LOPERS & ASSOCIATES

Phase One Environmental Site Assessment

3380 Jockvale Road
Ottawa, Ontario

Prepared for:

Ottawa Community Housing Corporation

April 25, 2025

LOP25-011D

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1. Executive Summary

Lopers & Associates (Lopers) was retained by Ottawa Community Housing Corporation (OCH) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the undeveloped property with Civic address No. 3380 Jockvale Road, Ottawa, Ontario ("Phase One Property", "Property" or "Site").

This Phase One ESA is being completed as part of due diligence requirements associated with the submission of a Development Application to the City of Ottawa Municipal Planning Department.

The Phase One Property has never been developed or occupied for any developed use other than a portion of an agricultural greenhouse on the south portion of the Phase One Property from approximately 1965 to 2011. The Property has been vacant since 2011, OCH's (former) contractors began construction of the residential building foundations in 2024.

Approximately 15% of the Phase One Property was occupied by partially constructed foundations and the surrounding area in the north portion of the Site (approximately 20% of the Property) had been surfaced with granular fill. The remainder (Central and south portions) of the Phase One Property have been graded with a mix of silty sand and gravel fill material. It is suspected that this material may have originated from the recent excavated building foundation footprints on the north portion of the Phase One Property. No evidence of refuse, buried asphalt or poor quality fill material was observed in the recently graded fill. The stockpiles observed during the 2020 Site inspection were not present and may have contributed to the recently graded ground surface.

The Property is currently vacant with residential structures under construction, was most recently used for agricultural purposes and is zoned for residential use. The Phase One Property was acquired by the City of Ottawa in 2011 and transferred to OCH in 2022; OCH is in the process of developing the Property for residential use. The Phase One Property is immediately surrounded by municipal rights-of-way followed by residential properties to the north, east and west. The properties to the south of the Phase One Property are vacant, followed by the Jock River.

Three PCAs were identified at the Phase One Property; two of which extend onto the neighbouring property to the south. The presence of stockpiled soil fill material (PCA #1) was observed on the south-central portion of the Property. Historical agricultural use, with potential pesticide application, (PCA #2) was suspected across the east portion of the Property and neighbouring property to the south. The former presence of aboveground storage tanks (ASTs) and reported Petroleum Hydrocarbon (PHC) soil exceedances (PCA #3) were reported at the neighbouring property to the south, in the vicinity of the south Property limits and at the

neighbouring property to the south. The PCAs identified at the Phase One Property and at neighbouring properties in the Phase One Study Area are included in Table 1 below.

Table 1: Potentially Contaminating Activities and Areas of Potential Environmental Concern

PCA Report Reference No.	Potentially Contaminating Activity	Location	APEC Report Reference No.
1	Stockpiled Soil Fill Material (O.Reg. 153/04 PCA Item 10: Importation of Fill Material of Unknown Quality)	South-central portion of the Phase One Property	Not Applicable
2	Suspected Historical Application of Pesticides (O.Reg. 153/04 PCA Item 42: Pesticides Manufacturing, Processing, Bulk Storage and Large-Scale Applications)	East portion of the Phase One Property and neighbouring property to the south.	Not Applicable
3	Former Aboveground Storage Tanks at former nursery / greenhouse operations and reported PHC soil exceedances (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	South limits of the Phase One Property and neighbouring property to the south.	Not Applicable

Lopers completed an environmental Shallow Soil Sampling Program (SSSP) in conjunction with this Phase One ESA. The objectives of the SSSP were to collect shallow soil samples for laboratory analysis from locations in the vicinity of the PCAs identified in previous environmental reports and during the Phase One ESA Site investigation. Four shallow test pits were dug across the Property, including two test pits near the southeastern limits of the Property. Three additional shallow test holes were dug into the soil stockpile on the south-central portion of the Property. A total of six shallow soil samples were submitted for laboratory analysis of a combination of PHCs, benzene, toluene, ethylbenzene and xylenes (BTEXs), polycyclic aromatic hydrocarbons (PAHs), metals and inorganics and pesticides (including DDT).

All of the analyzed soil samples were in compliance with the Ministry of Environment, Conservation and Parks (MECP) Site Condition Standards (Table 3, Residential Land Use), with the exception of Electrical Conductivity (EC). EC exceedances were reported in two of the test pits (TP1-21 [and duplicate sample TP11-21] and TP2-21) at concentrations ranging from 743 uS/cm to 1,050 uS/cm compared to the MECP Table 3 Standard of 700 uS/cm. It should be noted that the presence of observed EC concentrations is not considered to pose a human health concern for the proposed residential development of the Property. A soil management will be required in the event that any excess soil is generated during development. Ecological considerations for plant growth, such as grass and community gardens, will be required should any soil with elevated EC concentrations remain at the Site following development. The presence of EC in excess of the MECP Site Condition Standards is not considered to represent an APEC for the Property and does not require a Phase Two ESA for further assessment.

As was previously noted, historical shallow soil PHC exceedances were reported off-site, near the south Property limit. Construction of a sewer in the vicinity of these historical exceedances was completed, which would have involved excavation of some of this soil. The timeframe of origination of soil stockpiles at the Phase One Property coincides with the construction of the sewer. The City of Ottawa has not provided any documentation of remediation for the aforementioned shallow soil exceedances. Sampling was completed on-site in the vicinity of the historical PHC shallow soil exceedances and from the stockpile as part of the SSSP. It should be noted that all PHCs were detected in the shallow soil samples collected from both test pits located on the south portion of the Site. Although there were PHC detections, the concentrations were in compliance with the MECP Table 3 Residential Land Use Standards, and also in compliance with the MECP Table 1 Background Standards. While PHCs exceedances were not identified at the Phase One Property as part of the SSSP, there is still the potential for PHC exceedances to be present at, or in the immediate vicinity of, the Property or within the stockpiled soil at the Property.

Given the analytical data from the 2021 SSSP which was completed to provide an assessment of the environmental soil quality in the vicinity of the aforementioned PCAs, none of the PCAs (PCA #1 through PCA #3) identified as part of this Phase One ESA are considered to represent an APEC for the Phase One Property.

A Phase Two Environmental Site Assessment is not required for the Phase One Property.

2. Introduction

Lopers & Associates (Lopers) was retained by Ottawa Community Housing Corporation (OCH) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the residential redevelopment property with Civic address No. 3380 Jockvale Road, Ottawa, Ontario ("Site" or "Phase One Property").

The Phase One Property is legally described as Part of Lots 12 and 13, Concession 2, Rideau Front, Nepean, being Parts 4 to 9, 11 to 13 and 16 on Registered Plan 4R-34672, now in the City of Ottawa and has a property identifier number of 04732-5801 as obtained from the Legal Plan of Survey prepared by the City of Ottawa Planning, Real Estate, Economic Development Department, Surveys and Mapping Branch, dated June 6, 2022. A copy of the Legal Survey Plan is presented in Appendix A. Figure 1 shows the Site location within the City of Ottawa.

Based on approximate dimensions obtained from the City of Ottawa's GIS mapping software, the Phase One Property has an approximate area of 9,543 m^2 (0.95 Hectares) and a zoning designation of R4Z [2465], which signifies a residential use zone. The approximate elevation of the Phase One Property as indicated on the Topographic Map and confirmed through City of Ottawa mapping and Google Earth is approximately 90 m above mean sea level (m AMSL). The approximate centre of the Phase One Property has Latitude and Longitude coordinates of 45° 15' 46" N and 75° 44' 10" W and Universal Transverse Mercator (UTM) coordinates of 442250 m E and 5012410 m N.

The Phase One Property is currently owned by Ottawa Community Housing Corporation. It is Lopers' understanding that OCH has a concept for development of the Phase One Property. It is Lopers' understanding that OCH intends to redevelop the Phase One Property for residential purposes, including the current concept for construction of four buildings approximately three storeys in height, with partial subgrade floors and/or utility rooms. A copy of the Development Concept Plan of the Property, prepared by Lemay Michaud, is presented in Appendix B.

This Phase One ESA was commissioned by Mr. Dylan Bennett, Project Manager – Development for OCH. Ottawa Community Housing Corporation has a business address of 39 Auriga Drive, Ottawa, Ontario, K2E 7Y8 and a business telephone number of 613-731-1182.

3. Scope of Investigation

This Phase One ESA has been completed as per the details of scope presented in Lopers' Letter entitled "Proposal for Phase One Environmental Site Assessment Update, Proposed Residential Re-Development, 3380 Jockvale Road, Ottawa, ON", dated March 6, 2025, reference No. PRO-011D-25-OCH.

The Phase One ESA has been prepared in accordance with the technical requirements and formatting guidance as presented by the Ministry of Environment, Conservation and Parks (MECP) in Ontario Regulation (O.Reg.)153/04, as amended July 1, 2020. This format is based on the provincial regulation for brownfields redevelopment and has been adopted as a standard by the City of Ottawa for development applications.

The scope of work for the Phase One ESA involved the following components:

- Historical Research (Review of available historical reports, public environmental databases, Fire Insurance Plans (FIPs), Aerial Photographs, geological mapping and any other relevant environmental records which were readily accessible at the time of the Phase One ESA);
- Requests for Information from the MECP Freedom of Information (FOI) and City of Ottawa Historical Land Use Inventory (HLUI);
- Subcontracted research of environmental databases through Environmental Risk Information Services (ERIS);
- Previously commissioned Property Title Search (subcontracted through READ Abstracts Limited and reviewed herein) updated with active Land Title Registration.
- Physical Site inspection
- Interviews with persons knowledgeable about the Property and past uses
- Interpretation of findings
- Preparation of a Phase One ESA report

The specific objectives of the Phase One ESA are to:

- Provide an overview of the Phase One Environmental Site Assessment conducted with respect to the Phase One Property.
- Provide an environmental record of the Phase One Property, in a manner that can be assessed, tested and reconstructed, to document and demonstrate:
  - How the objectives of the Phase One ESA were achieved and how the requirements for the objectives were met;
  - Whether further investigation is required to submit a Record of Site Condition (RSC) for filing;
  - Whether there exists an adequate basis for further investigation; and,
  - The basis for required certifications.

4. Records Review

a) General

i. Phase One Study Area

The Phase One Study Area includes the Phase One Property and properties with the boundaries within 250 m of the Phase One Property limits (see Figure 3). Based on a review of the Phase One Property and properties in the Phase One Study Area, their associated historical and/or current uses and operations and physical characteristics of the Phase One Study Area, it was determined that an assessment of properties within 250 m of the Phase One property was sufficient to meet the objectives of the scope of this investigation for a Phase One ESA.

ii. First Developed Use Determination

A land title search was completed by READ Abstracts Limited for the Phase One Property. The title search indicates that the Phase One Property was owned by individuals since from at least 1852 until 1994 when ownership of portions of the Property began to be transferred to the municipality (City of Nepean followed by City of Ottawa). No developed use was observed in a review of the land title search.

Aerial photographs reviewed from 1936 through 2022 do not show that the Phase One Property occupied for any developed use other than a portion of a greenhouse on the south limits of the Property. No historical records, indicating the potential developed use of the Phase One Property were obtained as part of any of the other historical research completed during this Phase One ESA.

Based on the information reviewed as part of this Phase One ESA, specifically title search and aerial photographs, the Phase One Property has never been developed or occupied for any developed use other than a portion of a greenhouse on the south limits of the Property, and the current O.Reg. 153/04 property use classification is considered to be Agricultural or Other Use.

iii. Fire Insurance Plans

Fire insurance plans (FIPs), were reviewed where available, for the City of Ottawa as part of this Phase One ESA.

There was no coverage in the FIPs for the Phase One Property or for properties located in the Phase One Study Area as part of available FIPs.

iv. Chain of Title

A chronological chain of title was prepared by READ Abstracts Limited for the Phase One Property in 2020. The chain of title provides the names of historical owners, lessees and dates of ownership for the Phase One Property dating back to 1852. The legal description as obtained

from the Chain of Title was Part of Lot 12 and 13, Concession 2 RF Nepean, being Parts 1, 2, 3, and 4 on 4R33029, now in the City of Ottawa with a property identifier number part of 04732-5798. OCH provided Lopers with Legal Parcel Registers from 2025 to supplement the chain of tile information from 2020.

Based on additional historical research completed as part of this Phase One ESA and a review of the chain of title, the Phase One Property was agricultural with no developed use prior to at least 1953. A chain of title ownership summary was prepared dating back to 1852 and is presented in Table 2 below. A copy of the Chain of Title for the Phase One Property, as prepared by READ Abstracts Limited for the Phase One Property is provided in Appendix C.

Table 2: Chain of Title Ownership Summary

Year(s)	Phase One Property Ownership
Lot 12, Concession 2	
Prior to 1867	Robert Grant
1867	Robert Lyon
1867 to 1868	Anna Stevens
1968 to 1873	A.J. Eastman
1873 to 1891	Elisa Grant
1891 to 1896	William Findlay
1896 to 1924	John Monaghan
1924 to 1939	Bridgette Monaghan
1939 to 1948	Harold Going
1948 to 1994	Earl C. and Ursula M. Rogers
1994 to 2011	Ronald Earl Gamble & Ruth Lee Gamble
2011 to present	The Corporation of the City of Ottawa
Lot 13, Concession 2	
Prior to October 25, 1852	Doubles Collings
1852 to 1887	Pamelia Clothier
1887 to 1893	John Dunn
1893 to 1898	Bernard Dunn
1898 to 1901	Bernard Dunn & William Dunn
1901 to 1948	William Dunn
1948 to 1961	John E. Dunn
1961 to 1984	Earl C. & Ursula M. Rogers

Year(s)	Phase One Property Ownership
1984 to 1994	Irene A. M. Dunn and Ronald Earl Gamble & Ruth Lee Gamble
1994 to 2011	The Corporation of the City of Nepean and Ronald Earl Gamble & Ruth Lee Gamble
2011 to present	The Corporation of the City of Ottawa (formerly City of Nepean)
Entire Phase One Property	
February 25, 2011 to 2022	The Corporation of the City of Ottawa
December 20, 2022 to Present	Ottawa Community Housing Corporation

Based on the chain of title ownership summary there are no defined Potentially Contaminating Activities (PCAs) known to be associated with the ownership of the Phase One Property.

v. Environmental Reports

OCH and the City provided the following seven reports for review as part of this Phase One ESA:

1. "Phase I Environmental Site Assessment, Gambles Nursery, 3392-3394 Jockvale Road, Ottawa, Ontario", dated August 23, 2010, completed by AMEC Earth & Environmental for The City of Ottawa. ("2010 AMEC Phase I ESA")
2. "Phase II Environmental Site Assessment, Gambles Nursery, 3392-3394 Jockvale Road, Ottawa, Ontario", dated September 2010, completed by AMEC Earth & Environmental for The City of Ottawa. ("2010 AMEC Phase II ESA")
3. "Phase I Environmental Site Assessment, South Nepean Collector Phase 2, Bren-Maur Road at Longfields Drive to Strandherd Drive, Ottawa, Ontario", dated March 2016, completed by Golder Associates Ltd. for Novatech Consultants Ltd. ("2016 Golder Phase I ESA")
4. "Phase II Environmental Site Assessment and Materials Management, South Nepean Collector Phase 2, Ottawa, Ontario", dated April 2016, completed by Golder Associates Ltd. for Novatech Consultants Ltd. ("2016 Golder Phase II ESA")
5. "DRAFT - Phase One Environmental Site Assessment, 3311 Greenbank Road, Ottawa, Ontario", dated March 2017, completed by Golder Associates Ltd. for Minto Communities. ("2017 Golder Phase One ESA")
6. "Shallow Soil Sampling and Laboratory Analytical Testing Program, Proposed Residential Development, 3380 Jockvale Road, Ottawa, ON", dated March 10, 2021, completed by Lopers & Associates for OCH. ("2021 Lopers Shallow Soil Sampling Program")
7. "Geotechnical Investigation, Proposed Residential Development, 3380 Jockvale Road, Ottawa, Ontario", dated January 26, 2021, completed by Paterson Group Inc. for OCH. ("2021 Paterson Geotechnical Investigation")

8. "Phase One Environmental Site Assessment, 3380 Jockvale Road, Ottawa, Ontario", dated March 10, 2021, completed by Lopers & Associates for OCH ("2021 Lopers Phase One ESA")

52010 AMEC Phase I ESA

The 2010 AMEC Phase I ESA was completed for the neighbouring property to the south; the southern limits of the Phase One Property were included as part of the 2010 AMEC Phase I Property. The 2010 AMEC Phase I ESA property was occupied by Gambles Nursery at the time of the 2010 AMEC Phase I ESA and had been occupied for this use since approximately 1965. APECs were identified at the nursery property, particularly with respect to storage and use of heating oil and with the suspected application of pesticides. A Phase II ESA was recommended to assess the environmental conditions at the nursery property.

The aforementioned activities were reported to have occurred at and/or in the vicinity of the Phase One Property and are considered to represent PCAs. The historical suspected application of pesticides at the neighbouring property to the south was interpreted as Potentially Contaminating Activity #2 (PCA #2) associated with "Pesticides Manufacturing, Processing, Bulk Storage and Large-Scale Applications" (O.Reg. PCA item #42). The storage of fuel in ASTs at the neighbouring property to the south was interpreted as Potentially Contaminating Activity #3 (PCA #3) associated with "Gasoline and Associated Products in Fixed Tanks" (O.Reg. PCA item #28).

2010 AMEC Phase II ESA

The 2010 AMEC Phase II ESA was completed to assess the APECs identified for the neighbouring nursery property to the south of the Phase One Property. Petroleum hydrocarbon (PHC) soil concentrations were reported to exceed the MECP Residential Site Condition Standards in one of the surface soil sampling locations in the immediate vicinity of the south Property limits and elevated PHC concentrations were also observed in another surface soil sampling location in this area. Soil concentrations of Electrical Conductivity (EC) were found in excess of the MECP Site Condition Standards in several of the surface soil sampling locations and were generally found to decrease with sampling depth. Some detectable concentrations of pesticides were reported in soil samples from the nursery property, however, all of these concentrations were in compliance with the MECP Site Condition Standards. Pesticide (including DDT) exceedances were reported in the nursery property groundwater, however, these exceedances were not near the Phase One Property, and monitoring wells between the exceedance locations and the Property had groundwater concentrations in compliance with the MECP Site Condition Standards.

- The analytical results from the 2010 AMEC Phase II ESA confirm that soil in the vicinity of the south portion of the Phase One Property was impacted with PHCs in excess of the MECP Site Condition Standards. As previously noted, the storage of

fuel related to the PCA of "Gasoline and Associated Products Storage in Fixed Tanks" and is considered PCA #3 for the Property.

2016 Golder Phase I ESA

The 2016 Golder Phase I ESA was completed for a proposed sewer to be constructed immediately south of the Phase One Property. The 2016 Golder Phase I ESA included land on the southern portion of the property and the study area included the Phase One Property. The 2016 Golder Phase I ESA identified the same APECs identified for the nursery property as were identified in the 2010 AMEC Phase I ESA and recommended a Phase II ESA.

2016 Golder Phase II ESA

The 2016 Golder Phase II ESA reiterated the findings of the 2010 AMEC Phase II ESA with respect to pertinent analytical data with respect to the soil in the vicinity of the Phase One Property. Golder's recommendations for management of PHC impacted soil were as follows: *"Any soils with petroleum hydrocarbon impacts encountered in this area should be segregated and tested for disposal or re-use. Material which exceeds MOE Table 3 should be disposed off-Site at a licenced waste disposal site."* No recommendations were made with respect to the management of soil with EC concentrations in excess of the MECP Site Condition Standards with the exception that these soils *"should be reinstated at the top of the excavation and be addressed at a later date by the City."*

2017 Golder Phase One ESA

The 2017 Phase One ESA was completed on a larger parcel of land which included the Phase One Property. At the time of the 2017 Site reconnaissance, the Property was vacant, however, it was also noted to be snow covered, which limited observations of the ground surface. The Phase One ESA identified two potentially contaminating activities (PCAs) at neighbouring properties in the Phase One Study Area, however, neither of which were interpreted to represent an Area of Potential Environmental Concern (APEC) for Site, by Golder. The identified PCAs and their distance and orientation with respect to the Phase One Property are presented below.

- Golder, referencing the aforementioned studies (2010, 2016), references the observed presence of surficial staining in the vicinity of some of the fuel storage aboveground storage tanks (ASTs) at the adjacent property to the south of the Property. This property was reportedly occupied by a nursery with a residential dwelling a storage shed, 13 greenhouses and a retail office, several of which were heated by heating oil stored in up to 10 ASTs at this property. Some sampling and analytical results were discussed with respect to the soil quality at this property in the vicinity of the ASTs. There were reported exceedances of the residential Site Condition Standards for Petroleum Hydrocarbons (PHCs) fractions F2 and F3 in a sample approximately 5 m south of the Phase One Property; a deeper sample in a down-gradient borehole (further south of the Property) was in compliance with the Site Condition Standards. Groundwater sampling did not report the presence of any PHC

groundwater exceedances of the Site Condition Standards. The presence of ASTs at the neighbouring property to the south was interpreted as this study's Potentially Contaminating Activity #3 (PCA #3) associated with "Gasoline and Associated Products in Fixed Tanks" (O.Reg. PCA item #28). Golder did not interpret PCA #3 as an Area of Potential Environmental Concern (APEC).

- Golder, referencing aforementioned studies (2010, 2016), stated that, in additional sampling locations, exceedances of the Residential Site Condition Standards were noted in shallow soil samples for boron, cyanide, electrical conductivity and sodium absorption ratio, which were attributed to greenhouse operations. The presence of the pesticide DDT was reported in shallow soil samples in excess of the Agricultural Site Condition Standards and was also suspected to be associated with greenhouse operations. Groundwater sampling did not report the presence of any pesticides or cyanide groundwater exceedances of the Site Condition Standards. The historical suspected application of pesticides at the neighbouring property to the south was interpreted as this study's Potentially Contaminating Activity #2 (PCA #2) associated with "Pesticides Manufacturing, Processing, Bulk Storage and Large-Scale Applications" (O.Reg. PCA item #42). Golder did not interpret PCA #2 as an APEC.

2021 Lopers Shallow Soil Sampling Program (SSSP)

Lopers completed an environmental Shallow Soil Sampling Program (SSSP) in conjunction with this Phase One ESA. The objectives of the SSSP were to collect shallow soil samples for laboratory analysis from locations in the vicinity of the PCAs identified in previous environmental reports and during the Phase One ESA Site investigation. Four shallow test pits were dug across the Property, including two test pits on the southern limits of the Property. Three additional shallow test holes were dug into the soil stockpile on the south-central portion of the Property. A total of six shallow soil samples were submitted for laboratory analysis of a combination of PHCs, benzene, toluene, ethylbenzene and xylenes (BTEXs), polycyclic aromatic hydrocarbons (PAHs), metals and inorganics and pesticides (including DDT).

All of the analyzed soil samples were in compliance with the Ministry of Environment, Conservation and Parks (MECP) Site Condition Standards, with the exception of Electrical Conductivity (EC). EC exceedances were reported in two of the test pits (TP1-21 [and duplicate sample TP11-21] and TP2-21) at concentrations ranging from 743 uS/cm to 1,050 uS/cm compared to the MECP Table 3 Standard of 700 uS/cm. It should be noted that the presence of observed EC concentrations is not considered to pose a human health concern for the proposed residential development of the Property. A soil management will be required in the event that any excess soil is generated during development. Ecological considerations for plant growth, such as grass and community gardens, will be required should any soil with elevated EC concentrations remain at the Site following development. The presence of EC in excess of the MECP Site Condition Standards is not considered to represent an APEC for the Property and does not require a Phase Two ESA for further assessment.

As was previously noted, historical shallow soil PHC exceedances were reported near the south Property limit. Construction of a sewer in the vicinity of these historical exceedances was completed, which would have involved excavation of some of this soil. The timeframe of origination of soil stockpiles at the Phase One Property coincides with the construction of the sewer. The City of Ottawa has not provided any documentation of remediation for the aforementioned shallow soil exceedances. Sampling was completed in the vicinity of the historical PHC shallow soil exceedances and from the stockpile as part of the SSSP. It should be noted that all PHCs were detected in the shallow soil samples collected from both test pits located on the south portion of the Site. Although there were PHC detections, the concentrations were in compliance with the MECP Table 3 residential land use standards, as well as the MECP Table 1 Background standards. While PHCs exceedances were not identified at the Phase One Property as part of the SSSP, there is still the potential for PHC exceedances to be present at, or in the immediate vicinity of, the Property or within the stockpiled soil at the Property.

Given the analytical data from the 2021 SSSP which was completed to provide an assessment of the environmental soil quality in the vicinity of the aforementioned PCAs, none of the PCAs (PCA #1 through PCA #3) identified as part of this Phase One ESA are considered to represent an APEC for the Phase One Property.

2021 Paterson Geotechnical Investigation

A Geotechnical Investigation report was prepared by Paterson in 2021. Lopers supervised the fieldwork for the Geotechnical drilling investigation in January of 2021. Three boreholes were drilled to depths of approximately 6 m below ground surface (BGS). Soil conditions were generally found to consist of a thin layer of topsoil over silty sand and gravel fill, followed by silty sand and gravel glacial till. No evidence of odours, staining, elevated volatile vapour headspace concentrations or deleterious fill were observed during the geotechnical drilling investigation.

2021 Lopers Phase One ESA

At the time of the 2020 Lopers Phase One ESA the Property had been vacant since 2011. Approximately 90% of the Phase One Property was covered with sand and gravel, while approximately 10% of the Property was covered with soil stockpiles.

Three PCAs were identified at the Phase One Property; two of which extend onto the neighbouring property to the south. The presence of stockpiled fill material was observed on the south-central portion of the Property. Historical pesticide application was suspected across the east portion of the Property and neighbouring property to the south. The presence of aboveground storage tanks (ASTs) and reported Petroleum Hydrocarbon (PHC) soil exceedances were reported at the neighbouring property to the south, in the vicinity of the south Property limits and at the neighbouring property to the south.

Given the analytical data from the 2021 SSSP which was completed to provide an assessment of the environmental soil quality in the vicinity of the aforementioned PCAs, none of the PCAs (PCA #1 through PCA #3) identified as part of this Phase One ESA are considered to represent an APEC for the Phase One Property. A Phase Two Environmental Site Assessment was not recommended for the Phase One Property. Figure 2: Site Plan depicts the general Site conditions, PCA locations and sampling locations as part of the 2021 SSSP.

b) Environmental Source Information

A review of the readily available environmental source information records was completed as part of this Phase One ESA.

As part of environmental source information review, Environmental Risk Information Systems (ERIS) was also contracted to complete a search of their records of environmental data bases within 250 m of the Site. The pertinent search results to this Phase One ESA are presented in the following subsections. A copy of the ERIS database search is included as Appendix D.

National Pollutant Release Inventory

The National Pollutant Release Inventory (NPRI) is a database maintained by Environment and Climate Change Canada (ECCC). Reporting of releases of pollutants into the natural environment are reported annually by corporations and/or their representatives and posted for public record by ECCC. Presently, data is available and posted for the years 1994 through 2023. No records were identified within 250 m of the Phase One Property during a review of the posted NPRI data on the ECCC electronic website on April 23, 2025 and the results were confirmed through the subcontracted ERIS search, dated April 25, 2025.

Polychlorinated Biphenyl (PCB) Inventories

The MECP, formerly known as the Ministry of Environment and Energy, published the "Ontario Inventory of PCB Storage Sites". The inventory documented the company information, physical address, number of tonnes of liquid PCBs by region. No records were identified within 250 m of the Phase One Property during a review this document and the results were confirmed through the subcontracted ERIS search, dated April 25, 2025.

The ERIS search also reviewed the National PCB Inventory, which details in-use PCB containing equipment in federal, provincial and private facilities; this database was last updated in 2008. No records were identified within 250 m of the Phase One Property during a review this database.

Environmental Instruments

Environmental Instruments, such as Environmental Compliance Approvals (ECAs), Certificates of Approval (CAs), Permits to Take Water (PTTWs), Risk Management Plans (RMPs), and Certificates of Property Use (CPUs) are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist,

they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of any such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA; the response dated April 16, 2025 is included as Appendix E. There was a record of a sanitary sewer present along the Geyser Place alignment, which extends onto the south portion of the Phase One Property. This newly (2018) constructed municipally owned infrastructure has not been interpreted as PCAs and does not represent an APEC for the Phase One Property. The ERIS search confirmed the records of the aforementioned CA/ECAs issued for municipal and private sewage works, which are not considered to be constitute PCAs.

Inventory of Coal Gasification Plants

The document "Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume II", produced by Intera Technologies Ltd. for the Ontario Ministry of the Environment, dated July 1988 was reviewed as part of this Phase One ESA. No records were identified within 250 m of the Phase One Property during a review of this document and the results were confirmed through the subcontracted ERIS search, dated April 25, 2025.

Environmental Records of Incidents, Orders, Offences, Spills, Discharges of Contaminants or Inspections maintained by the Ministry

Environmental records of incidents, orders, offences, spills, discharges of contaminants or inspections are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA, which did not identify any records of incidents, spills or orders at the Phase One Property. The ERIS search did not identify any records of environmental incidents or orders at the Phase One Property; however, one record a of spill was identified within 250 m of the Phase One Property. A pipe/hose leak from a (cargo) truck tank was recorded at 3415 Jockvale Road, approximately 80 m southeast of the Phase One Property, in December of 1998; impact to land was not anticipated. This spill is not a PCA and therefore does not represent an APEC for the Phase One Property.

Waste Management Records

Waste management records, including current and historical waste storage locations and waste generator and waste receiver information maintained pursuant to Regulation 347 of the Revised Regulations of Ontario, 1990 (General — Waste Management) made under the Act, or its predecessors are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can

generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA, which did not identify any waste management records at the Phase One Property. The ERIS search did not identify any waste generators at the Phase One Property or within 250 m of the Phase One Study Area.

MECP Property Specific Reports

Reports submitted to the Ministry related to environmental conditions are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA, which did not identify any MECP Property Specific Reports for the Phase One Property. The ERIS search did not identify any records of environmental reports at the Phase One Property, or properties within 250 m of the Phase One Property.

Technical Standards and Safety Authority

Records of retail fuel storage tanks, retail fuel outlets, spills, releases, and other associated information is maintained by the Technical Standards and Safety Authority (TSSA). These records can be obtained through electronic communications with the TSSA. The subcontracted ERIS search also confirms the filing of such records associated with properties.

The TSSA was contacted by email to complete a search of available records associated with the current property address and addresses of surrounding properties with historical environmental listings (based on other historical research). The TSSA response, received on December 16, 2020, did not identify the presence of any fuel storage tanks at the Phase One Property or immediately adjacent properties. A copy of the TSSA response is included as Appendix F.

The subcontracted ERIS search did not identify any records of private and retail fuel storage tanks or historic incidents in the Phase One Study Area.

Registry Filings

Records of notices and instruments, including records of site condition (RSC), which have been posted in the environmental registry, are maintained by the MECP. These records can be reviewed electronically on the MECP Environmental Site Registry (ESR) website. The subcontracted ERIS search also confirms the filing of such records associated with properties. The website was reviewed for RSCs filed at the Phase One Property and in the Phase One Study Area; no RSCs have been filed for the Phase One Property.

An RSC based on generic Site Condition Standards, was filed for the adjacent (down-gradient) property to the south of the Phase One Property. or for any properties in the Phase One Study Area. There were no unassessed PCAs or APECs identified at the Phase One Property identified in a review of the RSC supporting documentation for the adjacent lands.

Areas of Natural and Scientific Interest

Records of areas of natural and scientific interest (ANSIs) formerly referred to as areas of natural significance, are maintained by the Ministry of Natural Resources and Forestry (MNRF), and are available for review on the Ontario GeoHub website. The website was reviewed on April 22, 2025 for records of ANSIs in the Phase One Study Area. There were no ANSIs identified within 250 m of the Phase One Property. The GeoHub mapping appears to depict a wetland to the south of the Jockvale River.

Current and Historical Landfills

Records of historical and operating landfills is maintained by the MECP. The document "Waste Disposal Site Inventory", produced by the Ontario Ministry of the Environment, dated June 1991 was reviewed as part of this Phase One ESA. No records were identified within 250 m of the Phase One Property during a review of this document.

The City of Ottawa contracted Golder Associates Ltd. to conduct an inventory and assessment of former waste disposal sites in within the City of Ottawa. The document "Old Landfill Management Strategy, Phase 1 – Identification of Sites, City of Ottawa, Ontario", produced by Golder Associates Ltd., finalized October 2004, was reviewed as part of this Phase One ESA. No records of active or former landfills were identified within 250 m of the Phase One Property during a review of this document.

City of Ottawa Historical Land Use Inventory

The City of Ottawa's Planning, Infrastructure and Economic Development department was contacted to complete a search of the Historical Land Use Inventory (HLUI) maintained by the City. The response, received on April 4, 2025, indicated that the HLUI search identified records (of environmental significance) at the Phase One Property which were maintained by the City's Environmental Response Unit (ERU). The ERU provided four of the previous environmental reports which were reviewed and are documented in Section 4.1.5. Records pertained to historical use of the neighbouring property to the south and the south portion of the Phase One Property by a former nursery.

Additionally, 3 activities were identified at four properties within the Phase One Study Area.

- Gamble's Greenhouses was identified in 2005 at 3392 Jockvale Road, immediately south of the Phase One Property. The activity of a greenhouse and information provided in the HLUI response does not represent a PCA, however, associated activities with greenhouse

operations which were identified in prior sections of this report are associated with PCA #3.

- Mastertrades Home Services was identified in 2001 at 3265 Jockvale Road, approximately 500 m southwest of the Phase One Property. This listing has not been interpreted as a PCA and does not represent an APEC for the Phase One Property.
- A private fuel outlet with 3 fuel storage tanks, (1) 25,000 L diesel, (2) 10,000 L gasoline, was identified at 4244 Jockvale Road and were registered to the Regional Municipality of Ottawa Carleton. The HLUI mapping indicates this location is adjacent to the west of the Site, however, the "The 'Image Certainty' of 3 infers that there is not a high confidence level in the accuracy of this information (i.e. it should be corroborated with other sources to confirm if this feature did or did not in fact occur at the plotted location). No other sources have indicated the current or historical presence of a private fuel outlet in the Phase One Study Area. Furthermore, a municipal works yard is located at 4244 Rideau Valley Drive (an extension of Jockvale Road), approximately 4.4 km to the southeast. Supplemental correspondence from the City of Ottawa indicates that the record of the fuel outlet could indeed be the 4244 Rideau Valley Drive location. It is Lopers' interpretation that the HLUI mapping location shown for this private fuel outlet is erroneous and it has not been interpreted as a PCA or APEC in the Phase One Study Area.

The previously identified PCA #3 on the neighbouring land to the south was confirmed during the review of the HLUI. A copy of the HLUI response letter and supplemental correspondence is included in Appendix G.

c) Physical Setting Sources

i. Aerial Photographs

Aerial Photographs were reviewed for the Phase One Property and Phase One Study Area from available sources as part of the historical review. Aerial photographs were reviewed from historical research previously completed in the Phase One Study Area, Google Earth Aerial Imagery and from the City of Ottawa's geoOttawa GIS tool. Supplemental aerial photographs were ordered through (ERIS) and were reviewed. Aerial Photographs were reviewed over the period of 1936 through 2022, which depict the development at the Phase One Property. A summary of the information gleaned from the aerial photographs is provided below. Copies of the aerial photographs reviewed are provided in Appendix H.

1936 Aerial Photograph

Phase One Property is undeveloped and appears to be vegetated and/or used for agricultural purposes. Surrounding properties appear to be used for agricultural and/or rural/residential purposes. Jockvale Road is present to the east of the Property. The Jock River is present approximately 130 m south of the Property. A residence is present approximately 70 m south of the Property.

1953 Aerial Photograph

No significant changes appear to have been made to the Phase One Property or to the neighbouring properties in the Phase One Study Area.

1976 Aerial Photograph

No significant changes appear to have been made to the majority of the Phase One Property; the south extent of the Phase One Property appears to be occupied by a portion of a greenhouse, which extends onto the neighbouring property to the south, which has several additional greenhouses and agricultural buildings. No other significant changes appear to have been made to the neighbouring properties in the Phase One Study Area.

1991 Aerial Photograph

No significant changes appear to have been made to the Phase One Property or to the neighbouring properties in the Phase One Study Area. The neighbouring property to the south has constructed additional greenhouses and agricultural buildings.

2002 Aerial Photograph

No significant changes appear to have been made to the Phase One Property or to the neighbouring properties in the south, east and west portions of the Phase One Study Area. The present day institutional (school) property has been developed further north of the Property; significant soil disturbance is apparent at this property, approximately 50 m northwest of the Phase One Property. It is suspected that the aforementioned soil disturbance is associated with grading and development activities.

2011 Aerial Photograph

No significant changes appear to have been made to the Phase One Property or to the neighbouring properties in the north, south and west portions of the Phase One Study Area. Construction and re-alignment of municipal rights-of-way (Jockvale Road and Longfields Drive) is apparent to the east of the Phase One Property. What appear to be stormwater management ponds have been constructed approximately 100 m northeast of the Property. Residential development is apparent further to the northeast of the Property.

2014 Aerial Photograph

The former greenhouse near the south Property limit has been removed, as well as all of the greenhouses at the adjacent property to the south. Longfields Drive and its bridge over the Jock River are in the process of being widened. The majority of the former agricultural buildings at the adjacent property to the south have also been removed. No other significant changes appear to have been made to the Phase One Property or to the neighbouring properties in the Phase One Study Area.

2017 Aerial Photograph

Soil disturbance is apparent on the east portion of the Property and on neighbouring properties to the south and southwest; these disturbances are suspected to have been associated with the construction of municipal infrastructure (sewers). A large stockpile is visible on the south-central portion of the Property, in the approximate location of the present-day stockpile. No other significant changes appear to have been made to the neighbouring properties in the Phase One Study Area.

2019 Aerial Photograph

Soil disturbance is apparent across the entire Property and on neighbouring properties to the west and southwest; these disturbances are suspected to have been associated with on-going residential development in the Phase One Study Area. Several additional stockpiles are apparent near the centre of the Phase One Property. No other significant changes appear to have been made to the neighbouring properties in the Phase One Study Area.

2022 Aerial Photograph

Soil disturbance is apparent across the entire Property and was interpreted to be associated with on-going residential development at the Site. Several additional stockpiles are apparent near north portion of the Phase One Property. Branch Street has been constructed to the west of the Site and the residential townhouse development west of Branch Street has been fully constructed. No other significant changes appear to have been made to the neighbouring properties in the Phase One Study Area.

The presence of a stockpile of interpreted fill material was identified in the approximate south-central portion of the Property in the 2017 aerial photograph. The placement of stockpiles of fill material on the south-central portion of the Property was interpreted as Potentially Contaminating Activity #1 (PCA #1) associated with "Importation of Fill Material of Unknown Quality" (O.Reg. PCA item #30). Given the recent analytical data from the 2021 SSSP, the importation of fill to the Phase One Property does not represent an APEC for the Phase One Property.

No additional PCAs were identified at the Phase One Property or at neighbouring properties in the Phase One Study Area as during the review of historical aerial photographs.

ii. Topography, Hydrology, Geology

The Ontario Ministry of Natural Resources and Forestry's (MNRF's) Topographic Map GIS website was used to produce a topographic map showing the location of the Phase One Property, nearby water bodies and the regional topography of the Phase One Study Area. A copy of the Topographic Map is provided in Appendix I. The regional topography in the Phase One Study Area is generally slopes downward to the south, toward the Jock River or to the east the Rideau River. The topography on the Phase One Property slopes downward from north to

south. The Jock River and Rideau River are located approximately 130 m south and 2.3 km east of the Phase One Property, respectively. There are stormwater retention ponds located approximately 200 m northeast of the Phase One Property.

Information on the regional surficial soil was obtained from the Geological Survey of Canada map 1425A titled Surficial Materials and Terrain features Ottawa Hull. Based on a review of the map, the natural soil conditions in the Phase One Study Area consist of "Glacial Deposits: till; heterogenous mixture of material ranging from clay to large boulders generally sandy, grades downwards into unmodified till; surface generally modified by wave or river action; topography flat to hummocky".

Information on the regional bedrock was obtained from the Ontario Geological Survey Map P2716 titled 'Paleozoic Geology Ottawa Area'. Based on a review of the map, the Phase One Study Area is underlain by bedrock of the March Formation, described as "interbedded quartz sandstone, sandy dolostone, and dolostone".

Well records and borehole logs, obtained from the MECP Water Well Records database, the subcontracted ERIS search and from the concurrent geotechnical subsurface investigation at the Phase One Property were reviewed. Based on these records, the general stratigraphy of the Phase One Property and Phase One Study Area consists of silty clay, sand and gravel fill, followed by silty sand and gravel (Glacial Till). The overburden soil is underlain by limestone bedrock.

iii. Fill Materials

The Phase One Property has never been developed or occupied for any developed use other than a portion of a greenhouse on the south limits of the Property. The Property was used for agricultural purposes until acquisition by the City in 2011. Fill materials have been observed in stockpiles at the Phase One Property. It is suspected that during construction of the municipal infrastructure to the south of the Property, the Property was graded and used as a staging area for construction. Around the same period of infrastructure construction, a large stockpile was observed in the south-central portion of the Property. Given the chronology of these observations and the construction of the adjacent sewers, it is possible soil from off-site sources was deposited at the Property during these works. The placement of fill in these areas of the Property is considered to represent PCA #1 associated with the Importation of Fill Material of Unknown Quality.

As was noted in Section 4.1.5, a review of existing environmental reports identified the presence of PHC impacts in the shallow soil near the southern Property limits. No documentation has been provided by the City of Ottawa with respect to the remediation approach of the aforementioned PHC contaminated soil. No evidence of staining, odours or other deleterious fill material was observed during the test pits, completed as part of a concurrent Environmental Shallow Soil Sampling Program (2021 SSSP). Given the recent analytical data from the 2021

SSSP, the importation of fill to the Phase One Property does not represent an APEC for the Phase One Property.

The north and south portions of the Property have service trenches are expected to have been backfilled with imported fill. Granular base fill material is expected to have been used as part of construction of the aforementioned features and for grading areas of the Site under construction; this fill type is not considered to represent a PCA, as gravel does not meet the definition of soil. The stockpiles on the central portion of the Property appear to consist primarily of granular base fill.

iv. Water Bodies and Areas of Natural Significance & Ground Water Information

The closest significant water body to the Phase One Property are the Jock River and Rideau River are located approximately 130 m south and 2.3 km east of the Phase One Property, respectively. There were no areas of natural and scientific interest (ANSIs or areas of natural significance) identified in the Phase One Study Area.

The Phase One Property and Study Area are not located in the vicinity of any well-head protection areas or other designation identified by the City of Ottawa in its official plan for the protection of ground water. The Phase One Study Area is serviced by municipally treated drinking water. No agricultural water supply wells are operating within the Phase One Study Area.

v. Well Records

Well records and borehole logs, obtained from the MECP Water Well Records database, the subcontracted ERIS search and from historical investigations at the Phase One Property were reviewed. No water wells were identified at the Phase One Property.

Four historic potable water supply wells were identified in the Phase One Study Area during a review of the MECP Water Well Records database, however, these wells were drilled in the 1960s through 1980's, prior to the availability of municipally treated potable water; it is expected that the neighbouring rural properties will continued to be serviced by these wells until they are redeveloped. The Phase One Study Area is provided with municipally treated potable water and as such it is not suspected that any potable water wells will be present at the Phase One Property.

A well abandonment records for groundwater monitoring wells previously installed at the adjacent property to the south were also noted and reviewed.

Based on the available well records, the general stratigraphy of the Phase One Study Area consists of clay and gravel or sand and gravel glacial till, underlain by limestone bedrock. The approximate depth to bedrock is expected to range from 10 to 14 m BGS, with a groundwater table at approximately 2 to 3 m BGS.

d) Site Operating Records

The Phase One Property has never been occupied for and developed use other than a portion of a greenhouse located on the south portion of the Property and was used for agricultural purposes from at least 1936 to 2011. Any operating records that exist for the Property would have been maintained by previous owners prior to sale to the City of Ottawa. Operating records for the Property may have included agricultural growth history and chemical application history. Given the recent analytical data from the 2021 SSSP, the absence of operating records as they related to potential past chemical applications at the Phase One Property does not represent an APEC for the Phase One Property.

5. Interviews

An interview was completed by email on January 26, 2021 with Mr. Matt Wingate, P.Eng., Civil Engineer for David Schaeffer Engineering Ltd. (DSEL). Mr. Wingate and/or construction representatives for the adjacent subdivision work have been familiar with the Phase One Property since at least 2016. Mr. Wingate stated that the only known source of imported granular fill at the Property during his involvement would have been stockpiled there was material to complete the "wall" (possible berm) along Jockvale Road. Mr. Wingate was not aware of any soil importation to the Property.

An interview was completed by telephone on December 4, 2020 with Mr. Barron Meyerhoffer, Director of Development for OCH. Mr. Meyerhoffer and/or representatives of OCH have been familiar with the Phase One Property since at least 2019. Mr. Meyerhoffer stated that the Property previously used for agricultural purposes. Mr. Meyerhoffer was not aware of any spills or poor environmental management practices associated the Phase One Property or adjacent lands. Mr. Meyerhoffer stated that no fuels or chemicals, other than commercially available domestic cleaning chemicals, are stored at the Property.

Mr. Dylan Bennett P.Eng., Project Manager – Development for OCH was contacted by telephone on April 23, 2025. Mr. Bennett stated that the north portion of the Site had construction activities terminate in 2024, which included pouring of concrete footings and foundation walls and frost protection by insulation. Mr. Bennett stated that the contractor had failed to deliver on contract specifications and had stopped work at the Site. Mr. Bennett was unaware of any spills or environmental concerns associated with the contractor activities.

6. Site Reconnaissance

a) General Requirements

The Phase One Site Investigation was completed on December 18, 2020 between the hours of 2:00 PM and 4:30 PM. Weather conditions were sunny with an ambient air temperature of approximately -6 degrees Celsius. The Phase One Property was unoccupied at the time of the Site Investigation and was partially snow and ice covered, with the majority of the ground surfaces exposes for observation. A return Phase One Site Investigation was completed on April 17, 2025 between the hours of 2:00 PM and 4:00 PM. Weather conditions were sunny with an ambient air temperature of approximately 8 degrees Celsius. The Phase One Property was unoccupied at the time of the Site Investigation; however, evidence of recent construction activities/contractor Site control were apparent. The Site Investigations were completed by Mr. Luke Lopers, who is a registered Professional Engineer (Environmental) in the province of Ontario and a Qualified Person (QP) for Environmental Site Assessments, and has been conducting Phase I/One Environmental Site Assessments and environmental reconnaissance since 2006. Mr. Lopers was unaccompanied during the Site Investigation.

Photographs were taken of the exterior of the Phase One Property, documenting the condition of the Phase One Property, any potentially contaminating activities, areas of disturbed soils and surrounding properties. A copy of the Photographic Log and written descriptions of the photos are provided in Appendix J. Figure 2B: Updated Site Plan depicts the general Site conditions at features observed during the April 2025 Site investigation.

b) Specific Observations at Phase One Property

The Phase One Property was vacant at the time of the Site Investigation with construction fencing surrounding the Property. Two partially completed concrete building foundations had been poured in the north portion of the Phase One Property, which were generally at grade. There were no improved (paved) surfaces at the Phase One Property.

There were no permanent above or below ground structures present on the Phase One Property at the time of the Site investigation. Two construction trailers and a materials storage trailer were present on the east side of the Property.

No aboveground storage tanks (ASTs) or visual indications of the presence of underground storage tanks (USTs), such as vent and fill pipes or access hatches, were observed as part of the Site Investigation.

No potable water wells were observed at the Phase One Property during the Site Investigation. The Phase One Property is presently unoccupied and has not been connected to active services, as such, no potable water connections were observed. A fire hydrant was observed to the

northwest of the Jockvale Road and Bending Way intersection, further north of the Property. No groundwater monitoring wells were observed at the Phase One Property.

The Phase One Property has never been developed with any buildings or structures, as such it is not expected that any former heating or cooling systems were ever present. No drains, pits or sumps were observed as part of the Site Investigation.

There were no septic tanks or leaching beds observed at the Phase One Property as part of the Site Investigation. Given that the Phase One Property has not been developed, it is not expected that any private sewage systems exist. A newly constructed municipal storm and sanitary sewer are present below what has been proposed to be a multi-use pathway on the southern portion of the Phase One Property.

Approximately 15% of the Phase One Property was occupied by partially constructed foundations and the surrounding area in the north portion of the Site (approximately 20% of the Property) had been surfaced with granular fill. The remainder (Central and south portions) of the Phase One Property have been graded with a mix of silty sand and gravel fill material. It is suspected that this material may have originated from the recent excavated building foundation footprints on the north portion of the Phase One Property. No evidence of refuse, buried asphalt or poor quality fill material was observed in the recently graded fill. The stockpiles observed during the 2020 Site inspection were not present and may have contributed to the recently graded ground surface.

There were no current or former railway lines, tracks or spurs identified at the Phase One Property or in the Phase One Study Area.

No surficial staining was observed on the landscaped portions of the Phase One Property during the Site Investigation. No stressed vegetation was observed during a walkover of the vegetated areas of the Property.

There were fill stockpiles were observed on the central portion of the Phase One Property at the time of the 2020 Site investigation. The stockpile fill piles in the north-central portion of the Property appeared to consist primarily of granular fill material. The stockpiles on the south-central portion of the Property appeared to consist of stockpiled soil. The placement of fill in these areas of the Property is considered to represent PCA #1 associated with the Importation of Fill Material of Unknown Quality. The stockpiles observed during the 2020 Site inspection were not present at the time of the 2025 Site investigation and may have contributed to the recently graded ground surface.

As was noted in Section 4.1.5, a review of existing environmental reports identified the presence of PHC impacts in the shallow soil near the southern Property limits. No documentation has been provided by the City of Ottawa with respect to the remediation approach of the aforementioned PHC contaminated soil. No evidence of staining, odours or other deleterious fill material was observed during the test pits, completed as part of a concurrent Environmental

Shallow Soil Sampling Program (2021 SSSP). Given the recent analytical data from the 2021 SSSP, the importation of fill to the Phase One Property does not represent an APEC for the Phase One Property.

The north and south portions of the Property have service trenches that are expected to have been backfilled with imported fill. Granular base fill material is expected to have been used as part of construction of the aforementioned features; this fill type is not considered to represent a PCA, as gravel does not meet the definition of soil.

i. Enhanced Investigation Property

The Phase One Property is not currently operating for any industrial use or any of the following commercial uses: as a garage, as a bulk liquid dispensing facility, including a gasoline outlet, or for the operation of dry cleaning equipment. The Phase One Property is hence not an enhanced investigation property.

c) Land Use Observations of the Phase One Study Area

Properties in the Phase One Study Area were reviewed from publicly accessible Rights-of-Way as part of the Site Investigation on April 17, 2025. Uses of these lands were noted and any potential presence of PCAs was also assessed. Neighbouring land uses were recorded as follows:

North: Bending Way, followed by residential townhouses, followed by an institutional (school) property.

East: Jockvale Road merging into Longfields Drive, followed by stormwater management ponds, followed by residential townhouses.

South: Vacant land (former nursery property), followed by Jock River, followed by parkland.

West: Branch Street, followed by residential townhouses.

Neighbouring land uses are shown on Figure 3: Surrounding Land Use. No PCAs were observed during the review of land use in the Phase One Study Area.

7. Review and Evaluation of Information

a) Current and Past Land Use

The current and past land use of the Phase One Property, dating back to the first developed use, is provided in Table 3 below.

Table 3: Current and Past Land Use

Year	Name of Owner	Description of Property Use	Property Use	Other observations from historical sources
1852 - 1965	Individuals	Property is undeveloped and used for agricultural purposes	Agricultural or other use	Property owned by individuals. 1936 and 1953 aerial photographs show Property in undeveloped condition with agricultural use throughout.
1965 - 2011	Individuals	Property is undeveloped and used for agricultural purposes South limits occupied by a portion of a greenhouse	Agricultural or other use	Previous environmental reports stated nursery property to the south (and south limits of the Property) were developed with the nursery in 1965. Aerial photos from 1976 through 2011 show agricultural use on the majority of the Phase One Property and the presence of the nursery to the south.
2011 - 2022	The Corporation of the City of Ottawa	Property is undeveloped and vacant	Agricultural or other use	Aerial photos from 2014 through 2019 show no use of the Phase One Property and the former nursery to the south has been cleared.
December 20, 2022 - Present	Ottawa Community Housing Corporation	Property has been partially developed with foundations for future residential occupancy.	Residential Use	Observations from the Phase One Property as part of the April 17, 2025 Site investigation.

b) Potentially Contaminating Activity

Three Potentially Contaminating Activities were identified at the Phase One Property. Two of these PCAs extend to the neighbouring property to the south of the Phase One Property. No additional PCAs were identified at other properties in the Phase One Study Area. The identified PCAs and are summarized in Table 4 below.

Table 4: Potentially Contaminating Activities in the Phase One Study Area

PCA Report Reference No.	Potentially Contaminating Activity	Location
1	Stockpiled Fill Material (O.Reg. 153/04 PCA Item 10: Importation of Fill Material of Unknown Quality)	South-central portion of the Phase One Property
2	Suspected Historical Application of Pesticides (O.Reg. 153/04 PCA Item 42: Pesticides Manufacturing, Processing, Bulk Storage and Large-Scale Applications)	East portion of the Phase One Property and neighbouring property to the south.
3	Former Aboveground Storage Tanks at former nursery / greenhouse operations and reported PHC soil exceedances (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	South limits of the Phase One Property and neighbouring property to the south.

c) Areas of Potential Environmental Concern

Given the analytical data from the 2021 SSSP which was completed to provide an assessment of the environmental soil quality in the vicinity of the aforementioned PCAs, none of the aforementioned PCAs (PCA #1 through PCA #3) are considered to represent an APEC for the Phase One Property. A Phase Two Environmental Site Assessment is not required for the Phase One Property.

d) Phase One Conceptual Site Model

Four Figures are provided to visually depict the Conceptual Site Model. Figure 1: Key Plan shows the location of the Phase One Property within the City of Ottawa. Figure 2: Site Plan depicts the general conditions and environmentally significant features at the Phase One Property in 2021 at the time of the original Lopers Phase One ESA for the Property. Figure 2B: Updated Site Plan depicts the general Site conditions at the time of the April 2025 Site investigation. Figure 3: Surrounding Land Use shows the current uses of properties in the Phase One Study Area, and the location of PCAs.

The Phase One Property is located at Civic No. 3380 Jockvale Road, Ottawa, Ontario and has an approximate area of 9,543 m^2 (0.95 Hectares).

Approximately 15% of the Phase One Property was occupied by partially constructed foundations and the surrounding area in the north portion of the Site (approximately 20% of the Property) had been surfaced with granular fill. The remainder (Central and south portions) of the Phase One Property have been graded with a mix of silty sand and gravel fill material. It is suspected that this material may have originated from the recent excavated building foundation footprints on the north portion of the Phase One Property. No evidence of refuse, buried asphalt or poor quality fill material was observed in the recently graded fill. The stockpiles

observed during the 2020 Site inspection were not present and may have contributed to the recently graded ground surface.

The Property is currently vacant, was most recently used for agricultural purposes and is zoned for residential use. The Phase One Property was acquired by the City of Ottawa in 2011 and transferred to OCH in 2022. OCH's (former) contractors began construction of the residential building foundations in 2024. It is understood that the intended future use is for residential purposes. The Phase One Property is immediately surrounded by municipal rights-of-way followed by residential properties to the north, east and west. The properties to the south of the Phase One Property are vacant, followed by the Jock River.

The Phase One Study Area includes the Phase One Property and properties with the boundaries within 250 m of the Phase One Property limits. Based on a review of the Phase One Property and properties in the Phase One Study Area, their associated historical and/or current uses and operations and physical characteristics of the Phase One Study Area, it was determined that an assessment of properties within 250 m of the Phase One property was sufficient to meet the objectives of the scope of this investigation for a Phase One ESA.

No water bodies or areas of natural significance are located at the Phase One Property. The Jock River is present approximately 130 m south of the Phase One Property. No drinking water wells are located at the Phase One Property and the Phase One Study Area is serviced by municipally treated non-potable water. Some rural residential properties in the Phase One Study Area are serviced by potable wells, which were installed over the 1960's through 1980's; it is expected that these properties will continue to use their potable water wells until future redevelopment.

The regional topography in the Phase One Study Area is generally slopes downward to the south, toward the Jock River or to the east, toward the Rideau River. The topography on the Phase One Property slopes downward from north to south.

Based on the historical research and a 2021 geotechnical drilling investigation, the general stratigraphy of the Phase One Property and Phase One Study Area consists of silty clay, sand and gravel fill, underlain by silty sand and gravel (glacial till). Overburden soils are expected to be up to 10 to 14 m thick and underlain by limestone bedrock. Groundwater is expected at a depth of approximately 2 to 3 m BGS and flow in a predominantly south direction.

The presence of stockpiled fill material was observed on the south-central portion of the Property. Historical pesticide application was suspected across the east portion of the Property and neighbouring property to the south. The presence of aboveground storage tanks (ASTs) and reported Petroleum Hydrocarbon (PHC) soil exceedances were reported at the neighbouring property to the south, in the vicinity of the south Property limits and at the neighbouring property to the south.

Lopers completed an environmental Shallow Soil Sampling Program (SSSP) in conjunction with this Phase One ESA. The objectives of the SSSP were to collect shallow soil samples for laboratory analysis from locations in the vicinity of the PCAs identified in previous environmental reports and during the Phase One ESA Site investigation. Four shallow test pits were dug across the Property, including two test pits on the southern limits of the Property. Three additional shallow test holes were dug into the soil stockpile on the south-central portion of the Property. A total of six shallow soil samples were submitted for laboratory analysis of a combination of PHCs, benzene, toluene, ethylbenzene and xylenes (BTEXs), polycyclic aromatic hydrocarbons (PAHs), metals and inorganics and pesticides (including DDT).

All of the analyzed soil samples were in compliance with the Ministry of Environment, Conservation and Parks (MECP) Site Condition Standards, with the exception of Electrical Conductivity (EC). EC exceedances were reported in two of the test pits (TP1-21 [and duplicate sample TP11-21] and TP2-21) at concentrations ranging from 743 uS/cm to 1,050 uS/cm compared to the MECP Table 3 Standard of 700 uS/cm. It should be noted that the presence of observed EC concentrations is not considered to pose a human health concern for the proposed residential development of the Property. A soil management will be required in the event that any excess soil is generated during development. Ecological considerations for plant growth, such as grass and community gardens, will be required should any soil with elevated EC concentrations remain at the Site following development. The presence of EC in excess of the MECP Site Condition Standards is not considered to represent an APEC for the Property and does not require a Phase Two ESA for further assessment.

As was previously noted, historical shallow soil PHC exceedances were reported near the south Property limit. Construction of a sewer in the vicinity of these historical exceedances was completed, which would have involved excavation of some of this soil. The timeframe of origination of soil stockpiles at the Phase One Property coincides with the construction of the sewer. The City of Ottawa has not provided any documentation of remediation for the aforementioned shallow soil exceedances. Sampling was completed in the vicinity of the historical PHC shallow soil exceedances and from the stockpile as part of the SSSP. It should be noted that all PHCs were detected in the shallow soil samples collected from both test pits located on the south portion of the Site. Although there were PHC detections, the concentrations were in compliance with the MECP Table 3 residential land use standards, as well as the MECP Table 1 Background standards. While PHCs exceedances were not identified at the Phase One Property as part of the SSSP, there is still the potential for PHC exceedances to be present at, or in the immediate vicinity of, the Property or within the stockpiled soil at the Property.

Given the analytical data from the 2021 SSSP which was completed to provide an assessment of the environmental soil quality in the vicinity of the aforementioned PCAs, none of the PCAs (PCA #1 through PCA #3) identified as part of this Phase One ESA are considered to represent an APEC for the Phase One Property.

Underground utility service trenches are present at the Phase One Property. The existing underground utility corridors are not suspected to have the potential to affect contaminant distribution and transport, given that no APECs or contaminants of concern were identified for the Phase One Property as part of the Phase One ESA.

Any uncertainty or absence of information obtained in the components of this Phase One ESA are not expected to affect the validity of the conceptual site model.

8. Conclusions

i. Whether Phase Two Environmental Site Assessment Required Before Record of Site Condition Submitted

The presence of stockpiled fill material was observed on the south-central portion of the Property. Historical pesticide application was suspected across the east portion of the Property and neighbouring property to the south. The presence of aboveground storage tanks (ASTs) and reported Petroleum Hydrocarbon (PHC) soil exceedances were reported at the neighbouring property to the south, in the vicinity of the south Property limits and at the neighbouring property to the south.

Given the analytical data from the 2021 SSSP which was completed to provide an assessment of the environmental soil quality in the vicinity of the aforementioned PCAs, none of the PCAs (PCA #1 through PCA #3) identified as part of this Phase One ESA are considered to represent an APEC for the Phase One Property.

A Phase Two Environmental Site Assessment is not required for the Phase One Property.

ii. Record of Site Condition Based on Phase One Environmental Site Assessment Alone

Given that there were no APECs identified at the Phase One Property, a Phase Two Environmental Site Assessment is not required before a record of site condition (RSC) may be submitted with respect to all or part of the Phase One Property. However, it should be noted that the proposed development involves a change in land use to a less stringent use, and therefore an RSC would not be required.

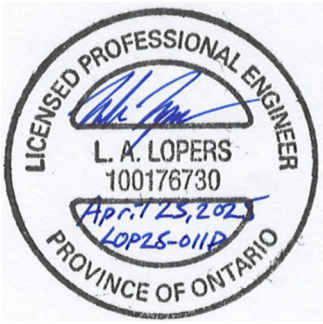
iii. Signatures

The Qualified Person for this study is Mr. Luke Lopers, P. Eng. Mr. Lopers is a Professional Engineer registered in Ontario since 2012 and has been working on environmental site assessments since 2006. Mr. Lopers has been an author, project manager and/or peer reviewer for hundreds of Phase One ESAs and Phase Two ESAs as well as previously filed RSCs

The reviewer for this study is Mr. Don Plenderleith, P.Eng. Mr. Plenderleith is a Professional Engineer registered in Ontario since 1994 and has authored and/or reviewed hundreds of Phase One and Two ESAs in Ontario and the rest of Canada. The qualifications of the assessor/Qualified Person and reviewer are included in Appendix K.

Sincerely,

Luke Lopers, P.Eng., QP_{ESA}



Don Plenderleith, P.Eng., QP_{ESA}

iv. Limitations

The findings and conclusions of this Phase One ESA are based on the information provided and/or reviewed as part of this study.

This Phase One ESA has been completed with the standard of care generally expected in the industry for a study of this nature.

This Phase One ESA has been prepared for the sole use of Ottawa Community Housing Corporation for the purposes of a due diligence assessment of the potential liabilities which may exist at the Phase One Property. No other party is permitted to rely on the conclusions or findings of this report without the written consent of Lopers & Associates and Ottawa Community Housing Corporation.

There were no portions of the Phase One Property which were inaccessible, or components of this ESA where insufficient information was available to complete the interpretation.

Changes to the physical setting of the Phase One Property, Phase One Study Area and applicable regulations governing Phase One Environmental Site Assessments have the potential to influence the validity of the conclusions and opinions presented in this Phase One ESA.

9. References

"Phase I Environmental Site Assessment, Gambles Nursery, 3392-3394 Jockvale Road, Ottawa, Ontario", dated August 23, 2010, completed by AMEC Earth & Environmental for The City of Ottawa. ("2010 AMEC Phase I ESA")

"Phase II Environmental Site Assessment, Gambles Nursery, 3392-3394 Jockvale Road, Ottawa, Ontario", dated September 2010, completed by AMEC Earth & Environmental for The City of Ottawa. ("2010 AMEC Phase II ESA")

"Phase I Environmental Site Assessment, South Nepean Collector Phase 2, Bren-Maur Road at Longfields Drive to Strandherd Drive, Ottawa, Ontario", dated March 2016, completed by Golder Associates Ltd. for Novatech Consultants Ltd. ("2016 Golder Phase I ESA")

"Phase II Environmental Site Assessment and Materials Management, South Nepean Collector Phase 2, Ottawa, Ontario", dated April 2016, completed by Golder Associates Ltd. for Novatech Consultants Ltd. ("2016 Golder Phase II ESA")

"DRAFT - Phase One Environmental Site Assessment, 3311 Greenbank Road, Ottawa, Ontario", dated March 2017, completed by Golder Associates Ltd. for Minto Communities. ("2017 Golder Phase One ESA")

"Shallow Soil Sampling and Laboratory Analytical Testing Program, Proposed Residential Development, 3380 Jockvale Road, Ottawa, ON", dated March 10, 2021, completed by Lopers & Associates for OCH. ("2021 Lopers Shallow Soil Sampling Program")

"Geotechnical Investigation, Proposed Residential Development, 3380 Jockvale Road, Ottawa, Ontario", dated January 26, 2021, completed by Paterson Group Inc. for OCH. ("2021 Paterson Geotechnical Investigation")

"Phase One Environmental Site Assessment, 3380 Jockvale Road, Ottawa, Ontario", dated March 10, 2021, completed by Lopers & Associates for OCH ("2021 Lopers Phase One ESA")

City of Ottawa, geoOttawa GIS mapping tool, Visited December, 2020 through April 2025. http://maps.ottawa.ca/geoottawa/

City of Ottawa, Development Applications website, Visited April 23, 2025. Development Applications Search

Google Earth, Visited December, 2020 through April 2025.

Development Concept Plan, Lemay-Michaud, 2024.

National Pollutant Release Inventory – Environmental Climate Change Canada online website, visited April 23, 2025. https://www.canada.ca/en/services/environment/pollution-waste-management/national-pollutant-release-inventory.html

"Ontario Inventory of PCB Storage Sites", Ministry of Environment and Energy, dated January 1993.

"Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume II", produced by Intera Technologies Ltd. For the Ontario Ministry of the Environment, dated July 1988.

"Waste Disposal Site Inventory", produced by the Ontario Ministry of the Environment, dated June 1991.

"Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume II", produced by Intera Technologies Ltd. For the Ontario Ministry of the Environment, dated July 1988.

"Old Landfill Management Strategy, Phase 1 – Identification of Sites, City of Ottawa, Ontario", produced by Golder Associates Ltd., Dated October 2004.

Ministry of Environment, Conservation and Parks, Environmental Site Registry website, Visited April 22, 2025. https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDetail?submissionId=226318

Ministry of Natural Resources and Forestry, Ontario GeoHub website, Visited April 22, 2025. https://geohub.lio.gov.on.ca/datasets/b88037cdb71e4daf9445afa6fb999194_3?geometry=-75.706%2C45.443%2C-75.543%2C45.464

Ministry of Natural Resources and Forestry, Make a Topographic Map website, Visited March 1, 2021 and April 22, 2025. https://www.gisapplication.lrc.gov.on.ca/matm/Index.html?site=Make_A_Topographic_Map&viewer=MATM&locale=en-US

Ministry of Environment, Conservation and Parks, Water Well Records database website, April 22, 2025. https://www.ontario.ca/environment-and-energy/map-well-records

10. Appendices

Appendix A – Legal Survey Plan

Appendix B –Development Concept Plan

Appendix C – Environmental Chain of Title prepared by READ Abstracts Limited and Updated Parcel Registers Provided by OCH

Appendix D – Environmental Risk Information Systems (ERIS) database Search

Appendix E – Ministry of Environment, Conservation and Parks Freedom of Information (FOI) Request

Appendix F – Technical Standards and Safety Association Correspondence

Appendix G – City of Ottawa Historic Land Use Inventory (HLUI)

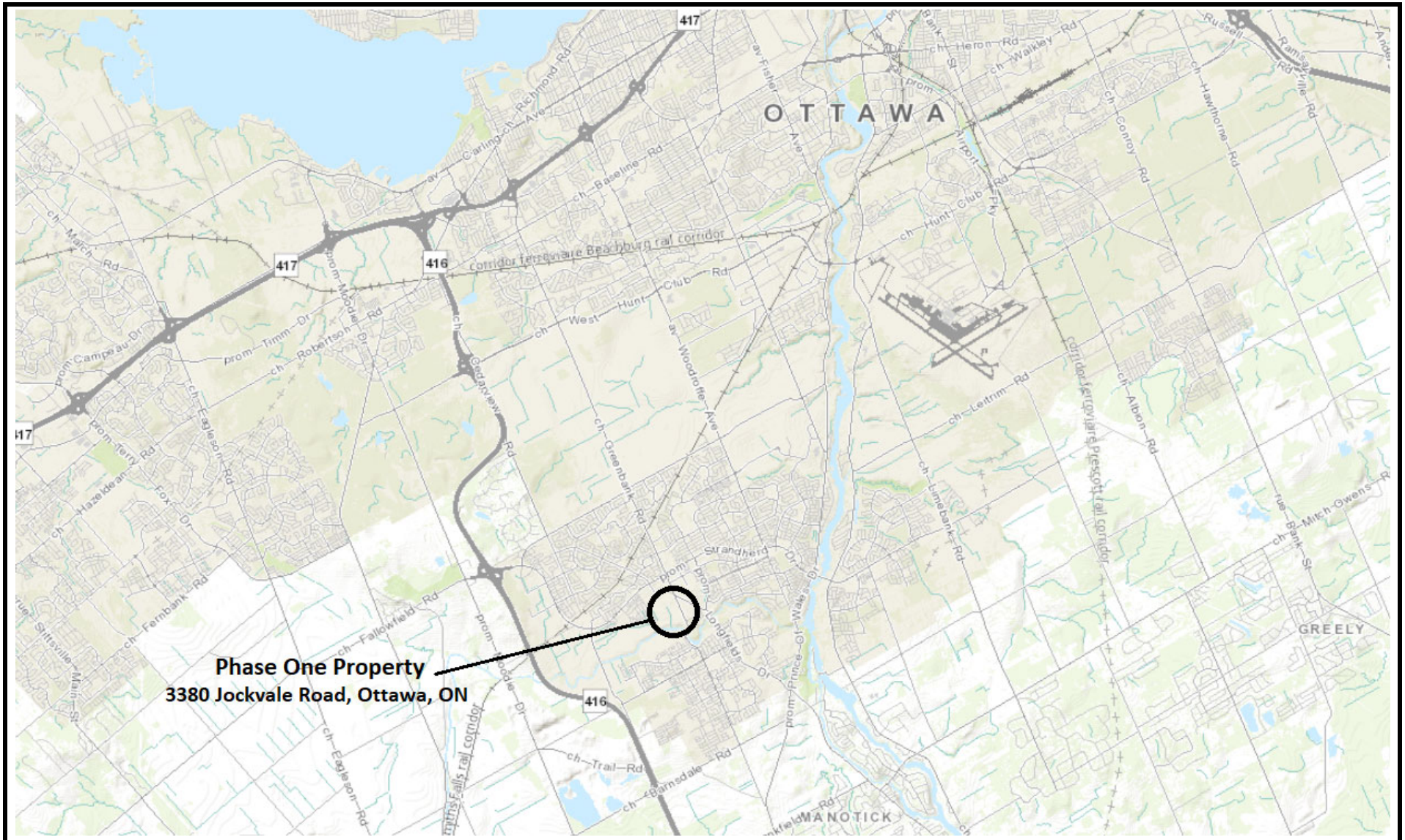
Appendix H – Aerial Photographs

Appendix I – Topographic Map

Appendix J – Photographic Log

Appendix K – Qualifications of Assessors

Figures



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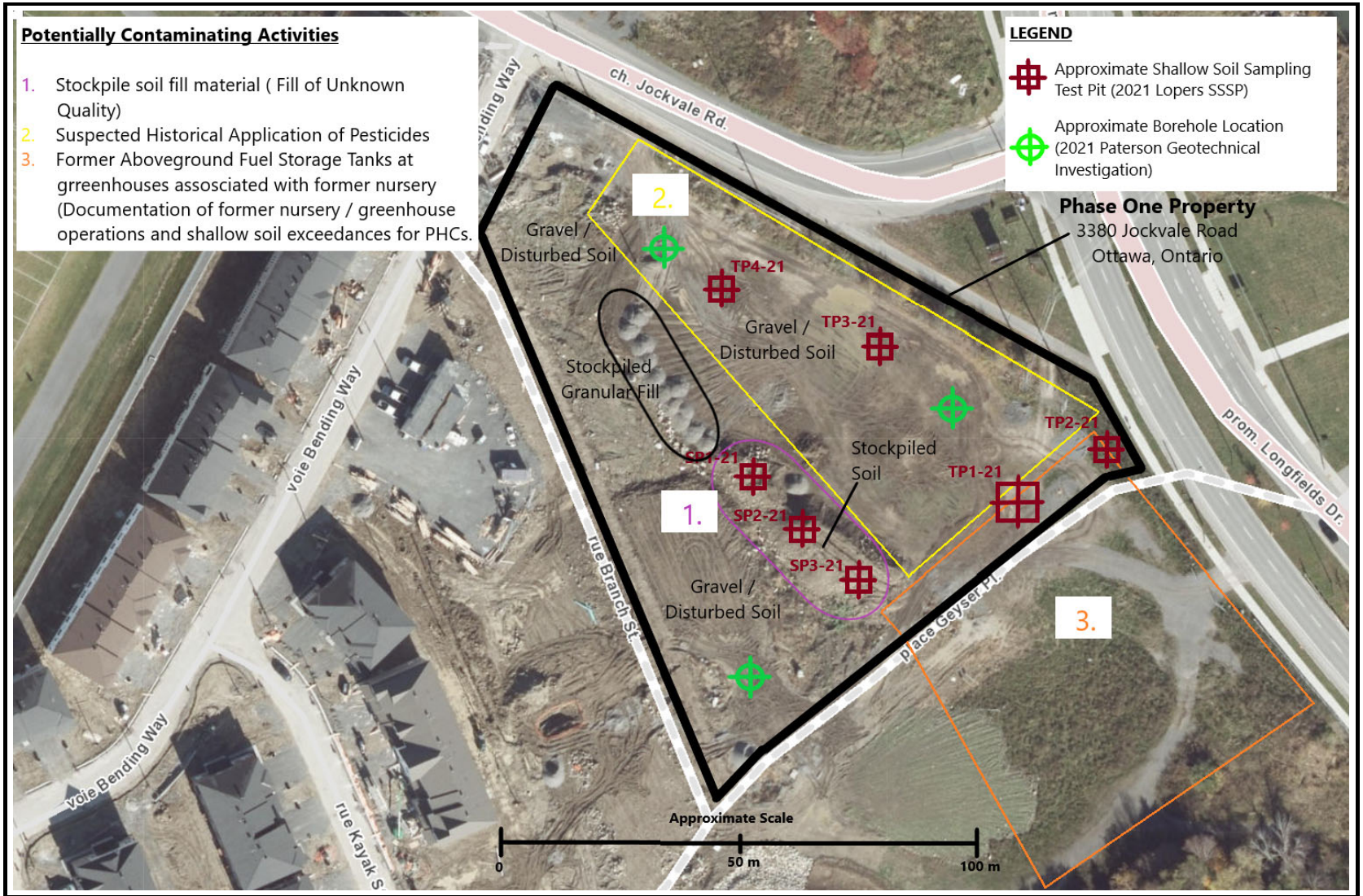
LOPERS & ASSOCIATES

Figure 1: Key Plan
Phase One Environmental Site Assessment
3380 Jockvale Road, Ottawa, Ontario
Ottawa Community Housing Corporation

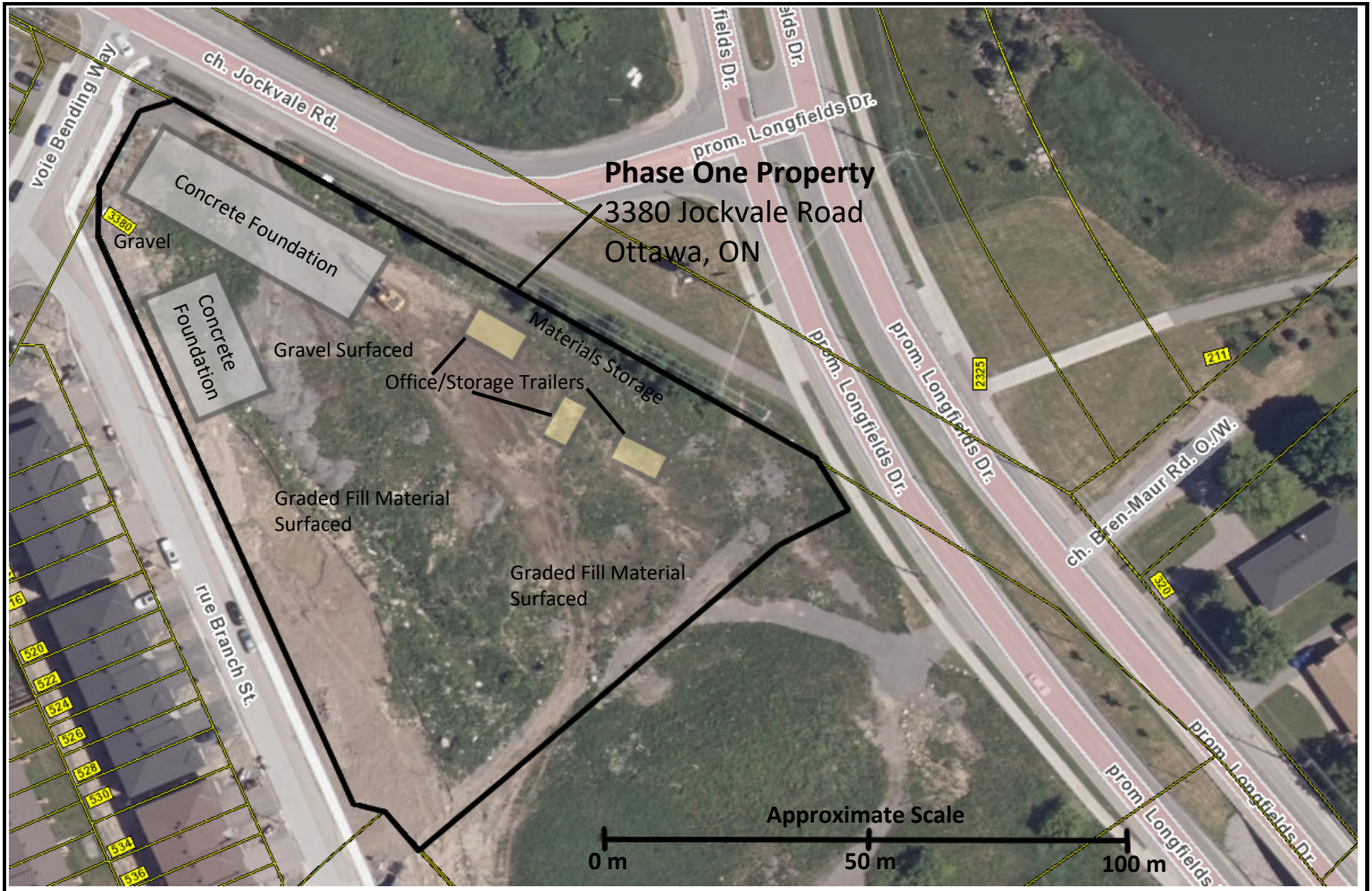
Project Reference No:	LOP25-011D
Drawing No.:	LOP25-011D-1
Date:	February 24, 2021
Author:	L. Lopers
Source:	geoOttawa



LOPERS & ASSOCIATES

Figure 2: Site Plan
Phase One Environmental Site Assessment
3380 Jockvale Road, Ottawa, Ontario
Ottawa Community Housing Corporation

Project Reference No:	LOP25-011D
Drawing No.:	LOP25-011D-2
Date:	March 18, 2021
Author:	L. Lopers
Source:	geoOttawa, 2019 Aerial Imagery



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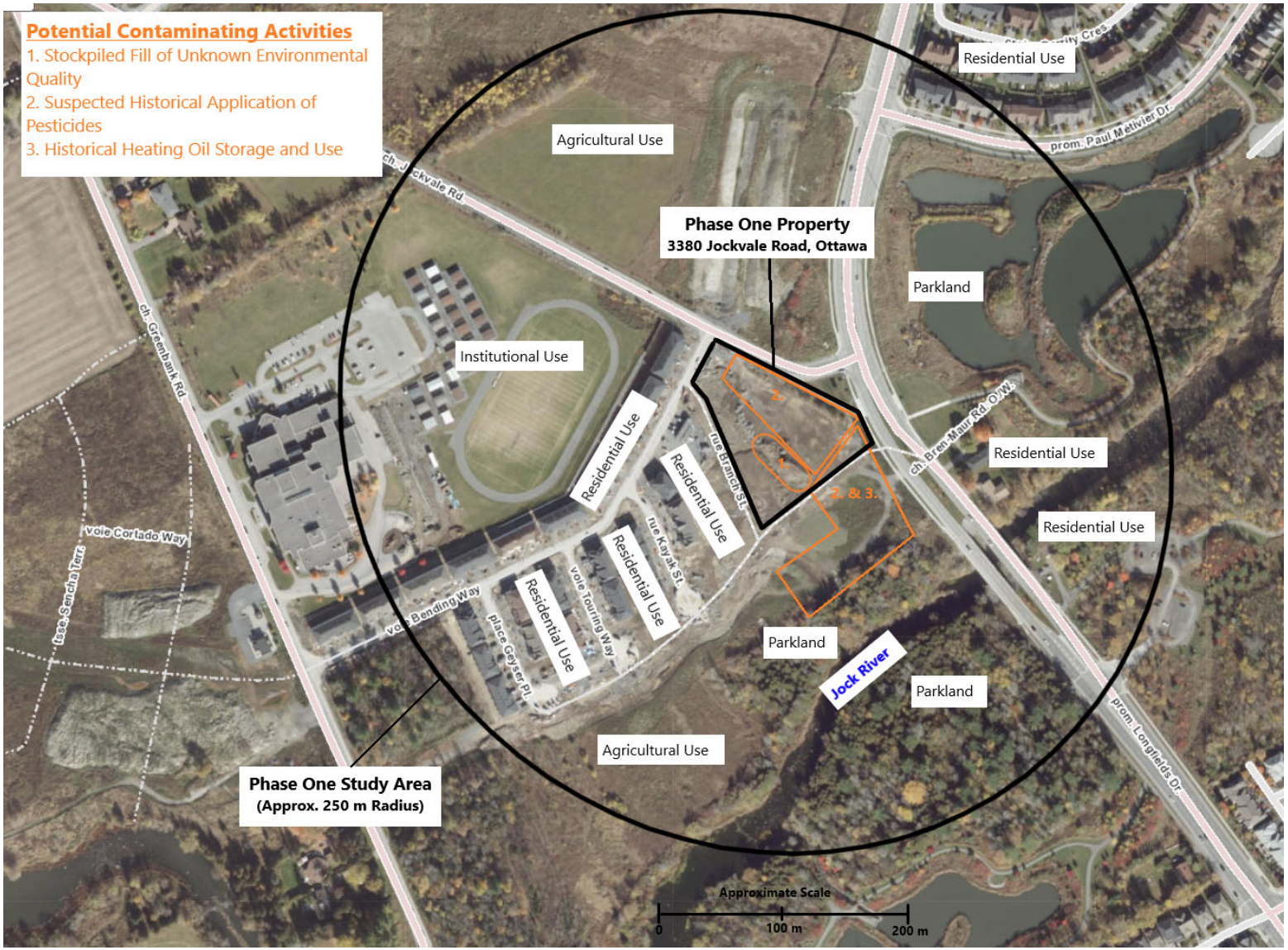
LOPERS & ASSOCIATES

Figure 2B: Updated Site Plan
Phase One Environmental Site Assessment
3380 Jockvale Road, Ottawa, Ontario
Ottawa Community Housing Corporation

Project Reference No:	LOP25-011D
Drawing No.:	LOP25-011D-2
Date:	April 17, 2025
Author:	L. Lopers
Source:	geoOttawa, 2022 Aerial Imagery



LOPERS & ASSOCIATES

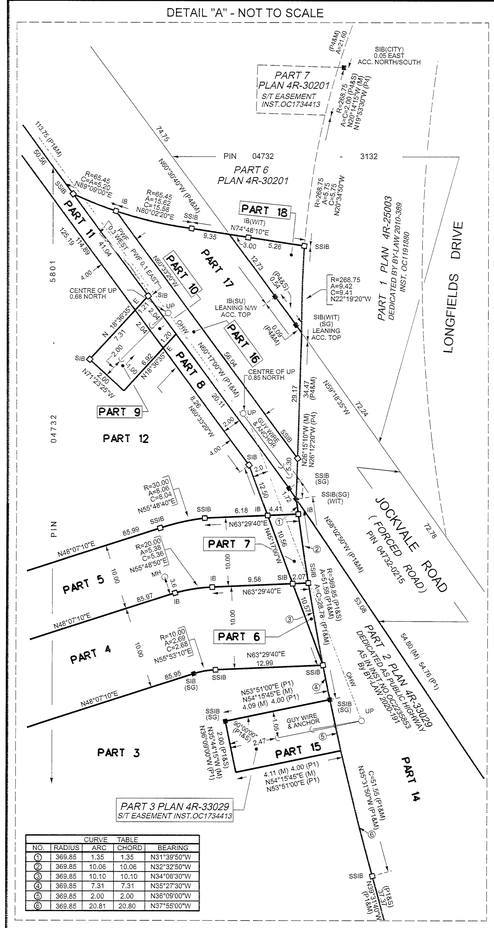
Figure 3: Surronding Land Use
Phase One Environmental Site Assessment
3380 Jockvale Road, Ottawa, Ontario
Ottawa Community Housing Corporation

Project Reference No:	LOP25-011D
Drawing No.:	LOP25-011D-3
Date:	April 17, 2025
Author:	L. Lopers
Source:	geoOttawa, 2019 Aerial

Appendix A

Legal Survey Plan

DETAIL "A" - NOT TO SCALE



CURVE TABLE				
NO.	RADIUS	ARC	CHORD	BEARING
C1	369.85	1.35	1.35	N31°39'50"W
C2	369.85	10.06	10.06	N32°32'50"W
C3	369.85	10.10	10.10	N34°06'30"W
C4	369.85	7.31	7.31	N35°27'30"W
C5	369.85	2.00	2.00	N36°09'00"W
C6	369.85	20.85	20.80	N37°55'00"W

DETAIL "B" - NOT TO SCALE

SCHEDULE				
PART	LOT	CONCESSION	PIN	AREA(SQ. M.)
1	PART OF 12	2 (RIDEAU FRONT)	ALL OF PIN 04732-5801	671.8
2				24557.3
3	PART OF 12 AND 13			12882.3
4	PART OF 13			1012.5
5				1004.6
6				10.1
7				32.2
8				48.9
9				14.3
10				2.4
11				156.1
12				6271.6
13				16.5
14	PART OF 12 & 13			1445.6
15	PART OF 13		PART OF PIN 04732-0215	8.2
16				167.0
17			PART OF PIN 04732-3132	558.8
18				38.3

PART 13 - SUBJECT TO EASEMENT INST. NO.OC1236864
PART 15 - SUBJECT TO EASEMENT INST. NO.OC1734413

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.

DATE JUNE 6,2022

W. A. HARPER
ONTARIO LAND SURVEYOR

PLAN 4R- 34672
RECEIVED AND DEPOSITED

DATE June 8, 2022

LAND REGISTRAR FOR THE LAND TITLES DIVISION OF OTTAWA-CARLETON No. 4

PLAN OF SURVEY OF

PART OF LOTS 12 AND 13 CONCESSION 2 (RIDEAU FRONT)

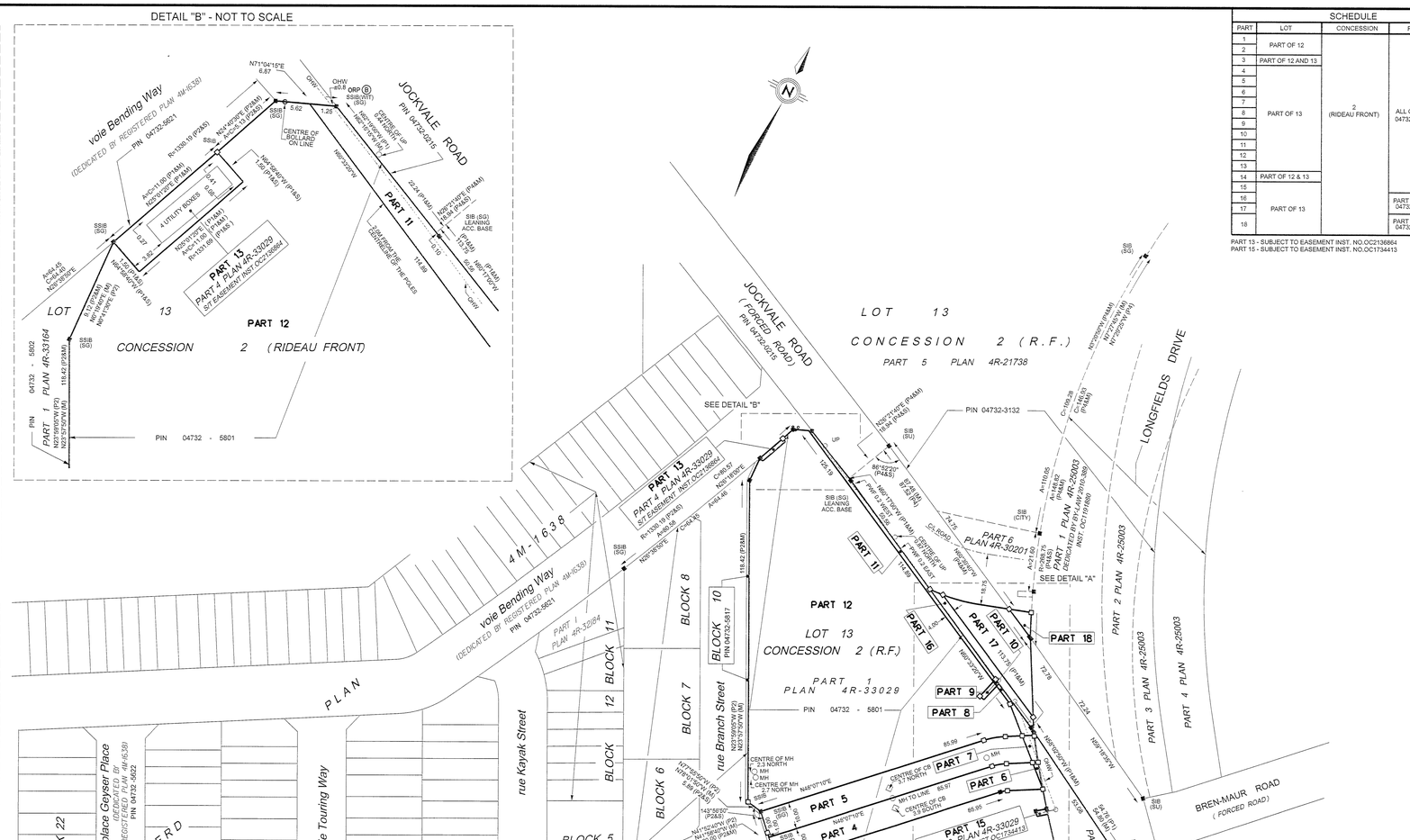
GEOGRAPHIC TOWNSHIP OF NEPEAN

CITY OF OTTAWA

SCALE - 1 : 750

10 0 5 10 20 30 40 50

(METRES)



METRIC

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

INTEGRATION DATA

COORDINATES WERE DERIVED FROM GPS OBSERVATIONS USING THE CAN-NET 2016 REAL TIME NETWORK AND ARE REFERENCED TO SPECIFIED CONTROL POINTS 19871649 AND 19680751, MTM ZONE 9 (76°30' WEST LONGITUDE) NAD-83 (ORIGINAL)

COORDINATE VALUES ARE TO URBAN ACCURACY IN ACCORDANCE WITH O.REG. 216/10.

ID#	NORTHING	EASTING
SCP 19871649	5007169.871	372435.051
SCP 19680751	5018253.446	353765.343
ORP A	5013553.19	364597.65
ORP B	5014004.39	364716.58

CAUTION

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

NOTES AND LEGEND

BEARINGS ARE GRID, DERIVED FROM GPS OBSERVATIONS USING THE CAN-NET 2016 REAL TIME NETWORK, ON OBSERVED REFERENCE POINTS A AND B, SHOWN HEREON, AND ARE REFERENCED TO SPECIFIED CONTROL POINTS 19871649 AND19680751, MTM ZONE 9 (76°30' WEST LONGITUDE) NAD-83 (ORIGINAL).

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.99992969

■	DENOTES SURVEY MONUMENT FOUND
□	DENOTES SURVEY MONUMENT PLANTED
SIB	DENOTES STANDARD IRON BAR
SSIB	DENOTES SHORT STANDARD IRON BAR
IB	DENOTES IRON BAR
WIT	DENOTES WITNESS
M	DENOTES MEASURED
S	DENOTES SET
PROD	DENOTES PRODUCTION AND SET
ORP ID#	DENOTES OBSERVED REFERENCE POINT IDENTIFICATION NUMBER
P1	DENOTES PLAN 4R-33029
P2	DENOTES PLAN 4R-33164
P3	DENOTES REGISTERED PLAN 4M-1636
P4	DENOTES PLAN 4R-30201
(CITY)	DENOTES CITY OF OTTAWA
(SG)	DENOTES STANTEC GEOMATICS LTD.
(1175)	DENOTES H.A.K. SHIPMAN, O.L.S.
(SU)	DENOTES SOURCE UNKNOWN
PWF	DENOTES POST AND WIRE FENCE
OHW	DENOTES OVERHED WIRE
MH	DENOTES MANHOLE
UP	DENOTES UTILITY POLE

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.

2. THE SURVEY WAS COMPLETED ON THE 5TH DAY OF MAY, 2022.

June 6/22
DATE

G. J. HARTWICK
ONTARIO LAND SURVEYOR

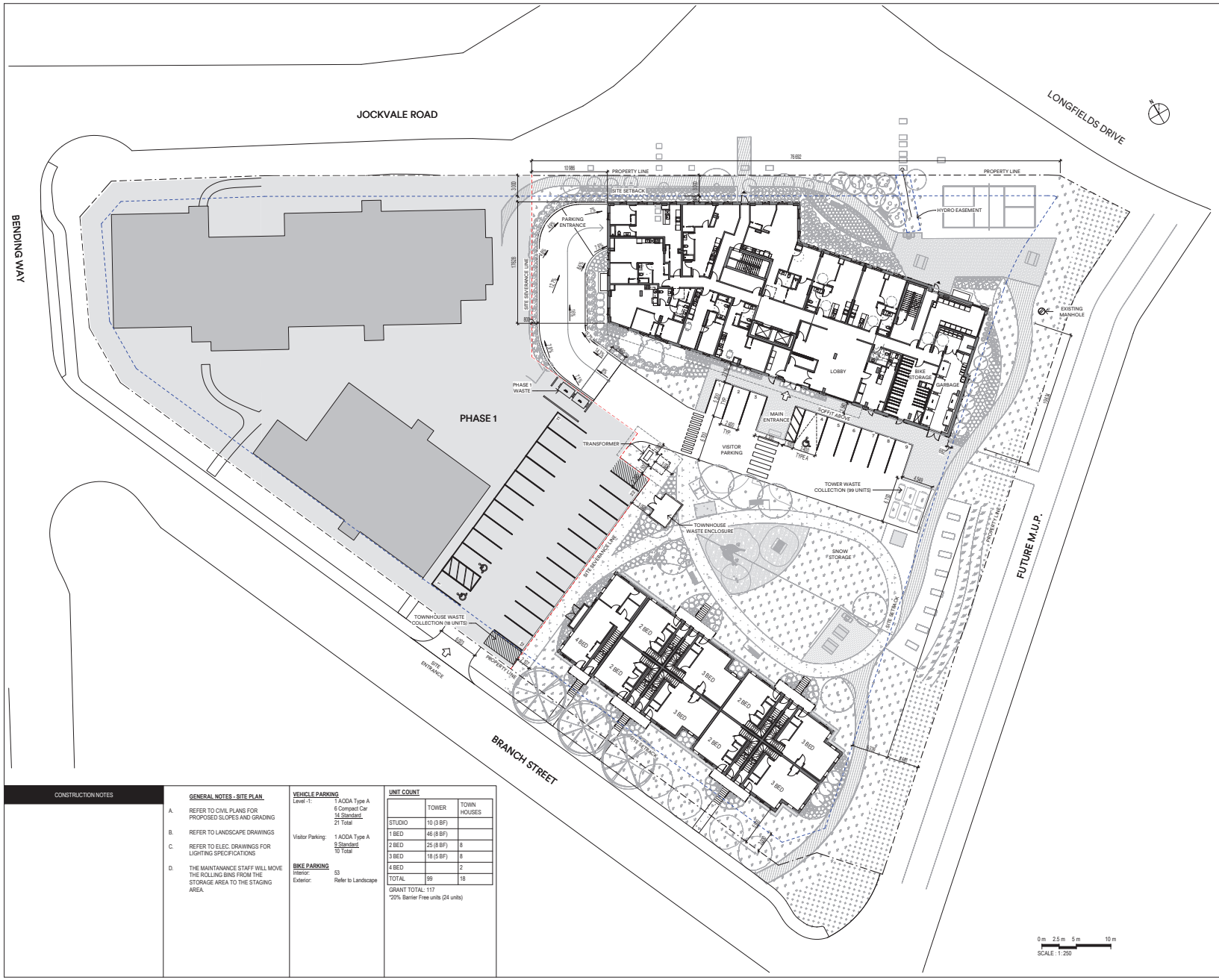
Ottawa

PLANNING, REAL ESTATE AND ECONOMIC DEVELOPMENT DEPARTMENT SURVEYS & MAPPING BRANCH

PROJECT : 3380 JOCKVALE ROAD	FIELD WORK BY : B.B./D.L.
CALC'D BY : Q.C.	FILE NO. 21514P001
C.A.D. BY : Q.C.	MS NO. 21514p001-RPLAN.dgn
CHECKED BY : G.J.H.	DATE : APRIL 20, 2022

Appendix B

Development Concept Plan



CONSTRUCTION NOTES

GENERAL NOTES - SITE PLAN

A. REFER TO CIVIL PLANS FOR PROPOSED SLOPES AND GRADING

B. REFER TO LANDSCAPE DRAWINGS

C. REFER TO ELEC. DRAWINGS FOR LIGHTING SPECIFICATIONS

D. THE MAINTANANCE STAFF WILL MOVE THE ROLLING BINS FROM THE STORAGE AREA TO THE STAGING AREA.

VEHICLE PARKING

Level -1: 1 AODA Type A
6 Compact Car
14 Standard
21 Total

Visitor Parking: 1 AODA Type A
9 Standard
10 Total

BIKE PARKING

Interior: 53
Exterior: Refer to Landscape

UNIT COUNT

	TOWER	TOWN HOUSES
STUDIO	10 (3 BF)	
1 BED	46 (8 BF)	
2 BED	25 (8 BF)	8
3 BED	18 (5 BF)	8
4 BED		2
TOTAL	99	18

GRANT TOTAL: 117
*20% Barrier Free units (24 units)

Lemay Michaud
81, rue Metcalfe, bureau 310, Ottawa ON K1P 6K7

PROJECT
OCH - GEYSER PLACE
3380 Jockvale Road,
Ottawa, ON

CLIENT
OTTAWA COMMUNITY HOUSING
39 Auriga Drive
Ottawa, ON
K2E 7Y8

CONSULTANTS
STRUCTURAL: Caruthers & Associates
CIVIL: egis
MECHANICAL & ELECTRICAL: GWAL
LANDSCAPE: Lashley+Associates
PASSIVE HOUSE / ENERGY MODELLING: Thornton Tomasetti, footprint
SECURITY: attain

NOTES
The contractor must verify all dimensions and communicate any discrepancies with the architect before carrying out the work.

This document remains the property of «**LEMAYMICHAUD Architecture Design**» and should be used only for the specific use which it is intended.

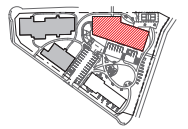
STAMP
Drawing/Specifications "Issued for Construction" are to the best of our knowledge an accurate representation of documented revisions. In the case of any discrepancy, omission or conflict between the "Issued for Construction" documents and the contract documents, the contractor is to promptly notify the architect.

ISSUED	DRAWN BY	VERIFIED BY	APPROVED BY
	Auteur	Vérificateur	Approbateur

PRINTS REVISIONS

NO.	DATE	DESCRIPTION
A	2025-02-20	ISSUED FOR COORDINATION
B	2025-03-21	ISSUED FOR 50% DD COORDINATION

KEY PLAN



STAGE
PRELIMINAIRE

DRAWING
SITE PLAN
SCALE:

PROJECT 124724B

PAGE A100

Appendix C

Chain of Title

And

Parcel Registers

READ Abstracts Limited
331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4
Email: search@readsearch.com
Tel.: 613-236-0664
Fax: 613-236-3677

ENVIRONMENTAL SEARCH

Lopers & Associates
Attn: Luke Lopers

BRIEF DESCRIPTION OF LAND:

3380 Jockvale Rd., Ottawa
Part of Lot 12 and 13, Concession 2 RF Nepean, being Parts 1, 2, 3, and 4 on 4R33029

PIN: part of 04732-5798

LAST REGISTERED OWNER: City of Ottawa

CHAIN OF TITLE:

Lot 13, Con 2

Will RO5978 registered Oct 25, 1852
From Doubes Collins to Sister Pamelia Clothier

Deed NP12033 registered Nov 3, 1887
From Pamelia Clothier to John Dunn

Deed NP14152 registered Apr 22, 1893
From John Dunn to Bernard Dunn

Deed NP17760 registered Mar 26, 1898
From Pamela Clothier to Bernard Dunn and William Dunn

Will NP18552 registered May 21, 1901
From Bernard Dunn to William Dunn

Deed NP55561 registered Aug 16, 1948
From William Dunn to John E. Dunn

Deed CR434494 registered Nov 1, 1961
From John E. Dunn to Earl C. and Ursula M. Rogers

Deed NS231882 registered Mar 12, 1984
From estate of John E. Dunn to Irene A. M. Dunn

Deed LT873012 registered Feb 18, 1994
From Earl C. and Ursula M. Rogers to Ronald Earl Gamble and Ruth Lee Gamble

Deed LT917585 registered Nov 25, 1994
From Irene Anna Mary Dunn to The Corporation of the City of Nepean

Deed OC1210320 registered Feb 25, 2011
From Ronald Earl Gamble and Ruth Lee Gamble to City of Ottawa

Name Change OC1862722 registered Jan 23, 2017
From The Corporation of the City of Nepean to City of Ottawa

Lot 12, Con 2

Deed RO27120 registered Apr 23, 1867
From Robert Grant to Robert Lyon

Deed RO27121 registered Apr 23, 1867
From Robert Lyon to Anna Stevens

Deed RO28450 registered Jul 18, 1868
From Anna Stephens (sic) to A. J. Eastman

Foreclosure NP2384 registered Nov 24, 1873
From Adam J. Eastman to Elisa Grant

Deed NP15277 registered Apr 16, 1891
From Elisa Grant to William Findlay

Deed NP27145 registered Mar 28, 1896
From William Findlay to John Monaghan

Will GER4265 registered Jul 24, 1924
From John Monaghan to Bridgette Monaghan

Deed NP47066 registered Nov 6, 1939
From Bridgette Monaghan to Harold Going

Deed NP61269 registered Dec 28, 1948
From Harold Going to Earl C. and Ursula M. Rogers

Deed LT873012 registered Feb 18, 1994
From Earl C. and Ursula M. Rogers to Ronald Earl Gamble and Ruth Lee Gamble

Deed OC1210320 registered Feb 25, 2011
From Ronald Earl Gamble and Ruth Lee Gamble to City of Ottawa

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PART LOT 13 CONCESSION 2 RIDEAU FRONT, NEPEAN, PARTS 5, 7, 8, 9, 10, 11, 12 AND 13, 4R34672; SUBJECT TO AN EASEMENT OVER PART 13 4R34672 AS IN OC2136864; SUBJECT TO AN EASEMENT IN GROSS OVER PARTS 7, 8, 9, 10 AND 11 4R34672 AS IN OC2555135; SUBJECT TO AN EASEMENT IN GROSS OVER PARTS 5 AND 7 4R34672 AS IN OC2555310; CITY OF OTTAWA

PROPERTY REMARKS: FOR THE PURPOSE OF THE QUALIFIER, THE DATE OF REGISTRATION WITH ABSOLUTE TITLE IS AUGUST 14TH, 2020.

ESTATE/QUALIFIER:	RECENTLY:	PIN CREATION DATE:
FEE SIMPLE LT ABSOLUTE PLUS	DIVISION FROM 04732-5801	2022/12/20

OWNERS' NAMES	CAPACITY	SHARE
OTTAWA COMMUNITY HOUSING CORPORATION/LA SOCIETE DE LOGEMENT COMMUNAUTAIRE D'OTTAWA		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2022/12/20 **						
**SUBJECT TO SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPHS 3 AND 14 AND *						
** PROVINCIAL SUCCESSION DUTIES AND EXCEPT PARAGRAPH 11 AND ESCHEATS OR FORFEITURE **						
** TO THE CROWN UP TO THE DATE OF REGISTRATION WITH AN ABSOLUTE TITLE. **						
OC1135995	2010/07/16	NOTICE		HER MAJESTY THE QUEEN IN RIGHT OF CANADA		C
REMARKS: AIRPORT ZONING REGULATION						
OC2136864	2019/08/29	TRANSFER EASEMENT	$1	CITY OF OTTAWA	ROGERS COMMUNICATIONS INC.	C
4R33029	2020/08/14	PLAN REFERENCE				C
OC2245810	2020/08/14	APL ABSOLUTE TITLE		CITY OF OTTAWA		C
4R34672	2022/06/08	PLAN REFERENCE				C
OC2555135	2022/11/17	TRANSFER EASEMENT	$1	CITY OF OTTAWA	HYDRO OTTAWA LIMITED	C
OC2555309	2022/11/17	TRANSFER	$2	CITY OF OTTAWA	OTTAWA COMMUNITY HOUSING CORPORATION/LA SOCIETE DE LOGEMENT COMMUNAUTAIRE D'OTTAWA	C
OC2555310	2022/11/17	TRANSFER EASEMENT	$1	OTTAWA COMMUNITY HOUSING CORPORATION/LA SOCIETE DE LOGEMENT COMMUNAUTAIRE D'OTTAWA	CITY OF OTTAWA	C
OC2555334	2022/11/17	NOTICE	$1	CITY OF OTTAWA		C
REMARKS: PARTS 5, 7, 8, 9, 10, 11, 12 AND 13, 4R34672						
OC2555335	2022/11/17	CHARGE	$13,238,367	OTTAWA COMMUNITY HOUSING CORPORATION/LA SOCIETE DE LOGEMENT COMMUNAUTAIRE D'OTTAWA	CITY OF OTTAWA	C
OC2649742	2023/11/10	CONSTRUCTION LIEN		*** COMPLETELY DELETED ***		

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				LASER METAL PROFILES LTD.		
OC2652679	2023/11/23	APL DEL CONST LIEN		*** COMPLETELY DELETED *** LASER METAL PROFILES LTD.		
REMARKS: OC2649742.						
OC2679153	2024/04/02	CONSTRUCTION LIEN	$609,285	GURSOY CONSTRUCTION INC.		C
OC2680464	2024/04/05	CONSTRUCTION LIEN	$279,631	POLANE INC.		C
OC2687757	2024/05/07	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** MGR CONTRACTING & MAINTENANCE LTD		
OC2690310	2024/05/17	CONSTRUCTION LIEN	$374,686	R.W. TOMLINSON LIMITED		C
OC2696920	2024/06/12	CERTIFICATE		R. W. TOMLINSON LIMITED	BECC CONSTRUCTION INC. OTTAWA COMMUNITY HOUSING CORPORATION/ LA SOCIETE DE LOGEMENT COMMUNAUTAIRE D'OTTAWA CITY OF OTTAWA	C
OC2703557	2024/07/04	NOTICE	$1	CITY OF OTTAWA	OTTAWA COMMUNITY HOUSING CORPORATION/LA SOCIETE DE LOGEMENT COMMUNAUTAIRE D'OTTAWA	C
OC2703563	2024/07/04	NOTICE	$1	CITY OF OTTAWA	OTTAWA COMMUNITY HOUSING CORPORATION/LA SOCIETE DE LOGEMENT COMMUNAUTAIRE D'OTTAWA	C
OC2704182	2024/07/05	CERTIFICATE		POLANE INC.		C
REMARKS: OC2680464						
OC2717201	2024/08/19	APL DEL CONST LIEN		*** COMPLETELY DELETED *** MGR CONTRACTING & MAINTENANCE LTD		
REMARKS: OC2687757.						
OC2743028	2024/11/15	CONSTRUCTION LIEN	$9,259,139	BECC CONSTRUCTION INC.		C
OC2744711	2024/11/21	CONSTRUCTION LIEN	$608,459	DALI DRYWALL LTD.		

Appendix D

Environmental Risk Information Systems (ERIS) database Search

DATABASE REPORT

Project Property:	*Phase One Environmental Site Assessment Update* *3380 Jockvale Road* *Nepean ON K2J 5G4*
Project No:	*LOP25-011D*
Report Type:	*Standard Report*
Order No:	*25031301248*
Requested by:	*Lopers & Associates*
Date Completed:	*April 25, 2025*

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 One Environmental Site Assessment Update* *3380 Jockvale Road Nepean ON K2J 5G4*
Project No:	*LOP25-011D*

Coordinates:

Latitude:	*45.2659239*
Longitude:	*-75.7433859*
UTM Northing:	*5,012,430.66*
UTM Easting:	*442,258.44*
UTM Zone:	*18T*

Elevation:	*301 FT* *91.83 M*

Order Information:

Order No:	*25031301248*
Date Requested:	*March 13, 2025*
Requested by:	*Lopers & Associates*
Report Type:	*Standard Report*

Historical/Products:

ERIS Xplorer	*ERIS Xplorer*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	4	4
CA	Certificates of Approval	Y	0	0	0
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	1	0	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	2	3
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	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Y	0	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
NPR2	National Pollutant Release Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	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
PFAS	Ontario PFAS Spills	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PPHA	Potential PFAS Handlers from EASR	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	1	0	1
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
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	8	8

Database	Name	Searched	Project Property	Within 0.25 km	Total
Total:		3		15	18

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	ECA	Minto Communities Inc.	3311 Greenbank Rd 3380 Jockvale Road, 2393 Longfields Drive, 2451 Longfields Drive, 261 Bren-Maur Road Ottawa ON K1P 0B6	SSE/0.0	0.05	16
1	EHS		3380 Jockvale Road Nepean ON K2J 4J7	SSE/0.0	0.05	16
1	RSC	CITY OF OTTAWA	3380 Jockvale Road Ottawa ON	SSE/0.0	0.05	16

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		GREENBANK lot 13 con 2 NEPEAN ON ***Well ID:*** 7278702	ESE/82.5	-0.43	17
3	EHS		3311 Greenbank Rd Ottawa ON K2J4J1	WSW/96.7	0.04	19
4	BORE		ON	ESE/131.5	-1.72	19
5	WWIS		lot 13 con 1 ON ***Well ID:*** 1509672	ESE/131.6	-1.72	20
6	WWIS		2393 Longfields dr Ottawa ON ***Well ID:*** 7365193	SE/152.6	-6.78	23
7	WWIS		lot 14 con 2 ON ***Well ID:*** 1517629	WNW/157.3	3.05	26
8	WWIS		lot 12 con 2 ON ***Well ID:*** 1509673	ESE/182.0	-8.51	30
9	BORE		ON	ESE/185.7	-7.95	33
10	WWIS		2393 longfields dr Ottawa ON ***Well ID:*** 7365195	SSW/190.4	0.05	34
11	WWIS		2393 longfields dr Ottawa ON ***Well ID:*** 7365194	ESE/191.2	-8.36	37
12	BORE		ON	ESE/202.2	-10.47	41
13	EHS		2393 Longfields Drive Nepean ON K2J 4J1	SSW/215.4	-0.26	42

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	BORE		ON	ESE/235.3	-2.76	42
15	WWIS		lot 13 con 2 ON ***Well ID:*** 1516112	WNW/241.1	4.91	43
16	SPL	TANK TRUCK	AT RESIDENCE AT 3415 JOCKVALE ROAD TANK TRUCK (CARGO) NEPEAN CITY ON K2J 4K2	ESE/241.3	-4.95	46

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 4 BORE site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	ESE	131.52	4
	ON	ESE	185.67	9
	ON	ESE	202.24	12
	ON	ESE	235.26	14

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Mar 31, 2025 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Minto Communities Inc.	3311 Greenbank Rd 3380 Jockvale Road, 2393 Longfields Drive, 2451 Longfields Drive, 261 Bren-Maur Road Ottawa ON K1P 0B6	SSE	0.00	1

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 31, 2024 has found that there are 3 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3380 Jockvale Road Nepean ON K2J 4J7	SSE	0.00	1

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3311 Greenbank Rd Ottawa ON K2J4J1	WSW	96.65	3

Lower Elevation	Address	Direction	Distance (m)	Map Key
	2393 Longfields Drive Nepean ON K2J 4J1	SSW	215.38	13

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Mar 2025 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
CITY OF OTTAWA	3380 Jockvale Road Ottawa ON	SSE	0.00	1

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2024; Aug-Jan 2025 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
TANK TRUCK	AT RESIDENCE AT 3415 JOCKVALE ROAD TANK TRUCK (CARGO) NEPEAN CITY ON K2J 4K2	ESE	241.26	16

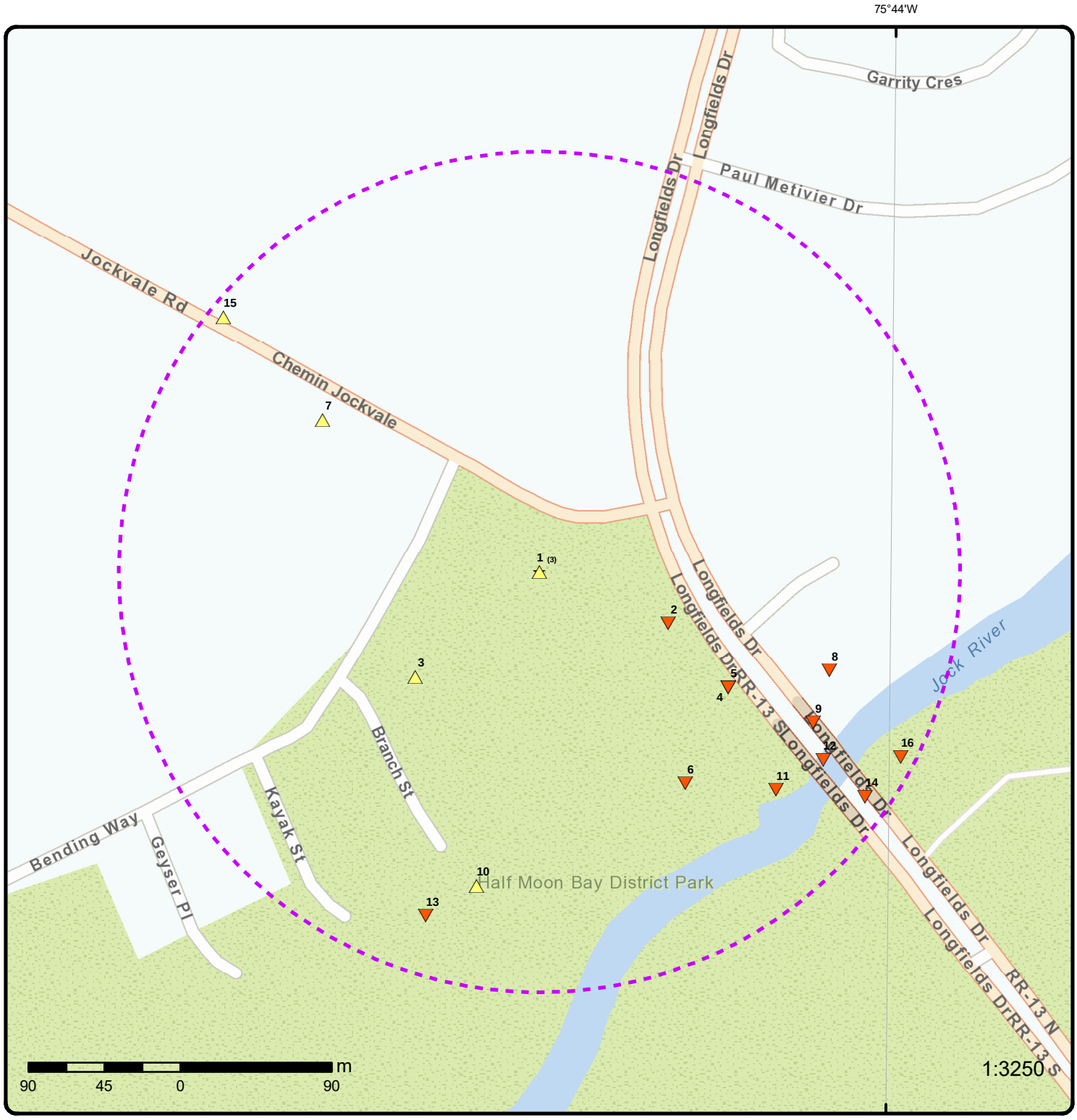
WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 8 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 14 con 2 ON ***Well ID:*** 1517629	WNW	157.27	7
	2393 longfields dr Ottawa ON ***Well ID:*** 7365195	SSW	190.38	10

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 13 con 2 ON ***Well ID:*** 1516112	WNW	241.14	**15**

Lower Elevation	Address	Direction	Distance (m)	Map Key
	GREENBANK lot 13 con 2 NEPEAN ON ***Well ID:*** 7278702	ESE	82.47	**2**
	lot 13 con 1 ON ***Well ID:*** 1509672	ESE	131.59	**5**
	2393 Longfields dr Ottawa ON ***Well ID:*** 7365193	SE	152.59	**6**
	lot 12 con 2 ON ***Well ID:*** 1509673	ESE	181.98	**8**
	2393 longfields dr Ottawa ON ***Well ID:*** 7365194	ESE	191.23	**11**

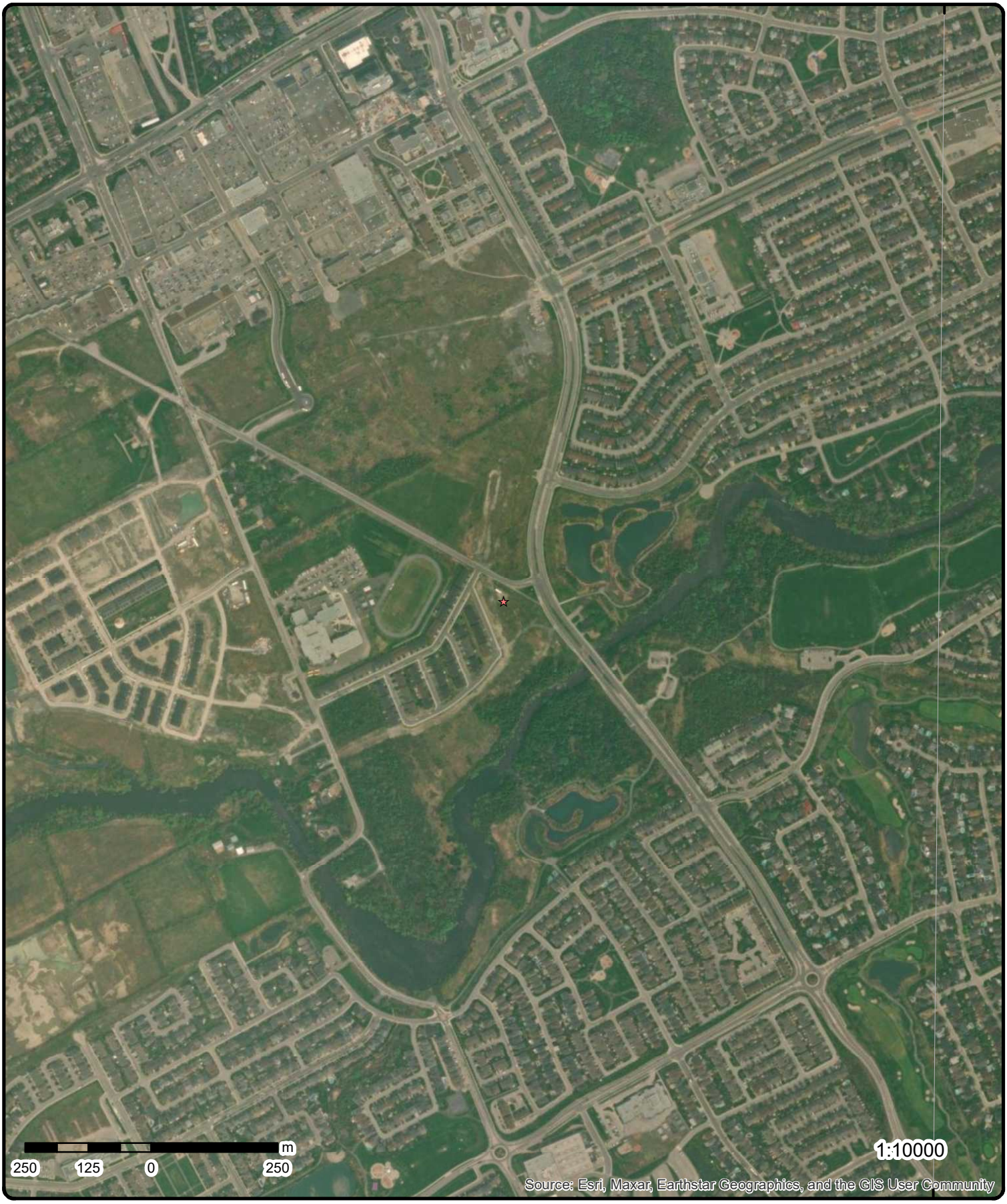


Map: 0.25 Kilometer Radius

Order Number: 25031301248

Address: 3380 Jockvale Road, Nepean, ON

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



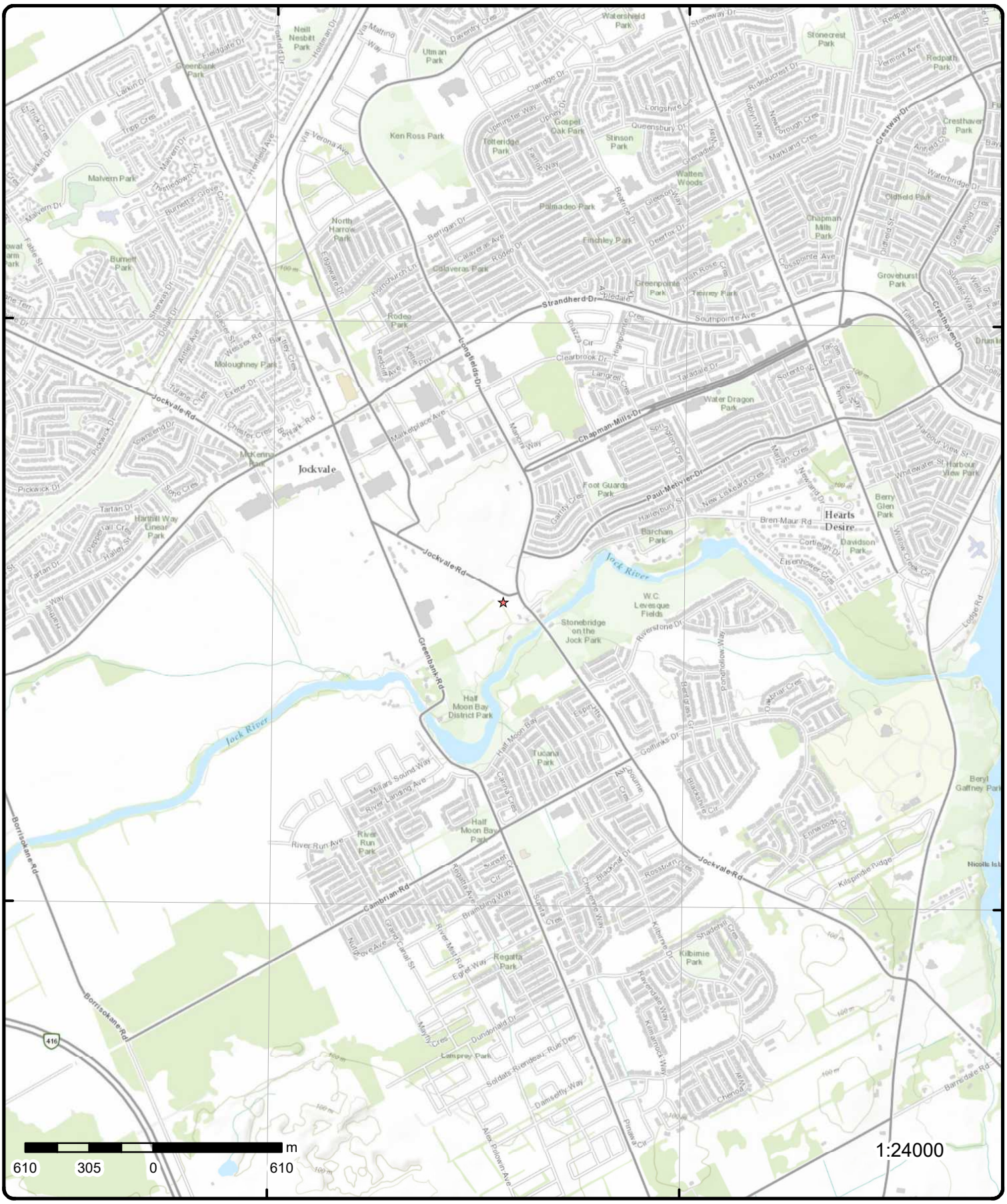
Aerial

Year: 2023

Order Number: 25031301248

Address: 3380 Jockvale Road, Nepean, ON

Source: ESRI World Imagery



Topographic Map

Address: 3380 Jockvale Road, ON

Source: ESRI World Topographic Map

Order Number: 25031301248

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 3	SSE/0.0	91.9 / 0.05	Minto Communities Inc. 3311 Greenbank Rd 3380 Jockvale Road, 2393 Longfields Drive, 2451 Longfields Drive, 261 Bren-Maur Road Ottawa ON K1P 0B6	ECA

Approval No:	7337-B4ZRAV	**MOE District:**	
Approval Date:	2018-10-03	**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
Business Name: Minto Communities Inc.
Address: 3311 Greenbank Rd 3380 Jockvale Road, 2393 Longfields Drive, 2451 Longfields Drive, 261 Bren-Maur Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2221-B4HP4Z-14.pdf
PDF Site Location:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 of 3	SSE/0.0	91.9 / 0.05	3380 Jockvale Road Nepean ON K2J 4J7	EHS

Order No:	20321600001	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	21-DEC-20	**Search Radius (km):**	.25
Date Received:	16-DEC-20	**X:**	-75.7359778
Previous Site Name:		**Y:**	45.2628093
Lot/Building Size:			

Additional Info Ordered: Aerial Photos

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	3 of 3	SSE/0.0	91.9 / 0.05	CITY OF OTTAWA 3380 Jockvale Road Ottawa ON	RSC

RSC No:	B-403-7292728818	**X:**	-75.73555555564425
RA No:		**Y:**	45.26194444368666
Status:	Active	**Latitude:**	45.26194444
Filing Date:		**Longitude:**	-75.73555556
Date Ack:		**UTM Coordinates:**	
Date Returned:		**Latitude Longitude:**	
Approval Date:	July 18, 2024	**Accuracy Estimate:**	
Cert Date:		**Measurement Method:**	
Cert Prop Use No:		**Mailing Address:**	
Curr Property Use:		**Telephone:**	
Intended Prop Use:		**Fax:**	
Restoration Type:		**Email:**	
Soil Type:		**Postal Code:**	K2J 4J8
Criteria:		**Ministry District:**	
Stratified (Y/N):		**MOE District:**	Ottawa
Audit (Y/N):		**SWP Area Name:**	Rideau Valley

Entire Leg Prop. (Y/N):		**Qual Person Name:**	David Carnegie
CPU Issu Sect 1686:		**Consultant:**	
Business Name:	CITY OF OTTAWA		
Address:	3380 Jockvale Road		
Legal Desc:			
Site Pin:	04732-5801 (LT)		
Asmt Roll No:			
Project Type:	RSC based on Phase One and Two ESAs		
Approval Type:	RSC-RSC based on Phase One and Two ESAs		
Applicable Standards:			
PDF Link:	https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=3581230		

2 **1 of 1** **ESE/82.5** **91.4 / -0.43** **GREENBANK lot 13 con 2 NEPEAN ON** **WWIS**

Well ID:	7278702	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Not Used	**Data Entry Status:**	
Use 2nd:	Monitoring	**Data Src:**	
Final Well Status:	Abandoned-Other	**Date Received:**	01/10/2017
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z220196	**Contractor:**	4875
Tag:		**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	013
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7278702.pdf

Additional Detail(s) (Map)

Well Completed Date:	12/10/2012
Year Completed:	2012
Depth (m):	
Latitude:	45.2627318683235
Longitude:	-75.73501435004
X:	-75.7350141888483
Y:	45.26273186107156
Path:	727\7278702.pdf

Bore Hole Information

Bore Hole ID:	1006330911	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	442335.00
Code OB Desc:		**North83:**	5012400.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	12/10/2012	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			

Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1006492993
Layer:
Color:
General Color:
Material 1:
Material 1 Desc:
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth:
Formation End Depth:
Formation End Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1006493000
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006492992
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006492996
Layer: 1
Material: 7
Open Hole or Material: OTHER
Depth From:
Depth To:
Casing Diameter: 32.0
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006492997
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

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

Water Details

Water ID:	1006492995
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1006492994
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

---

3 ***1 of 1*** ***WSW/96.7*** ***91.9 / 0.04*** ***3311 Greenbank Rd Ottawa ON K2J4J1*** ***EHS***

Order No:	20170302251	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	09-MAR-17	***Search Radius (km):***	.25
Date Received:	02-MAR-17	***X:***	-75.737644
Previous Site Name:		***Y:***	45.262189
Lot/Building Size:			
Additional Info Ordered:			

---

4 ***1 of 1*** ***ESE/131.5*** ***90.1 / -1.72*** ***ON*** ***BORE***

Borehole ID:	612023	***Inclin FLG:***	No
OGF ID:	215513333	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	APR-1968	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.262394
Total Depth m:	28.7	***Longitude DD:***	-75.734555
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	442371
Drill Method:		***Northing:***	5012362
Orig Ground Elev m:	89	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	92.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218389837	***Mat Consistency:***	
Top Depth:	11.9	***Material Moisture:***	
Bottom Depth:	28.7	***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. 00092LIMESTONE. NE. 00080CK. SEISMIC VELOCITY = 14500. BEDROCK. SE **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 218389836 **Mat Consistency:**
Top Depth: 7.9 **Material Moisture:**
Bottom Depth: 11.9 **Material Texture:**
Material Color: **Non Geo Mat Type:**
Material 1: Gravel **Geologic Formation:**
Material 2: Sand **Geologic Group:**
Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: GRAVEL,SAND.

Geology Stratum ID: 218389835 **Mat Consistency:**
Top Depth: 0 **Material Moisture:**
Bottom Depth: 7.9 **Material Texture:**
Material Color: **Non Geo Mat Type:**
Material 1: Clay **Geologic Formation:**
Material 2: Boulders **Geologic Group:**
Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: CLAY,BOULDERS.

Source

Source Type: Data Survey **Source Appl:** Spatial/Tabular
Source Orig: Geological Survey of Canada **Source Iden:** 1
Source Date: 1956-1972 **Scale or Res:** Varies
Confidence: **Horizontal:** NAD27
Observatio: **Verticalda:** Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 04531 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

5	1 of 1	ESE/131.6	90.1 / -1.72	lot 13 con 1 ON	WWIS

Well ID: 1509672 **Flowing (Y/N):**
Construction Date: **Flow Rate:**
Use 1st: Livestock **Data Entry Status:**
Use 2nd: Domestic **Data Src:** 1
Final Well Status: Water Supply **Date Received:** 05/08/1968
Water Type: **Selected Flag:** TRUE
Casing Material: **Abandonment Rec:**
Audit No: **Contractor:** 1503
Tag: **Form Version:** 1
Constructn Method: **Owner:**
Elevation (m): **County:** OTTAWA-CARLETON

Elevatn Reliabilty:		**Lot:**	013
Depth to Bedrock:		**Concession:**	01
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509672.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/22/1968
Year Completed:	1968
Depth (m):	28.6512
Latitude:	45.2623927664159
Longitude:	-75.73455493448
X:	-75.73455477262635
Y:	45.262392759165266
Path:	150\1509672.pdf

Bore Hole Information

Bore Hole ID:	10031704	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	442370.70
Code OB Desc:		**North83:**	5012362.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	04/22/1968	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931012748
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	13
Material 2 Desc:	BOULDERS
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	26.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931012750
Layer:	3
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	39.0
Formation End Depth:	94.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931012749
Layer:	2
Color:	
General Color:	
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	09
Material 2 Desc:	MEDIUM SAND
Material 3:	
Material 3 Desc:	
Formation Top Depth:	26.0
Formation End Depth:	39.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961509672
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10580274
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930056046
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	94.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930056045
Layer:	1

Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	41.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991509672
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	15.0
Recommended Pump Depth:	60.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933464562
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	92.0
Water Found Depth UOM:	ft

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6 ***1 of 1*** ***SE/152.6*** ***85.0 / -6.78*** ***2393 Longfields dr Ottawa ON*** ***WWIS***

Well ID:	7365193	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Monitoring and Test Hole	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Monitoring and Test Hole	***Date Received:***	08/14/2020
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z333456	***Contractor:***	7241
Tag:	A296206	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Additional Detail(s) (Map)

Bore Hole ID:	1008444243	**Tag No:**	A296206
Depth M:	6.1	**Contractor:**	7241
Year Completed:	2020	**Latitude:**	45.2618776153226
Well Completed Dt:	06/22/2020	**Longitude:**	-75.7348758658392
Audit No:	Z333456	**Y:**	45.26187760825206
Path:		**X:**	-75.73487570468197

Bore Hole Information

Bore Hole ID:	1008444243	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	442345.00
Code OB Desc:		**North83:**	5012305.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	06/22/2020	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1008744519
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	06
Material 2 Desc:	SILT
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	0.3100000023841858
Formation End Depth:	1.5199999809265137
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1008744520
Layer:	3
Color:	2
General Color:	GREY
Material 1:	06
Material 1 Desc:	SILT
Material 2:	28
Material 2 Desc:	SAND
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	1.5199999809265137
Formation End Depth:	6.099999904632568
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1008744518
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	02
Material 1 Desc:	TOPSOIL
Material 2:	
Material 2 Desc:	
Material 3:	77
Material 3 Desc:	LOOSE
Formation Top Depth:	0.0
Formation End Depth:	0.3100000023841858
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1008744624
Layer:	2
Plug From:	0.3100000023841858
Plug To:	2.740000009536743
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1008744625
Layer:	3
Plug From:	2.740000009536743
Plug To:	6.099999904632568
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1008744623
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1008744689
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	1008744446
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1008744717

Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	3.0999999046325684
Casing Diameter:	5.199999809265137
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1008744743
Layer:	1
Slot:	10
Screen Top Depth:	3.0999999046325684
Screen End Depth:	6.099999904632568
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.03000020980835

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1008744789
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Hole Diameter

Hole ID:	1008744663
Diameter:	11.430000305175781
Depth From:	0.0
Depth To:	6.099999904632568
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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7 | ***1 of 1*** | ***WNW/157.3*** | ***94.9 / 3.05*** | ***lot 14 con 2 ON*** | ***WWIS***

Well ID:	1517629	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/22/1981
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1

Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	014
Depth to Bedrock:		***Concession:***	02
Well Depth:		***Concession Name:***	RF
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517629.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/16/1981
Year Completed:	1981
Depth (m):	15.24
Latitude:	45.2638040910486
Longitude:	-75.7376450487
X:	-75.7376448880271
Y:	45.26380408408831
Path:	151\1517629.pdf

Bore Hole Information

Bore Hole ID:	10039501	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	442129.70
Code OB Desc:		***North83:***	5012521.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	07/16/1981	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931035795
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	13
Material 2 Desc:	BOULDERS
Material 3:	81
Material 3 Desc:	SANDY
Formation Top Depth:	0.0
Formation End Depth:	9.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931035797
Layer:	3
Color:	2
General Color:	GREY
Material 1:	28
Material 1 Desc:	SAND
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	
Material 3 Desc:	
Formation Top Depth:	22.0
Formation End Depth:	32.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931035796
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	
Material 3 Desc:	
Formation Top Depth:	9.0
Formation End Depth:	22.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931035798
Layer:	4
Color:	8
General Color:	BLACK
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	71
Material 2 Desc:	FRACTURED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	32.0
Formation End Depth:	50.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961517629
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10588071
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930069068
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	50.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930069067
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	34.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991517629
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	35.0
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934895575
Test Type:	Draw Down
Test Duration:	60
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934102160
Test Type:	Draw Down
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934376048
Test Type:	Draw Down
Test Duration:	30
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934645882
Test Type:	Draw Down
Test Duration:	45
Test Level:	25.0
Test Level UOM:	ft

Water Details

Water ID:	933474145
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	45.0
Water Found Depth UOM:	ft

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8 | ***1 of 1*** | ***ESE/182.0*** | ***83.3 / -8.51*** | ***lot 12 con 2 ON*** | ***WWIS***

Well ID:	1509673	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	05/08/1968
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	1503
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	012
Depth to Bedrock:		***Concession:***	02
Well Depth:		***Concession Name:***	RF
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509673.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/18/1968
Year Completed:	1968
Depth (m):	32.3088
Latitude:	45.2624876899503
Longitude:	-75.7337913846631
X:	-75.73379122374418
Y:	45.26248768333292
Path:	150\1509673.pdf

Bore Hole Information

Bore Hole ID:	10031705	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	442430.70
Code OB Desc:		***North83:***	5012372.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	04/18/1968	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931012754
Layer: 4
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2: 11
Material 2 Desc: GRAVEL
Material 3:
Material 3 Desc:
Formation Top Depth: 26.0
Formation End Depth: 39.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012751
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012753
Layer: 3
Color:
General Color:
Material 1: 09

Material 1 Desc: MEDIUM SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 26.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012755
Layer: 5
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 39.0
Formation End Depth: 106.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012752
Layer: 2
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2: 13
Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:
Formation Top Depth: 7.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509673
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10580275
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930056047
Layer: 1

Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	44.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930056048
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	106.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991509673
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	42.0
Recommended Pump Depth:	60.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	48
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933464563
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	105.0
Water Found Depth UOM:	ft

9 ***1 of 1*** ***ESE/185.7*** ***83.9 / -7.95*** ***ON*** ***BORE***

Borehole ID:	847967	**Inclin FLG:**	No
OGF ID:	215589624	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	10-MAR-1961	**Municipality:**	
Static Water Level:		**Lot:**	LOT 12
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.262208
Total Depth m:	11.1	**Longitude DD:**	-75.733911

Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	442421
Drill Method:	Diamond Drill	**Northing:**	5012341
Orig Ground Elev m:	28.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	90.6		
Concession:	CON 2		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6559424	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6559426	**Mat Consistency:**	Dense
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	11.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Stones	**Geologic Period:**	
Material 4:	Boulders	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	DENSE TO VERY DENSE, SANDY TO STONY, GREY GLACIAL TILL WITH BOULDERS. BEDROCK - GOOD QUALITY LIMESTONE.		

Geology Stratum ID:	6559425	**Mat Consistency:**	Dense
Top Depth:	.6	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Weathered	**Geologic Group:**	
Material 3:	Stones	**Geologic Period:**	
Material 4:	Boulders	**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	DENSE, WEATHERED. BROWN, STONY GLACIAL TILL WITH BOULDERS **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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10 | ***1 of 1*** | ***SSW/190.4*** | ***91.9 / 0.05*** | ***2393 longfields dr Ottawa ON*** | ***WWIS***

Well ID:	7365195	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring and Test Hole	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Monitoring and Test Hole	**Date Received:**	08/14/2020
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z333455	**Contractor:**	7241
Tag:	A296210	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	

Well Depth: ***Concession Name:***
Overburden/Bedrock: ***Easting NAD83:***
Pump Rate: ***Northing NAD83:***
Static Water Level: ***Zone:***
Clear/Cloudy: ***UTM Reliability:***
Municipality: NEPEAN TOWNSHIP
Site Info:

Additional Detail(s) (Map)

Bore Hole ID:	1008444249	***Tag No:***	A296210
Depth M:	4.57	***Contractor:***	7241
Year Completed:	2020	***Latitude:***	45.2613183885422
Well Completed Dt:	06/23/2020	***Longitude:***	-75.7364491515207
Audit No:	Z333455	***Y:***	45.26131838199112
Path:		***X:***	-75.73644899113913

Bore Hole Information

Bore Hole ID:	1008444249	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	442221.00
Code OB Desc:		***North83:***	5012244.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	06/23/2020	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1008744524
Layer: 1
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 0.3100000023841858
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1008744525
Layer: 2
Color: 6
General Color: BROWN
Material 1: 06
Material 1 Desc: SILT

Material 2:	28
Material 2 Desc:	SAND
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	0.3100000023841858
Formation End Depth:	1.2200000286102295
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1008744526
Layer:	3
Color:	2
General Color:	GREY
Material 1:	06
Material 1 Desc:	SILT
Material 2:	28
Material 2 Desc:	SAND
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	1.2200000286102295
Formation End Depth:	4.570000171661377
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1008744631
Layer:	3
Plug From:	1.2200000286102295
Plug To:	4.570000171661377
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1008744630
Layer:	2
Plug From:	0.3100000023841858
Plug To:	1.2200000286102295
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1008744629
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1008744691
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID: 1008744448
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1008744719
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 1.5199999809265137
Casing Diameter: 5.199999809265137
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1008744745
Layer: 1
Slot: 10
Screen Top Depth: 1.5199999809265137
Screen End Depth: 4.570000171661377
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03000020980835

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1008744791
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
Rate UOM: LPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1008744665
Diameter: 11.430000305175781
Depth From: 0.0
Depth To: 4.570000171661377
Hole Depth UOM: m
Hole Diameter UOM: cm

11	*1 of 1*	*ESE/191.2*	*83.5 / -8.36*	*2393 longfields dr Ottawa ON*	*WWIS*

Well ID:	7365194	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Monitoring and Test Hole	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Monitoring and Test Hole	***Date Received:***	08/14/2020
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z333483	***Contractor:***	7241
Tag:	A296207	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Additional Detail(s) (Map)

Bore Hole ID:	1008444246	***Tag No:***	A296207
Depth M:	6.1	***Contractor:***	7241
Year Completed:	2020	***Latitude:***	45.2618460385889
Well Completed Dt:	06/22/2020	***Longitude:***	-75.7341871696483
Audit No:	Z333483	***Y:***	45.26184603204871
Path:		***X:***	-75.73418700880504

Bore Hole Information

Bore Hole ID:	1008444246	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	442399.00
Code OB Desc:		***North83:***	5012301.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	06/22/2020	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1008744522
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	06
Material 2 Desc:	SILT
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	0.3100000023841858

Formation End Depth: 2.130000114440918
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1008744523
Layer: 3
Color: 2
General Color: GREY
Material 1: 06
Material 1 Desc: SILT
Material 2: 28
Material 2 Desc: SAND
Material 3: 85
Material 3 Desc: SOFT
Formation Top Depth: 2.130000114440918
Formation End Depth: 6.099999904632568
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1008744521
Layer: 1
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 0.3100000023841858
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1008744628
Layer: 3
Plug From: 2.740000009536743
Plug To: 6.099999904632568
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1008744627
Layer: 2
Plug From: 0.3100000023841858
Plug To: 2.740000009536743
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1008744626
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858

Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1008744690
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1008744447
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1008744718
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 3.0999999046325684
Casing Diameter: 5.199999809265137
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1008744744
Layer: 1
Slot: 10
Screen Top Depth: 3.0999999046325684
Screen End Depth: 6.099999904632568
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03000020980835

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1008744790
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
Rate UOM: LPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID:	1008744664
Diameter:	11.430000305175781
Depth From:	0.0
Depth To:	6.099999904632568
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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12 ***1 of 1*** ***ESE/202.2*** ***81.4 / -10.47*** ***ON*** ***BORE***

Borehole ID:	847965	***Inclin FLG:***	No
OGF ID:	215589622	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	07-MAR-1961	***Municipality:***	
Static Water Level:		***Lot:***	LOT 12
Primary Water Use:		***Township:***	NEPEAN
Sec. Water Use:		***Latitude DD:***	45.26201
Total Depth m:	6.4	***Longitude DD:***	-75.733832
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	442427
Drill Method:	Diamond Drill	***Northing:***	5012319
Orig Ground Elev m:	24.4	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 10 metres
DEM Ground Elev m:	87.5		
Concession:	CON 2		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6559418	***Mat Consistency:***	Very Dense
Top Depth:	3.4	***Material Moisture:***	
Bottom Depth:	6.4	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:	Stones	***Geologic Period:***	
Material 4:		***Depositional Gen:***	glacial
Gsc Material Description:			
Stratum Description:	VERY DENSE, SANDY TO STONY, GREY, GLACIAL TILL.		

Geology Stratum ID:	6559416	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.9	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	Weathered	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	glacial
Gsc Material Description:			
Stratum Description:	WEATHERED, BROWN, GALCIAL TILL (GRAVEL-LIKE).		

Geology Stratum ID:	6559417	***Mat Consistency:***	Dense
Top Depth:	.9	***Material Moisture:***	
Bottom Depth:	3.4	***Material Texture:***	Medium
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:		***Geologic Period:***	

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

Material 4: **Depositional Gen:** glacial
Gsc Material Description:
Stratum Description: MEDIUM DENSE, GREY, SANDY, GLACIAL TILL.

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13 **1 of 1** **SSW/215.4** **91.6 / -0.26** **2393 Longfields Drive Nepean ON K2J 4J1** **EHS**

Order No: 20190403151
Status: C
Report Type: RSC Report - Quote
Report Date: 25-APR-19
Date Received: 03-APR-19
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .3
X: -75.73683
Y: 45.261155

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14 **1 of 1** **ESE/235.3** **89.1 / -2.76** **ON** **BORE**

Borehole ID: 847966
OGF ID: 215589623
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 09-MAR-1961
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 12.2
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Diamond Drill
Orig Ground Elev m: 28.4
Elev Reliabil Note:
DEM Ground Elev m: 89.8
Concession: CON 2
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 12
Township: NEPEAN
Latitude DD: 45.261814
Longitude DD: -75.733511
UTM Zone: 18
Easting: 442452
Northing: 5012297
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6559423
Top Depth: 10.7
Bottom Depth: 12.2
Material Color:
Material 1: Bedrock
Material 2: Limestone
Material 3: Shale
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK - GOOD QUALITY LIMESTONE WITH A 5in. SHALE BAND.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 6559422
Top Depth: 5.8
Bottom Depth: 10.7
Material Color: Grey
Material 1: Till
Material 2: Sand
Material 3: Stones
Material 4: Boulders
Gsc Material Description:

Mat Consistency: Very Dense
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen: glacial

Stratum Description: VERY DENSE, SANDY TO STONY, GREY GLACIAL TILL WITH BOULDERS **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6559419	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Topsoil	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: SANDY TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6559420	**Mat Consistency:**	Dense
Top Depth:	.2	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Weathered	**Geologic Group:**	
Material 3:	Stones	**Geologic Period:**	
Material 4:	Boulders	**Depositional Gen:**	glacial

Gsc Material Description:
Stratum Description: DENSE, WEATHERED, BROWN, STONY, GLACIAL TILL WITH BOULDERS.

Geology Stratum ID:	6559421	**Mat Consistency:**	Very Dense
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	5.8	**Material Texture:**	Medium
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Stones	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial

Gsc Material Description:
Stratum Description: VERY DENSE TO MEDIUM DENSE, STONY, GREY GLACIAL TILL.

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15 | **1 of 1** | **WNW/241.1** | **96.7 / 4.91** | **lot 13 con 2 ON** | **WWIS**

Well ID:	1516112	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	08/25/1977
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	013
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516112.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/04/1977
Year Completed:	1977
Depth (m):	71.628
Latitude:	45.2643482780943
Longitude:	-75.7384041488206
X:	-75.73840398750124
Y:	45.26434827088372
Path:	151\1516112.pdf

Bore Hole Information

Bore Hole ID:	10038047	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	442070.70
Code OB Desc:		**North83:**	5012582.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	07/04/1977	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:	
Location Source Date:	
Improvement Location Source:	
Improvement Location Method:	
Source Revision Comment:	
Supplier Comment:	

Overburden and Bedrock Materials Interval

Formation ID:	931031194
Layer:	1
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	49.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931031195
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	49.0
Formation End Depth:	235.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961516112
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10586617
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930066988
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	52.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991516112
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	50.0
Pumping Rate:	7.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934640361
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934898263
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934101654
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934379265
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

Water Details

Water ID:	933472348
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	235.0
Water Found Depth UOM:	ft

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16 ***1 of 1*** ***ESE/241.3*** ***86.9 / -4.95*** ***TANK TRUCK***
AT RESIDENCE AT 3415 JOCKVALE ROAD
TANK TRUCK (CARGO)
NEPEAN CITY ON K2J 4K2 ***SPL***

Ref No:	152389	***Municipality No:***	20104
Year:		***Nature of Damage:***	
Incident Dt:	2/12/1998	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	2/13/1998	***Impact to Health:***	
Dt Document Closed:		***Agency Involved:***	TSSA
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	NEPEAN CITY		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:			
Client Type:			
Source Type:			
Incident Cause:	PIPE/HOSE LEAK		
Incident Preceding Spill:			
Incident Reason:	ERROR		
Incident Summary:	JOHNSTON BAKER FUELS:12 LOF FURNACE OIL TO GROUND FROM TANK, CLEANED UP.		
Environment Impact:	NOT ANTICIPATED		

Health Env Consequence:	
Nature of Impact:	Other
Contaminant Qty:	
Contaminant Qty 1:	
Contaminant Unit:	
Contaminant Code:	
Contaminant Name:	
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	LAND
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	
SAC Action Class:	
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

Unplottable Summary

Total: 89 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Communities Inc.	Part 3, RP 4R-7806, Ward (2), Orleans	Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Communities Inc.	Ward 21	Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	

CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Communities Inc.	Ward 21	Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	City of Ottawa	Lot 13	Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Communities Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
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CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON

CA	Minto Developments Inc.		Ottawa ON	
CA	South Nepean High School	Part of Lot 13, Concession 2 Rideau Front	Ottawa ON	
CA	South Nepean High School	Part of Lot 13, Concession 2 Rideau Front	Ottawa ON	
CA	Village Square Mall	Regional Road No. 13	Ottawa ON	
CA	MONARCH CONSTRUCTION LIMITED	ST.A/JOCKVALE RD/ST.G	NEPEAN CITY ON	
CA	MONARCH CONSTRUCTION LIMITED	ST.A/JOCKVALE RD/ST.G	NEPEAN CITY ON	
CA	CARLETON ROMAN CATHOLIC SCHOOL BOARD	LONGFIELDS BLVD.,BARRHAVEN H.S	NEPEAN CITY ON	
CA	ROCKY PANTALONE - WEST END STATION RESTA	PT. LOT 13 & 14 CONC. 2	NEPEAN CITY ON	
CA	MINISTRY OF THE ENVIR.- GREENBANK RD.	REG. RD. #13/JOCK RIVER/MUD CK	NEPEAN CITY ON	
EBR	The Corporation of the City of Ottawa	Barrhaven Ward Jockvale Road to Standherd Road CITY OF OTTAWA	ON	
EBR	Minto Communities Inc.	Ottawa, Ontario CITY OF OTTAWA	ON	
EBR	Minto Communities		ON	
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 Front)	Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.	(Ottawa Front)	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	Jockvale Road	Ottawa ON	K2G 6J8
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6

ECA	Minto Developments Inc.		Ottawa ON	K1R 7Y2
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Developments Inc.	Future Transitway	Ottawa ON	K1R 7Y2
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Developments Inc.		Ottawa ON	K1R 7Y2
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	Minto Communities Inc.		Ottawa ON	K1P 0B6
GEN	Malroz Engineering Inc.	2393 Longfields Drive	Nepean ON	K2J 4J1
PTTW	Minto Communities Canada Inc.	Lot 12 and 13, Concession 2, Geographic Township: NEPEAN City of Ottawa, Ontario UTM Easting: 442170, UTM Northing: 5012363 NEPEAN	ON	
PTTW	Minto Communities Inc.		ON	
PTTW	Minto Communities Inc.		ON	
PTTW	West Carleton Sand & Gravel Inc.	Four (4) Ponds Address: Lots: 11, 12 and 13, Concession: 2 Geo. Twp. of Nepean, Geographic Township: NEPEAN, Ottawa District Office: Ottawa GeoReference: Zone:	18 Nepean ON	
WWIS		lot 13	ON	
WWIS		lot 13	ON	
WWIS		lot 12	ON	
WWIS		lot 12	ON	
WWIS		lot 12 con 2	ON	

WWIS	lot 12 con 2	ON
WWIS	lot 12	ON

Unplottable Report

Site: **Minto Developments Inc.**
Ottawa ON

Database: CA

Certificate #: 8733-8J9RH6
Application Year: 2011
Issue Date: 7/28/2011
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.**
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: **Minto Developments Inc.**
Ottawa ON

Database: CA

Certificate #: 9152-65XHVP
Application Year: 2004
Issue Date: 10/21/2004
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: **Minto Developments Inc.**
Ottawa ON

Database: CA

Certificate #: 8418-76APWL
Application Year: 2007

Issue Date: 8/22/2007
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 8133-65GMW9
Application Year: 2004
Issue Date: 10/6/2004
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 7996-5Q7RGN
Application Year: 2003
Issue Date: 8/12/2003
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 7788-6XDSAP
Application Year: 2007
Issue Date: 1/19/2007
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 7677-7DPNN3
Application Year: 2008
Issue Date: 5/1/2008
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 7355-6M4TMP
Application Year: 2006
Issue Date: 2/20/2006
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 7163-5SYQ3M
Application Year: 2003
Issue Date: 11/14/2003
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 7043-6P2REB
Application Year: 2006
Issue Date: 4/20/2006
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 6733-5NSKZ9
Application Year: 2003
Issue Date: 6/23/2003
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 6380-6JGQ7B
Application Year: 2005
Issue Date: 12/29/2005
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 6002-7DAKG9
Application Year: 2008
Issue Date: 4/2/2008
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:

Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 5963-766KNS
Application Year: 2007
Issue Date: 8/21/2007
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 5840-6NRNJD
Application Year: 2006
Issue Date: 5/4/2006
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 5109-66JPRR
Application Year: 2004
Issue Date: 11/9/2004
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 4309-6VTJMR

Application Year: 2006
Issue Date: 12/1/2006
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 4208-6J7J5T
Application Year: 2005
Issue Date: 11/17/2005
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 3934-5QBL78
Application Year: 2003
Issue Date: 9/18/2003
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 3403-5MAJ6D
Application Year: 2003
Issue Date: 5/9/2003
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***
Lot 13 Ottawa ON

Database: ***CA***

Certificate #: 3399-6BVHAA
Application Year: 2005
Issue Date: 6/10/2005
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 3360-7H3RCS
Application Year: 2008
Issue Date: 8/8/2008
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 3324-5PXLMV
Application Year: 2003
Issue Date: 7/31/2003
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 2814-68ZN2P
Application Year: 2005
Issue Date: 2/2/2005
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 2803-6XKQB2
Application Year: 2007
Issue Date: 1/25/2007
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 2539-66USUQ
Application Year: 2004
Issue Date: 11/25/2004
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 2530-6JULSK
Application Year: 2005
Issue Date: 12/16/2005
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 2206-5J5J5M
Application Year: 2003
Issue Date: 1/27/2003
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 1930-5HZMDY
Application Year: 2003
Issue Date: 1/21/2003
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 1814-73VJMC
Application Year: 2007
Issue Date: 6/7/2007
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 1688-5ZCP3J
Application Year: 2004
Issue Date: 5/28/2004
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 1530-6QQL2J
Application Year: 2006
Issue Date: 7/14/2006
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 1462-76TNSQ
Application Year: 2007
Issue Date: 9/11/2007
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: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 1305-5PNSMF
Application Year: 2003
Issue Date: 7/22/2003
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 1297-6SPJ46
Application Year: 2006
Issue Date: 8/17/2006
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 1168-67AKKL
Application Year: 2004
Issue Date: 12/7/2004
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Minto Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 1002-6GQJNY
Application Year: 2005
Issue Date: 10/3/2005
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 0681-67QTZP
Application Year: 2005
Issue Date: 1/11/2005
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 Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 0523-7EVPTJ
Application Year: 2008
Issue Date: 8/21/2008
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: ***South Nepean High School***
Part of Lot 13, Concession 2 Rideau Front Ottawa ON

Database: ***CA***

Certificate #: 5530-56PKWF
Application Year: 02
Issue Date: 3/8/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Ottawa carleton Catholic School Board
Client Address: 1224 Main St.
Client City: Stittsville
Client Postal Code: K2S 1B2
Project Description: Sanitary sewer collection system, sewage pumping station, sanitary forcemain and sanitary sewer construction
Contaminants:
Emission Control:

Site: ***South Nepean High School***
Part of Lot 13, Concession 2 Rideau Front Ottawa ON

Database: ***CA***

Certificate #: 2054-57GJUQ
Application Year: 02
Issue Date: 2/20/02
Approval Type: Municipal & Private sewage

Status: Approved
Application Type: New Certificate of Approval
Client Name: Ottawa carleton Catholic School Board
Client Address: 1224 Main St.
Client City: Stittsville
Client Postal Code: K2S 1B2
Project Description: On-site storm drainage system with an off-site drainage swale forming a stormwater management system.
Contaminants:
Emission Control:

Site: ***Village Square Mall***
Regional Road No. 13 Ottawa ON

Database: ***CA***

Certificate #: 7752-4VBMMJ
Application Year: 01
Issue Date: 4/2/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Village Square Mall (Barrhaven) Inc.
Client Address: 17 Fitzgerald Road
Client City: Nepean
Client Postal Code: K2H 9G1
Project Description: Storm and sanitary sewers to be constructed on Greenbank Road
Contaminants:
Emission Control:

Site: ***MONARCH CONSTRUCTION LIMITED***
ST.A/JOCKVALE RD/ST.G NEPEAN CITY ON

Database: ***CA***

Certificate #: 7-0816-99-
Application Year: 99
Issue Date: 10/13/1999
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MONARCH CONSTRUCTION LIMITED***
ST.A/JOCKVALE RD/ST.G NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-1197-99-
Application Year: 99
Issue Date: 10/13/1999
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CARLETON ROMAN CATHOLIC SCHOOL BOARD***
LONGFIELDS BLVD.,BARRHAVEN H.S NEPEAN CITY ON

Database: ***CA***

Certificate #: 8-4183-97-
Application Year: 97
Issue Date: 12/2/1997
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: LAB FUMEHOOD, DIESEL GEN-SET, AUTO SHOP
Contaminants: Nitrogen Oxides, Odour/Fumes, Hydrogen Chloride
Emission Control: Muffler, Noise Control - Acoustic Louvre

Site: ***ROCKY PANTALONE - WEST END STATION RESTA***
PT. LOT 13 & 14 CONC. 2 NEPEAN CITY ON

Database: ***CA***

Certificate #: 8-4088-96-
Application Year: 96
Issue Date: 4/10/1996
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: KITCHEN EXHAUST FOR RESTAURANT
Contaminants:
Emission Control:

Site: ***MINISTRY OF THE ENVIR.-GREENBANK RD.***
REG. RD. #13/JOCK RIVER/MUD CK NEPEAN CITY ON

Database: ***CA***

Certificate #: 7-0930-92-
Application Year: 92
Issue Date: 11/25/1992
Approval Type: Municipal water
Status: Revised
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Corporation of the City of Ottawa***
Barrhaven Ward Jockvale Road to Standherd Road CITY OF OTTAWA ON

Database: ***EBR***

EBR Registry No: 012-8019
Ministry Ref No: MNRF INST 50/16
Notice Type: Instrument Decision
Notice Stage:
Notice Date: November 10, 2016
Proposal Date: June 30, 2016
Year: 2016
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: The Corporation of the City of Ottawa
Site Address:
Location Other:

Proponent Name:
Proponent Address: 100 Constellation Crescent, Ottawa Ontario, Canada K2G 6J8
Comment Period:
URL:
Summary:

Site Location Details:

Barrhaven Ward Jockvale Road to Standherd Road CITY OF 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:
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:
Summary:

Site Location Details:

Ottawa, Ontario CITY OF OTTAWA

Site: ***Minto Communities***
ON

Database: ***EBR***

EBR Registry No: 019-2808
Ministry Ref No: KV-C-001-19
Notice Type: Instrument
Notice Stage: Decision
Notice Date:
Proposal Date: December 4, 2020
Year: 2020
Decision Posted: February 26, 2021
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:
Location Other:
Proponent Name: Minto Communities
Proponent Address: Minto Communities 180 Kent Street Unit 200 Ottawa, ON K1P 0B6 Canada
Comment Period: December 4, 2020 - January 3, 2021 (30 days) Closed
URL: https://ero.ontario.ca/notice/019-2808
Summary:

Site Location Details:

Part of Lot 12, Concession 4, Township of March, Ottawa

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 0606-AHXJCH
Approval Date: 2017-02-02
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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4552-AHSJ74-14.pdf
PDF Site Location:

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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7322-9E4LGN-14.pdf
PDF Site Location:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 8270-A3ZLU2
Approval Date: 2015-11-10
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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8185-A3PRB5-14.pdf
PDF Site Location:

Site: ***Minto Communities Inc.***
(Ottawa Front) Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 6097-9N5HW9
Approval Date: 2014-08-22
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
Business Name: Minto Communities Inc.
Address: (Ottawa Front)

Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9823-9MRHMN-14.pdf
PDF Site Location:

Site: ***Minto Communities Inc.*** ***Database:*** ***ECA***
(Ottawa Front) Ottawa ON K1P 0B6

Approval No: 1810-9L6SH8 ***MOE District:***
Approval Date: 2014-06-27 ***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
Business Name: Minto Communities Inc.
Address: (Ottawa Front)
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6653-9KSHJ5-14.pdf
PDF Site Location:

Site: ***Minto Communities Inc.*** ***Database:*** ***ECA***
Ottawa ON K1P 0B6

Approval No: 7202-97BLB4 ***MOE District:***
Approval Date: 2013-05-23 ***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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4553-95ZKWJ-14.pdf
PDF Site Location:

Site: ***Minto Communities Inc.*** ***Database:*** ***ECA***
Ottawa ON K1P 0B6

Approval No: 0195-95LSVA ***MOE District:***
Approval Date: 2013-03-22 ***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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1964-8XNJA4-14.pdf
PDF Site Location:

Site: ***Minto Communities Inc.*** ***Database:*** ***ECA***
Ottawa ON K1P 0B6

Approval No: 3053-8YJNWU ***MOE District:***
Approval Date: 2012-10-01 ***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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1397-8XNJGH-14.pdf
PDF Site Location:

Site: ***City of Ottawa***
Jockvale Road Ottawa ON K2G 6J8

Database: ***ECA***

Approval No: 1216-8Y2SKS ***MOE District:***
Approval Date: 2012-09-18 ***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
Business Name: City of Ottawa
Address: Jockvale Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8054-8TJLH5-14.pdf
PDF Site Location:

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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1100-8WTMSY-14.pdf
PDF Site Location:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 3002-8PBSB4 ***MOE District:***
Approval Date: 2012-01-31 ***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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6465-8NETCD-14.pdf
PDF Site Location:

Site: ***Minto Developments Inc.***
Ottawa ON K1R 7Y2

Database: ***ECA***

Approval No: 4490-5SYQAN
Approval Date: 2003-11-14
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: Minto Developments Inc.
Address:
Full Address:
Full PDF Link:
PDF Site Location:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3873-9WWLDY-14.pdf
PDF Site Location:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Minto Developments Inc.***
Future Transitway Ottawa ON K1R 7Y2

Database: ***ECA***

Approval No: 7092-5H4K4P
Approval Date: 2003-01-06
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
Business Name: Minto Developments Inc.
Address: Future Transitway
Full Address:
Full PDF Link:
PDF Site Location:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4625-9WXRTA-14.pdf
PDF Site Location:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Minto Developments Inc.***
Ottawa ON K1R 7Y2

Database: ***ECA***

Approval No:	7163-5SYQ3M	***MOE District:***	
Approval Date:	2003-11-14	***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
Business Name: Minto Developments Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2997-5SKKCW-14.pdf
PDF Site Location:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	7598-94TRX3	***MOE District:***	
Approval Date:	2013-02-26	***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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2553-8VDQUF-14.pdf
PDF Site Location:

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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1769-AKEQQZ-14.pdf
PDF Site Location:

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
Business Name: Minto Communities Inc.

Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4569-AQCRKJ-14.pdf
PDF Site Location:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 8605-AYUHJG
Approval Date: 2018-05-30
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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7723-AYKNXD-14.pdf
PDF Site Location:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 6142-BEJHCE
Approval Date: 2019-08-01
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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0892-BDSKVQ-14.pdf
PDF Site Location:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 6432-CA6MRC
Approval Date: January 18, 2022
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: South Nation
MOE District: Ottawa
City:
Longitude:
Latitude:
Geometry X: -8402261.5817000009
Geometry Y: 5691103.7277999958
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2726-C9PS46-14.pdf
PDF Site Location: Avalon South Stormwater Management Facility Expansion
Neighbourhood 4
Lot 4, Concession 10
City of Ottawa, Ontario

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 7661-ABCKQL
Approval Date: 2016-06-30
MOE District:
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		
Business Name:	Minto Communities Inc.		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5664-AB4KGV-14.pdf		
PDF Site Location:			

Site: ***Malroz Engineering Inc.***
2393 Longfields Drive Nepean ON K2J 4J1

Database: ***GEN***

Generator Info

Generator No:	ON8244147	***Choice of Contact:***	
Approval Years:	As of Nov 2021	***Contaminated Fac:***	
Status:	Registered	***MHSW Facility:***	
PO Box No:		***SIC Code:***	
Country:	Canada		
Co Admin:			
Phone No Admin:			
SIC Description:			

Waste Detail(s)

Waste Class:	242 L
Waste Class Name:	Halogenated pesticides and herbicides

2020 Generator Info

Gen No:	ON8244147	***Choice of Contact:***	CO_OFFICIAL
ID:	32994	***Phone No Official:***	613-548-3446 Ext.31
Contaminated Fac:	N	***Phone No Admin:***	
MHSW Facility:	N	***County Ont:***	OTTAWA CARLTON (RM)
NAICS Code1:	541330	***County Out:***	
NAICS Code2:		***District:***	402
NAICS Code3:			
Gen Name:	Malroz Engineering Inc.		
Gen Div:			
Gen Op Name:	Malroz Engineering Inc.		
Gen Op Div:			
Site Adrs1:	2393 Longfields Drive		
Site Bldg:			
Site Pobox:			
Province In:	ONTARIO		
Site Adrs2:			
Site City:	Nepean		
Province Out:			
Site Postal Code:	K2J 4J1		
Site Country:	Canada		
Co Official:	Eric Gallaway		
Co Admin:			

2020 Generator Manifest

ID:	56315	***Sum Received Qty:***	205.0
Generator No:	ON8244147	***Waste Class Name:***	HALOGENATED PESTICIDES
Receiver Type:	035	***Count Manifests:***	1
Waste Char:	L	***District:***	402
Waste Code:	242		

2021 Generator Info

Gen No:	ON8244147	***Choice of Contact:***	CO_OFFICIAL
ID:	33772	***Phone No Official:***	613-548-3446 Ext.31
Contaminated Fac:	N	***Phone No Admin:***	
MHSW Facility:	N	***County Ont:***	OTTAWA CARLTON (RM)
NAICS Code1:	541330	***County Out:***	
NAICS Code2:		***District:***	402
NAICS Code3:			

Gen Name: Malroz Engineering Inc.
Gen Div:
Gen Op Name: Malroz Engineering Inc.
Gen Op Div:
Site Adrs1: 2393 Longfields Drive
Site Bldg:
Site Pobox:
Province In: ONTARIO
Site Adrs2:
Site City: Nepean
Province Out:
Site Postal Code: K2J 4J1
Site Country: Canada
Co Official: Eric Gallaway
Co Admin:

Site: ***Minto Communities Canada Inc.***
Lot 12 and 13, Concession 2, Geographic Township: NEPEAN City of Ottawa, Ontario UTM Easting: 442170, UTM Northing: 5012363 NEPEAN ON

Database: ***PTTW***

EBR Registry No:	013-2921	***Decision Posted:***	
Ministry Ref No:	3551-AY8R3T	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	September 19, 2018	***Act 2:***	
Proposal Date:	May 02, 2018	***Site Location Map:***	
Year:	2018		

Instrument Type: Permit to Take Water - OWRA s. 34
Off Instrument Name:
Posted By:
Company Name: Minto Communities Canada Inc.(OWRA s. 34) - Permit to Take Water
Site Address:
Location Other:
Proponent Name: Minto Communities Canada Inc.
Proponent Address: 180 Kent Street Ottawa Ontario Canada K1P 0B6
Comment Period:
URL: http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTM1MjUx&statusId=MjA3Mzg1&language=en
Summary:

Site Location Details:

Lot 12 and 13, Concession 2, Geographic Township: NEPEAN

City of Ottawa, Ontario

UTM Easting: 442170, UTM Northing: 5012363
NEPEAN

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:
Summary:

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: ***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:
Summary:

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: ***West Carleton Sand & Gravel Inc.***
Four (4) Ponds Address: Lots: 11, 12 and 13, Concession: 2 Geo. Twp. of Nepean, Geographic Township: NEPEAN, Ottawa District Office: Ottawa GeoReference: Zone: 18 Nepean ON

Database: ***PTTW***

EBR Registry No: 011-6934 ***Decision Posted:***
Ministry Ref No: 1801-8WPNLY ***Exception Posted:***
Notice Type: Instrument Decision ***Section:***
Notice Stage: ***Act 1:***
Notice Date: April 15, 2013 ***Act 2:***
Proposal Date: August 13, 2012 ***Site Location Map:***
Year: 2012
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: West Carleton Sand & Gravel Inc.

Site Address:
Location Other:
Proponent Name:
Proponent Address: 3725 Carp Road, Post Office Box Delivery 264, Carp Ontario, Canada K0A 1L0
Comment Period:
URL:
Summary:

Site Location Details:

Four (4) Ponds Address: Lots: 11, 12 and 13, Concession: 2 Geo. Twp. of Nepean, Geographic Township: NEPEAN, Ottawa District Office: Ottawa GeoReference: Zone: 18 Nepean

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Site: ***Database:***
lot 13 ON ***WWIS***

Well ID:	1520666	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	08/08/1986
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	NA	***Contractor:***	1517
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	013
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	OTTAWA CITY		
Site Info:			

Bore Hole Information

Bore Hole ID:	10042508	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	07/17/1986	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Location Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931045467
Layer:	1
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	

Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109179
Layer: 1
Plug From: 0.0
Plug To: 30.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961520666
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10591078
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074202
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 30.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991520666
Pump Set At:
Static Level: 1.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 60.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 70.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934907199
Test Type:
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112552
Test Type:
Test Duration: 15
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387835
Test Type:
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648438
Test Type:
Test Duration: 45
Test Level: 35.0
Test Level UOM: ft

Water Details

Water ID: 933477982
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 72.0
Water Found Depth UOM: ft

Site:
lot 13 ON

Database:
WWIS

Well ID: 1517753
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 03/18/1982
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 013
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10039625
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02/23/1982
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
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: 931036221
Layer: 4
Color: 2
General Color: GREY
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 75.0
Formation End Depth: 175.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931036220
Layer: 3
Color: 2
General Color: GREY
Material 1: 28
Material 1 Desc: SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 55.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931036219
Layer: 2
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931036218
Layer: 1
Color: 7
General Color: RED
Material 1: 28
Material 1 Desc: SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961517753
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10588195
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930069265
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 76.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930069266
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 175.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991517753
Pump Set At:
Static Level: 50.0
Final Level After Pumping: 100.0
Recommended Pump Depth: 165.0

Pumping Rate: 25.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934646421
Test Type: Draw Down
Test Duration: 45
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895696
Test Type: Draw Down
Test Duration: 60
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934376585
Test Type: Draw Down
Test Duration: 30
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934102965
Test Type: Draw Down
Test Duration: 15
Test Level: 100.0
Test Level UOM: ft

Water Details

Water ID: 933474291
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 85.0
Water Found Depth UOM: ft

Site:
lot 12 ON

Database:
WWIS

Well ID: 1535508
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: Z17642
Tag:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 05/28/2005
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6907
Form Version: 3

Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: OTTAWA CITY
Site Info:

Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11316047
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/10/2005
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS:
UTMRC:
UTMRC Desc:
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961535508
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11330902
Casing No: 1
Comment:
Alt Name:

Site:
lot 12 ON

Database: ***WWIS***

Well ID: 1520054
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/02/1985
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1505
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Municipality: NEPEAN TOWNSHIP
Site Info:

Bore Hole Information

Bore Hole ID: 10041904
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/08/1985
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
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: 931043594
Layer: 6
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 26
Material 2 Desc: ROCK
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 68.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043591
Layer: 3
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 14.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043589
Layer: 1
Color: 6
General Color: BROWN
Material 1: 01
Material 1 Desc: FILL
Material 2: 77

Material 2 Desc: LOOSE
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043590
Layer: 2
Color: 6
General Color: BROWN
Material 1: 06
Material 1 Desc: SILT
Material 2: 28
Material 2 Desc: SAND
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 1.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043592
Layer: 4
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 13
Material 2 Desc: BOULDERS
Material 3: 60
Material 3 Desc: CEMENTED
Formation Top Depth: 14.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043593
Layer: 5
Color: 2
General Color: GREY
Material 1: 26
Material 1 Desc: ROCK
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 71
Material 3 Desc: FRACTURED
Formation Top Depth: 60.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961520054
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID:	10590474
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930073157
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	73.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991520054
Pump Set At:	
Static Level:	0.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	35.0
Pumping Rate:	50.0
Flowing Rate:	
Recommended Pump Rate:	50.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934110332
Test Type:	
Test Duration:	15
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934376714
Test Type:	
Test Duration:	30
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934655465
Test Type:	
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID: 934904434
Test Type:
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933477202
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 65.0
Water Found Depth UOM: ft

Site:
lot 12 con 2 ON

Database: ***WWIS***

Well ID: 1531208
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 208601
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/17/2000
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession: 02
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10052742
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/08/2000
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
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: 931077833
Layer: 1
Color:
General Color:
Material 1: 00
Material 1 Desc: UNKNOWN TYPE

Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931077834
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 60.0
Formation End Depth: 130.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961531208
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10601312
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930092211
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991531208
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 100.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934121170
Test Type: Draw Down
Test Duration: 15
Test Level: 125.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934665307
Test Type: Draw Down
Test Duration: 45
Test Level: 110.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934396581
Test Type: Draw Down
Test Duration: 30
Test Level: 125.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934913852
Test Type: Draw Down
Test Duration: 60
Test Level: 60.0
Test Level UOM: ft

Water Details

Water ID: 933491572
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 121.0
Water Found Depth UOM: ft

Site:
lot 12 con 2 ON

Database: ***WWIS***

Well ID: 1531209
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 208600
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/17/2000
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession: 02
Concession Name: CON
Easting NAD83:

Pump Rate: ***Northing NAD83:***
Static Water Level: ***Zone:***
Clear/Cloudy: ***UTM Reliability:***
Municipality: NEPEAN TOWNSHIP
Site Info:

Bore Hole Information

Bore Hole ID: 10052743 ***Elevation:***
DP2BR: ***Elevrc:***
Spatial Status: ***Zone:*** 18
Code OB: ***East83:***
Code OB Desc: ***North83:***
Open Hole: ***Org CS:***
Cluster Kind: ***UTMRC:*** 9
Date Completed: 06/08/2000 ***UTMRC Desc:*** unknown UTM
Remarks: ***Location Method:*** na
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Method of Construction & Well Use

Method Construction ID: 961531209
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10601313
Casing No: 1
Comment:
Alt Name:

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991531209
Pump Set At:
Static Level: 23.0
Final Level After Pumping: 75.0
Recommended Pump Depth: 100.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934121171
Test Type: Draw Down
Test Duration: 15
Test Level: 125.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934913853
Test Type: Draw Down
Test Duration: 60
Test Level: 125.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934396582
Test Type: Draw Down
Test Duration: 30
Test Level: 125.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934665308
Test Type: Draw Down
Test Duration: 45
Test Level: 125.0
Test Level UOM: ft

Site:
lot 12 ON

Database:
WWIS

Well ID: 1523196
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: 39047
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/09/1989
Selected Flag: TRUE
Abandonment Rec:
Contractor: 5222
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044999
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/15/1988
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931053866
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 18
Material 2 Desc: SANDSTONE
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 8.0
Formation End Depth: 78.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931053865
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 01
Material 2 Desc: FILL
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110155
Layer: 1
Plug From: 0.0
Plug To: 21.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523196
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10593569
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930078707
Layer: 2

Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 78.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930078706
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991523196
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 50.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934104365
Test Type: Draw Down
Test Duration: 15
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649580
Test Type: Draw Down
Test Duration: 45
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906781
Test Type: Draw Down
Test Duration: 60
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388597
Test Type: Draw Down
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Water Details

Water ID: 933481373
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 72.0
Water Found Depth UOM: ft

Water Details

Water ID: 933481372
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 56.0
Water Found Depth UOM: ft

Water Details

Water ID: 933481371
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40.0
Water Found Depth UOM: ft

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2024

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-Apr 2024

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-Apr 30, 2024

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2022

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: Oct 2023

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-Apr 30, 2024

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 -Feb 2025

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 2024

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Feb 28, 2025

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). 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. 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 - Aug 2024

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: Oct 2023

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-Mar 31, 2025

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 - Feb 28, 2025

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-Mar 31, 2025

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-Aug 31, 2024

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: Apr 30, 2022

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, 2023

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: Oct 2023

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-Jan 2025

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: Oct 31, 2021

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: Oct 2023

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. As of January 1, 2023, businesses and institutions subject to the amended Reg. 347: General – Waste Management are required to report their activities and pay fees through Resource Productivity & Recovery Authority (RPRA) online Hazardous Waste Program Registry (HWPR) rather than the Hazardous Waste Information Network (HWIN) system previously operated by the Ministry of the Environment, Conservation and Parks (MECP). 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-Jun 30, 2024

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-Apr 2024

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: 31 Oct, 2023

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: Mar 31, 2022

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-Feb 2025

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 Conservation and Parks (MECP) 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. MECP publicly releases the Environmental Compliance Report (ECR) on the Ontario Data Catalogue. In Ontario, all facilities with regulated wastewater discharges or air emissions under the Ontario Water Resources Act and the Environmental Protection Act must monitor and report any cases where approved operating limits have been exceeded.

Government Publication Date: Dec 31, 2023

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-Nov 2023

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-Dec 31, 2024

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 NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Feb 2024

National Pollutant Release Inventory - Historic: 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. This data holds historic records; current records are found in NPR2.

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-May 31, 2024

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) 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 includes well owner/operator, location, permit issue date, and well cap date, license number, 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 provided for each well record.

Government Publication Date: 1800-Aug 2024

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 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 - Feb 28, 2025

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-Mar 31, 2025

Ontario PFAS Spills: Provincial PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Jun 2024; Aug 2024; Oct-Nov 2024

NPRI Reporters - PFAS Substances: Federal PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Feb 2024

Potential PFAS Handlers from NPRI: Federal PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Feb 2024

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Potential PFAS Handlers from EASR: Provincial PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used.

Government Publication Date: Jun 30, 2024

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 PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Feb 28, 2025

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2021

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). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2025

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-Apr 30, 2024

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 by the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Jun 2024; Aug-Jan 2025

Wastewater Discharger Registration Database: Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of 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.

Government Publication Date: 1990-Dec 31, 2021

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 - Apr 2024

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: Feb 28, 2022

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 - Mar 31, 2025

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: Dec 31 2023

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Appendix E

Ministry of Environment, Conservation and Parks – Freedom of Information (FOI) Request

Ministry of the Environment, Conservation and Parks

Corporate Services Branch
40 St. Clair Avenue West
Toronto ON M4V 1M2

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

Direction des services ministériels
40, avenue St. Clair Ouest
Toronto ON M4V 1M2

Ontario

April 16, 2025

Luke Lopers
Lopers & Associates
30 Lansfield Way
Ottawa, Ontario K2G 3V8
luke@lopers.ca

Dear Luke Lopers:

RE: MECP FOI A-2025-01671, Your Reference #: LOP25-011D – Record Release Letter

This letter is further to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to:

3380 Jockvale Road, Ottawa,

Timeframe: January 1st, 1976, to March 13th, 2025

Your final fee payment was received by this office. If payment was not in Canadian dollars, please contact our office immediately.

Attached is a copy of the records.

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

If you have any questions, please contact Jessica Wilson at jessica.wilson@ontario.ca.

Yours truly,
Jessica Wilson

for
Josephine DeSouza
Manager, Access and Privacy Office

Attachment

ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER 7337-B4ZRAV
Issue Date: October 3, 2018

Minto Communities Inc.
180 Kent Street, Unit 200
s.N/R Ottawa, Ontario
K1P 0B6

Site Location: Minto Riversbend
3380 Jockvale Road, 2393

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 Bending Way (from Station 0+018.190 to Station 0+432.827), Estuary Avenue (from Station 0+000.000 to Station 0+109.162), Touring Way (from Station 0+000.000 to Station 0+103.900), Kayak Street (from Station 0+000.000 to Station 0+110.949), Branch Street (from Station 0+000.000 to Station 0+136.182), Branch Street (from approximately 15 metres east of Station 0+116.416 to Station 0+116.416) and Geyser Place (from Station -0+045.168 to Station -0+002.992 and Station 0+149.935 to 0+231.725), discharging to the existing South Nepean Collector Sewer, located on Geyser Place;
- **storm sewers** on Estuary Avenue (from Station 0+001.872 to Station 0+107.506), Touring Way (from Station 0+001.872 to Station 0+102.541), Kayak Street (from Station 0+001.741 to Station 0+112.703), Branch Street (from Station 0+002.243 to Station 0+138.019), Branch Street (from approximately 11 metres east of Station 0+114.895 to Station 0+114.895), Geyser Place (from Station -0+043.681 to Station -0+005.133 and Station 0+232.110 to 0+290.753), Bending Way (from Station 0+015.265 to Station 0+466.894), discharging to a temporary storm ditch, and from temporary storm ditch (Station +197.582 to Station +209.027), discharging to an existing sewer, located on future Riocan Avenue;

- **interim storm ditch** from temporary headwall at Station 0+033.433 to temporary headwall at Station 0+197.582;
- **roadside ditch** on the east side of Greenbank Road from Bending Way south for approximately 65 metres, connecting with the existing ditch, located on Greenbank Road;
- **three (3) CSP culverts** on Jockvale Road crossing Bending Way, Greenbank Road crossing Bending Way, and Greenbank Road extending from an existing culvert crossing a private road; and
- **grassed swale/major overland flow route** at 3380 Jockvale Road, 2393 Longfields Drive and 2451 Longfields Drive, serving major overland flow from a drainage area of approximately 27.5 hectares (ECA Number 1814-73VJMC), having a total length of approximately 83 metres, trapezoidal-shaped with a bottom width of 2 metres, side slopes of 3:1, a maximum depth of 1.2 metres, a maximum flow depth of 0.95 metres (100-year storm event), complete with two sections of 450 millimetre rip-rap stone 0.6 metres thick, discharging at a maximum flow of 8.1 cubic metres per second (100-year storm event) to an existing channel feature before being conveyed to the Jock River, a tributary to the Rideau River;

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. "Interim Works" means the interim Works, described in this Approval and that are to be used for short-term purposes only in accordance with this Approval, until otherwise approval for an extension of this period has been granted;

6. "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;

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

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

9. "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. This Approval to the Interim Works shall expire and become null and void on September 28, 2023.

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 July 6, 2018, received on September 7, 2018, submitted by Minto Communities Inc.;

2. Transfer of Review Letter of Recommendation, dated September 5, 2018 and signed by Jeff Shillington, P. Eng., Project Manager, Development Review, Planning, Infrastructure & Economic Development Department, City of Ottawa;

    a. Final Plans and Specifications prepared by David Schaeffer Engineering 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 David Schaeffer Engineering Ltd.

3. Email dated September 19, 2018 from Matt Wingate, David Schaeffer Engineering Ltd.

4. Email dated September 26, 2018 from Laura Maxwell, David Schaeffer Engineering Ltd.

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 3rd day of October, 2018

C. Labarge

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

SW/

c: District Manager, MECP Ottawa District Office
City Clerk, City of Ottawa (File No. D07-16-17-0015)
Laura Maxwell, David Schaeffer Engineering Ltd.
Matt Wingate, P. Eng., David Schaeffer Engineering Ltd.

Appendix F

Technical Standards and Safety Authority Correspondence

Luke Lopers

From: Public Information Services <publicinformationservices@tssa.org>
Sent: December 16, 2020 10:49 AM
To: Luke Lopers
Subject: RE: TSSA Records Search Request - Environmental Research

Good afternoon,

Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Thanks,

Sherees Thompson | Public Information Agent
Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3363 | Fax: +1-416-231-6183 | E-Mail: sthompson@tssa.org
www.tssa.org

From: Luke Lopers <Luke@lopers.ca>
Sent: December 16, 2020 8:32 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA Records Search Request - Environmental Research

Good morning,

Could you please search the TSSA database for records of fuel storage tanks, spills, incidents or infractions for the following addresses located in the City of Ottawa **(formerly Nepean)**, ON:

- 3380 Jockvale Road
- 211, 261, 320 Bren-Maur Road
- 2451 Longfields Drive
- 3333 Greenbank Road

Thank you for your time,

Luke Lopers, P.Eng.
Principal
LOPERS & ASSOCIATES
Cell: 613-327-9073 Email: Luke@Lopers.ca
30 Lansfield Way, Ottawa, Ontario K2G 3V8

Appendix G

City of Ottawa Historic Land Use Inventory (HLUI)

File Number: D06-03-25-0026

April 4, 2025

Luke Lopers
City of Ottawa – OCHC

Sent via email luke@lopers.ca

Dear Luke Lopers,

Re: Information Request
3380 Jockvale 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:

- **Environmental Remediation Unit:** The City's Environmental Remediation Unit (ERU) has a number of Phase One and Two Environmental Site Assessment reports (AMEC, 2010 & 2011; Golder, 2016) that include a portion of this property. The reports were prepared in conjunction with the City-owned property to the south at 2393 Longfields Drive. Please contact ERU-UAE@ottawa.ca to obtain copies of the reports if required.

- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website: https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx

- **Sewer Use Program:** No records found for this property.

- **Solid Waste Services:** No records found for this property.

Documents Provided:

HLUI Summary Report and HLUI Map

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

For more information on how to interpret the HLUI data identified in the attached excel sheet ('ADDRESS – HLUI Summary report.xlsx'), please refer to the Overview and User Guide."

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

Ottawa Public Health

Ottawa Public Health inspects many different types of establishments. To view inspection results, please visit the Ottawa Public Health website: Public Health Inspections - Ottawa Public Health

Please note that Ottawa Public Health is not the lead agency on land use contamination in the City of Ottawa – contact the Ministry of Environment Conservation and Parks (MECP) for further information.

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

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

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

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

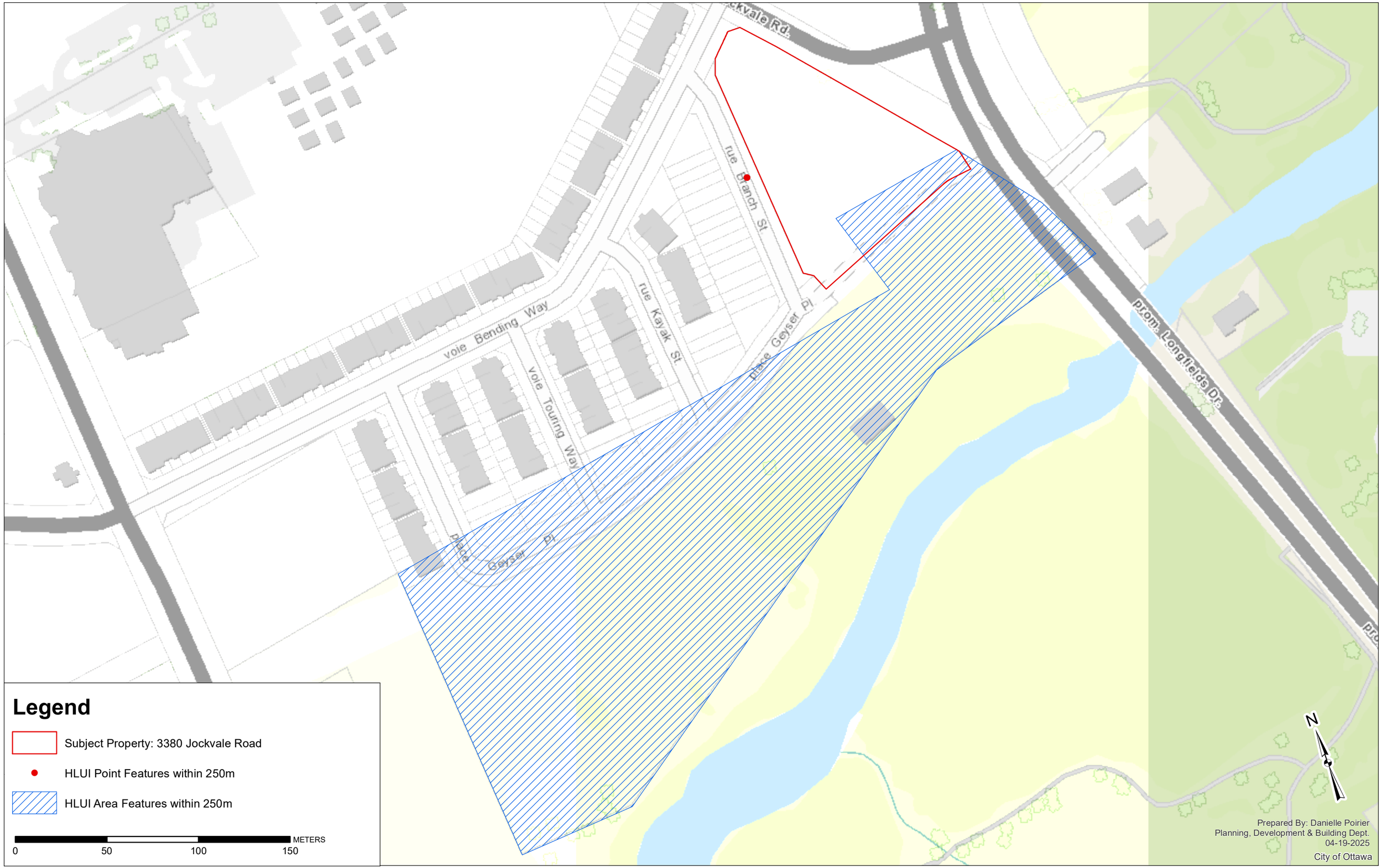
Sincerely,

Danielle Poirier
Student Planner
Development Review
Planning, Development and Building Services Department

Enclosures: (2)
1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-25-00026

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



HLUI SUMMARY REPORT
AREA FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	PIN2017	MUNICIPALITY2017	NAICS
484	GAMBLE'S GREENHOUSES	Hardware, Paint, Glass and Wallpaper Stores (Paint Storage)	2005-SelectPhone	1	2005	c. 2005	3392	JOCKVALE	RD	47320034	NEPEAN	444210; 444220
495	MASTERTRADES HOME SERVICES	Residential Building and Development	2001-ES	1	2001	c. 2001	3265	JOCKVALE	RD	47325039	NEPEAN	236110

HLUI SUMMARY REPORT
POINT FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	TANK_CONTENT	TANK_SIZE	TANK_TYPE	TANK_STATUS	SOURCE	INSTALLED_ST_NUM	INSTALLED_ST_NAME	INSTALLED_ST_ABR	COMMENT	MTM_X	MTM_Y	IMAGE_CERTAINTY	NATURE_OF_BUSINESS	TEMPRECordID	CAPACITY_UOM	POSTCODE
7761	REGIONAL MUNICIPALITY OF OTTAWA CARLETON	Private Fuel Outlet	diesel	25000	Licenced	Current	GW Study 2004	4244	JOCKVALE	RD	22/04/01 Point Reviewed, further update not possible.	364720.6519	5013922.362	3	Private	767	L	<Null>
7759	REGIONAL MUNICIPALITY OF OTTAWA CARLETON	Private Fuel Outlet	gasoline	10000	Licenced	Current	GW Study 2004	4244	JOCKVALE	RD	22/04/01 Point Reviewed, further update not possible.	364720.6519	5013922.362	3	Private	765	L	<Null>
7760	REGIONAL MUNICIPALITY OF OTTAWA CARLETON	Private Fuel Outlet	gasoline	10000	Licenced	Current	GW Study 2004	4244	JOCKVALE	RD	22/04/01 Point Reviewed, further update not possible.	364720.6519	5013922.362	3	Private	766	L	<Null>

From: Kiar, David
To: Luke Lopers
Cc: hlui; ERU /UAE
Subject: RE: HLUI Response - 3380 Jockvale Rd - File No. D06-03-25-0026
Date: April 24, 2025 10:50:21 AM
Attachments: image001.png
image002.png
image003.png
25-0026 HLUI Summary Report.xlsx
Reference Map -3380 Jockvale.pdf
HLUI - Overview Guide (Planning).pdf

Hi Luke,

I hope you're doing well. I received your inquiry about HLUI around this property.

As you may be familiar, the HLUI database is an amalgamation of various data sources, and yes, unfortunately there are some points/features in the HLUI which may not be totally accurate and/or require verification from other sources. It's not totally uncommon for a QP or other reviewer to identify this type of discrepancy to exclude some type of PCA where the feature information from the HLUI doesn't line up with other information sources.

In this particular case, it looks like these point features are coming from the '2004 GW Study' and only having an 'Image Certainty' of 3.

According to the HLUI reference material, the 'GW Study 2004' refers to: *a Threats database (MS ACCESS format) generated as part of a regional groundwater study for Renfrew County, Mississippi Valley Conservation Authority (MVCA), and Rideau Valley Conservation Authority (RVCA). This Threats database included a listing of contamination activities that reportedly post a threat or concern to drinking water resources. The database listed business, activities and storage tank locations located within Mississippi-Rideau Source Protection Watershed and provided easting and northing coordinate locations based on postal code. All tables within the database were reviewed and records of threats located within the City of Ottawa boundary base on location in this database were extracted and entered into the HLUI. Typical information contained in this database included gas stations, private fuel outlets, bulk plants, etc. The challenge for this dataset is that the location based on postal code does not provide accurate locations, so all the data in the property based inventories were checked and adjusted manually based on unformatted address locations provided. Multiple businesses were listed under P.O. Box number, which were compared with other sources of data for duplications of the same business as well as using Google map to locate the business for each entry. In total 1,169 records were included in the HLUI2019_Poly feature class from this data source. Storage tanks data was also processed similarly and in most instances, these were manually plotted to their correct location. Many of the storage tank occurrences are duplicates of the TSSA information discussed in Section 3.1.10. These duplicates could be merged in a future version of the HLUI database to provide better accuracy but was not part of the scope of this report. The 2004 groundwater study identified a total of 1,806 points in the HLUI2019_Point feature class.*

The 'Image Certainty' of 3 infers that there is not a high confidence level in the accuracy of this information (i.e. it should be corroborated with other sources to confirm if this feature did or did not in fact occur at the plotted location). The 'Comment' section noted in that 'further update not possible' which infers that we also could not confirm the presence of these tanks at this location during our 2022 HLUI review/updates. As you've also rightly pointed out, there is indeed a municipal works yard with private fuel outlet down the road, corresponding to 4244 Rideau Valley Drive; so its possible these tank locations should be pointing here…

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	TANK_CONTENT	TANK_SIZE	TANK_TYPE	TANK_STATUS	SOURCE	INSTALLED_ST_NUM	INSTALLED_ST_NAME	INSTALLED_ST_ABR	COMMENT	MTM_X	MTM_Y	IMAGE_MAP	IMAGE_CERTAINTY
7761	REGIONAL MUNICIPALITY OF OTTAWA CARLETON	Private Fuel Outlet	diesel	25000	Licenced	Current	GW Study 2004	4244	JOCKVALE	RD	22/04/01 Point Reviewed, further update not possible.	364720.6519	5013922.362		3
7759	REGIONAL MUNICIPALITY OF OTTAWA CARLETON	Private Fuel Outlet	gasoline	10000	Licenced	Current	GW Study 2004	4244	JOCKVALE	RD	22/04/01 Point Reviewed, further update not possible.	364720.6519	5013922.362		3
7760	REGIONAL MUNICIPALITY OF OTTAWA CARLETON	Private Fuel Outlet	gasoline	10000	Licenced	Current	GW Study 2004	4244	JOCKVALE	RD	22/04/01 Point Reviewed, further update not possible.	364720.6519	5013922.362		3

IMAGE_CERTAINTY	This provided information on the confidence value of the image in relation to the tank in the record. In some instances, the location and information for the tanks when compared to that of the image provided was unmistakably correct, giving it a certainty value of 1, less confident resulted in a certainty of 2 and not confident at all resulted in a certainty of 3.

All this to say, it is definitely possible for features plotted in the HLUI to have inaccuracies, and the information in the HLUI should be referenced in combination with other sources to validate or exclude based on QP judgement, etc.

Hope this is helpful – don't hesitate to contact me if you have any questions or concerns.
Thank you

David Kiar | Specialist, Environmental Remediation
Environmental Remediation Unit
Strategic Initiatives Department

City of Ottawa, 110 Laurier Avenue West - 5th Floor West, Ottawa, ON K1P 1J1
M: 613.868.8145 | david.kiar@ottawa.ca

From: hlui <hlui@ottawa.ca>
Sent: April 24, 2025 9:45 AM
To: Kiar, David <david.kiar@ottawa.ca>
Cc: hlui <hlui@ottawa.ca>
Subject: FW: HLUI Response - 3380 Jockvale Rd - File No. D06-03-25-0026
Importance: High

Good morning, David,
Would this (see below) be an enquiry you can help us answer?

Thank you,
Evode Rwagasore MCIP - RPP
Urban Planner I *Urbaniste*
Planning, Development
and Building Services *de la planification,*
de l'aménagement et du bâtiment
110 Laurier Ave West I ***110, av. Laurier ouest***
Ottawa (Ontario) K1P 1J7
Evode.Rwagasore@ottawa.ca
613.580.2424 - 16483

From: Luke Lopers <Luke@lopers.ca>
Sent: April 24, 2025 7:41 AM
To: Poirier, Danielle <danielle.poirier@ottawa.ca>; Rwagasore, Evode <Evode.Rwagasore@ottawa.ca>
Cc: hlui <hlui@ottawa.ca>; Dylan Bennett <Dylan_Bennett@och.ca>
Subject: RE: HLUI Response - 3380 Jockvale Rd - File No. D06-03-25-0026
Importance: High

Good morning,

Is it possible (or extremely likely) that the gas station shown on the reference map immediately adjacent to my Site is actually located 4.4 km southeast? 4244 Rideau Valley Dr (which is an extension of Jockvale Road) is a plausible actual location of this fuel facility.

This has implications on the Phase One ESA and needs to be addressed urgently.

Regards,

Luke Lopers, P.Eng.
Principal
LOPERS & ASSOCIATES
Cell: 613-327-9073 Email: Luke@Lopers.ca
30 Lansfield Way, Ottawa, Ontario K2G 3V8

From: Poirier, Danielle <danielle.poirier@ottawa.ca>
Sent: April 4, 2025 9:33 AM
To: Luke Lopers <Luke@lopers.ca>
Cc: hlui <hlui@ottawa.ca>
Subject: HLUI Response - 3380 Jockvale Rd - File No. D06-03-25-0026

Good morning,

Please find the attached Historical Land Use Inventory Response for 3380 Jockvale Rd (File No. D06-03-25-0026).

For more information on how to interpret the HLUI data identified in the attached excel sheet ('25-0026 – HLUI Summary report.xlsx'), please refer to the "Overview and User Guide."

Regards,

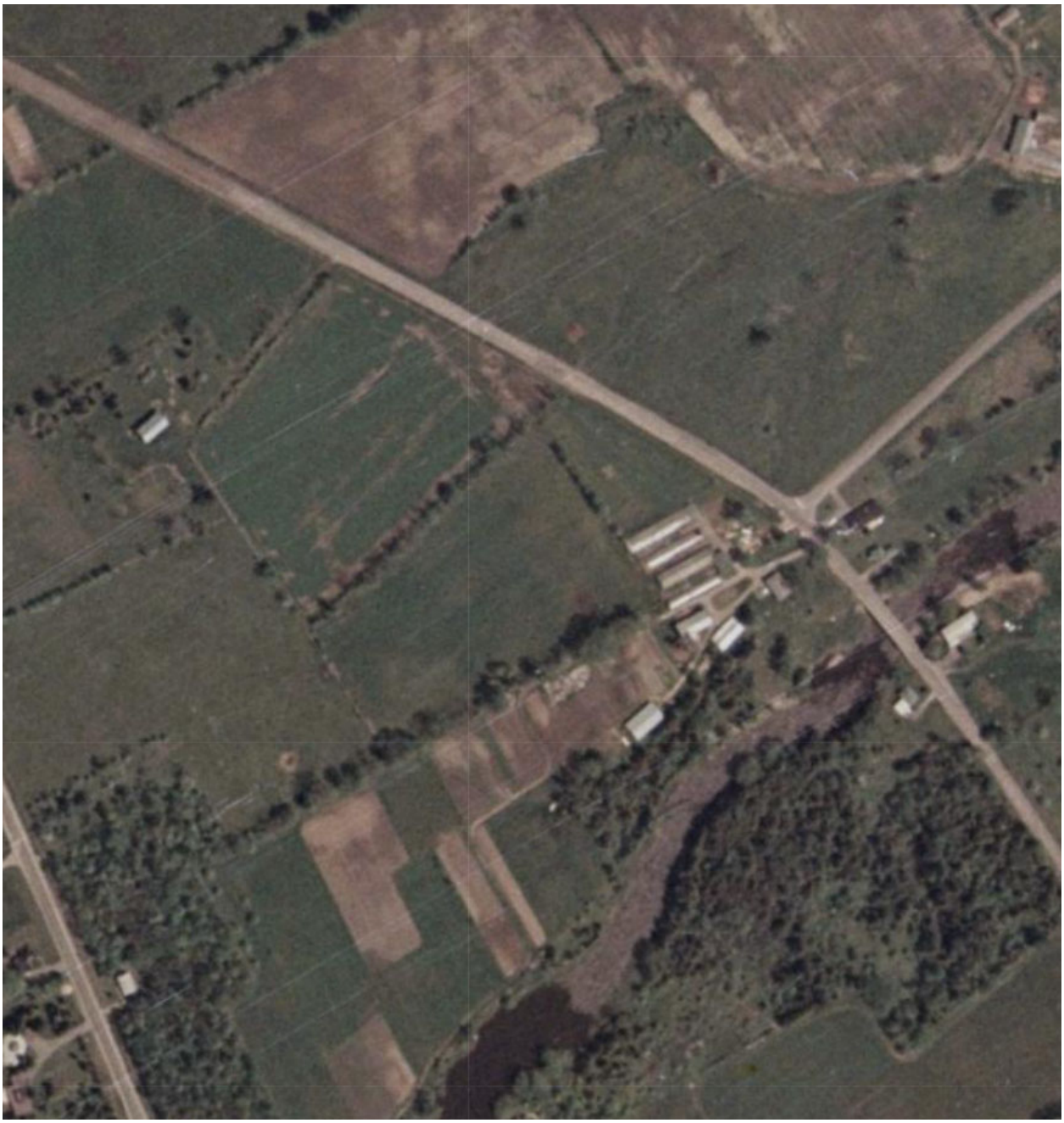
Danielle Poirier
Student Planner | Étudiante en Urbanism
Development Review | Examen des projects d'amenagement
City of Ottawa | Ville d'Ottawa

Appendix H

Aerial Photographs

1936 Aerial Photograph

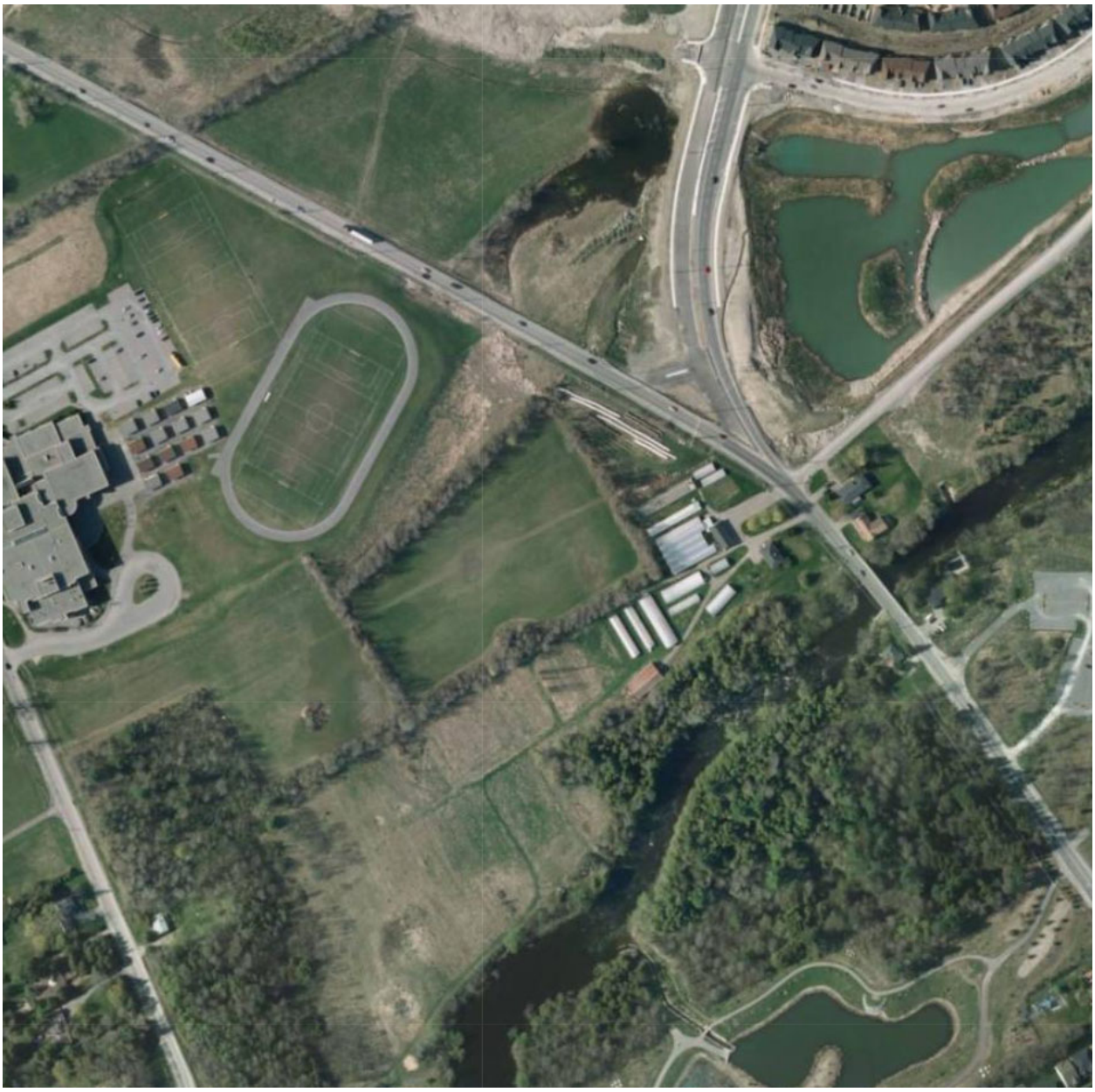
1953 Aerial Photograph



1976 Aerial Photograph

1991 Aerial Photograph

2002 Aerial Photograph



2011 Aerial Photograph

2014 Aerial Photograph

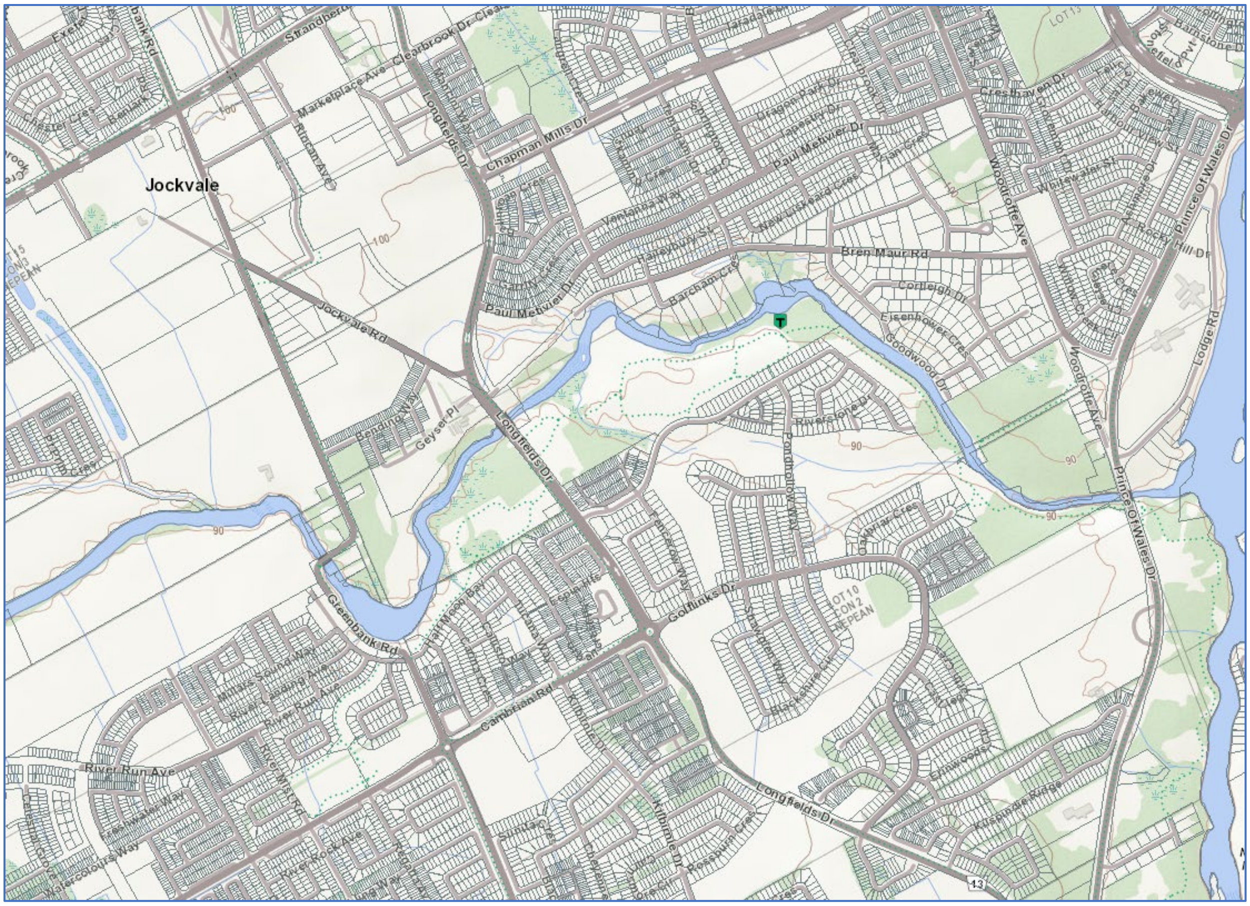
2017 Aerial Photograph

2019 Aerial Photograph

2022 Aerial Photograph

Appendix I

Topographic Map



Topographic Map

Appendix J

Photographic Log

2020 Photograph 1: View of the north portion of the Phase One Property looking south.

2020 Photograph 2: View of the west portion of the Phase One Property looking south. View also shows future municipal right-of-way to the west of the Property.

2020 Photograph 3: View of the granular stockpiles on the north-central portion of the Phase One Property; view is looking southeast.

2020 Photograph 4: View of the east side of the Phase One Property looking north from the east-central portion of the Property.

2020 Photograph 5: View of the stockpiles on the central portion of the Phase One Property; view is looking northeast.

2020 Photograph 6: View of one of the stockpiles on the south-central portion of the Phase One Property; view is looking west. The larger stockpiles are in the background of this photograph.

2020 Photograph 7: View of the vacant neighbouring property to the south of the Phase One Property looking west. The residential developments further west of the Phase One Property are also visible.

2020 Photograph 8: View of the Jock River located approximately 130 m south of the Phase One Property; view is looking west.

2025 Photograph 9: View of the west portion of the Phase One Property looking north from the southwest corner of the Site.

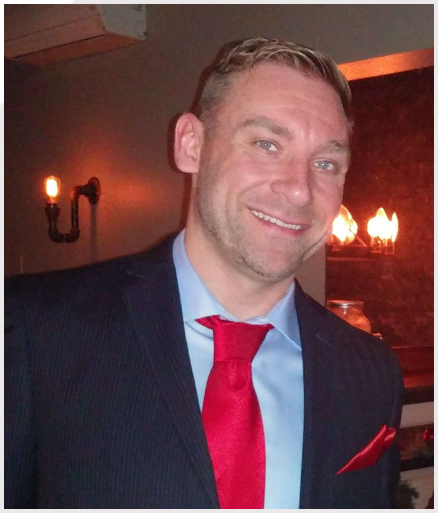
2025 Photograph 10: View of the north portion of the Phase One Property looking south. View shows recently poured concrete foundations on the north portion of the Property.

2025 Photograph 11: View of material storage on the east portion of the Phase One Property looking west.

2025 Photograph 12: View of material storage on the east portion of the Phase One Property looking south.

Appendix K

Qualifications of Assessors



PROFILE

Mr. Lopers is an environmental engineer with over 12 years of experience in environmental engineering specializing in due diligence investigations. Mr. Lopers has extensive experience in Phase I and II Environmental Site Assessments; environmental remediation, and investigations; record of site condition submissions; asset inventory, designated substance surveys and abatement projects; environmental expertise on legal issues; and coordination of various monitoring programs (groundwater, surface water, air).

Mr. Lopers has participated in various Property Condition and Building Envelope mandates at various residential and commercial properties throughout Ontario.

Mr. Lopers has a strong commitment to health and safety, having experience leading a regional health and safety committee as a certified employee representative. Mr. Lopers has extensive training including OSHA 40-hour HAZWOPER, ASP Health and Safety on Construction Sites in Quebec, Ontario Working at Heights, Emergency First Aid/CPR and WHMIS.

CONTACT

EMAIL:
Luke@Lopers.ca

LUKE LOPERS

Principal
LOPERS & ASSOCIATES

EDUCATION

University of Waterloo,
B.A.Sc., Honours Environmental Engineering
Management Science Option Designation - 2002 - 2008

PROFESSIONAL EXPERIENCE

Lopers & Associates, Principal, Project Manager, Senior Environmental Engineer
Ottawa, Ontario - 2020–Present
Responsible for the management, coordination, supervision, completion and delivery of Phase I/1 and II/2 Environmental Site Assessments, Environmental Remediation Programs, Environmental litigation support, Designated Substance Surveys, scope of work development, cost estimates and proposals

GHD Limited, Project Manager, Senior Environmental Engineer
Ottawa, Ontario - 2013–2020
Responsible for the management, senior technical review, coordination, supervision, completion and delivery of Phase I/1 and II/2 Environmental Site Assessments, Environmental Remediation Programs, Environmental litigation support, Designated Substance Surveys, scope of work development, cost estimates and proposals
Office Safety Captain and Joint Health and Safety Committee team leader

Paterson Group Inc., Project Manager, Environmental Engineer
Ottawa, Ontario - 2009–2013
Responsible for supervision, completion and review for Phase I/1 and II/2 Environmental Site Assessments, Environmental Remediation Programs, Designated Substance Surveys

NEXT Environmental Inc., Site Investigation Staff
Burnaby, British Columbia - 2008–2009
Responsible for fieldwork and reporting for Stage/Phase I and II Environmental Site Assessments, Environmental Remediation Programs

PROFESSIONAL DESIGNATIONS

Licensed Professional Engineer (P.Eng.) with Professional Engineers Ontario (PEO) since 2012

Qualified Person (QP), Environmental Site Assessments with Ontario Ministry of the Environment, Conservation and Parks

PROJECT EXPERIENCE

Environmental Site Assessments

Project Engineer/Manager
Phase 1 Environmental Site Assessment | Various Clients | Ontario, Quebec and British Columbia | 2006-2020

Project Engineer/Manager for Phase I Environmental Site Assessments in support of acquisition/divestiture/regulatory requirements for various properties in Ontario, Quebec and British Columbia, including the following:

- Canadian Tire Retail Store and Gas Bar, CTR 417 - 2560 Princess Street, Kingston, Ontario
- Former Automotive Dealership and Service Garage, North Vancouver, British Columbia
- Former Philips Cable Plant, Brockville, Ontario
- Former Cornwall Cotton Mill, Cornwall, Ontario
- Retail Fuel Outlet and Automotive Service Garage, Ottawa, Ontario
- Jack Garland Airport Land, North Bay, Ontario
- Various Commercial/Residential Properties, Ontario and British Columbia
- Various Residential Properties, Ontario, Quebec and British Columbia
- Rochester Heights (811, 818 Gladstone Avenue), Ottawa, Ontario

Project Engineer/Manager
Phase Two Environmental Site Assessments | Various Clients | Various Locations | 2008-2020

Project Engineer/Manager for the following field investigation and/or regulatory reporting requirements for Phase II ESAs and other Site Investigations:

- Proposed Canadian Tire Development, CTR 693P - Terry Fox Drive at Eagleson Road, Stittsville, Ontario
- Former Retail/Private Fuel Outlets, Ottawa/North Bay/Vancouver, Canada
- Operational/Former Industrial Facilities, Ottawa/Cornwall/Sarnia/Brockville/Gananoque, Ontario
- Existing Dry Cleaning Facilities, Ottawa/Arnprior, Ontario
- Automotive Service Garages, Ottawa/Vancouver, Canada
- Various Commercial/Residential Properties, Eastern Ontario
- Tetrachloroethylene Groundwater Plume, Commercial Property, Ottawa, Ontario
- Rochester Heights (811, 818 Gladstone Avenue), Ottawa, Ontario

Project Manager
Phase One, Phase Two Environmental Site Assessments, Environmental Delineation Quality Assurance Program | Costco Wholesale | Ottawa, ON | 2014-2019

Project Manager for the completion of a Phase One ESA for the potential acquisition of a commercial property. Upon discovery of APECs at the Site and significant data gaps in previous investigations, completed a Phase Two ESA to evaluate soil and groundwater quality at the Site. Further oversight of original owner's environmental consultants was completed to ensure adequate delineation and characterization of a dNAPL groundwater plume at the Site, present at significant depths in shale bedrock, which originated as a result of a former on-Site dry-cleaning operation.

Environmental Remediation Programs

Project Engineer
Underground Fuel Storage Tank Removals and Environmental Remediation Programs in Vicinity of Active Underground Services | Ottawa, ON | 2010, 2012

Project Engineer for removal of underground heating oil storage tanks adjacent to residential buildings. Completed excavation supervision of contaminated soil around and below active underground services, including hydro, water and natural gas infrastructure at residential properties. Activities included oversight of removal of petroleum, impacted soil, and field screening and collection of confirmatory soil and groundwater samples for petroleum hydrocarbon analysis. Prepared Phase I, II and III Environmental Site Assessment reports.

Project Engineer
Retail Fuel Outlet Decommissioning and Remediation | Ottawa, ON | 2012

Project Engineer for UST removal and confirmatory soil sampling at former ESSO gas station in Ottawa, Ontario. Activities included oversight of removal of USTs and product lines, oversight of removal of petroleum-impacted soil and groundwater encountered and backfilling operations, and field screening and collection of confirmatory soil and groundwater samples for petroleum hydrocarbon analysis.

Project Engineer/Manager
Former Fuel Outlet Investigation and Remediation | Merrickville, ON | 2016-2017

Project Engineer for confirmatory soil and groundwater sampling following UST removal at former Shell gas station. Activities included oversight of removal of petroleum-impacted soil, pumping of groundwater encountered and backfilling operations, and field screening and collection of confirmatory soil and groundwater samples for petroleum hydrocarbon analysis. Additional borehole/monitoring well drilling also completed.

Record of Site Conditions

Project Manager/Engineer
Residential Redevelopment | Environmental Remediation Program and Record of Site Condition Submission | Ottawa | 2015

Project Manager for delineation of soil contamination and groundwater sampling for a former automotive garage and gas station property in Ottawa, Ontario. Presented and implemented remedial action plan to remediate on-Site contamination. Directed staff in collection of post remediation confirmatory soil and groundwater samples for contaminants of concern. Prepared remediation closure report and record of site condition supporting documentation for submission to the Ministry of the Environment and Climate Change.

Project Manager/Engineer
Industrial Development | Environmental Assessment and Record of Site Condition Submission | Township of Edwardsburgh/Cardinal | 2015

Project Manager for environmental assessments for a proposed industrial business park, in an existing industrial area within the Township of Edwardsburgh/Cardinal, Ontario. Prepared environmental assessment reports and record of site condition supporting documentation for submission to the Ministry of the Environment and Climate Change.

Excess Soil Management

Project Engineer/Manager
Management of Excess Soil | CTREL, Brigil, Ottawa Community Housing Corporation | Ottawa and Pembroke, Ontario | 2016, 2018

Project Engineer/Manager for sampling, analytical testing, development of soil management plans and monitoring during removal of excess soil generated as part of construction activities, including the following properties/facilities:

- Rochester Heights (811, 818 Gladstone Avenue), Ottawa, Ontario
- Residential redevelopment, 121 Parkdale Avenue, Ottawa, Ontario
- CTR 079, 1104 Pembroke Street East, Pembroke, Ontario
- CTR 297, 2010 Ogilvie Road, Ottawa, Ontario

Designated Substance Surveys

Project Manager

Designated Substance Surveys and Hazardous Building Materials Assessment | Ottawa, Pembroke, Southeastern Ontario | 2010-2020

Project Manager for asbestos containing material (ACM) surveys, designated substance surveys (DSSs), Hazardous Building Materials Assessments (HBMAs) or mould assessments at the following sites:

- DSSs at various municipal facilities for the City of Pembroke, Pembroke, Ontario. Preparation of Asbestos Management Plan.
- HBMAs at various institutional buildings for the Catholic District School Board of Eastern Ontario, Southeastern Ontario.
- DSSs and ACM surveys at various residential, buildings (dwellings and apartment buildings) for private residential clients, Ottawa, Ontario.
- DSS and abatement oversight during demolition, residential buildings (townhouses) for Ottawa Community Housing Corporation, 818 Gladstone Avenue, Ottawa, Ontario.

Environmental Litigation Support

Project Manager, Field Engineer, Expert Witness

Ottawa, Ontario | 2014-2020

Project Manager, Field Engineer and Expert Witness for a fuel spill, remediation program, groundwater monitoring program and litigation review for redevelopment of a residential property adjacent to a central heating plant at an institutional facility.

Education

BEng Geological Engineering, École Polytechnique de Montreal, Montreal, Quebec, 1990

MSc Geophysics, University of British Columbia, Vancouver, British Columbia, 1983

BSc Geophysics, Honours, University of British Columbia, Vancouver, British Columbia, 1980

Certifications

Registered as PMP with Project Management Institute since 2012, requalified in 2018

Qualified Person (QP) for Environmental Site Assessments with Ontario Ministry of Environment and Conservation and Parks

Professional Affiliations

Licensed as P.Eng. with the Professional Engineers of Ontario (PEO) since 1994

Licensed as Ing. with l'Ordre des ingénieurs du Québec (OIQ), 1992

Licensed as P.Eng. with NAPEG (NWT and Nunavut), since 2009.

Licensed as P.Eng with Engineers Yukon since 2018

Federal Clearance Level

Secret ID # 95251065

DON PLENDERLEITH

Senior Environmental Engineer and Project Manager

PROFESSIONAL SUMMARY

Mr. Plenderleith has been an environmental engineer for 30 years. From 1990 to 2000 he worked at specialty firms in Montreal and Ottawa where he gained field and reporting experience in site assessment and remediation of retail fuel outlets and railway yards. In 1991 and 1992 he worked on a CIDA sponsored project to assess additional water resource potential in two provinces in Indonesia. He worked for Golder for 19 years on projects in Ottawa, the North and overseas.

His expertise covers all steps in contaminated site management: Phase I, II and III environmental site assessments (ESAs), risk assessments, remedial options evaluations, remedial action plans, tender plans and specifications, remediation project oversight, long-term monitoring and project closure. He has largely concentrated on federal sites since 2002 and was Golder's initial point of contact on the Environmental Standing Offer Agreement with PSPC in the National Capital over that time.

Don led Golder's national client service team for Federal government and was responsible to Golder's management for maintaining strong relations with the federal government. Locally, he provided project management and technical direction of a variety of environmental projects from the Ottawa office. Don mentored several junior professionals. His site portfolio included: military bases, Northern sites, navigational sites, correctional facilities, research labs, commercial buildings and Canadian embassies abroad. On several multi-year projects (Kingston Penitentiary and Connaught Ranges landfill) he directed all steps of site management from initial investigations, through to site closure.

Don is equally experienced at providing strategic and portfolio-level assistance to clients as well as site-specific level work. He has written contaminated sites management plans for several federal Departments. He helped to develop components of the FCSAP project manager's tool kit and has trained federal project managers in its use. He has provided program-level assistance to the FCSAP Secretariat for funding demand forecasting and long-term strategy and risk management. For nine years he led a multi-disciplinary team that performed contaminated site liability peer reviews for the Office of the Auditor General of Canada.

Don completed his engineering degree in French and is licensed to practice in Quebec. He frequently coordinates the French language component at bilingual meetings and workshops.

PROJECT EXPERIENCE – STANDING OFFER MANAGER

Public Services and Procurement Canada, National Capital Region, Environmental Engineering Standing Offer (2002-2019).

Don managed Golder's Environmental Standing Offer Agreement (SOA) with PSPC in the National Capital Region from 2002 to 2019. He was the first point of contact with PSPC for new call-ups. He formed project teams from the approved resources and reviewed the work plans under each call-up. He was responsible and accountable for Golder's overall project performance to PSPC.

PROJECT EXPERIENCE – SENIOR PROJECT MANAGER

Phase I, II, and III and Remediation at Pittsburgh Institution and Kingston Penitentiary for PSPC/CSC near Kingston, Ontario

Environmental Site Assessment, Remediation Planning and Implementation for the Pittsburgh Institution and Kingston Penitentiary, Kingston, Ontario from 2007 to 2015 - Don was the Senior Project Manager and project reviewer for the Phase I, II and III of contaminated sites on two similar projects at these federal penitentiaries. Don performed project management and provided technical direction during the full suite of services from site assessment through to remediation. Federal project management tools, and FCSAP technical tools (GOST) were used to assist with procedural compliance. Don assisted PSPC with the tender specification for both remediation projects and performed on-site supervision during the fast-track remediation work at Pittsburgh. Don also performed senior review of the draft and final reports.

Peer Review and Liability Review of US Steel Site in Hamilton Harbour for PSPC and Transport Canada (July-August 2016)

Don was the Senior Project Manager for a Peer Review of reports pertaining to the US Steel site on Hamilton Harbour that the Hamilton Port Authority (HPA) was considering purchasing. TC requested the peer review and liability review in its oversight role over the HPA. Don brought a senior expert in at steel industry at Golder onto the project team. With his input some important gaps in the previous site assessments, management plans and liability estimates were identified to TC.

Contaminated Site Reporting and Review for Department of National Defence Ottawa, Ontario, Canada

Don has managed several projects for DND's Director General Environment, related to the financial reporting of DND's contaminated sites. He managed the EcoNet validation project in 2006, in which the systems and procedures by which site cost and liability information are input to DND's Contaminated Site database, Econet. Several of DND's major projects being run out of headquarters were reviewed in that exercise. In 2008 he assisted DND by producing the 2008 update of their Contaminated Sites Management Plan (CSMP) for Treasury Board submission. Nine divisional CSMPs were reviewed, summarized and incorporated into the departmental CSMP.

PROGRAM LEVEL WORK – FEDERAL CONTAMINATED SITES

Project Management Tools for Contaminated Sites, Ottawa, Ontario, Canada

Mr. Plenderleith developed two of the FCSAP Project Management Tools: Status Reporting and Project Risk Management. He has provided training in the tools to federal project managers country-wide. He has delivered training sessions at RPIC National Contaminated Sites workshops on several occasions on the PM Tools, the Sustainable Development Tool (SDAT), and Guidance Tool for Selection of Technologies Tools (GOST).

Assistance to FCSAP for program-level Risk Management, PWGSC/ECCC Ottawa, Ontario

Don has led a team at Golder that provided assistance to the FCSAP Secretariat from 2013 to 2019 in the areas of cost projections for funding demand estimates. He devised a method of projecting the costs of unassessed sites based on closure costs of similar sites. This tool was used to estimate the funding demand for FCSAP Phase III and past Phase III. Don assisted the Secretariat with Long-Term Strategic planning for FSCAP post 2020 when the 15-year program is due to sunset.

Secondments to Federal Departments

Mr. Plenderleith has been seconded from Golder to the Department of Foreign Affairs and International Trade (now Global Affairs Canada "GAC") on three occasions to develop their Contaminated Sites Management Plans and to fill in while GAC was staffing their full-time environmental engineer position. Through these secondments he has developed a greater understanding of the role of federal custodians in managing their programs.

PROJECT EXPERIENCE – NORTHERN SITES

DEW Line Site Monitoring, Baffin Region, DND (2015-19)

Mr. Plenderleith was the project director of Golder's DEW Line Monitoring contract with DND from four years 2015 to 2019. He was responsible for overall program quality and liaison with the client and management of Inuit subcontractors. The project was multi-disciplinary, involving geotechnical and environmental components. Mr. Plenderleith has developed a very positive working relationship with the hamlet of Qikiqtarjuaq and the Inuit staff from that community, many of whom have returned to work with Golder every year. All Inuit Participation Targets were exceeded.

Tundra Mine Remediation Monitoring PSPC/INAC (2016-2018)

Don was the Senior project director for Golder's Remediation Monitoring of Tundra Mine (NWT) for PSPC and INAC. This project is multi-disciplinary involving surface water and groundwater environmental monitoring and aquatic monitoring for the final stages of the remediation of Tundra Mine. Don has reviewed the monthly and annual monitoring reports produced for the Water Licence. His earlier experience with the RAP for Tundra has been valuable on this project.

Remedial Options Review and Remedial Action Planning Former Water Tanker Base, Inuvik Airport, NWT 2010-12

From 2010 to 2012, Mr. Plenderleith was the technical director for the Phase III ESA detailed site assessment and remediation planning of the former Water Tanker Base at the Inuvik Airport in NWT. The work included determining the contaminants of concern, delineation of contaminated soil and seasonal groundwater areas, and assessing remedial options. The remedial action plan reviewed chemical oxidation and removal & disposal options within the constraints of northern work season, and the distance to a disposal facility. Descriptions, costs, advantages and limitations were provided for several options. GNWT performed the remediation with own forces.