December 19, 2024
File: PE0975-LET.09

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Richcraft Group of Companies
2280 St. Laurent Boulevard, Suite 201
Ottawa, Ontario
K1G 4K1

Attention: **Ms. Fairouz Wahab**

Subject: **Phase I - Environmental Site Assessment Update**
6615 & 6635 Renaud Road and 191 Rappel Circle
Ottawa, Ontario

Dear Madam,

Further to your request and authorization, Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I ESA) Update for the aforementioned site (Phase I Property). This report updates a previous Phase I ESA, completed by Paterson in December 2020.

This letter report is intended to meet the requirements for an updated Phase I ESA, as per Ontario Regulation 153/04, and is to be read in conjunction with the previous 2020 Phase I ESA report.

1.0 Site Information

The Phase I Property is located on the northwest side of the intersection of Mer Bleue Road and Renaud Road, in the City of Ottawa, Ontario. The site is currently occupied by a one-storey detached residential dwelling, surrounded by landscaped areas and mature trees. The Phase I Property is situated within an suburban setting consisting of residential and agricultural properties.

2.0 Previous Engineering Reports

A summary of the previous engineering reports is provided below:

- ❒ “Phase I - Environmental Site Assessment, Trail’s Edge East, Ottawa, Ontario” prepared by Paterson Group (Report No. PE0975-3; dated January 9, 2017).

According to historical research conducted as part of the 2017 Phase I ESA, which examined a larger parcel of land containing the current Phase I Property, the subject lands were historically utilized for agricultural purposes until partially developed for residential purposes sometime in the 1980's and 1990's.

Based on the findings of the historical research, in conjunction with the findings of the site inspection, no potentially contaminating activities or areas of potential environmental concern were identified with respect to the Phase I Property, and as a result, no further work was recommended.

- ❒ "Phase I - Environmental Site Assessment Update, Trail's Edge: Phases 2 & 3, Proposed Residential Subdivision Development, Ottawa, Ontario" prepared by Paterson Group (Report No. PE0975-LET.06; dated December 7, 2020).

A review of more recent historical information, in combination with personal interviews and a site inspection, generally confirmed the findings presented in the previous 2017 Phase I ESA. The Phase I Property had not changed significantly since the time of the previous 2017 Phase I ESA and no environmental concerns were identified as part of the assessment. As a result, no further work was recommended.

3.0 Historical Records Review

Phase I ESA Study Area Determination

A radius of approximately 250 m was deemed appropriate for defining the study area for this assignment (Phase I Study Area). Properties located outside of the Phase I Study Area are not considered to have had the potential to impact the Phase I Property, based on their significant distances away from the site.

First Developed Use Determination

Based on a review of available historical information, the portion of the Phase I Property addressed 6615 Renaud Road was first developed with the existing residential dwelling sometime in the 1980's. The remaining two parcels addressed 6635 Renaud Road and 191 Rappel Circle have never been formally developed.

National Pollutant Release Inventory

A search of the National Pollutant Release Inventory (NPRI) database was conducted as part of this assessment. This federally managed database provides various reports and tracking information relating to the release of solid, liquid, or gaseous pollutants from industrial facilities into the natural environment.

A search of this database did not identify any pollutant release records pertaining to the Phase I Property or any properties situated within the Phase I Study Area.

Ontario PCB Waste Storage Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Ontario Inventory of PCB Storage Sites, April 1995"* was reviewed as part of this assessment. This document identifies all recorded active and closed PCB waste storage sites situated in the Province of Ontario.

A review of this document did not identify any former PCB waste storage sites situated on the Phase I Property or within the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Waste Disposal Site Inventory in Ontario, 1991"* was reviewed as part of this assessment. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants situated in the Province of Ontario.

A review of this document did not identify any former waste disposal sites situated on the Phase I Property or within the Phase I Study Area.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Municipal Coal Gasification Plant Site Inventory, 1991"* was reviewed as part of this assessment. This document provides a reference to the locations of former plants with respect to the Phase I Property.

A review of this document did not identify any former coal gasification plants located on the Phase I Property or within the Phase I Study Area.

MECP Instruments

As part of the 2020 Phase I ESA Update, 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 Phase I Property.

The response from the MECP indicated that no relevant records were identified pertaining to the Phase I Property.

MECP Submissions

As part of the 2020 Phase I ESA Update, a request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions for the Phase I Property.

The response from the MECP indicated that no relevant records were identified pertaining to the Phase I Property.

MECP Waste Management Records

As part of the 2020 Phase I ESA Update, a request was submitted to the MECP Freedom of Information office for information with respect to waste management records for the Phase I Property.

The response from the MECP indicated that no relevant records were identified pertaining to the Phase I Property.

MECP Incident Reports

As part of the 2020 Phase I ESA Update, 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 Phase I Property or any of the neighbouring properties.

The response from the MECP indicated that no relevant records were identified pertaining to the Phase I Property.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment.

A review of the registry did not identify any Records of Site Condition (RSCs) filed for the Phase I Property or for any properties situated within the Phase I Study Area.

OMNRF Areas of Natural and Scientific Interest

A search for areas of natural and scientific interest situated within the Phase I Study Area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website. The search did not identify any natural features of 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 electronically, as part of this assessment, to inquire about current and former fuel storage tanks, spills, and historical incidents for the Phase I Property as well as the neighbouring properties. A copy of the correspondence with the TSSA has been appended to this report.

The response from the TSSA did not identify any records pertaining to the Phase I Property or any other properties situated within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory (HLUI) Database

As part of the previous 2020 Phase I ESA Update, a requisition form was submitted to the City of Ottawa to request information from the City's Historical Land Use Inventory (HLUI) database for any environmental records pertaining to the Phase I Property as well as any properties situated within the Phase I Study Area. A copy of the HLUI response has been appended to this report.

The response from the City indicated that no records were identified pertaining to the Phase I Property.

Records were returned pertaining to some off-site properties within the Phase I Study Area. These are listed for properties which are situated at a significant distance away, and/or situated in a down-gradient or cross-gradient orientation with respect to anticipated groundwater flow, and thus are not considered to pose an environmental concern to the Phase I Property.

City of Ottawa Former Landfill Sites

The document prepared by Golder Associates entitled, *"Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa"*, was reviewed as part of this assessment. This document identifies the details and locations of all recorded former landfill sites situated in the City of Ottawa.

A review of this document did not identify any former landfill sites situated on the Phase I Property or within the Phase I Study Area.

ERIS Database Report

A database report, prepared by ERIS (Environmental Risk Information Services Ltd.), dated November 20, 2020, was acquired as part of the previous 2020 Phase I ESA Update and reviewed as part of this assessment.

This report provides a compilation of various provincial and federal environmental related records pertaining to any properties situated within the Phase I Study Area. It should be noted that the ERIS database report covers a larger parcel of land which includes the current Phase I Property.

- ❑ *On-Site Records:*

The ERIS report identified one historical ERIS database search record associated with the Phase I Property. This record does not represent any potential environmental concern to the Phase I Property.

- ❑ *Off-Site Records:*

The ERIS report identified several environmental records pertaining to properties located within a 250 m radius of the Phase I Property.

The off-site records identified in the ERIS report are either of no environmental concern or are listed for properties which are situated at a significant distance away, and/or situated in a down-gradient or cross-gradient orientation with respect to anticipated groundwater flow, and thus are not considered to pose an environmental concern to the Phase I Property.

Aerial Photographs

The most recent aerial photograph reviewed in the 2020 Phase I ESA Update report was taken in 2018. For this update, a more recent aerial photograph, taken in 2022, was reviewed as part of this assessment.

In the 2022 aerial photograph, no significant changes were apparent with respect to the Phase I Property since the time of the previous 2018 aerial photograph, though much of the neighbouring lands appear to be stripped of topsoil and native vegetation in preparation for development of the residential subdivision. The Phase I Property and the surrounding lands appear in this photograph as they exist today.

A copy of the 2022 aerial photograph has been appended to this letter.

Water Bodies

No water bodies are present on the Phase I Property or within the Phase I study area. The nearest named water body with respect to the Phase I Property is Mer Bleue Bog, located approximately 2.0 km to the south.

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 the available geological mapping information, the bedrock within the area of the Phase I Property consists of interbedded limestone and shale of the Lindsay Formation, whereas the surficial geology consists of offshore marine sediments (clay and silt) with an overburden thickness ranging from approximately 25 m to 50 m.

Topographic Maps

A topographic map of the Phase I Property was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as part of this assessment.

The topographic map indicates that the general elevation of the Phase I Property is approximately 85 m above sea level, while the regional topography within the greater area is depicted as sloping downwards to the south, in the general direction of Mer Bleue Bog.

An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A physiographic map was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as a part of this assessment.

According to the publication and available mapping information, the Phase I Property is situated within the St. Lawrence Lowlands. According to the description provided: *"…the lowlands are plain-like areas that were affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets."* The Phase I Property is specifically located within the Central St. Lawrence Lowland area, which is rarely more than 150 m above sea level.

MECP Water Well Records

A search of the MECP Well Records website was conducted as part of this assessment. This database provides information for all recorded water wells installed within the Province of Ontario.

A search of the database identified 8 well records situated within the Phase I Study Area. These records pertain to wells installed between 1961 and 2019 and used for domestic household purposes. It is likely that some of the residential properties adjacent to Renaud Road and Mer Bleue Road

According to the well records, the overburden stratigraphy in the area of the Phase I Property generally consists of a blue clay with some gravel encountered at deeper depths. Bedrock, primarily consisting of limestone was typically encountered at depths ranging from approximately 20 m to 30 m below ground surface.

Personal Interview

Mr. Brad Moore, a representative of Richcraft, was available at the time of the site inspection to respond to questions regarding the history of the Phase I Property.

According to Mr. Moore, the Phase I Property was first developed with the existing residential dwelling sometime in the 1980's. The property has remained largely unchanged since that time, though as of 2023 it was recently converted into a temporary construction site office to facilitate the development of the neighbouring subdivision. Mr. Moore stated that the building was originally serviced with a private well and septic system but was recently connected to municipal services during the conversion to a site office.

Mr. Moore stated that he was unaware of any potential environmental concerns associated with the historical or current us of the Phase I Property.

4.0 Site Reconnaissance

The site inspection was conducted on December 9, 2024, between 3:00 PM and 4:00 PM, by personnel from Paterson's environmental department. In addition to the Phase I Property, the present-day uses of the neighbouring properties within the Phase I Study Area were also assessed at the time of the site inspection.

Exterior Assessment

Site Description

At the time of the site inspection, the Phase I Property was observed to be occupied by a one-storey detached residential dwelling, currently utilized as a temporary construction site office. The remainder of the Phase I Property is largely landscaped with grass lawns and occasional mature trees. A radio tower and some equipment storage containers are present along the western property boundary.

The Phase I Property is considered to be at grade with the adjacent roads as well as the surrounding properties. The site topography is relatively flat, whereas the regional topography slopes very gently down towards the south, in the general direction of Mer Bleue Bog.

Water drainage on the subject site occurs primarily via infiltration throughout the property, as well as via surface run-off towards catch basins present on the adjacent roads.

No ponded water, stressed vegetation, or any other indications of potential sub-surface contamination were observed on-site at the time of the site inspection.

Buildings and Structures

At the time of the site inspection, the Phase I Property was occupied by a one-storey residential dwelling, with a full basement level. Built sometime in the 1980's, the residence was constructed with a wood frame, poured concrete foundation, and is finished on the exterior with brick siding and a sloped, shingled roof. The residence is currently heated via a natural gas-fired furnace, located in the basement.

Potential Environmental Concerns

- **Fuels and Chemical Storage**

  At the time of the site inspection, no vent and fill pipes, aboveground fuel storage tanks, or signs of underground fuel storage tanks were observed on the exterior of the Phase I Property.

- **Hazardous Materials and Unidentified Substances**

  At the time of the site inspection, no hazardous materials, unidentified substances, spills, surficial staining, abnormal odours, stressed vegetation, or any other indications of potential sub-surface contamination were observed on the exterior of the Phase I Property.

- **Polychlorinated Biphenyls (PCBs)**

  At the time of the site inspection, no potential sources of PCBs were observed on the exterior of the Phase I Property.

- **Waste Management**

  Solid, non-hazardous domestic waste and recyclable products are stored in plastic and metal bins on the exterior of the dwelling and are collected by a licensed contractor on a regular basis. No environmental concerns were identified with respect to waste management practices on the Phase I Property.

Interior Assessment

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

- The floors consist of hardwood, poured concrete, and ceramic tiles;
- The walls consist of drywall;

- The ceilings consist of drywall with stipple plaster finishes;
- Lighting throughout the building is provided by LED, incandescent, and fluorescent light fixtures.

Potentially Hazardous Building Materials

- **Asbestos Containing Materials (ACMs)**

  Based on the age of the residence (c. 1980's), asbestos containing building materials may be potentially present within the structure. Potential ACMs identified at time of the site inspection include the drywall joint compound throughout the building and the stipple plaster ceiling finishes. These building materials were generally observed to be in good condition at the time of the site inspection and do not pose an immediate concern to the occupants of the building.

- **Lead-Based Paints**

  Based on the age residence, lead-based paints may be present on any original or older painted surfaces. The painted surfaces were generally observed to be in good condition, and do not pose an immediate concern to the occupants of the building.

- **Polychlorinated Biphenyls (PCBs)**

  At the time of the site inspection, no potential sources of PCBs were identified inside the subject building.

- **Urea Formaldehyde Foam Insulation (UFFI)**

  At the time of the site inspection, UFFI was not observed inside the subject building, however, wall cavities were not exposed to allow for the inspection of insulation type.

Other Potential Environmental Concerns

- **Fuels and Chemical Storage**

  At the time of the site inspection, no aboveground fuel storage tanks, or signs of underground fuel storage tanks were observed inside the subject building.

  Chemical products stored within the subject building were observed to be limited to domestically available cleaning products, stored in their original containers. No environmental concerns were identified with respect to chemical storage practices on the Phase I Property.

- **Ozone Depleting Substances (ODSs)**

  Potential sources of ODSs observed on-site include fire extinguishers, a refrigerator, and an exterior pad-mounted air conditioner unit. These appliances appeared to be in good condition at the time of the site inspection and should be monitored by a licensed contractor.

- **Wastewater Drainage**

  At the time of the inspection, a sump pit was identified within the basement of the subject building, where the water inside was noted to be clear and odourless.

  Wastewater (wash water and sewage) generated from the subject building is discharged into the City of Ottawa sanitary sewer system. Roof drainage is discharged via infiltration into the landscaped areas on the Phase I Property or to via surface runoff towards catch basins located on the adjacent streets. No concerns were noted with respect to any wastewater discharges on the Phase I Property.

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 Phase I Property was observed as follows:

- North: Residential dwellings (under construction);
- East: Mer Bleue Road, followed by residential dwellings.
- South Renaud Road, followed by residential dwellings and agricultural land;
- West: Residential dwellings (under construction).

No environmental concerns were identified with respect to the current use of the neighbouring properties. Current land use within the Phase I Study Area is illustrated on Drawing PE0975-10 – Surrounding Land Use Plan, appended to this letter.

5.0 Review and Evaluation of Information

Land Use History

Based on a review of available historical information, the Phase I Property was first developed with the existing residential dwelling sometime in the 1980's.

Potentially Contaminating Activities (PCAs)

Based on the findings of this Phase I ESA, no potential environmental concerns were identified on the Phase I Property or within the Phase I Study Area.

Areas of Potential Environmental Concern (APECs)

Based on the findings of this Phase I ESA, no areas of potential environmental concern were identified on the Phase I Property.

Contaminants of Potential Concern (CPC)

Based on the findings of this Phase I ESA, no contaminants of potential concern were identified on the Phase I Property.

6.0 Conceptual Site Model

Geological and Hydrogeological Setting

Based on the available geological mapping information, the bedrock within the area of the Phase I Property consists of interbedded limestone and shale of the Lindsay Formation, whereas the surficial geology consists of offshore marine sediments (clay and silt) with an overburden thickness ranging from approximately 25 m to 50 m.

Groundwater is anticipated to be encountered within the overburden and flow in a southerly direction.

Existing Buildings and Structures

The Phase I Property is currently occupied by a one-storey former residential dwelling, currently utilized as a temporary construction site office.

Water Bodies and Areas of Natural and Scientific Interest

No water bodies or areas of natural and scientific interest are known to exist within the Phase I Study Area.

The nearest named water body with respect to the Phase I Property is Mer Bleue Bog, located approximately 2.0 km to the south.

Drinking Water Wells

Based on the available MECP water well records, it is likely that some of the residential properties adjacent to Renaud Road and Mer Bleue Road may still utilize private drinking water wells.

Neighbouring Land Use

The neighbouring lands within the Phase I Study Area consist of residential and agricultural properties.

Potentially Contaminating Activities and Areas of Potential Environmental Concerns

Based on the findings of this Phase I ESA Update, no potentially contaminating activities or areas of potential environmental concern were identified on the Phase I Property or within the Phase I Study Area.

Contaminants of Potential Concern

Based on the findings of this Phase I ESA, no contaminants of potential concern were identified 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 Update is considered to be sufficient to conclude that there are no PCAs or APECs associated with the Phase I Property.

The absence of these PCAs was confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

7.0 Conclusions and Recommendations

A review of more recent historical information, in combination with observations made during the site inspection, generally confirmed the findings presented in the previous 2017 and 2020 Phase I ESA reports. Since that time, no significant changes have been made to the Phase I Property and no potential environmental concerns were identified.

As a result, it is our opinion that **a Phase II ESA will not be required for the Phase I Property.**

8.0 Statement of Limitations

This Phase I - Environmental Site Assessment (Phase I ESA) Update report has been prepared in general accordance with Ontario Regulation 153/04, as amended, under the Environmental Protection Act. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of this Phase I ESA Update 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.

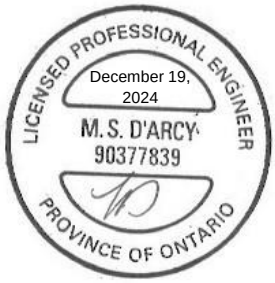
Should any conditions be encountered at the Phase I Property and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of Richcraft Homes Ltd. Permission and notification from Richcraft Homes and Paterson Group will be required prior to the release of this report to any other party.

Regards.

Paterson Group Inc.

Nick Sullivan, B.Sc.



Mark D'Arcy, P.Eng., QP$_{ESA}$

Report Distribution

- ❑ Richcraft Homes Ltd.
- ❑ Paterson Group Inc.

Attachments

- ❑ Aerial Photograph (2022)
- ❑ Site Photographs (December 2024)
- ❑ MECP FOI Response
- ❑ TSSA Correspondence
- ❑ HLUI Records Response
- ❑ ERIS Database Report
- ❑ Drawing PE0975-9 – Site Plan
- ❑ Drawing PE0975-10 – Surrounding Land Use Plan

AERIAL PHOTOGRAPH
2022

PATERSON GROUP

Site Photographs

PE0975 | 6615 & 6635 Renaud Road and 191 Rappel Circle, Ottawa, Ontario | December 9, 2024

Photograph 1: View of the residential dwelling situated in the western portion of the Phase I Property, facing north.

Photograph 2: View of the northern portion of the Phase I Property, facing west.

Site Photographs

PE0975 | 6615 & 6635 Renaud Road and 191 Rappel Circle, Ottawa, Ontario | December 9, 2024

Photograph 3: View of the eastern portion of the Phase I Property, facing east.

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
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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

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Ontario

August 25, 2021

Nick Sullivan
Paterson Group Inc.
154 Colonnade Road
Ottawa, ON K2E 7J5

Dear Nick Sullivan:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File #: A-2020-06322, Your Reference #: PE0975

This letter is further to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 6429 Renaud Road, Ottawa.

After a review of the records received from the Ministry's Ottawa District Office, and Environmental Assessment and Permissions Branch, the final decision has been made to provide full access to the attached information.

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ $30/hour	$ 30.00
• Preparation Time 0.05 hour @ $30/hour	$ 1.50
• **Total**	**$ 31.50**
• Deposit Received	- $ 30.00
• **BALANCE WAIVED (NOT REQUIRED)**	**$ 1.50**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, contact Warsan Jama at (416) 274-6134 or warsan.jama@ontario.ca.

Yours truly,

Noel Kent
Manager, Access and Privacy

Attachment

Ontario

Ministry of the Environment
Ministère de l'Environnement

ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER 1810-9L6SH8
Issue Date: June 27, 2014

Minto Communities Inc.
180 Kent Street
Ottawa, Ontario
K1P 0B6

Site Location: Trailsedge II Subdivision
(Ottawa Front)
Part of Lots 3 and 4, Concession 3
City of Ottawa

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

sanitary and storm sewers to serve the Trailsedge II Subdivision, in the City of Ottawa, as follows:

SANITARY SEWERS

sanitary sewers to be constructed on Renaud Road (from Station 0+745 to Station 1+353) and (from Station 0+745 to Station 1+873) and stub (from Station 1+365 to +/- 12 m north of Station 1+365) and Compass Street (from Station 0+100 to Station 0+257), stub (from Station 0+174.5 to +/- 13.5 m west of Station 0+174.5) and stub (from Station 0+184 to +/- 18 m east of Station 0+184);

STORM SEWERS

storm sewers to be constructed on Renaud Road (from Station 0+744 to Station 0+865) and from (Station 0+903 to Station 1+388) and Compass Street (from Station 0+110 to Station 0+210), stub (from Station 0+187 to +/- 18 m east of Station 0+187) and stub (from Station 0+210 to +/- 7 m west of Station 0+210);

all in accordance with the application dated June 2, 2014 and received June 4, 2014, including final plans and specifications prepared by IBI Consulting Ltd.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation;

2. "Director" means any Ministry employee appointed by the Minister pursuant to section 5 of the Part II.1 of the Environmental Protection Act;

3. "District Manager" means the District Manager of the Ottawa District Office of the Ministry;

4. "Ministry" means the Ontario Ministry of the Environment;

5. "Owner" means Minto Communities Inc., and includes its successors and assignees;

6. "Source Protection Plan" means a drinking water source protection plan prepared under the Clean Water Act, 2006;

7. "Water Supervisor" means the Water Supervisor of the Ottawa District Office of the Ministry; and

8. "Works" means the sewage works described in the Owner's application, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

1.1 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

1.2 Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, the application for Approval of the Works and the submitted supporting documents and plans and specifications as listed in this Approval.

1.3 Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

1.5 The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

The Approval issued by this Approval will cease to apply to those parts of the Works which have not been constructed within five (5) years of the date of this Approval.

3. CHANGE OF OWNER

3.1 The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

(a) change of Owner;

(b) change of address of the Owner;

(c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; and

(d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.

3.2 In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.

3.3 Notwithstanding any other requirements in this Approval, upon transfer of the ownership or assumption of the Works to a municipality if applicable, any reference to the District Manager shall be replaced with the Water Supervisor.

4. SOURCE WATER PROTECTION

The Owner shall, within sixty (60) calendar days of the Minister of the Environment posting approval of a Source Protection Plan on the Environmental Registry established under the Environmental Bill of Rights, 1993 for the area in which this Approval is applicable, apply to the Director for an amendment to this Approval that includes the necessary measures to conform with all applicable policies in the approved Source Protection Plan.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which Approval was granted. This condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the Owners their responsibility to notify any person they

authorized to carry out work pursuant to this Approval of the existence of this Approval.

2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.

3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.

4. Condition 4 is included to ensure that the Works covered by this Approval will conform to the significant threat policies and designated Great Lakes policies in the Source Protection Plan.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

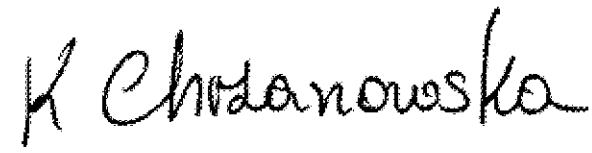
AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-3717 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 27th day of June, 2014



Katrina Chrzanowska, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

RS/

c: District Manager, MOE Ottawa District Office
Water Supervisor, MOE Ottawa District Office
Jacek Taracha, P.Eng., Senior Engineer, City of Ottawa (File No. D07-16-07-0018PH3)
Demetrius Yannoulopoulos, IBI Group

Ontario

Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement climatique

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 5391-9REPVA
Issue Date: January 14, 2015

Richcraft Homes Ltd.
2280 St. Laurent Boulevard, Suite 201
Ottawa, Ontario
K1G 4K1

Site Location: Trails Edge Subdivision - Phase 2
Part of Lots 3, 4 and 5, Concession 3 (Ottawa Front)
City of Ottawa, Ontario

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

sanitary and storm sewers to be constructed to serve the Trails Edge Subdivision, Phase 2, in the City of Ottawa, as follows:

- sanitary sewers on Compass Street (from station 0+256.670 to station 0+687.448), Axis Way (from station 0+000.500 to station 0+336.760), stub within Block 136 (from station 0+000.250 to station 0+043.050), Rainrock Crescent (from station -0+014.000 to station 0+460.260 and from station 0+633.580 to station 0+718.390), Wild Calla Way (from station 0+000.000 to station 0+190.900), Dragon Walk (from station 0+000.060 to station 0+208.970), Featherfoil Way (from station 0+001.240 to station 0+119.690), Shinleaf Crescent (from station -0+000.500 to station 0+550.700) and Tournesois Court (from station 0+000.000 to station 0+105.350);

- storm sewers on Compass Street (from station 0+240.440 to station 0+685.180), Axis Way (from station -0+002.790 to station 0+336.780), stub within Block 136 (from station -0+002.250 to station 0+041.000), Rainrock Crescent (from station -0+014.000 to station 0+458.760 and from station 0+616.180 to station 0+720.65), Wild Calla Way (from station -0+002.00 to station 0+191.740), Dragon Walk (from station -0+002.00 to station 0+209.560), Featherfoil Way (from station -0+001.670 to station 0+082.060), Shinleaf Crescent (from station 0+002.800 to station 0+547.450), Tournesois Court (from station 0+002.00 to station 0+103.280), Block 105 (from station 0+002.700 to station 0+085.530, Creek Inlet #1 (from station 0+005.000 to station 0+026.110) and Creek Inlet #2 (from station 0+110.000 to station 0+007.370);

all in accordance with the application from Richcraft Homes Ltd., dated October 21, 2014 and received on October 27, 2014, including final plans and specifications prepared by David Schaeffer Engineering Ltd.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation;

2. "Director" means any Ministry employee appointed by the Minister pursuant to section 5 of the Part II.1 of the Environmental Protection Act;

3. "District Manager" means the District Manager of the Ottawa District Office of the Ministry, where the Works are geographically located;;

4. "Ministry" means the Ontario Ministry of the Environment and Climate Change;

5. "Owner" means Richcraft Homes Ltd. and includes its successors and assignees;

6. "Water Supervisor" means the Water Supervisor of the Ottawa District Office of the Safe Drinking Water Branch of the Ministry, where the Works are geographically located; and

7. "Works" means the sewage works described in the Owner's application, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

1.1 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

1.2 Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, the application for approval of the Works and the submitted supporting documents and plans and specifications as listed in this Approval.

1.3 Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

1.4 Where there is a conflict between the listed submitted documents, and the application, the application

shall take precedence unless it is clear that the purpose of the document was to amend the application.

1.5 The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

The approval issued by this Approval will cease to apply to those parts of the Works which have not been constructed within five (5) years of the date of this Approval.

3. CHANGE OF OWNER

3.1 The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

(a) change of Owner;

(b) change of address of the Owner;

(c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; and

(d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.

3.2 In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.

3.3 Notwithstanding any other requirements in this Approval, upon transfer of the ownership or assumption of the Works to a municipality if applicable, any reference to the District Manager shall be replaced with the Water Supervisor.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which Approval was granted. This Condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The Condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval of the existence of this Approval.

2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.

3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment and
Climate Change
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-3717 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 14th day of January, 2015

K Chrzanowska

Katrina Chrzanowska, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

LW/

c: District Manager, MOECC Ottawa
Water Supervisor, Ottawa District Office, MOECC Safe Drinking Water Branch
Jacek Taracha, Senior Engineer, Development Review Process, City of Ottawa (D07-16-07-0018PH4)
Linda Carkner, Program Manager, Infrastructure Services, City of Ottawa
Jennifer Ailey, P. Eng., David Schaeffer Engineering Ltd.

Ontario

Ministry of the Environment, Conservation and Parks
Ministère de l'Environnement, de la Protection de la nature et des Parcs

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 5712-B65KDA
Issue Date: November 6, 2018

Richcraft Homes Ltd.
2280 St. Laurent Boulevard, Unit 201
Ottawa, Ontario
K1G 4K1

Site Location: Trailsedge East Subdivision
6429 Renaud Road
Part of Lots 2 and 3, Concession 3 (Ottawa Front)
City of Ottawa, Ontario

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

the establishment of wastewater infrastructure Works located in the City of Ottawa, consisting of the following:

- **sanitary sewers** on Couloir Road (from Station 0+0055 to Station 0+499.7), Arete Way (from Station 0+014.2 to Station 0+060), Verglas Lane (from Station 0+060 to Station 0+272.5), Ascender Avenue (from Station 0+023.5 to Station 0+575.6), Crevasse Street (from Station 0+047.8 to Station 0+536.5), Gendarme Circle (from Station 0+009 to Station 0+356.6), Bergschrund Walk (from Station 0+009 to Station 0+92.74), Cairn Street (from Station 0+092.74 to Station 0+255.5 and Station 0+333.7 to Station 0+503.4), Cornice Street (from Station 0+000 to Station 0+418.8 and Station 0+434.5 to Station 0+477), Cordelette Street (from Station 0+009 to Station 0+177.3 and Station 0+261.1 to Station 0+433), Street 24 (from Station 0+014.2 to Station 0+060.5), and Street 3 (from Station 0+013 to Station 0+031), discharging to existing sanitary sewers, located on Fern Casey Street; and

- **storm sewers** on Couloir Road (from Station 0+0056 to Station 0+497.8), Arete Way (from Station 0+011.7 to Station 0+060), Verglas Lane (from Station 0+060 to Station 0+270.5), Ascender Avenue (from Station 0+023.5 to Station 0+561.6, Crevasse Street (from Station 0+047.6 to Station 0+536.5), Gendarme Circle (from Station 0+011.5 to Station 0+354.1), Bergschrund Walk (from Station 0+006.4 to Station 0+92.74), Cairn Street (from Station 0+092.74 to Station 0+264.1 and Station 0+333.8 to Station 0+503.4), Cornice Street (from Station 0+000 to Station 0+421.3 and Station 0+432.5 to Station 0+477.9), Cordelette Street (from Station 0+010.5 to Station 0+178.4 and Station 0+260.2 to Station 0+433), Street 24 (from Station 0+011.7 to Station 0+060.5), and Street 3 (from Station 0+010.9 to Station 0+031), discharging to existing storm sewers, located on Fern Casey Street;

including erosion/sedimentation control measures during construction and all other controls and

appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted application and supporting documents listed in Schedule "A" forming part of this approval.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this entire document and any schedules attached to it, and the application;

2. "Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of Part II.1 of the EPA;

3. "District Manager" means the District Manager of the appropriate local District Office of the Ministry, where the Works are geographically located;

4. "EPA" means the *Environmental Protection Act,* R.S.O. 1990, c.E.19, as amended;

5. "Ministry" means the ministry of the government of Ontario responsible for the EPA and OWRA and includes all officials, employees or other persons acting on its behalf;

6. "Owner" means Richcraft Homes Ltd., and includes its successors and assignees;

7. "OWRA" means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended;

8. "Works" means the sewage Works described in the Owner's application, and this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL CONDITIONS

1. The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

2. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.

3. Where there is a conflict between a provision of any document in the schedule referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.

4. Where there is a conflict between the documents listed in Schedule "A" and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

5. The conditions of this Approval are severable. If any condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

1. This Approval will cease to apply to those parts of the Works which have not been constructed within five (5) years of the date of this Approval.

2. In the event that completion and commissioning of any portion of the Works is anticipated to be delayed beyond the specified expiry period, the Owner shall submit an application of extension to the expiry period, at least twelve (12) months prior to the end of the period. The application for extension shall include the reason(s) for the delay, whether there is any design change(s) and a review of whether the standards applicable at the time of Approval of the Works are still applicable at the time of request for extension, to ensure the ongoing protection of the environment.

3. CHANGE OF OWNER

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

    a. change of Owner;

    b. change of address of the Owner;

    c. change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act,* R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; or

    d. change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.

2. In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.

3. The Owner shall ensure that all communications made pursuant to this condition refer to the number at the top of this Approval.

4. OPERATION AND MAINTENANCE

1. If applicable, any proposed storm sewers or other stormwater conveyance in this Approval can be constructed but not operated until the proposed stormwater management facilities in this Approval or any other Approval that are designed to service the storm sewers or other stormwater conveyance are in operation.

Schedule "A"

1. Application for Environmental Compliance Approval, dated September 12, 2018, received on October 24, 2018, submitted by Richcraft Homes Ltd.;

2. Transfer of Review Letter of Recommendation, dated November 1, 2018 and signed by Joshua White, P.Eng., Senior Engineer - Infrastructure Applications, Development Review, East Branch, Planning, Infrastructure and Economic Development Department, City of Ottawa;

    a. Final Plans and Specifications prepared by Stantec Consulting Ltd.

    b. Pipe Data Form - Watermain, Storm Sewer, Sanitary Sewer, and Forcemain Design Supplement to Application for Approval for Water and Sewage Works.

    c. Hydraulic Design Sheets prepared by Stantec Consulting Ltd.

3. Emails dated October 31, 2018 and November 1, 2018 from Joshua White, P.Eng., Senior Engineer - Infrastructure Applications, Development Review, East Branch, Planning, Infrastructure and Economic Development Department, City of Ottawa to Florence Poon, MECP.

4. Email dated November 1, 2018 from Cameron Odam, Engineering Intern, Stantec Consulting Ltd. to Florence Poon, MECP.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are constructed and operated in the manner in which they were described and upon which approval was granted. This condition is also included to emphasize the precedence of conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.

3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to the approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.

4. Condition 4 is included to prevent the operation of stormwater pipes and other conveyance until such time that their required associated stormwater management Works are also constructed.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 6th day of November, 2018

C. Labarge

Christina Labarge, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

FP/

c: District Manager, MECP Ottawa
Clerk, City of Ottawa (File No. D07-16-16-0021)
Joshua White, P.Eng., Senior Engineer, City of Ottawa
Peter McKay, Infrastructure Renewal Program Manager, City of Ottawa
Phil Castro, Manager Land Development, Richcraft Homes Ltd.
Dustin Thiffault, P.Eng., Stantec Consulting Ltd.

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 6566-A7AMSG
Issue Date: February 23, 2016

Richcraft Homes Ltd.
2280 St. Laurent Boulevard, Suite 201
Ottawa, Ontario
K1G 4K1

Site Location: Trails Edge East
Part of Lot 1, 2, and 3, Concession 3 (Gloucester)
East Urban Community
City of Ottawa

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

establishment of temporary drainage facilities for the earthworks program related to the development of the Trails Edge East subdivision, located north of Renaud Road (Fourth Line), west of Mer Bleue Road, east of Belcourt Boulevard and south of Brian Coburn Boulevard Extension, for the collection, treatment and disposal of stormwater run-off, providing Enhanced Level water quality control and erosion protection, consisting of the following:

temporary sediment basin (catchment area 29.8 hectares): - one (1) sediment pond with sediment forebay and turbidity curtain, having a permanent pool volume of 3,744 m^3 and an extended detention volume of 4,093 m^3 at a total depth of approximately 1.8 m, located within the future Park Block, receiving inflow from three (3) temporary cut-off swales and discharging via an outlet ditch to existing Mud Creek diversion ditch and Mud Creek channel to East Urban Community stormwater management Pond 1 located east of Page Road on Mud Creek;

temporary clean water diversion ditch around the exterior perimeter of the proposed development discharging to the Mud Creek channel;

including erosion/sedimentation control measures during construction and all other controls, electrical equipment, instrumentation, piping, valves and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted supporting documents listed in Schedule "A" forming part of this Approval.

For the purpose of this environmental compliance approval, the following definitions apply:

"Approval" means this entire document including the application and any supporting documents listed in any schedules in this Approval;

"Director" means a person appointed by the Minister pursuant to section 5 of the Environmental Protection Act for the purposes of Part II.1 of the Environmental Protection Act;

"Ministry" means the ministry of the government of Ontario responsible for the Environmental Protection Act and the Ontario Water Resources Act and includes all officials, employees or other persons acting on its behalf;

"Owner" means Richcraft Homes Ltd. and includes their successors and assignees;

"Works" means the sewage works described in the Owner's application(s) and this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

(1) The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the Conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

(2) Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.

(3) Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

(4) Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

(5) The Conditions of this Approval are severable. If any Condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such Condition to other circumstances and the remainder of this Approval shall not be affected thereby.

(6) The issuance of, and compliance with the Conditions of this Approval does not:

(a) relieve any person of any obligation to comply with any provision of any applicable statute,

regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the sewage Works; or

(b) limit in any way the authority of the Ministry to require certain steps be taken to require the Owner to furnish any further information related to compliance with this Approval.

2. EXPIRY OF APPROVAL

(1) This Approval will cease to apply to those parts of the Works which have not been constructed within **five (5) years** of the date of this Approval.

3. CHANGE OF OWNER

(1) The Owner shall notify the Director, in writing, of any of the following changes within **thirty (30) days** of the change occurring:

(a) change of Owner;

(b) change of address of the Owner;

(c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c. B17 shall be included in the notification to the Director;

(d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the Director.

(2) In the event of any change in ownership of the Works, other than a change in ownership to the municipal, i.e. assumption of the Works, the Owner shall notify the succeeding owner in writing of the existence of this Approval.

4. TEMPORARY EROSION AND SEDIMENT CONTROL

(1) The Owner shall install and maintain temporary sediment and erosion control measures during construction and conduct inspections once every **two (2) weeks** and after each significant storm event (a significant storm event is defined as a minimum of 25 mm of rain in any 24 hours period). The inspections and maintenance of the temporary sediment and erosion control measures shall continue until they are no longer required and at which time they shall be removed and all disturbed areas reinstated properly.

(2) The Owner shall maintain records of inspections and maintenance which shall be made available for inspection by the Ministry, upon request. The record shall include the name of the inspector, date of inspection, and the remedial measures, if any, undertaken to maintain the temporary sediment and erosion control measures.

5. RECORD KEEPING

The Owner shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Approval.

Schedule "A"

1. Application for Environmental Compliance Approval, dated August 5, 2015 and received on November 23, 2015, submitted by The City of Ottawa;

2. Copy of a letter from Jennifer Ailey of David Schaeffer Engineering Ltd. to the City of Ottawa, dated July 31, 2015 and revised November 10, 2015;

3. E-mail from Anthony Temelini of David Schaeffer Engineering Ltd. to the Ministry, dated July 15, 2015;

4. Plan titled Eden Park Concept No. 38, dated April 6, 2015, prepared by Annis, O'Sullivan, Vollebekk Ltd.;

5. Erosion and Sediment Control Plans 1, 2 and 3, dated November 10, 2015, prepared by David Schaeffer Engineering Ltd.;

6. Copy of an e-mail from Jocelyn Chandler of Rideau Valley Conservation Authority to the City of Ottawa, dated September 29, 2015;

7. two (2) e-mails from Jennifer Ailey of David Schaeffer Engineering Ltd. to the Ministry, dated December 15, 2015 and Dec 17, 2015, respectively;

8. Calculation sheets for Time of Concentrate Estimate, Ditch Flows, Sediment Control Pond Sizing, Peak Flows, prepared by David Schaeffer Engineering Ltd.;

9. E-mail from Jennifer Ailey of David Schaeffer Engineering Ltd. to the Ministry, dated January 22, 2016; and

10. E-mail from Jennifer Ailey of David Schaeffer Engineering Ltd. to the Ministry, dated February 22, 2016.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This Condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.

3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that any subsequent Owner of the Works is made aware of the Approval and continue to operate the Works in compliance with it.

4. Condition 4 is included as installation, regular inspection and maintenance of the temporary sediment and erosion control measures is required to mitigate the impact on the downstream receiving watercourse during construction, until they are no longer required.

5. Condition 5 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the Works.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment and
Climate Change

Toronto, Ontario
M5G 1E5

135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 23rd day of February, 2016

Gregory Zimmer, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

DC/
c: District Manager, MOECC Ottawa office
Jennifer Ailey, P.Eng., David Schaeffer Enginering Ltd.

Ontario

Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 6667-7P8R2K
Issue Date: February 13, 2009

Claridge Homes (Carson) Inc.
210 Gladstone Ave, No. Suite 2001
Ottawa, Ontario
K2P 0M6

Site Location: Renaud Road Urbanization Works
Renaud Road, East Urban Community
Ottawa City, Ontario

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

storm and sanitary sewers to be constructed on Renaud Road municipal right-of way, in the City of Ottawa;

all in accordance with the application from Claridge Homes (Carson) Inc., dated October 29, 2008, including final plans and specifications prepared by Stantec Consulting Ltd.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 101 of the Ontario Water Resources Act , R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 13th day of February, 2009

Zafar Bhatti

Zafar Bhatti, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

MC/

c: District Manager, MOE Ottawa
Charles Warnock, Program Manager, City of Ottawa
Tim Wilkie, Stantec Consulting Ltd.

Pages 27 to / à 32

are not relevant

sont non pertinentes

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 5712-B65KDA
Issue Date: November 6, 2018

Richcraft Homes Ltd.
2280 St. Laurent Boulevard, Unit 201
Ottawa, Ontario
K1G 4K1

Site Location: Trailsedge East Subdivision
6429 Renaud Road
Part of Lots 2 and 3, Concession 3 (Ottawa Front)
City of Ottawa, Ontario

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

the establishment of wastewater infrastructure Works located in the City of Ottawa, consisting of the following:

- **sanitary sewers** on Couloir Road (from Station 0+0055 to Station 0+499.7), Arete Way (from Station 0+014.2 to Station 0+060), Verglas Lane (from Station 0+060 to Station 0+272.5), Ascender Avenue (from Station 0+023.5 to Station 0+575.6), Crevasse Street (from Station 0+047.8 to Station 0+536.5), Gendarme Circle (from Station 0+009 to Station 0+356.6), Bergschrund Walk (from Station 0+009 to Station 0+92.74), Cairn Street (from Station 0+092.74 to Station 0+255.5 and Station 0+333.7 to Station 0+503.4), Cornice Street (from Station 0+000 to Station 0+418.8 and Station 0+434.5 to Station 0+477), Cordelette Street (from Station 0+009 to Station 0+177.3 and Station 0+261.1 to Station 0+433), Street 24 (from Station 0+014.2 to Station 0+060.5), and Street 3 (from Station 0+013 to Station 0+031), discharging to existing sanitary sewers, located on Fern Casey Street; and

- **storm sewers** on Couloir Road (from Station 0+0056 to Station 0+497.8), Arete Way (from Station 0+011.7 to Station 0+060), Verglas Lane (from Station 0+060 to Station 0+270.5), Ascender Avenue (from Station 0+023.5 to Station 0+561.6, Crevasse Street (from Station 0+047.6 to Station 0+536.5), Gendarme Circle (from Station 0+011.5 to Station 0+354.1), Bergschrund Walk (from Station 0+006.4 to Station 0+92.74), Cairn Street (from Station 0+092.74 to Station 0+264.1 and Station 0+333.8 to Station 0+503.4), Cornice Street (from Station 0+000 to Station 0+421.3 and Station 0+432.5 to Station 0+477.9), Cordelette Street (from Station 0+010.5 to Station 0+178.4 and Station 0+260.2 to Station 0+433), Street 24 (from Station 0+011.7 to Station 0+060.5), and Street 3 (from Station 0+010.9 to Station 0+031), discharging to existing storm sewers, located on Fern Casey Street;

including erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted application and supporting documents listed in Schedule "A" forming part of this approval.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this entire document and any schedules attached to it, and the application;

2. "Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of Part II.1 of the EPA;

3. "District Manager" means the District Manager of the appropriate local District Office of the Ministry, where the Works are geographically located;

4. "EPA" means the *Environmental Protection Act,* R.S.O. 1990, c.E.19, as amended;

5. "Ministry" means the ministry of the government of Ontario responsible for the EPA and OWRA and includes all officials, employees or other persons acting on its behalf;

6. "Owner" means Richcraft Homes Ltd., and includes its successors and assignees;

7. "OWRA" means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended;

8. "Works" means the sewage Works described in the Owner's application, and this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL CONDITIONS

1. The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

2. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.

3. Where there is a conflict between a provision of any document in the schedule referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.

4. Where there is a conflict between the documents listed in Schedule "A" and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

5. The conditions of this Approval are severable. If any condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

1. This Approval will cease to apply to those parts of the Works which have not been constructed within five (5) years of the date of this Approval.

2. In the event that completion and commissioning of any portion of the Works is anticipated to be delayed beyond the specified expiry period, the Owner shall submit an application of extension to the expiry period, at least twelve (12) months prior to the end of the period. The application for extension shall include the reason(s) for the delay, whether there is any design change(s) and a review of whether the standards applicable at the time of Approval of the Works are still applicable at the time of request for extension, to ensure the ongoing protection of the environment.

3. CHANGE OF OWNER

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

    a. change of Owner;

    b. change of address of the Owner;

    c. change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act,* R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; or

    d. change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.

2. In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.

3. The Owner shall ensure that all communications made pursuant to this condition refer to the number at the top of this Approval.

4. OPERATION AND MAINTENANCE

1. If applicable, any proposed storm sewers or other stormwater conveyance in this Approval can be constructed but not operated until the proposed stormwater management facilities in this Approval or any other Approval that are designed to service the storm sewers or other stormwater conveyance are in operation.

Schedule "A"

1. Application for Environmental Compliance Approval, dated September 12, 2018, received on October 24, 2018, submitted by Richcraft Homes Ltd.;

2. Transfer of Review Letter of Recommendation, dated November 1, 2018 and signed by Joshua White, P.Eng., Senior Engineer - Infrastructure Applications, Development Review, East Branch, Planning, Infrastructure and Economic Development Department, City of Ottawa;

    a. Final Plans and Specifications prepared by Stantec Consulting Ltd.

    b. Pipe Data Form - Watermain, Storm Sewer, Sanitary Sewer, and Forcemain Design Supplement to Application for Approval for Water and Sewage Works.

    c. Hydraulic Design Sheets prepared by Stantec Consulting Ltd.

3. Emails dated October 31, 2018 and November 1, 2018 from Joshua White, P.Eng., Senior Engineer - Infrastructure Applications, Development Review, East Branch, Planning, Infrastructure and Economic Development Department, City of Ottawa to Florence Poon, MECP.

4. Email dated November 1, 2018 from Cameron Odam, Engineering Intern, Stantec Consulting Ltd. to Florence Poon, MECP.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are constructed and operated in the manner in which they were described and upon which approval was granted. This condition is also included to emphasize the precedence of conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.

3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to the approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.

4. Condition 4 is included to prevent the operation of stormwater pipes and other conveyance until such time that their required associated stormwater management Works are also constructed.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the**

Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 6th day of November, 2018

C. Labarge

Christina Labarge, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

FP/

c: District Manager, MECP Ottawa
Clerk, City of Ottawa (File No. D07-16-16-0021)
Joshua White, P.Eng., Senior Engineer, City of Ottawa
Peter McKay, Infrastructure Renewal Program Manager, City of Ottawa
Phil Castro, Manager Land Development, Richcraft Homes Ltd.
Dustin Thiffault, P.Eng., Stantec Consulting Ltd.

Ontario

Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement climatique

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 6566-A7AMSG
Issue Date: February 23, 2016

Richcraft Homes Ltd.
2280 St. Laurent Boulevard, Suite 201
Ottawa, Ontario
K1G 4K1

Site Location: Trails Edge East
Part of Lot 1, 2, and 3, Concession 3 (Gloucester)
East Urban Community
City of Ottawa

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

establishment of temporary drainage facilities for the earthworks program related to the development of the Trails Edge East subdivision, located north of Renaud Road (Fourth Line), west of Mer Bleue Road, east of Belcourt Boulevard and south of Brian Coburn Boulevard Extension, for the collection, treatment and disposal of stormwater run-off, providing Enhanced Level water quality control and erosion protection, consisting of the following:

temporary sediment basin (catchment area 29.8 hectares): - one (1) sediment pond with sediment forebay and turbidity curtain, having a permanent pool volume of 3,744 m^3 and an extended detention volume of 4,093 m^3 at a total depth of approximately 1.8 m, located within the future Park Block, receiving inflow from three (3) temporary cut-off swales and discharging via an outlet ditch to existing Mud Creek diversion ditch and Mud Creek channel to East Urban Community stormwater management Pond 1 located east of Page Road on Mud Creek;

temporary clean water diversion ditch around the exterior perimeter of the proposed development discharging to the Mud Creek channel;

including erosion/sedimentation control measures during construction and all other controls, electrical equipment, instrumentation, piping, valves and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted supporting documents listed in Schedule "A" forming part of this Approval.

For the purpose of this environmental compliance approval, the following definitions apply:

"Approval" means this entire document including the application and any supporting documents listed in any schedules in this Approval;

"Director" means a person appointed by the Minister pursuant to section 5 of the Environmental Protection Act for the purposes of Part II.1 of the Environmental Protection Act;

"Ministry" means the ministry of the government of Ontario responsible for the Environmental Protection Act and the Ontario Water Resources Act and includes all officials, employees or other persons acting on its behalf;

"Owner" means Richcraft Homes Ltd. and includes their successors and assignees;

"Works" means the sewage works described in the Owner's application(s) and this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

(1) The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the Conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

(2) Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.

(3) Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

(4) Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

(5) The Conditions of this Approval are severable. If any Condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such Condition to other circumstances and the remainder of this Approval shall not be affected thereby.

(6) The issuance of, and compliance with the Conditions of this Approval does not:

(a) relieve any person of any obligation to comply with any provision of any applicable statute,

regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the sewage Works; or

(b) limit in any way the authority of the Ministry to require certain steps be taken to require the Owner to furnish any further information related to compliance with this Approval.

2. EXPIRY OF APPROVAL

(1) This Approval will cease to apply to those parts of the Works which have not been constructed within **five (5) years** of the date of this Approval.

3. CHANGE OF OWNER

(1) The Owner shall notify the Director, in writing, of any of the following changes within **thirty (30) days** of the change occurring:

(a) change of Owner;

(b) change of address of the Owner;

(c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c. B17 shall be included in the notification to the Director;

(d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the Director.

(2) In the event of any change in ownership of the Works, other than a change in ownership to the municipal, i.e. assumption of the Works, the Owner shall notify the succeeding owner in writing of the existence of this Approval.

4. TEMPORARY EROSION AND SEDIMENT CONTROL

(1) The Owner shall install and maintain temporary sediment and erosion control measures during construction and conduct inspections once every **two (2) weeks** and after each significant storm event (a significant storm event is defined as a minimum of 25 mm of rain in any 24 hours period). The inspections and maintenance of the temporary sediment and erosion control measures shall continue until they are no longer required and at which time they shall be removed and all disturbed areas reinstated properly.

(2) The Owner shall maintain records of inspections and maintenance which shall be made available for inspection by the Ministry, upon request. The record shall include the name of the inspector, date of inspection, and the remedial measures, if any, undertaken to maintain the temporary sediment and

erosion control measures.

5. RECORD KEEPING

The Owner shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Approval.

Schedule "A"

1. Application for Environmental Compliance Approval, dated August 5, 2015 and received on November 23, 2015, submitted by The City of Ottawa;

2. Copy of a letter from Jennifer Ailey of David Schaeffer Engineering Ltd. to the City of Ottawa, dated July 31, 2015 and revised November 10, 2015;

3. E-mail from Anthony Temelini of David Schaeffer Engineering Ltd. to the Ministry, dated July 15, 2015;

4. Plan titled Eden Park Concept No. 38, dated April 6, 2015, prepared by Annis, O'Sullivan, Vollebekk Ltd.;

5. Erosion and Sediment Control Plans 1, 2 and 3, dated November 10, 2015, prepared by David Schaeffer Engineering Ltd.;

6. Copy of an e-mail from Jocelyn Chandler of Rideau Valley Conservation Authority to the City of Ottawa, dated September 29, 2015;

7. two (2) e-mails from Jennifer Ailey of David Schaeffer Engineering Ltd. to the Ministry, dated December 15, 2015 and Dec 17, 2015, respectively;

8. Calculation sheets for Time of Concentrate Estimate, Ditch Flows, Sediment Control Pond Sizing, Peak Flows, prepared by David Schaeffer Engineering Ltd.;

9. E-mail from Jennifer Ailey of David Schaeffer Engineering Ltd. to the Ministry, dated January 22, 2016; and

10. E-mail from Jennifer Ailey of David Schaeffer Engineering Ltd. to the Ministry, dated February 22, 2016.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This Condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.

3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that any subsequent Owner of the Works is made aware of the Approval and continue to operate the Works in compliance with it.

4. Condition 4 is included as installation, regular inspection and maintenance of the temporary sediment and erosion control measures is required to mitigate the impact on the downstream receiving watercourse during construction, until they are no longer required.

5. Condition 5 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the Works.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment and
Climate Change

Toronto, Ontario
M5G 1E5

135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 23rd day of February, 2016

Gregory Zimmer, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

DC/
c: District Manager, MOECC Ottawa office
Jennifer Ailey, P.Eng., David Schaeffer Enginering Ltd.

Ontario

Ministry of the Environment
Ministère de l'Environnement

PERMIT TO TAKE WATER
Surface and Ground Water
NUMBER 8534-9J8NZV

Pursuant to Section 34 of the Ontario Water Resources Act, R.S.O. 1990 this Permit To Take Water is hereby issued to:

Minto Communities Inc.
Suite 200 - 180 Kent Street
Ottawa, Ontario
K1P 0B6
Canada

For the water taking from: Site Servicing & Excavations S1, S2, S3, S4, S5, S6, S8, S9, S10, S11, S12, S14, S15, S16, S18 and S19
and
Unnamed Tributaries To Green's Creek: Diversions S7, S13, S17, S20

Located at: 6211-6429 Renaud Rd
Ottawa

3828 Innes Rd
Ottawa

For the purposes of this Permit, and the terms and conditions specified below, the following definitions apply:

DEFINITIONS

(a) "Director" means any person appointed in writing as a Director pursuant to section 5 of the OWRA for the purposes of section 34, OWRA.

(b) "Provincial Officer" means any person designated in writing by the Minister as a Provincial Officer pursuant to section 5 of the OWRA.

(c) "Ministry" means Ontario Ministry of the Environment.

(d) "District Office" means the Ottawa District Office.

(e) "Permit" means this Permit to Take Water No. 8534-9J8NZV including its Schedules, if any,

issued in accordance with Section 34 of the OWRA.

(f) "Permit Holder" means Minto Communities Inc..

(g) "OWRA " means the *Ontario Water Resources Act,* R.S.O. 1990, c. O. 40, as amended.

You are hereby notified that this Permit is issued subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. Compliance with Permit

1.1 Except where modified by this Permit, the water taking shall be in accordance with the application for this Permit To Take Water, dated January 17, 2014 and signed by J. Stirling and Brent Strachan, and all Schedules included in this Permit.

1.2 The Permit Holder shall ensure that any person authorized by the Permit Holder to take water under this Permit is provided with a copy of this Permit and shall take all reasonable measures to ensure that any such person complies with the conditions of this Permit.

1.3 Any person authorized by the Permit Holder to take water under this Permit shall comply with the conditions of this Permit.

1.4 This Permit is not transferable to another person.

1.5 This Permit provides the Permit Holder with permission to take water in accordance with the conditions of this Permit, up to the date of the expiry of this Permit. This Permit does not constitute a legal right, vested or otherwise, to a water allocation, and the issuance of this Permit does not guarantee that, upon its expiry, it will be renewed.

1.6 The Permit Holder shall keep this Permit available at all times at or near the site of the taking, and shall produce this Permit immediately for inspection by a Provincial Officer upon his or her request.

1.7 The Permit Holder shall report any changes of address to the Director within thirty days of any such change. The Permit Holder shall report any change of ownership of the property for which this Permit is issued within thirty days of any such change. A change in ownership in the property shall cause this Permit to be cancelled.

2. General Conditions and Interpretation

2.1 Inspections
The Permit Holder must forthwith, upon presentation of credentials, permit a Provincial Officer to carry out any and all inspections authorized by the OWRA, the *Environmental Protection Act* , R.S.O. 1990, the *Pesticides Act* , R.S.O. 1990, or the *Safe Drinking Water Act,* S. O. 2002.

2.2 Other Approvals

The issuance of, and compliance with this Permit, does not:

(a) relieve the Permit Holder or any other person from any obligation to comply with any other applicable legal requirements, including the provisions of the *Ontario Water Resources Act* , and the *Environmental Protection Act* , and any regulations made thereunder; or

(b) limit in any way any authority of the Ministry, a Director, or a Provincial Officer, including the authority to require certain steps be taken or to require the Permit Holder to furnish any further information related to this Permit.

2.3 Information

The receipt of any information by the Ministry, the failure of the Ministry to take any action or require any person to take any action in relation to the information, or the failure of a Provincial Officer to prosecute any person in relation to the information, shall not be construed as:

(a) an approval, waiver or justification by the Ministry of any act or omission of any person that contravenes this Permit or other legal requirement; or

(b) acceptance by the Ministry of the information's completeness or accuracy.

2.4 Rights of Action

The issuance of, and compliance with this Permit shall not be construed as precluding or limiting any legal claims or rights of action that any person, including the Crown in right of Ontario or any agency thereof, has or may have against the Permit Holder, its officers, employees, agents, and contractors.

2.5 Severability

The requirements of this Permit are severable. If any requirements of this Permit, or the application of any requirements of this Permit to any circumstance, is held invalid or unenforceable, the application of such requirements to other circumstances and the remainder of this Permit shall not be affected thereby.

2.6 Conflicts

Where there is a conflict between a provision of any submitted document referred to in this Permit, including its Schedules, and the conditions of this Permit, the conditions in this Permit shall take precedence.

3. Water Takings Authorized by This Permit

3.1 **Expiry**

This Permit expires on **June 30, 2017**. No water shall be taken under authority of this Permit after the expiry date.

3.2 Amounts of Taking Permitted

The Permit Holder shall only take water from the source, during the periods and at the rates and amounts of taking specified in Table A. Water takings are authorized only for the purposes specified in Table A.

Table A

	Source Name / Description:	Source: Type:	Taking Specific Purpose:	Taking Major Category:	Max. Taken per Minute (litres):	Max. Num. of Hrs Taken per Day:	Max. Taken per Day (litres):	Max. Num. of Days Taken per Year:	Zone/ Easting/ Northing:
1	Site Servicing (S1)	Pond Dugout	Construction	Dewatering Construction	10,000	24	6,000,000	265	18 460327 5031267
2	Site Servicing (S2)	Pond Dugout	Construction	Dewatering Construction	2,800	24	250,000	120	18 460304 5031411
3	Excavation (S3)	Pond Dugout	Construction	Dewatering Construction	2,800	24	250,000	265	18 460304 5031411
4	Site Servicing (S4)	Pond Dugout	Construction	Dewatering Construction	2,800	24	250,000	90	18 460196 5031294
5	Excavation (5)	Pond Dugout	Construction	Dewatering Construction	2,800	24	500,000	150	18 460173 5031338
6	Site Servicing (S6)	Pond Dugout	Construction	Dewatering Construction	2,800	24	250,000	90	18 460385 5031466
7	Unnamed Tributary To Green's Creek - Diversion (S7)	Stream	Construction	Dewatering Construction	120,000	24	140,000,000	265	18 460335 5031549
8	Excavation (S8)	Pond Dugout	Construction	Dewatering Construction	2,800	24	500,000	150	18 460335 5031549
9	Excavation (S9)	Pond Dugout	Construction	Dewatering Construction	2,800	24	500,000	150	18 460265 5031495
10	Site Servicing (S10)	Pond Dugout	Construction	Dewatering Construction	2,800	24	250,000	120	18 460279 5031585
11	Excavation (S11)	Pond Dugout	Construction	Dewatering Construction	2,800.0	24	250,000	210	18 460279 5031585
12	Excavation (S12)	Pond Dugout	Construction	Dewatering Construction	2,800	24	250,000	180	18 460000 5031264
13	Unnamed Tributary To Green's Creek	Stream	Construction	Dewatering Construction	120,000	24	140,000,000	265	18 460000 5031265

	- Diversion (S13)								
14	Site Servicing (S14)	Pond Dugout	Construction	Dewatering Construction	2,800	24	250,000	90	18 459999 5031206
15	Excavation (S15)	Pond Dugout	Construction	Dewatering Construction	2,800	24	250,000	265	18 459999 5031206
16	Excavation (S16)	Pond Dugout	Construction	Dewatering Construction	2,800	24	750,000	265	18 459643 5031360
17	Unnamed Tributary To Green's Creek - Diversion (S17)	Stream	Construction	Dewatering Construction	120,000	24	140,000,000	265	18 459643 5031360
18	Excavation (S18)	Pond Dugout	Construction	Dewatering Construction	2,800	24	250,000	150	18 460652 5031653
19	Excavation (S19)	Pond Dugout	Construction	Dewatering Construction	2,800	24	250,000	265	18 460152 5031676
20	Unnamed Tributary To Green's Creek - Diversion (S20)	Stream	Construction	Dewatering Construction	120,000	24	140,000,000	150	18 460265 5031495
						Total Taking:	140,000,000		

4. Monitoring

4.1 The Permit Holder shall maintain a record of all water takings. This record shall include the dates and times of water takings, the rates of taking, and an estimated calculation of the total amounts of water taken per day for each day that water is taken under the authorization of this Permit. A separate record shall be maintained for each source. The Permit Holder shall keep all required records up to date and available at or near the site of the taking and shall produce the records immediately for inspection by a Provincial Officer upon his or her request.

5. Impacts of the Water Taking

5.1 Notification

The Permit Holder shall immediately notify the local District Office of any complaint arising from the taking of water authorized under this Permit and shall report any action which has been taken or is proposed with regard to such complaint. The Permit Holder shall immediately notify the local District Office if the taking of water is observed to have any significant impact on the surrounding waters. After hours, calls shall be directed to the Ministry's Spills Action Centre at 1-800-268-6060.

5.2 For Surface-Water Takings

The taking of water (including the taking of water into storage and the subsequent or simultaneous withdrawal from storage) shall be carried out in such a manner that streamflow is not stopped and is not reduced to a rate that will cause interference with downstream uses of water or with the natural functions of the stream.

For Groundwater Takings

If the taking of water is observed to cause any negative impact to other water supplies obtained from any adequate sources that were in use prior to initial issuance of a Permit for this water taking, the Permit Holder shall take such action necessary to make available to those affected, a supply of water equivalent in quantity and quality to their normal takings, or shall compensate such persons for their reasonable costs of so doing, or shall reduce the rate and amount of taking to prevent or alleviate the observed negative impact. Pending permanent restoration of the affected supplies, the Permit Holder shall provide, to those affected, temporary water supplies adequate to meet their normal requirements, or shall compensate such persons for their reasonable costs of doing so.

If permanent interference is caused by the water taking, the Permit Holder shall restore the water supplies of those permanently affected.

5.3 Prevention of Adverse Effects

The Permit Holder shall ensure the taking of water under authority of this Permit does not result in an adverse effect on area waters.

5.4 Prevention of Structural Adverse Effects

The Permit Holder shall take all measures necessary to prevent damage to buildings, bridges, structures, roads and/or railway lines that may be impacted either directly or indirectly by this taking.

5.5 Discharge Control Measures

The discharge of water shall be controlled in such a way as to avoid erosion and sedimentation in the receiving stream.

5.6 The Permit Holder shall ensure that any water discharged to the natural environment does not result in scouring, erosion or physical alteration of stream channels or banks and that there is no flooding in the receiving area or water body, downstream water bodies, ditches or properties caused or worsened by this discharge.

5.7 Any discharge of water to the land surface shall use a multi-barrier approach to control erosion and runoff prior the discharge water re-entering the watercourse.

5.8 The Permit Holder shall not discharge turbid water to any watercourse. Turbid water shall be defined as any discharge water or diverted water with a maximum increase of 5 NTUs above the receiving stream's background levels.

5.9 Siltation control measures shall be installed at the discharge site(s) and shall be sufficient to control the volumes. Continuous care shall be taken to properly maintain the siltation control devices.

5.10 The Permit Holder shall obtain an approval issued by the City of Ottawa for any discharge to the City's sanitary or storm sewer system.

6. Director May Amend Permit

The Director may amend this Permit by letter requiring the Permit Holder to suspend or reduce the taking to an amount or threshold specified by the Director in the letter. The suspension or reduction in taking shall be effective immediately and may be revoked at any time upon notification by the Director. This condition does not affect your right to appeal the suspension or reduction in taking to the Environmental Review Tribunal under the *Ontario Water Resources Act* , Section 100 (4).

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is included to ensure that the conditions in this Permit are complied with and can be enforced.

2. Condition 2 is included to clarify the legal interpretation of aspects of this Permit.

3. Conditions 3 through 6 are included to protect the quality of the natural environment so as to safeguard the ecosystem and human health and foster efficient use and conservation of waters. These conditions allow for the beneficial use of waters while ensuring the fair sharing, conservation and sustainable use of the waters of Ontario. The conditions also specify the water takings that are authorized by this Permit and the scope of this Permit.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, you may by written notice served upon me, the Environmental Review Tribunal and the Environmental Commissioner, ***Environmental Bill of Rights****, R.S.O. 1993, Chapter 28, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 101 of the Ontario Water Resources Act, as amended provides that the Notice requiring a hearing shall state:*

1. The portions of the Permit or each term or condition in the Permit in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

In addition to these legal requirements, the Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Permit to Take Water number;
6. The date of the Permit to Take Water;
7. The name of the Director;
8. The municipality within which the works are located;

This notice must be served upon:

The Secretary *Environmental Review Tribunal* *655 Bay Street, 15th Floor* *Toronto ON* *M5G 1E5* *Fax: (416) 314-4506* *Email:* *ERTTribunalsecretary@ontario.ca*	*AND*	*The Environmental Commissioner* *1075 Bay Street* *6th Floor, Suite 605* *Toronto, Ontario M5S 2W5*	*AND*	*The Director, Section 34* *Ministry of the Environment* *1259 Gardiners Rd, PO Box 22032* *Kingston, ON* *K7P 3J6*

Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal:

by telephone at (416) 314-4600 ***by fax at (416) 314-4506*** ***by e-mail at www.ert.gov.on.ca***

This instrument is subject to Section 38 of the ***Environmental Bill of Rights*** *that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek to appeal for 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry, you can determine when the leave to appeal period ends.*

Dated at Kingston this 14th day of May, 2014.

Gillian Dagg-Foster
Director, Section 34
Ontario Water Resources Act , R.S.O. 1990

Schedule A

This Schedule "A" forms part of Permit To Take Water 8534-9J8NZV, dated May 14, 2014.

PERMIT TO TAKE WATER
Ground Water
NUMBER 3400-AU7SLU

Pursuant to Section 34.1 of the Ontario Water Resources Act, R.S.O. 1990 this Permit To Take Water is hereby issued to:

Richcraft Homes Ltd.
Suite 201 - 2280 St. Laurent Blvd
Ottawa, Ontario, K1G 4K1
Canada

For the water taking from: Site Servicing & Building Excavations
Temporary Storage Basin Ponds

Located at: Part 123, Reference Plan 3
Ottawa

For the purposes of this Permit, and the terms and conditions specified below, the following definitions apply:

DEFINITIONS

(a) "Director" means any person appointed in writing as a Director pursuant to section 5 of the OWRA for the purposes of section 34.1, OWRA.

(b) "Provincial Officer" means any person designated in writing by the Minister as a Provincial Officer pursuant to section 5 of the OWRA.

(c) "Ministry" means Ontario Ministry of the Environment and Climate Change.

(d) "District Office" means the Ottawa District Office.

(e) "Permit" means this Permit to Take Water No. 3400-AU7SLU including its Schedules, if any, issued in accordance with Section 34.1 of the OWRA.

(f) "Permit Holder" means Richcraft Homes Ltd..

(g) "OWRA " means the *Ontario Water Resources Act,* R.S.O. 1990, c. O. 40, as amended.

You are hereby notified that this Permit is issued subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. Compliance with Permit

1.1 Except where modified by this Permit, the water taking shall be in accordance with the application for this Permit To Take Water, dated October 26, 2017 and signed by Steve Grandmont, and all Schedules included in this Permit.

1.2 The Permit Holder shall ensure that any person authorized by the Permit Holder to take water under this Permit is provided with a copy of this Permit and shall take all reasonable measures to ensure that any such person complies with the conditions of this Permit.

1.3 Any person authorized by the Permit Holder to take water under this Permit shall comply with the conditions of this Permit.

1.4 This Permit is not transferable to another person.

1.5 This Permit provides the Permit Holder with permission to take water in accordance with the conditions of this Permit, up to the date of the expiry of this Permit. This Permit does not constitute a legal right, vested or otherwise, to a water allocation, and the issuance of this Permit does not guarantee that, upon its expiry, it will be renewed.

1.6 The Permit Holder shall keep this Permit available at all times at or near the site of the taking, and shall produce this Permit immediately for inspection by a Provincial Officer upon his or her request.

1.7 The Permit Holder shall report any changes of address to the Director within thirty days of any such change. The Permit Holder shall report any change of ownership of the property for which this Permit is issued within thirty days of any such change. A change in ownership in the property shall cause this Permit to be cancelled.

2. General Conditions and Interpretation

2.1 Inspections

The Permit Holder must forthwith, upon presentation of credentials, permit a Provincial Officer to carry out any and all inspections authorized by the OWRA, the *Environmental Protection Act* , R.S.O. 1990, the *Pesticides Act* , R.S.O. 1990, or the *Safe Drinking Water Act,* S. O. 2002.

2.2 Other Approvals

The issuance of, and compliance with this Permit, does not:

(a) relieve the Permit Holder or any other person from any obligation to comply with any other applicable legal requirements, including the provisions of the *Ontario Water Resources Act* , and the *Environmental Protection Act* , and any regulations made thereunder; or

(b) limit in any way any authority of the Ministry, a Director, or a Provincial Officer, including the authority to require certain steps be taken or to require the Permit Holder to furnish any further information related to this Permit.

2.3 Information

The receipt of any information by the Ministry, the failure of the Ministry to take any action or require any person to take any action in relation to the information, or the failure of a Provincial Officer to prosecute any person in relation to the information, shall not be construed as:

(a) an approval, waiver or justification by the Ministry of any act or omission of any person that contravenes this Permit or other legal requirement; or

(b) acceptance by the Ministry of the information's completeness or accuracy.

2.4 Rights of Action

The issuance of, and compliance with this Permit shall not be construed as precluding or limiting any legal claims or rights of action that any person, including the Crown in right of Ontario or any agency thereof, has or may have against the Permit Holder, its officers, employees, agents, and contractors.

2.5 Severability

The requirements of this Permit are severable. If any requirements of this Permit, or the application of any requirements of this Permit to any circumstance, is held invalid or unenforceable, the application of such requirements to other circumstances and the remainder of this Permit shall not be affected thereby.

2.6 Conflicts

Where there is a conflict between a provision of any submitted document referred to in this Permit, including its Schedules, and the conditions of this Permit, the conditions in this Permit shall take precedence.

3. Water Takings Authorized by This Permit

3.1 **Expiry**

This Permit expires on **December 21, 2025**. No water shall be taken under authority of this Permit after the expiry date.

3.2 Amounts of Taking Permitted

The Permit Holder shall only take water from the source, during the periods and at the rates and amounts of taking specified in Table A. Water takings are authorized only for the purposes specified in Table A.

Table A

	Source Name / Description:	Source: Type:	Taking Specific Purpose:	Taking Major Category:	Max. Taken per Minute (litres):	Max. Num. of Hrs Taken per Day:	Max. Taken per Day (litres):	Max. Num. of Days Taken per Year:	Zone/ Easting/ Northing:
1	Site Servicing & Building Excavations	Pond Dugout	Construction	Dewatering Construction	5,600	24	2,000,000	365	18 460925 5031830
2	Temporary Storage Basin Ponds	Pond Dugout	Construction	Dewatering Construction	8,400	24	3,000,000	120	18 460730 5031810
						Total Taking:	5,000,000		

4. Monitoring

4.1 The Permit Holder shall maintain a record of all water takings. This record shall include the dates and times of water takings, the rates of taking, and an estimated calculation of the total amounts of water taken per day for each day that water is taken under the authorization of this Permit. A separate record shall be maintained for each source. The Permit Holder shall keep all required records up to date and available at or near the site of the taking and shall produce the records immediately for inspection by a Provincial Officer upon his or her request.

5. Impacts of the Water Taking

5.1 Notification

The Permit Holder shall immediately notify the local District Office of any complaint arising from the taking of water authorized under this Permit and shall report any action which has been taken or is proposed with regard to such complaint. The Permit Holder shall immediately notify the local District Office if the taking of water is observed to have any significant impact on the surrounding waters. After hours, calls shall be directed to the Ministry's Spills Action Centre at 1-800-268-6060.

5.2 For Groundwater Takings

If the taking of water is observed to cause any negative impact to other water supplies obtained from any adequate sources that were in use prior to initial issuance of a Permit for this water taking, the Permit Holder shall take such action necessary to make available to those affected, a supply of water equivalent in quantity and quality to their normal takings, or shall compensate such persons for their reasonable costs of so doing, or shall reduce the rate and amount of taking to prevent or alleviate the observed negative impact. Pending permanent restoration of the affected supplies, the Permit Holder shall provide, to those affected, temporary water supplies adequate to meet their normal requirements, or shall compensate such persons for their reasonable costs of doing so.

If permanent interference is caused by the water taking, the Permit Holder shall restore the water supplies of those permanently affected.

5.3 Prevention of Adverse Effects:

The Permit Holder shall ensure the taking of water under authority of this Permit does not result in an adverse effect on area waters.

5.4 Prevention of Structural Adverse Effects:

The Permit Holder shall take all measures necessary to prevent damage to buildings, bridges, structures, roads and/or railway lines that may be impacted either directly or indirectly by this taking.

5.5 Discharge Control Measures for Water that is Discharged to the Natural Environment:

Siltation control measures shall be installed at the discharge site(s) and shall be sufficient to control the volumes. Continuous care shall be taken to properly maintain the siltation control devices.

5.6 The discharge of water shall be to a well vegetated area, as far as possible from any surface water course, to promote infiltration.

5.7 The discharge of water shall be controlled in such a way as to avoid erosion and sedimentation in the receiving stream.

5.8 The Permit Holder shall ensure that any water discharged to the natural environment does not result in scouring, erosion or physical alteration of stream channels or banks and that there is no flooding in the receiving area or water body, downstream water bodies, ditches or properties caused or worsened by this discharge.

5.9 The Permit Holder shall not discharge turbid water to Mud Creek or any watercourse. Turbid water shall be defined as any discharge water from the excavation or diverted water with a maximum increase of 8 NTUs above the receiving stream's background levels.

6. Director May Amend Permit

The Director may amend this Permit by letter requiring the Permit Holder to suspend or reduce the taking to an amount or threshold specified by the Director in the letter. The suspension or reduction in taking shall be effective immediately and may be revoked at any time upon notification by the Director. This condition does not affect your right to appeal the suspension or reduction in taking to the Environmental Review Tribunal under the *Ontario Water Resources Act* , Section 100 (4).

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is included to ensure that the conditions in this Permit are complied with and can be enforced.

2. Condition 2 is included to clarify the legal interpretation of aspects of this Permit.

3. Conditions 3 through 6 are included to protect the quality of the natural environment so as to safeguard the ecosystem and human health and foster efficient use and conservation of waters. These conditions allow for the beneficial use of waters while ensuring the fair sharing, conservation and sustainable use of the waters of Ontario. The conditions also specify the water takings that are authorized by this Permit and the scope of this Permit.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, you may by written notice served upon me, the Environmental Review Tribunal and the Environmental Commissioner, ***Environmental Bill of Rights****, R.S.O. 1993, Chapter 28, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 101 of the Ontario Water Resources Act, as amended provides that the Notice requiring a hearing shall state:*

1. The portions of the Permit or each term or condition in the Permit in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

In addition to these legal requirements, the Notice should also include:

a. The name of the appellant;
b. The address of the appellant;
c. The Permit to Take Water number;
d. The date of the Permit to Take Water;
e. The name of the Director;
f. The municipality within which the works are located;

This notice must be served upon:

The Secretary
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto ON
M5G 1E5
Fax: (416) 326-5370
Email:
ERTTribunalsecretary@ontario.ca

AND

The Environmental Commissioner
1075 Bay Street
6th Floor, Suite 605
Toronto, Ontario M5S 2W5

AND

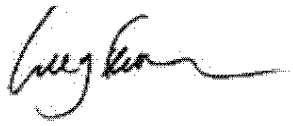
The Director, Section 34.1,
Ministry of the Environment and Climate Change
1259 Gardiners Rd, PO Box 22032
Kingston, ON
K7P 3J6

Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal:

by Telephone at	by Fax at	by e-mail at
(416) 212-6349	(416) 326-5370	www.ert.gov.on.ca
Toll Free 1(866) 448-2248	Toll Free 1(844) 213-3474	

This instrument is subject to Section 38 of the ***Environmental Bill of Rights*** *that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek to appeal for 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry, you can determine when the leave to appeal period ends.*

Dated at Kingston this 1st day of February, 2018.



Greg Faaren
Director, Section 34.1
Ontario Water Resources Act , R.S.O. 1990

Schedule A

This Schedule "A" forms part of Permit To Take Water 3400-AU7SLU, dated February 1, 2018.

Nick Sullivan

From: Public Information Services <publicinformationservices@tssa.org>
Sent: Thursday, December 12, 2024 3:33 PM
To: Nick Sullivan
Subject: RE: Records Search Request (PE0975)

Hello ,

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **fuels records** in our database at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please go to the **TSSA Client Portal** to complete an Application for Release of Public Information.

Please refer to How to Submit a Public Information Request (tssa.org) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

Once all steps have been successfully completed you will receive your payment receipt via email.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationservices@tssa.org.

Kind regards,

Melanie Fowler | Public Information Releases Agent
Legal
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3593 | Fax: +1 416-231-4903 | E-Mail: mfowler@tssa.org
www.tssa.org

Winner of 2023 5-Star Safety Cultures Award

From: Nick Sullivan <NSullivan@patersongroup.ca>
Sent: Thursday, December 12, 2024 2:44 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Records Search Request (PE0975)

Good day,

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 Ottawa, Ontario.

Renaud Road: 6612, 6615, 6618, 6635.
Rappel Circle: 191, 196, 216.
Mer-Bleue Road: 2374.

Thank you,

PATERSON GROUP
SOLUTION ORIENTED ENGINEERING

Nick Sullivan, B.Sc.
Environmental Technical Specialist

TEL: (613) 226-7381 ext. 208
DIRECT: (613) 913-3608

9 AURIGA DRIVE
OTTAWA, ON, K2E 7T9

nsullivan@patersongroup.ca

File Number: D06-03-20-0198

December 23, 2020

Paterson Group Inc.
154 Colonnade Road South
Ottawa, ON

Sent via email [nsullivan@patersongroup.ca]

Dear Paterson Group,

Re: Information Request
Part of 6429 Renaud Road South & Part of 2284 Mer Bleue 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 6429 Renaud Road South.

- **Solid Waste Services** The subject property is within 2.0 kilometers of the WSI Landfill located at 3354 Navan Road.

Search of Historical Land Use Inventory

This acknowledges receipt of the signed Disclaimer regarding your request for information from the City's Historical Land Use Inventory (HLUI 2005) database for the Subject Property.

A search of the HLUI database revealed the following information:

- There are no activities associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 250m of the Subject Property. The search revealed the following:

City of Ottawa
Planning, Infrastructure and Economic Development Department

110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: (613) 580-2424 ext. 21690
Fax: (613) 560-6006
www.ottawa.ca

Ville d'Ottawa
Services de la planification, de l'infrastructure et du développement économique

110, avenue Laurier Ouest, 4e étage
Ottawa (Ontario) K1P 1J1
Tél.: (613) 580-2424 ext. 21690
Téléc: (613) 560-6006
www.ottawa.ca

- There are 10 activities associated with 8 properties located within 250m of the Subject Property.

Please note that certain activities have been identified to have a PIN Certainty of "2". This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of "2" require independent verification as to their precise location.

A **site map** and **table** have been included to show the location of the Subject Property as well as the location of all the activities noted above, including the HLUI database's location of the Activity Numbers with a PIN Certainty of "2".

Additional information may be obtained by contacting:

Ontario's Environmental Registry

The Environmental Registry found at http://www.ebr.gov.on.ca/ERS-WEB-External/ 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

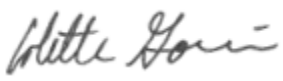
by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

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 Colette Gorni at 613-580-2424 ext. 21239 or HLUI@ottawa.ca

Sincerely,



Colette Gorni

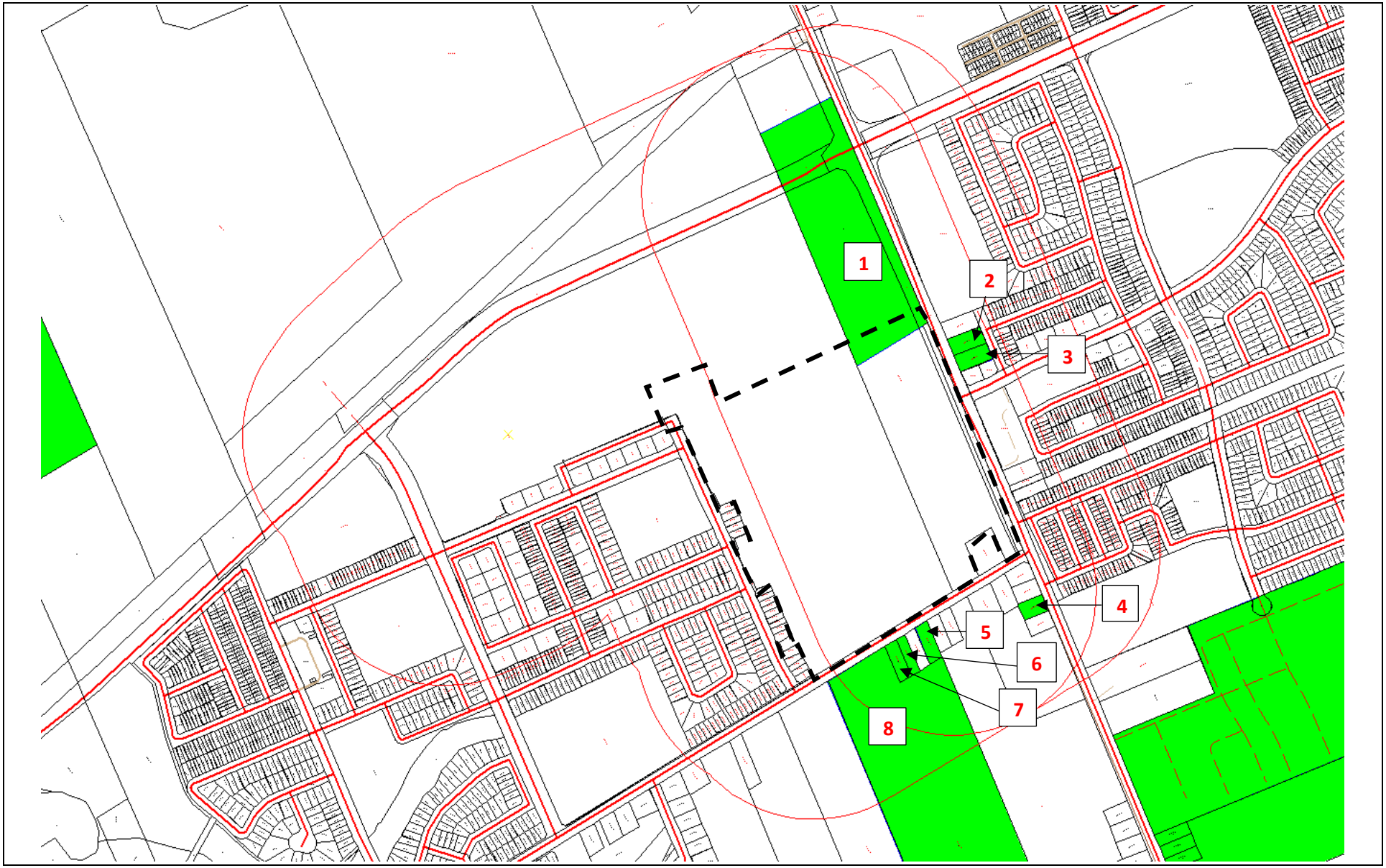
Per:

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

MB / CG

Enclosures.

cc: File no. D06-03-20-0198



Address: Part of 6429 Renaud Road & Part of 2284 Mer Bleue Road
Ottawa, ON

File No.: D06-03-20-0198

Prepared By: Colette Gorni

Legend:
- 00 — Area Number
- Subject Site
- 250 m Buffer

Scale: 1 : N/A

Area	Associated HLUI Activities	Associated HLUI Activities with a PIN Certainty of “2” *
Subject Property		
1	1942, 8405	
2	117	
3	10138	
4	10138, 8415	
5	9584	
6	9583	
7	9583	
8	9583	

*This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

Historical Land Use Inventory

Activity Numbers –

Adjacent Properties

Historical Land Use Inventory

Area #1 Activity Numbers

CITY OF OTTAWA

HLUI ID: __6799D6

AREA (Square Metres): 60654.873

Report: RPTC_OT_DEV0122

Run On: 21 Dec 2020 at: 15:51:27

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	044040210	Y	Y

Activity ID: 1942 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 044040210

Name: BRUCE'S CUSTOM CABINETS

Address: 2133 MER BLEUE ROAD,

Facility Type: Office Furniture Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
337214	0
337123	0

Company Name	Year of Operation
BRUCE'S CUSTOM CABINETS	c. 2001
BRUCE'S CUSTOM CABINETS	c. 2005

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	044040210	Y	Y

Activity ID: 8405 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 044040210

Name: LEBLANC ROGER WELDING

Address: 2284 MER BLEUE ROAD, ORLEANS

Facility Type: Motor Vehicles, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
811310	0

Company Name	Year of Operation
LEBLANC ROGER WELDING	c. 2001

Historical Land Use Inventory

Area #2 Activity Numbers

CITY OF OTTAWA

HLUI ID: __6799DD

AREA (Square Metres): 1857.118

Report: RPTC_OT_DEV0122

Run On: 21 Dec 2020 at: 15:52:45

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	145250115	N	N

Activity ID: 117 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 145250115

Name: ANTIQUE HEAVEN HELENE'S

Address: 2311 MER BLEUE ROAD, ORLEANS

Facility Type: Household Furniture Stores

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
442110	0

Company Name	Year of Operation
ANTIQUE HEAVEN HELENE'S	c. 2001

Historical Land Use Inventory

Area #3 Activity Numbers

CITY OF OTTAWA

HLUI ID: __6799DE

AREA (Square Metres): 1857.080

Report: RPTC_OT_DEV0122

Run On: 21 Dec 2020 at: 15:52:59

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	145250116	N	N

Activity ID: 10138

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 043520051

Name: P & M AUTO SHOP

Address: 2319 MER BLEUE ROAD,

Facility Type: Motor Vehicles, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
811111	0

Company Name	Year of Operation
P & M AUTO SHOP	c. 2005
P & M AUTO SHOP	c. 2001

Historical Land Use Inventory

Area #4 Activity Numbers

CITY OF OTTAWA

HLUI ID: __6799D7

AREA (Square Metres): 1392.348

Report: RPTC_OT_DEV0122

Run On: 21 Dec 2020 at: 15:55:18

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	043520051	Y	Y

Activity ID: 10138 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043520051

Name: P & M AUTO SHOP

Address: 2319 MER BLEUE ROAD,

Facility Type: Motor Vehicles, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
811111	0

Company Name	Year of Operation
P & M AUTO SHOP	c. 2005
P & M AUTO SHOP	c. 2001

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	043520051	Y	Y

Activity ID: 8415 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043520051

Name: LECLAIR C ELECTRIC

Address: 2388 MER BLEUE ROAD, ORLEANS

Facility Type: Mechanical Specialty Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
238210	0

Company Name	Year of Operation
LECLAIR C ELECTRIC	c. 2001

Historical Land Use Inventory

Area #5 Activity Numbers

CITY OF OTTAWA

HLUI ID: __67903W

AREA (Square Metres): 1708.969

Report: RPTC_OT_DEV0122

Run On: 21 Dec 2020 at: 15:55:30

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	043520083	Y	N

Activity ID: 9584 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043520083

Name: NAVAN ROOFING INC.

Address: 6592 RENAUD ROAD, NAVAN

Facility Type: Structural and Related Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
238170	0
238160	0
238390	0

Company Name	Year of Operation
NAVAN ROOFING INC.	c. 2005
NAVAN ROOFING INC.	c. 2001

Historical Land Use Inventory

Area #6 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679FJ7

AREA (Square Metres): 1194.353

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043520085	Y	N

Activity ID: 9583
Multiple PINS: Y
PIN Certainty: 1
Previous Activity ID(s) : 3969
Related PINS: 043520085
Name: NAVAN ROOFING INC.
Address: 6592 FOURTH LINE ROAD, GLOUCESTER
Facility Type: Exterior Close In Work
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: SC98
HL References 2:
HL References 3:

NAICS	SIC
238160	423
238310	423
238220	424
238140	423
238150	423

Company Name	Year of Operation
Navan Roofing Inc.	c. 1998

Historical Land Use Inventory

Area #7 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679FRM

AREA (Square Metres): 1543.893

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043520086	Y	N

Activity ID: 9583
Multiple PINS: Y
PIN Certainty: 1
Previous Activity ID(s) : 3969
Related PINS: 043520085
Name: NAVAN ROOFING INC.
Address: 6592 FOURTH LINE ROAD, GLOUCESTER
Facility Type: Exterior Close In Work
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: SC98
HL References 2:
HL References 3:

NAICS	SIC
238160	423
238310	423
238220	424
238140	423
238150	423

Company Name	Year of Operation
Navan Roofing Inc.	c. 1998

Historical Land Use Inventory

Area #8 Activity Numbers

CITY OF OTTAWA

HLUI ID: __670HME

AREA (Square Metres): 139209.900

Report: RPTC_OT_DEV0122

Run On: 21 Dec 2020 at: 15:56:11

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043520087	Y	N

Activity ID: 9583 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 3969

Related PINS: 043520085

Name: NAVAN ROOFING INC.

Address: 6592 FOURTH LINE ROAD, GLOUCESTER

Facility Type: Exterior Close In Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: SC98

HL References 2:

HL References 3:

NAICS	SIC
238160	423
238310	423
238220	424
238140	423
238150	423

Company Name	Year of Operation
Navan Roofing Inc.	c. 1998

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Phase I ESA* *Trail's Edge: Phase 2 & 3* *Ottawa ON*
Project No:	*PE0975*
Report Type:	*RSC Report - Quote*
Order No:	*20311700170*
Requested by:	*Paterson Group Inc.*
Date Completed:	*November 20, 2020*

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:	*Phase I ESA* *Trail's Edge: Phase 2 & 3 Ottawa ON*
Project No:	*PE0975*

Order Information:

Order No:	*20311700170*
Date Requested:	*November 17, 2020*
Requested by:	*Paterson Group Inc.*
Report Type:	*RSC Report - Quote*

Historical/Products:

Topographic Map	*RSC Maps*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	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	7	7
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	3	3
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	1	1
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
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	0	0
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	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	1	2	3
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	0	0
SPL	Ontario Spills	Y	0	0	0
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	15	15
	Total:		1	34	35

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	PTTW	Richcraft Homes Limited	ON	S/0.0	0.12	18

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	EHS		6615 Renaud Road Navan ON K4B 1H9	ESE/6.9	1.04	18
3	CA	KIDDY KARS ORLEANS	2356 MER BLEU,ORLEANS,PT.LOT 1 GLOUCESTER CITY ON K4A 3T8	E/7.9	0.56	18
4	WWIS		lot 1 con 4 ON ***Well ID:*** 1501500	SSE/29.6	1.20	19
5	BORE		ON	SSE/30.4	1.91	21
6	WWIS		lot 1 con 4 ON ***Well ID:*** 1501514	SSE/30.5	1.91	23
7	EHS		Navan, Renaud, and Mer Bleue Roads Ottawa ON	WSW/32.0	-0.78	25
8	BORE		ON	E/34.5	-0.58	25
9	WWIS		2319 MERBLEUE ROAD lot 3 con 1 CUMBERLAND ON ***Well ID:*** 1536382	NE/34.6	-0.95	27
10	WWIS		lot 4 con 11 ON ***Well ID:*** 1512858	E/37.2	0.72	33
11	WWIS		lot 1 con 4 ON ***Well ID:*** 1501510	ESE/38.8	2.00	36
12	WWIS		lot 3 con 11 ON ***Well ID:*** 1512855	NNE/39.3	-0.01	38
13	BORE		ON	NNE/39.4	-0.01	40

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	WWIS		lot 3 con 11 ON ***Well ID:*** 1519531	NNE/45.2	-0.35	41
15	BORE		ON	NE/57.8	-1.03	44
16	WWIS		lot 1 con 4 ON ***Well ID:*** 1501509	ESE/90.6	1.60	45
17	PTTW	Minto Communities Inc.	6211-6429 Renaud Road and 3828 Innes Road, Ottawa CITY OF OTTAWA ON	W/99.0	-1.95	47
17	ECA	Richcraft Homes Ltd.	6429 Renaud Rd Part of Lots 2 and 3, Concession 3 (Ottawa Front) Ottawa ON K1G 4K1	W/99.0	-1.95	48
18	PTTW	Mattamy (Mer Bleue) Limited	2405 Mer Bleue Rd, Ottawa, City 2496 Tenth Line Rd, Ottawa, City CITY OF OTTAWA ON	ESE/101.0	1.86	48
18	ECA	Mattamy (Mer Bleue) Limited	2405 Mer Bleue Rd Lots 3/4, Concession 11 Ottawa ON K2K 2M5	ESE/101.0	1.86	49
19	EHS		2388 Mer Bleue Road Ottawa ON	ESE/104.2	1.73	49
20	BORE		ON	SSW/111.1	-0.88	49
21	WWIS		lot 2 con 4 ON ***Well ID:*** 1501515	SSW/111.2	-0.88	50
22	WWIS		lot 1 con 4 ON ***Well ID:*** 1501511	ESE/131.5	1.73	53
23	WWIS		lot 1 con 4 ON ***Well ID:*** 1501502	ESE/151.0	1.86	55

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
24	BORE		ON	ESE/168.7	1.73	58
25	WWIS		lot 1 con 4 ON ***Well ID:*** 1501513	ESE/168.8	1.73	59
26	WWIS		lot 1 con 4 ON ***Well ID:*** 1501503	ESE/182.1	1.87	62
27	EHS		2401-2419 Mer Bleue Ottawa ON	ESE/255.0	1.19	64
28	EHS		Renaud Road Ottawa ON	SW/267.3	-2.51	64
29	BORE		ON	SE/279.4	1.87	64
30	WWIS		lot 1 con 4 ON ***Well ID:*** 1501501	SE/279.5	1.87	66
31	GEN	Franick Road Services Inc	2419 Mer Bleu Road Ottawa ON K4A 3V9	ESE/286.0	1.88	69
32	ECA	City of Ottawa	Mer Bleue Rd and Brian Coburn Blvd. Ottawa ON K2G 6J8	N/290.4	1.35	69
33	WWIS		lot 4 con 11 ON ***Well ID:*** 1512413	ESE/293.2	1.88	69

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 7 BORE site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	30.4	5
	ON	34.5	8
	ON	39.4	13
	ON	57.8	15
	ON	111.1	20
	ON	168.7	24
	ON	279.4	29

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 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
KIDDY KARS ORLEANS	2356 MER BLEU,ORLEANS,PT.LOT 1 GLOUCESTER CITY ON K4A 3T8	7.9	3

Site	Address	Distance (m)	Map Key

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Oct 31, 2020 has found that there are 3 ECA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Richcraft Homes Ltd.	6429 Renaud Rd Part of Lots 2 and 3, Concession 3 (Ottawa Front) Ottawa ON K1G 4K1	99.0	17
Mattamy (Mer Bleue) Limited	2405 Mer Bleue Rd Lots 3/4, Concession 11 Ottawa ON K2K 2M5	101.0	18
City of Ottawa	Mer Bleue Rd and Brian Coburn Blvd. Ottawa ON K2G 6J8	290.4	32

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2020 has found that there are 5 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	6615 Renaud Road Navan ON K4B 1H9	6.9	2
	Navan, Renaud, and Mer Bleue Roads Ottawa ON	32.0	7
	2388 Mer Bleue Road Ottawa ON	104.2	19
	2401-2419 Mer Bleue Ottawa ON	255.0	27
	Renaud Road Ottawa ON	267.3	28

Site	Address	Distance (m)	Map Key

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 1 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Franick Road Services Inc	2419 Mer Bleu Road Ottawa ON K4A 3V9	286.0	31

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994-Sep 30, 2020 has found that there are 3 PTTW site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Richcraft Homes Limited	ON	0.0	1
Minto Communities Inc.	6211-6429 Renaud Road and 3828 Innes Road, Ottawa CITY OF OTTAWA ON	99.0	17
Mattamy (Mer Bleue) Limited	2405 Mer Bleue Rd, Ottawa, City 2496 Tenth Line Rd, Ottawa, City CITY OF OTTAWA ON	101.0	18

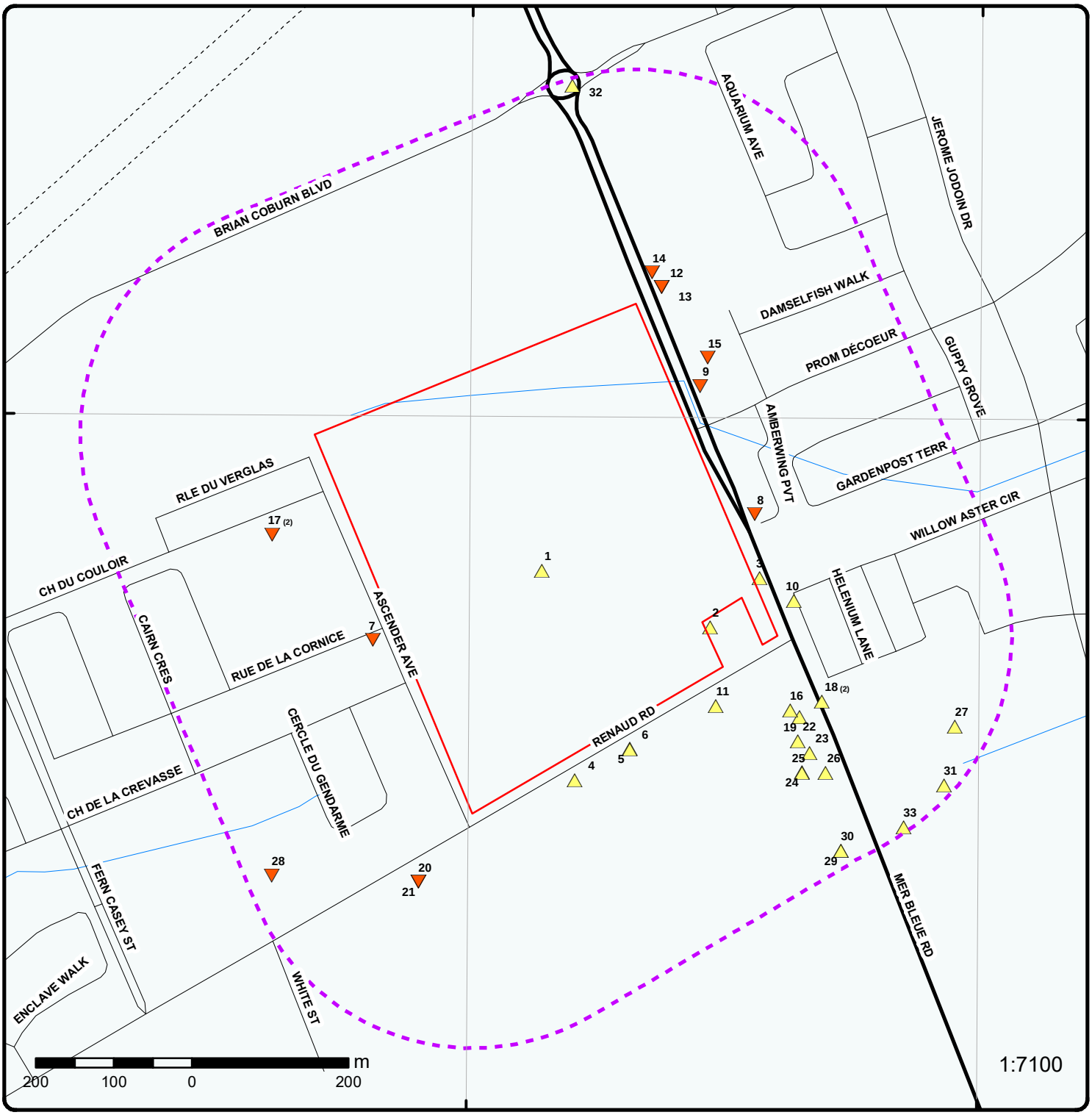
WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 15 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 1 con 4 ON ***Well ID:*** 1501500	29.6	4
	lot 1 con 4 ON	30.5	6

Site	Address	Distance (m)	Map Key
	Well ID: 1501514		
	2319 MERBLEUE ROAD lot 3 con 1 CUMBERLAND ON ***Well ID:*** 1536382	34.6	9
	lot 4 con 11 ON ***Well ID:*** 1512858	37.2	10
	lot 1 con 4 ON ***Well ID:*** 1501510	38.8	11
	lot 3 con 11 ON ***Well ID:*** 1512855	39.3	12
	lot 3 con 11 ON ***Well ID:*** 1519531	45.2	14
	lot 1 con 4 ON ***Well ID:*** 1501509	90.6	16
	lot 2 con 4 ON ***Well ID:*** 1501515	111.2	21
	lot 1 con 4 ON ***Well ID:*** 1501511	131.5	22
	lot 1 con 4 ON ***Well ID:*** 1501502	151.0	23
	lot 1 con 4 ON ***Well ID:*** 1501513	168.8	25
	lot 1 con 4 ON ***Well ID:*** 1501503	182.1	26

Site	Address	Distance (m)	Map Key
	lot 1 con 4 ON ***Well ID:*** 1501501	279.5	30
	lot 4 con 11 ON ***Well ID:*** 1512413	293.2	33



Map : 0.3 Kilometer Radius

Order Number: 20311700170

Address: Trail's Edge: Phase 2 & 3, Ottawa, ON

ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

Source: © 2015 DMTI Spatial Inc.

75°30'W

45°27'N

45°27'N

Aerial

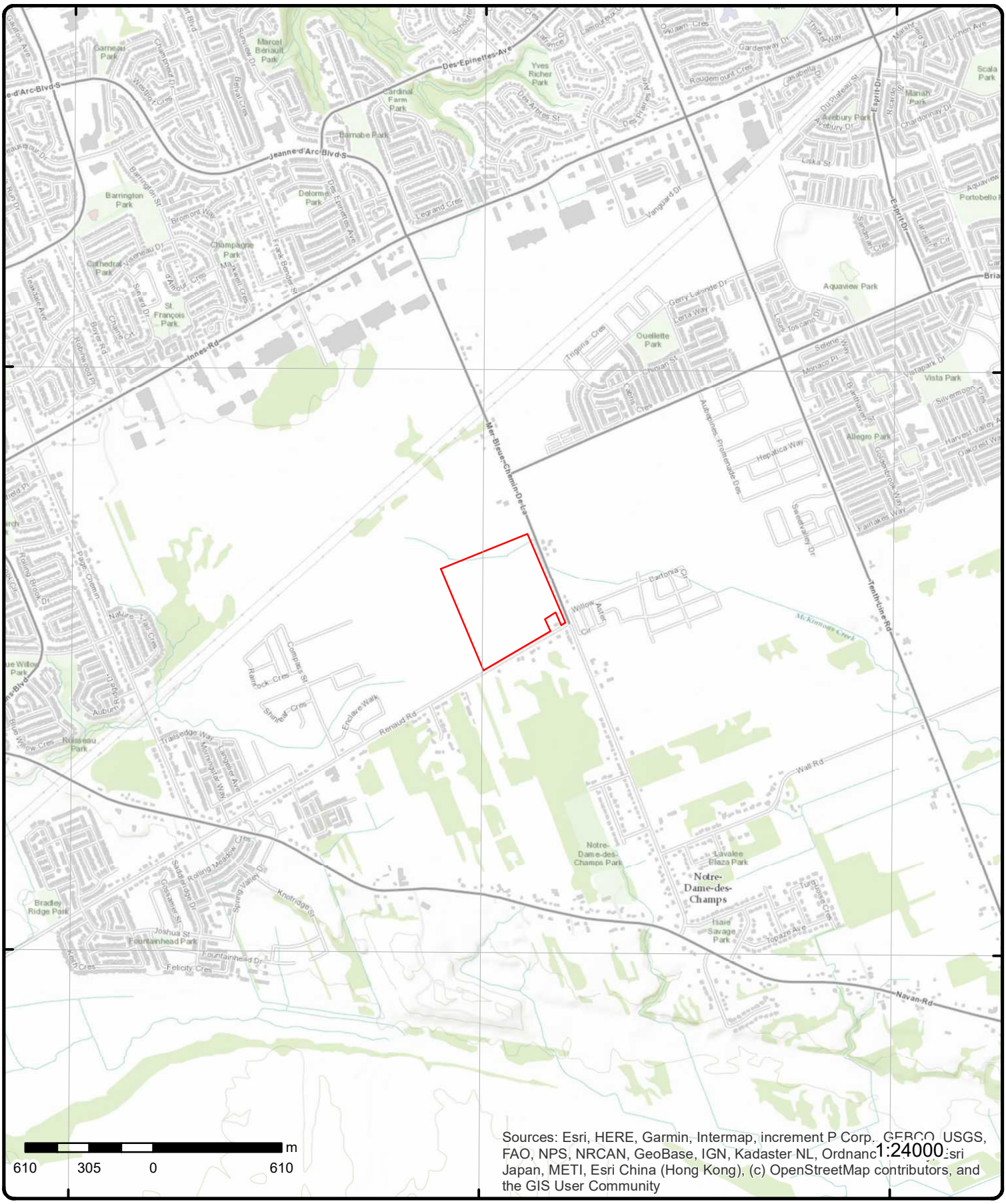
Year: 2015

Order Number: 20311700170

Address: Trail's Edge: Phase 2 & 3, Ottawa, ON

Source: ESRI World Imagery

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: Trail's Edge: Phase 2 & 3, ON

Source: ESRI World Topographic Map

Order Number: 20311700170

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	S/0.0	88.1 / 0.12	Richcraft Homes Limited ON	PTTW

EBR Registry No: 013-1804
Ministry Ref No: 7878-ASRLU7
Notice Type: Instrument
Notice Stage: Decision
Notice Date:
Proposal Date: November 08, 2017
Year: 2017
Decision Posted: August 24, 2020
Exception Posted:
Section: Section 34
Act 1: Ontario Water Resources Act, R.S.O. 1990
Act 2: Ontario Water Resources Act
Site Location Map: 45.439898,-75.498803

Instrument Type: Permit to take water
Off Instrument Name: Permit to Take Water (OWRA s. 34)
Posted By: Ministry of the Environment, Conservation and Parks
Company Name:
Site Address:
Location Other:
Proponent Name: Richcraft Homes Limited
Proponent Address: Richcraft Homes Limited
2280 St. Laurent Boulevard
Suite 201
Ottawa,
ON
K1G 4K1
Canada
Comment Period: November 8, 2017 - December 8, 2017 (30 days) Closed
URL: https://ero.ontario.ca/notice/013-1804

Site Location Details:

6429 Renaud Road
Ottawa
and
2284 Mer Bleue Road
Ottawa

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	ESE/6.9	89.0 / 1.04	6615 Renaud Road Navan ON K4B 1H9	EHS

Order No: 20190709134
Status: C
Report Type: Standard Report
Report Date: 11-JUL-19
Date Received: 09-JUL-19
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: NY
Search Radius (km): .25
X: -75.496047
Y: 45.439256

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	E/7.9	88.6 / 0.56	KIDDY KARS ORLEANS 2356 MER BLEU,ORLEANS,PT.LOT 1 GLOUCESTER CITY ON K4A 3T8	CA

Certificate #:	8-4129-96-
Application Year:	96
Issue Date:	7/9/1996
Approval Type:	Industrial air
Status:	Cancelled
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	COMMERCIAL KITCHEN EXHAUST HOOD
Contaminants:	
Emission Control:	

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4 | **1 of 1** | **SSE/29.6** | **89.2 / 1.20** | **lot 1 con 4 ON** | **WWIS**

Well ID:	1501500	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/7/1961
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1802
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	OF
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\1501500.pdf

Bore Hole Information

Bore Hole ID:	10023543	**Elevation:**	88.253936
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	461030.8
Code OB Desc:	Overburden	**North83:**	5031672
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	3/2/1961	**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: 930992000

Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 80
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930992001
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 110
Formation End Depth: 126
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930991999
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 80
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961501500
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10572113
Casing No: 1
Comment:
Alt Name:

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

Construction Record - Casing

Casing ID:	930039954
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	125
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930039955
Layer:	2
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	126
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501500
Pump Set At:	
Static Level:	2
Final Level After Pumping:	20
Recommended Pump Depth:	20
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	6
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:	933454210
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	125
Water Found Depth UOM:	ft

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5 ***1 of 1*** ***SSE/30.4*** ***89.9 / 1.91*** ***ON*** ***BORE***

Borehole ID:	616274	***Inclin FLG:***	No
OGF ID:	215517063	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	SEP-1966	***Municipality:***	
Static Water Level:		***Lot:***	

Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.43785
Total Depth m:	35.1	**Longitude DD:**	-75.497351
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	461101
Drill Method:		**Northing:**	5031712
Orig Ground Elev m:	87.8	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	88.2		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403528	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	27.4	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID:	218403529	**Mat Consistency:**	
Top Depth:	27.4	**Material Moisture:**	
Bottom Depth:	29	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND. GREY.		

Geology Stratum ID:	218403530	**Mat Consistency:**	
Top Depth:	29	**Material Moisture:**	
Bottom Depth:	35.1	**Material Texture:**	
Material Color:	Dark	**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. 00115 00089OCITY = 5000. BEDROCK. SEISMIC VELOCITY = 13000. K. DARK **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: OTTAWA2.txt RecordID: 08782 NTS_Sheet:		
Confiden 1:			

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		

6 **1 of 1** **SSE/30.5** **89.9 / 1.91** **lot 1 con 4 ON** **WWIS**

Well ID:	1501514	**Data Entry Status:**	
Construction Date:		**Data Src:**	7
Primary Water Use:	Domestic	**Date Received:**	12/14/1966
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	OF
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\1501514.pdf

Bore Hole Information

Bore Hole ID:	10023557	**Elevation:**	88.215263
DP2BR:	95	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	461100.8
Code OB Desc:	Bedrock	**North83:**	5031712
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	9/13/1966	**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:	930992039
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	

Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 90
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930992040
Layer: 2
Color: 2
General Color: GREY
Mat1: 07
Most Common Material: QUICKSAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 90
Formation End Depth: 95
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930992041
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 95
Formation End Depth: 115
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961501514
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10572127
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930039974
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 100

Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930039975
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	115
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501514
Pump Set At:	
Static Level:	6
Final Level After Pumping:	20
Recommended Pump Depth:	25
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	6
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:	933454224
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	115
Water Found Depth UOM:	ft

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7 | ***1 of 1*** | ***WSW/32.0*** | ***87.2 / -0.78*** | ***Navan, Renaud, and Mer Bleue Roads Ottawa ON*** | ***EHS***

Order No:	20070419014	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	CAN - Custom Report	***Client Prov/State:***	
Report Date:	4/27/2007	***Search Radius (km):***	0.25
Date Received:	4/19/2007	***X:***	-75.50156
Previous Site Name:		***Y:***	45.439086
Lot/Building Size:			
Additional Info Ordered:			

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8 | ***1 of 1*** | ***E/34.5*** | ***87.4 / -0.58*** | ***ON*** | ***BORE***

Borehole ID:	616280	***Inclin FLG:***	No
OGF ID:	215517069	***SP Status:***	Initial Entry

Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	JUL-1964	**Municipality:**	
Static Water Level:	3.0	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.440559
Total Depth m:	-999	**Longitude DD:**	-75.495329
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	461261
Drill Method:		**Northing:**	5032012
Orig Ground Elev m:	86.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	87.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403546	**Mat Consistency:**	
Top Depth:	22.9	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL. WATER STABLE AT 275.0 FEET.57SMIC VELOCITY = 4900. BEDROCK. SEISMIC VELOCITY = 18000 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218403545	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	22.9	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

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:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 087880 NTS_Sheet: 31G06E		
Confiden 1:	Reliable information but incomplete.		

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		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	NE/34.6	87.1 / -0.95	2319 MERBLEUE ROAD lot 3 con 1 CUMBERLAND ON	WWIS

Well ID: 1536382
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z39926
Tag: A023034
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:
Date Received: 6/12/2006
Selected Flag: Yes
Abandonment Rec:
Contractor: 1119
Form Version: 3
Owner:
Street Name: 2319 MERBLEUE ROAD
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 003
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/153\1536382.pdf

Bore Hole Information

Bore Hole ID: 11550448
DP2BR: 78
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/5/2006
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 88.249923
Elevrc:
Zone: 18
East83: 461191
North83: 5032176
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 933055411
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 23.77
Formation End Depth: 103.63
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID:	933055409
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	3.35
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933055410
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3.35
Formation End Depth:	23.77
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933294366
Layer:	2
Plug From:	21.03
Plug To:	0
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933294365
Layer:	1
Plug From:	24.08
Plug To:	21.03
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961536382
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID: 11560055
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930880319
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 24.08
Depth To: 103.63
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Casing

Casing ID: 930880318
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0
Depth To: 24.69
Casing Diameter: 15.88
Casing Diameter UOM: cm
Casing Depth UOM: m

Results of Well Yield Testing

Pump Test ID: 11569464
Pump Set At: 91.44
Static Level: 1.25
Final Level After Pumping: 56.38
Recommended Pump Depth: 91.44
Pumping Rate: 22.74
Flowing Rate:
Recommended Pump Rate: 22.71
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method:
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11630887
Test Type: Draw Down
Test Duration: 15
Test Level: 15.95
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631169
Test Type: Recovery
Test Duration: 30
Test Level: 45.3

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630886
Test Type: Recovery
Test Duration: 10
Test Level: 52.76
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630877
Test Type: Draw Down
Test Duration: 2
Test Level: 3.21
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630883
Test Type: Draw Down
Test Duration: 5
Test Level: 6.25
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631168
Test Type: Draw Down
Test Duration: 30
Test Level: 26.72
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631172
Test Type: Draw Down
Test Duration: 50
Test Level: 42.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631171
Test Type: Recovery
Test Duration: 40
Test Level: 41
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630884
Test Type: Recovery
Test Duration: 5
Test Level: 54.25
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630880
Test Type: Recovery
Test Duration: 3
Test Level: 54.9
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631173
Test Type: Recovery
Test Duration: 50
Test Level: 37.9
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631175
Test Type: Recovery
Test Duration: 60
Test Level: 35.1
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631166
Test Type: Draw Down
Test Duration: 25
Test Level: 23.73
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630889
Test Type: Draw Down
Test Duration: 20
Test Level: 20.65
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630879
Test Type: Draw Down
Test Duration: 3
Test Level: 4.25
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630890
Test Type: Recovery
Test Duration: 20
Test Level: 48.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631170
Test Type: Draw Down
Test Duration: 40

Test Level: 33.4
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630881
Test Type: Draw Down
Test Duration: 4
Test Level: 5.25
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630876
Test Type: Recovery
Test Duration: 1
Test Level: 55.15
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630878
Test Type: Recovery
Test Duration: 2
Test Level: 55
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630882
Test Type: Recovery
Test Duration: 4
Test Level: 54.56
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631167
Test Type: Recovery
Test Duration: 25
Test Level: 46.9
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630885
Test Type: Draw Down
Test Duration: 10
Test Level: 10.85
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631174
Test Type: Draw Down
Test Duration: 60
Test Level: 56.38
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:	11630888
Test Type:	Recovery
Test Duration:	15
Test Level:	50.8
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11630875
Test Type:	Draw Down
Test Duration:	1
Test Level:	2.12
Test Level UOM:	m

Water Details

Water ID:	934076133
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	99.06
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11681155
Diameter:	15.23
Depth From:	0
Depth To:	103.63
Hole Depth UOM:	m
Hole Diameter UOM:	cm

10	***1 of 1***	***E/37.2***	***88.7 / 0.72***	***lot 4 con 11 ON***	***WWIS***

Well ID:	1512858	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/30/1970
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	004
Well Depth:		***Concession:***	11
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\1512858.pdf

Bore Hole Information

Bore Hole ID:	10034846	**Elevation:**	87.834144
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	461310.8
Code OB Desc:	Overburden	**North83:**	5031902
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/3/1969	**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:	931021742
Layer:	2
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	75
Formation End Depth:	82
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931021741
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	75
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961512858
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10583416
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930061718
Layer:	1
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	82
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991512858
Pump Set At:	
Static Level:	5
Final Level After Pumping:	20
Recommended Pump Depth:	25
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	6
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:	934098891
Test Type:	Draw Down
Test Duration:	15
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934896484
Test Type:	Draw Down
Test Duration:	60
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934378004
Test Type:	Draw Down
Test Duration:	30
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934639002

Test Type:	Draw Down
Test Duration:	45
Test Level:	20
Test Level UOM:	ft

Water Details

Water ID:	933468348
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	82
Water Found Depth UOM:	ft

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11 | ***1 of 1*** | ***ESE/38.8*** | ***90.0 / 2.00*** | ***lot 1 con 4 ON*** | ***WWIS***

Well ID:	1501510	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/30/1965
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	OF
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\1501510.pdf

Bore Hole Information

Bore Hole ID:	10023553	**Elevation:**	87.942436
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	461210.8
Code OB Desc:	Overburden	**North83:**	5031767
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	8/24/1965	**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: 930992028

Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 90
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930992029
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 90
Formation End Depth: 94
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961501510
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10572123
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930039969
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991501510
Pump Set At:
Static Level:

Final Level After Pumping:	20
Recommended Pump Depth:	20
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	6
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:	Yes

Water Details

Water ID:	933454220
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	94
Water Found Depth UOM:	ft

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12 ***1 of 1*** ***NNE/39.3*** ***88.0 / -0.01*** ***lot 3 con 11 ON*** ***WWIS***

Well ID:	1512855	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/5/1962
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	003
Well Depth:		***Concession:***	11
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\1512855.pdf

Bore Hole Information

Bore Hole ID:	10034843	***Elevation:***	88.378608
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	461141.8
Code OB Desc:	Overburden	***North83:***	5032302
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	7/30/1962	***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:	931021735
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	70
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931021736
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	70
Formation End Depth:	78
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961512855
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10583413
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930061715
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	78
Casing Diameter:	2

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991512855
Pump Set At:	
Static Level:	2
Final Level After Pumping:	20
Recommended Pump Depth:	20
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	8
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:	933468345
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	78
Water Found Depth UOM:	ft

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13 ***1 of 1*** ***NNE/39.4*** ***88.0 / -0.01*** ***ON*** ***BORE***

Borehole ID:	616285	***Inclin FLG:***	No
OGF ID:	215517074	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	JUL-1962	***Municipality:***	
Static Water Level:	3.7	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.443163
Total Depth m:	23.8	***Longitude DD:***	-75.496874
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	461142
Drill Method:		***Northing:***	5032302
Orig Ground Elev m:	87.5	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	88.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403561	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	21.3	***Material Texture:***	
Material Color:	Blue	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	

Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: CLAY. BLUE.

Geology Stratum ID: 218403562 ***Mat Consistency:***
Top Depth: 21.3 ***Material Moisture:***
Bottom Depth: 23.8 ***Material Texture:***
Material Color: Blue ***Non Geo Mat Type:***
Material 1: Gravel ***Geologic Formation:***
Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: GRAVEL. 00078BLE AT 275.0 FEET.. CLAY. BLUE. GRAVEL. LIMESTONE. GREY. 00122 18000 **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: OTTAWA2.txt RecordID: 08793 NTS_Sheet:
Confiden 1:

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

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14 ***1 of 1*** ***NNE/45.2*** ***87.7 / -0.35*** ***lot 3 con 11 ON*** ***WWIS***

Well ID: 1519531 ***Data Entry Status:***
Construction Date: ***Data Src:*** 1
Primary Water Use: Irrigation ***Date Received:*** 4/19/1985
Sec. Water Use: 0 ***Selected Flag:*** Yes
Final Well Status: Water Supply ***Abandonment Rec:***
Water Type: ***Contractor:*** 2351
Casing Material: ***Form Version:*** 1
Audit No: ***Owner:***
Tag: ***Street Name:***
Construction Method: ***County:*** OTTAWA
Elevation (m): ***Municipality:*** CUMBERLAND TOWNSHIP
Elevation Reliability: ***Site Info:***
Depth to Bedrock: ***Lot:*** 003
Well Depth: ***Concession:*** 11
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\1519531.pdf

Bore Hole Information

Bore Hole ID:	10041401	***Elevation:***	88.395172
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	461129.8
Code OB Desc:	Overburden	***North83:***	5032321
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	3/25/1985	***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:	931041958
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6
Formation End Depth:	119
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931041957
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931041959
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	11
Most Common Material:	GRAVEL

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 119
Formation End Depth: 120
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961519531
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10589971
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930072292
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 120
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519531
Pump Set At:
Static Level: 45
Final Level After Pumping: 105
Recommended Pump Depth: 116
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 14
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: 934653315
Test Type: Draw Down
Test Duration: 45
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934109164
Test Type:	Draw Down
Test Duration:	15
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934894077
Test Type:	Draw Down
Test Duration:	60
Test Level:	105
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934383338
Test Type:	Draw Down
Test Duration:	30
Test Level:	105
Test Level UOM:	ft

Water Details

Water ID:	933476558
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	120
Water Found Depth UOM:	ft

15 ***1 of 1*** ***NE/57.8*** ***87.0 / -1.03*** ***ON*** ***BORE***

Borehole ID:	616284	***Inclin FLG:***	No
OGF ID:	215517073	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	JUL-1962	***Municipality:***	
Static Water Level:	3.0	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.442356
Total Depth m:	-999	***Longitude DD:***	-75.496112
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	461201
Drill Method:		***Northing:***	5032212
Orig Ground Elev m:	86.9	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	88.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403560	***Mat Consistency:***	
Top Depth:	21.3	***Material Moisture:***	

Bottom Depth:		**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL. WATER STABLE AT 275.0 FEET.. CLAY. BLUE. GRAVEL. LIMESTONE. GREY. 00122 18000 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218403559	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	21.3	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

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:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 087920 NTS_Sheet: 31G06E		
Confiden 1:	Reliable information but incomplete.		

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		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
16	1 of 1	ESE/90.6	89.6 / 1.60	lot 1 con 4 ON	WWIS

Well ID:	1501509	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/30/1965
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	OF
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\1501509.pdf

Bore Hole Information

Bore Hole ID:	10023552	***Elevation:***	88.108169
DP2BR:	100	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	461305.8
Code OB Desc:	Bedrock	***North83:***	5031762
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	8/10/1965	***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:	930992027
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	100
Formation End Depth:	102
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992026
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	100
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961501509
Method Construction Code:	7
Method Construction:	Diamond

Other Method Construction:

Pipe Information

Pipe ID: 10572122
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930039968
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 102
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991501509
Pump Set At:
Static Level:
Final Level After Pumping: 25
Recommended Pump Depth: 25
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 5
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: Yes

Water Details

Water ID: 933454219
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 102
Water Found Depth UOM: ft

17	1 of 2	W/99.0	86.1 / -1.95	***Minto Communities Inc.*** ***6211-6429 Renaud Road and 3828 Innes Road,*** ***Ottawa CITY OF OTTAWA*** ***ON***	PTTW

EBR Registry No: 012-1468
Ministry Ref No: 2611-9HRMPG
Notice Type: Instrument Decision
Notice Stage:
Notice Date: June 10, 2014
Proposal Date: April 03, 2014
Year: 2014
Instrument Type: (OWRA s. 34) - Permit to Take Water

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

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

Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:

Site Location Details:

6211-6429 Renaud Road and 3828 Innes Road, Ottawa CITY OF OTTAWA

17	*2 of 2*	*W/99.0*	*86.1 / -1.95*	***Richcraft Homes Ltd.*** ***6429 Renaud Rd Part of Lots 2 and 3, Concession 3 (Ottawa Front)*** ***Ottawa ON K1G 4K1***	*ECA*

Approval No: 5712-B65KDA
Approval Date: 2018-11-06
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 6429 Renaud Rd Part of Lots 2 and 3, Concession 3 (Ottawa Front)
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7475-B5VLLN-14.pdf

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18	*1 of 2*	*ESE/101.0*	*89.9 / 1.86*	***Mattamy (Mer Bleue) Limited*** ***2405 Mer Bleue Rd, Ottawa, City 2496 Tenth Line Rd, Ottawa, City CITY OF OTTAWA*** ***ON***	*PTTW*

EBR Registry No: 012-4411
Ministry Ref No: 6502-9W8LAB
Notice Type: Instrument Decision
Notice Stage:
Notice Date: October 17, 2016
Proposal Date: June 19, 2015
Year: 2015
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Mattamy (Mer Bleue) Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 50 Hines Road, Suite 100, Ottawa Ontario, Canada K2K 2M5
Comment Period:
URL:

Site Location Details:

2405 Mer Bleue Rd, Ottawa, City 2496 Tenth Line Rd, Ottawa, City CITY OF OTTAWA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	2 of 2	ESE/101.0	89.9 / 1.86	Mattamy (Mer Bleue) Limited 2405 Mer Bleue Rd Lots 3/4, Concession 11 Ottawa ON K2K 2M5	ECA

Approval No: 7287-AD4PT3
Approval Date: 2016-08-24
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 2405 Mer Bleue Rd Lots 3/4, Concession 11
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3754-AD3JKA-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	1 of 1	ESE/104.2	89.7 / 1.73	2388 Mer Bleue Road Ottawa ON	EHS

Order No: 20100325027
Status: C
Report Type: Standard Report
Report Date: 4/6/2010
Date Received: 3/25/2010
Previous Site Name:
Lot/Building Size: 0.34 acres
Additional Info Ordered: Fire Insur. Maps and/or Site Plans;
Nearest Intersection: Mer Bleue at Renaud
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.494576
Y: 45.438228

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	1 of 1	SSW/111.1	87.1 / -0.88	ON	BORE

Borehole ID: 616269
OGF ID: 215517058
Status:
Type: Borehole
Use:
Completion Date: JUL-1952
Static Water Level: 33.5
Primary Water Use:
Sec. Water Use:
Total Depth m: 54.3
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 86.9
Elev Reliabil Note:
DEM Ground Elev m: 87.9
Concession:
Location D:
Survey D:
Comments:
Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.436305
Longitude DD: -75.50079
UTM Zone: 18
Easting: 460831
Northing: 5031542
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218403515
Top Depth: 0
Bottom Depth: 21.3
Material Color: Blue
Material 1: Clay
Material 2:
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:

Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: CLAY. BLUE.

Geology Stratum ID: 218403516 **Mat Consistency:**
Top Depth: 21.3 **Material Moisture:**
Bottom Depth: 25.3 **Material Texture:**
Material Color: **Non Geo Mat Type:**
Material 1: Sand **Geologic Formation:**
Material 2: Gravel **Geologic Group:**
Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: SAND.

Geology Stratum ID: 218403517 **Mat Consistency:**
Top Depth: 25.3 **Material Moisture:**
Bottom Depth: 54.3 **Material Texture:**
Material Color: **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. 00175FEET.BEDROCK. VELOCITY = 5000. BEDROCK. SEISMIC VELOCITY = 13000. K.

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: OTTAWA2.txt RecordID: 08777 NTS_Sheet:
Confiden 1:

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

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21 **1 of 1** **SSW/111.2** **87.1 / -0.88** **lot 2 con 4 ON** **WWIS**

Well ID: 1501515 **Data Entry Status:**
Construction Date: **Data Src:** 1
Primary Water Use: Domestic **Date Received:** 7/28/1952
Sec. Water Use: 0 **Selected Flag:** Yes
Final Well Status: Water Supply **Abandonment Rec:**
Water Type: **Contractor:** 1802
Casing Material: **Form Version:** 1
Audit No: **Owner:**
Tag: **Street Name:**
Construction Method: **County:** OTTAWA
Elevation (m): **Municipality:** GLOUCESTER TOWNSHIP
Elevation Reliability: **Site Info:**
Depth to Bedrock: **Lot:** 002

Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	OF
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\1501515.pdf

Bore Hole Information

Bore Hole ID:	10023558	**Elevation:**	87.877639
DP2BR:	83	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	460830.8
Code OB Desc:	Bedrock	**North83:**	5031542
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	7/4/1952	**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:	930992043
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	70
Formation End Depth:	83
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992042
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	70
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992044
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	83
Formation End Depth:	178
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961501515
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10572128
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930039977
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	178
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930039976
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	83
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501515
Pump Set At:	
Static Level:	
Final Level After Pumping:	

Recommended Pump Depth:	
Pumping Rate:	
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:	
Pumping Duration MIN:	
Flowing:	Yes

Water Details

Water ID:	933454225
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	175
Water Found Depth UOM:	ft

---

22 **1 of 1** **ESE/131.5** **89.7 / 1.73** **lot 1 con 4 ON** **WWIS**

Well ID:	1501511	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/14/1966
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	OF
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\1501511.pdf

Bore Hole Information

Bore Hole ID:	10023554	**Elevation:**	87.802497
DP2BR:	92	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	461315.8
Code OB Desc:	Bedrock	**North83:**	5031722
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	5/31/1966	**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:	930992030
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	92
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992031
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	92
Formation End Depth:	97
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961501511
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10572124
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930039971
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	97
Casing Diameter:	2
Casing Diameter UOM:	inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930039970
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 95
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991501511
Pump Set At:
Static Level: 1
Final Level After Pumping: 20
Recommended Pump Depth: 20
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 6
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: 933454221
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 97
Water Found Depth UOM: ft

---

23 ***1 of 1*** ***ESE/151.0*** ***89.9 / 1.86*** ***lot 1 con 4 ON*** ***WWIS***

Well ID: 1501502
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:

Data Entry Status:
Data Src: 1
Date Received: 8/15/1961
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 001
Concession: 04
Concession Name: OF
Easting NAD83:
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\1501502.pdf

Bore Hole Information

Bore Hole ID:	10023545	***Elevation:***	87.66822
DP2BR:	78	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	461330.8
Code OB Desc:	Bedrock	***North83:***	5031707
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	5/11/1961	***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:	930992008
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	78
Formation End Depth:	85
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992009
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	85
Formation End Depth:	87
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992007

Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10
Formation End Depth:	78
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992006
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961501502
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10572115
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930039957
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	87
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501502
Pump Set At:	
Static Level:	15

Final Level After Pumping:	25
Recommended Pump Depth:	25
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	8
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:	933454212
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	87
Water Found Depth UOM:	ft

---

24 ***1 of 1*** ***ESE/168.7*** ***89.7 / 1.73*** ***ON*** ***BORE***

Borehole ID:	616273	***Inclin FLG:***	No
OGF ID:	215517062	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	JUL-1966	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.437592
Total Depth m:	32	***Longitude DD:***	-75.494536
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	461321
Drill Method:		***Northing:***	5031682
Orig Ground Elev m:	87.8	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	87.7		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403525	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	29.6	***Material Texture:***	
Material Color:	Blue	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID:	218403527	***Mat Consistency:***	
Top Depth:	31.4	***Material Moisture:***	
Bottom Depth:	32	***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. 00105GREY. 00089OCITY = 5000. BEDROCK. SEISMIC VELOCITY = 13000. K.		

Geology Stratum ID:	218403526	**Mat Consistency:**	
Top Depth:	29.6	**Material Moisture:**	
Bottom Depth:	31.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL.		

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: OTTAWA2.txt RecordID: 08781 NTS_Sheet:		
Confiden 1:			

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		

---

25 | ***1 of 1*** | ***ESE/168.8*** | ***89.7 / 1.73*** | ***lot 1 con 4 ON*** | ***WWIS***

Well ID:	1501513	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/14/1966
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	OF
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\1501513.pdf

Bore Hole Information

Bore Hole ID:	10023556	***Elevation:***	87.665588
DP2BR:	103	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	461320.8
Code OB Desc:	Bedrock	***North83:***	5031682
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	7/3/1966	***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:	930992037
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	97
Formation End Depth:	103
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992036
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	97
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992038
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15

Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	103
Formation End Depth:	105
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961501513
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10572126
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930039973
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	105
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501513
Pump Set At:	
Static Level:	1
Final Level After Pumping:	20
Recommended Pump Depth:	20
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	6
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:	933454223
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	105

Water Found Depth UOM: ft

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26 | **1 of 1** | **ESE/182.1** | **89.9 / 1.87** | **lot 1 con 4 ON** | **WWIS**

Well ID:	1501503	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/15/1961
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	OF
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\1501503.pdf

Bore Hole Information

Bore Hole ID:	10023546	**Elevation:**	87.44947
DP2BR:	85	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	461350.8
Code OB Desc:	Bedrock	**North83:**	5031682
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	5/18/1961	**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:	930992011
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6
Formation End Depth:	85
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992010
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992012
Layer:	3
Color:	
General Color:	
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	85
Formation End Depth:	91
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961501503
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10572116
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930039958
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	91
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501503
Pump Set At:	
Static Level:	15
Final Level After Pumping:	25
Recommended Pump Depth:	20
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	6
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:	933454213
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	91
Water Found Depth UOM:	ft

---

27 ***1 of 1*** ***ESE/255.0*** ***89.2 / 1.19*** ***2401-2419 Mer Bleue Ottawa ON*** ***EHS***

Order No:	20180208075	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	05-MAR-18	***Search Radius (km):***	.25
Date Received:	08-FEB-18	***X:***	-75.492038
Previous Site Name:		***Y:***	45.43813
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos		

---

28 ***1 of 1*** ***SW/267.3*** ***85.5 / -2.51*** ***Renaud Road Ottawa ON*** ***EHS***

Order No:	20130927012	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	03-OCT-13	***Search Radius (km):***	.25
Date Received:	27-SEP-13	***X:***	-75.50319
Previous Site Name:		***Y:***	45.436366
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps; City Directory; Aerial Photos		

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29 ***1 of 1*** ***SE/279.4*** ***89.9 / 1.87*** ***ON*** ***BORE***

Borehole ID:	616271	***Inclin FLG:***	No
OGF ID:	215517060	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	MAY-1961	***Municipality:***	

Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.436695
Total Depth m:	27.1	***Longitude DD:***	-75.493889
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	461371
Drill Method:		***Northing:***	5031582
Orig Ground Elev m:	86.9	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	87.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403520	***Mat Consistency:***	
Top Depth:	3	***Material Moisture:***	
Bottom Depth:	24.4	***Material Texture:***	
Material Color:	Blue	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID:	218403521	***Mat Consistency:***	
Top Depth:	24.4	***Material Moisture:***	
Bottom Depth:	26.5	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Shale	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SHALE. BROWN.		

Geology Stratum ID:	218403519	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	3	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Sand	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SAND.		

Geology Stratum ID:	218403522	***Mat Consistency:***	
Top Depth:	26.5	***Material Moisture:***	
Bottom Depth:	27.1	***Material Texture:***	
Material Color:	Dark	***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. 00089OCITY = 5000. BEDROCK. SEISMIC VELOCITY = 13000. K. DARK,GREY,SOUN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

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

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: OTTAWA2.txt RecordID: 08779 NTS_Sheet:		
Confiden 1:			

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		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
30	1 of 1	SE/279.5	89.9 / 1.87	lot 1 con 4 ON	WWIS

Well ID:	1501501	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/15/1961
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	OF
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\1501501.pdf

Bore Hole Information

Bore Hole ID:	10023544	**Elevation:**	87.373435
DP2BR:	80	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	461370.8
Code OB Desc:	Bedrock	**North83:**	5031582
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	5/10/1961	**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:	930992004
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	87
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992002
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992005
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	87
Formation End Depth:	89
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992003
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	

Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 80
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961501501
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10572114
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930039956
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 89
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991501501
Pump Set At:
Static Level: 15
Final Level After Pumping: 25
Recommended Pump Depth: 25
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 8
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: 933454211
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 89
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
31	1 of 1	ESE/286.0	89.9 / 1.88	Franick Road Services Inc 2419 Mer Bleu Road Ottawa ON K4A 3V9	GEN

Generator No: ON6946007
Status:
Approval Years: 05,06
Contam. Facility:
MHSW Facility:
SIC Code: 561730
SIC Description: Landscaping Services

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
32	1 of 1	N/290.4	89.4 / 1.35	City of Ottawa Mer Bleue Rd and Brian Coburn Blvd. Ottawa ON K2G 6J8	ECA

Approval No: 6579-9X5SCM
Approval Date: 2015-06-15
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Mer Bleue Rd and Brian Coburn Blvd.
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8616-9X3Q6H-14.pdf

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
33	1 of 1	ESE/293.2	89.9 / 1.88	lot 4 con 11 ON	WWIS

Well ID: 1512413
Construction Date:
Primary Water Use: Livestock
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: 4/24/1973
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession: 11
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512413.pdf

Bore Hole Information

Bore Hole ID:	10034404	***Elevation:***	87.898361
DP2BR:	116	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	461450.8
Code OB Desc:	Bedrock	***North83:***	5031612
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	12/1/1972	***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:	931020568
Layer:	4
Color:	2
General Color:	GREY
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	116
Formation End Depth:	118
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931020566
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10
Formation End Depth:	95
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931020565
Layer:	1
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931020567
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 95
Formation End Depth: 116
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961512413
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10582974
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930060977
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 116
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930060978
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 118
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991512413
Pump Set At:	
Static Level:	2
Final Level After Pumping:	8
Recommended Pump Depth:	25
Pumping Rate:	24
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934377450
Test Type:	Draw Down
Test Duration:	30
Test Level:	8
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934098056
Test Type:	Draw Down
Test Duration:	15
Test Level:	5
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934647775
Test Type:	Draw Down
Test Duration:	45
Test Level:	8
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934895931
Test Type:	Draw Down
Test Duration:	60
Test Level:	8
Test Level UOM:	ft

Water Details

Water ID:	933467869
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	118
Water Found Depth UOM:	ft

Unplottable Summary

Total: 48 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	City of Ottawa	Mer Bleue Rd (Innes Rd 700m south)	Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	Claridge Homes (Carson) Inc.	Renaud Rd	Ottawa ON	
CA	Minto Communities Inc.	Ward 21	Ottawa ON	
CA	Minto Communities Inc.	Ward 21	Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.	Renaud Road	Ottawa ON	
CA	Minto Communities Inc.		Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.	Renaud Road	Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.	Renaud Road	Ottawa ON	
CA	City of Ottawa	Mer Bleue Rd (Innes Rd 700m south)	Ottawa ON	
CA	Minto Communities Inc.	Part 3, RP 4R-7806, Ward (2), Orleans	Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
DTNK	SUPERIOR PROPANE INC	LOT 2 CON 3	NEPEAN TWP OTTAWA ON	M1E 2N4
EBR	Richcraft Homes Ltd.	Ottawa, ON Canada	ON	
EBR	Minto Communities Inc.	Ottawa, Ontario CITY OF OTTAWA	ON	

ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	City of Ottawa	Brian Coburn Blvd Navan Road	Ottawa ON	K2G 6J8
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
PTTW	Minto Communities Inc.		ON	
PTTW	Minto Communities Inc.		ON	

WWIS	con 4	ON
WWIS	con 4	ON
WWIS	con 4	ON
WWIS	con 3	ON
WWIS	con 4	ON
WWIS	con 11	ON
WWIS	con 3	ON

Unplottable Report

Site: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 9080-5UYQRL
Application Year: 2004
Issue Date: 1/8/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Mer Bleue Rd (Innes Rd 700m south) Ottawa ON

Database: ***CA***

Certificate #: 8790-6VKTPK
Application Year: 2007
Issue Date: 4/26/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 7432-7UVKBU
Application Year: 2009
Issue Date: 8/13/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Claridge Homes (Carson) Inc.***
Renaud Rd Ottawa ON

Database: ***CA***

Certificate #: 6667-7P8R2K

Application Year: 2009
Issue Date: 2/13/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Minto Communities Inc.***
Ward 21 Ottawa ON

Database: ***CA***

Certificate #: 6616-7XYSBE
Application Year: 2009
Issue Date: 12/4/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Minto Communities Inc.***
Ward 21 Ottawa ON

Database: ***CA***

Certificate #: 3852-7XHSD6
Application Year: 2009
Issue Date: 11/10/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Ashcroft Homes - Eastboro Inc.***
Renaud Road Ottawa ON

Database: ***CA***

Certificate #: 1462-8E5P3N
Application Year: 2011
Issue Date: 2/23/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Minto Communities Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 3058-7JZKTF
Application Year: 2008
Issue Date: 10/7/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Ashcroft Homes - Eastboro Inc.***
Renaud Road Ottawa ON

Database: ***CA***

Certificate #: 2240-8ERLQE
Application Year: 2011
Issue Date: 3/14/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Ashcroft Homes - Eastboro Inc.***
Renaud Road Ottawa ON

Database: ***CA***

Certificate #: 7226-6GLJQM
Application Year: 2011
Issue Date: 6/24/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Mer Bleue Rd (Innes Rd 700m south) Ottawa ON

Database: ***CA***

Certificate #: 2501-6V7Q25
Application Year: 2006
Issue Date: 11/10/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:

Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Minto Communities Inc.***
Part 3, RP 4R-7806, Ward (2), Orleans Ottawa ON

Database: ***CA***

Certificate #: 9811-856NNC
Application Year: 2010
Issue Date: 5/7/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 9817-7WNR3C
Application Year: 2009
Issue Date: 10/15/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 3841-632P4R
Application Year: 2004
Issue Date: 7/20/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 1207-5YPRH9
Application Year: 2004

Issue Date: 5/6/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***SUPERIOR PROPANE INC***
LOT 2 CON 3 NEPEAN TWP OTTAWA ON M1E 2N4

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 9558942
Status: EXPIRED
Instance ID:
Instance Type: FS Facility
Description:
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 8/1/1990
Original Source: EXP
Record Date: Up to May 2013

Site: ***Richcraft Homes Ltd.***
Ottawa, ON Canada ON

Database: ***EBR***

EBR Registry No: 019-1273
Ministry Ref No: KV-C-001-18
Notice Type: Instrument
Notice Stage: Proposal
Notice Date:
Proposal Date: February 27, 2020
Year: 2020
Decision Posted:
Exception Posted:
Section: Section 17 (2) (c)
Act 1: Endangered Species Act , R.S.O. 2007
Act 2: Endangered Species Act, 2007
Site Location Map:
Instrument Type: Permit for activities to achieve an overall benefit to a species
Off Instrument Name: Permit for activities with conditions to achieve overall benefit to the species (ESA s.17(2) (c))
Posted By: Ministry of the Environment, Conservation and Parks
Company Name:
Site Address: Ottawa,
ON
Canada
Location Other:
Proponent Name: Richcraft Homes Ltd.
Proponent Address: 2280 St. Laurent Boulevard
Unit 201
Ottawa,
ON
K1G4K1
Canada
Comment Period: February 27, 2020 - March 28, 2020 (30 days) Closed
URL: https://ero.ontario.ca/notice/019-1273

Site Location Details:

Part of Lot 8, Concession 1 in the Geographic Township of March, Ottawa.

Site: ***Minto Communities Inc.***
Ottawa, Ontario CITY OF OTTAWA ON

Database: ***EBR***

EBR Registry No: 013-0315
Ministry Ref No: MNRF INST 30/17
Notice Type: Instrument Decision
Notice Stage: 860201441
Notice Date: September 28, 2017
Proposal Date: April 10, 2017
Year: 2017
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:
Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:

Site Location Details:

Ottawa, Ontario CITY OF OTTAWA

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 8813-9WYQ2J
Approval Date: 2015-06-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4625-9WXRTA-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 2268-9WYR3F
Approval Date: 2015-06-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3873-9WWLDY-14.pdf

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Site: ***Richcraft Homes Ltd.***
Ottawa ON K1G 4K1

Database: ***ECA***

Approval No: 9080-5UYQRL
Approval Date: 2004-01-08
Status: Approved
Record Type: ECA
MOE District:
City:
Longitude:
Latitude:

Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5802-5UQM74-14.pdf		

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	0606-AHXJCH	***MOE District:***	
Approval Date:	2017-02-02	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4552-AHSJ74-14.pdf		

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	7661-ABCKQL	***MOE District:***	
Approval Date:	2016-06-30	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5664-AB4KGV-14.pdf		

Site: ***Richcraft Homes Ltd.***
Ottawa ON K1G 4K1

Database: ***ECA***

Approval No:	6566-A7AMSG	***MOE District:***	
Approval Date:	2016-02-23	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1204-A4KTW4-14.pdf		

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	8270-A3ZLU2	***MOE District:***	
Approval Date:	2015-11-10	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8185-A3PRB5-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 7971-9EAST8
Approval Date: 2014-01-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7322-9E4LGN-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 7202-97BLB4
Approval Date: 2013-05-23
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4553-95ZKWJ-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 0195-95LSVA
Approval Date: 2013-03-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1964-8XNJA4-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 3053-8YJNWU
Approval Date: 2012-10-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1397-8XNJGH-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 3002-8PBSB4
Approval Date: 2012-01-31
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6465-8NETCD-14.pdf

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Richcraft Homes Ltd.***
Ottawa ON K1G 4K1

Database: ***ECA***

Approval No: 5800-5UYNQD
Approval Date: 2004-01-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address:
Full Address:
Full PDF Link:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Richcraft Homes Ltd.***
Ottawa ON K1G 4K1

Database: ***ECA***

Approval No: 5204-4RGRNN
Approval Date: 2000-12-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal and Private Water Works
Project Type: Municipal and Private Water Works
Address:
Full Address:
Full PDF Link:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 7598-94TRX3
Approval Date: 2013-02-26
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2553-8VDQUF-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	1720-AKJGKQ	***MOE District:***	
Approval Date:	2017-03-24	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1769-AKEQQZ-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	3128-AQGJ6T	***MOE District:***	
Approval Date:	2017-08-23	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4569-AQCRKJ-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	8605-AYUHJG	***MOE District:***	
Approval Date:	2018-05-30	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7723-AYKNXD-14.pdf

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Site: ***City of Ottawa***
Brian Coburn Blvd Navan Road Ottawa ON K2G 6J8

Database: ***ECA***

Approval No:	3536-AZPKY6	***MOE District:***	
Approval Date:	2018-06-29	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Brian Coburn Blvd Navan Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9726-AZERBS-14.pdf

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	6142-BEJHCE	***MOE District:***	
Approval Date:	2019-08-01	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	-8403007.4223
SWP Area Name:		***Geometry Y:***	5691058.511699997
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0892-BDSKVQ-14.pdf		

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	1554-8Y2HZ6	***MOE District:***	
Approval Date:	2012-09-14	***City:***	
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1100-8WTMSY-14.pdf		

Site: ***Minto Communities Inc.***
ON

Database: ***PTTW***

EBR Registry No:	011-4898	***Decision Posted:***	
Ministry Ref No:	3046-8MLKW5	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	December 17, 2014	***Act 2:***	
Proposal Date:	November 04, 2011	***Site Location Map:***	
Year:	2011		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	Minto Communities Inc.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6		
Comment Period:			
URL:			

Site Location Details:

Mahogany Community Development Address: Lot: Part of Lots 4 and 5, Concession: A (Broken Front), Ottawa, City District Office: Ottawa GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 1-10 metres eg. Good Quality GPS, UTM Easting: 446650, UTM Northing: 5007555, , LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: , Longitude: CITY OF OTTAWA

Site: ***Minto Communities Inc.***
ON

Database: ***PTTW***

EBR Registry No:	012-9800	***Decision Posted:***	

Ministry Ref No:	5771-AJEJDR	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	October 06, 2017	***Act 2:***	
Proposal Date:	February 13, 2017	***Site Location Map:***	
Year:	2017		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	Minto Communities Inc.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6		
Comment Period:			
URL:			

Site Location Details:

Avalon West Community Address: Lot: 3 & Part of Lot 4, Concession: 11, Geographic Township: CUMBERLAND, Ottawa, City District Office: Ottawa GeoReference: Zone: 18, UTM Easting: 461611, UTM Northing: 5032496, UTM Location Description: S1- Lot 3 Concession 11, Site #: 5712-AJEJLA CITY OF OTTAWA

Site:
con 4 ON

Database:
WWIS

Well ID:	1522324	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/3/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	13722	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	04
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:	10044136	***Elevation:***	
DP2BR:	57	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	2/2/1988	***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:	931050962
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	55
Formation End Depth:	57
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050961
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	08
Mat2 Desc:	FINE SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	32
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050963
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	57
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050960
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	12
Mat3 Desc:	STONES

Formation Top Depth: 0
Formation End Depth: 32
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109802
Layer: 1
Plug From: 0
Plug To: 25
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522324
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10592706
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077194
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 59
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522324
Pump Set At:
Static Level: 24
Final Level After Pumping: 35
Recommended Pump Depth: 50
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 12
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: 934655082
Test Type:
Test Duration: 45

Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385833
Test Type:
Test Duration: 30
Test Level: 34
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903493
Test Type:
Test Duration: 60
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109850
Test Type:
Test Duration: 15
Test Level: 31
Test Level UOM: ft

Water Details

Water ID: 933480165
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 59
Water Found Depth UOM: ft

Site:
con 4 ON

Database:
WWIS

Well ID: 1517344
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
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: 9/2/1980
Selected Flag: Yes
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot:
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10039219
DP2BR: 57
Elevation:
Elevrc:

Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/25/1980
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931034869
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 57
Formation End Depth: 58
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931034867
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 42
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931034868
Layer: 3
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 50
Formation End Depth: 57
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931034866
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	42
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961517344
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10587789
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930068667
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	57
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991517344
Pump Set At:	
Static Level:	3
Final Level After Pumping:	8
Recommended Pump Depth:	40
Pumping Rate:	60
Flowing Rate:	
Recommended Pump Rate:	10
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:	10
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID: 934644778
Test Type:
Test Duration: 45
Test Level: 8
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934383699
Test Type:
Test Duration: 30
Test Level: 8
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934894470
Test Type:
Test Duration: 60
Test Level: 8
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934102857
Test Type:
Test Duration: 15
Test Level: 5
Test Level UOM: ft

Water Details

Water ID: 933473792
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 57
Water Found Depth UOM: ft

Site:
con 4 ON

Database:
WWIS

Well ID: 1519677
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
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: 6/21/1985
Selected Flag: Yes
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot:
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10041530
DP2BR: 78
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/6/1985
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931042374
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 78
Formation End Depth: 81
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931042371
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931042373
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 36
Formation End Depth: 78

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931042372
Layer: 2
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 4
Formation End Depth: 36
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961519677
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10590100
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930072517
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 78
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519677
Pump Set At:
Static Level: 9
Final Level After Pumping: 61
Recommended Pump Depth: 74
Pumping Rate: 13
Flowing Rate:
Recommended Pump Rate: 8
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: 934383880
Test Type: Draw Down
Test Duration: 30
Test Level: 61
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934108589
Test Type: Draw Down
Test Duration: 15
Test Level: 56
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934894620
Test Type: Draw Down
Test Duration: 60
Test Level: 61
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934653860
Test Type: Draw Down
Test Duration: 45
Test Level: 61
Test Level UOM: ft

Water Details

Water ID: 933476715
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80
Water Found Depth UOM: ft

Site:
con 3 ON

Database:
WWIS

Well ID: 1523548
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 29576
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: 7/21/1989
Selected Flag: Yes
Abandonment Rec:
Contractor: 2348
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot:
Concession: 03
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10045322	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	x	***East83:***	
Code OB Desc:	Unknown type in the lower layers(s)	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:		***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:	931055001
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931055002
Layer:	2
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10
Formation End Depth:	22
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961523548
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10593892
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930079298
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991523548
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	40
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933481846
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	32
Water Found Depth UOM:	ft

Site:
con 4 ON

Database:
WWIS

Well ID:	1517523	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/20/1981
Sec. Water Use:		***Selected Flag:***	Yes
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:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	04
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:	10039395	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	2/24/1981	***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:	931035449
Layer:	1
Color:	7
General Color:	RED
Mat1:	28
Most Common Material:	SAND
Mat2:	79
Mat2 Desc:	PACKED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931035451
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	175
Formation End Depth:	185
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931035450
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	

Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 175
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961517523
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10587965
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930068901
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 184
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930068902
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 185
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991517523
Pump Set At:
Static Level: 40
Final Level After Pumping: 105
Recommended Pump Depth: 120
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934645364
Test Type: Draw Down
Test Duration: 45
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895056
Test Type: Draw Down
Test Duration: 60
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934384288
Test Type: Draw Down
Test Duration: 30
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934102054
Test Type: Draw Down
Test Duration: 15
Test Level: 105
Test Level UOM: ft

Water Details

Water ID: 933474010
Layer: 1
Kind Code: 2
Kind: SALTY
Water Found Depth: 184
Water Found Depth UOM: ft

Site:
con 11 ON

Database:
WWIS

Well ID: 1528755
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 154668
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: 10/26/1995
Selected Flag: Yes
Abandonment Rec:
Contractor: 6006
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot:
Concession: 11
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10050291	***Elevation:***	
DP2BR:	105	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	2/12/1995	***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:	931070693
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60
Formation End Depth:	104
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931070692
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	7
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931070691
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0

Formation End Depth: 7
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070695
Layer: 5
Color: 6
General Color: BROWN
Mat1: 17
Most Common Material: SHALE
Mat2: 80
Mat2 Desc: POROUS
Mat3:
Mat3 Desc:
Formation Top Depth: 105
Formation End Depth: 106
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070694
Layer: 4
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 104
Formation End Depth: 105
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113708
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528755
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10598861
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087885

Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 106
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930087884
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 105
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528755
Pump Set At:
Static Level: 35
Final Level After Pumping: 80
Recommended Pump Depth: 95
Pumping Rate: 24
Flowing Rate:
Recommended Pump Rate: 10
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: 934649385
Test Type:
Test Duration: 45
Test Level: 80
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906567
Test Type:
Test Duration: 60
Test Level: 80
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105242
Test Type:
Test Duration: 15
Test Level: 80
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934388868
Test Type:	
Test Duration:	30
Test Level:	80
Test Level UOM:	ft

Water Details

Water ID:	933488582
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	105
Water Found Depth UOM:	ft

Site:
con 3 ON

Database:
WWIS

Well ID:	1521570	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/17/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	12555	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	03
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:	10043392	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/30/1987	***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:	931048515
Layer:	3
Color:	8
General Color:	BLACK

Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 51
Formation End Depth: 57
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048513
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 22
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048514
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 22
Formation End Depth: 51
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521570
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10591962
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075800
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:
Depth To: 57
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991521570
Pump Set At:
Static Level: 13
Final Level After Pumping: 44
Recommended Pump Depth: 51
Pumping Rate: 19
Flowing Rate:
Recommended Pump Rate: 10
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: 934652288
Test Type: Draw Down
Test Duration: 45
Test Level: 44
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934107045
Test Type: Draw Down
Test Duration: 15
Test Level: 21
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908960
Test Type: Draw Down
Test Duration: 60
Test Level: 44
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390727
Test Type: Draw Down
Test Duration: 30
Test Level: 29
Test Level UOM: ft

Water Details

Water ID: 933479193
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 57

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 Sep 2020

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-Jun 30, 2020

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.
Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

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: Jul 31, 2020

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-Jun 30, 2020

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 - Sep 2020

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-Dec 2019

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-Sep 30, 2020

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 2019

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: Jul 31, 2020

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-Oct 31, 2020

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-Sep 30, 2020

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-Oct 31, 2020

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-Jul 31, 2020

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, 2019

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: Jul 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-Apr 2020

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: Jul 31, 2020

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-Jul 31, 2020

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 2018

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: Jul 31, 2020

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-Jan 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, 2018

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-Mar 31, 2020

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-Aug 31, 2020

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-Jun 2020

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-Sep 30, 2020

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-Oct 31, 2020

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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

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-Sep 30, 2020

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: 1986-2016

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-Sep 2020

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-Jun 30, 2020

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.
The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Nov 2019

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, 2017

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-Aug 2019

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: Jul 31, 2020

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-Oct 31, 2020

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: Apr 30, 2020

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.

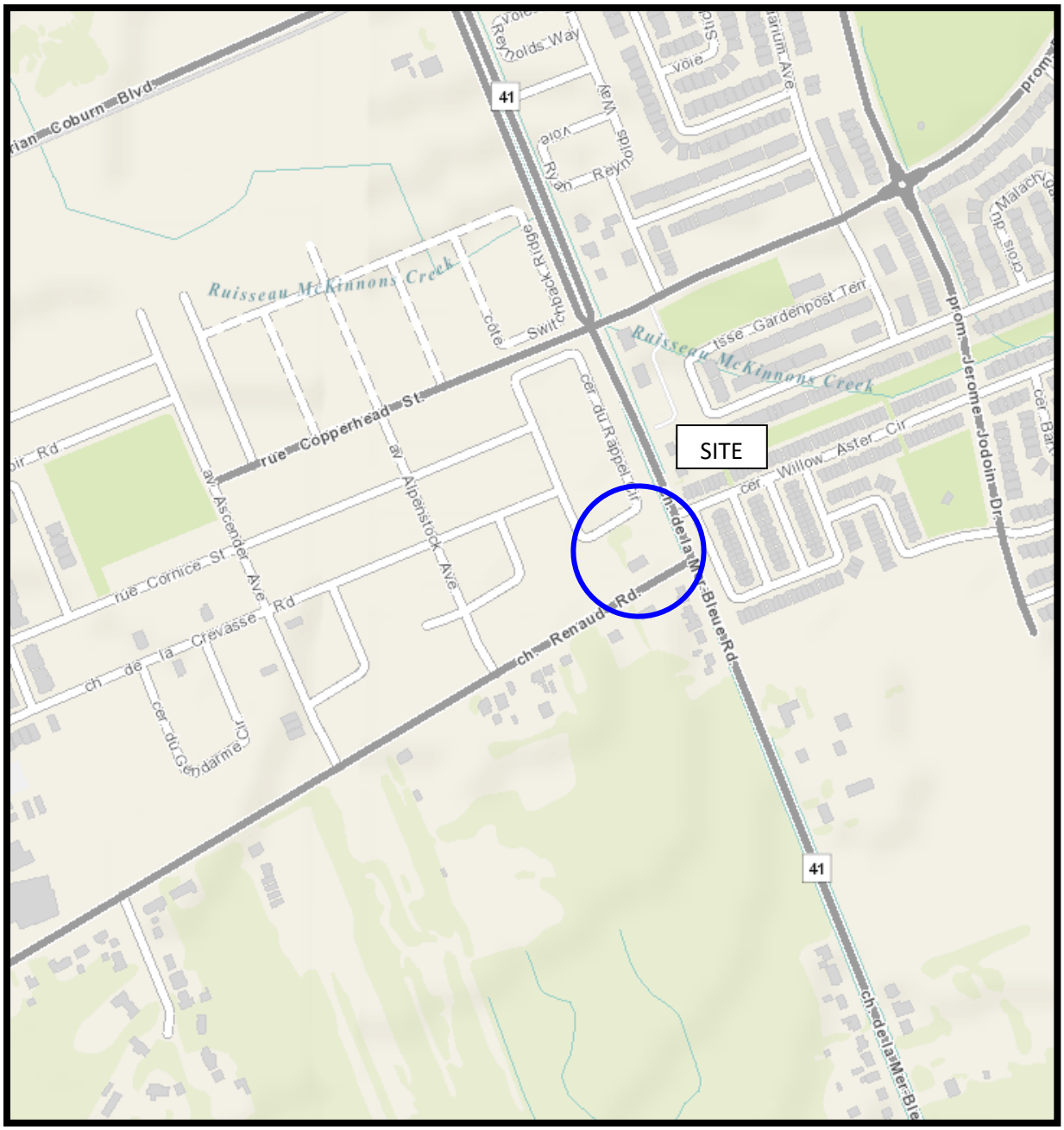

FIGURE 1

KEY PLAN

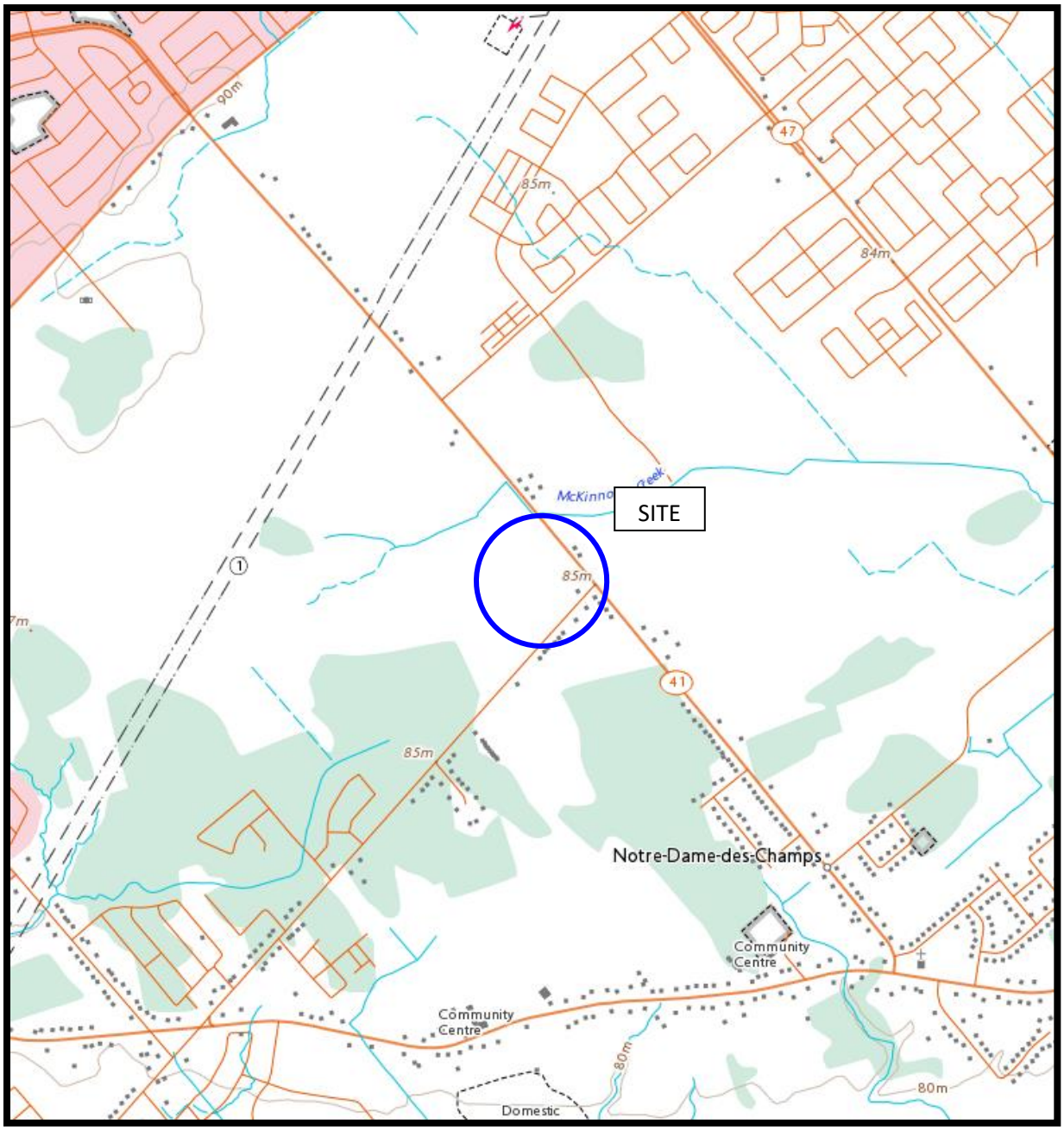

FIGURE 2

TOPOGRAPHIC MAP

224 RAPPEL CIRCLE
RESIDENTIAL
(UNDER CONSTRUCTION)

196 RAPPEL CIRCLE
RESIDENTIAL
(UNDER CONSTRUCTION)

RAPPEL CIRCLE

2351 MER-BLEUE ROAD
RESIDENTIAL

293-285 WILLOW ASTER CIRCLE
RESIDENTIAL

613-625 TARN WALK
RESIDENTIAL
(UNDER CONSTRUCTION)

255- 239 RAPPEL CIRCLE
RESIDENTIAL
(UNDER CONSTRUCTION)

FENCE

SHED

RADIO
TOWER

STORAGE
CONTAINERS

LANDSCAPED

191 RAPPEL CIRCLE
VACANT

LANDSCAPED

OVERHEAD
HYDRO LINE

MER BLEUE ROAD

WILLOW ASTER CIRCLE

GRAVEL DRIVEWAY

NATURAL GAS
CONNECTION

6618 RENAUD ROAD
ONE-STOREY
RESIDENTIAL
DWELLING

6635 RENAUD ROAD
VACANT

LANDSCAPED

6611-6587 RENAUD ROAD
RESIDENTIAL
(UNDER CONSTRUCTION)

GRAVEL PARKING LOT

WASTE STORAGE AREA

RENAUD ROAD

296-312 WILLOW ASTER CIRCLE
RESIDENTIAL

101-116 HELENIUM LANE
RESIDENTIAL

LEGEND:

PHASE I PROPERTY BOUNDARY

SCALE: 1:600

0 5 10 15 20 25 30m

6612 RENAUD ROAD
RESIDENTIAL

6618 RENAUD ROAD
RESIDENTIAL

2374 MER-BLEUE ROAD
RESIDENTIAL

PATERSON GROUP
9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

RICHCRAFT HOMES LTD.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
6615 & 6635 RENAUD ROAD AND 191 RAPPEL CIRCLE

OTTAWA, ONTARIO

Title:

SITE PLAN

Scale: 1:600	Date: 12/2024
Drawn by: GK	Report No.: PE0975-LET.09
Checked by: NS	Dwg. No.: PE0975-9
Approved by: MSD	Revision No.:

11x17

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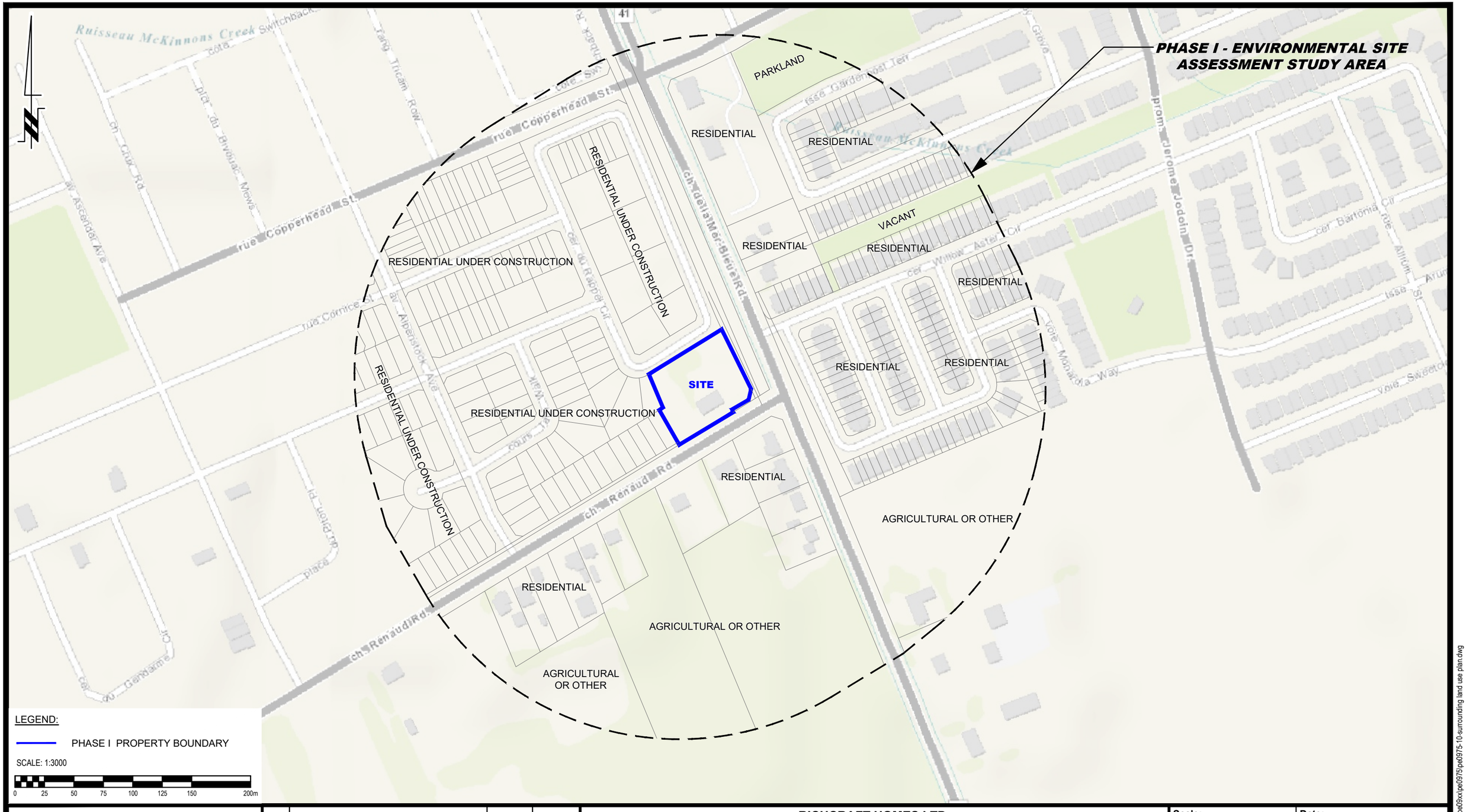

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NO.	REVISIONS	DATE	INITIAL

RICHCRAFT HOMES LTD.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
6615 & 6635 RENAUD ROAD AND 191 RAPPEL CIRCLE

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:3000	Date: 12/2024
Drawn by: GK	Report No.: PE0975-LET.09
Checked by: NS	Dwg. No.: PE0975-10
Approved by: MSD	Revision No.:

11x17

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