICIP 15004 | CON CON A

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

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

UTM ZONE 18 | EASTING 446260 | NORTHING 5007900 | ELEVATION S 0295 | BC S | BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

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

DRW 8.

31: 0025 1113 0120 15

32:

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0095	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
0120	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0031 ~~31~~
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE GPM	DURATION OF PUMPING HOURS / MINS
1 ☒ PUMP 2 ☐ BAILER	0010	00 / 30

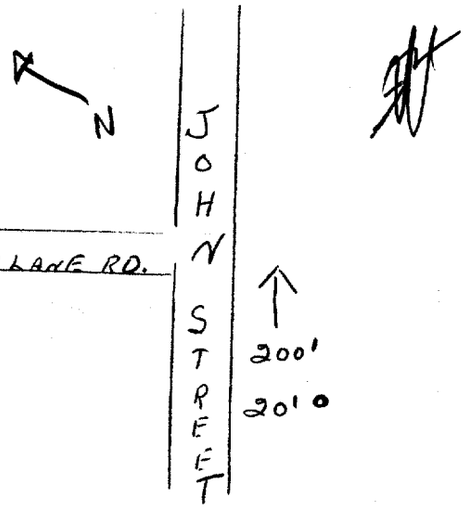
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
025 ~~25~~ FEET	115 FEET	FEET	025 FEET	025 FEET	025 FEET	025 FEET

IF FLOWING, GIVE RATE GPM	PUMP INTAKE SET AT FEET	WATER AT END OF TEST 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING FEET	RECOMMENDED PUMPING RATE GPM
☐ SHALLOW ☒ DEEP	050	0010

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

WATER USE 06
1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☒ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 4
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: ~~McLean~~ Water Supply Ltd. LICENCE NUMBER: 3504
ADDRESS: 1532 Raven Ave. Ottawa, Ont.
NAME OF DRILLER OR BORER: A. Scharf LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: A. L. Scharf SUBMISSION DATE: DAY 10 MO 10 YR 77

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 3504 | DATE RECEIVED ~~7~~ 80178
DATE OF INSPECTION: JUNE 7/78 | INSPECTOR: DN
REMARKS: O.P.P. STATION

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77

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

1516469 MUNICIP. 15004 CON. CON A

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
OTTAWA CARLETON	~~RIDEAU~~ North Gower	A	002

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
LEIMERK FARMS LTD.	MANOTICK ONTARIO	DAY 20 MO 02 YR. 78

UTM ZONE 18 EASTING 446120 NORTHING 5007820 RC 4 ELEVATION 0290 BC 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	SAND	CLAY	PACKED	0	13½'
GREY	LIMESTONE			13½'	91'
WHITE	SANDSTONE			91	128'

31 00146280579 00911215 01231 18

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
C046	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY #5 4 ☐ MINERAL
0122	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY #5 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0022
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		22	0123
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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

71 PUMPING TEST

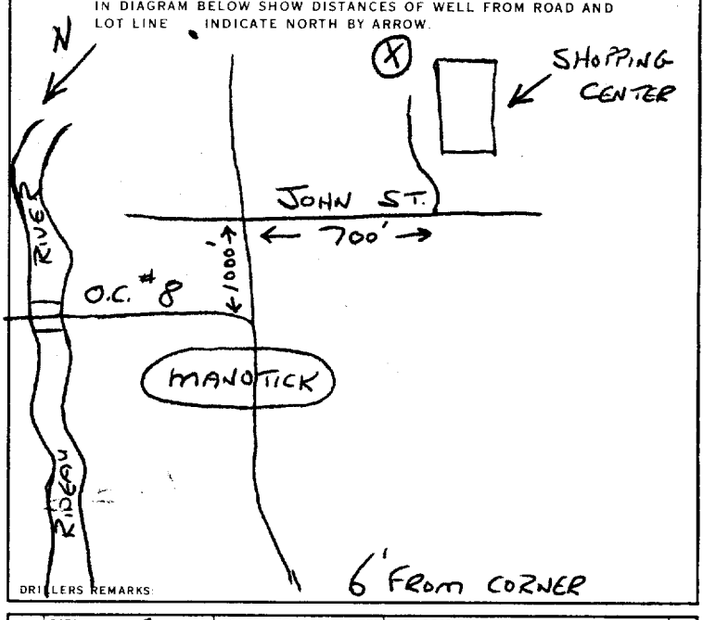
PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	0035 GPM	02 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
008 FEET	118 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	118 FEET	118 FEET	118 FEET	118 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY	☐ SHALLOW ☒ DEEP	118 FEET	0035 GPM

LOCATION OF WELL

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



DRILLERS REMARKS: 6' FROM CORNER

FINAL STATUS OF WELL	WATER USE	METHOD OF DRILLING
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED	1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☒ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED	1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING
1	05	5

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
MAPLE LEAF DRILLING CO. LTD.	1365

ADDRESS	
877 RIDLEY BLVD. OTTAWA	

NAME OF DRILLER OR BORER	LICENCE NUMBER
SIMON SKYSE	

SIGNATURE OF CONTRACTOR	SUBMISSION DATE
Robert Brisson	DAY 21 MO. 2 YR. 78

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	1365	080678

DATE OF INSPECTION	INSPECTOR
1/6/79	J.P.P.

REMARKS:

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77

Ministry of the Environment
Ontario

The Ontario Water Resources Act 31649

WATER WELL RECORD

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

11 1517078 MUNICIP. 15004 CON. CON. A LOT 002

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

[redacted] Cleopatra Drive, Nepean, Ontario K2G0B6

DATE COMPLETED: DAY 22 MO 06 YR 79

UTM NORTHING 007899 RC 4 ELEVATION 0310 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	DEPTH - FEET TO
Brown	Hardpan	Stones		0	3
Gray	Limestone			3	50

31 00036141 2 00502 15

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
00 45	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	00 22
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		22	00 50
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

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: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
010 FEET	025 FEET		025 FEET	025 FEET	025 FEET	025 FEET

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: FEET

WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

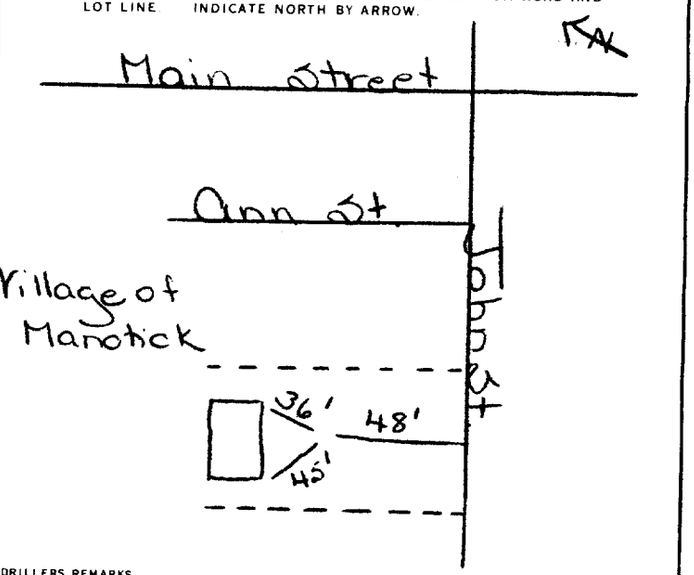
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 040 FEET

RECOMMENDED PUMPING RATE: 0005 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL 1	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED
WATER USE 01	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF DRILLING 5	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 K0A 3G0

NAME OF DRILLER OR BORER: S. Miller LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: W. Kawana

SUBMISSION DATE: DAY 25 MO 06 YR 79

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 1558 | DATE RECEIVED 130879

DATE OF INSPECTION | INSPECTOR K

REMARKS

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FORM NO. 0506—4—77

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

31649

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

11 1517732 MUNICIP. 15004 CON. CON A

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Ottawa-Carleton	Rideau North Gower	A	002 2

[redacted] c/o Rideau Twp., MNorth Gower, Ont. DATE COMPLETED DAY 25 MO 09 YR 81

UTM NORTHING 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	DEPTH - FEET TO
Brown	Clay			0	15
Gray	Clay			15	25
Gray	Limestone			25	95
Gray	Sandstone			95	135

31 00156 05 00252 05 00952 15 01352 18

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0070'	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0134'	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06 6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	~~33'8"~~ 0034
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		33'8"	0135
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	0075 GPM	01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☒ PUMPING 2 ☐ RECOVERY) 15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
020 FEET	050 FEET	050 FEET	050 FEET	050 FEET	050 FEET

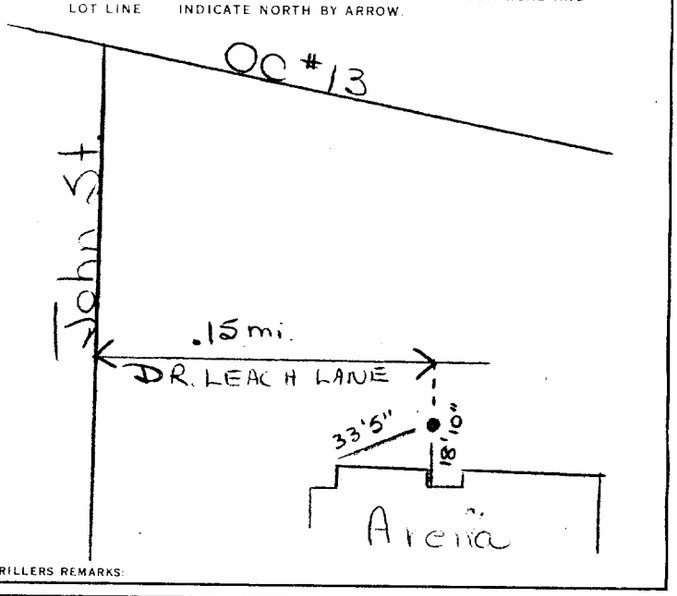
IF FLOWING GIVE RATE GPM | PUMP INTAKE SET AT FEET | WATER AT END OF TEST 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING 100 FEET | RECOMMENDED PUMPING RATE 0005 GPM

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

WATER USE 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 5
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 K0A 3G0
NAME OF DRILLER OR BORER: S. Miller | LICENCE NUMBER:
SIGNATURE OF CONTRACTOR | SUBMISSION DATE DAY 28 MO 09 YR 81

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 1558 | DATE RECEIVED 03 03 82
DATE OF INSPECTION | INSPECTOR
REMARKS: P WI CSS: ES

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-09

31G4q

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 1517735 MUNICIP 1500H CON. CON A

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON	BLOCK, TRACT, SURVEY, ETC	
Ottawa-Carleton	Rideau - North Gower	A		002 2

[redacted] o Rideau Twp., North Gower, Ont.

DATE COMPLETED DAY 14 MO 10 YR 81

UTM 007899 RC 4 ELEVATION 0300 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	DEPTH - FEET TO
Gray	Sandstone	White Layers		100	140
		0 - 100' drilled previously			

31 01100 24 01402 18 74

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0138'	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		100	0140
5 13 16				
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 0075 GPM

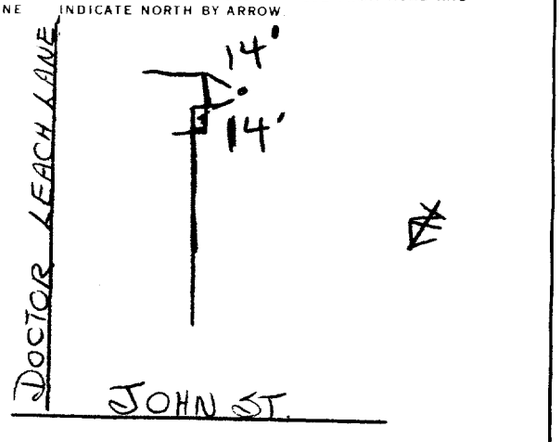
DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
020 FEET	025 FEET	025 FEET	025 FEET	025 FEET	025 FEET

IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
GPM	25 FEET	1 ☒ CLEAR 2 ☐ CLOUDY	☐ SHALLOW ☒ DEEP	060 FEET	000 5 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
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 05
1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☒ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
ARENA

METHOD OF DRILLING 5
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, Ont. K0A 3G0

NAME OF DRILLER OR BORER: S. Miller LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: W. Kavanagh 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

cc: file

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FORM NO. 0506—4—77 FORM 7

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) 1517944 MUNICIP 1504 CON CON A

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
Ottawa-Carleton	Rideau - North Gower	Conc. A	002 N/L-2

[redacted] Beaverwood Rd., Manotick, Ontario — DATE COMPLETED: DAY 27 MO 05 YR 82

UTM ZONE 18 — EASTING 0078997 RC 4 — NORTHING 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	DEPTH - FEET TO
Brown	Clay	Boulders	Hard Packed	0	16
Gray	Hardpan	Gravel & Boulders	Hard Packed	16	38
Gray	Limestone		Very Hard	38	52

(31) 0016605 1373 0038214 11 13 0052 21590 73

(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0050	1 ☒ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0039
6 1/4	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE		39	0052
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

(71) PUMPING TEST

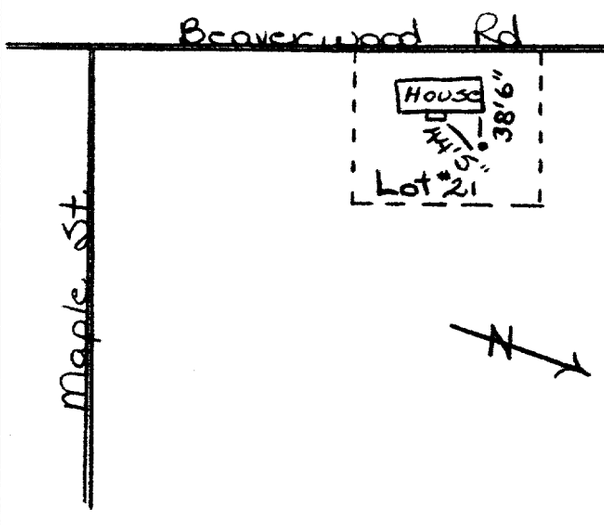
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 0010 GPM
DURATION OF PUMPING: 03 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
027 FEET	032 FEET	032 FEET	032 FEET	032 FEET	032 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: 040 FEET
RECOMMENDED PUMPING RATE: 0005 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

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

WATER USE (55-56) 01: 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF DRILLING (57) 1: 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, Ont. KOA 3GO
NAME OF DRILLER OR BORER: J. Moore — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: [signature] — SUBMISSION DATE: DAY 01 MO 06 YR 82

OFFICE USE ONLY

DATA SOURCE (58): 1 — CONTRACTOR (59-62): 1558 — DATE RECEIVED (63-68): 05 10 82
DATE OF INSPECTION — INSPECTOR
REMARKS:

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FORM NO. 0506—4—77 FORM 7

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 1518928 MUNICIP 1500 4 CON. CON A

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

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Aselford-Martin Ltd.	1725 Woodward Dr.; Ottawa, Ont. K2C OR4	DAY 21 MO 03 YR 84

21 | ZONE 18 | EASTING 446099 | NORTHING 5007899 | RC 4 | ELEVATION 0310 | 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	DEPTH - FEET 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 0014605 77 | 0023305 85 | 0041305 385 | 0051228 311 | 0075215 78

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0069'	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0072'	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06 ~~6¼~~	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0053
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		53	0075
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	0015 GPM	01 HOURS 00 MINS

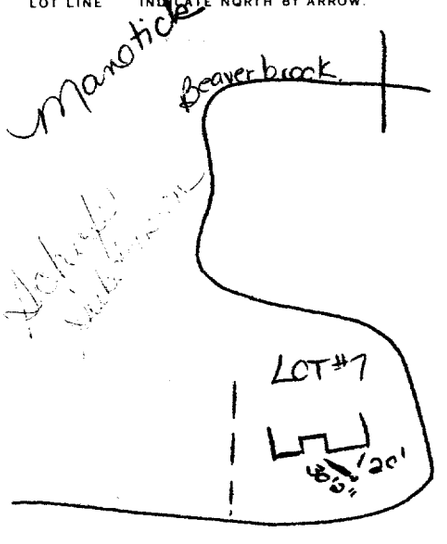
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
012 FEET	035 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	035 FEET	035 FEET	035 FEET	035 FEET

IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	050 FEET	0005 GPM

LOCATION OF WELL

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



DRILLERS REMARKS:

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

WATER USE 55-56: 01 — 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

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

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

ADDRESS: Box 490; Stittsville, Ontario. K0A 3G0

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

SIGNATURE OF CONTRACTOR: W. Kavanagh — SUBMISSION DATE: DAY 21 MO. 03 YR. 84

MINISTRY OF THE ENVIRONMENT COPY

OFFICE USE ONLY

DATA SOURCE 58: 1 — CONTRACTOR 59-62: 1558 — DATE RECEIVED 63-68: 020584

DATE OF INSPECTION: — INSPECTOR:

REMARKS:

CSS.ES

FORM NO. 0506—4—77 FORM 7

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 1519106 MUNICIP. 1,500,4 CON. CON A

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

[redacted]
1193; Manotick, Ontario. K0A 2N0

DATE COMPLETED: DAY 11 MO 06 YR 84

UTM 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	DEPTH - FEET 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 00096057 00166051379 00192051311 01002 1578

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0091'	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0097'	1 ☐ FRESH 2 ☒ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0022
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		22	0100
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 0010 GPM

DURATION OF PUMPING: 00 HOURS 30 MINS

WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
025 FEET	060 FEET	060 FEET	060 FEET	FEET	FEET

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: FEET

WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

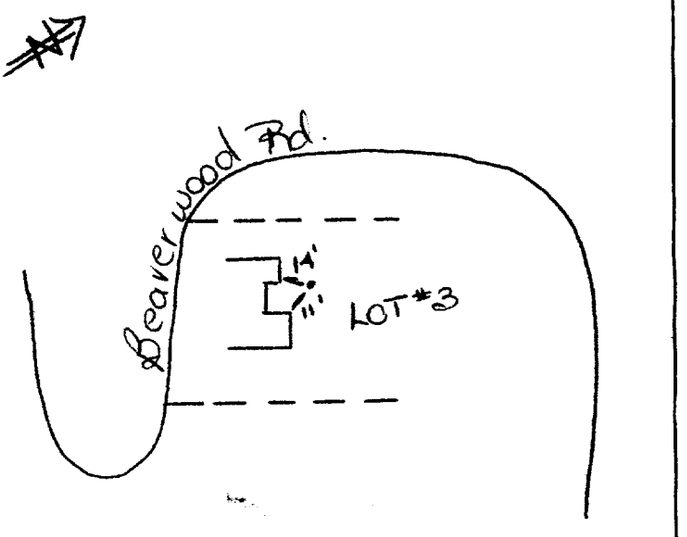
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 080 FEET

RECOMMENDED PUMPING RATE: 0005 GPM

3081 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
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 5
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, Ont. K0A 3G0

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

SIGNATURE OF CONTRACTOR: W. Kavanagh SUBMISSION DATE: DAY 12 MO. 06 YR. 84

MINISTRY OF THE ENVIRONMENT COPY

OFFICE USE ONLY

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

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS/ES

FORM NO. 0506—4—77 FORM 7

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 — 1519109 — MUNICIP 15004 — CON. CON A

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC	LOT
[redacted]	Rideau-North Gower	Conc. A	002

R. # 1; Frankford, Ontario. K0K 2C0

DATE COMPLETED: DAY 20 MO 07 YR 84

UTM 0,7,8,9,9 — 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	DEPTH - FEET TO
Brown	Clay		Packed	0	10
Gray	Hardpan	Gravel & Boulders	Packed	10	24
Gray	Limestone		Medium	24	50

31 — 0010 60 579 — 0024 214 1113 — 0050 215 78

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0035'	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0046'	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06 6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0032
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		32	0509
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 0010 GPM — DURATION OF PUMPING: 01 HOURS 00 MINS

WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
008 FEET	030 FEET	030 FEET	030 FEET	030 FEET	030 FEET

IF FLOWING, GIVE RATE: — GPM

PUMP INTAKE SET AT: — FEET

WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY

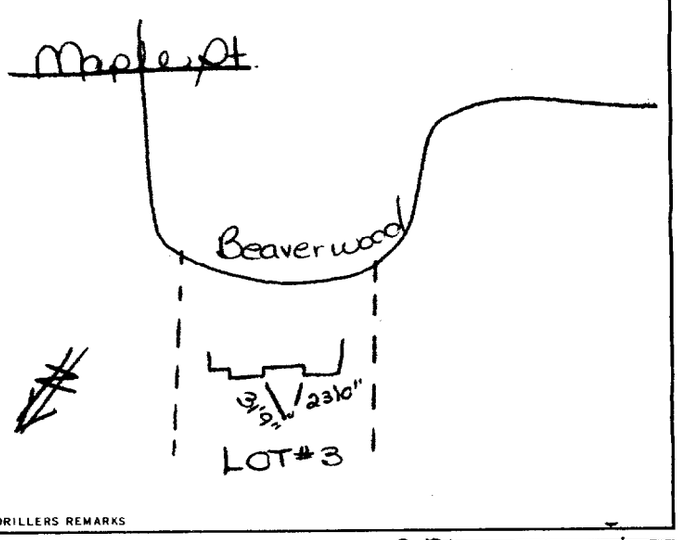
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 040 FEET

RECOMMENDED PUMPING RATE: 0005 GPM

3888 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 — 1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01 — 1 ☒ DOMESTIC 2 ☒ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 5 — 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

MINISTRY OF THE ENVIRONMENT COPY

OFFICE USE ONLY

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

DATE OF INSPECTION: — INSPECTOR:

REMARKS: CSS.ES

FORM NO. 0506—4—77 FORM 7

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
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Manotick
CON. BLOCK, TRACT, SURVEY, ETC.: Manotick Estates
LOT: 31
OWNER (SURNAME FIRST): Tensen Construction
ADDRESS: RR#2, Orford Station K0G 1T0
DATE COMPLETED: DAY 28 MO 9 YR 84

21

ZONE | EASTING | NORTHING | RC | ELEVATION | RC | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET 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 ☑ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6½	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	31
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☑ OPEN HOLE		31	44
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☑ PUMP 2 ☐ BAILER
PUMPING RATE: 50 GPM
DURATION OF PUMPING: 1 HOURS 0 MINS

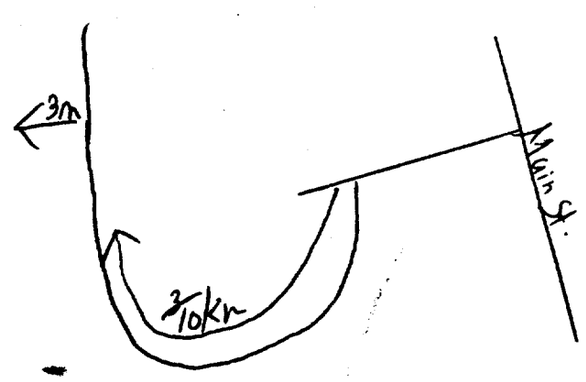
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
15 FEET	30 FEET	30 FEET	30 FEET	30 FEET	30 FEET

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

4919

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 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 ☐ OTHER 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 Maire Well Drilling
LICENCE NUMBER: 3644
ADDRESS: Box 326, Richmond Ont.
NAME OF DRILLER OR BORER:
LICENCE NUMBER:
SIGNATURE OF CONTRACTOR:
SUBMISSION DATE: DAY 29 MO 9 YR 84

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR | RECEIVED: 25 10 84
DATE OF INSPECTION | INSPECTOR
REMARKS

CSG, FS

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FORM NO. 0506—4—77 FORM 7

31649

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1519314

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11

MUNICIP 15004 CON. CON A

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON, BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Manotick	Manotick Estates A	31 002

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Tensen Construction	RR#2, Oxford Station K0G 1T0	DAY 28 MO 09 YR 84

21 — UTM ZONE 18 | EASTING 445999 | NORTHING 5007899 | 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	DEPTH - FEET TO
grey	clay			0	18
grey	hardpan	stones		18	29
grey	limestone			29	44

31 — 0018205 | 0029214112 | 0044215

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0039	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	31
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☑ OPEN HOLE		31	44
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☑ PUMP 2 ☐ BAILER	0050 GPM	0 / 00 HOURS / MINS

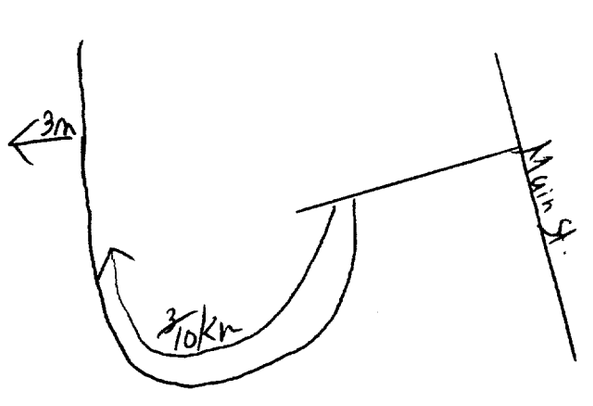
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
015 FEET	030 FEET	1 ☑ PUMPING 2 ☐ RECOVERY	030 FEET	030 FEET	030 FEET	030 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☐ CLEAR 2 ☑ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMP RATE
☑ SHALLOW ☐ DEEP	030 FEET	0010 GPM

4919 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
1 ☑ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01
1 ☑ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 5
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	LICENCE NUMBER
Henry Mains Well Drilling	3644

ADDRESS	NAME OF DRILLER OR BORER	LICENCE NUMBER
Box 326, Richmond Ont.	Henry Mains	

SIGNATURE OF CONTRACTOR	SUBMISSION DATE
	DAY 29 MO. 9 YR. 84

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	3644	25 10 84

DATE OF INSPECTION	INSPECTOR

REMARKS

CSS.ES

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FORM NO. 0506—4—77 FORM 7

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
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11 — 1519491

MUNICIP — CON.

COUNTY OR DISTRICT: Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Rideau (Manotick)
CON. BLOCK, TRACT, SURVEY, ETC.: Manotick Estates
LOT: 3

OWNER (SURNAME FIRST): Tensen Construction
ADDRESS: RR#2, Oxford Station K0G 1T0
DATE COMPLETED: DAY 8 MO 11 YR 84

21 — UTM — ZONE — EASTING — NORTHING — RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

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

71 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
145	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
160	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	39
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		39	165
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)

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: 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	80 FEET		80 FEET	80 FEET	80 FEET	80 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: 80 FEET
RECOMMENDED PUMPING RATE: 10 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

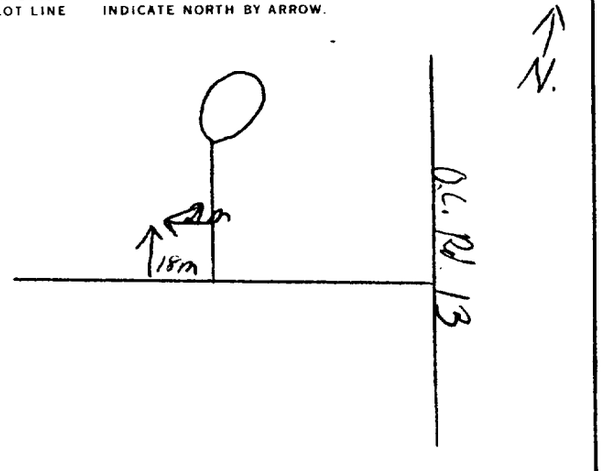
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

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

4883 LOCATION OF WELL

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



DRILLERS REMARKS

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

OFFICE USE ONLY — DATA SOURCE — CONTRACTOR — DATE RECEIVED 07 02 85 — DATE OF INSPECTION — INSPECTOR — REMARKS

CSS.FS

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31649

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

(11) 1519491 MUNICIP. 15004 CON. CON A

COUNTY OR DISTRICT: Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Rideau (Manotick)
CON. BLOCK, TRACT, SURVEY, ETC.: Manotick Estates 3
LOT: 002
OWNER (SURNAME FIRST): Jensen Construction Co.
ADDRESS: RR#2, Oxford Station K0G 1T0
DATE COMPLETED: DAY 08 MO 11 YR 84

(21) UTM ZONE: 18 EASTING: 445999 NORTHING: 5007899 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	DEPTH - FEET TO
grey	clay			0	18
grey	hardpan	stones		18	37
grey	limestone			37	140
white	sandstone			140	165

MOE VF-18

(31) 0018205 0037211405 07/02/15 01651118
(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0145	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0160	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06 ~~05~~	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0039
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		39	0165
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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 FROM	DEPTH SET AT - FEET TO	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	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	0015 GPM	01 HOURS 00 MINS

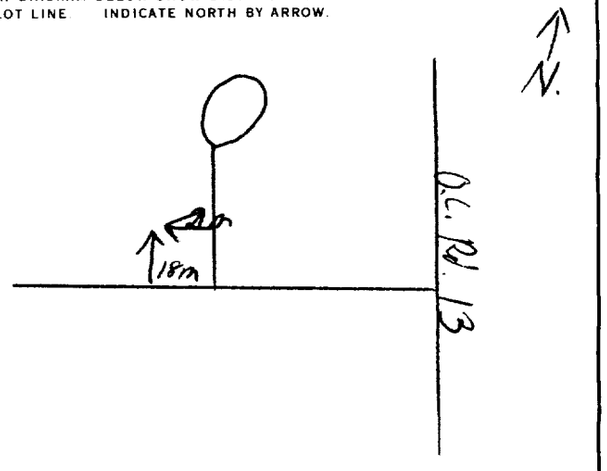
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☒ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
010 FEET	080 FEET		080 FEET	080 FEET	080 FEET	080 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	080 FEET	0010 GPM

4883 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
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 5
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: H. Mains — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR:
SUBMISSION DATE: DAY 10 MO. 11 YR. 84

OFFICE USE ONLY

DATA SOURCE 1 — CONTRACTOR 3644 — DATE RECEIVED 07 02 85
DATE OF INSPECTION — INSPECTOR
REMARKS
CSS, GS

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FORM NO. 0506—4—77 FORM 7

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

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) .

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)

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

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

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) .

Go Back to Map ()

Well ID

Well ID Number: 7355047
Well Audit Number: *C39106*
Well Tag Number: *A233209*
This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	

Township	NORTH GOWER TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 446225.00 Northing: 5008240.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

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

Method of Construction & Well Use

Method of Construction	Well Use

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7543

Results of Well Yield Testing

After test of well yield, water was	
If pumping discontinued, give reason	
Pump intake set at	

Pumping Rate	
Duration of Pumping	
Final water level	
If flowing give rate	
Recommended pump depth	
Recommended pump rate	
Well Production	
Disinfected?	

Draw Down & Recovery

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

40	40
45	45
50	50
60	60

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: C39106

Date Well Completed: November 01, 2017

Date Well Record Received by MOE: November 17, 2017

Related

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

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

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

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) .

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 From	Depth To	Diameter

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)

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

Ontario — Ministry of the Environment

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☐ Imperial

W A108238 (Print Below) A108238

Page 1 of 2

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
1441624	Ontario Inc		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
5562 Manotick Main Street	Manotic	Ontario	K4M1A6	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
5562 Manotick Main Street	North Gower	Pt 62	A

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Manotick	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	446348	5008057	N Gower Plan 18	

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	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
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	½ bag

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☐ Air percussion ☐ Other, specify hollow stem

Well Use

☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☑ Test Hole ☐ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
5.2	plastic	0.4	0	1.5

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
1.45	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	4.07	22

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

Site plan and area map are enclosed

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
OGS Inc	6964

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
5518 Appleton Side Road	Almonte	Ontario	K0A1A0	ogsinc@bell.net.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6132567666	Ohlmann Brian	2593	Brian Ohlmann	2011 06 27

Well owner's information package delivered ☐ Yes ☐ No

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

Date Work Completed: 2011 04 14

Ministry Use Only

Audit No. z127823

Received JUL 12 2011

Ministry's Copy

Ontario Ministry of the Environment

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	Last Name	Mailing Address (Street No./Name, RR)	Municipality
1441624	Ontario Inc	5562 Manotick Main St	Manotick

Province	Postal Code	E-mail Address	Telephone No. (inc. area code)
Ontario	K4M1A6		

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)	Lot	Concession	Township	County/District/Municipality
5562 Manotick Main Street	Pt 62	A	North Gower	Ottawa Carleton

City/Town/Village	Province	Postal Code	GPS Unit Make	Model	Unit Mode of Operation
Manotick	Ontario	K4M1A6	Magellan		☑ Undifferentiated ☐ Averaged ☐ Differentiated, specify:

Well # on Sketch	UTM Coordinates Zone	Easting	Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres) From	To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
BH11-1	18	446370	5008073	4.88	22	H.S. Auger	plastic	1.5	1.5	3.9		1.45			2011/04/14
BH11-2	18	446348	5008057	4.07	"	"	"	1.5	1.5	3.6		1.45			"

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
OGS Inc	5518 Appleton Side Road	Almonte	Ontario

Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address
K0A1A0	6132566766	6964	ogsinc@bell.net.ca

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician
Brian Ohlmann	2593	2011/06/27	Brian Ohlmann

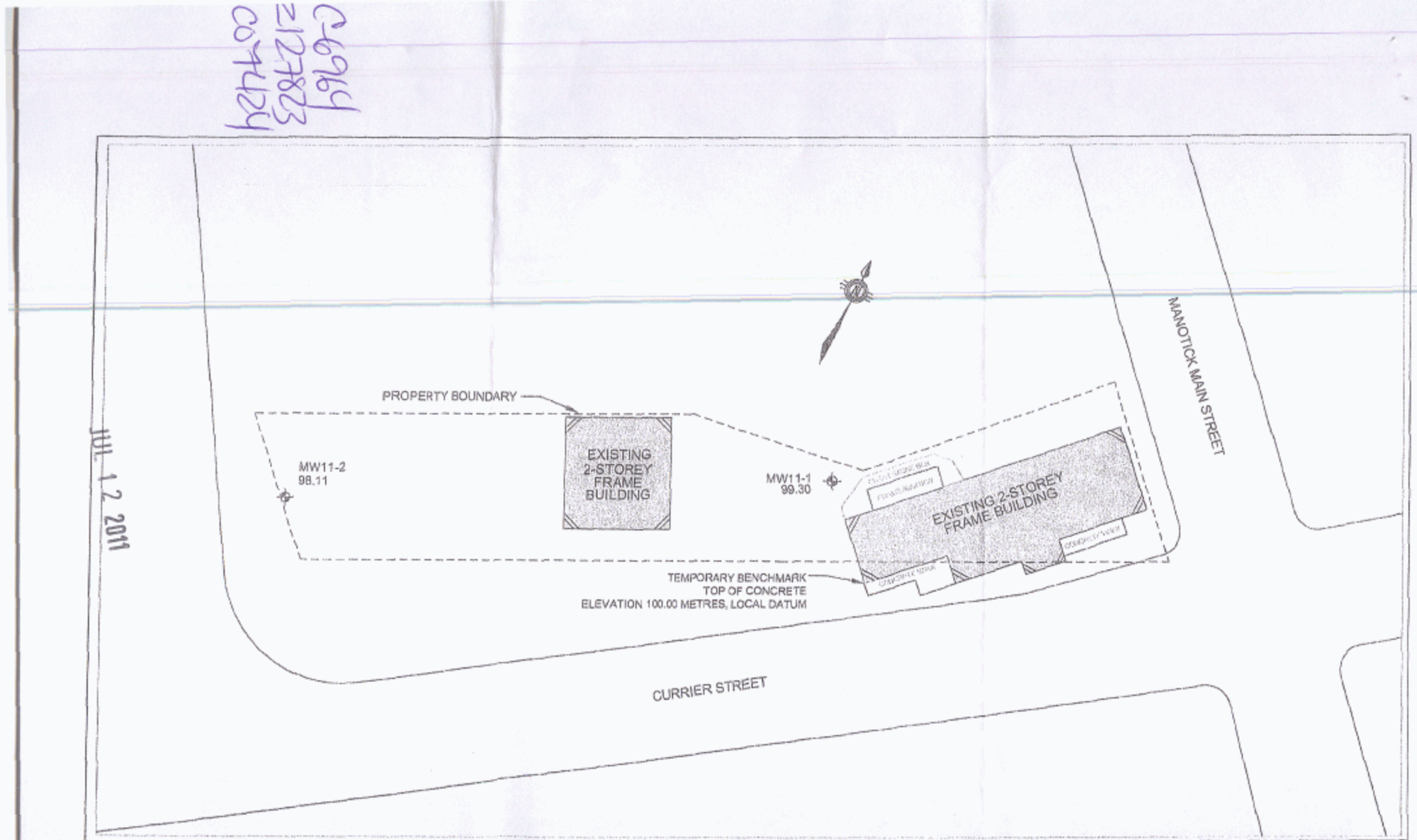
Date 1st Well in Cluster Constructed (yyyy/mm/dd)	Date Last Well in Cluster Constructed (yyyy/mm/dd)
2011/04/14	2011/04/14

Ministry Use Only

Date Received (yyyy/mm/dd)	Date Inspected (yyyy/mm/dd)
JUL 12 2011	
Audit No. C07424	Remarks 2127823

1991 (11/2006)

Ministry's Copy



JUL 12 2011

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: 5582 MANOTICK MAIN STREET OTTAWA, ON.	Revision: 0
Drawn by: M.J.L.	Approved by: A.F.C.	Project No.: 11-085	Approx. Scale: 1:200
Houle Chevrier Engineering		Title: SITE PLAN	
		Date: MAY 2011	FIGURE 2

Ottawa

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

SCALE 1 : 4,537

100 0 100 200 300

METERS

C-6964
2127823
C07429

JUL 12 2011

Ontario

Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A241619 BH 2

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

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

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

Well Location

Address of Well Location (Street Number/Name)	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	Other
NAD 83	18	446208	5008252		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
black	Topsoil			0"	6"
brown	Clay	Fine sand	Dense	6"	8'
grey	Limestone		Porous, Hard	8'	17'3"

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)
3"	6'3"	Bentonite 3/8 chips	0.2 ft^3
6'3"	17'3"	Silica Sand #3	0.5 ft^3
0"	3"	Flushmount Cflushed into bentonite topped/cwith topsoil+sod.	

Method of Construction

☐ Cable Tool ☑ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☑ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
1.25"	Plastic	0.140"	3"	7'3"

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Other, specify
☐ Gas	☐ Fresh ☑ Untested	
Water found at Depth (m/ft) ☐ Gas	☐ Fresh ☐ Untested	Other, specify
Water found at Depth (m/ft) ☐ Gas	☐ Fresh ☐ Untested	Other, specify

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0'	8'	3"
8'	17'3"	2.25"

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

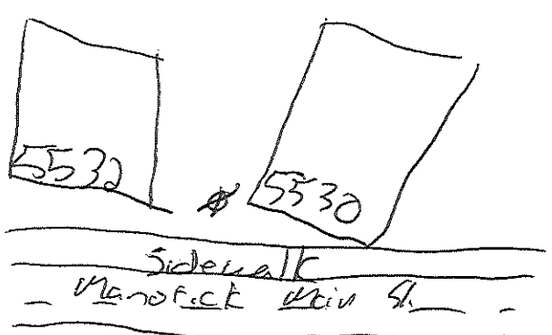
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
CC Drilling	7543

Business Address (Street Number/Name)	Municipality
48-627 Edinburgh Place	Ottawa

Province	Postal Code	Business E-mail Address
ON	K1B5M1	mueller@ccdrilling.com

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 737 5227	Chad Eichler

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
5299	Chad	2018/04/04

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☑ No		

Ministry Use Only

Audit No. Z279436

Received MAY 25 2018

Ontario

Ministry of the Environment, Conservation and Parks

Measurements recorded in: ☐ Metric ☐ Imperial

Well Tag No. (Place Sticker and Stub Below)

Tag#:A277268

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

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: K4M1C7
UTM Coordinates NAD 83 Zone: 18 Easting: 0445824 Northing: 5008115	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 acordince		
	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 (m^3/ft^3)
		N/A	

Method of Construction

☐ Cable Tool ☐ Rotary (Conventional) ☐ Rotary (Reverse) ☐ Boring ☐ Air percussion ☐ Other, *specify* _____

☐ Diamond ☐ Jetting ☐ Driving ☐ Digging

Well Use

☐ Public ☐ Domestic ☐ Livestock ☐ Irrigation ☐ Industrial ☐ Other, *specify* _____

☐ Commercial ☐ Municipal ☐ Test Hole ☐ Cooling & Air Conditioning

☐ Not used ☐ Dewatering ☐ Monitoring

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Hole Diameter Depth From (m/ft)	Hole Diameter Depth To (m/ft)	Diameter (cm/in)
	☐	☐ Fresh ☑ Untested ☐ Other, *specify*			
	☐	☐ Fresh ☐ Untested ☐ Other, *specify*	6"	6"	
	☐	☐ Fresh ☐ Untested ☐ Other, *specify*			

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

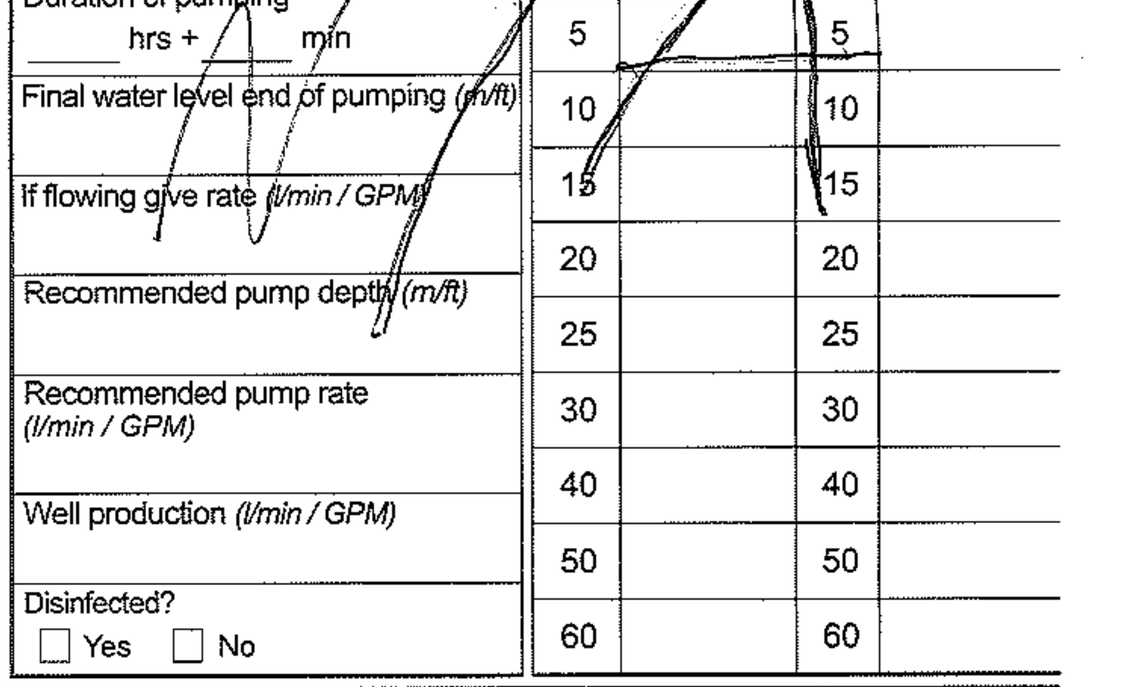
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well 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: @Nrmbing@ca-electric.ca
Bus. Telephone No. *(inc. area code)*: 6136923284	Name of Well Technician (Last Name, First Name): Sadler Johnston	
Well Technician's Licence No.: 3689	Signature of Technician and/or Contractor: J Sadler	Date Submitted: 2019090 4

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☑ Yes ☐ No	2019090 4	2019090 4

Ministry Use Only

Audit No. Z319376

SEP 09 2019

Received

0506E (2018/12)

Ministry's Copy

Ontario

Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☑ Imperial

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

Tag#:A252081

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

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	Depth (m/ft) 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)

Method of Construction

☐ Cable Tool ☐ Rotary (Conventional) ☐ Rotary (Reverse) ☐ Boring ☐ Air percussion ☐ Other, *specify* _____

☐ Diamond ☐ Jetting ☐ Driving ☑ Digging

Well Use

☐ Public ☐ Domestic ☐ Livestock ☐ Irrigation ☐ Industrial ☐ Other, *specify* _____

☐ Commercial ☐ Municipal ☐ Test Hole ☑ Cooling & Air Conditioning

☐ Not used ☐ Dewatering ☐ Monitoring

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	
☐ Gas	☐ Fresh ☑ Untested	☐ Other, *specify*
☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*
☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
6"	6"	

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

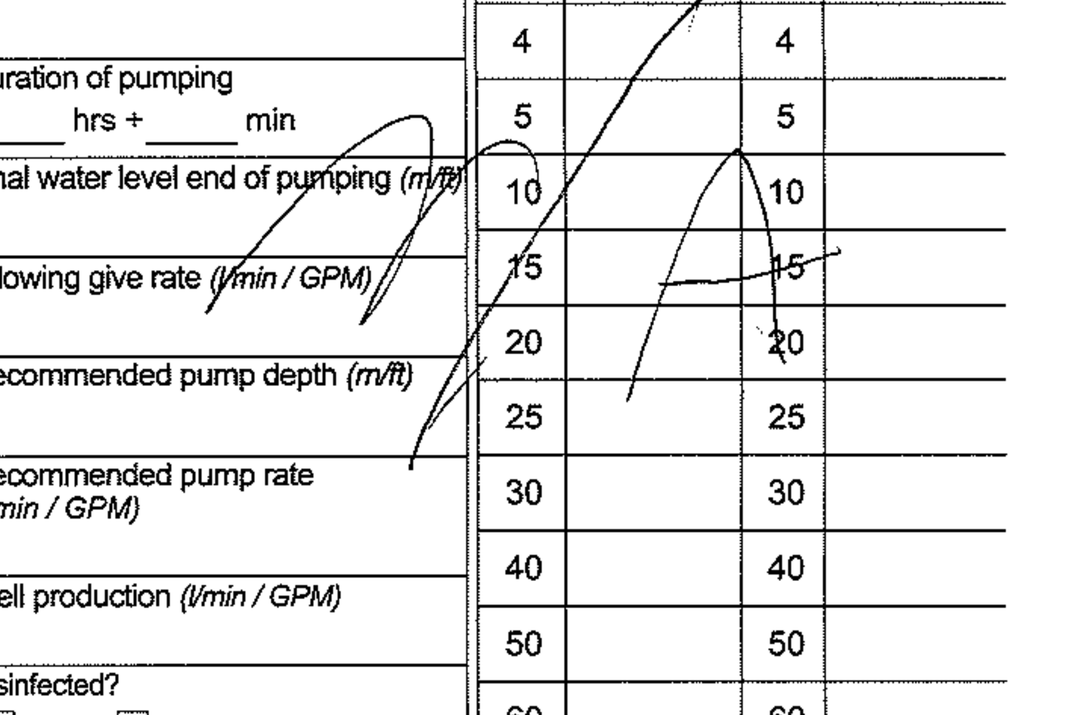
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor: C&N electric & Plumbing		Well Contractor's Licence No.: 6369
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)*: 6137692328 4	Name of Well Technician (Last Name, First Name): Sadler Johnston	
Well Technician's Licence No.: 3589	Signature of Technician and/or Contractor	Date Submitted: 2019 09 09

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☑ Yes ☐ No	2019 09 09	2019 09 09

Ministry Use Only

Audit No. Z292190

SEP 09 2019

Received

Jesse Andrechek

From: Public Information Services <publicinformationservices@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 publicinformationservices@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: publicinformationservices@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)

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

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*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

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

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

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

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 ***Well ID:*** 1511320	W/123.3	4.44	83
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 ***Well ID:*** 1511819	WSW/143.7	2.69	89
16	WWIS		lot 1 con A ON ***Well ID:*** 1506590	NNW/144.1	-3.43	92
17	PES	ROBINSON'S FOODMARKETS INC.	1160 JOHN STREET MANOTICK ON K4M 1A3	E/145.0	-5.67	95

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

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

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

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

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	WSW	88.40	6
	ON	W	166.80	24

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.

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

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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
City of Ottawa	Ottawa ON	SE	145.13	18
City of Ottawa	Ottawa ON K1J 1A6	SE	145.13	18

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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
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	4
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE	83.37	4
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE	83.37	4
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE	83.37	4
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE	83.37	4
RIDEAU ANIMAL HOSPITAL	1 ANN ST. MANOTICK ON K0A 2N0	ENE	83.37	4
RIDEAU ANIMAL HOSPITAL 33-274	1 ANN ST. MANOTICK ON K0A 2N0	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
RIDEAU ANIMAL HOSPITAL	1 ANN ST. MANOTICK ON K0A 2N0	ENE	83.37	4
RIDEAU ANIMAL (OUT OF BUS.)	1 ANN ST. MANOTICK ON K0A 2N0	ENE	83.37	4
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE	83.37	4

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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
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.

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
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.

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

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

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.

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

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

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

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

Well ID: 1509945

lot 2 con A ON	ENE	182.86	**29**

Well ID: 1517944

lot 2 ON	NE	189.53	**30**

Well ID: 1506481

lot 2 ON	NE	217.56	**37**

Well ID: 1510183

lot 2 ON	ENE	228.01	**41**

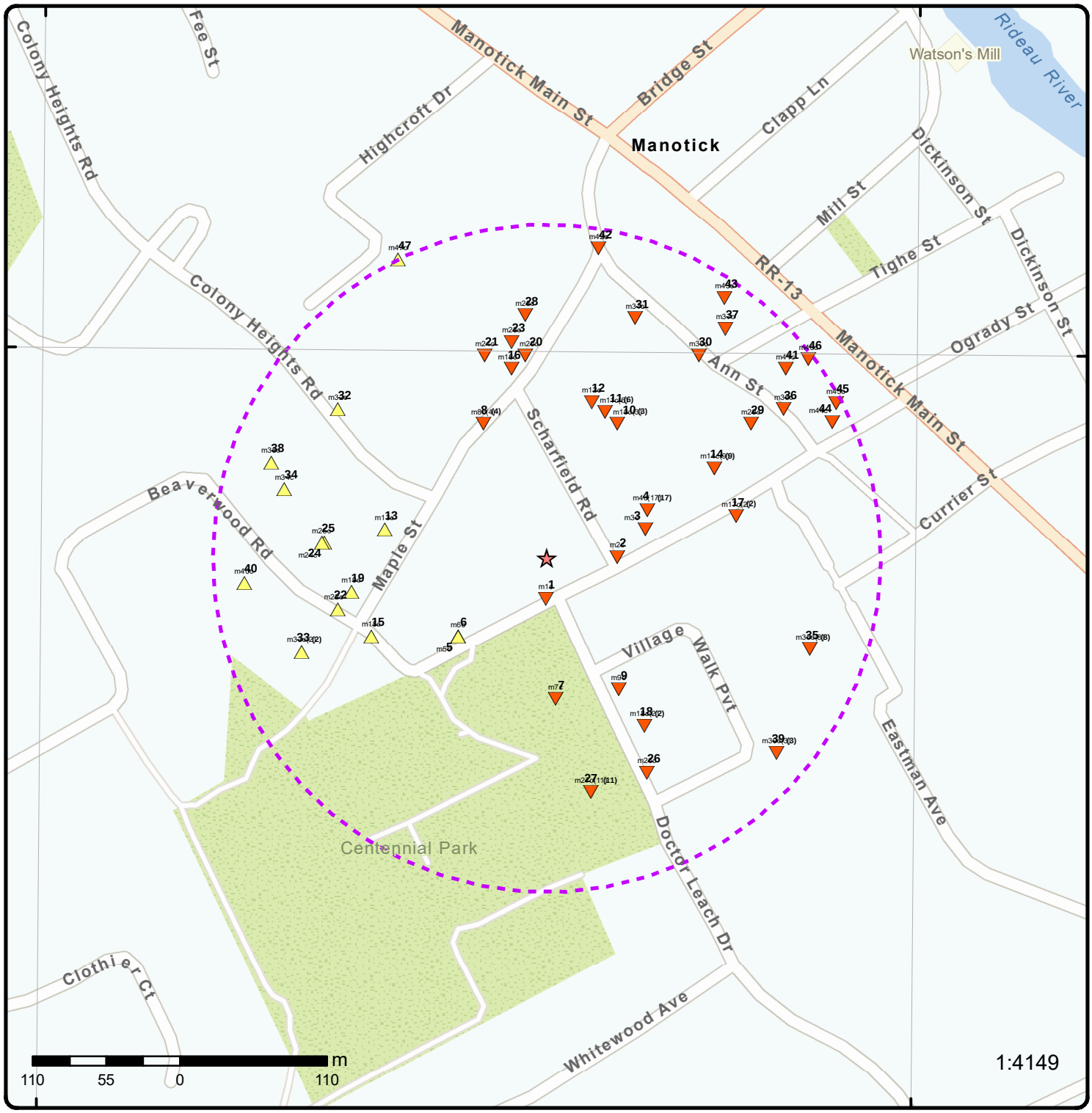
Well ID: 1506448

lot 1 ON	NNE	234.86	**42**

Well ID: 1506447

lot 2 con A ON	ENE	236.62	**44**

Well ID: 1516364



Map: 0.25 Kilometer Radius

Order Number: 22020800656

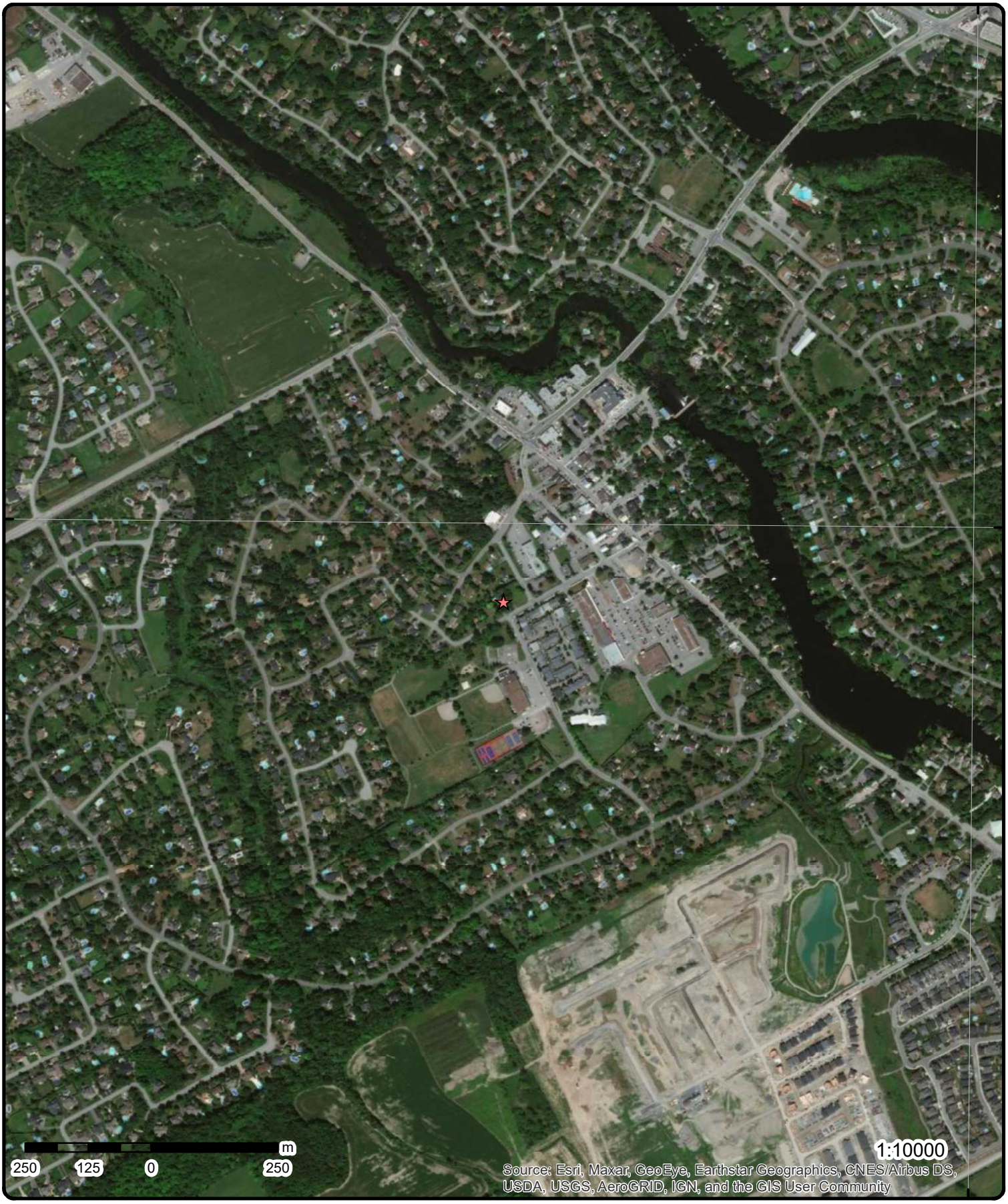
Address: 1185 Beaverwood Road, Manotick, ON

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

75°40'30"W

45°13'30"N

45°13'30"N



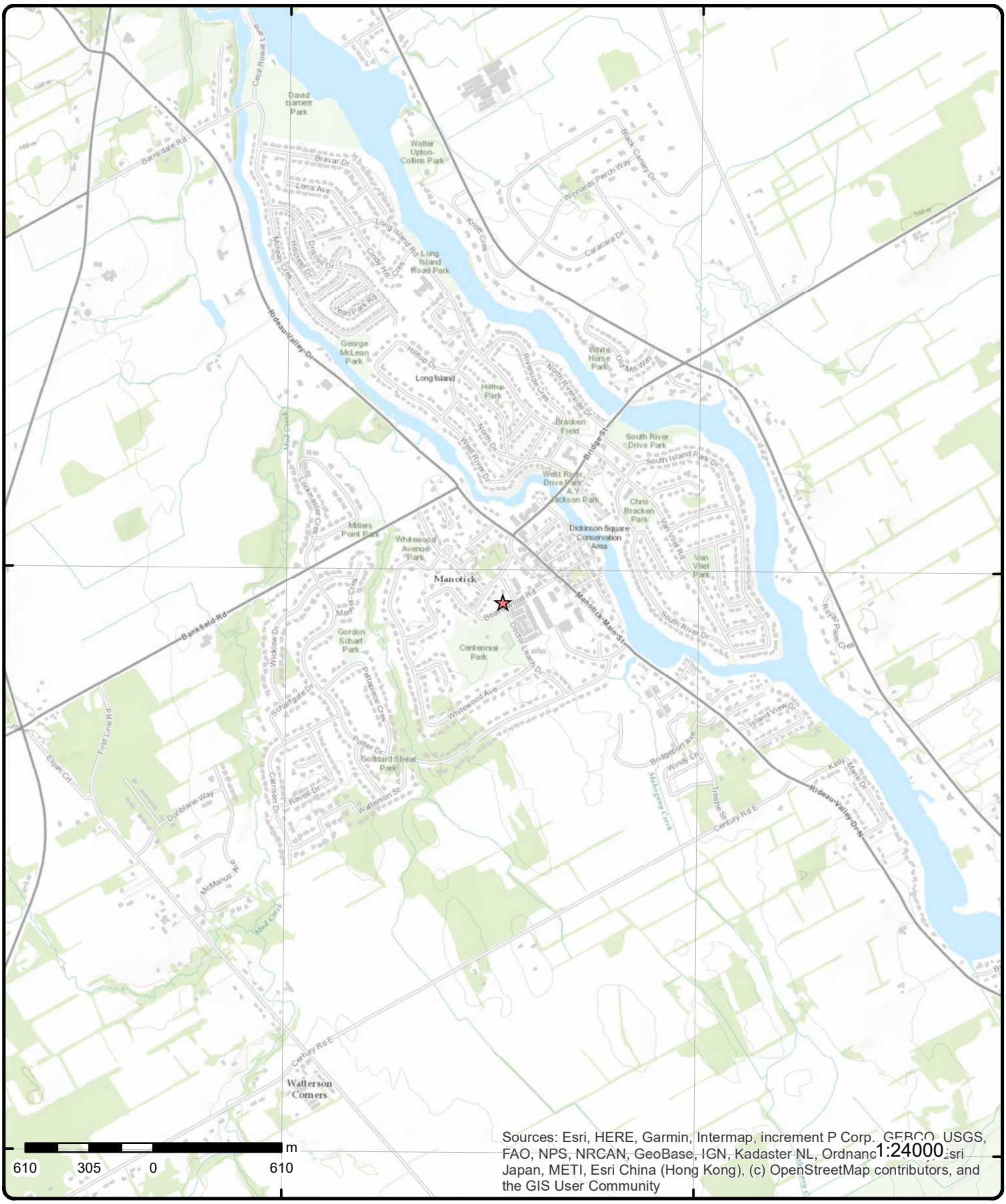
Aerial

Year: 2020

Order Number: 22020800656

Address: 1185 Beaverwood Road, Manotick, ON

Source: ESRI World Imagery



Topographic Map

Order Number: 22020800656

Address: 1185 Beaverwood Road, ON

Source: ESRI World Topographic Map

Detail Report

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	E/52.7	89.8 / -3.69	lot 2 con A ON	WWIS

Well ID: 1517732
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 3/3/1982
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Lot: 002
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

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

Additional Detail(s) (Map)

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

Bore Hole Information

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:			

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID:	931036151
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 95.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 961517732
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10588174
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID:	934102944
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934376564
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934895675
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934646400
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Water Details

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	ENE/76.8	89.2 / -4.34	lot 2 con A ON	WWIS

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

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

Additional Detail(s) (Map)

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

Bore Hole Information

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961516469
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10586955

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930067461
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 123.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930067460
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991516469
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 118.0
Recommended Pump Depth: 118.0
Pumping Rate: 35.0
Flowing Rate:
Recommended Pump Rate: 35.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934101954
Test Type: Draw Down
Test Duration: 15
Test Level: 118.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899410
Test Type: Draw Down
Test Duration: 60
Test Level: 118.0
Test Level UOM: ft

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 17	ENE/83.4	88.7 / -4.83	***RIDEAU ANIMAL HOSPITAL*** ***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:	86,87	***Phone No Admin:***	
PO Box No:		***Contam. Facility:***	
Country:		***MHSW Facility:***	

Detail(s)

Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	2 of 17	ENE/83.4	88.7 / -4.83	***RIDEAU ANIMAL HOSPITAL*** ***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:	88,89,90	***Phone No Admin:***	
PO Box No:		***Contam. Facility:***	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Country:				**MHSW Facility:**	

Detail(s)

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	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
SIC Code: 0211
SIC Description: VETERINARY SERVICE
Approval Years: 92,93,94,95,96
PO Box No:
Country:

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

Detail(s)

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	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
SIC Code: 0211
SIC Description: VETERINARY SERVICE
Approval Years: 97,98
PO Box No:
Country:

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

Detail(s)

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	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
SIC Code:
SIC Description:
Approval Years: 02,03,04
PO Box No:
Country:

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

Detail(s)

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

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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
SIC Code: 541940
SIC Description: Veterinary Services
Approval Years: 06,07,08
PO Box No:
Country:

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

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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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
SIC Code: 541940
SIC Description: Veterinary Services
Approval Years: 2009
PO Box No:
Country:

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

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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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
SIC Code: 541940
SIC Description: Veterinary Services
Approval Years: 2010

Status:
Co Admin:
Choice of Contact:
Phone No Admin:

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

PO Box No: ***Contam. Facility:***
Country: ***MHSW Facility:***

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

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

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

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

Detail(s)

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:

Detail(s)

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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

Detail(s)

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	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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

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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
SIC Code: 541940
SIC Description: VETERINARY SERVICES
Approval Years: 2014
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

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

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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
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada

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

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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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
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada

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

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

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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

Generator No: ON0731101
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada

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

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

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

Well ID: 1511389
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: 9/10/1971
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Lot: 007
Concession: 01
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

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

Bore Hole Information

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:			

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID:	931017580
Layer:	3
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 117.0
Formation End Depth: 150.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961511389
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10581955
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934382317
Test Type:	Draw Down
Test Duration:	30
Test Level:	75.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934643896
Test Type:	Draw Down
Test Duration:	45
Test Level:	75.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934900261
Test Type:	Draw Down
Test Duration:	60
Test Level:	75.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097080
Test Type:	Draw Down
Test Duration:	15
Test Level:	75.0
Test Level UOM:	ft

Water Details

Water ID:	933466525
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	78.0
Water Found Depth UOM:	ft

Water Details

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

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:			

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID:	931025137
Layer:	4
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 88.0
Formation End Depth: 125.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961514029
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10584581
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934381284
Test Type:	Draw Down
Test Duration:	30
Test Level:	75.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934099792
Test Type:	Draw Down
Test Duration:	15
Test Level:	75.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934899747
Test Type:	Draw Down
Test Duration:	60
Test Level:	75.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934641859
Test Type:	Draw Down
Test Duration:	45
Test Level:	75.0
Test Level UOM:	ft

Water Details

Water ID:	933469805
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	85.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933469806
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	122.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	1 of 4	NW/111.2	92.9 / -0.64	lot 2 con A ON	WWIS

Well ID:	1519106	***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\1519106.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961519106
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10589546

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID: 934106926
Test Type: Draw Down
Test Duration: 15
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934381667
Test Type: Draw Down
Test Duration: 30
Test Level: 60.0
Test Level UOM: ft

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

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8 | ***2 of 4*** | ***NW/111.2*** | ***92.9 / -0.64*** | ***lot 2 con A ON*** | ***WWIS***

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:***	

Cluster Kind:		***UTMRC:***	4
Date Completed:	20-Jul-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:	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

Use

Method Construction ID:	961519109
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10589549
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID:	934901173
Test Type:	Draw Down
Test Duration:	60

Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934381670
Test Type: Draw Down
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651644
Test Type: Draw Down
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106929
Test Type: Draw Down
Test Duration: 15
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933476000
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 46.0
Water Found Depth UOM: ft

Water Details

Water ID: 933475999
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 35.0
Water Found Depth UOM: ft

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8 | ***3 of 4*** | ***NW/111.2*** | ***92.9 / -0.64*** | ***lot 2 con A ON*** | ***WWIS***

Well ID: 1519314
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: 10/25/1984
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP
Site Info:
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\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

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961519314
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10589754
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

Casing ID:	930071909
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	31.0
Casing Diameter:	6.0

Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID: 934652124
Test Type: Draw Down
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934382708
Test Type: Draw Down
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934107972
Test Type: Draw Down
Test Duration: 15
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934901792
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933476260
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 39.0

Water Found Depth UOM: ft

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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

Additional Detail(s) (Map)

Well Completed Date:	1984/11/08
Year Completed:	1984
Depth (m):	50.292
Latitude:	45.2245104095878
Longitude:	-75.687458219684
Path:	151\1519491.pdf

Bore Hole Information

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:			

Overburden and Bedrock Materials Interval

Formation ID:	931041846
Layer:	2
Color:	2
General Color:	GREY

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well

Use

Method Construction ID: 961519491
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10589931
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID: 934653277
Test Type: Draw Down
Test Duration: 45

Test Level: 80.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109124
Test Type: Draw Down
Test Duration: 15
Test Level: 80.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934383298
Test Type: Draw Down
Test Duration: 30
Test Level: 80.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934894039
Test Type: Draw Down
Test Duration: 60
Test Level: 80.0
Test Level UOM: ft

Water Details

Water ID: 933476495
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 145.0
Water Found Depth UOM: ft

Water Details

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

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

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

Method of Construction & Well Use

Method Construction ID: 961515427
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10585944
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID: 934646845
Test Type: Draw Down
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

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

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10 ***1 of 3*** ***NE/113.6*** ***87.8 / -5.73*** ***lot 2 con A ON*** ***WWIS***

Well ID:	1517078	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/13/1979
Sec. Water Use:	0	***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	NORTH GOWER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	002
Well Depth:		***Concession:***	A
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517078.pdf

Additional Detail(s) (Map)

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
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 22-Jun-1979 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: 446129.80
North83: 5008121.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

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

Method Construction ID: 961517078
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10587528
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID: 934901600
Test Type: Draw Down
Test Duration: 60
Test Level: 25.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934102615
Test Type: Draw Down
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934382616
Test Type: Draw Down
Test Duration: 30
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934643701
Test Type: Draw Down
Test Duration: 45
Test Level: 25.0
Test Level UOM: ft

Water Details

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
Construction Date:
Primary Water Use: Commerical
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 3/3/1982
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Lot: 002
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517735.pdf

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

Use

Method Construction ID:	961517735
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10588177
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930069230
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	140.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991517735
Pump Set At:	
Static Level:	20.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	60.0
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

Draw Down & Recovery

Pump Test Detail ID:	934895678
Test Type:	Draw Down
Test Duration:	60
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934102947
Test Type:	Draw Down
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

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

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10 | ***3 of 3*** | ***NE/113.6*** | ***87.8 / -5.73*** | ***lot 2 con A ON*** | ***WWIS***

Well ID:	1518928	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/2/1984
Sec. Water Use:	0	***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	NORTH GOWER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	002
Well Depth:		***Concession:***	A
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518928.pdf

Additional Detail(s) (Map)

Well Completed Date:	1984/03/21
Year Completed:	1984
Depth (m):	22.86
Latitude:	45.2245180692445
Longitude:	-75.6861845377447
Path:	151\1518928.pdf

Bore Hole Information

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:	

Formation Top Depth: 14.0
Formation End Depth: 23.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 961518928
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10589368
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930071216
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 53.0
Casing Diameter: 6.0

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID: 934106332
Test Type: Draw Down
Test Duration: 15
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934381073
Test Type: Draw Down
Test Duration: 30
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651049
Test Type: Draw Down
Test Duration: 45
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934900582

Test Type: Draw Down
Test Duration: 60
Test Level: 35.0
Test Level UOM: ft

Water Details

Water ID: 933475771
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 69.0
Water Found Depth UOM: ft

Water Details

Water ID: 933475772
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 72.0
Water Found Depth UOM: ft

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11 | ***1 of 6*** | ***NNE/117.8*** | ***87.8 / -5.73*** | ***GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED***
1168 MAPLE ST, PO 534, STN MAIN
MANOTICK ON K4M1A5 | ***PES***

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: 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:
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:

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11 | ***2 of 6*** | ***NNE/117.8*** | ***87.8 / -5.73*** | ***GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED***
1168 MAPLE ST, PO 534, STN MAIN
MANOTICK ON K4M1A5 | ***PES***

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Vendor
Licence Type Code:
Licence Class:
Licence Control:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:

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

Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:
PDF Site Location:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

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11 | ***3 of 6*** | ***NNE/117.8*** | ***87.8 / -5.73*** | ***1168 MAPLE STREET MANOTICK ON*** | ***HINC***

External File Num: FS INC 0611-04142
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 10/31/2006
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (excluding pipeline strike)
Service Interruptions: Yes
Property Damage: Yes
Fuel Life Cycle Stage: Utilization
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training: Yes Management:No Human Factors:Yes
Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Ottawa
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

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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: 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:

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:			

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

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

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

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

Method of Construction & Well Use

Method Construction ID: 961510575
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10581172
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

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

Draw Down & Recovery

Pump Test Detail ID:	934898580
Test Type:	Draw Down
Test Duration:	60
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934641099
Test Type:	Draw Down
Test Duration:	45
Test Level:	19.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097204
Test Type:	Draw Down
Test Duration:	15
Test Level:	17.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934379522
Test Type:	Draw Down
Test Duration:	30
Test Level:	19.0
Test Level UOM:	ft

Water Details

Water ID:	933465599
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40.0
Water Found Depth UOM:	ft

13	*1 of 1*	*W/123.3*	*98.0 / 4.44*	*lot 2 con A ON*	*WWIS*

Well ID:	1511320	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/19/1971
Sec. Water Use:	0	**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1558

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

Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961511320
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10581886
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID: 934643411
Test Type: Draw Down
Test Duration: 45
Test Level: 80.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934381833
Test Type: Draw Down
Test Duration: 30
Test Level: 80.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934097013
Test Type: Draw Down
Test Duration: 15
Test Level: 80.0
Test Level UOM: ft

Draw Down & Recovery

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

Water Details

Water ID: 933466436
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 87.0
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	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

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

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

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

--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

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14 | ***8 of 9*** | ***ENE/142.5*** | ***87.8 / -5.73*** | ***Manotick Messenger Inc. - 1165 Beaverwood Rd Manotick ON K4M 1A5*** | ***SCT***

Established: 01-AUG-89
Plant Size (ft²):
Employment:

--Details--
Description: Digital Printing
SIC/NAICS Code: 323115

Description: Graphic Design Services
SIC/NAICS Code: 541430

Description: Newspaper Publishers
SIC/NAICS Code: 511110

Description: Other Printing
SIC/NAICS Code: 323119

Description: Quick Printing
SIC/NAICS Code: 323114

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14 | ***9 of 9*** | ***ENE/142.5*** | ***87.8 / -5.73*** | ***1165 Beaverwood Road Ottawa Ontario Manotick ON K4M 1L6*** | ***EHS***

Order No: 20191021027
Status: C
Report Type: Standard Report
Report Date: 24-OCT-19
Date Received: 21-OCT-19
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.685252
Y: 45.224224

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15 | ***1 of 1*** | ***WSW/143.7*** | ***96.2 / 2.69*** | ***lot 2 con A ON*** | ***WWIS***

Well ID: 1511819
Construction Date:
Primary Water Use: Domestic

Data Entry Status:
Data Src: 1
Date Received: 8/18/1972

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961511819
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10582383
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

Pump Test ID:	991511819
Pump Set At:	

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

Draw Down & Recovery

Pump Test Detail ID:	934894266
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934098467
Test Type:	Draw Down
Test Duration:	15
Test Level:	42.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934645552
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934383978
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

Water Details

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	**Data Entry Status:**	
Construction Date:		**Data Src:**	1

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

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 961506590
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10577196
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

Pump Test ID: 991506590

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

Water Details

Water ID:	933460751
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	110.0
Water Found Depth UOM:	ft

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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:			

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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:	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:			

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18 *1 of 2* *SE/145.1* *89.9 / -3.64* ***City of Ottawa*** ***ECA***

Ottawa ON K1J 1A6

Approval No:	0176-5VSPB5	**MOE District:**	Ottawa
Approval Date:	2004-04-27	**City:**	
Status:	Approved	**Longitude:**	-75.6859
Record Type:	ECA	**Latitude:**	45.222485
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	City of Ottawa		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6462-5TESLF-14.pdf		
PDF Site Location:			

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18 *2 of 2* *SE/145.1* *89.9 / -3.64* ***City of Ottawa*** ***ECA***

Ottawa ON

Approval No:	0931-5LGSQC	**MOE District:**	Ottawa
Approval Date:	2003-04-29	**City:**	
Status:	Approved	**Longitude:**	-75.6859
Record Type:	ECA	**Latitude:**	45.222485
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Business Name:	City of Ottawa		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3495-5KQKBX-14.pdf		
PDF Site Location:			

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19 *1 of 1* *W/148.5* *96.8 / 3.31* ***lot 2 con A*** ***WWIS***

ON

Well ID:	1511745	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	5/10/1972
Sec. Water Use:	0	**Selected Flag:**	TRUE
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\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:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	21-Apr-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:	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

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961511745
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10582309
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Results of Well Yield Testing

Pump Test ID:	991511745
Pump Set At:	
Static Level:	-35.0

Final Level After Pumping:	45.0
Recommended Pump Depth:	60.0
Pumping Rate:	10.0
Flowing Rate:	10.0
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	Yes

Draw Down & Recovery

Pump Test Detail ID:	934894201
Test Type:	Draw Down
Test Duration:	60
Test Level:	45.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934098395
Test Type:	Draw Down
Test Duration:	15
Test Level:	43.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934382937
Test Type:	Draw Down
Test Duration:	30
Test Level:	44.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934645071
Test Type:	Draw Down
Test Duration:	45
Test Level:	45.0
Test Level UOM:	ft

Water Details

Water ID:	933467002
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	81.0
Water Found Depth UOM:	ft

20	***1 of 1***	***N/152.5***	***90.1 / -3.43***	***lot 2 con A ON***	***WWIS***

Well ID:	1510653	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/21/1970

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961510653
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581249
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID:	934897939
Test Type:	Draw Down
Test Duration:	60
Test Level:	45.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097259
Test Type:	Draw Down
Test Duration:	15
Test Level:	45.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934379577
Test Type:	Draw Down
Test Duration:	30
Test Level:	45.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934641153
Test Type:	Draw Down
Test Duration:	45
Test Level:	45.0

Test Level UOM: ft

Water Details

Water ID: 933465685
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90.0
Water Found Depth UOM: ft

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21 | ***1 of 1*** | ***NNW/158.6*** | ***91.8 / -1.69*** | ***lot 2 con A ON*** | ***WWIS***

Well ID: 1516267
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: 11/17/1977
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Lot: 002
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\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
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 15-Oct-1977 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:

Elevation:
Elevrc:
Zone: 18
East83: 446030.80
North83: 5008172.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

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

Pipe ID: 10586767
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930067198
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 36.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930067199
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 73.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991516267
Pump Set At:
Static Level: 30.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 60.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934101778
Test Type: Draw Down
Test Duration: 15
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934640913
Test Type: Draw Down
Test Duration: 45

Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934898815
Test Type: Draw Down
Test Duration: 60
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934379821
Test Type: Draw Down
Test Duration: 30
Test Level: 60.0
Test Level UOM: ft

Water Details

Water ID: 933472543
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 70.0
Water Found Depth UOM: ft

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22 | 1 of 1 | W/161.0 | 96.2 / 2.66 | lot 2 con A ON | WWIS

Well ID: 1511375
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: 9/10/1971
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Lot: 002
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

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

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

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 961511375
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10581941
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Casing Depth UOM: ft

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID: 934097066
Test Type: Draw Down
Test Duration: 15
Test Level: 75.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934382303
Test Type: Draw Down
Test Duration: 30
Test Level: 75.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934643882
Test Type: Draw Down
Test Duration: 45
Test Level: 75.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934900247
Test Type: Draw Down
Test Duration: 60
Test Level: 75.0
Test Level UOM: ft

Water Details

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	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/7/1960
Sec. Water Use:	0	**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3601
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	NORTH GOWER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	002
Well Depth:		**Concession:**	A
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506586.pdf

Additional Detail(s) (Map)

Well Completed Date:	1960/08/01
Year Completed:	1960
Depth (m):	28.6512
Latitude:	45.2250610755834
Longitude:	-75.6871973618679
Path:	150\1506586.pdf

Bore Hole Information

Bore Hole ID:	10028622	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	446050.80
Code OB Desc:		**North83:**	5008182.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	01-Aug-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:			

Overburden and Bedrock Materials Interval

Formation ID:	931004912
Layer:	1
Color:	
General Color:	
Mat1:	13

Most Common Material:	BOULDERS
Mat2:	02
Mat2 Desc:	TOPSOIL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	36.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961506586
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10577192
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930049975
Layer:	2

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Water Details

Water ID:	933460746
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	94.0
Water Found Depth UOM:	ft

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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

Depth Elev:
Drill Method:
Orig Ground Elev m: 94.5
Elev Reliabil Note:
DEM Ground Elev m: 97.7
Concession:
Location D:
Survey D:
Comments:
Easting: 445911
Northing: 5008032
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218389220
Top Depth: 0
Bottom Depth: 10.4
Material Color: Grey
Material 1: Clay
Material 2: Boulders
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY,BOULDERS. GREY.
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218389221
Top Depth: 10.4
Bottom Depth: 25.6
Material Color: Grey
Material 1: Limestone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: LIMESTONE. GREY. 00084STONE. GREY. 00149. L. GREY. 00075TY = 18000. BED **Note: Many records provided by the department have a truncated [Stratum Description] field.
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 04301 NTS_Sheet:
Confiden 1:
Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada
Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

25	1 of 1	W/168.7	97.9 / 4.36	lot 2 con A ON	WWIS

Well ID: 1512263
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Data Entry Status:
Data Src: 1
Date Received: 1/11/1973
Selected Flag: TRUE

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961512263
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10582825
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID:	934647229
Test Type:	Draw Down
Test Duration:	45
Test Level:	35.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934895386
Test Type:	Draw Down
Test Duration:	60
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934376900
Test Type:	Draw Down
Test Duration:	30
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097918
Test Type:	Draw Down
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

Water Details

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:***	

Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	1008509989	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	446152.00
Code OB Desc:		***North83:***	5007860.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	08-Jul-2019 00:00:00	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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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:		***Pipe Material:***	
Incident No:	1773222	***Fuel Category:***	Natural Gas
Incident Reported Dt:	12/16/2015	***Health Impact:***	
Type:	FS-Pipeline Incident	***Environment Impact:***	
Status Code:		***Property Damage:***	Yes
Tank Status:	Pipeline Damage Reason Est	***Service Interrupt:***	
Task No:	5977992	***Enforce Policy:***	Yes
Spills Action Centre:		***Public Relation:***	
Fuel Type:		***Pipeline System:***	
Fuel Occurrence Tp:		***PSIG:***	
Date of Occurrence:		***Attribute Category:***	FS-Perform P-line Inc Invest
Occurrence Start Dt:	2015/12/16	***Regulator Location:***	
Depth:		***Method Details:***	E-mail

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:

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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	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	12/15/2015	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Miscellaneous Communal
Incident Event:		***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		

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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

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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

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

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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
SIC Code: 913910
SIC Description: 913910
Approval Years: 2014
PO Box No:
Country: Canada

Status:
Co Admin: Barry W Reaney
Choice of Contact: CO_ADMIN
Phone No Admin: 613-692-4772 Ext.
Contam. Facility: No
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: 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
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada

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

Detail(s)

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
SIC Code:
SIC Description:
Approval Years: As of Dec 2017
PO Box No:
Country: Canada

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

Detail(s)

Waste Class: 251 L
Waste Class Desc: Waste oils/sludges (petroleum based)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada

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

Detail(s)

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

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada

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

Detail(s)

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
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada

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

Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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
SIC Code:
SIC Description:
Approval Years: As of Jan 2021
PO Box No:
Country: Canada

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

Detail(s)

Waste Class: 221 L
Waste Class Desc: Light fuels

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
28	1 of 1	N/182.4	89.5 / -4.01	lot 2 con A ON	WWIS

Well ID: 1509945
Data Entry Status:

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

Formation End Depth:	85.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961509945
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10580547
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

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29 | ***1 of 1*** | ***ENE/182.9*** | ***88.9 / -4.64*** | ***lot 2 con A ON*** | ***WWIS***

Well ID:	1517944	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/5/1982
Sec. Water Use:	0	**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	NORTH GOWER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	002
Well Depth:		**Concession:**	A
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517944.pdf

Additional Detail(s) (Map)

Well Completed Date:	1982/05/27
Year Completed:	1982
Depth (m):	15.8496
Latitude:	45.2245257146985
Longitude:	-75.6849108552948
Path:	151\1517944.pdf

Bore Hole Information

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

Mat3 Desc: HARD
Formation Top Depth: 0.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961517944
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10588385
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

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:***	

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\1506481.pdf

Additional Detail(s) (Map)

Well Completed Date:	1963/02/01
Year Completed:	1963
Depth (m):	18.288
Latitude:	45.2249817818969
Longitude:	-75.6854131080142
Path:	150\1506481.pdf

Bore Hole Information

Bore Hole ID:	10028517	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	446190.80
Code OB Desc:		***North83:***	5008172.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	01-Feb-1963 00:00:00	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID:	931004633
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961506481
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10577087
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Flowing: No

Water Details

Water ID: 933460630
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 55.0
Water Found Depth UOM: ft

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31 | **1 of 1** | **NNE/191.5** | **86.9 / -6.66** | **5528 Ann St Ottawa ON K4M1A3** | **EHS**

Order No: 20161125034
Status: C
Report Type: Standard Report
Report Date: 02-DEC-16
Date Received: 25-NOV-16
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: City Directory

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.686021
Y: 45.225231

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32 | **1 of 1** | **WNW/192.1** | **99.6 / 6.05** | **lot 2 con A ON** | **WWIS**

Well ID: 1510054
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: 6/13/1969
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1503
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Lot: 002
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

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

DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	445920.80
Code OB Desc:		**North83:**	5008132.00
Open Hole:		**Org CS:**	
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:			

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Formation End Depth:	117.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961510054
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10580655
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

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33 ***1 of 2*** ***WSW/196.2*** ***94.9 / 1.36*** ***Enbridge Gas Distribution Inc.*** ***SPL***
1196 Beaverwood Road
Ottawa ON

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		

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33 ***2 of 2*** ***WSW/196.2*** ***94.9 / 1.36*** ***PIPELINE HIT 1/2"*** ***PINC***
1196 BEAVERWOOD RD,,OTTAWA,ON,K4M 1C7,
CA
ON

Incident ID:		**Pipe Material:**	
Incident No:	2321964	**Fuel Category:**	
Incident Reported Dt:	6/7/2018	**Health Impact:**	
Type:	FS-Pipeline Incident	**Environment Impact:**	
Status Code:		**Property Damage:**	
Tank Status:	Pipeline Damage Reason Est	**Service Interrupt:**	
Task No:		**Enforce Policy:**	
Spills Action Centre:		**Public Relation:**	
Fuel Type:		**Pipeline System:**	
Fuel Occurrence Tp:		**PSIG:**	
Date of Occurrence:		**Attribute Category:**	
Occurrence Start Dt:		**Regulator Location:**	
Depth:		**Method Details:**	

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:

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34 | ***1 of 1*** | ***W/203.0*** | ***98.7 / 5.14*** | ***lot 2 con A ON*** | ***WWIS***

Well ID:	1515411	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Livestock	**Date Received:**	7/8/1976
Sec. Water Use:	0	**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	NORTH GOWER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	002
Well Depth:		**Concession:**	A
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1515411.pdf

Additional Detail(s) (Map)

Well Completed Date:	1976/06/18
Year Completed:	1976
Depth (m):	45.1104
Latitude:	45.2240579252967
Longitude:	-75.6893506742536
Path:	151\1515411.pdf

Bore Hole Information

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:	

Formation Top Depth: 40.0
Formation End Depth: 148.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961515411
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10585929
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID:	934100892
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934646831
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934376537
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934895539
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Water Details

Water ID:	933471497
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	120.0
Water Found Depth UOM:	ft

Water Details

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:		***Operator Box:***	
Licence No:		***Operator Class:***	
Status:		***Operator No:***	
Approval Date:		***Operator Type:***	Vendor
Report Source:		***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:			

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35 **2 of 8** **ESE/208.3** **88.9 / -4.64** **1160D Beaverwood Drive, Manotick ON** **INC**

Incident No:	441918	**Any Health Impact:**	
Incident ID:	2593728	**Any Enviro Impact:**	
Instance No:		**Service Interrupted:**	
Status Code:	Causal Analysis Complete	**Was Prop Damaged:**	
Attribute Category:	FS-Incident	**Reside App. Type:**	
Context:		**Commer App. Type:**	
Date of Occurrence:		**Indus App. Type:**	
Time of Occurrence:		**Institut App. Type:**	
Incident Created On:		**Venting Type:**	
Instance Creation Dt:		**Vent Conn Mater:**	
Instance Install Dt:		**Vent Chimney Mater:**	
Occur Insp Start Date:		**Pipeline Type:**	Service / Riser Distribution Pipeline
Approx Quant Rel:		**Pipeline Involved:**	
Tank Capacity:		**Pipe Material:**	Plastic
Fuels Occur Type:		**Depth Ground Cover:**	0.8
Fuel Type Involved:		**Regulator Location:**	Outside
Enforcement Policy:		**Regulator Type:**	Service Regulator (up to 60 psi intake)
Prc Escalation Req:		**Operation Pressure:**	65
Tank Material Type:		**Liquid Prop Make:**	
Tank Storage Type:		**Liquid Prop Model:**	
Tank Location Type:		**Liquid Prop Serial No:**	
Pump Flow Rate Cap:		**Liquid Prop Notes:**	
Task No:		**Equipment Type:**	
Notes:		**Equipment Model:**	
Drainage System:		**Serial No:**	
Sub Surface Contam.:		**Cylinder Capacity:**	
Aff Prop Use Water:		**Cylinder Cap Units:**	
Contam. Migrated:		**Cylinder Mat Type:**	
Contact Natural Env:		**Near Body of Water:**	
Incident Location:	1160D Beaverwood Drive, Manotick - 1 1/4" Pipeline Hit		
Occurence Narrative:	1.25" main.		
Operation Type Involved:			
Item:			
Item Description:			
Device Installed Location:			

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35 **3 of 8** **ESE/208.3** **88.9 / -4.64** **1166 EASTMAN AVENUE, MANOTICK ON** **PINC**

Incident ID:	2682946	**Pipe Material:**	Plastic
Incident No:	526546	**Fuel Category:**	Natural Gas
Incident Reported Dt:		**Health Impact:**	No
Type:	FS-Pipeline Incident	**Environment Impact:**	No
Status Code:	Pipeline Damage Reason Est	**Property Damage:**	Yes
Tank Status:	RC Established	**Service Interrupt:**	Yes

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

Task No:	3217659	**Enforce Policy:**	Yes
Spills Action Centre:	N/A	**Public Relation:**	No
Fuel Type:	Natural Gas	**Pipeline System:**	Transmission pipeline
Fuel Occurrence Tp:	Pipeline Strike	**PSIG:**	53
Date of Occurrence:	1/13/2011 0:00	**Attribute Category:**	FS-Perform P-line Inc Invest
Occurrence Start Dt:	2011/06/13	**Regulator Location:**	Outside
Depth:	37	**Method Details:**	E-mail
Customer Acct Name:			
Incident Address:			
Operation Type:	Construction Site (pipeline strike)		
Pipeline Type:	Service / Riser Distribution Pipeline		
Regulator Type:	Service Regulator (up to 60 psi intake)		
Summary:	1166 EASTMAN AVENUE, MANOTICK - 1" PIPELINE HIT		
Reported By:	JEFF STILES - ENBRIDGE OTTAWA		
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)		
Occurrence Desc:	sewer work		
Damage Reason:	Excavation practices not sufficient		
Notes:	Outside Dig Area		

35	***4 of 8***	***ESE/208.3***	***88.9 / -4.64***	***MANOTICK HARDWARE LIMITED*** ***1166 BEAVERWOOD RD, PO BOX 970*** ***MANOTICK ON K4M 1A8***	***PES***

Detail Licence No:		***Operator Box:***	
Licence No:		***Operator Class:***	
Status:		***Operator No:***	
Approval Date:		***Operator Type:***	
Report Source:		***Oper Area Code:***	
Licence Type:	Vendor	***Oper Phone No:***	
Licence Type Code:		***Operator Ext:***	
Licence Class:		***Operator Lot:***	
Licence Control:		***Oper Concession:***	
Latitude:		***Operator Region:***	
Longitude:		***Operator District:***	
Lot:		***Operator County:***	
Concession:		***Op Municipality:***	
Region:		***Post Office Box:***	
District:		***MOE District:***	
County:		***SWP Area Name:***	
Trade Name:			
PDF Link:			
PDF Site Location:			

35	***5 of 8***	***ESE/208.3***	***88.9 / -4.64***	***2485368 ONTARIO INC O/A MANOTICK HOME HARDWARE*** ***1166 BEAVERWOOD RD*** ***MANOTICK ON K4M1A8***	***PES***

Detail Licence No:		***Operator Box:***	
Licence No:	17755	***Operator Class:***	
Status:		***Operator No:***	
Approval Date:		***Operator Type:***	
Report Source:	Legacy Licenses (Excluding TS)	***Oper Area Code:***	613
Licence Type:	Limited Vendor	***Oper Phone No:***	6923591
Licence Type Code:	23	***Operator Ext:***	
Licence Class:	01	***Operator Lot:***	
Licence Control:		***Oper Concession:***	
Latitude:		***Operator Region:***	
Longitude:		***Operator District:***	
Lot:		***Operator County:***	
Concession:		***Op Municipality:***	
Region:		***Post Office Box:***	

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

District:
County:
Trade Name:
PDF Link:
PDF Site Location:
MOE District:
SWP Area Name:

35	6 of 8	ESE/208.3	88.9 / -4.64	1799598 ONTARIO LIMITED O/A MANOTICK HOME HARDWARE 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8	PES

Detail Licence No:
Licence No: 05505
Status:
Approval Date:
Report Source: Legacy Licenses (Excluding TS)
Licence Type: Limited Vendor
Licence Type Code: 23
Licence Class: 01
Licence Control: 0
Latitude:
Longitude:
Lot:
Concession:
Region: 4
District: 2
County: 15
Trade Name:
PDF Link:
PDF Site Location:
Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code: 613
Oper Phone No: 6923591
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region: 4
Operator District: 2
Operator County: 15
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

35	7 of 8	ESE/208.3	88.9 / -4.64	1799598 ONTARIO LIMITED O/A MANOTICK HOME HARDWARE 1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8	PES

Detail Licence No:
Licence No: 05505
Status:
Approval Date:
Report Source: Legacy Licenses (Excluding TS)
Licence Type: Retail Vendor Class 03
Licence Type Code: 21
Licence Class: 03
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:
PDF Site Location:
Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code: 613
Oper Phone No: 6923591
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

35	8 of 8	ESE/208.3	88.9 / -4.64	2485368 ONTARIO INC. 1166 Beaverwood RD Manotick ON K4M 1A8	PES

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

Detail Licence No:		**Operator Box:**	
Licence No:	L-232-1110378933	**Operator Class:**	
Status:	Active	**Operator No:**	
Approval Date:	2020-11-03	**Operator Type:**	
Report Source:	PEST-Limited Vendor	**Oper Area Code:**	
Licence Type:	Limited Vendor	**Oper Phone No:**	
Licence Type Code:		**Operator Ext:**	
Licence Class:		**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:	45.22305556	**Operator Region:**	
Longitude:	-75.68444444	**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	Ottawa
County:		**SWP Area Name:**	Rideau Valley
Trade Name:			
PDF Link:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2300080		
PDF Site Location:			

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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:			

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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:**	

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:***	
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

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 961510183
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10580781
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID:	934378990
Test Type:	Draw Down
Test Duration:	30
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934896930
Test Type:	Draw Down
Test Duration:	60
Test Level:	65.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934096811

Test Type:	Draw Down
Test Duration:	15
Test Level:	55.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934640010
Test Type:	Draw Down
Test Duration:	45
Test Level:	65.0
Test Level UOM:	ft

Water Details

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

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

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

Pump Test Detail ID: 934643982
Test Type: Draw Down
Test Duration: 45
Test Level: 70.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934383377
Test Type: Draw Down
Test Duration: 30
Test Level: 70.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934901319
Test Type: Draw Down
Test Duration: 60
Test Level: 70.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934098140
Test Type: Draw Down
Test Duration: 15
Test Level: 70.0
Test Level UOM: ft

Water Details

Water ID: 933466638
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 62.0
Water Found Depth UOM: ft

Water Details

Water ID: 933466639
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 86.0
Water Found Depth UOM: ft

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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
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: 10/4/1972
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Lot: 002
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

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
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 18-Aug-1972 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: 445850.80
North83: 5008002.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931019449
Layer: 1
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 11

Mat2 Desc: GRAVEL
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 0.0
Formation End Depth: 48.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 961512038
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10582602
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID:	934646183
Test Type:	Draw Down
Test Duration:	45
Test Level:	80.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934894758
Test Type:	Draw Down
Test Duration:	60
Test Level:	80.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934384610
Test Type:	Draw Down
Test Duration:	30
Test Level:	80.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934098674
Test Type:	Draw Down
Test Duration:	15
Test Level:	80.0
Test Level UOM:	ft

Water Details

Water ID:	933467355
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	155.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
41	1 of 1	ENE/228.0	89.4 / -4.09	lot 2 ON	WWIS

Well ID:	1506448	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Industrial	**Date Received:**	11/14/1961
Sec. Water Use:	0	**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3601
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	NORTH GOWER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	002
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	BF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506448.pdf

Additional Detail(s) (Map)

Well Completed Date:	1961/09/08
Year Completed:	1961
Depth (m):	15.24
Latitude:	45.2248967382306
Longitude:	-75.6845841272441
Path:	150\1506448.pdf

Bore Hole Information

Bore Hole ID:	10028484	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	446255.80
Code OB Desc:		**North83:**	5008162.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	08-Sep-1961 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931004553
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 14.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 961506448
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10577054
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Casing Depth UOM: ft

Results of Well Yield Testing

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

Water Details

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

Longitude: -75.6863770431013
Path: 150\1506447.pdf

Bore Hole Information

Bore Hole ID: 10028483
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05-Nov-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: 446115.80
North83: 5008252.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 961506447
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID:	10577053
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Water Details

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

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

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961516364
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10586861
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Casing Depth UOM: ft

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID: 934380328
Test Type: Recovery
Test Duration: 30
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934641419
Test Type: Recovery
Test Duration: 45
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899321
Test Type: Recovery
Test Duration: 60
Test Level: 25.0
Test Level UOM: ft

Water Details

Water ID: 933472666
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 95.0
Water Found Depth UOM: ft

Water Details

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

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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		

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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:**	
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:			

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47 | **1 of 1** | **NW/249.8** | **94.6 / 1.12** | **lot 2 con A ON** | **WWIS**

Well ID:	1514236	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/22/1974
Sec. Water Use:	0	**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	NORTH GOWER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	002
Well Depth:		**Concession:**	A
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514236.pdf

Additional Detail(s) (Map)

Well Completed Date:	1974/07/19
Year Completed:	1974
Depth (m):	54.864
Latitude:	45.2256126131503
Longitude:	-75.6882867362089
Path:	151\1514236.pdf

Bore Hole Information

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:			

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID:	931025680
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	13

Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 961514236
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10584783
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

Pump Test Detail ID:	934900330
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934642444
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934381870
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934099126
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

Water Details

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	***MOE District:***	
County:	15	***SWP Area Name:***	
Trade Name:			
PDF Link:			
PDF Site Location:			

Site:
lot 1 ON

Database:
WWIS

Well ID:	1518217	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/6/1983
Sec. Water Use:	Livestock	***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:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10040087	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	21-Mar-1983 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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 or 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 in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Dec 2020

National Analysis of Trends in Emergencies System (NATES): Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2019

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Nov 30, 2021

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jan 2021

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Dec 31, 2021

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011- Dec 31, 2021

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Dec 31, 2021

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Dec 2021

Retail Fuel Storage Tanks: Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Sep 30, 2021

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Sep 2020

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2018

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variances 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 30st, 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)

Mark S. D'Arcy, P. Eng.

patersongroup

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