



Phase One Environmental Site Assessment

Nouvelle École Élémentaire Catholique Avalon III
2666 Tenth Line Road, Ottawa, Ontario

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*Conseil des écoles catholiques du Centre-est (CECCE)
Phase One Environmental Site Assessment
2666 Tenth Line Road, Ottawa, Ontario
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December 16, 2022*

Legal Notification

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Table of Contents

Legal Notification.....	i
List of Figures.....	vi
List of Appendices	vii
Executive Summary	viii
1.0 Introduction.....	1
1.1 Objective.....	1
1.2 Phase One Property Information.....	1
2.0 Scope of Investigation	2
3.0 Records Review	3
3.1 Phase One ESA Study Area Determination.....	3
3.2 First Developed Use Determination	3
3.3 Fire Insurance Plans.....	3
3.4 Chain of Title.....	3
3.5 Environmental Reports.....	3
3.6 Environmental Source Information	3
3.6.1 Ontario Ministry of the Environment, Conservation and Parks Records	3
3.6.2 Historical Land Use Inventory.....	4
3.6.3 Environmental Registry	4
3.6.4 Environmental Access.....	4
3.6.5 Hazardous Waste Information Network	4
3.6.6 Records of Site Condition	5
3.6.7 Coal Gasification Plants	5
3.6.8 PCB Storage Sites.....	5
3.6.9 Waste Disposal Sites.....	5
3.6.10 Street Directories	5
3.7 EcoLog ERIS Database Search	5
3.8 Physical Setting Sources	6
3.8.1 Aerial Photographs	6

3.8.2 Topography, Hydrology, Geology 6

3.8.3 Fill Materials 7

3.8.4 Water Bodies and Areas of Natural Significance 7

3.8.5 Well Records 7

3.9 Site Operating Records 7

4.0 Interviews 8

5.0 Site Reconnaissance 9

5.1 General Requirements 9

5.2 Specific Observations at the Phase One Property 9

5.2.1 Buildings and Structures 9

5.2.2 Site Utilities and Services 9

5.3 Storage Tanks 9

5.3.1 Underground Storage Tanks 9

5.3.2 Above Ground Storage Tanks 9

5.4 Chemical Storage Handling and Floor Condition 10

5.5 Areas of Stained Soil, Pavement or Stressed Vegetation 10

5.6 Fill and Debris 10

5.7 Air Emissions 10

5.8 Odours 10

5.9 Noise 10

5.10 Other Observations 10

5.11 Special Attention Items, Hazardous Building Materials and Designated Substances 10

5.11.1 Asbestos 10

5.11.2 Ozone Depleting Substances (ODSs) 11

5.11.3 Lead 11

5.11.4 Mercury 11

5.11.5 Polychlorinated Biphenyls (PCB) 11

5.11.6 Urea Formaldehyde Foam Insulation 12

5.11.7 Radon 12



5.11.8	Mould	12
5.11.9	Other Substances	13
5.12	Processing and Manufacturing Operations	13
5.13	Hazardous Materials Use and Storage.....	13
5.14	Vehicle and Equipment Maintenance Areas	13
5.15	Drains and Sumps	13
5.16	Oil/Water Separators.....	13
5.17	Sewage and Wastewater Disposal.....	13
5.18	Solid Waste Generation, Storage & Disposal.....	13
5.19	Liquid Waste Generation, Storage & Disposal.....	13
5.20	Unidentified Substances	13
5.21	Hydraulic Lift Equipment	13
5.22	Mechanical Equipment.....	13
5.23	Abandoned and Existing Wells	14
5.24	Roads, Parking Facilities and Right of Ways	14
5.25	Adjacent and Surrounding Properties	14
5.26	Enhanced Investigation Property	14
5.27	Summary and Written Description of Investigation.....	14
6.0	Review and Evaluation of Information.....	15
6.1	Current and Past Uses	15
6.2	Potentially Contaminating Activity	15
6.3	Areas of Potential Environmental Concern	15
6.4	Phase One Conceptual Site Model	15
6.4.1	Buildings and Structures.....	15
6.4.2	Water Bodies and Groundwater Flow Direction	16
6.4.3	Areas of Natural Significance.....	16
6.4.4	Water Wells.....	16
6.4.5	Potentially Contaminating Activity.....	16
6.4.6	Areas of Potential Environmental Concern	16

*Conseil des écoles catholiques du Centre-est (CECCE)
Phase One Environmental Site Assessment
2666 Tenth Line Road, Ottawa, Ontario
OTT-22017859-A0
December 16, 2022*

6.4.7 Underground Utilities 17

6.4.8 Subsurface Stratigraphy 17

6.4.9 Uncertainty Analysis 17

7.0 Conclusions 18

8.0 References 19

9.0 Limitation of Liability, Scope of Report, and Third Party Reliance 20

10.0 Signatures 21

List of Figures

- Figure 1 – Site Location Plan
- Figure 2 – Phase One Study Area and PCAs
- Figure 3 – Areas of Potential Environmental Concern

List of Appendices

Appendix A: Qualifications of Assessors

Appendix B: Survey Plan

Appendix C: Figures

Appendix D: Fire Insurance Plans, Title Search, Municipal Records & Provincial Records

Appendix E: EcoLog ERIS Report

Appendix F: Aerial Photographs

Appendix G: Site Photographs

Executive Summary

EXP Services Inc. (EXP) was retained by the Conseil des écoles catholiques du Centre-est (CECCE) to complete a Phase One Environmental Site Assessment (ESA) for the east part of the property located 2666 Tenth Line Road in Ottawa, Ontario hereinafter referred to as the 'Phase One property'. At the time of the investigation, the Phase One property was occupied by a sales office for Mattamy Homes and a vacant residence and garage.

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.

The purpose of this Phase One ESA is to determine if past or present site activities have resulted in actual or potential contamination at the Phase One property. It is understood that the report will be used to support a site plan application for development of a new elementary school.

The most recent use of the property was as a storage yard for recreational vehicles, which is a type of commercial land use. It is proposed that a secondary school be constructed on the vacant property. As the proposed land use is more sensitive than the previous land use, a Record of Site Condition (RSC) will be required.

The Phase One property consists of the east part of the property located at 2666 Tenth Line Road, located approximately 500 m north of the intersection of Wall Road and Tenth Line Road in Ottawa, Ontario. McKinnon Creek crosses 2666 Tenth Line Road approximately 180 m from the Phase One property. The Phase One property consists of the property between Tenth Line Road and McKinnon Creek. The Phase One property is irregular in shape with an area of approximately 2.3 hectares. The Phase One property is part of a larger property with the legal description Part of Lot 5, Concession 11, Being Parts 1, 3, and 4 on Plan 50R-2029, City of Ottawa. And the property identification number (PIN) 145630547.

Based on a review of historical aerial photographs, historical maps, and other records, it appears that the Phase One property was first developed with a farmhouse prior to 1965. It appears that the Phase One property may have been used as a contractor's yard in the 1990s, based on observations of fill piles and heavy equipment present on the site. Between 2009 and 2020, the property was used for recreational vehicle storage. In 2021, Mattamy Homes constructed a temporary building occupied by a sales office on the Phase One property. The inferred groundwater flow direction in the Phase One study area is to the southeast towards Bear Brook Creek. Based on the local topography, the inferred groundwater flow on and adjacent to the Phase One property is to the southwest towards McKinnon Creek.

The following potentially contaminating activities (PCAs) were identified on the Phase One property:

- PCA #28 – Gasoline and associated products storage in fixed tanks (fuel AST north of the garage, heating oil AST in the basement of the residence)
- PCA #30 – Importation of fill material of unknown quality (entire Phase One property)

The following PCAs were identified in the Phase One study area:

- PCA #49 – Salvage yards, including auto wrecking (former salvage yard 40 m southeast of the Phase One property)

All of the PCAs identified in the Phase One study area were determined to result in areas of potential environmental concern (APECs).

The following APECs were identified:

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
#1. Fuel AST	Area northeast of the garage	PCA #28 – Gasoline and associated products storage in fixed tanks	On-Site	Benzene, toluene, ethylbenzene, xylene (BTEX), petroleum hydrocarbons (PHC)	Soil and groundwater
#2. Heating oil AST	Area near the southwest corner of the vacant residence	PCA #28 – Gasoline and associated products storage in fixed tanks	On-Site	BTEX, PHC	Soil and groundwater
#3. Fill material of unknown quality	Entire Phase One property	PCA #30 – Importation of fill material of unknown quality	On-site	PHC, polycyclic aromatic hydrocarbons (PAH), volatile organic compounds (VOC), metals	Soil
#4. Former salvage yard at 2727 Tenth Line Road	Area along the southeast property line	PCA #49 – Salvage yards, including auto wrecking	Off-site	PHC, PAH, VOC, metals	Groundwater

The Qualified Person who oversaw this work, Mark McCalla, P.Geo., recommends that a Phase Two ESA be conducted to address the APECs were identified.

The Qualified Person can confirm that the Phase One Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.

1.0 Introduction

EXP Services Inc. (EXP) was retained by the Conseil des écoles catholiques du Centre-est (CECCE) to complete a Phase One Environmental Site Assessment (ESA) for the east part of the property located 2666 Tenth Line Road in Ottawa, Ontario hereinafter referred to as the 'Phase One property'. At the time of the investigation, the Phase One property was occupied by a sales office for Mattamy Homes and a vacant residence and garage.

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 9 of this report.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property, however, a detailed review of regulatory compliance issues was beyond the scope of our investigation. This Phase One ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions or identify geologic hazards.

1.1 Objective

The purpose of this Phase One ESA is to determine if past or present site activities have resulted in actual or potential contamination at the Phase One property. It is understood that the report will be used to support a site plan application for development of a new elementary school.

The most recent use of the property was as a storage yard for recreational vehicles, which is a type of commercial land use. It is proposed that a secondary school be constructed on the vacant property. As the proposed land use is more sensitive than the previous land use, a Record of Site Condition (RSC) will be required.

EXP personnel who conducted assessment work for this project included Leah Wells, P.Eng. and Mark McCalla, P.Geo. An outline of their qualifications is provided in Appendix A.

1.2 Phase One Property Information

The Phase One property consists of the east part of the property located at 2666 Tenth Line Road, located approximately 500 m north of the intersection of Wall Road and Tenth Line Road in Ottawa, Ontario. McKinnon Creek crosses 2666 Tenth Line Road approximately 180 m from the Phase One property. The Phase One property consists of the property between Tenth Line Road and McKinnon Creek. The Phase One property is irregular in shape with an area of approximately 2.3 hectares. A survey plan is provided in Appendix B.

The Phase One property is part of a larger property with the legal description Part of Lot 5, Concession 11, Being Parts 1, 3, and 4 on Plan 50R-2029, City of Ottawa. And the property identification number (PIN) 145630547.

The Phase One property was occupied by a sales office and parking lot for Mattamy Homes. A vacant residence and associated garage were present on the south side of the property. The remainder of the Phase One property was vacant.

The approximate Universal Transverse Mercator (UTM) coordinates for the Phase One property are Zone 18, 462735 m E and 5031890 m N. The UTM coordinates are based on measurements from Google Earth Pro, published by the Google Limited Liability Company (LLC). The accuracy of the centroid is estimated to be less than 10 m.

Authorization to proceed with this investigation was provided by Mr. Denis Chabot on behalf of the Conseil des écoles catholiques du Centre-est (CECCE). Contact information for Mr. Chabot is 4000, rue Labelle, Ottawa, Ontario, K1J 1A1.

The Phase One property site location and site layout are shown on Figure 1 and 2 in Appendix C.



2.0 Scope of Investigation

The scope of work for the Phase One ESA consisted of the following activities:

- Reviewing the historical occupancy of the Phase One property through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Reviewing municipal and provincial records to determine whether activities that have occurred within the Phase One study area pose a potential environmental concern to the Phase One property;
- Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the Phase One property and surrounding properties within a 250-metre radius of the Phase One property;
- Reviewing available geological maps, well records and utility maps for the vicinity of the Phase One property;
- Obtaining a search of land title and assessment rolls for the Phase One property;
- Conducting at least one reconnaissance of the Phase One property and surrounding properties within a 250-metre radius of the Phase One property in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated representative(s) as a resource for current and historical information;
- Reviewing the current use of the Phase One property and any land use practices that may have impacted its environmental condition;
- Reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the Phase One property; and,
- Preparing a report to document the findings.

In completing the scope of work, EXP did not conduct any intrusive investigations, including sampling, analyses, or monitoring. EXP has confirmed neither the completeness nor the accuracy of any of the records that were obtained or of any of the statements made by others.

3.0 Records Review

3.1 Phase One ESA Study Area Determination

The Phase One study area comprises the Phase One property and surrounding properties wholly or partly within 250 metres of the property boundaries. The 250-metre radius was used to gain an understanding of the current and past uses of surrounding properties to determine whether such uses may have contributed to subsurface environmental impacts at the Phase One property.

According to the City of Ottawa GeoOttawa on-line mapping tool, the Phase One property is zoned for RU – Rural Countryside. Properties to the north of the site are mostly zoned for residential use. The McKinnon Creek floodplain north of the site is zoned O1 – Parks and Open Space. The remainder of the properties in the Phase One study area are primarily zoned RU. Several parcels are zoned AG – Agricultural zone.

The Phase One study area is shown on Figure 2 in Appendix C.

3.2 First Developed Use Determination

Based on a review of historical aerial photographs, historical maps, and other records, it appears that the Phase One property was first developed with a farmhouse prior to 1965. It appears that the Phase One property may have been used as a contractor's yard in the 1990s, based on observations of fill piles and heavy equipment present on the site. Between 2009 and 2020, the property was used for recreational vehicle storage. In 2021, Mattamy Homes constructed a temporary building occupied by a sales office on the Phase One property.

3.3 Fire Insurance Plans

No fire insurance plans are available for the Phase One study area.

3.4 Chain of Title

A chain of title was requested from Read Abstracts Limited for the Phase One property. To date the chain of title information has not been received.

3.5 Environmental Reports

No relevant environmental or geotechnical reports pertaining to the Phase One property were available for review.

3.6 Environmental Source Information

Information pertaining to the Phase One property was obtained by reviewing documents that are available to the public through municipal and provincial sources. EXP did not identify the need to contact any federal agencies.

Written responses from regulatory agencies and copies of documents obtained via searches are provided in Appendix D.

3.6.1 Ontario Ministry of the Environment, Conservation and Parks Records

Records pertaining to the site were requested from the Ministry of the Environment, Conservation and Parks (MECP) through the *Freedom of Information and Protection of Privacy Act* (FOI).

The records pertaining to the Phase One property were identified. The MECP response is included in Appendix D.

3.6.2 Historical Land Use Inventory

Records pertaining to the site were requested from the City of Ottawa for the Historical Land Use Inventory (HLUI) through the *Municipal Freedom of Information and Protection of Privacy Act* (FOI).

The Phase One property was historically occupied by a contractor's yard (listed as Herald Robert Cartage). A salvage yard was present at 2727 Tenth Line Road (PCA #49 – Salvage yard, including automobile wrecking) between the 1970s and mid-2000s (PCA#4).

The HLUI response is included in Appendix D.

3.6.3 Environmental Registry

On November 29, 2022, the MECP Environmental Registry website was searched for postings in the vicinity of the Phase One property. The following records identified for properties within the Phase One study area:

- A permit to take water (PTTW) was issued in 2021 for building foundation and servicing excavations associated with residential construction in the north part of the Phase One study area.

All of the records are associated with residential development in the Phase One study area and do not represent an environmental concern to the Phase One property.

3.6.4 Environmental Access

On November 29, 2022, the MECP Environmental Access website was searched for postings within the Phase One study area. The following records were found:

- Multiple PTTWs were issued in the Phase On study area associated with servicing and foundation excavation for residential subdivisions.
- Several Environmental Compliance Approvals (ECAs) were issued in 2022 for the construction of sanitary and storm infrastructure associated with new construction in the adjacent residential subdivisions.

All of the records are associated with residential development in the Phase One study area and do not represent an environmental concern to the Phase One property.

3.6.5 Hazardous Waste Information Network

On November 28, 2022, the MECP Hazardous Waste Information Network (HWIN) website was searched for registered waste generators within the Phase One study area. The following records were found:

Location (Generator)	Proximity to the Site	Wastes Generated	Years	Environmental Concern to Site and Rationale
Minto Communities Inc. 2605 Tenth Line Road (ON7672135)	50 m northeast	Oil skimmings and sludges	2022 to present	No, significant quantities of waste are unlikely to be generated by construction activities.

The waste generator is inferred to be associated with the construction of new subdivisions in the Phase One study area. It is not anticipated that significant quantities of wastes are being generated.

3.6.6 Records of Site Condition

On November 28, 2022, the MECP Brownfields Registry website was searched for postings of Records of Site Condition (RSC) within the Phase One study area. No records were found.

3.6.7 Coal Gasification Plants

Documents entitled *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario* prepared by the MECP and *Inventory of Coal Gasification Plant Waste Sites in Ontario* prepared by Intera Technologies Ltd. were reviewed. There were no coal gasification plants identified within the Phase One study area.

3.6.8 PCB Storage Sites

Documents entitled *National Inventory of PCBs in Use and PCB Wastes in Storage in Canada, 2003 Annual Report* prepared by Environment Canada and *Ontario Inventory of PCB Storage Sites* prepared by the MECP were reviewed. No records pertaining to PCB storage sites were identified within the Phase One study area.

3.6.9 Waste Disposal Sites

Documents entitled *Old Landfill Management Strategy, Phase 1, Identification of Sites, City of Ottawa, Ontario* prepared by Golder Associates Ltd. and *Waste Disposal Site Inventory* prepared by the MECP were reviewed. No former landfills or waste disposal sites were identified within the Phase One study area.

3.6.10 Street Directories

No city directories are available for the Phase One study area.

3.7 EcoLog ERIS Database Search

A search of provincial and federal databases for records pertaining to the Phase One property and properties within the Phase One study area was conducted by EcoLog ERIS. EXP has confirmed neither the completeness nor the accuracy of the records that were provided. A summary of the more significant findings is provided below. A copy of the EcoLog ERIS report is provided in Appendix E.

The following entry from the EcoLog ERIS report was reviewed and summarized below:

- The property at 2727 Tenth Line Road was listed in the Automobile Wrecking and Surplus database. The property appears to have operated as a salvage yard (PCA #49 – Salvage yard, including automobile wrecking) until the mid-2000s (PCA#4).
- An ECA was listed for the development of storm and sanitary sewers associated with the new residential subdivision north of the Phase One property.
- Minto was listed as a waste generator of waste oils and lubricants in October 2022 (generator number ON7672135). The waste generator address is given as 2605 Tenth Line Road, which located northeast of the Phase One property, where a residential subdivision is under construction.
- The Water Well Information System identified four well records in the Phase One study area. Three of the records were for domestic water supply wells. The remaining record was for a monitoring well abandonment.

The former salvage yard is located approximately 40 m southeast of the Phase One property is a PCA (PCA #49). Based on a review of the Ecolog, no other PCAs were identified in the Phase One study area.

3.8 Physical Setting Sources

3.8.1 Aerial Photographs

Aerial photographs dated 1965, 1976, 1991, 1999, 2005, 2009, 2017 and 2021 were available for review on the City of Ottawa website. Aerial photographs dated prior to 1965 were not available for review. The following table summarizes the development and land use history of the Phase One property and adjacent properties as depicted on the reviewed aerial photographs. Copies of the aerial photographs are provided in Appendix F.

Year	Details
1965	A farmhouse is present on the Phase One property. The remainder of the Phase One property, and the majority of the properties in the Phase One study area consists of agricultural land. Tenth Line Road is present to the east of the site. The east side of the Phase One study area is not shown in the aerial photograph.
1976	The Phase One property appears similar to the 1965 aerial photograph. A salvage yard is visible at 2715 Tenth Line Road. The remainder of the properties in the Phase One study area consist of agricultural land.
1991	The farmhouse on the Phase One property has been demolished, and the existing residence and garage building have been constructed on the east part of the site. The Phase One property appears to be occupied by a contractor's yard. Several trucks and some heavy machinery are present on the Phase One property. The groundcover at the site has been disturbed and piles of fill material are visible on the site. Other than the salvage yard, the majority of the properties in the Phase One study area are undeveloped.
1999	Operations on the Phase One property no longer appear to be active, although multiple fill piles are still present on the site. The Phase One study area appears similar to the 1991 aerial photograph.
2005	The Phase One property appears similar to the 1999 aerial photograph. The salvage yard to the southeast of the Phase One property no longer appears to be operational, no vehicles are present on the property. The properties to the northeast of the site appear to be under development.
2009	A fenced area with a gravel pad has been added to the Phase One property. The area appears to be in use for vehicle storage, as multiple recreational vehicles are present on the site. The Phase One study area appears similar to the 2005 aerial photograph.
2017	Construction has begun of the residential subdivision to the north of the site. The Phase One property and the remainder of the study area appear similar to the 2009 aerial photograph.
2021	A temporary building occupied by Mattamy Homes sale office has been constructed on the north side of the Phase One property. The Phase One property appears to be used for a parking lot and temporary storage yard associated with the residential construction to the north. The residences directly north of the site have been completed. The remainder of the Phase One study area appears similar to the 2017 aerial photograph.

Based on the review of the aerial photographs, the former salvage yard at 2715 Tenth Line Road has been identified as a PCA.

3.8.2 Topography, Hydrology, Geology

Bedrock and surficial geology were reviewed via the Google Earth applications published by the Ontario Ministry of Energy, Northern Development and Mines. The bedrock geology application is available via www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearch/bedrock-geology and was last modified on March 19, 2018. The surficial geology application is available via www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearch/surficial-geology and was last modified on May 23, 2017.

Based on these applications, bedrock in the general area of the Phase One property consists of limestone with shaley partings of the Ottawa Formation. Native surficial soil consists of Champlain Sea clay to fine textured glaciomarine deposits. The ground surface is approximately 87 metres above sea level (masl).

Water well records indicate that the surficial geology in the area generally consists of clay overlying sand and gravel. Limestone bedrock was present approximately 45 metres below ground surface.

3.8.3 Fill Materials

Based on aerial photographs, in the 1990s there appears to have been multiple stockpiles of material present on the Phase One property. It is unknown if this material was sourced from the Phase One property or imported to site. The unknown quality of the fill material is a PCA (PCA #30 – Importation of fill material of unknown quality).

3.8.4 Water Bodies and Areas of Natural Significance

McKinnon's Creek borders the Phase One property to the west. McKinnon's Creek flows to the southeast towards Bear Brook Creek. The inferred groundwater flow direction in the Phase One study area is to the southeast towards Bear Brook Creek. Based on the local topography, the inferred groundwater flow on and adjacent to the Phase One property is to the southwest towards McKinnon Creek.

There are no Area of Natural Significance (ANSI) within the Phase One study area, according to the Ministry of Natural Resources and Forestry Natural Heritage website (www.gisapplication.lrc.gov.on.ca/mamnh/Index.html).

3.8.5 Well Records

The Ontario well records website (<https://www.ontario.ca/page/map-well-records>) was accessed. Four well records were identified within the Phase One study area. Three of the records were for domestic water supply wells. The remaining record was for a monitoring well abandonment. New development in the area is supplied with municipal water, however, it is likely that some of the older houses in the Phase One study area are still supplied by wells.

Well records indicate that the surficial geology in the area generally consists of clay overlying sand and gravel. Limestone bedrock was present approximately 45 metres below ground surface.

There are no oil, gas, or salt wells within the Phase One study area, according to the Oil, Gas & Salt Resources Library (maps.ogsrlibrary.com/wells/).

3.9 Site Operating Records

No site operating records were available for review.

4.0 Interviews

Interviews were conducted by EXP with the individuals identified to be the most knowledgeable about both the current and historical Phase One property uses. The purpose of interviews is to obtain information to assist in identifying areas of potential environmental concern and identify details of potentially contaminating activities or potential contaminant pathways, in, on or below the Phase One property.

Mr. Nicolas Bergeret, owner of Bergeret Exteriors was interviewed during the site visit on December 1, 2022. Bergeret Exteriors has leased part of the property from Claridge Homes for approximately one year.

Mr. Bergeret indicated that he is unaware of any leaks or spills associated with the fuel AST, which was installed in the summer of 2022. Chemicals storage on the property is limited to materials associated with window and door installations, such as caulking and paint.

Responses to other questions were made during site reconnaissance and are discussed in section 5.0.

5.0 Site Reconnaissance

5.1 General Requirements

On December 1, 2022, Ms. Leah Wells, of EXP conducted the site visit. The site visit was conducted in accordance with EXP's internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the site visit was to assess the current conditions of the Phase One property.

The general environmental management and housekeeping practices at the Phase One property were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of EXP's investigation.

Observations of the subject property and surrounding properties were made. The site reconnaissance began at approximately 12:00 p.m. and lasted approximately 1 hour. The weather was approximately 1°C and overcast. Adjacent properties were observed from within the grounds of the Phase One property, as well as publicly accessible areas. Photographs documenting the site visit are included in Appendix G.

5.2 Specific Observations at the Phase One Property

5.2.1 Buildings and Structures

A single-storey residence with a full basement was present on the south side of the site. The residence was vacant and the basement contained approximately 1 metre of standing water.

A garage building was located on the north side of the residence. The garage was used as a storage area and workshop for Bergeret Exteriors.

A temporary building, on concrete block foundations was present on the north side of the site. The building was occupied by the Mattamy Homes sales offices.

Gravel parking lots were associated with the garage and the sales offices. Groundcover on the west part of the Phase One property consisted of tall grass.

5.2.2 Site Utilities and Services

The residence on the Phase One property was privately serviced with a well and septic. Surrounding properties are connected to municipal services.

5.3 Storage Tanks

5.3.1 Underground Storage Tanks

No underground storage tanks (USTs) were observed on the Phase One property and there was no evidence of historical UST.

5.3.2 Above Ground Storage Tanks

A temporary fuel AST associated with Bergeret Exteriors was present north of the garage. The tank was installed in the summer of 2022 (PCA#1).

The basement of the residence was not accessed due to flooding; however vent/fill pipes were observed at the southwest corner of the building. It is assumed that a heating oil AST was still present in the basement (PCA#2).

5.4 Chemical Storage Handling and Floor Condition

Chemical storage was limited to household cleaners and products associated with operations conducted by Bergeret Exteriors, such as caulking and paint.

All chemicals observed on the site were stored in small quantities and in their original retail packaging or approved containers. As such, the potential environmental concern to the subsurface environmental conditions of the Site from the use of chemicals is considered to be low.

5.5 Areas of Stained Soil, Pavement or Stressed Vegetation

No areas of significant staining of soil were observed on the Phase One property at the time of EXP's site visit.

5.6 Fill and Debris

Gravel parking lots were present on east part the Phase One property, a several piles of granular material were present to the north of the residence. Small fill piles were present at the northwest corner of the property along Sweet Valley Drive. Fill piles are assumed to be associated with residential construction activities to the north of the Phase One property.

5.7 Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MECP. According to the Environmental Protection Act (EPA), an ECA (Air) is required for the ongoing operation of any equipment that may discharge a contaminant into the natural environment if the equipment was installed, modified or altered after June 29, 1988.

The Phase One property is undeveloped. No air emissions were identified at the time of the site visit.

5.8 Odours

No strong odours were present during the site visit.

5.9 Noise

No excessive noise was heard during the site visit.

5.10 Other Observations

There were no pits and lagoons, no railways or spurs and no unidentified substances observed on the Phase One property.

5.11 Special Attention Items, Hazardous Building Materials and Designated Substances

5.11.1 Asbestos

Asbestos-containing materials (ACM) are fibrous hydrated silicates and can be found in building materials as either "unbound" or "bound" asbestos. Friable asbestos refers to materials where the asbestos fibres can be separated from the material with which it is associated. Non-Friable asbestos refers to asbestos that is associated with a binding agent (such as tar or cement). Friable asbestos is commonly found in boiler and pipe insulation. Non-Friable asbestos is typically found in roofing tars, floor and ceiling tiles, and asbestos-containing cement.

ACM in the workplace are defined as a Designated Substance under the Ontario Occupational Health and Safety Act (OHSA). Under OHSA, persons in the workplace are required to be notified of the presence of ACMs once they are suspected to be present, and if there is a potential for workers to be exposed. The use of ACM was discontinued in Canada in the late 1970s/early 1980s, although non-friable asbestos can still be found in recently constructed buildings.

Based on the age of the residence (between 1976 and 1991), it is possible that ACMs are present.

5.11.2 Ozone Depleting Substances (ODSs)

Chlorofluorocarbons (CFC), often referred to as freons, ceased production in Canada in 1993 as a result of their ozone-depleting characteristics. Under the Montreal Protocol, importation of CFCs into Canada ceased in 1997 and all developed countries agreed to a total ban on their use by 2030.

Cooling equipment was limited to A/C units and residential refrigerators. Under the management of a licensed contractor, the subject systems do not represent a significant concern to human health or the environment. However, if present, CFCs will require replacement by 2030.

Maintenance of refrigerant containing equipment should be completed by a licensed refrigeration contractor. The equipment should only be repaired, removed, or serviced by an appropriately licensed contractor.

5.11.3 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate and plumbing. The use of lead-based paints (LBPs) was phased out *circa* 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain higher levels of lead. The main concern regarding lead paint is its potential to become lead dust or chips either through deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

Based on the age of the residence and the garage (between 1976 and 1991), it is unlikely that LBPs are present.

5.11.4 Mercury

Mercury could be found in some batteries, light bulbs, old paints, thermostats, old mirrors, etc. Based on an investigation by Consumer and Corporate Affairs Canada, and an assessment of potential health risks by Health and Welfare Canada, in 1991 the decision was made to eliminate the use of mercury compounds in indoor latex paints. The Canadian Paint and Coatings Association (CPCA) supported the withdrawal and all Canadian manufacturers and formulators of the preservative voluntarily agreed to remove "interior uses" from their product labels.

Mercury-containing equipment was not observed during the Site visit. Based on the age of the residence and garage (between 1976 and 1991) it is possible that mercury containing equipment is present. Painted surfaces in the residence were observed to be in poor condition.

5.11.5 Polychlorinated Biphenyls (PCB)

The manufacture of PCB in North America was prohibited under the Toxic Substances Control Act (1977). Their use as a constituent of new products manufactured in or imported into Canada was prohibited by regulations in 1977 and 1980. As such, sites developed or significantly renovated after 1980 are unlikely to have PCB-containing equipment on the Phase I property. Potential equipment, which could contain PCB include fluorescent mercury and sodium vapour light ballasts, oil filled capacitors and transformers. Any electrical equipment containing PCB must be disposed of in accordance with Ontario Regulation 362 when it is removed from service. Ongoing operation of equipment containing PCB is permissible.

Based on the age of the residence and garage (Between 1976 and 1991) it is unlikely that PCB containing equipment is present.

5.11.6 Urea Formaldehyde Foam Insulation

Formaldehyde is a pungent, colourless gas commonly used in water solution as a preservative and disinfectant. It is also a basis for major plastics, including durable adhesives. It occurs naturally in the human body and in the outdoor environment. Formaldehyde is used to bond plywood, particleboard, carpets, and fabrics, and it contributes to "that new house smell."

Formaldehyde is also a by-product of combustion; it is found in tobacco smoke, vehicle exhaust and the fumes from furnaces, fireplaces and wood stoves. While small amounts of formaldehyde are harmless, it is an irritating and toxic gas in significant concentrations. Symptoms of overexposure to formaldehyde include irritation to eyes, nose, and throat; persistent cough and respiratory distress; skin irritation; nausea; headache; and dizziness.

Urea-formaldehyde foam insulation (UFFI) was developed in Europe in the 1950s as an improved means of insulating difficult-to-reach cavities in the walls. It is typically made at a construction site from a mixture of urea-formaldehyde resin, a foaming agent and compressed air. When the mixture is injected into the wall, urea and formaldehyde unite and "cure" into an insulating foam plastic.

During the 1970s, when concerns about energy efficiency led to efforts to improve building insulation in Canada, UFFI became an important insulation product for existing buildings. The further use of UFFI was banned in Canada in 1980.

No evidence of UFFI was observed during the site visit.

5.11.7 Radon

Radon is a colourless, odourless, radioactive gas that occurs naturally in the environment. It comes from the natural breakdown of uranium in soils and rocks. Exposure to high levels of radon increases the risk of developing lung cancer. This relationship has prompted concern that radon levels in some Canadian buildings may pose a health risk. Radon gas can move through small spaces in the soil and rock and seep into a building through cracks in concrete, sumps, joints, and basement drains. Concrete-block walls are particularly porous to radon and radon trapped in water from wells can be released into the air when the water is used.

A radon gas assessment was beyond the scope of this Phase I ESA, and as such, radon gas was not assessed.

5.11.8 Mould

Mould is found in the natural environment and is required for the breakdown of plant debris such as leaves and wood. Mould spores are found in the air in both the indoor and outdoor environments. In order for mould to grow, a food source (i.e. gypsum wallboard, wallpaper, wood, etc.) and moist conditions are required. Mould can have an impact on human health depending on the species and concentration of the airborne mould spores. Health effects can include allergies and mucous membrane irritation.

Currently there are no regulations governing mould; however, there are several guidelines addressing mould assessments and abatement. At the moment, the industry standards include the Canadian Construction Association (CCA) document 82-2004 titled "mould guidelines for the Canadian construction industry" and the Environmental Abatement Council of Ontario (EACO) guidelines titled "EACO Mould Abatement Guidelines, Edition 3 (2015)."

It is important to note that the Ministry of Labour (MOL) has governed protecting workers under the Occupational Health and Safety Act, which states that employers are required to take every precaution reasonable to protect their workers. This includes protecting workers from mould within workplace buildings.

The vacant residence was open to the elements, and approximately 3 feet of water was present in the basement. Significant water damage and mould was observed.

5.11.9 Other Substances

No other special attention substances (such as acrylonitrile or isocyanates) were suspected to be present at the Site at the time of site reconnaissance.

5.12 Processing and Manufacturing Operations

No processing or manufacturing operations were observed at the Phase One property.

5.13 Hazardous Materials Use and Storage

No hazardous materials are used or stored at the Phase One property.

5.14 Vehicle and Equipment Maintenance Areas

No vehicle and equipment maintenance activities were observed or reported.

5.15 Drains and Sumps

The basement of the residence could not be accessed as approximately 1 m of water was present in the basement.

5.16 Oil/Water Separators

No oil-water separators were observed at the Phase One property.

5.17 Sewage and Wastewater Disposal

No sewage or wastewater was being generated on the Phase One property at the time of the site visit. A septic system was formerly located on the Phase One property, the location of which is unknown.

5.18 Solid Waste Generation, Storage & Disposal

Solid wastes are limited to household wastes.

5.19 Liquid Waste Generation, Storage & Disposal

Small quantities of waste oil associated with equipment owned by Bergeret Exteriors is generated at the site.

5.20 Unidentified Substances

No unidentified substances were observed on the Site at the time of the site visit. No dumping or any other deleterious materials were identified.

5.21 Hydraulic Lift Equipment

No hydraulic equipment of concern was observed at the Phase One property.

5.22 Mechanical Equipment

No mechanical equipment of concern was present on the Phase One property.

5.23 Abandoned and Existing Wells

A shallow dug well was present on the west side of the garage. The residence was serviced with a septic system, the exact location of which was unknown.

5.24 Roads, Parking Facilities and Right of Ways

Vehicular access to the Phase One property is provided by from Tenth Line Road or Sweetvalley Drive.

5.25 Adjacent and Surrounding Properties

A visual inspection of the adjacent properties and properties within 250 m of the Phase One property was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the Phase One property. Refer to Figure 2 in Appendix C for the adjacent land uses.

The following land uses border the Phase One property:

- North: Residential;
- West: McKinnon's Creek followed by undeveloped land;
- East: Tenth Line Road, residential and undeveloped land, former salvage yard; and
- South: Residential and undeveloped land.

5.26 Enhanced Investigation Property

Ontario Regulation 153/04 defines an enhanced investigation property as a "property that is used, or has ever been used, in whole or in part for an industrial use or any of the following commercial uses: a garage; a bulk liquid dispensing facility, including a gasoline outlet; or, for the operation of dry-cleaning equipment."

Therefore, in accordance with Regulation 153/04, the property is not considered to be an enhanced investigation property.

5.27 Summary and Written Description of Investigation

Based on the site visit, the following PCAs were identified:

- PCA #28 – Gasoline and associated products storage in fixed tanks (fuel AST north of the garage, heating oil AST in the basement of the residence)
- PCA #30 – Importation of fill material of unknown quality (entire Phase One property)

6.0 Review and Evaluation of Information

6.1 Current and Past Uses

Based on a review of historical aerial photographs, historical maps, and other records, it appears that the Phase One property was first developed with a farmhouse prior to 1965. It appears that the Phase One property may have been used as a contractor's yard in the 1990s, based on observations of fill piles and heavy equipment present on the site. Between 2009 and 2020, the property was used for recreational vehicle storage. In 2021, Mattamy Homes constructed a temporary building occupied by a sales office on the Phase One property.

6.2 Potentially Contaminating Activity

Ontario Regulation (O. Reg.) 153/04 defines a Potential Contaminating Activity (PCA) as one of fifty-nine (59) industrial operations set out in Table 2 of Schedule D that occurs or has occurred in the Phase One study area.

The following PCAs were identified on the Phase One property:

- PCA #28 – Gasoline and associated products storage in fixed tanks (fuel AST north of the garage, heating oil AST in the basement of the residence)
- PCA #30 – Importation of fill material of unknown quality (entire Phase One property)

The following PCAs were identified in the Phase One study area:

- PCA #49 – Salvage yards, including auto wrecking (former salvage yard 40 m southeast of the Phase One property)

All of the PCAs identified in the Phase One study area were determined to result in APECS.

6.3 Areas of Potential Environmental Concern

Ontario Regulation 153/04 defines an APEC as an area on a property where one or more contaminants are potentially present. Based on this Phase One ESA, the following APECS were identified:

- APEC #1 – Area northeast of the garage
- APEC #2 – Area near the southwest corner of the vacant residence
- APEC #3 – Entire Phase One property
- APEC #4 – Area along the southeast property line

6.4 Phase One Conceptual Site Model

To develop a conceptual model for the Phase One property, the following physical characteristics and pathways were considered. A conceptual site model (CSM) showing the topography of the site, inferred groundwater flow, general site features, APEC, and PCA is shown in Figure 2.

6.4.1 Buildings and Structures

A single-storey residence with a full basement was present on the south side of the site. The residence was vacant, and the basement contained approximately 1 m of standing water.

A garage building that was located on the north side of the residence. The garage was used as a storage area and workshop for Bergeret Exteriors.

A temporary building, on concrete block foundations was present on the north side of the site. The building was occupied by the Mattamy Homes sales offices.

6.4.2 Water Bodies and Groundwater Flow Direction

McKinnon's Creek borders the Phase One property to the west. McKinnon's Creek flows to the southeast towards Bear Brook Creek. The inferred groundwater flow direction in the Phase One study area is to the southeast towards Bear Brook Creek. Based on the local topography, the inferred groundwater flow on and adjacent to the Phase One property is to the southwest towards McKinnon Creek.

6.4.3 Areas of Natural Significance

There are no ANSI within the Phase One study area.

6.4.4 Water Wells

A shallow dug well was present on the west side of the garage. The residence was serviced with a septic system, the exact location of which was unknown.

New development in the Phase One study areas is serviced by municipal water. Older residences along Tenth Line Road are likely still supplied via private water wells.

6.4.5 Potentially Contaminating Activity

The following PCAs were identified on the Phase One property:

- PCA #28 – Gasoline and associated products storage in fixed tanks (fuel AST north of the garage, heating oil AST in the basement of the residence)
- PCA #30 – Importation of fill material of unknown quality (entire Phase One property)

The following PCAs were identified in the Phase One study area:

- PCA #49 – Salvage yards, including auto wrecking (former salvage yard 40 m southeast of the Phase One property)

All of the PCAs identified in the Phase One study area were determined to result in APECS.

6.4.6 Areas of Potential Environmental Concern

Ontario Regulation 153/04 defines an APEC as an area on a property where one or more contaminants are potentially present. The following APECs were identified:

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
#1. Fuel AST	Area northeast of the garage	PCA #28 – Gasoline and associated products storage in fixed tanks	On-Site	Benzene, toluene, ethylbenzene, xylene (BTEX), petroleum hydrocarbons (PHC)	Soil and groundwater
#2. Heating oil AST	Area near the southwest corner of the vacant residence	PCA #28 – Gasoline and associated products storage in fixed tanks	On-Site	BTEX, PHC	Soil and groundwater

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
#3. Fill material of unknown quality	Entire Phase One property	PCA #30 – Importation of fill material of unknown quality	On-site	PHC, polycyclic aromatic hydrocarbons (PAH), volatile organic compounds (VOC), metals	Soil
#4. Former salvage yard at 2727 Tenth Line Road	Area along the southeast property line	PCA #49 – Salvage yards, including auto wrecking	Off-site	PHC, PAH, VOC, metals	Groundwater

6.4.7 Underground Utilities

The vacant residence on the Phase One property is serviced by a well and septic. New developments in the Phase One study area are serviced by municipal water and sewer, and underground hydro.

6.4.8 Subsurface Stratigraphy

Bedrock in the general area of the Phase One property consists of limestone with shaley partings of the Ottawa Formation. Native surficial soil consists of Champlain Sea clay to fine textured glaciomarine deposits. Ground surface is approximately 87 metres above sea level (masl).

Well records indicate that the surficial geology in the area generally consists of clay overlying sand and gravel. Limestone bedrock was present approximately 45 metres below ground surface,

6.4.9 Uncertainty Analysis

The CSM is a simplification of reality, which aims to provide a description and assessment of any areas where potentially contaminating activity that occurred within the Phase One study area may have adversely affected the Phase One property. All information collected during this investigation, including records, interviews, and site reconnaissance, has contributed to the formulation of the CSM.

Information was assessed for consistency, however EXP has confirmed neither the completeness nor the accuracy of any of the records that were obtained or of any of the statements made by others. All reasonable inquiries to obtain accessible information were made, as required by Schedule D, Table 1, Mandatory Requirements for Phase One Environmental Site Assessment Reports. The CSM reflects our best interpretation of the information that was available during this investigation.

7.0 Conclusions

The following potentially contaminating activities (PCAs) were identified on the Phase One property:

- PCA #28 – Gasoline and associated products storage in fixed tanks (fuel AST north of the garage, heating oil AST in the basement of the residence)
- PCA #30 – Importation of fill material of unknown quality (entire Phase One property)

The following PCAs were identified in the Phase One study area:

- PCA #49 – Salvage yards, including auto wrecking (former salvage yard 40 m southeast of the Phase One property)

All of the PCAs identified in the Phase One study area were determined to result in areas of potential environmental concern (APECs).

The following APECs were identified:

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
#1. Fuel AST	Area northeast of the garage	PCA #28 – Gasoline and associated products storage in fixed tanks	On-Site	Benzene, toluene, ethylbenzene, xylene (BTEX), petroleum hydrocarbons (PHC)	Soil and groundwater
#2. Heating oil AST	Area near the southwest corner of the vacant residence	PCA #28 – Gasoline and associated products storage in fixed tanks	On-Site	BTEX, PHC	Soil and groundwater
#3. Fill material of unknown quality	Entire Phase One property	PCA #30 – Importation of fill material of unknown quality	On-site	PHC, polycyclic aromatic hydrocarbons (PAH), volatile organic compounds (VOC), metals	Soil
#4. Former salvage yard at 2727 Tenth Line Road	Area along the southeast property line	PCA #49 – Salvage yards, including auto wrecking	Off-site	PHC, PAH, VOC, metals	Groundwater

The Qualified Person who oversaw this work, Mark McCalla, P.Geo., recommends that a Phase Two ESA be conducted to address the APECs were identified.

The Qualified Person can confirm that the Phase One Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.

8.0 References

- City of Ottawa, GeoOttawa online mapping tool, (maps.ottawa.ca/geoottawa).
- Dubreuil, L. and C. Woods, *Catalogue of Canadian Fire Insurance Plans, 1875 – 1975*, 2002.
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- Oil, Gas & Salt Resources Library, website (maps.ogsrlibrary.com/wells).
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- Ontario Ministry of the Environment, Conservation and Parks, *Ontario Inventory of PCB Storage Sites*, October 1995.
- Ontario Ministry of the Environment, Conservation and Parks, *Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act*, July 1, 2011.
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- Ontario Ministry of the Environment, Conservation and Parks, *Water Wells website* (www.ontario.ca/environment-and-energy/map-well-records-water-wells).
- Ontario Ministry of Labour, *Occupational Health and Safety Act*, R.S.O. 1990.
- Ontario Ministry of Natural Resources and Forestry, *Natural Heritage website* (www.gisapplication.lrc.gov.on.ca/mamnh/Index.html).

9.0 Limitation of Liability, Scope of Report, and Third Party Reliance

Basis of Report

This report (“Report”) is based on site conditions known or inferred by the investigation undertaken as of the date of the Report. Should changes occur which potentially impact the condition of the site the recommendations of EXP may require re-evaluation. Where special concerns exist, or the Conseil des écoles catholiques du Centre-est (CECCE) (“the Client”) has special considerations or requirements, these should be disclosed to EXP to allow for additional or special investigations to be undertaken not otherwise within the scope of investigation conducted for the purpose of the Report.

Reliance on Information Provided

The evaluation and conclusions contained in the Report are based on conditions in evidence at the time of site inspections and information provided to EXP by the Client and others. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by the Client. EXP has relied in good faith upon such representations, information and instructions and accepts no responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of any misstatements, omissions, misrepresentation or fraudulent acts of persons providing information. Unless specifically stated otherwise, the applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report are only valid to the extent that there has been no material alteration to or variation from any of the information provided to exp. If new information about the environmental conditions at the Site is found, the information should be provided to EXP so that it can be reviewed and revisions to the conclusions and/or recommendations can be made, if warranted.

Standard of Care

The Report has been prepared in a manner consistent with the degree of care and skill exercised by engineering consultants currently practicing under similar circumstances and locale. No other warranty, expressed or implied, is made. Unless specifically stated otherwise, the Report does not contain environmental consulting advice.

Complete Report

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment form part of the Report. This material includes, but is not limited to, the terms of reference given to EXP by the Client, communications between EXP and the Client, other reports, proposals or documents prepared by EXP for the Client in connection with the site described in the Report. In order to properly understand the suggestions, recommendations and opinions expressed in the Report, reference must be made to the Report in its entirety. EXP is not responsible for use by any party of portions of the Report.

Use of Report

The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client. No other party may use or rely upon the Report in whole or in part without the written consent of EXP. Any use of the Report, or any portion of the Report, by a third party are the sole responsibility of such third party. EXP is not responsible for damages suffered by any third party resulting from unauthorised use of the Report.

Report Format

Where EXP has submitted both electronic file and a hard copy of the Report, or any document forming part of the Report, only the signed and sealed hard copy shall be the original documents for record and working purposes. In the event of a dispute or discrepancy, the hard copy shall govern. Electronic files transmitted by EXP utilize specific software and hardware systems. EXP makes no representation about the compatibility of these files with the Client’s current or future software and hardware systems. Regardless of format, the documents described herein are EXP’s instruments of professional service and shall not be altered without the written consent of EXP.

*Conseil des écoles catholiques du Centre-est (CECCE)
Phase One Environmental Site Assessment
2666 Tenth Line Road, Ottawa, Ontario
OTT-22017859-A0
December 16, 2022*

10.0 Signatures

We trust this report meets your current needs. If you have any questions pertaining to the investigation undertaken by EXP, please do not hesitate to contact the undersigned. The Qualified Person can confirm that the Phase One Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.

Leah Wells, P.Eng.
Environmental Engineer
Earth and Environment

Mark McCalla, P.Geo.
Senior Geoscientist
Earth and Environment

Appendix A: Qualifications of Assessors

Qualifications of Assessors

EXP provides a full range of environmental services through a full-time Environmental Services Group. EXP's Earth and Environment Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with Ontario Ministry of the Environment, Conservation and Parks. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the EXP organization.

Leah Wells, P.Eng., has six years of experience in the environmental consulting field. She has worked on numerous Phase I Environmental Site Assessments (ESA); Phase II ESAs, completing soil and groundwater sampling, soil vapour sampling, assisting in report preparation and data entry and analysis.

Mark McCalla, P.Geo., is a senior Environmental Scientist with EXP who has over 30 years of experience in the environmental consulting field. His technical undertakings have including work in the following fields: Phase I and II Environmental Site Assessments; Site Specific Risk Assessments; Petroleum and chlorinated hydrocarbon contaminated sites; Soil and groundwater remediation technologies; Hydrogeological, Terrain Analysis and Aggregate Assessments; Preparation of Ontario Ministry of Environment Certificate of Approvals and Records of Site Condition. Mr. McCalla is a Qualified Person for completing Phase I and II Environmental Site Assessments as per O.Reg. 153/04.

Appendix B: Survey Plan

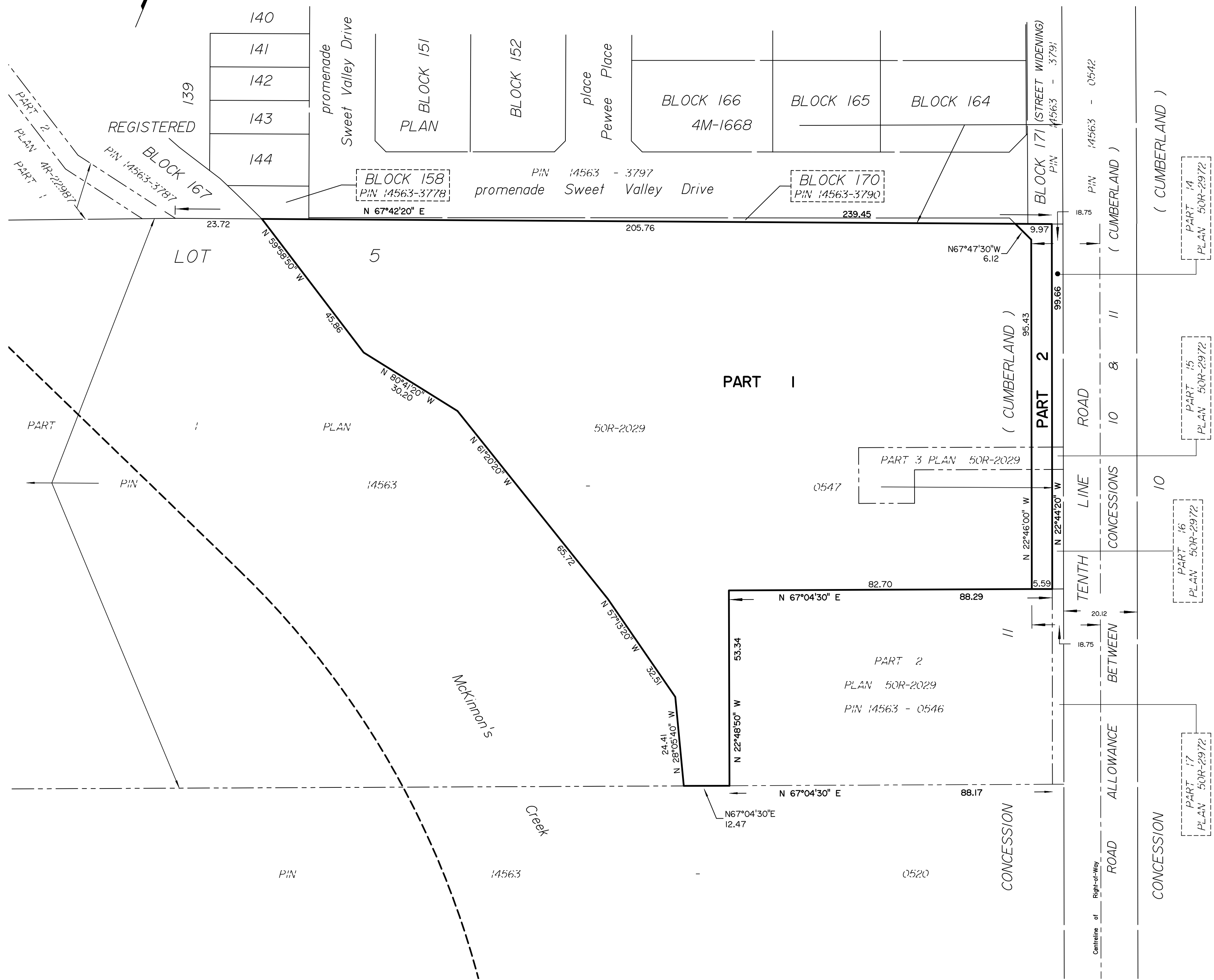
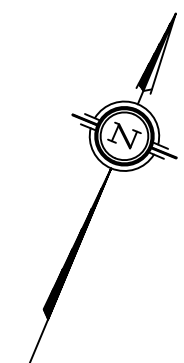
SCHEDULE				
AREA (Sq.m.)	PART	LOT	CONCESSION	PIN
17 471	1	PART OF	11	PART OF
569	2	5		14563-0547

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

PLAN 4R-
RECEIVED AND DEPOSITED
DATE: _____

T. HARTWICK
ONTARIO LAND SURVEYOR

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



PLAN OF SURVEY OF
PART OF LOT 5
CONCESSION 11
Geographic Township of Cumberland
CITY OF OTTAWA
Surveyed by Annis, O'Sullivan, Vollebakk Ltd.



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

Surveyor's Certificate

- I CERTIFY THAT :
- 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.
 - The survey was completed on the ___ day of _____, 2022.

Date

T. Hartwick
Ontario Land Surveyor

Notes & Legend

- Denotes Survey Monument Planted
- Survey Monument Found
- SIB Standard Iron Bar
- SSIB Short Standard Iron Bar
- IB Iron Bar
- (WIT) Witness
- (AOG) Annis, O'Sullivan, Vollebakk Ltd.
- Meas. Measured
- (P1) Plan

Distances shown on this plan are ground distances and can be converted to grid distances by multiplying by the combined scale factor of 0.9999xx.

Bearings are grid, derived from Can-Net 2016 Real Time Network GPS observations on reference points A and B, shown hereon, having a bearing of Nxx°xx'xx"W and are referenced to Specified Control Points 01919680184 and 019198434761, MTM Zone 9 (76°30' West Longitude) NAD-83 (original).

Coordinates are derived from Can-Net 2016 Real Time Network GPS observations referenced to Specified Control Points 01919680184 and 019198434761, MTM Zone 9 (76°30' West Longitude) NAD-83 (original).

Coordinate values are to urban accuracy in accordance with O. Reg. 216/10.

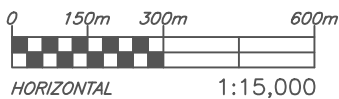
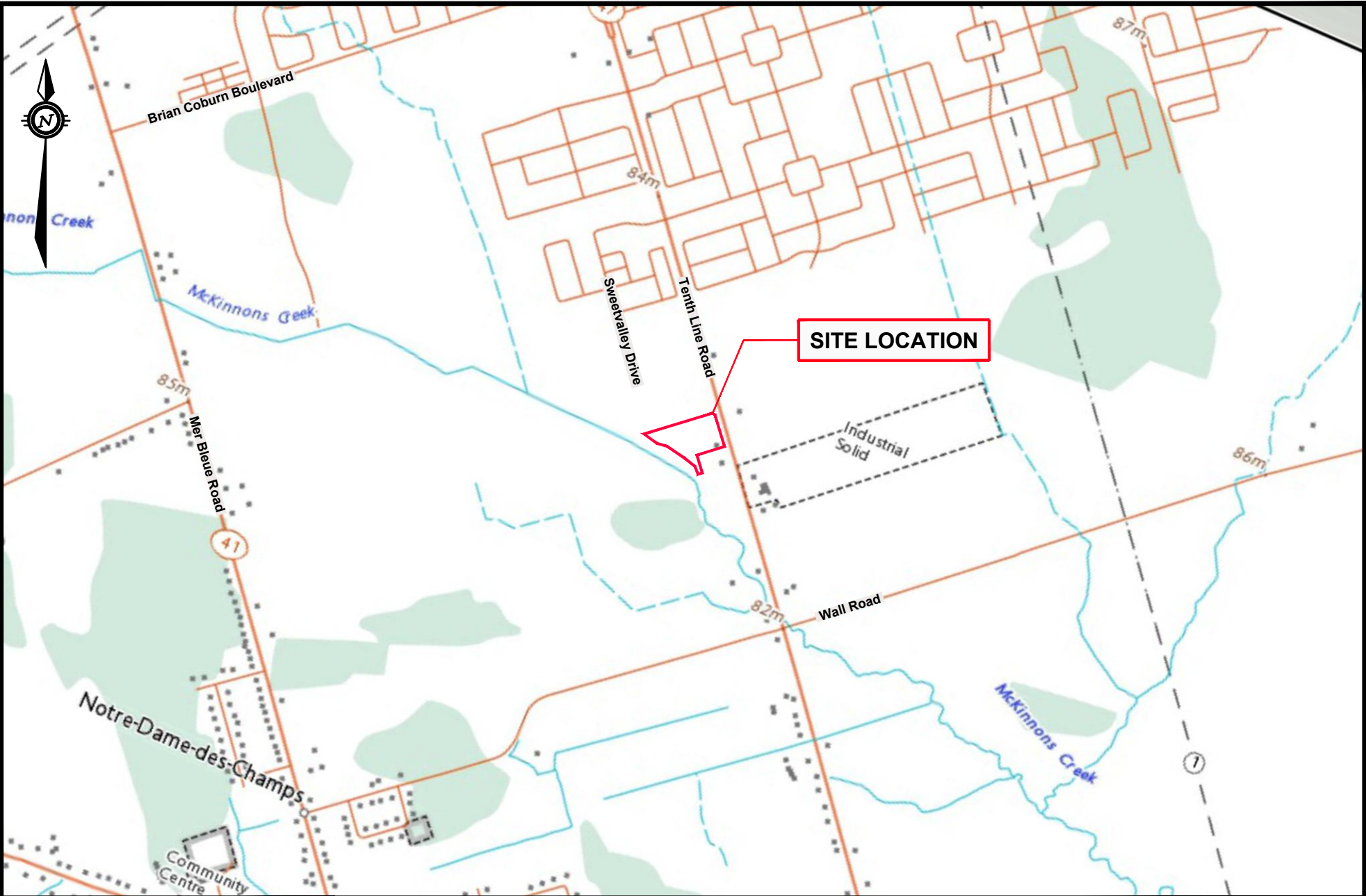
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.019198434761	Northing	5036178.12	Easting	372436.11
.Point A	Northing		Easting	
.Point B	Northing		Easting	

Caution: Coordinates cannot, in themselves, be used to re-establish corners or boundaries shown on this plan.

ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
14 Concourse Gate, Suite 500
Nepean, Ont. K2E 7S6
Phone: (613) 727-0850 / Fax: (613) 727-1079
Email: Nspean@avolltd.com
Ontario Land Surveyors Job No. 22169-22 Cleridge Pt Lt 5 CII CU R DI

Appendix C: Figures

Filename: E:\OTT\22017859-A0\60_Execution\65_Drawings\Env\22017859-A0_Env.dwg
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 Lost Plotted: Dec 14, 2022 1:42 PM
 Plotted By: SeverA



exp Services Inc.
 100-2650 Queensview Drive
 Ottawa, ON K2B 8H6
 www.exp.com



DESIGN	LW
DRAWN	AS
DATE	DECEMBER 2022
FILE NO	OTT-22017859-A0

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
 NOUVELLE ÉCOLE ÉLÉMENTAIRE CATHOLIQUE AVALON III
 SWEETVALLEY DR. AT OLD TENTH LINE RD., OTTAWA, ON






SCALE
 1:15,000
 SKETCH NO

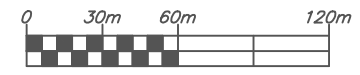
SITE LOCATION PLAN

FIG 1




LEGEND

-  PROPERTY BOUNDARY
-  PHASE ONE STUDY AREA (250m)
-  1 POTENTIALLY CONTAMINATING ACTIVITY (PCA) RESULTING IN APECS
-  2 POTENTIALLY CONTAMINATING ACTIVITY (PCA) NOT RESULTING IN APECS
-  INFERRED GROUNDWATER FLOW DIRECTION

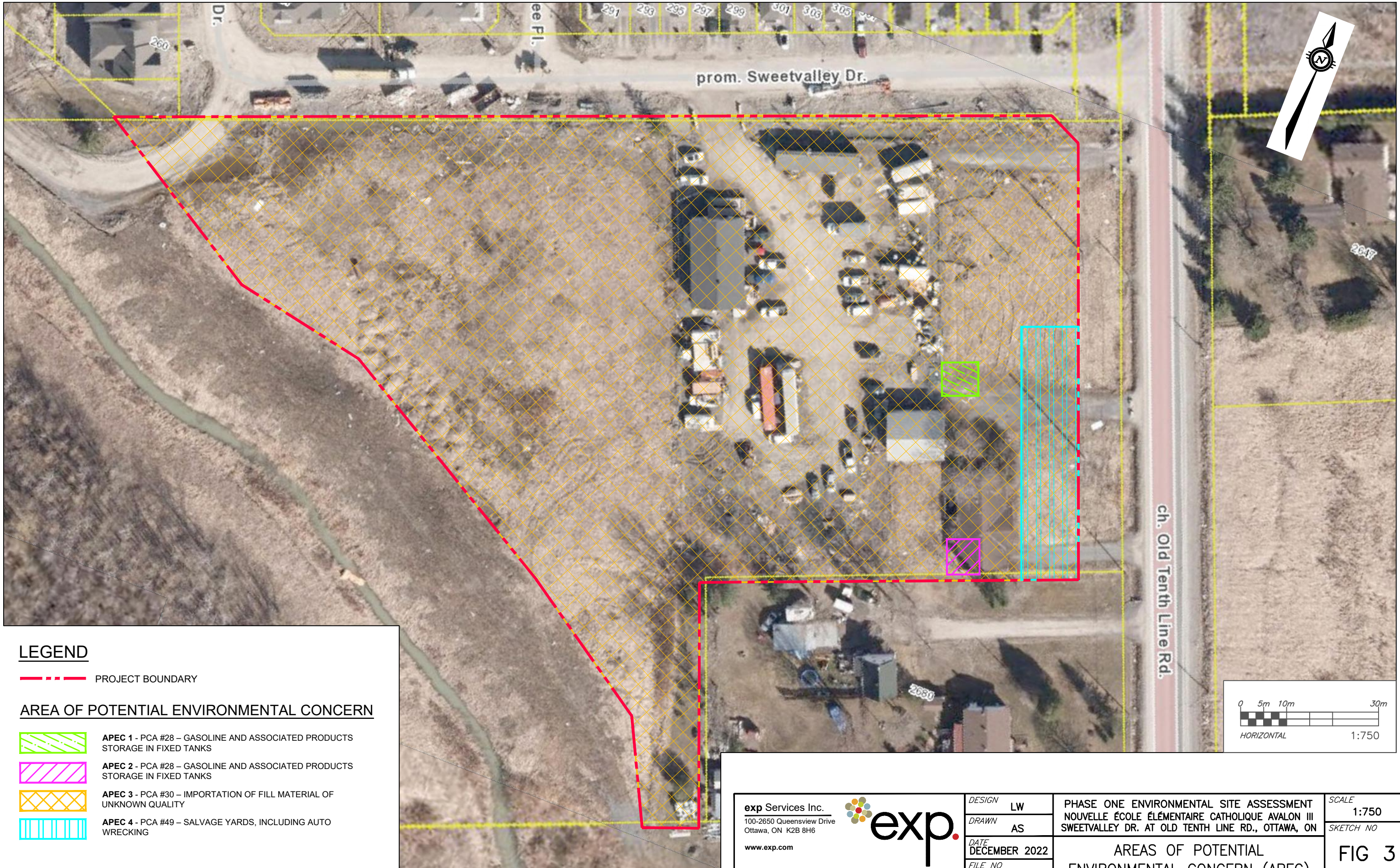


HORIZONTAL 1:3,000

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 Plotted by: SeverA

exp Services Inc. 100-2650 Queensview Drive Ottawa, ON K2B 8H6 www.exp.com		DESIGN LW	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT NOUVELLE ÉCOLE ÉLÉMENTAIRE CATHOLIQUE AVALON III SWEETVALLEY DR. AT OLD TENTH LINE RD., OTTAWA, ON	SCALE 1:3,000
		DRAWN AS		DATE DECEMBER 2022
PHASE ONE STUDY AREA			FIG 2	

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 Last Saved: Dec 19, 2022 12:19 PM Last Plotted: Dec 19, 2022 12:20 PM Plotted by: SeverA



LEGEND

PROJECT BOUNDARY

AREA OF POTENTIAL ENVIRONMENTAL CONCERN

- APEC 1 - PCA #28 – GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS**
- APEC 2 - PCA #28 – GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS**
- APEC 3 - PCA #30 – IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY**
- APEC 4 - PCA #49 – SALVAGE YARDS, INCLUDING AUTO WRECKING**

exp Services Inc. 100-2650 Queensview Drive Ottawa, ON K2B 8H6 www.exp.com		DESIGN	LW	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT NOUVELLE ÉCOLE ÉLÉMENTAIRE CATHOLIQUE AVALON III SWEETVALLEY DR. AT OLD TENTH LINE RD., OTTAWA, ON	SCALE	1:750	
		DRAWN	AS		SKETCH NO		
		DATE	DECEMBER 2022	AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)		FIG 3	
		FILE NO	OTT-22017859-A0				

EXP Services Inc.

*Conseil des écoles catholiques du Centre-est (CECCE)
Phase One Environmental Site Assessment
2666 Tenth Line Road, Ottawa, Ontario
OTT-22017859-A0
December 16, 2022*

Appendix D: Fire Insurance Plans, Title Search, Municipal Records & Provincial Records

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

Access and Privacy Office

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

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

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

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



December 2, 2022

Leah Wells
EXP Services Inc.
2560 Queensview Drive, Unit 100
Ottawa, Ontario K2B 8H6
leah.wells@exp.com

Dear Leah Wells:

RE: MECP FOI A-2022-08295, Your Reference OTT-2107859-A0 – Decision Letter

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 2666 Tenth Line Road, Ottawa.

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

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

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

Yours truly,

ORIGINAL SIGNED BY

Ryan Gunn
Manager (A), Access and Privacy Office

December 13, 2022

Leah Wells
EXP Services

Sent via email [Leah.Wells@exp.com]

Dear Ms. Wells,

**Re: Information Request
2666 Tenth Line 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 has environmental records on file pertaining to the subject property noted above either directly on or adjacent to the subject property. To submit requests for information under the Municipal Freedom of Information and Protection of Privacy Act, please visit <https://ottawa.ca/en/city-hall/open-transparent-and-accountable-government/access-information-and-protection-privacy/access-information>
 - Comment: **The Environmental Remediation Unit has a Phase I ESA that includes 2666 Tenth Line Road and part of 2503 & 2559 Mer Bleue Road (Paterson, 2021).**

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 key words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

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

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

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

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

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

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

Sincerely,

Amya Martinov
Student Planner

Per:

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

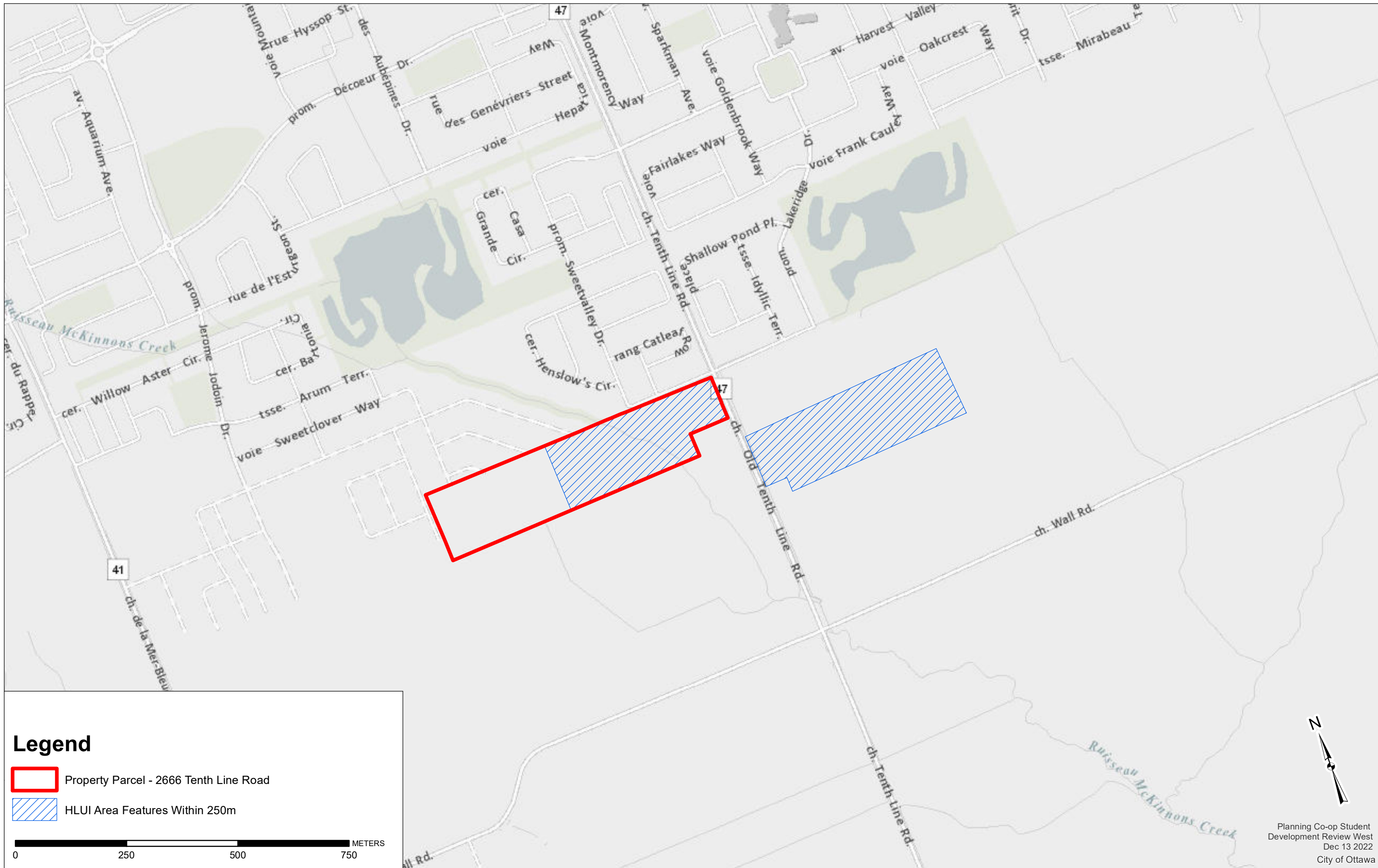
MB / AM

Enclosures: (2)



1. HLUI Map
2. HLUI Summary Report

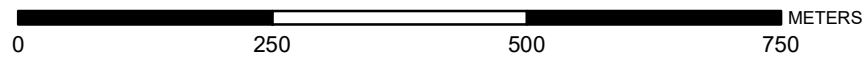
cc: File no. D06-03-22-0190

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



Legend

-  Property Parcel - 2666 Tenth Line Road
-  HLUI Area Features Within 250m



HLUI SUMMARY REPORT
AREA FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
13137	HERALD ROBERT CART, Truck Transport Industries		1996-MCBED	1	1996	c. 1996	2666	TENTH LINE	RD		CUMBERL	2666	TENTH LINE	RD		K4A3W5	1.46E+08	CUMBERLAND	484110; 484121	456			1117.182909	57610.17733
13173	CONROY AUTO PARTS F Auto Junkyard		1965-EMR-SMB-NTS-31G/6W-3r	1	1970-2006	1970-2006	2715	TENTH LINE	RD		CUMBERL	2715	TENTH LINE	RD		K4A3W7	1.46E+08	CUMBERLAND	236110; 415310	591			1265.436952	73225.2473

Appendix E: EcoLog ERIS Report



DATABASE REPORT

Project Property: *Phase One ESA
2666 Tenth Line Road
Orléans ON K4A 3W5*

Project No: *OTT-22017859-A0_Leah.Wells*

Report Type: *Standard Report*

Order No: *22112200409*

Requested by: *exp Services Inc.*

Date Completed: *November 25, 2022*

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	6
Executive Summary: Site Report Summary - Surrounding Properties.....	7
Executive Summary: Summary By Data Source.....	9
Map.....	11
Aerial.....	12
Topographic Map.....	13
Detail Report.....	14
Unplottable Summary.....	33
Unplottable Report.....	35
Appendix: Database Descriptions.....	43
Definitions.....	52

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

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Executive Summary

Property Information:

Project Property: Phase One ESA
2666 Tenth Line Road Orléans ON K4A 3W5

Project No: OTT-22017859-A0_Leah.Wells

Coordinates:

Latitude: 45.4394348
Longitude: -75.4767273
UTM Northing: 5,031,878.44
UTM Easting: 462,714.92
UTM Zone: 18T

Elevation: 278 FT
84.88 M

Order Information:

Order No: 22112200409
Date Requested: November 22, 2022
Requested by: exp Services Inc.
Report Type: Standard Report

Historical/Products:

City Directory Search CD - Subject Site plus 5 Adjacent Properties
ERIS Xplorer [ERIS Xplorer](#)

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	3	3
BORE	<i>Borehole</i>	Y	0	1	1
CA	<i>Certificates of Approval</i>	Y	0	0	0
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	1	1
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	2	2
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	1	1
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	0	0
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	4	4
Total:			0	12	12

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	EHS		2671 Tenth Line Road Orléans ON K4A 3W5	E/105.9	1.00	14
1	EHS		2671 Tenth Line Road Orléans ON K4A 3W5	E/105.9	1.00	14
2	WWIS		lot 4 con 10 ON Well ID: 1512818	NE/140.0	1.00	14
3	BORE		ON	NE/140.2	1.00	18
4	WWIS		2680 TENTH LINE RD. lot 5 con 10 Orléans ON Well ID: 7212506	E/177.0	1.00	19
5	WWIS		lot 5 con 10 ON Well ID: 1513954	ESE/183.3	1.00	26
6	WWIS		10TH LINE ROAD lot 4 con 11 Ottawa ON Well ID: 7364309	NNW/227.5	1.00	29
7	ECA	Minto Communities Inc.	2605 Tenth Line Rd Ottawa ON K1P 0B6	N/235.9	1.00	31
7	GEN	Minto Communities Inc.	2605 Tenth Line Road Ottawa ON K4A 0X7	N/235.9	1.00	32
8	AUWR	AUTO PARTS LOCATORS SALES & SERVICE	2727 TENTH LINE RD ORLEANS ON K4A 3W7	ESE/249.5	1.00	32
8	AUWR	AUTO PARTS LOCATORS SALES & SERVICE	2727 TENTH LINE RD ORLEANS ON K4A3W7	ESE/249.5	1.00	32
8	AUWR	AUTO PARTS LOCATORS SALES & SERVICE	2727 TENTH LINE RD ORLEANS ON K4A3W7	ESE/249.5	1.00	32

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
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Executive Summary: Summary By Data Source

AUWR - Automobile Wrecking & Supplies

A search of the AUWR database, dated 1999-May 31, 2022 has found that there are 3 AUWR site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
AUTO PARTS LOCATORS SALES & SERVICE	2727 TENTH LINE RD ORLEANS ON K4A3W7	ESE	249.48	<u>8</u>
AUTO PARTS LOCATORS SALES & SERVICE	2727 TENTH LINE RD ORLEANS ON K4A 3W7	ESE	249.48	<u>8</u>
AUTO PARTS LOCATORS SALES & SERVICE	2727 TENTH LINE RD ORLEANS ON K4A3W7	ESE	249.48	<u>8</u>

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 1 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	NE	140.19	<u>3</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Sep 30, 2022 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Minto Communities Inc.	2605 Tenth Line Rd Ottawa ON K1P 0B6	N	235.90	<u>7</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2022 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2671 Tenth Line Road Orléans ON K4A 3W5	E	105.89	1
	2671 Tenth Line Road Orléans ON K4A 3W5	E	105.89	1

GEN - Ontario Regulation 347 Waste Generators Summary

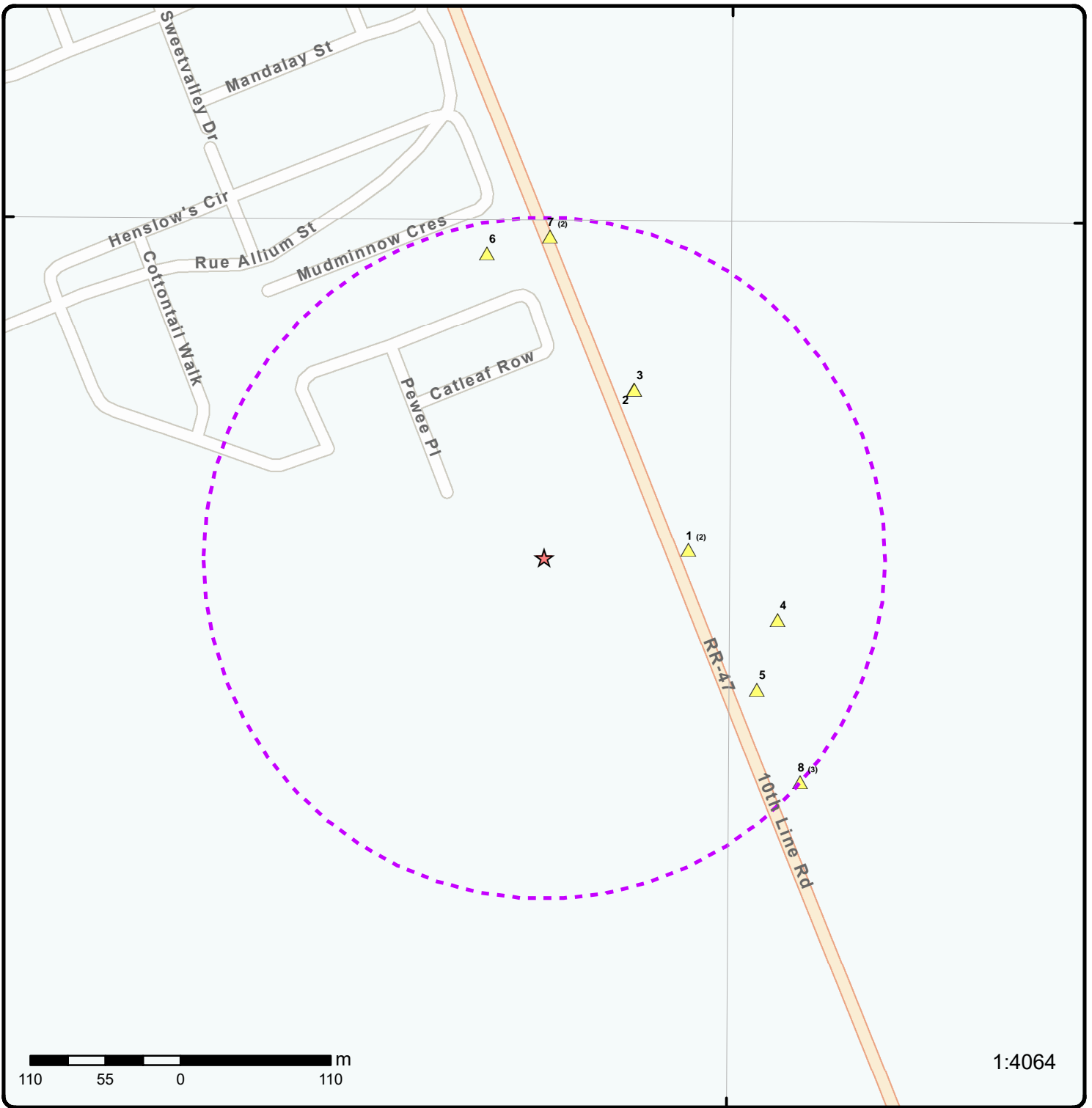
A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 1 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Minto Communities Inc.	2605 Tenth Line Road Ottawa ON K4A 0X7	N	235.90	7

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30 2022 has found that there are 4 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 4 con 10 ON <i>Well ID:</i> 1512818	NE	140.02	2
	2680 TENTH LINE RD. lot 5 con 10 Orléans ON <i>Well ID:</i> 7212506	E	177.02	4
	lot 5 con 10 ON <i>Well ID:</i> 1513954	ESE	183.31	5
	10TH LINE ROAD lot 4 con 11 Ottawa ON <i>Well ID:</i> 7364309	NNW	227.45	6



Map: 0.25 Kilometer Radius

Order Number: 22112200409

Address: 2666 Tenth Line Road, Orléans, ON



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

45°27'N

75°28'30"W

45°27'N



Aerial Year: 2022

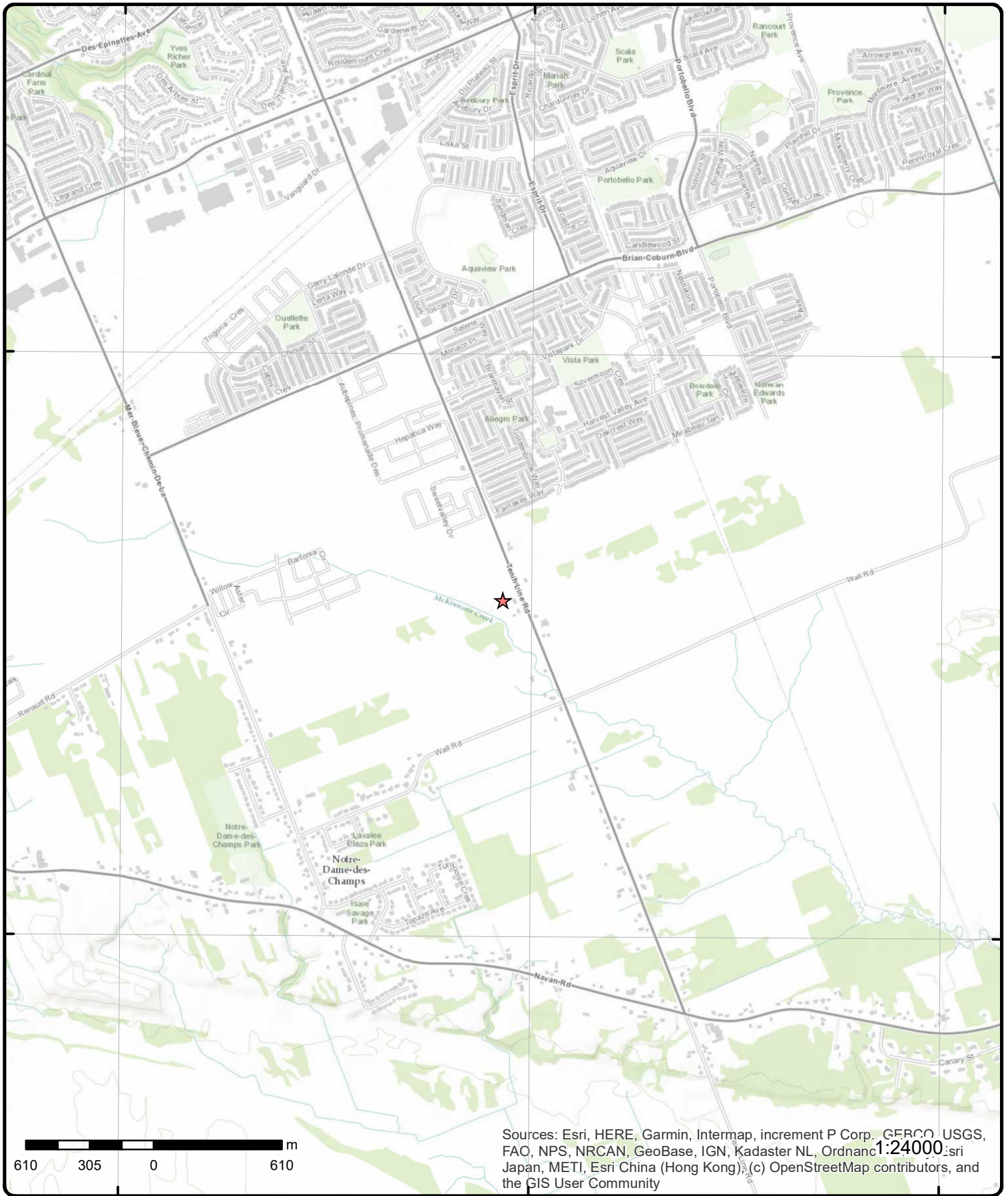
Order Number: 22112200409

Address: 2666 Tenth Line Road, Orléans, ON



Source: ESRI World Imagery

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Topographic Map

Address: 2666 Tenth Line Road, ON

Source: ESRI World Topographic Map

Order Number: 22112200409



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p><u>1</u></p> <p>Order No: 20200427116 Status: C Report Type: Standard Report Report Date: 30-APR-20 Date Received: 27-APR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:</p>	1 of 2	E/105.9	85.9 / 1.00	2671 Tenth Line Road Orléans ON K4A 3W5	EHS
<p><u>1</u></p> <p>Order No: 20200427116 Status: C Report Type: Standard Report Report Date: 30-APR-20 Date Received: 27-APR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:</p>	2 of 2	E/105.9	85.9 / 1.00	2671 Tenth Line Road Orléans ON K4A 3W5	EHS
<p><u>2</u></p> <p>Well ID: 1512818 Construction Date: Use 1st: Domestic Use 2nd: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: CUMBERLAND TOWNSHIP Site Info:</p> <p>PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512818.pdf</p>	1 of 1	NE/140.0	85.9 / 1.00	lot 4 con 10 ON	WWIS

Additional Detail(s) (Map)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Completed Date:		1970/09/04			
Year Completed:		1970			
Depth (m):		47.8536			
Latitude:		45.4405504261762			
Longitude:		-75.4758942947156			
Path:		151\1512818.pdf			

Bore Hole Information

Bore Hole ID:	10034806	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	462780.80
Code OB Desc:		North83:	5032002.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	04-Sep-1970 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Loc 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:	931021638
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	150.0
Formation End Depth:	157.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931021636
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	110.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931021637			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		110.0			
Formation End Depth:		150.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961512818			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10583376			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930061662			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		157.0			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930061661			
Layer:		1			
Material:		2			
Open Hole or Material:		GALVANIZED			
Depth From:					
Depth To:		152.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991512818			
Pump Set At:					
Static Level:		0.0			
Final Level After Pumping:		4.0			
Recommended Pump Depth:		20.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Rate:		15.0			
Flowing Rate:					
Recommended Pump Rate:		6.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934098884			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		4.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934896477			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		4.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934377997			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		4.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934638995			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		4.0			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933468309			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		157.0			
Water Found Depth UOM:		ft			
 <u>Links</u>					
Bore Hole ID:	10034806			Tag No:	1504
Depth M:	47.8536			Contractor:	151\1512818.pdf
Year Completed:	1970			Path:	45.4405504261762
Well Completed Dt:	1970/09/04			Latitude:	-75.4758942947156
Audit No:				Longitude:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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<u>3</u>	1 of 1	NE/140.2	85.9 / 1.00	ON	BORE
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Borehole ID:	616279	Inclin FLG:	No
OGF ID:	215517068	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	SEP-1970	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.440552
Total Depth m:	47.9	Longitude DD:	-75.475894
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	462781
Drill Method:		Northing:	5032002
Orig Ground Elev m:	85.3	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	86.6		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403543	Mat Consistency:	
Top Depth:	33.5	Material Moisture:	
Bottom Depth:	45.7	Material Texture:	
Material Color:	Grey	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. GREY.		

Geology Stratum ID:	218403542	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	33.5	Material Texture:	
Material Color:	Blue	Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID:	218403544	Mat Consistency:	
Top Depth:	45.7	Material Moisture:	
Bottom Depth:	47.9	Material Texture:	
Material Color:	Dark	Non Geo Mat Type:	
Material 1:	Limestone	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	LIMESTONE. GREY. 00157SMIC VELOCITY = 4900. BEDROCK. SEISMIC VELOCITY = 18000. K. DARK,G		
	**Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Orig:	Geological Survey of Canada			Source IDen:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 08787 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				

<u>4</u>	1 of 1	E/177.0	85.9 / 1.00	2680 TENTH LINE RD. lot 5 con 10 Orl?ans ON	WWIS
Well ID:	7212506			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Water Supply			Date Received:	05-Dec-2013 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z175574			Contractor:	6006
Tag:	A151894			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	005
Depth to Bedrock:				Concession:	10
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	CUMBERLAND TOWNSHIP				
Site Info:	PART 2				
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7212506.pdf				

Additional Detail(s) (Map)

Well Completed Date:	2013/11/26
Year Completed:	2013
Depth (m):	35.75
Latitude:	45.4390348664981
Longitude:	-75.4745364752421
Path:	721\7212506.pdf

Bore Hole Information

Bore Hole ID:	1004663123	Elevation:	
DP2BR:		Elelvc:	
Spatial Status:		Zone:	18
Code OB:		East83:	462886.00
Code OB Desc:		North83:	5031833.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	26-Nov-2013 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Remarks:				Location Method:	WWF
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005013187			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		17			
Mat3 Desc:		SHALE			
Formation Top Depth:		30.899999618530273			
Formation End Depth:		35.75			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005013186			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		2.4200000762939453			
Formation End Depth:		30.899999618530273			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005013185			
Layer:		1			
Color:		7			
General Color:		RED			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		2.4200000762939453			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1005013221			
Layer:		1			
Plug From:		6.059999942779541			
Plug To:		0.0			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005013220			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005013183			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005013191			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.0			
Depth To:		34.2400016784668			
Casing Diameter:		15.550000190734863			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		1005013190			
Layer:		1			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		0.0			
Depth To:		6.059999942779541			
Casing Diameter:		25.3999999618530273			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005013192			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test ID:		1005013184			
Pump Set At:		22.719999313354492			
Static Level:		2.299999952316284			
Final Level After Pumping:		11.0			
Recommended Pump Depth:		22.719999313354492			
Pumping Rate:		31.5			
Flowing Rate:					
Recommended Pump Rate:		36.0			
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		0			
Pumping Duration HR:		2			
Pumping Duration MIN:					
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005013196			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		8.699999809265137			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005013216			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		2.299999952316284			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005013217			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		11.0			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005013208			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		3.059999942779541			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005013198			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		7.760000228881836			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005013199			
Test Type:		Draw Down			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Duration:</i>		4			
<i>Test Level:</i>		5.679999828338623			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005013202			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		6.599999904632568			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005013207			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		20			
<i>Test Level:</i>		9.520000457763672			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005013193			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		1			
<i>Test Level:</i>		3.490000009536743			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005013197			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		3			
<i>Test Level:</i>		5.119999885559082			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005013203			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		10			
<i>Test Level:</i>		7.909999847412109			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005013209			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		9.949999809265137			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005013210			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		2.5399999618530273			
<i>Test Level UOM:</i>		m			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005013211		
Test Type:			Draw Down		
Test Duration:			30		
Test Level:			10.25		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005013218		
Test Type:			Recovery		
Test Duration:			60		
Test Level:			2.299999952316284		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005013194		
Test Type:			Recovery		
Test Duration:			1		
Test Level:			9.600000381469727		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005013195		
Test Type:			Draw Down		
Test Duration:			2		
Test Level:			4.5		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005013205		
Test Type:			Draw Down		
Test Duration:			15		
Test Level:			8.890000343322754		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005013206		
Test Type:			Recovery		
Test Duration:			15		
Test Level:			3.690000057220459		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005013212		
Test Type:			Recovery		
Test Duration:			30		
Test Level:			2.369999885559082		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005013213		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		10.609999656677246			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005013215			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		10.850000381469727			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005013200			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		7.139999866485596			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005013201			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		6.21999979019165			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005013204			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		4.539999961853027			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005013214			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		2.299999952316284			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		1005013189			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		35.75			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005013188			
Diameter:		15.229999542236328			
Depth From:		0.0			
Depth To:		35.75			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
Links					
Bore Hole ID:	1004663123			Tag No:	A151894
Depth M:	35.75			Contractor:	6006
Year Completed:	2013			Path:	721\7212506.pdf
Well Completed Dt:	2013/11/26			Latitude:	45.4390348664981
Audit No:	Z175574			Longitude:	-75.4745364752421

<u>5</u>	1 of 1	ESE/183.3	85.9 / 1.00	lot 5 con 10 ON	WWIS
Well ID:	1513954			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:	18-Mar-1974 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	1504
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	005
Depth to Bedrock:				Concession:	10
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	CUMBERLAND TOWNSHIP				
Site Info:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513954.pdf

Additional Detail(s) (Map)

Well Completed Date: 1973/06/06
Year Completed: 1973
Depth (m): 43.8912
Latitude: 45.4385750118821
Longitude: -75.4747269649525
Path: 151\1513954.pdf

Bore Hole Information

Bore Hole ID: 10035936
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06-Jun-1973 00:00:00
Remarks:
Loc Method Desc: Original Pre1985 UTM Rel Code 6: margin of error : 300 m - 1 km
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:

Elevation:
Elevrc:
Zone: 18
East83: 462870.80
North83: 5031782.00
Org CS:
UTMRC: 6
UTMRC Desc: margin of error : 300 m - 1 km
Location Method: p6

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931024895			
Layer:		1			
Color:		7			
General Color:		RED			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		10.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931024897			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		93.0			
Formation End Depth:		144.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931024896			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		10.0			
Formation End Depth:		93.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961513954			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Pipe Information</u>					
Pipe ID:		10584506			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930063496			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		144.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991513954			
Pump Set At:					
Static Level:		4.0			
Final Level After Pumping:		40.0			
Recommended Pump Depth:		40.0			
Pumping Rate:		6.0			
Flowing Rate:					
Recommended Pump Rate:		6.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934899263			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		4.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934099726			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		25.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934380800			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		10.0			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Draw Down & Recovery

Pump Test Detail ID: 934641793
Test Type: Recovery
Test Duration: 45
Test Level: 4.0
Test Level UOM: ft

Water Details

Water ID: 933469708
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 144.0
Water Found Depth UOM: ft

Links

Bore Hole ID:	10035936	Tag No:	
Depth M:	43.8912	Contractor:	1504
Year Completed:	1973	Path:	151\1513954.pdf
Well Completed Dt:	1973/06/06	Latitude:	45.4385750118821
Audit No:		Longitude:	-75.4747269649525

6 1 of 1 **NNW/227.5** **85.9 / 1.00** **10TH LINE ROAD lot 4 con 11** **WWIS**
Ottawa ON

Well ID:	7364309	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Monitoring	Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:	Abandoned-Other	Date Received:	14-Aug-2020 00:00:00
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	Yes
Audit No:	Z322890	Contractor:	4875
Tag:		Form Version:	7
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	004
Depth to Bedrock:		Concession:	11
Well Depth:		Concession Name:	CON
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	CUMBERLAND TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	1008422760	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	462673.00
Code OB Desc:		North83:	5032102.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	24-Jun-2020 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1008753244			
Layer:					
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:	m				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1008753252			
Layer:		2			
Plug From:					
Plug To:					
Plug Depth UOM:	m				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1008753251			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:	m				
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1008753250			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1008753243			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1008753247			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material:					
Open Hole or Material:		5			
Depth From:		PLASTIC			
Depth To:					
Casing Diameter:		50.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1008753248			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1008753246			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1008753245			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:	1008422760			Tag No:	
Depth M:				Contractor:	4875
Year Completed:	2020			Path:	736\7364309.pdf
Well Completed Dt:	2020/06/24			Latitude:	45.4414447669705
Audit No:	Z322890			Longitude:	-75.4772801943986

<u>7</u>	1 of 2	N/235.9	85.9 / 1.00	Minto Communities Inc. 2605 Tenth Line Rd Ottawa ON K1P 0B6	ECA
Approval No:	2702-CA6M8A			MOE District:	Ottawa
Approval Date:	January 18, 2022			City:	
Status:	Approved			Longitude:	-75.47823
Record Type:	ECA			Latitude:	45.444278
Link Source:	IDS			Geometry X:	-8402198.1295999996
SWP Area Name:	South Nation			Geometry Y:	5691737.2531000013
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Business Name:	Minto Communities Inc.				
Address:	2605 Tenth Line Rd				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6017-C9NHMM-14.pdf				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF Site Location:		Avalon Vista Stage 1 Subdivision 2605 Tenth Line Road City of Ottawa, Ontario			
<u>7</u>	2 of 2	N/235.9	85.9 / 1.00	Minto Communities Inc. 2605 Tenth Line Road Ottawa ON K4A 0X7	GEN
Generator No:		ON7672135			
SIC Code:					
SIC Description:					
Approval Years:		As of Oct 2022			
PO Box No:					
Country:		Canada			
Status:		Registered			
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		252 L			
Waste Class Name:		WASTE OILS & LUBRICANTS			
<u>8</u>	1 of 3	ESE/249.5	85.9 / 1.00	AUTO PARTS LOCATORS SALES & SERVICE 2727 TENTH LINE RD ORLEANS ON K4A 3W7	AUWR
Headcode:		00096400			
Headcode Desc:		AUTOMOBILE PARTS & SUPPLIES-USED & REBUILT			
Phone:					
List Name:					
Description:					
<u>8</u>	2 of 3	ESE/249.5	85.9 / 1.00	AUTO PARTS LOCATORS SALES & SERVICE 2727 TENTH LINE RD ORLEANS ON K4A3W7	AUWR
Headcode:		00096400			
Headcode Desc:		AUTOMOBILE PARTS & SUPPLIES USED & REBUILT			
Phone:		6138377480			
List Name:		INFO-DIRECT(TM) BUSINESS FILE			
Description:					
<u>8</u>	3 of 3	ESE/249.5	85.9 / 1.00	AUTO PARTS LOCATORS SALES & SERVICE 2727 TENTH LINE RD ORLEANS ON K4A3W7	AUWR
Headcode:		00098600			
Headcode Desc:		AUTOMOBILE WRECKING & RECYCLING			
Phone:		6138377480			
List Name:		INFO-DIRECT(TM) BUSINESS FILE			
Description:					

Unplottable Summary

Total: **26** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	ORLEANS VETERINARY HOSPITAL C/O PROJEK	TENTH LINE RD. DESIGN & DEV	CUMBERLAND TWP. ON	
CA	City of Ottawa	Tenth Line Rd Cumberland Ward	Ottawa ON	
CA	City of Ottawa	Tenth Line Rd Cumberland Ward	Ottawa ON	
CA	Minto Communities Inc.		Ottawa ON	
CA	BRAM GROUP - BILBERRY CREEK INDL. PARK	TENTH LINE RD./S.W.M. FAC.	CUMBERLAND TWP. ON	
CA	Township of Cumberland	10TH LINE RD./S.W.M.	CUMBERLAND TWP. 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 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
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
ECA	Minto Communities Inc.	Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.	Ottawa ON	K1P 0B6
PTTW	Minto Communities Inc.	ON	
PTTW	Minto Communities Inc.	ON	

Unplottable Report

Site: ORLEANS VETERINARY HOSPITAL C/O PROJEK
TENTH LINE RD. DESIGN & DEV CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-0986-87-
Application Year: 87
Issue Date: 6/15/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Ottawa
Tenth Line Rd Cumberland Ward Ottawa ON

Database:
CA

Certificate #: 1950-7LGSHX
Application Year: 2008
Issue Date: 11/27/2008
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: City of Ottawa
Tenth Line Rd Cumberland Ward Ottawa ON

Database:
CA

Certificate #: 3246-6XDPKA
Application Year: 2007
Issue Date: 1/19/2007
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 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: **BRAM GROUP - BILBERRY CREEK INDL. PARK**
TENTH LINE RD./S.W.M. FAC. CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-1316-92-
Application Year: 92
Issue Date: 11/16/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Township of Cumberland**
10TH LINE RD./S.W.M. CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-1386-92-
Application Year: 92
Issue Date: 5/28/1993
Approval Type: Municipal sewage
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Minto Communities**
ON

Database:
EBR

EBR Registry No:	019-2808	Decision Posted:	February 26, 2021
Ministry Ref No:	KV-C-001-19	Exception Posted:	
Notice Type:	Instrument	Section:	Section 17 (2) (c)
Notice Stage:	Decision	Act 1:	Endangered Species Act , R.S.O. 2007
Notice Date:		Act 2:	Endangered Species Act, 2007
Proposal Date:	December 4, 2020	Site Location Map:	
Year:	2020		
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>

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: 6432-CA6MRC **MOE District:** Ottawa
Approval Date: January 18, 2022 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:** -8402261.5817000009
SWP Area Name: South Nation **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: 6142-BEJHCE **MOE District:**
Approval Date: 2019-08-01 **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/0892-BDSKVQ-14.pdf>
PDF Site Location:

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

Approval No: 8605-AYUHJG **MOE District:**
Approval Date: 2018-05-30 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
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: 3128-AQGJ6T
Approval Date: 2017-08-23
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/4569-AQCRKJ-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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

Database:
ECA

Approval No: 1720-AKJGKQ
Approval Date: 2017-03-24
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
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:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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

Database:
ECA

Approval No: 7598-94TRX3
Approval Date: 2013-02-26
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
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:

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 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 Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 3002-8PBSB4
Approval Date: 2012-01-31
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
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:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 3053-8YJNWU
Approval Date: 2012-10-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
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:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 1554-8Y2HZ6
Approval Date: 2012-09-14
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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: 0606-AHXJCH
Approval Date: 2017-02-02
Status: Approved
Record Type: ECA
Link Source: IDS

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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/4552-AHSJ74-14.pdf>

PDF Site Location:

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

Database:
ECA

Approval No: 7661-ABCKQL
Approval Date: 2016-06-30
Status: Approved
Record Type: ECA
Link Source: IDS

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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/5664-AB4KGV-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

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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/8185-A3PRB5-14.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

MOE District:
City:
Longitude:
Latitude:

Link Source: IDS
SWP Area Name: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Approval Type: 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: 7202-97BLB4
Approval Date: 2013-05-23
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Approval Type: 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:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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

Database:
ECA

Approval No: 0195-95LSVA
Approval Date: 2013-03-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Approval Type: 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:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
ON

Database:
PTTW

EBR Registry No: 012-9800
Ministry Ref No: 5771-AJEJDR
Notice Type: Instrument Decision
Notice Stage:
Notice Date: October 06, 2017
Proposal Date: February 13, 2017
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:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

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:			

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

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Nov 2021

Abandoned Mine Information System:

Provincial

[AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Mar 2022

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-May 31, 2022

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 2020

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: Feb 28, 2022

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-May 31, 2022

Compressed Natural Gas Stations:

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Sep 2022

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-Sep 2022

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 - Oct 31, 2022

Drill Hole Database:

Provincial [DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Oct 2022

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: Feb 28, 2022

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- Sep 30, 2022

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 - Oct 31, 2022

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- Sep 30, 2022

Environmental Effects Monitoring:

Federal [EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private [EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jul 31, 2022

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 / 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, 2021

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: Feb 28, 2022

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-Sep 2022

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Fuel Storage Tank - Historic:

Provincial

[FSTH](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

[GEN](#)

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

[GHG](#)

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents:

Provincial

[HINC](#)

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

[INC](#)

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

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 21, 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 2022

National Analysis of Trends in Emergencies System (NATES):

Federal

[NATE](#)

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

[NCPL](#)

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2020

National Defense & Canadian Forces Fuel Tanks:

Federal

[NDFT](#)

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

[NDSP](#)

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

[NDWD](#)

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

[NEBI](#)

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

[NEBP](#)

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Aug 31, 2022

Ontario Oil and Gas Wells:

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Aug 2021

Inventory of PCB Storage Sites:

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders:

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include 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 - Oct 31, 2022

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- Sep 30, 2022

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

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 - Oct 31, 2022

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition:

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Sep 2022

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-May 31, 2022

Scott's Manufacturing Directory:

Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021

Wastewater Discharger Registration Database:

Provincial [SRDS](#)

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks:

Private [TANK](#)

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal [TCFT](#)

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variations for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

Government Publication Date: 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- Sep 30, 2022

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30th, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Jun 30 2022

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.

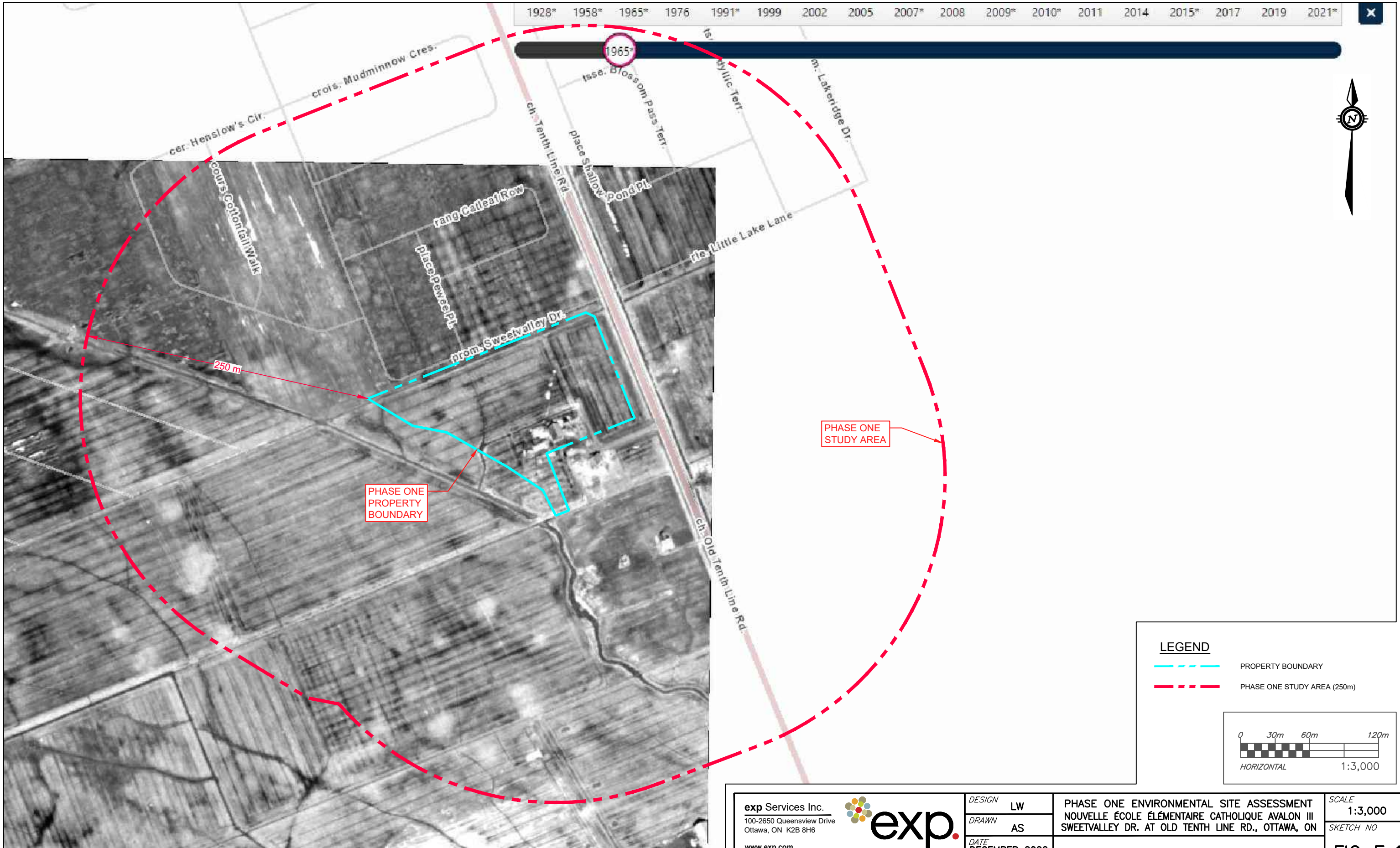
Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number 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 F: Aerial Photographs

1928* 1958* 1965* 1976 1991* 1999 2002 2005 2007* 2008 2009* 2010* 2011 2014 2015* 2017 2019 2021*



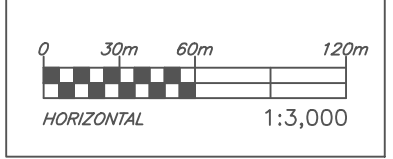
PHASE ONE PROPERTY BOUNDARY

PHASE ONE STUDY AREA

250 m

LEGEND

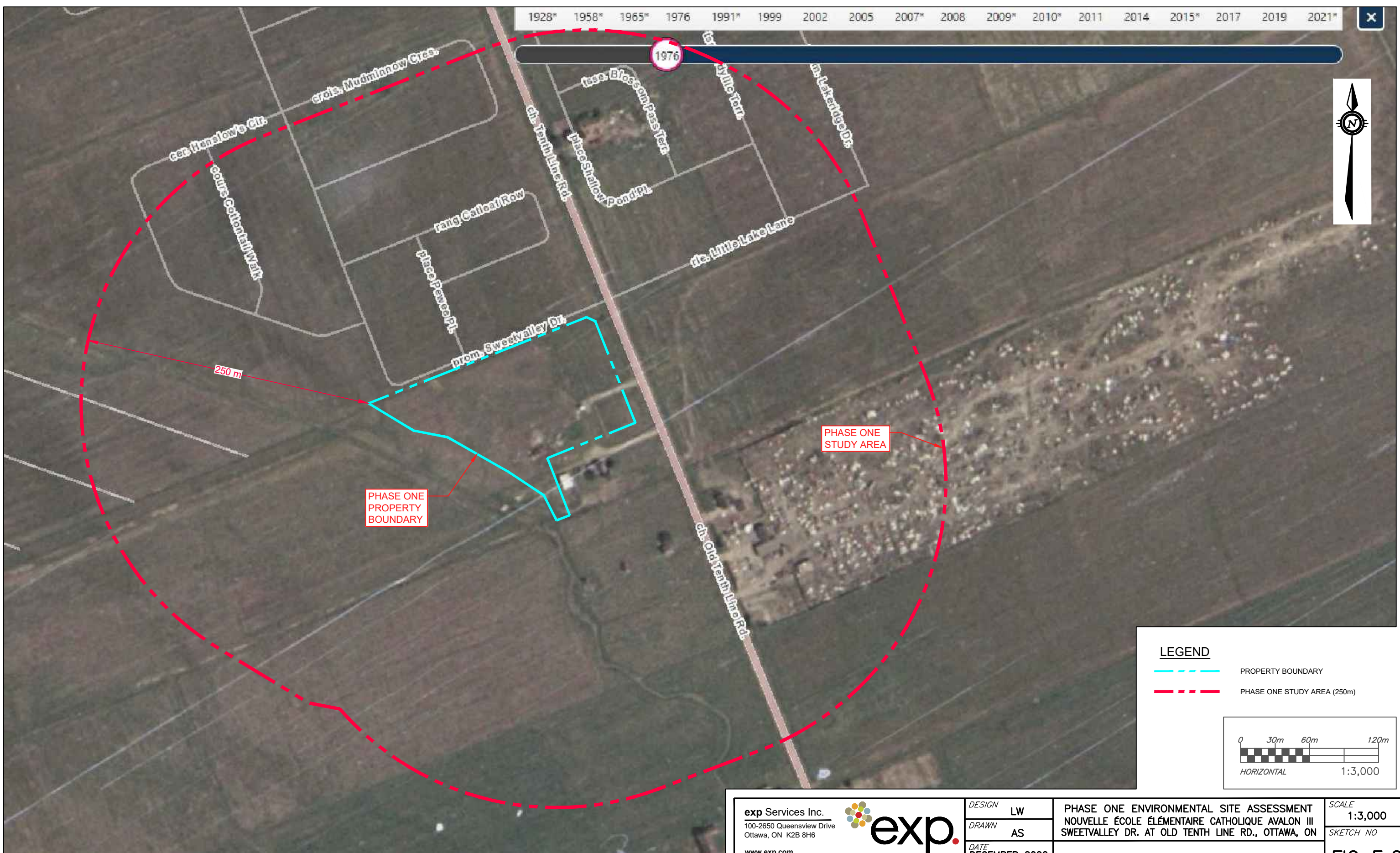
- - - PROPERTY BOUNDARY
- - - PHASE ONE STUDY AREA (250m)



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 Last Saved: Dec 15, 2022 10:47 AM Last Plotted: Dec 15, 2022 10:48 AM Plotted by: SeverA

exp Services Inc. 100-2650 Queensview Drive Ottawa, ON K2B 8H6 www.exp.com		DESIGN	LW	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT NOUVELLE ÉCOLE ÉLÉMENTAIRE CATHOLIQUE AVALON III SWEETVALLEY DR. AT OLD TENTH LINE RD., OTTAWA, ON	SCALE	1:3,000
		DRAWN	AS		SKETCH NO	
		DATE	DECEMBER 2022			
		FILE NO	OTT-22017859-A0			
				1965 AERIAL PHOTOGRAPH	FIG F-1	

1928* 1958* 1965* 1976 1991* 1999 2002 2005 2007* 2008 2009* 2010* 2011 2014 2015* 2017 2019 2021*



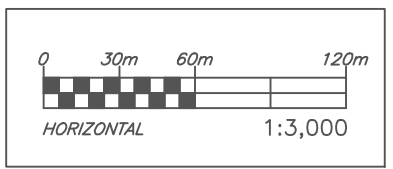
PHASE ONE
PROPERTY
BOUNDARY

PHASE ONE
STUDY AREA

250 m

LEGEND

- - - PROPERTY BOUNDARY
- - - PHASE ONE STUDY AREA (250m)



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 DRAWN AS
 DATE DECEMBER 2022
 FILE NO OTT-22017859-A0

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
 NOUVELLE ÉCOLE ÉLÉMENTAIRE CATHOLIQUE AVALON III
 SWEETVALLEY DR. AT OLD TENTH LINE RD., OTTAWA, ON
 1976 AERIAL PHOTOGRAPH

SCALE 1:3,000
 SKETCH NO
FIG F-2

1928* 1958* 1965* 1976 1991* 1999 2002 2005 2007* 2008 2009* 2010* 2011 2014 2015* 2017 2019 2021*



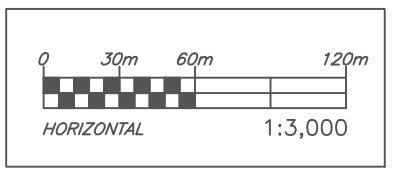
250 m

PHASE ONE
PROPERTY
BOUNDARY

PHASE ONE
STUDY AREA

LEGEND

- - - - PROPERTY BOUNDARY
- - - - PHASE ONE STUDY AREA (250m)



Filename: E:\OTT\OTT-22017859-A0_60_Execution\65 Drawings\Envi\22017859-A0_Env.dwg
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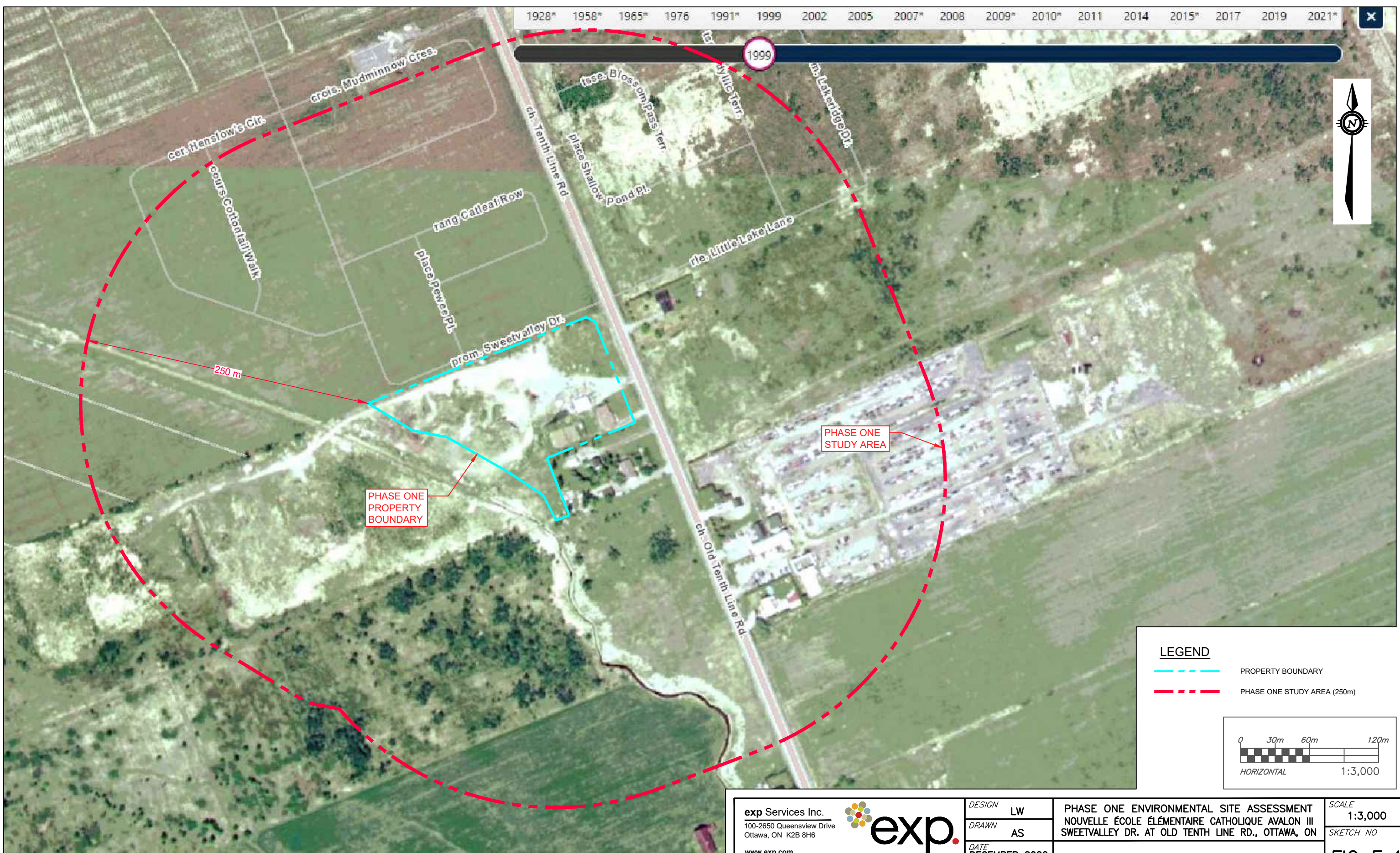
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DRAWN	AS
DATE	DECEMBER 2022
FILE NO	OTT-22017859-A0

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
 NOUVELLE ÉCOLE ÉLÉMENTAIRE CATHOLIQUE AVALON III
 SWEETVALLEY DR. AT OLD TENTH LINE RD., OTTAWA, ON

1991 AERIAL PHOTOGRAPH

SCALE	1:3,000
SKETCH NO	
FIG F-3	

1928* 1958* 1965* 1976 1991* 1999 2002 2005 2007* 2008 2009* 2010* 2011 2014 2015* 2017 2019 2021*



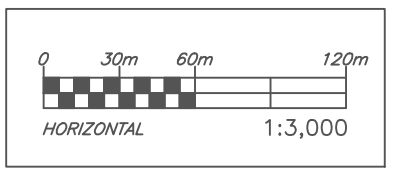
PHASE ONE
PROPERTY
BOUNDARY

PHASE ONE
STUDY AREA

250 m

LEGEND

- - - PROPERTY BOUNDARY
- - - PHASE ONE STUDY AREA (250m)



Filename: E:\OTT\22017859-A0\60_Execution\65 Drawings\Envi\22017859-A0_Env.dwg
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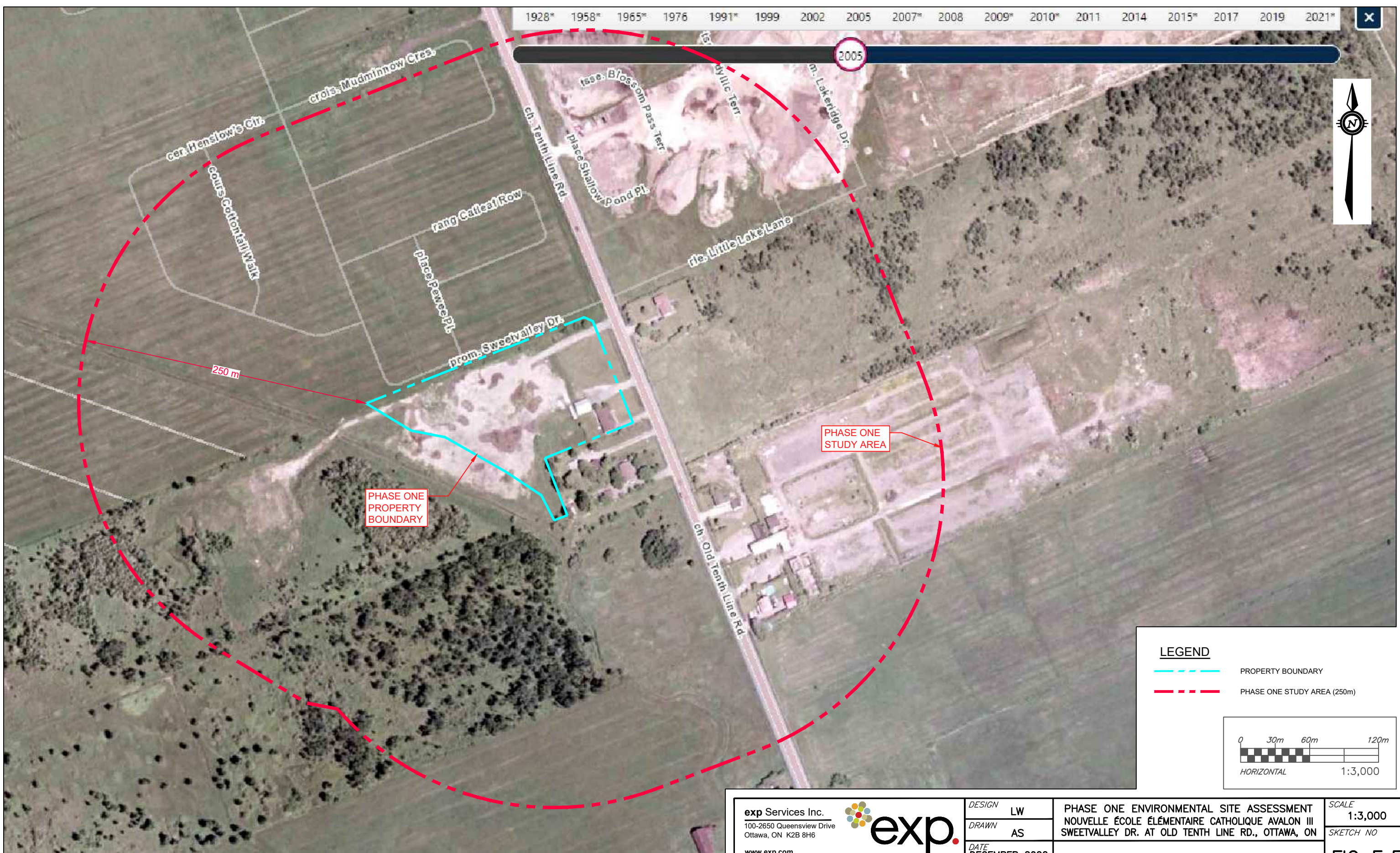
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 NOUVELLE ÉCOLE ÉLÉMENTAIRE CATHOLIQUE AVALON III
 SWEETVALLEY DR. AT OLD TENTH LINE RD., OTTAWA, ON

SCALE 1:3,000
 SKETCH NO

1999 AERIAL PHOTOGRAPH

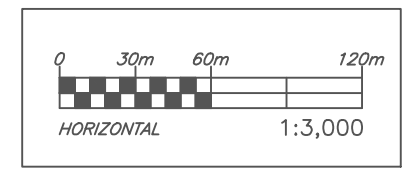
FIG F-4

1928* 1958* 1965* 1976 1991* 1999 2002 2005 2007* 2008 2009* 2010* 2011 2014 2015* 2017 2019 2021*



LEGEND

- - - - - PROPERTY BOUNDARY
- - - - - PHASE ONE STUDY AREA (250m)



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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
NOUVELLE ÉCOLE ÉLÉMENTAIRE CATHOLIQUE AVALON III
SWEETVALLEY DR. AT OLD TENTH LINE RD., OTTAWA, ON

SCALE 1:3,000
SKETCH NO

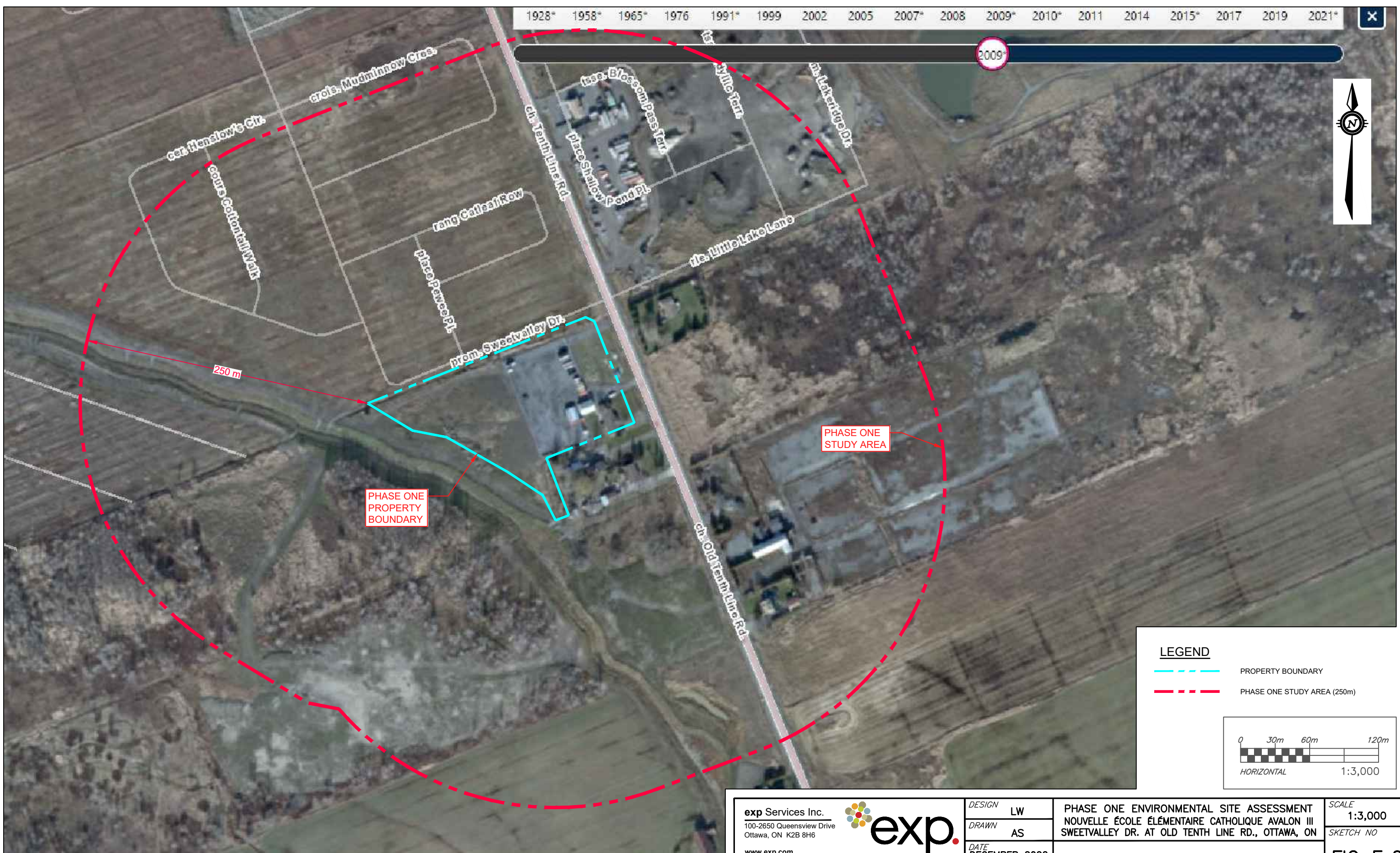
2005 AERIAL PHOTOGRAPH

FIG F-5

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1928* 1958* 1965* 1976 1991* 1999 2002 2005 2007* 2008 2009* 2010* 2011 2014 2015* 2017 2019 2021*

2009*



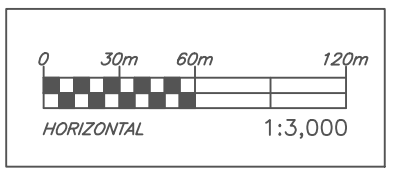
PHASE ONE
PROPERTY
BOUNDARY

PHASE ONE
STUDY AREA

250 m

LEGEND

- - - PROPERTY BOUNDARY
- - - PHASE ONE STUDY AREA (250m)



Filename: E:\OTT\22017859-A0\60_Execution\65 Drawings\Envi\22017859-A0_Env.dwg
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DATE	DECEMBER 2022
FILE NO	OTT-22017859-A0

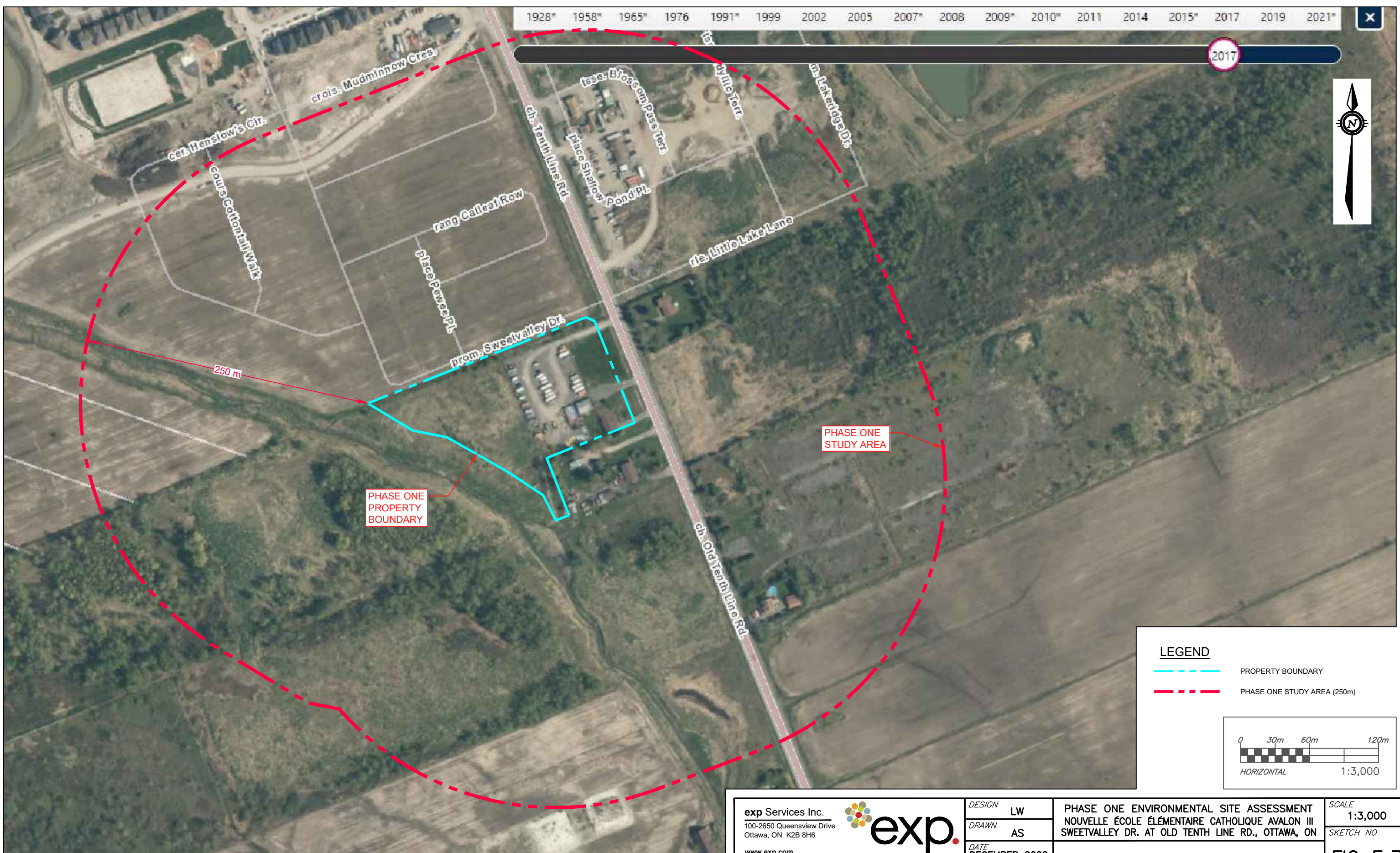
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 NOUVELLE ÉCOLE ÉLÉMENTAIRE CATHOLIQUE AVALON III
 SWEETVALLEY DR. AT OLD TENTH LINE RD., OTTAWA, ON

2009 AERIAL PHOTOGRAPH

SCALE
 1:3,000
 SKETCH NO
FIG F-6

1928* 1958* 1965* 1976 1991* 1999 2002 2005 2007* 2008 2009* 2010* 2011 2014 2015* 2017 2019 2021*

2017



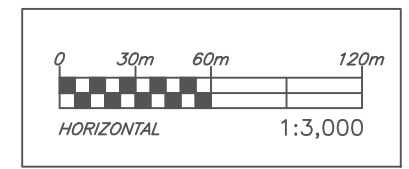
PHASE ONE
PROPERTY
BOUNDARY

PHASE ONE
STUDY AREA

250 m

LEGEND

- - - - PROPERTY BOUNDARY
- - - - PHASE ONE STUDY AREA (250m)



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DESIGN LW
 DRAWN AS
 DATE DECEMBER 2022
 FILE NO OTT-22017859-A0

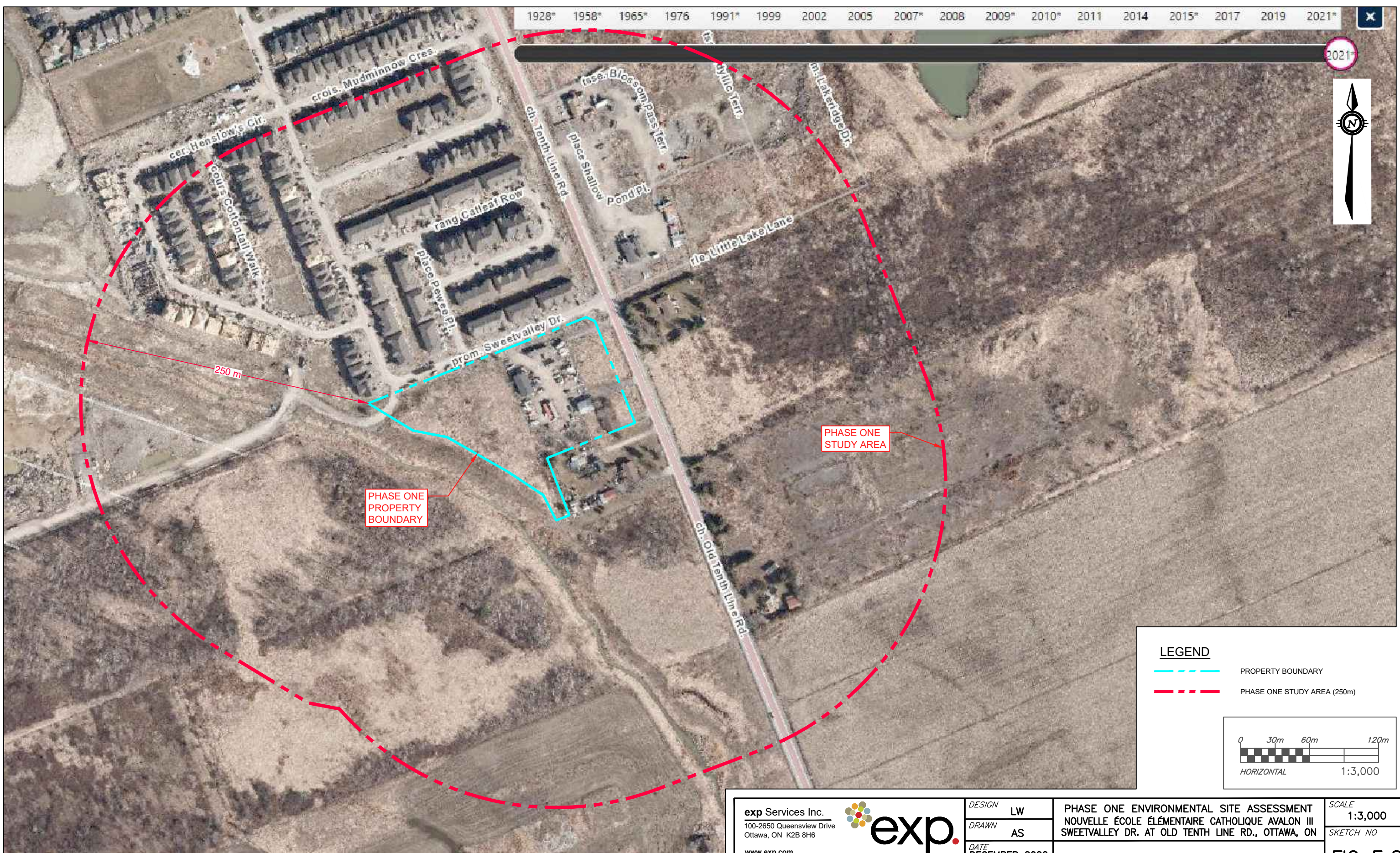
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 SWEETVALLEY DR. AT OLD TENTH LINE RD., OTTAWA, ON

 2017 AERIAL PHOTOGRAPH

SCALE 1:3,000
 SKETCH NO
FIG F-7

1928* 1958* 1965* 1976 1991* 1999 2002 2005 2007* 2008 2009* 2010* 2011 2014 2015* 2017 2019 2021*

2021*



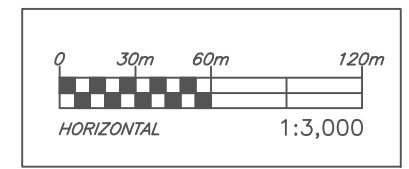
PHASE ONE
PROPERTY
BOUNDARY

PHASE ONE
STUDY AREA

250 m

LEGEND

- - - PROPERTY BOUNDARY
- - - PHASE ONE STUDY AREA (250m)



Filename: E:\OTT\OTT-22017859-A0\60_Execution\65 Drawings\Envi\22017859-A0_Env.dwg
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DATE	DECEMBER 2022
FILE NO	OTT-22017859-A0

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
 NOUVELLE ÉCOLE ÉLÉMENTAIRE CATHOLIQUE AVALON III
 SWEETVALLEY DR. AT OLD TENTH LINE RD., OTTAWA, ON

2021 AERIAL PHOTOGRAPH

SCALE	1:3,000
SKETCH NO	FIG F-8

Appendix G: Site Photographs



Photograph No. 1

View of the front of the vacant residence.



Photograph No. 2

Vent/fill pipes for an interior AST on the southwest side of the residence.



Photograph No. 3

Flooded walkout basement area of the residence.



Photograph No. 4

Diesel fuel AST on the north side of the workshop.



Photograph No. 5

Surface well on the west side of the workshop building.



Photograph No. 6

View of the front of the workshop (east side).



Photograph No. 7

Mattamy sales office on the north side of the Phase One property.



Photograph No. 8

View of the construction trailers and residential construction to the northeast

EXP Services Inc.

*Conseil des écoles catholiques du Centre-est (CECCE)
Phase One Environmental Site Assessment
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Photograph No. 9

View of the field on the west part of the Phase One property and adjacent residential properties.

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