



Phase One Environmental Site Assessment

1533 and 1541 St. Joseph Blvd, Orleans, Ontario

Sienna Senior Living

20 February 2026

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1. Executive Summary

GHD Limited (GHD) was retained by Sienna Senior Living (Sienna) to conduct a Phase One Environmental Site Assessment (ESA) of the long-term care facility located at 1541 St. Joseph Blvd (1541 Property parcel) and the adjacent vacant property located at 1533 St. Joseph Blvd (1533 Property parcel), in Orleans, Ontario (hereinafter collectively as referred to as the "Property" or "Site").

GHD understands that the Phase One ESA was completed for environmental due diligence purposes to support a Site Plan Control (SPC) application that is going to be submitted to the City of Ottawa for a new development application. Section 5 of the SPC requires the above studies to be completed in accordance with the requirements of Ontario Regulation (O. Reg.) 153/04. Additionally, GHD understands that a Record of Site Condition (RSC) is not required to be filed as part of the new development, as there is no change in the current land use to a more sensitive land use. A Phase I ESA of the Site was completed by GHD in September 2024 in general accordance with the document entitled, "CSA Standard Z768-01, Phase I Environmental Site Assessment" for conducting environmental assessments.

The purpose of the Phase One ESA was to identify, through a non-intrusive investigation, the existence of any PCAs and APECs associated with the Site. PCAs and APECs are defined in O. Reg. 153/04. It is GHD's understanding that the Phase One ESA was completed to support the SPC application.

The Site is located in Orleans, a suburb of the City of Ottawa, Ontario, that has been developed for residential and/or agricultural purposes from prior to the 1950s.

The 1541 Property parcel is approximately 2.48 hectares in size and contains a 3-storey slab-on-grade long-term care building located on the southern portion of the property. Based on discussions with the Site representatives and the review of historical records, the building was constructed in 2007 and has a footprint of approximately 3,200 square metres (34,440 square feet). The 1541 Property parcel has been owned by Sienna since 2012, was owned by Season's Retirement Living from 2009 to 2012, and was owned by Chartwell Senior Housing REIT prior to 2009. The long-term care operations continued from 2007 until the summer of 2023, when the building was vacated. The site building contains 160 private and semi-private residential units (each containing a bedroom and washroom) located on floors one through three. Each floor also contains dining areas, sitting areas, activity rooms, nurse's stations, shower rooms, utility rooms, and office space. The first level also contains a commercial kitchen, a staff laundry room, storage rooms, mechanical/electrical rooms, a generator room, a maintenance room, staff rooms, and several common areas, including a hair salon, a chapel, a multi-purpose room, a café, and a reception area. A wooden shed is located northwest of the site building and was previously utilized for storage. Site conditions observed at the Site in January 2026 were generally similar to the September 2024 Phase I ESA, with the exception of the preliminary demolition work; many of the areas within the site building have been stripped of function. Electricity within the site building does not provide lighting for minor areas such as the generator room and many mechanical and utility closets. The entrance to the administration area is closed off with a tarp, citing the site building as an active construction zone.

The 1533 Property parcel is approximately 1.19 hectares and is currently vacant land (since 2005). The 1533 Property parcel has been owned by Sienna since 2025, was owned by Season's Retirement Living from 2009 to 2025, and was previously owned by Chartwell Senior Housing REIT prior to 2009. The 1533 Property parcel was developed with a 2-storey long-term care facility (former Madonna Nursing Home), which was constructed in 1958 and demolished in 2005. The building located on the 1533 Property parcel had a partial basement beneath the central and eastern portions of the building. The 1533 Property parcel consists of granular roadway material with sections of trees and vegetation interspersed between access roads.

Based on the results of the Phase One ESA, including the Site reconnaissance, information provided by Site representatives and regulatory agencies, documents reviewed, the review of Site history, and review of information from the regulatory agencies, the following APECs were identified to be associated with the Site.

- **APEC #1 – Former Fuel Oil Underground Storage Tank (1533 Property parcel):** Based on a review of historical reports provided for GHD's review, a former fuel oil UST was reportedly located along the south side of the former building located on the 1533 Property parcel. The UST was reported to be leaking based on

information provided in the Ontario Spill (SPL) database. The UST was removed from the 1533 Property parcel around 1992/1993. An environmental investigation was conducted on January 24, 2005, by the Paterson Group of Ottawa to investigate the potential for environmental impacts related to the former UST. Two boreholes were advanced by Paterson Group to depths ranging between 1.8 metres below ground surface (mBGS) and 4.4 mBGS, and a monitoring well was installed in the deeper borehole. Petroleum-related compounds were analyzed in soil and groundwater samples, and were not detected in the samples. The environmental report reviewed by GHD did not include a copy of the figures that identify the location of the drilled monitoring wells. Additionally, as noted in the Paterson report, boreholes were not placed in the area of the tank nest as native till was encountered at each location. As such, GHD is unable to confirm if the investigations completed were appropriate to investigate any potential environmental impact related to the operation of the UST. The presence of a former underground fuel oil storage tank is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks), in accordance with O. Reg 153/04. As such, the area surrounding the former UST on the 1533 Property parcel was identified as **APEC #1**.

- **APEC #2 – Diesel Powered Backup Generator with Aboveground Storage Tank (1541 Property parcel):** One diesel-powered backup generator is located in the generator room in the western portion of the site building (first level). Diesel for the backup generator is stored within the lower portion of the generator in an integrated 450-L steel-walled aboveground storage tank (AST). The presence of the diesel-powered backup generator and associated AST is a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks), in accordance with O. Reg 153/04. As such, the area surrounding the diesel generator AST on the 1541 Property parcel was identified as **APEC #2**.
- **APEC #3 – Former Fuel ASTs (off-Site; 1501 St. Joseph Blvd):** The western adjacent 1501 St. Joseph Blvd property was historically used as farmland since the late 1800s, and the remaining farmland structures are owned by the National Capital Commission (NCC), a federal agency. Based on the information presented on the Federal Contaminated Sites Inventory (FCSI)¹, approximately 53 cubic meters of contaminated soil were remediated from this property. The FCS identified benzene, toluene, ethylbenzene, and xylene (BTEX), polycyclic aromatic hydrocarbons (PAHs), and petroleum hydrocarbons (PHCs) in soil and/or groundwater media. No additional information was presented in the records. The Site status was listed as closed with no further action required. Additionally, the MECP well record, well tag A033413, dated July 7, 2006, showed a cluster of four (4) monitoring wells installed at the 1501 St. Joseph Blvd property. A Borehole/Monitoring Well Locations map is attached to the well record; this map depicts the presence of four (4) former fuel ASTs and three (3) operational ASTs. Due to the proximity to the Site and the expected groundwater flow direction in a northerly direction, these historic ASTs have been identified as an off-site PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) potentially contributing to an APEC along a portion of the western Property boundary of the 1533 Property parcel, in accordance with O. Reg 153/04. As such, the area along the western portion of the 1533 Property parcel was identified as **APEC #3**.
- **APEC #4 – Potential Pesticide Use:** Based on aerial imagery and discussions with the Site Representative, the southern portion of the Site was used for agricultural purposes until development with the current and former structures. No information was available regarding the crops historically grown at the Site, or to exclude the potential for pesticide use as part of historic agricultural practices. Pesticides are highly persistent chemicals, so any historic application can still be present at the Site. The potential application of pesticides has been identified as a PCA at the Site (#40 – Pesticides [including Herbicides, Fungicides and Anti-Fouling Agents] Manufacturing, Processing, Bulk Storage and Large-Scale Applications). The potential historic application of pesticides has been identified as **APEC #4** on the southern portion of the Site.
- **APEC #5 – Pad Mounted Transformer (1533 Property parcel):** Electricity is supplied to the 1541 Property parcel by Hydro Ottawa via a pad-mounted electrical transformer located on the 1533 Property parcel. No other utility services are present at the 1533 Property parcel. No evidence of spills or releases was identified to be associated with the transformer, and no staining was observed by GHD on the exterior surfaces surrounding the transformer at the time of the Site reconnaissance. The presence of a transformer on the 1533 Property parcel is

¹ Site 00022878 - 1501 St. Joseph, Ottawa (tbs-sct.gc.ca)

a PCA (#55 - Transformer Manufacturing, Processing and Use) in accordance with O Reg. 153/04. As such, the area surrounding the pad mount transformer on the 1533 Property parcel was identified as **APEC #5**.

- **APEC #6 – Fill Materials of Unknown Quality:** The Site was initially developed in the 1950s, including a parking area for the former Madonna Nursing Home and associated buildings on the 1533 Property parcel. During the 2024 soil and groundwater investigation completed by GHD, evidence of fill soils consisting of gravelly sand, along with construction debris were observed within the footprint of the former building foundation. It is expected that fill materials were used during the grading of the Site. The potential placement of fill materials located on the central portion of the Property was identified as a PCA (#30 – Importation of Fill Material of Unknown Quality) in accordance with O. Reg. 153/04. As such, the entirety of the current and formerly developed portion of the Property was identified as **APEC #6**.
- **APEC #7 – Road Salt Use:** The paved and unpaved exterior portions of the Site are maintained during the winter by a snow removal contractor. It is anticipated that the snow removal contractor uses de-icing agents around the Site exterior as part of their maintenance operations. Road salt has been applied on the 1533 and 1541 parking areas at the Site as well as along adjacent/nearby roadways during winter months for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both. Bulk salt has not been stored at the Site. The application of road salt on-Site and in the vicinity of the Site has the potential to result in elevated sodium adsorption ratio (SAR) and electrical conductivity (EC) in soil, and sodium and chloride in groundwater, and would have the potential to contribute to an APEC at the Site. The application of de-icing agents was identified as **APEC #7** on the exterior portion of the Property.

2. Introduction

2.1 Phase One ESA Property Information

GHD Limited (GHD) was retained by Sienna Senior Living (Sienna) to conduct a Phase One Environmental Site Assessment (ESA) of the long-term care facility located at 1541 St. Joseph Blvd (1541 Property parcel) and the adjacent vacant property located at 1533 St. Joseph Blvd (1533 Property parcel), in Orleans, Ontario (hereinafter collectively as referred to as the "Property" or "Site"). A Site Location Map and a Site Plan are shown on **Figure 1** and **Figure 2**, respectively.

GHD understands that the Phase One ESA was completed for environmental due diligence purposes to support a Site Plan Control (SPC) application that is going to be submitted to the City of Ottawa for a new development application. Section 5 of the SPC requires the above studies to be completed in accordance with the requirements of Ontario Regulation (O. Reg.)153/04. Additionally, GHD understands that a Record of Site Condition (RSC) is not required to be filed as part of the new development, as there is no change in the current land use to a more sensitive land use. A Phase I ESA of the Site was completed by GHD in September 2024 in general accordance with the document entitled, "CSA Standard Z768-01, Phase I Environmental Site Assessment" for conducting environmental assessments.

The purpose of the Phase One ESA was to identify, through a non-intrusive investigation, the existence of any PCAs and APECs associated with the Site. PCAs and APECs are defined in O. Reg. 153/04. It is GHD's understanding that the Phase One ESA was completed to support the SPC application.

Contact information for the representative of the Property owner is listed below:

Mr. Rudy Hanel
Senior Director, Planning, Sienna Senior Living
302 Town Centre Blvd, Suite 300
Markham, Ontario L3R 0E8
(437) 778-4779
Rudy.Hanel@siennialiving.ca

The Site is located in Orleans, a suburb of the City of Ottawa, Ontario, that has been developed for residential and/or agricultural purposes from prior to the 1950s.

The 1541 Property parcel is approximately 2.48 hectares in size and contains a 3-storey slab-on-grade long-term care building located on the southern portion of the property. Based on discussions with the Site representatives and the review of historical records, the building was constructed in 2007 and has a footprint of approximately 3,200 square metres (34,440 square feet). The 1541 Property parcel has been owned by Sienna since 2012, was owned by Season's Retirement Living from 2009 to 2012, and was owned by Chartwell Senior Housing REIT prior to 2009. The long-term care operations continued from 2007 until the summer of 2023, when the building was vacated. The site building contains 160 private and semi-private residential units (each containing a bedroom and washroom) located on floors one through three. Each floor also contains dining areas, sitting areas, activity rooms, nurse's stations, shower rooms, utility rooms, and office space. The first level also contains a commercial kitchen, a staff laundry room, storage rooms, mechanical/electrical rooms, a generator room, a maintenance room, staff rooms, and several common areas, including a hair salon, a chapel, a multi-purpose room, a café, and a reception area. A wooden shed is located northwest of the site building and was previously utilized for storage. Site conditions observed at the Site in January 2026 were generally similar to the September 2024 Phase I ESA, with the exception of the preliminary demolition work; many of the areas within the site building have been stripped of function. Electricity within the site building does not provide lighting for minor areas such as the generator room and many mechanical and utility closets. The entrance to the administration area is closed off with a tarp, citing the site building as an active construction zone.

The 1533 Property parcel is approximately 1.19 hectares and is currently vacant land (since 2005). The 1533 Property parcel has been owned by Sienna since 2025, was owned by Season's Retirement Living from 2009 to 2025, and was previously owned by Chartwell Senior Housing REIT prior to 2009. The 1533 Property parcel was developed with a 2-

storey long-term care facility (former Madonna Nursing Home), which was constructed in 1958 and demolished in 2005. The building located on the 1533 Property parcel had a partial basement beneath the central and eastern portions of the building. The 1533 Property parcel consists of granular roadway material with sections of trees and vegetation interspersed between access roads.

3. Scope of Investigation

The Phase One ESA was conducted in accordance with the requirements of O. Reg. 153/04. The Phase One ESA was conducted by Mr. Matthew Rousina-Webb and was reviewed by Mr. Aditya Khandekar and Mr. Greg Brooks, all of GHD. The qualifications of the above-referenced staff are presented in **Appendix A**. The following tasks were conducted as part of the Phase One ESA:

- Review of an electronic environmental database search of federal, provincial, and private source databases.
- Review of available historical records including aerial photographs of the Site and surrounding area and regional geological information.
- Review of past and current Property usage and adjacent property occupancy.
- Inspection of the facilities, equipment, utility services, operations, and associated records for the Site.
- Observations of any conditions that represented potential environmental concerns.
- Review of chemical use and storage, and spill/release incidents.
- Review of aboveground and underground storage tank records.
- Review of waste handling, accumulation, storage, and disposal practices.
- Review of air emissions and wastewater discharges.
- Review of equipment that potentially contains chlorofluorocarbons.
- Review of equipment that potentially contains polychlorinated biphenyls.
- Observations of potential lead-based paint.
- Observations of potential asbestos-containing materials.
- Inquiries with regulatory agencies and interviews with persons knowledgeable of the Site and Site operations.

In completing the Phase One ESA, GHD relied on information received from all parties as being accurate unless contradicted by written documentation or field observations.

The following report summarizes the information gathered by GHD during the Phase One ESA and identifies any PCAs, as defined in O. Reg. 153/04, within the Phase One ESA study area, as well as any APECs associated with the Site. As required by O. Reg. 153/04, this Phase One ESA also identifies any potential contamination migration pathways and receptors associated with the Property, to the extent that the data compiled allows.

This Phase One ESA report has been prepared for the use of Sienna and may not be relied upon by others without the written consent of GHD.

4. Records Review

4.1 General

4.1.1 Phase One ESA Study Area Determination

The Site is located in an area of Ottawa that has been developed for residential and/or agricultural purposes since the 1950s.

The Phase One ESA study area included all properties located wholly or partially within 250 metres (m) of the boundary of the Site, as required by O. Reg. 153/04. This area has been determined by GHD to be a sufficient study area since the assessment did not identify any properties with known environmental impact or high potential to impact the Site from a distance of greater than 250 m.

The properties adjacent to the Site were visually inspected, without accessing the properties, for evidence of existing or potential environmental concerns related to the Phase One ESA. GHD also visually inspected all of the Properties within the Phase One ESA study area that were visible from the Site or surrounding streets. The following buildings or features were located on the properties surrounding the Site (**Figure 3**):

- North:** The Site is bounded to the north by a golf course (1485 St. Joseph Blvd), followed by The Queensway (Ottawa Road 174).
- East:** The Site is bounded to the east by wooded land and a golf course (1485 St. Joseph Blvd).
- South:** The Site is bounded to the south by St. Joseph Blvd followed by Forest Valley Terrace retirement residence (1510 St. Joseph Blvd). A Royal Canadian Mounted Police (RCMP) technical and protective operations facility is located approximately 75 m southwest of the Site at 1426 St. Joseph Blvd.
- West:** The Site is bounded to the west by agricultural land and farmstead structures (1501 St. Joseph Blvd).

The Site representative was not aware of any environmental impacts to the Site attributable to operations conducted on adjacent lands. No visual evidence of any adverse environmental impact to the Site attributable to operations conducted on adjacent properties was observed by GHD during the Site reconnaissance.

Based on a review of historical records, the western adjacent 1501 St. Joseph Blvd property was historically used as farmland since the late 1800s, and the remaining farmland structures are owned by the National Capital Commission (NCC), a federal agency. Based on the information presented on the Federal Contaminated Sites Inventory (FCSI)², approximately 53 cubic meters of contaminated soil were remediated from this property. The FCS identified benzene, toluene, ethylbenzene, and xylene (BTEX), polycyclic aromatic hydrocarbons (PAHs), and petroleum hydrocarbons (PHCs) in soil and/or groundwater media. No additional information was presented in the records. The Site status was listed as closed with no further action required. Additionally, the MECP well record, well tag A033413, dated July 7, 2006, showed a cluster of four (4) monitoring wells installed at the 1501 St. Joseph Blvd property. A Borehole/Monitoring Well Locations map is attached to the well record; this map depicts the presence of four (4) former fuel ASTs and three (3) operational ASTs. Due to the proximity to the Site and the expected groundwater flow direction in a northerly direction, these historic ASTs have been identified as an off-site PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) potentially contributing to an APEC along a portion of the western Property boundary of the 1533 Property parcel, in accordance with O. Reg 153/04. As such, the area along the western portion of the 1533 Property parcel was identified as **APEC #3**.

4.1.2 First Developed Use Determination

Based on discussions with the Site representatives, the 1533 Property parcel was agricultural and wooded land from prior to 1958 until it was developed with the former Madonna Nursing Home. The southern portion of the 1533 Property parcel was developed with a parking lot and driveway associated with the Madonna Nursing Home building. The Madonna Nursing Home was demolished around 2005, and the property has remained as an unpaved parking area since. The 1541 Property parcel was developed with a long-term care facility in 2007. The long-term care facility remained operational until the summer of 2023, when the building was vacated. The building has remained vacant since 2023 and is currently undergoing renovation.

4.1.3 Fire Insurance Information

Fire insurance plans assist in the identification of historical land use and commonly indicate the existence and location of aboveground and underground storage tanks, structures, improvements, and facility operations. GHD contracted

² Site 00022878 - 1501 St. Joseph, Ottawa (tbs-sct.gc.ca)

Opta Information Intelligence (Opta) through ERIS to search for any available fire insurance plans that include the area of the Site, and all available fire insurance information for the Property (i.e., inspection reports and Site plans). Opta did not identify FIPs, inspection reports, and/or Site-specific plans to be available for the Site. A copy of the fire insurance correspondence is included in **Appendix B**.

4.1.4 Chain of Title

A Property Title search was not completed as part of the Phase One ESA. GHD reviewed Property occupancy/ownership through historical records and discussions with the Site representatives.

The 1541 Property parcel has been owned by Sienna since 2012, was owned by Season’s Retirement Living from 2009 to 2012, and was owned by Chartwell Senior Housing REIT prior to 2009. The 1533 Property parcel has been owned by Sienna since 2025, was owned by Season’s Retirement Living from 2009 to 2025, and was previously owned by Chartwell Senior Housing REIT prior to 2009.

4.1.5 Historical City Directory Records

GHD contracted ERIS to complete a city directories search of the Site to assist in the identification of previous occupants of the Property. Directories were available and were reviewed by ERIS at approximately 5-year intervals beginning in 1991 and ending in 2023.

A summary of the historical city directories search associated with the 1533 Property parcel is provided below:

Year(s)	Occupant(s)
1960 - 1987	Address not listed
1991 - 2012	Madonna Nursing Home
2017	Amicone Design Build Inc.

A summary of the historical city directories search associated with the 1541 Property parcel is provided below:

Year(s)	Occupant(s)
1991-2007	Address not listed
2012	No listing found
2017	Madonna Long-Term Residence
2021-2023	Madonna Care Community, Leisure World-Madonna

Residential listings were identified for the addresses associated with the adjacent properties. The historical city directory search results for the Site and adjacent property addresses are provided in **Appendix C**.

4.1.6 Previous Environmental Reports

The following previous environmental reports were identified to exist and were reviewed during this Phase One ESA:

- Phase I-II Environmental Site Assessment, Madonna Nursing Home, 1533 St. Joseph Blvd, Ottawa, Ontario, prepared by Paterson Group for Chartwell Seniors Housing REIT and Sedun & Kanerva Architects, dated February 9, 2005.
- Phase I Environmental Site Assessment Update, 1533 and 1541 St. Joseph Blvd, Ottawa, prepared by Paterson Group for Amico, dated June 11, 2012.
- Phase I ESA, 1533 and 1541 St. Joseph Blvd, Ottawa, prepared by GHD for Sienna, dated September 2024.
- Soil and Groundwater Investigation, 1533 and 1541 St. Joseph Blvd, Ottawa, prepared by GHD for Sienna, dated December 2024.

Paterson Group - Phase I/II ESA (2005)

The following summary was prepared by GHD based on the review of the report prepared for the 1533 St. Joseph Blvd property:

- The property contained a 2-storey long-term care facility. The building comprised of an east and a west wing, with a basement beneath the central portion of the building. A 2-storey addition with a basement level was reportedly made to the east wing in 1980. The building was constructed with a concrete foundation and finished on the exterior with brick. The roof was flat, tar and gravel style. The building was developed with the original subject structure in the late 1950's or early 1960's. The building was heated with a combination of a natural gas-fired boiler and electricity at the time of Site reconnaissance. The building was initially heated with a fuel oil-fired boiler. A natural gas-fired backup generator was located at the rear (north) of the building. A former UST for storing fuel oil was reportedly located near the front (south) of the building, just west of the first-floor lounge area used for the fuel oil-fired boiler. According to Paterson Group, plans depicting the exact location of the UST were not available.
- According to Paterson Group, a Phase II ESA was conducted to investigate the potential contamination from the former fuel oil tank, which was reportedly located near the front (south) of the building, just west of the first-floor lounge area. Borehole BH1 was completed to a depth of 4.4 metres below ground surface (mBGS), and BH2 was completed to a depth of 1.8 mBGS. A monitoring well was installed in borehole BH1. The lithology indicates that the boreholes were not placed in the area of the tank nest, as native till was encountered. One soil sample and a groundwater sample from BH1 were collected and analyzed for BTEX and PHCs. Soil and groundwater samples were below the laboratory detection limits, and the MECF Table 3 Residential/Institutional soil remediation criteria applicable at the time of investigation. Paterson Group recommended no further investigation.

Paterson Group - Phase I ESA Update (2012)

The following summary was prepared by GHD based on the review of the report prepared for the 1533 and 1541 St. Joseph Blvd property:

- The site was redeveloped in 2007 with the current long-term care facility and contains 130 suites, with either private or shared accommodations. The building was equipped with two (2) natural gas-fired boilers on the ground floor, which distributed domestic hot water throughout the building. There are two (2) additional boilers on each floor to provide water for the radiant heating system in the building. The building had regularly scheduled domestic waste and recycling pick up. A backup generator, located on the ground floor, had an aboveground storage tank associated with it. The tank was attached to the bottom of the generator and was in excellent condition. No odours or staining were noted in the generator room.
- According to Paterson Group, the past and current use of the subject site and neighbouring properties did not have the potential to have significantly impacted the subject site, and a Phase II ESA was not required for the site.

GHD - Phase I ESA (September 2024)

GHD completed a Phase I ESA of the Site in September 2024 in general accordance with the document entitled, "CSA Standard Z768-01. The 1541 Property parcel was developed with the existing long-term care building, which was vacant, and the 1533 Property parcel was vacant land.

The following potential area of environmental impairment was identified to be associated with the historical operations conducted on the 1533 Property parcel.

- **Former Fuel Oil UST:** *The former Madonna Nursing Home was constructed in 1958 and demolished in 2005. Based on review of historical reports provided to GHD, a fuel oil UST was reportedly located along the south side of the former building located on the 1533 Property parcel. The UST was removed from the 1533 Property parcel around 1992/1993. The 1533 Property parcel was listed in the Ontario Spills (SPL) database due to a leak from the UST. An environmental investigation was conducted on January 24, 2005, by the Paterson Group of Ottawa to investigate the potential for environmental impacts related to the former UST. Two boreholes were advanced*

by Paterson Group to depths ranging between 1.8 mBGS and 4.4 mBGS and a monitoring well was installed in the deeper borehole. Petroleum-related compounds were analyzed in soil and groundwater samples and were not detected in the samples collected at the Site. The environmental report reviewed by GHD did not include a copy of figures that identify the location of the drilled monitoring wells. Additionally, as noted in the Paterson report, boreholes were not placed in the area of the tank nest as native till was encountered at each location. As such GHD is unable to confirm if the investigations completed were appropriate to investigate any potential environmental impact related to the operation of the UST.

GHD - Soil and Groundwater Investigation (December 2024)

- As a historic UST was identified on 1533 St. Joseph Blvd, GHD conducted a field investigation on October 31, 2024, to determine the soil quality on the south side of the former building that may be in the area of the former UST. The field investigation involved the advancement of eight (8) hydro-excavated test pits to depths ranging from 0.91 mBGS to 2.44 mBGS. A monitoring well (BH3), installed during the geotechnical investigation conducted by Sienna's geotechnical consultant, was utilized to collect groundwater level measurements and determine groundwater depth. Soil and groundwater samples were collected and submitted for laboratory analysis.
- Gravel with sand (fill) was encountered in all locations below the surface. Construction debris consisting of broken concrete, wood panels (lumber fragments), broken piping/cables, and sheet metal was observed in the fill soils in test pit TP-04 advanced within the footprint of the former building foundation, suggesting that some demolition debris has been used as fill at the Site. Site stratigraphy consisted of gravel with sand fill, underlain by silty sand fill to approximately 1.52 mBGS, below which native glacial till with cobbles and boulders was encountered. The applicable Site Condition Standard (SCS) was determined to be Table 3: Full Depth Generic Site Condition Standards for coarse-textured soils in a Non-Potable Groundwater Condition for RPI property uses (2011 MECP Table 3 Standards). Soil samples were analyzed for BTEX and PHCs, and all concentrations were below the applicable standards. The soil and groundwater investigation did not identify any environmental impacts related to the former fuel oil UST reportedly located along the south side of the former building at 1533 St. Joseph Blvd.

Copies of the previous environmental reports (with the exception of the GHD reports) are included in **Appendix D**.

4.2 Regulatory Review

No concerns, complaints, notices of violation, or directives of an environmental nature issued against the Site by federal, provincial, or municipal environmental regulatory agencies have been disclosed to GHD.

A Freedom of Information (FOI) request was submitted to the MECP, requesting information pertaining to environmental incidents, orders, offences, spills, discharges of contaminants, or inspections for the Phase One Property. A confirmation of receipt (File # A-2021-06961) was received on January 28, 2026. A response has not yet been received from the MECP regarding the FOI request, at the time this Phase One ESA was prepared. If the MECP file search identifies any conditions that would change the findings of this report, GHD will notify Sienna.

The Technical Standards and Safety Authority (TSSA) was contacted by GHD and asked to provide information concerning any licensed retail fuel outlets or registered private fuel outlets located at the Site. TSSA personnel provided e-mail correspondence to GHD indicating that their records did not identify the presence of any licensed or registered underground storage tanks (USTs) within their database associated with the Site.

A copy of the correspondence with the regulatory agencies is included in **Appendix E**.

4.2.1 Environmental Databases Search

GHD contracted Environmental Risk Information Services Ltd. (ERIS) to conduct a search of available federal, provincial, and private environmental databases. Based on the municipal addresses of the Site, the databases search was completed to assist in the identification of environmental conditions at the Site and on adjacent properties. Eight (8) records were identified in the environmental databases to be associated with the Site. Sixty-eight (68) records were

identified to be associated with properties located within the Phase One ESA study area. The complete database search report, which also identifies limitations associated with this information, is included in **Appendix F**.

The following information was identified in the ERIS report for the Property:

- One (1) record was identified for the Site in the Environmental Compliance Approval (ECA) database under Amico Properties Inc. (Amico) in 2014 for the 1541 Property parcel. The record pertained to approval for the addition of stormwater management works comprising of storm sewers in the easement along the east and west portions of the Madonna long-term care facility and a culvert along the southeastern entrance to the facility. An underground infiltration chamber was proposed in the easement located along the west side of the existing Madonna long-term care facility parking lot.
- Two (2) records were identified for the Site in the ECA database for the 1533 Property parcel. One record associated with Amico in 2014 pertained to approval for the addition of stormwater management works comprising of storm sewers, rooftop storage, and an underground infiltration chamber. One record associated with 2052740 Ontario Inc. in 2008 pertained to approval for eight natural gas-fired boilers, two make-up air units, three air conditioning units, and one standby diesel generator set.
- One (1) record was identified in the Certificates of Approval (CA) database dated January 10, 2008, associated with the 1533 Property parcel and pertained to approval for installation of natural gas-fired boilers, makeup air units, air conditioning units, and a standby diesel generator. The records appear to be related to the current long-term care building on the 1541 Property parcel.
- One (1) record was identified in the Ontario Spills (SPL) database dated July 3, 1990, associated with the 1533 Property parcel. The record pertained to a leaking underground furnace oil tank associated with Madonna Nursing Home. Refer to section 2.2.5 for additional details.
- One (1) record was identified in the Ontario Regulation 347 Waste Generators Summary (GEN) database associated with the 1533 Property parcel. Madonna Nursing Home was identified as a generator (no. ON1480500) in 1992-1994. No information about the type of waste generated was provided.
- One (1) record was identified in the Ontario Regulation 347 Waste Generators Summary (GEN) database associated with the 1533 Property parcel. Aspira Lincoln Park Retirement Living was identified as a generator (no. ON001071059) in 2024. The record was related to the disposal of purge water under waste class 146 L – other specified inorganics.

Based on the review of the information provided in the environmental databases search report, PCAs identified within the Phase One ESA study area are summarized in the table below:

Property Address(es)	Referenced Database(s)	PCA(s), in accordance with O. Reg. 153/04	PCA(s) contributing to an APEC at the Property (Yes/No/Rationale)
1426 St. Joseph Blvd	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site, and the spilled contaminant being gaseous, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.
Grant Gosselin Quarry (Limestone Quarry)	ERIS AMIS	PCA (35) – Mining, Smelting and Refining; Ore Processing; Tailings Storage	No – Due to the distance from Site and the type of operation (Limestone mining), this property was not identified as contributing to an APEC on Site.
1501 St. Joseph Blvd	ERIS FCS	PCA (C) – Federally Contaminated Site	Yes – The contaminated soil has been remediated according to the record. The record is listed as closed with no further action. The ASTs and related operations

Property Address(es)	Referenced Database(s)	PCA(s), in accordance with O. Reg. 153/04	PCA(s) contributing to an APEC at the Property (Yes/No/Rationale)
			conducted on the 1501 St. Joseph Blvd property are identified as PCA potentially contributing to APEC (APEC #3) on-Site. Refer to Section 4.1.1 for additional details.
Westbound Hwy 417	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site and the inferred groundwater flow direction in a northerly direction, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.
Leitrim and Hawthorne	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site and the inferred groundwater flow direction in a northerly direction, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.
Blair Road, South of Regional Road 174	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site and the inferred groundwater flow direction in a northerly direction, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.
Near Hwy 174 and St. Joseph Blvd	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site, amount of hydraulic fluid released, and the inferred groundwater flow direction in a northerly direction, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.
Royal Canadian Mounted Police HQ	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site and the inferred groundwater flow direction in a northerly direction, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.
National Defence, St. Joseph Blvd	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site and the inferred groundwater flow direction in a northerly direction, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.

4.3 Physical Setting

Review of historical records indicated that the Site is located in an area of Orleans, Ontario, that has been developed for residential and/or agricultural purposes prior to the 1950s.

4.3.1 Aerial Photographs

Aerial photographs and images were reviewed to generally document the development of the Site, and properties in the vicinity of the Site, and to identify the existence of any significant actual or potential areas of environmental impairment at the Site. GHD obtained aerial photographs of the Site and surrounding area from ERIS for the years 1951, 1981, 2005, and 2023. A review of the aerial images is provided below:

1951 Aerial Image (1:10,000): A review of the 1951 aerial image indicates that the Site was vacant agricultural land with an access road intersecting the eastern portion of the Site on the 1541 Property parcel, and wooded land on the northern portion of the Site. No buildings or structures were located on the Site. A road in a similar orientation to St. Joseph Blvd is visible on the adjacent property to the south of the Site. A road in a similar orientation to the Queensway (Ottawa Road 174) is visible approximately 160 m to the north of the Site. The surrounding land use was either vacant or agricultural land. Farmstead structures were visible further to the south and west of the Site.

1981 Aerial Image (1:10,000): A review of the 1981 aerial image indicates that the access road intersecting the Site is no longer visible. A building consistent with the former Madonna Nursing Home was constructed on the 1533 Property parcel, a portion of which encroaches on the western portion of the 1541 Property parcel. A parking lot and driveway associated with the nursing home building were constructed on the western portion of the 1541 Property parcel. A building was developed south of the Site, similar to the present-day retirement residence building at 1510 St. Joseph Blvd. Farmstead structures were developed to the west of the Site, similar to their present-day configuration. Several buildings and driveways were developed on the RCMP property located approximately 75 m southwest of the Site at 1426 St. Joseph Blvd. The Queensway (Ottawa Road 174) and St. Joseph Blvd are visible, similar to their present-day configuration.

2005 Aerial Image (1:10,000): A review of the 2005 aerial image indicates that conditions at the Site were similar to those observed on the 1981 aerial image. A large building, parking lots, and smaller buildings similar to their present-day configuration were constructed on the RCMP property located approximately 75 m southwest of the Site at 1426 St. Joseph Blvd. Commercial or industrial buildings were developed further east of the Site, and a residential subdivision was constructed further northeast of the Site.

2023 Aerial Image (1:10,000): A review of the 2023 aerial image indicates that the 1541 Property parcel was developed with the present-day site building and parking lot on the southern portion. The Madonna Nursing Home building on the 1533 Property parcel was demolished and is no longer visible; it was replaced with an unpaved parking area. A golf course was developed adjacent to the north and east of the Site at 1485 St. Joseph Blvd. There were no changes in the land use on the remaining adjacent properties to the west and south of the Site.

GHD also reviewed aerial photography of the Site and surrounding area for 1958, 1965, and several years in the 2000s. GHD reviewed aerial imagery from the City of Ottawa GeoOttawa website (<https://maps.ottawa.ca/geoOttawa/>), which indicated that the building on the 1533 Property parcel was constructed in 1958 and an associated driveway was constructed in the southwest corner of the Site prior to 1965. GHD reviewed aerial imagery from Google Earth, which indicated that the Site was developed with the present-day site building at the 1541 Property parcel in 2007, and the 1533 Property parcel building was demolished in 2005. No significant additions have been made to the Site since 2007.

Based on the review of the aerial photographs and images, the following PCAs were identified to be associated with the Site or with properties located within the Phase One ESA study area.

- Based on aerial imagery and discussions with the Site Representative, the southern portion of the Site was used for agricultural purposes until development with the current and former structures. The potential use of pesticides associated with the land was identified as a PCA (#40 – Pesticides (Including Herbicides, Fungicides and anti-fouling Agents), Manufacturing, Processing, Bulk Storage and Large-Scale Applications) in accordance with O. Reg 153/04. As such, the western portion of the Site was identified as **APEC #4**.
- The Site was developed in the 1950s, including a parking area for the former Madonna Nursing Home and associated buildings. The building on the 1541 Property parcel was developed in 2007. It is expected that fill materials were used during the grading of the Site. The potential placement of fill materials located on the central

portion of the Property was identified as a PCA (#30 – Importation of Fill Material of Unknown Quality) in accordance with O. Reg. 153/04. As such, the entirety of the current and formerly developed portion of the Property was identified as **APEC #6**.

Copies of the aerial photographs obtained from ERIS are provided in **Appendix G**.

4.3.2 Topography, Hydrology, Geology

The elevation of the Site ranges from approximately 76 to 78 metres above mean sea level (mAMSL)³. Regional topography generally slopes to the north towards the Ottawa River, located approximately 1.6 kilometres (km) north of the Site.

The Site is located in the broad physiographic region known as the Clay Plains. A review of the detailed soils survey provided by ERIS indicates that the overburden present on Site consists predominantly of a silty loam material. Beneath the overburden deposits is bedrock consisting of limestone, dolostone, shale, arkose, and sandstone of the Shadow Lake Formation. Based on a review of the 2004 Patterson Group geotechnical investigation, bedrock is expected to be encountered between approximately 1.9 mBGS to 4.7 mBGS.

Topographic information for the Phase One ESA study area is included on **Figure 1**. A discussion of water bodies located within the vicinity of the Site is provided in Section 4.3.4. Well records identified within the Phase One ESA study area are discussed in Section 4.3.5.

4.3.3 Fill Materials

GHD reviewed a copy of a Geotechnical Investigation Report dated December 9, 2004, prepared by Paterson Group related to the construction of the existing Madonna Long-term Care facility. Paterson Group conducted a geotechnical investigation that consisted of the advancement of nine (9) test holes to depths between 1.9 mBGS and 4.7 mBGS. Fill material consisting of sand/silty sandy/sandy silt/silty clay was encountered in the boreholes extending from the surface to depths ranging between 1.5 mBGS and 2.5 mBGS. During the 2024 soil and groundwater investigation completed by GHD, evidence of fill soils consisting of gravelly sand, along with construction debris were observed within the footprint of the former building foundation. The Site representative was not aware of the presence of any imported fill materials at the Site.

The Site was initially developed in the 1950s, including a parking area for the former Madonna Nursing Home and associated buildings on the 1533 Property parcel. It is expected that fill materials were used during the grading of the Site. The potential placement of fill materials located on the central portion of the Property was identified as a PCA (#30 – Importation of Fill Material of Unknown Quality) in accordance with O. Reg. 153/04. As such, the entirety of the current and formerly developed portion of the Property was identified as **APEC #6**.

4.3.4 Water Bodies and Areas of Natural Significance

No water bodies are located on the Site. The closest water body to the Site is the Ottawa River, which is located approximately 1.6 km north of the Site.

In accordance with O. Reg. 153/04, an "area of natural significance" is defined as any of the following:

1. An area reserved or set apart as a provincial park or conservation reserve under the Provincial Parks and Conservation Reserves Act, 2006.
2. An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources and Forestry (MNR) as having provincial significance.
3. A wetland identified by the MNR as having provincial significance.

³ Natural Resources Canada [map]. "The Atlas of Canada - Toporama", governed by version 2.3 of the Open Government License – Canada. November 27, 2020. <http://atlas.gc.ca/toporama/en/index.html>

4. An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant.
5. An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act.
6. An area identified by the MNR as significant habitat of a threatened or endangered species.
7. An area which is habitat of a species that is classified under Section 7 of the Endangered Species Act, 2007 as a threatened or endangered species.
8. Property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies.
9. An area set apart as a wilderness area under the Wilderness Areas Act.

A summary of GHD's review is provided below:

1. The Site is not an area reserved or set apart as a provincial park or conservation reserve under the Provincial Parks and Conservation Reserves Act, 2006.
2. The Site is not an area of natural and scientific interest (life science or earth science) identified by the MNR as having provincial significance. GHD reviewed the MNR's – "Natural Heritage Information Centre" database to identify areas registered as Areas of Natural or Scientific Interest (ANSI). There were no ANSIs identified within a 1-km radius of the Site.
3. The Site is not a wetland identified by the MNR as having provincial significance.
4. The Site is not an area designated by a municipality in its official plan as environmentally significant.
5. The Site is not an area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act.
6. The Site is an area identified by the MNR as significant habitat of a threatened or endangered species. GHD conducted a search to determine if threatened or endangered species are present within or adjacent to the Site. According to the Committee on the Status of Endangered Wildlife in Canada (COSWIC), Species at Risk in Ontario (SARO), and MNR, the following species were listed as threatened and/or endangered within the Phase One ESA study area:
 - Northern Bobwhite (bird)
 - Henslow's Sparrow (bird)
 - Eastern Meadowlark (bird)
 - Wood Thrush (bird)

Review of information pertaining to the habitats of the above-noted species indicated that Site features may be conducive to their habitats.

7. Based on the review of information pertaining to the habitats of aforementioned threatened and/or endangered species, the Site may be an area which is conducive to the habitat of Northern Bobwhite, Henslow's Sparrow, Eastern Meadowlark, or Wood Thrush, which are classified under Section 7 of the Endangered Species Act, 2007, as threatened or endangered species. No information was available to confirm if the habitat of these species is present on the Site.
8. The Site is not a property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001, applies.
9. The Site is not an area set apart as a wilderness area under the Wilderness Areas Act.

Based on the above information and the definition of area of natural significance provided in O. Reg. 153/04, GHD did not identify any information that would confirm that the Site may be considered an area of natural significance.

4.3.5 Well Records

A search of the MECP Water Well Information System (WWIS) database was conducted as a component of the environmental databases search outlined in Section 4.2.2. No records were identified in the WWIS database to be associated with the Site. Thirteen (13) records were identified in the WWIS database to be associated with wells installed within the Phase One ESA study area. The records were associated with multiple drinking water supply wells, an observation well, and three abandoned water supply wells. Additional information regarding the well records identified within the Phase One ESA study area is provided in **Appendix F**.

4.3.6 Site Operating Records

No Site Operating Records were identified for the Site.

5. Interviews

As part of the Phase I ESA in September 2024, GHD interviewed the following personnel.

Facility Contact	Position	Period Familiar with the Site
Mr. Ian Clarke	Director of Environmental Services for Sienna's 1541 Property parcel	19 years
Mr. David Gallagher	Executive Vice-President, Development & Asset Management for the 1533 Property parcel (Season's Retirement Living – Previous owner)	14 years

The above-listed persons were identified as the most knowledgeable regarding the historical and current use of the Property.

No changes in the Site operations have occurred since the previous Site reconnaissance in September 2024; as such, no additional interviews were conducted.

The interview completed with Site representatives was focused on the historical and current use of the Property, and the topics listed in Sections 13 and 14 of Schedule D of O. Reg. 153/04. Relevant information provided to GHD by those interviewed has been summarized in the following sections.

6. Site Reconnaissance

6.1 General Requirements

On January 12, 2025, Mr. Matthew Rousina-Webb of GHD completed a Site reconnaissance of the property located at 1533 St. Joseph Blvd and 1541 St. Joseph Blvd in Orleans, Ontario. The Site reconnaissance was completed between approximately 10:00 a.m. and 12:00 p.m. Weather conditions during the Site visit were overcast with an ambient air temperature of approximately -9°C.

The Site reconnaissance included a walk-through of the Property to confirm the current Site conditions and identify any current land uses, which may have or may cause actual and/or potential environmental impacts to the Site. Adjoining and neighbouring properties were observed from the Site and public access ways. Photographs of the Site are included in **Appendix H**.

6.2 Specific Observations at Phase One ESA Property

6.2.1 Building and Property

The 1541 Property parcel is approximately 2.48 hectares in size and contains a 3-storey slab-on-grade long-term care building located on the southern portion of the property. Based on discussions with the Site representatives and the review of historical records, the building was constructed in 2007 and has a footprint of approximately 3,200 square metres (34,440 square feet). The site building contains 160 private and semi-private residential units (each containing a bedroom and washroom) located on floors one through three. Each floor also contains dining areas, sitting areas, activity rooms, nurse's stations, shower rooms, utility rooms, and office space. The first level also contains a commercial kitchen, a staff laundry room, storage rooms, mechanical/electrical rooms, a generator room, a maintenance room, staff rooms, and several common areas, including a hair salon, a chapel, a multi-purpose room, a café, and a reception area. The site building has undergone preliminary demolition work; many of the areas within the site building have been stripped of function. Electricity within the site building does not provide lighting for minor areas such as the generator room and many mechanical and utility closets. The entrance to the administration area is closed off with a tarp, citing the site building as an active construction zone. A wooden shed is located northwest of the site building and was previously utilized for storage. Three (3) hydraulic elevators are operated at the Site, all within the central portion of the site building. At the time of the Site reconnaissance, the floor within the mechanical room used to access and maintain the elevators was in good condition, and no evidence of releases associated with the elevators was observed by GHD.

The 1533 Property parcel is approximately 1.19 hectares and is currently vacant land (since 2005). The 1533 Property parcel was developed with a 2-storey long-term care facility (former Madonna Nursing Home), which was constructed in 1958 and demolished in 2005. The building located on the 1533 Property parcel had a partial basement beneath the central and eastern portions of the building. The building was initially heated with a fuel oil-fired boiler with the fuel oil stored in a UST which was reportedly located along the south side of the building. The UST was removed from the 1533 Property parcel around 1992/1993.

Site access is provided by paved driveways located along St. Joseph Blvd. The exterior surfaces of the Site consist of asphalt-paved driveways and parking areas, landscaped lawns, and wooded areas in the northern portion of the Site. No water bodies are located on the Site.

6.2.2 Current Site Operations

The 1541 Property parcel has been owned by Sienna since 2012, was owned by Season's Retirement Living from 2009 to 2012, and was owned by Chartwell Senior Housing REIT prior to 2009. The building on the 1541 Property was developed as a long-term care facility in 2007. The long-term care operations continued from 2007 until the summer of 2023, when the building was vacated. At the time of the Site reconnaissance, the site building remained unoccupied.

The 1533 Property parcel is The 1533 Property parcel has been owned by Sienna since 2025, was owned by Season's Retirement Living from 2009 to 2025, and was previously owned by Chartwell Senior Housing REIT prior to 2009. The 1533 Property parcel was developed with a 2-storey long-term care facility (former Madonna Nursing Home), which was constructed in 1958 and demolished in 2005. The 1533 Property parcel has been vacant land since 2005.

The paved and unpaved exterior portions of the Site are maintained during the winter by a snow removal contractor. It is anticipated that the snow removal contractor uses de-icing agents around the Site exterior as part of their maintenance operations. Road salt has been applied on the 1533 and 1541 parking areas at the Site as well as along adjacent/nearby roadways during winter months for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both. Bulk salt has not been stored at the Site. The application of road salt on-Site and in the vicinity of the Site has the potential to result in elevated sodium adsorption ratio (SAR) and electrical conductivity (EC) in soil, and sodium and chloride in groundwater, and would have the potential to contribute to an APEC at the Site. The application of de-icing agents was identified as **APEC #7** on the exterior portion of the Property.

Based on discussions with the Site representative and the Site reconnaissance, the Site is currently vacant.

6.2.3 Historical Site Operations

Based on discussions with the Site representatives and a review of historical records, the 1533 Property parcel was agricultural and wooded land from prior to 1958 until it was developed with the former Madonna Nursing Home. The western portion of the 1541 Property parcel was developed with a parking lot and driveway associated with the Madonna Nursing Home building. The Madonna Nursing Home was demolished around 2005 and the existing site building on the 1541 Property parcel was developed for residential purposes in 2007.

No information was available regarding the crops historically grown at the Site, or to exclude the potential for pesticide use as part of historic agricultural practices. Pesticides are highly persistent chemicals, so any historic application can still be present at the Site. The potential application of pesticides has been identified as a PCA at the Site (Pesticides [including Herbicides, Fungicides and Anti-Fouling Agents] Manufacturing, Processing, Bulk Storage and Large-Scale Applications). The potential historic application of pesticides has been identified as **APEC #4** on the southern portion of the Site.

6.2.4 Utility Services

Electricity is supplied to the 1541 Property parcel by Hydro Ottawa via a pad-mounted electrical transformer located on the 1533 Property parcel. No other utility services are present at the 1533 Property parcel.

One diesel-powered backup generator is located in the generator room in the western portion of the site building (first level). Diesel for the backup generator is stored within the lower portion of the generator in an integrated 450-L steel-walled AST, discussed further in Section 3.4 below.

The 1541 Property parcel is serviced with natural gas supplied by Enbridge Gas. The site building is heated and cooled by a combination of electrical ductless mini-split units and natural gas-fired, roof-mounted HVAC units. The Site representatives reported that the site building has not been heated with heating oil in the past. Hot water heaters are located on the first level of the site building.

The 1541 Property parcel is serviced with municipally-supplied potable water and sanitary sewer services. The Site representatives were not aware of the presence of any water supply wells or septic systems at the Site. GHD did not observe evidence of any active or abandoned water supply wells or septic systems at the Site during the Site reconnaissance.

6.2.5 Underground Storage Tanks (USTs)

Based on discussions with the Site representatives, there are no active or inactive USTs located on the Site; and to the best of their knowledge, no USTs have historically been owned or operated at the Site. At the time of the Site reconnaissance, no physical evidence suggesting the presence of any USTs (e.g., vent pipes, fill pipes, etc.) was observed by GHD.

Based on a review of historical reports provided for GHD's review, a former fuel oil UST was reportedly located along the south side of the former building located on the 1533 Property parcel. The UST was reported to be leaking based on information provided in the Ontario Spill (SPL) database. The UST was removed from the 1533 Property parcel around 1992/1993. An environmental investigation was conducted on January 24, 2005, by the Paterson Group of Ottawa to investigate the potential for environmental impacts related to the former UST. Two boreholes were advanced by Paterson Group to depths ranging between 1.8 mBGS and 4.4 mBGS, and a monitoring well was installed in the deeper borehole. Petroleum-related compounds were analyzed in soil and groundwater samples, and were not detected in the samples. The environmental report reviewed by GHD did not include a copy of the figures that identify the location of the drilled monitoring wells. Additionally, as noted in the Paterson report, boreholes were not placed in the area of the tank nest as native till was encountered at each location. As such, GHD is unable to confirm if the investigations completed were appropriate to investigate any potential environmental impact related to the operation of the UST.

The presence of a former underground fuel oil storage tank is a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks), in accordance with O. Reg 153/04. As such, the area surrounding the former UST on the 1533 Property parcel was identified as **APEC #1**.

6.2.6 Aboveground Storage Tanks (ASTs)

Based on discussions with the Site representatives and the Site reconnaissance, a diesel-powered backup generator is located in the generator room in the western portion of the site building (first level) located on the 1541 Property parcel. Diesel for the backup generator is stored in the lower portion of the generator in an integrated 450-L steel-walled AST. The generator with integrated AST was installed in 2007 on a concrete pad. Steel kick plates (secondary containment) were observed around the backup generator at the time of the Site visit. No evidence of any spills, releases, or staining was observed in the vicinity of the generator and AST at the time of the Site reconnaissance. The concrete floors appeared to be in good condition.

The presence of the diesel-powered backup generator and associated AST is a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks), in accordance with O. Reg 153/04. As such, the area surrounding the diesel generator AST on the 1541 Property parcel was identified as **APEC #2**.

No current or historical ASTs were located on the 1533 Property parcel.

6.2.7 Floor Drains, Pits, and Sumps

At the time of the Site reconnaissance, GHD observed floor drains located in the kitchen, laundry room, washrooms and shower rooms, serving stations, janitor's closets, soiled utility rooms, and hot water mechanical room within the site building at 1541 Property parcel. GHD observed a grease trap in the kitchen; the Site representatives indicated that all water from the commercial kitchen passed through this trap and the trap was cleaned out quarterly while the Site was operational. GHD observed a sump in the elevator mechanical room. Based on discussions with the Site representatives, the floor drains discharge to the municipal sanitary sewer system, and the sump discharges to the exterior areas behind the property. No chemical storage or any visual evidence of spills was observed in the vicinity of the floor drains or the sump, and the concrete floors in the vicinity of the floor drains and sump were generally observed to be in good condition at the time of the Site reconnaissance; however, it was noted that the concrete around the floor drain in the janitor's closet on the first level, east wing was damaged. The Site representatives reported that, to the best of their knowledge, no other floor drains, pits, or sumps have been operated at the 1541 Property parcel in the past. No evidence of floor drains, pits, and sumps was observed on the 1533 Property parcel.

6.2.8 Wastewater/Sewers

The Site representatives indicated that all water from the commercial kitchen within the site building at 1541 Property parcel passed through a grease trap and the trap was cleaned out quarterly. Based on discussions with the Site representatives and GHD observations, wastewater generated at the Site was limited to domestic wastewater from facility sinks and washrooms within the 1541 Property parcel. According to the Site representatives, domestic wastewater is discharged to the municipal sanitary sewer. No evidence of wastewater generation was observed on the 1533 Property parcel.

6.2.9 Stormwater/Surface Water

Stormwater generated at the Site either infiltrates the ground surface, is directed towards drainage ditches along St. Joseph Blvd south of the Site or is directed by surface grading towards two on-Site catch basins on the 1541 Property parcel: one located in the eastern parking lot east of the site building and one located in the western access driveway.

The two on-Site catch basins discharge to a weeping tile system, which runs the length of the building beneath the landscaped area north of the site building and discharges to the wooded area in the northern portion of the Site via several drains. No sources of adverse impact to stormwater quality were observed by GHD during the Site

reconnaissance. At the time of the Site reconnaissance, no visual evidence of impact from surface water run-on from the adjacent properties was observed by GHD.

6.3 Enhanced Investigation Property

The Phase One ESA property is considered to be an Enhanced Investigation property if it is currently used or has ever been used in whole or in part for industrial use, or commercial uses including a garage, a bulk liquid dispensing facility such as a gasoline station, or for the operation of dry-cleaning equipment. Based on records reviewed during this investigation, the Site is not an enhanced investigation property.

Although not required by O. Reg. 153/04, the following sections have been added to the report for completeness. All reasonable inquiries were made to obtain and review the following material with respect to the former use:

- Regulatory permits and records related to areas of potential environmental concern (not available)
- Material safety data sheets (not available)
- Underground utility drawings
- Inventories of chemicals, chemical usage and chemical storage areas (documented in Sections 6.3.4 and 6.3.5)
- Inventory of USTs and ASTs (documented in Sections 6.2.5 and 6.2.6)
- Environmental monitoring data (not available)
- Waste management records (documented in Section 6.3.5)
- Process, production and maintenance documents (not available)
- Records of spills and discharges of contaminants (documented in Section 6.3.6)
- Emergency response and contingency plans (not available)
- Environmental audit reports (not available)
- Site plans of the former facility (not available)

The following sections provide observations regarding designated substances, processing and manufacturing operations, products, by-products and wastes, raw materials handling, and other potential environmental concerns not detailed in previous sections.

6.3.1 Asbestos-Containing Materials (ACM)

The presence of ACM was investigated through discussions with the Site representatives, and observations made by GHD at the time of the Site reconnaissance. No intrusive investigations were conducted by GHD to examine areas of concealed spaces for the presence of ACM. The Site representatives were not aware of the presence of any ACM at the Site, and reported that, to their knowledge, no asbestos surveys or abatement projects have been conducted at the Site.

Based on the construction date of the existing on-site building on the 1541 Property parcel (i.e., 2007), it is not expected that any ACM would be present at the Site. No structures are currently present on the 1533 Property parcel.

6.3.2 Polychlorinated Biphenyls (PCBs)

The Site representatives reported that no PCB-containing equipment is currently being used, stored, or handled at the Site. GHD observed one pad-mounted electrical transformer located on the 1533 Property parcel. No evidence of spills or releases was identified to be associated with the transformer, and no staining was observed by GHD on the exterior surfaces surrounding the transformer at the time of the Site reconnaissance. The presence of a transformer on the 1533 Property parcel is a PCA (#55 - Transformer Manufacturing, Processing and Use) in accordance with O. Reg. 153/04. As such, the area surrounding the pad mount transformer on the 1533 Property parcel was identified as **APEC #5**.

Additional potential PCB-containing equipment was observed by GHD at the time of the Site reconnaissance including fluorescent light ballasts located throughout the existing 1541 Property parcel building. Fluorescent light ballasts in the building could contain small quantities of PCBs. However, the light ballasts were observed to be in good working condition and, even if PCB-containing, do not represent a significant liability.

The Site representatives also reported that no PCB Wastes are stored at the Site. No visual evidence of PCB Waste storage was observed by GHD at the time of the Site reconnaissance.

6.3.3 Solid Waste/Recyclable Materials

Based on discussions with the Site representatives and GHD observations, no solid wastes or recyclables are currently generated at the Site since 2023. The following solid wastes or recyclables were formerly generated at the 1541 Property parcel while the Site was operational.

Type	Storage Location	Waste Disposal/Recycling Company
General refuse	Garbage Storage Room (first level) and Dumpsters, west exterior of the building	3 rd Party Contractor
Recyclables (including plastics, cardboard)	Garbage Storage Room (first level) and Dumpsters, west exterior of the building	3 rd Party Contractor
Waste Grease	Kitchen, west exterior of building	3 rd Party Contractor
Biohazard waste	Stored in plastic containers within the building	3 rd Party Contractor

No evidence of solid wastes or recyclables generation was observed on the 1533 Property parcel.

The Site representatives stated that, to the best of their knowledge, no solid wastes have been disposed of on the Site. No visual evidence of on-Site solid waste disposal was observed by GHD at the time of the Site reconnaissance.

6.3.4 Chemical and Raw Material Use and Storage

Based on discussions with the Site representatives and GHD observations, no chemicals are currently stored or used within the site building at 1541 Property parcel. Cleaning products, disinfectants, lubricants, paints, hair care products, road salt, and laundry detergents/soaps were historically stored within the site building while the Site was operational. No evidence of chemical use or storage was observed on the 1533 Property parcel.

The Site representatives reported that, to the best of their knowledge, no spills or releases of any chemical products have occurred at the Site.

6.3.5 Subject Waste/Hazardous Waste

The Site representatives stated that, to the best of their knowledge, no Subject Waste or hazardous waste is generated, stored or disposed of on-Site. At the time of the Site reconnaissance, GHD did not observe any visual evidence on-Site Subject Waste or hazardous waste generation, storage or disposal.

6.3.6 Chemical Spills/Releases

The Site representatives were not aware of any spills having occurred at the Site. No staining was observed on the concrete floors throughout the building of the 1541 Property parcel or beneath the backup generator. The concrete floors appeared to be in good condition; however, horizontal and vertical joints were noted in the concrete floor of the Generator Room as well as other Mechanical Rooms with exposed concrete flooring which could potentially be a pathway for contaminant migration if a spill occurred. No visual evidence of chemical spills or releases on the exterior surfaces of the Site were observed by GHD at the time of the Site reconnaissance. No evidence of any spills/releases was identified with respect to the 1533 Property parcel.

6.3.7 Lead-Based Paint

The amount of lead in interior paint has been regulated since 1976 through Health Canada's Hazardous Products Act. The Site representatives were not aware of any lead-based paint at the Site. Based on the age of the building, lead-based paint is not expected to be present on painted surfaces at the Site.

6.3.8 Chlorofluorocarbons (CFCs)

Based on discussions with the Site representatives and observations made by GHD during the Site reconnaissance, equipment operated at the Site that potentially contains regulated CFCs is limited to commercial refrigerators and air conditioning units. The presence of CFCs in the cooling equipment is not interpreted to represent a potential source of environmental impairment to the Site.

6.3.9 Air Emissions

Based on GHD observations, air emission sources currently operated at the Site are limited to natural gas-fired comfort heating equipment, and minor emissions from the backup generator. At the time of the Site reconnaissance, no visual evidence of impact to the Site from the above-noted air emission sources was observed by GHD. No evidence of odours or particulate accumulation associated with any potential historical air emission sources was observed by GHD.

6.3.10 Ionizing Radiation

The Site representatives reported that they were not aware of any current use or storage of commercial sources of ionizing radiation (e.g., x-ray equipment) at the Site. At the time of the Site reconnaissance, no potential sources of ionizing radiation were observed by GHD at the Site.

6.4 Written Description of Investigation

The Phase One ESA included a records review, interviews with Site representatives, a Site reconnaissance, and a review and evaluation of the information obtained during the Phase One ESA. The Site reconnaissance included a walk-through of the Property to confirm the current Site conditions and identify any current land uses, which may have or may cause actual and/or potential environmental impacts to the Site. Adjoining and neighbouring properties were observed from the Site and public access ways.

The findings from the assessment carried out pursuant to Sections 13 and 14 of Schedule D of O. Reg. 153/04, as amended, were previously discussed in Section 6.0.

7. Review and Evaluation of Information

7.1 Current and Past Uses

Based on the information provided by the Site representative, Sienna currently owns the Site. A summary of the current and past uses of the Site is provided below:

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
Prior to 1958	Various private owners	Agricultural	Agricultural or Other Use	Based on a review of records and aerials photographs and discussions with the Site representative, the southern portion

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
				of the Site was used for agricultural purposes.
1958-2005	Madonna Nursing Home	Residential	Residential	Based on discussions with the Site representative, the 1533 Property parcel was developed in 1958 for use as a nursing home. The western portion of the 1541 Property parcel was developed with a parking lot and driveway associated with the Madonna Nursing Home building.
2005-2009	Chartwell Senior Housing REIT	Residential	Residential	Based on discussions with the Site representative, the Site was owned by Chartwell Senior Housing during this period. The current site building at 1541 Property parcel was constructed in 2007.
2009-2012	Season's Retirement Living	Residential	Residential	Based on discussions with the Site representative, the 1541 Property parcel was acquired by Season's Retirement Living in 2009.
2012-present	Sienna Senior Living	Residential	Residential	Based on discussions with the Site representative, the 1541 Property was acquired by Sienna in 2012. The residential building has been vacant since 2023 and is currently undergoing renovation. The 1533 Property parcel was acquired by Sienna from Season's Retirement Living in 2025.

7.2 Potentially Contaminating Activity

The MECF provides a list of PCAs in Schedule D of O. Reg. 153/04, under the Environmental Protection Act. PCAs that have been identified to be on, in, or under the Phase One ESA Property, or located within the Phase One ESA study area and having the potential to contribute to an APEC are presented in Section 7.3.

7.3 Areas of Potential Environmental Concern (APEC)

The following APEC has been identified by the Phase One ESA records review, interviews, and Site reconnaissance and are summarized in the table below. This matrix is used to list and describe each PCA at the Property and each PCA in the Phase One ESA Study Area that may be contributing to an APEC at the Property.

**Table of Areas of Potential Environmental Concern
1533 and 1541 St. Joseph Blvd
Orleans, Ontario
[Refer to clause 16(2)(a), Schedule D, O. Reg. 153/04]**

Area of Potential Environmental Concern ¹	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity ²	Location of PCA (on-site or off-site)	Contaminants of Potential Concern ³	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
APEC #1 – Former Fuel Oil Underground Storage Tank	The area surrounding the former UST (1533 Property parcel)	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX	Soil
					Groundwater
APEC #2 – Diesel Powered Backup Generator with Aboveground Storage Tank	The area surrounding the diesel generator AST (1541 Property parcel)	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX	Soil
APEC #3 – Former Fuel ASTs (1501 St. Joseph Blvd)	Area along the western portion of 1533 Property parcel	28. Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	PHCs, BTEX	Soil
					Groundwater
APEC #4 – Potential Pesticide Use	Southern portion of the 1533 and 1541 Property parcels	40. Pesticides [including Herbicides, Fungicides and Anti-Fouling Agents] Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site	OCPs, Metals As, Sb, Se, Hg, Cr (VI)	Soil
APEC #5 – Pad Mounted Transformer	The area surrounding the pad mount transformer on the 1533 Property parcel	55. Transformer Manufacturing, Processing and Use	On-Site	PHCs, PCBs	Soil
APEC #6 – Fill Materials of Unknown Quality	The entirety of the current and formerly developed areas of 1533 and 1541 Property parcels	30. Importation of Fill of Unknown Quality	On-Site	VOCs, PHCs, PAHs, Metals, As, Sb, Hg, Cr (VI), B-HWS, CN-	Soil
APEC #7 – Road Salt Use	Developed areas of 1533 and 1541 Property parcels	(A). Application of De-icing Agents	On-Site	EC, SAR	Soil
				Sodium, Chloride	Groundwater

Notes:

- 1 Area of Potential Environmental Concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through:
- (a) Identification of past or present uses on, in or under the phase one property.
 - (b) Identification of potentially contaminating activity.

Area of Potential Environmental Concern ¹	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity ²	Location of PCA (on-site or off-site)	Contaminants of Potential Concern ³	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
2 Potentially Contaminating Activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area.					
3 When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the "Protocol for Analytical Methods in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below:					
Acid base neutral extractable (ABNs)	Petroleum hydrocarbons (PHCs)	Benzene, toluene, ethylbenzene and xylenes (BTEX)	Boron, hot water soluble (B-HWS)	Mercury (Hg)	
Chlorophenols (CPs)	Polychlorinated biphenyls (PCBs)	Calcium (Ca), magnesium (Mg)	Chloride (Cl ⁻)	Methyl Mercury	
1,4-Dioxane	Polycyclic aromatic hydrocarbons (PAHs)	Metals	Cyanide (CN ⁻)	high pH	
Dioxins/Furans, PCDDs/PCDFs	Trihalomethanes (THMs)	Arsenic (As), antimony (Sb), selenium (Se)	Electrical conductivity (EC)	low pH	
Organochlorine pesticides (OCs)	Volatile organic compounds (VOCs)	Sodium (Na)	Chromium (hexavalent) [Cr (VI)]	Sodium adsorption ratio (SAR)	

7.4 Phase One Conceptual Site Model

The Site is located in Orleans, a suburb of the City of Ottawa, Ontario, that has been developed for residential and/or agricultural purposes from prior to the 1950s.

The 1541 Property parcel is approximately 2.48 hectares in size and contains a 3-storey slab-on-grade long-term care building located on the southern portion of the property. Based on discussions with the Site representatives and the review of historical records, the building was constructed in 2007 and has a footprint of approximately 3,200 square metres (34,440 square feet). The 1541 Property parcel has been owned by Sienna since 2012, was owned by Season's Retirement Living from 2009 to 2012, and was owned by Chartwell Senior Housing REIT prior to 2009. The long-term care operations continued from 2007 until the summer of 2023, when the building was vacated. The site building contains 160 private and semi-private residential units (each containing a bedroom and washroom) located on floors one through three. Each floor also contains dining areas, sitting areas, activity rooms, nurse's stations, shower rooms, utility rooms, and office space. The first level also contains a commercial kitchen, a staff laundry room, storage rooms, mechanical/electrical rooms, a generator room, a maintenance room, staff rooms, and several common areas, including a hair salon, a chapel, a multi-purpose room, a café, and a reception area. A wooden shed is located northwest of the site building and was previously utilized for storage. Site conditions observed at the Site in January 2026 were generally similar to the September 2024 Phase I ESA, with the exception of the preliminary demolition work; many of the areas within the site building have been stripped of function. Electricity within the site building does not provide lighting for minor areas such as the generator room and many mechanical and utility closets. The entrance to the administration area is closed off with a tarp, citing the site building as an active construction zone.

The 1533 Property parcel is approximately 1.19 hectares and is currently vacant land (since 2005). The 1533 Property parcel has been owned by Sienna since 2025, was owned by Season's Retirement Living from 2009 to 2025 and was previously owned by Chartwell Senior Housing REIT prior to 2009. The 1533 Property parcel was developed with a 2-storey long-term care facility (former Madonna Nursing Home), which was constructed in 1958 and demolished in 2005. The building located on the 1533 Property parcel had a partial basement beneath the central and eastern portions of the building. The 1533 Property parcel consists of granular roadway material with sections of trees and vegetation interspersed between access roads.

The elevation of the Site ranges from approximately 76 to 78 metres above mean sea level (mAMSL)⁴. Regional topography generally slopes to the north towards the Ottawa River, located approximately 1.6 km north of the Site. The Site is located in the broad physiographic region known as the Clay Plains. A review of the detailed soils survey provided by ERIS indicates that the overburden present on Site consists predominantly of a silty loam material. Beneath the overburden deposits is bedrock consisting of limestone, dolostone, shale, arkose, and sandstone of the Shadow Lake Formation. Based on a review of the 2004 Patterson Group geotechnical investigation, bedrock is expected to be encountered between approximately 1.9 mBGS to 4.7 mBGS. The Site may be an area of natural significance, as defined in O. Reg. 153/04.

Electricity is supplied to the 1541 Property parcel by Hydro Ottawa via a pad-mounted electrical transformer located on the 1533 Property parcel. No other utility services are present at the 1533 Property parcel.

One diesel-powered backup generator is located in the generator room in the western portion of the site building (first level). Diesel for the backup generator is stored within the lower portion of the generator in an integrated 450-L steel-walled AST.

The 1541 Property parcel is serviced with natural gas supplied by Enbridge Gas. The site building is heated and cooled by a combination of electrical ductless mini-split units and natural gas-fired, roof-mounted HVAC units. The Site representatives reported that the site building has not been heated with heating oil in the past. Hot water heaters are located on the first level of the site building.

⁴ Natural Resources Canada [map]. "The Atlas of Canada - Toporama", governed by version 2.3 of the Open Government License – Canada. November 27, 2020. <http://atlas.gc.ca/toporama/en/index.html>

The 1541 Property parcel is serviced with municipally-supplied potable water and sanitary sewer services. The Site representatives were not aware of the presence of any water supply wells or septic systems at the Site. GHD did not observe evidence of any active or abandoned water supply wells, or septic systems at the Site during the Site reconnaissance.

The following APECs associated with the Site were identified by the Phase One ESA records review, interviews, and Site reconnaissance:

APEC	Location of the APEC on Phase One Property	PCA(s)	Location of PCA (on-site or off-site)
APEC #1 – Former Fuel Oil Underground Storage Tank	The area surrounding the former UST (1533 Property parcel)	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site
APEC #2 – Diesel Powered Backup Generator with Aboveground Storage Tank	The area surrounding the diesel generator AST (1541 Property parcel)	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site
APEC #3 – Former Fuel ASTs (off-site; 1501 St. Joseph Blvd)	Area along the western portion of 1533 Property parcel	28. Gasoline and Associated Products Storage in Fixed Tanks	Off-Site
APEC #4 – Potential Pesticide Use	Southern portion of the 1533 and 1541 Property parcels	40. Pesticides [including Herbicides, Fungicides and Anti-Fouling Agents] Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site
APEC #5 – Pad Mounted Transformer	The area surrounding the pad mount transformer on the 1533 Property parcel	55. Transformer Manufacturing, Processing and Use	On-Site
APEC #6 – Fill Materials of Unknown Quality	The entirety of the current and formerly developed areas of 1533 and 1541 Property parcels	30. Importation of Fill of Unknown Quality	On-Site
APEC #7 – Road Salt Use	Developed areas of 1533 and 1541 Property parcels	(A). Application of De-icing Agents	On-Site

Several off-Site PCAs were identified to be associated with properties located within the Phase One ESA study area (as noted on **Figure 4**) that were not interpreted to have the potential to contribute to an APEC at the Site. A summary of the off-Site PCAs is provided below:

Property Address(es)	Referenced Database(s)	PCA(s), in accordance with O. Reg. 153/04	PCA(s) contributing to an APEC at the Property (Yes/No/Rationale)
1426 St. Joseph Blvd	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site, and the spilled contaminant being gaseous, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.
Grant Gosselin Quarry (Limestone Quarry)	ERIS AMIS	PCA (35) – Mining, Smelting and Refining; Ore Processing; Tailings Storage	No – Due to the distance from Site and the type of operation (Limestone mining), this property was not identified as contributing to an APEC on Site.
1501 St. Joseph Blvd	ERIS FCS	PCA (C) – Federally Contaminated Site	Yes – The contaminated soil has been remediated according to the record. The record is listed as closed with no further action. The ASTs and related operations conducted on the 1501 St. Joseph Blvd. property are identified as

Property Address(es)	Referenced Database(s)	PCA(s), in accordance with O. Reg. 153/04	PCA(s) contributing to an APEC at the Property (Yes/No/Rationale)
			PCA potentially contributing to APEC (APEC #3) on-Site. Refer to Section 4.1.1 for additional details.
Westbound Hwy 417	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site and the inferred groundwater flow direction in a northerly direction, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.
Leitrim and Hawthorne	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site and the inferred groundwater flow direction in a northerly direction, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.
Blair Road, South of Regional Road 174	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site and the inferred groundwater flow direction in a northerly direction, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.
Near Hwy 174 and St. Joseph Blvd	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site, amount of hydraulic fluid released, and the inferred groundwater flow direction in a northerly direction, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.
Royal Canadian Mounted Police HQ	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site and the inferred groundwater flow direction in a northerly direction, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.
National Defence, St. Joseph Blvd	ERIS SPL	PCA (B) – Spill Incident	No – Due to the distance from Site and the inferred groundwater flow direction in a northerly direction, this record is not anticipated to have affected the environmental quality of Site and is therefore not contributing to an APEC.

Based on the results of the Phase One ESA, the contaminants of concern at the Site include metals, PHCs, VOCs, PAHs, PCBs, and OCs. The Phase One ESA Conceptual Site Model for the Site and the Phase One ESA study area are shown on **Figure 4**.

8. Conclusions

Based on the results of the Phase One ESA, including the Site reconnaissance, information provided by Site representatives and regulatory agencies, documents reviewed, the review of Site history, and review of information from the regulatory agencies, the following APECs were identified to be associated with the Site.

- **APEC #1 – Former Fuel Oil Underground Storage Tank (1533 Property parcel):** Based on a review of historical reports provided for GHD’s review, a former fuel oil UST was reportedly located along the south side of

the former building located on the 1533 Property parcel. The UST was reported to be leaking based on information provided in the Ontario Spill (SPL) database. The UST was removed from the 1533 Property parcel around 1992/1993. An environmental investigation was conducted on January 24, 2005, by the Paterson Group of Ottawa to investigate the potential for environmental impacts related to the former UST. Two boreholes were advanced by Paterson Group to depths ranging between 1.8 metres below ground surface (mBGS) and 4.4 mBGS, and a monitoring well was installed in the deeper borehole. Petroleum-related compounds were analyzed in soil and groundwater samples, and were not detected in the samples. The environmental report reviewed by GHD did not include a copy of the figures that identify the location of the drilled monitoring wells. Additionally, as noted in the Paterson report, boreholes were not placed in the area of the tank nest as native till was encountered at each location. As such, GHD is unable to confirm if the investigations completed were appropriate to investigate any potential environmental impact related to the operation of the UST. The presence of a former underground fuel oil storage tank is identified as a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks), in accordance with O. Reg 153/04. As such, the area surrounding the former UST on the 1533 Property parcel was identified as **APEC #1**.

- **APEC #2 – Diesel Powered Backup Generator with Aboveground Storage Tank (1541 Property parcel):** One diesel-powered backup generator is located in the generator room in the western portion of the site building (first level). Diesel for the backup generator is stored within the lower portion of the generator in an integrated 450-L steel-walled aboveground storage tank (AST). The presence of the diesel-powered backup generator and associated AST is a PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks), in accordance with O. Reg 153/04. As such, the area surrounding the diesel generator AST on the 1541 Property parcel was identified as **APEC #2**.
- **APEC #3 – Former Fuel ASTs (off-Site; 1501 St. Joseph Blvd):** The western adjacent 1501 St. Joseph Blvd property was historically used as farmland since the late 1800s, and the remaining farmland structures are owned by the National Capital Commission (NCC), a federal agency. Based on the information presented on the Federal Contaminated Sites Inventory (FCSI)⁵, approximately 53 cubic meters of contaminated soil were remediated from this property. The FCS identified benzene, toluene, ethylbenzene, and xylene (BTEX), polycyclic aromatic hydrocarbons (PAHs), and petroleum hydrocarbons (PHCs) in soil and/or groundwater media. No additional information was presented in the records. The Site status was listed as closed with no further action required. Additionally, the MECP well record, well tag A033413, dated July 7, 2006, showed a cluster of four (4) monitoring wells installed at the 1501 St. Joseph Blvd property. A Borehole/Monitoring Well Locations map is attached to the well record; this map depicts the presence of four (4) former fuel ASTs and three (3) operational ASTs. Due to the proximity to the Site and the expected groundwater flow direction in a northerly direction, these historic ASTs have been identified as an off-site PCA (#28 – Gasoline and Associated Products Storage in Fixed Tanks) potentially contributing to an APEC along a portion of the western Property boundary of the 1533 Property parcel, in accordance with O. Reg 153/04. As such, the area along the western portion of the 1533 Property parcel was identified as **APEC #3**.
- **APEC #4 – Potential Pesticide Use:** Based on aerial imagery and discussions with the Site Representative, the southern portion of the Site was used for agricultural purposes until development with the current and former structures. No information was available regarding the crops historically grown at the Site, or to exclude the potential for pesticide use as part of historic agricultural practices. Pesticides are highly persistent chemicals, so any historic application can still be present at the Site. The potential application of pesticides has been identified as a PCA at the Site (#40 – Pesticides [including Herbicides, Fungicides and Anti-Fouling Agents] Manufacturing, Processing, Bulk Storage and Large-Scale Applications). The potential historic application of pesticides has been identified as **APEC #4** on the southern portion of the Site.
- **APEC #5 – Pad Mounted Transformer (1533 Property parcel):** Electricity is supplied to the 1541 Property parcel by Hydro Ottawa via a pad-mounted electrical transformer located on the 1533 Property parcel. No other utility services are present at the 1533 Property parcel. No evidence of spills or releases was identified to be associated with the transformer, and no staining was observed by GHD on the exterior surfaces surrounding the

⁵ Site 00022878 - 1501 St. Joseph, Ottawa (tbs-sct.gc.ca)

transformer at the time of the Site reconnaissance. The presence of a transformer on the 1533 Property parcel is a PCA (#55 - Transformer Manufacturing, Processing and Use) in accordance with O Reg. 153/04. As such, the area surrounding the pad mount transformer on the 1533 Property parcel was identified as **APEC #5**.

- **APEC #6 – Fill Materials of Unknown Quality:** The Site was initially developed in the 1950s, including a parking area for the former Madonna Nursing Home and associated buildings on the 1533 Property parcel. During the 2024 soil and groundwater investigation completed by GHD, evidence of fill soils consisting of gravelly sand, along with construction debris were observed within the footprint of the former building foundation. It is expected that fill materials were used during the grading of the Site. The potential placement of fill materials located on the central portion of the Property was identified as a PCA (#30 – Importation of Fill Material of Unknown Quality) in accordance with O. Reg. 153/04. As such, the entirety of the current and formerly developed portion of the Property was identified as **APEC #6**.
- **APEC #7 – Road Salt Use:** The paved and unpaved exterior portions of the Site are maintained during the winter by a snow removal contractor. It is anticipated that the snow removal contractor uses de-icing agents around the Site exterior as part of their maintenance operations. Road salt has been applied on the 1533 and 1541 parking areas at the Site as well as along adjacent/nearby roadways during winter months for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both. Bulk salt has not been stored at the Site. The application of road salt on-Site and in the vicinity of the Site has the potential to result in elevated sodium adsorption ratio (SAR) and electrical conductivity (EC) in soil, and sodium and chloride in groundwater, and would have the potential to contribute to an APEC at the Site. The application of de-icing agents was identified as **APEC #7** on the exterior portion of the Property.

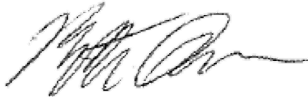
8.1 Requirement for Phase Two ESA before RSC can be Submitted

Based on the information obtained in completing the Phase One ESA, a Phase Two ESA will be required before an RSC can be filed with the MECP.

GHD understands that a Record of Site Condition (RSC) is not required to be filed as part of the new development, as there is no change in the current land use to a sensitive land use is anticipated for the Site.

All of Which is Respectfully Submitted,

GHD



Matthew Rousina Webb

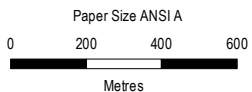
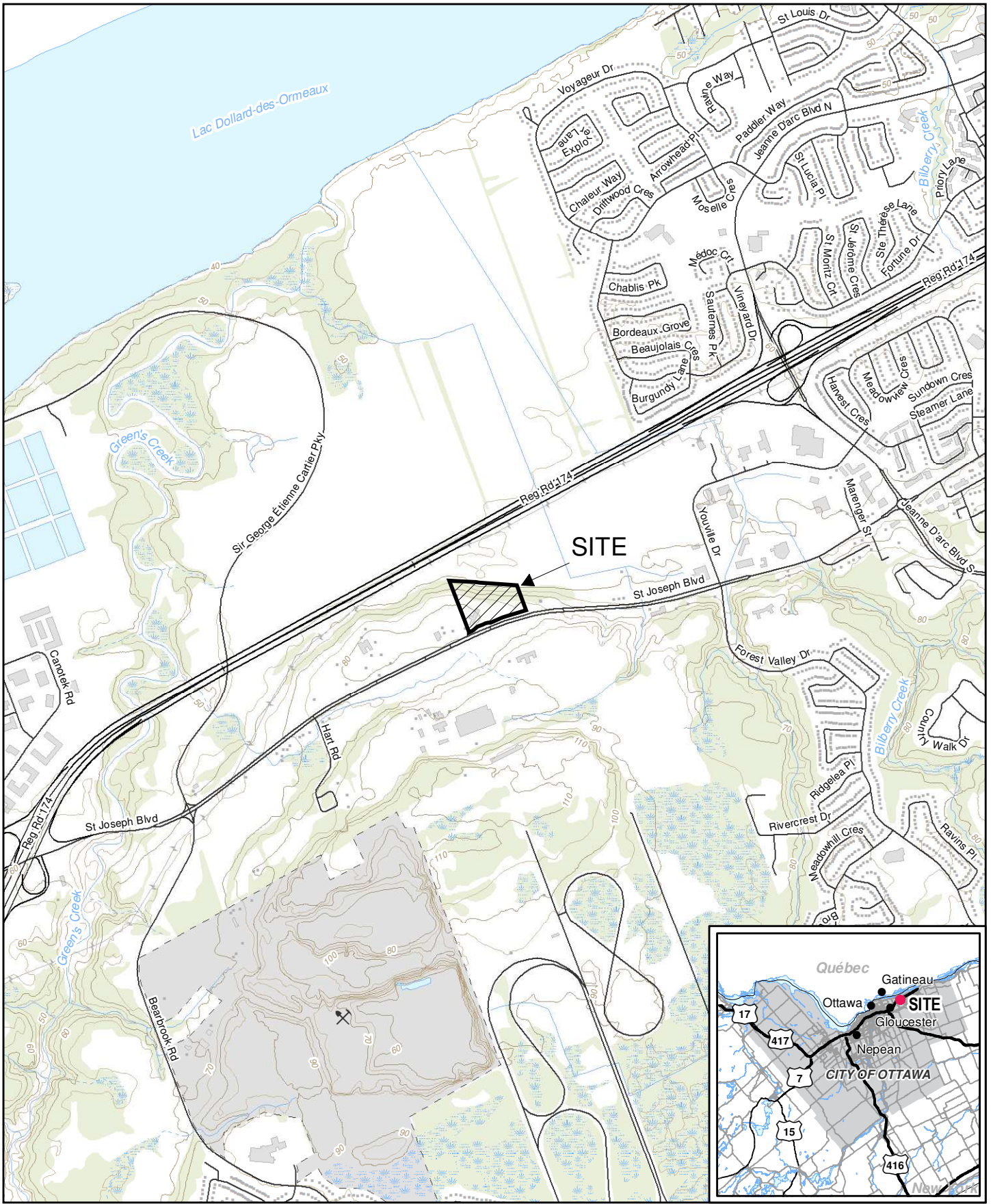


Aditya Khandekar, P.Eng., QP_{ESA}

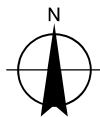


Gregory R. Brooks, P.Eng.

Figures



Map Projection: Transverse Mercator
 Horizontal Datum: North American 1983
 Grid: NAD 1983 UTM Zone 18N

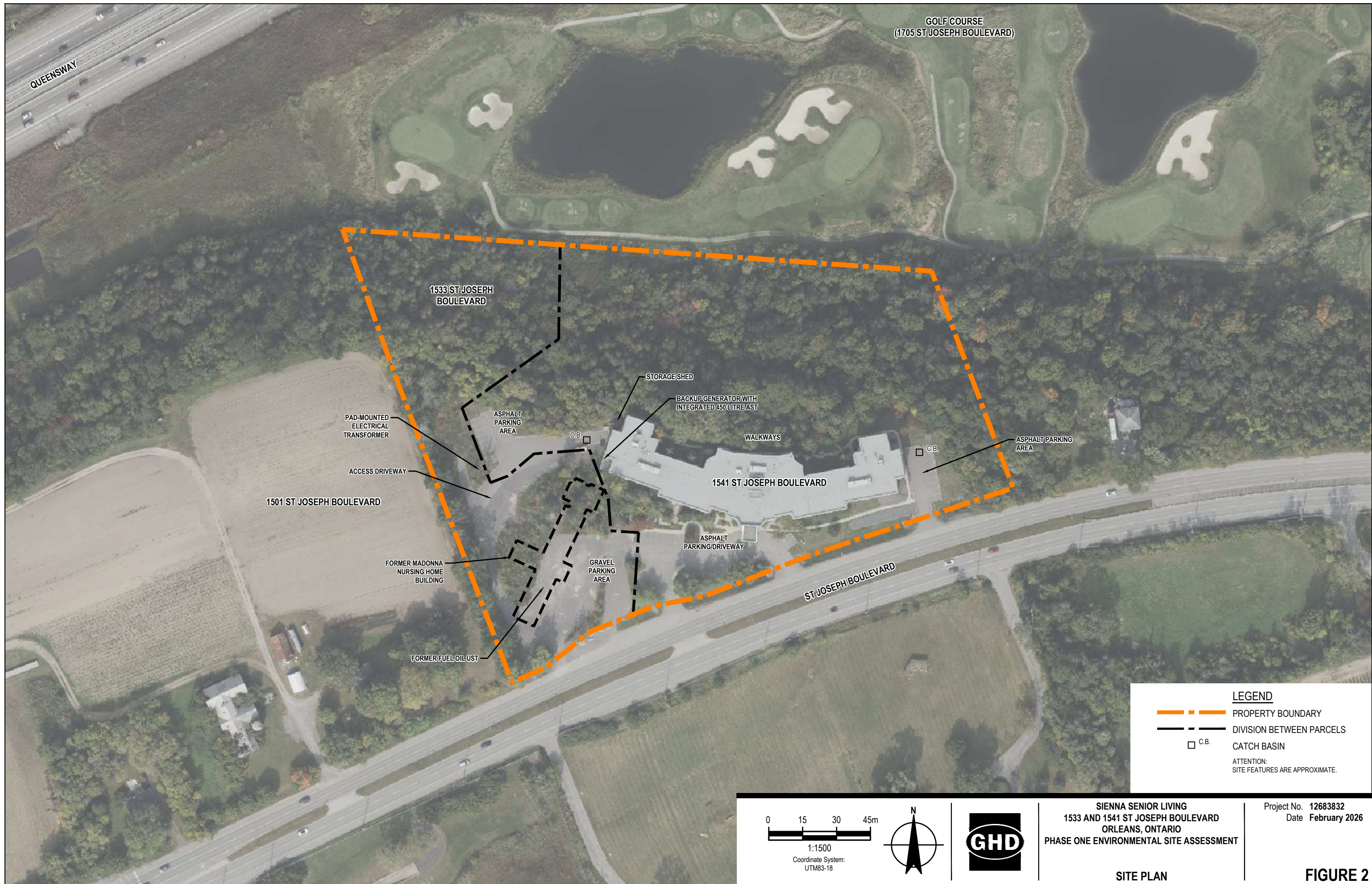


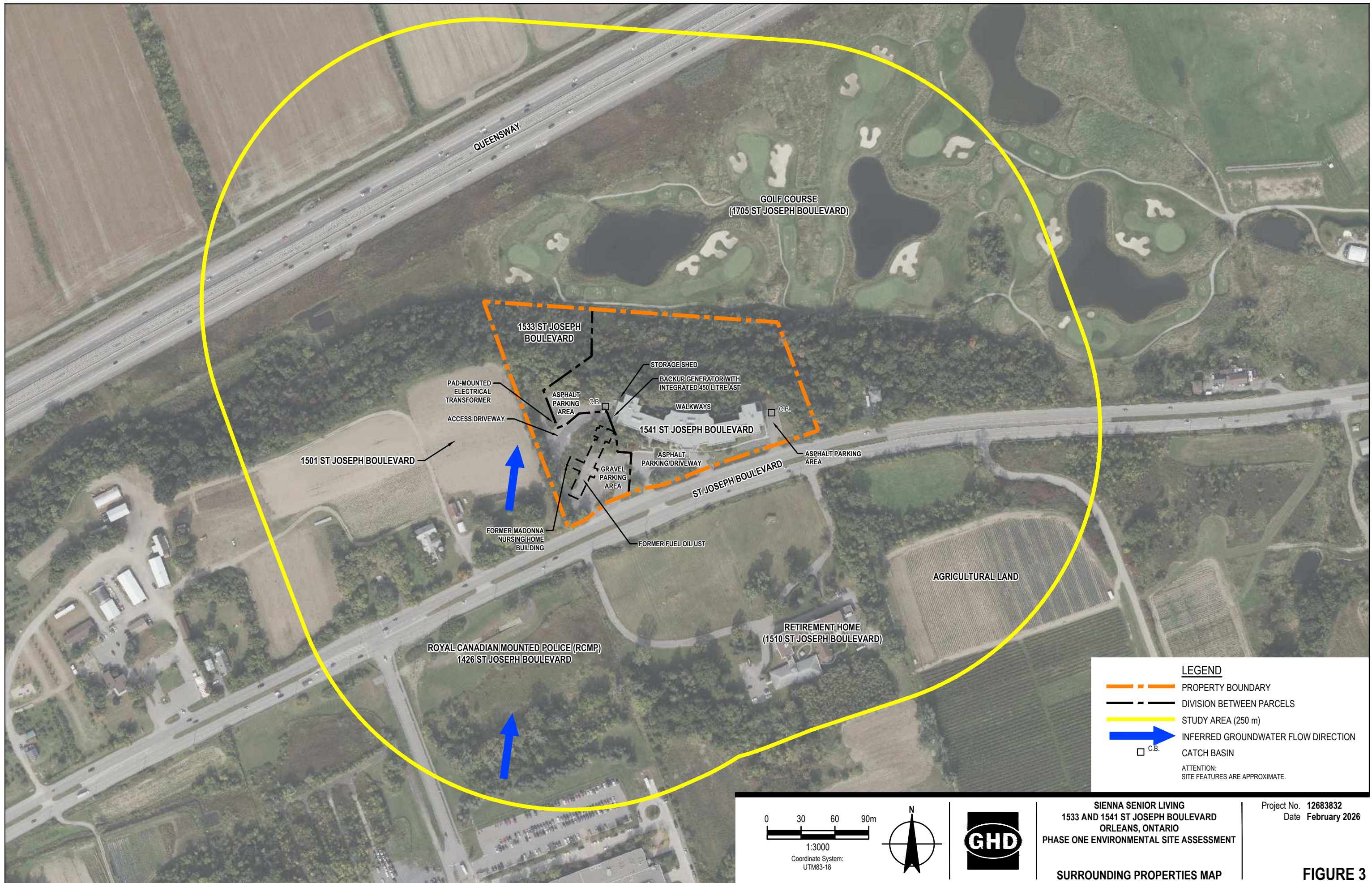
SIENNA SENIOR LIVING
 1533 AND 1541 ST JOSEPH BOULEVARD
 ORLEANS, ONTARIO
 PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

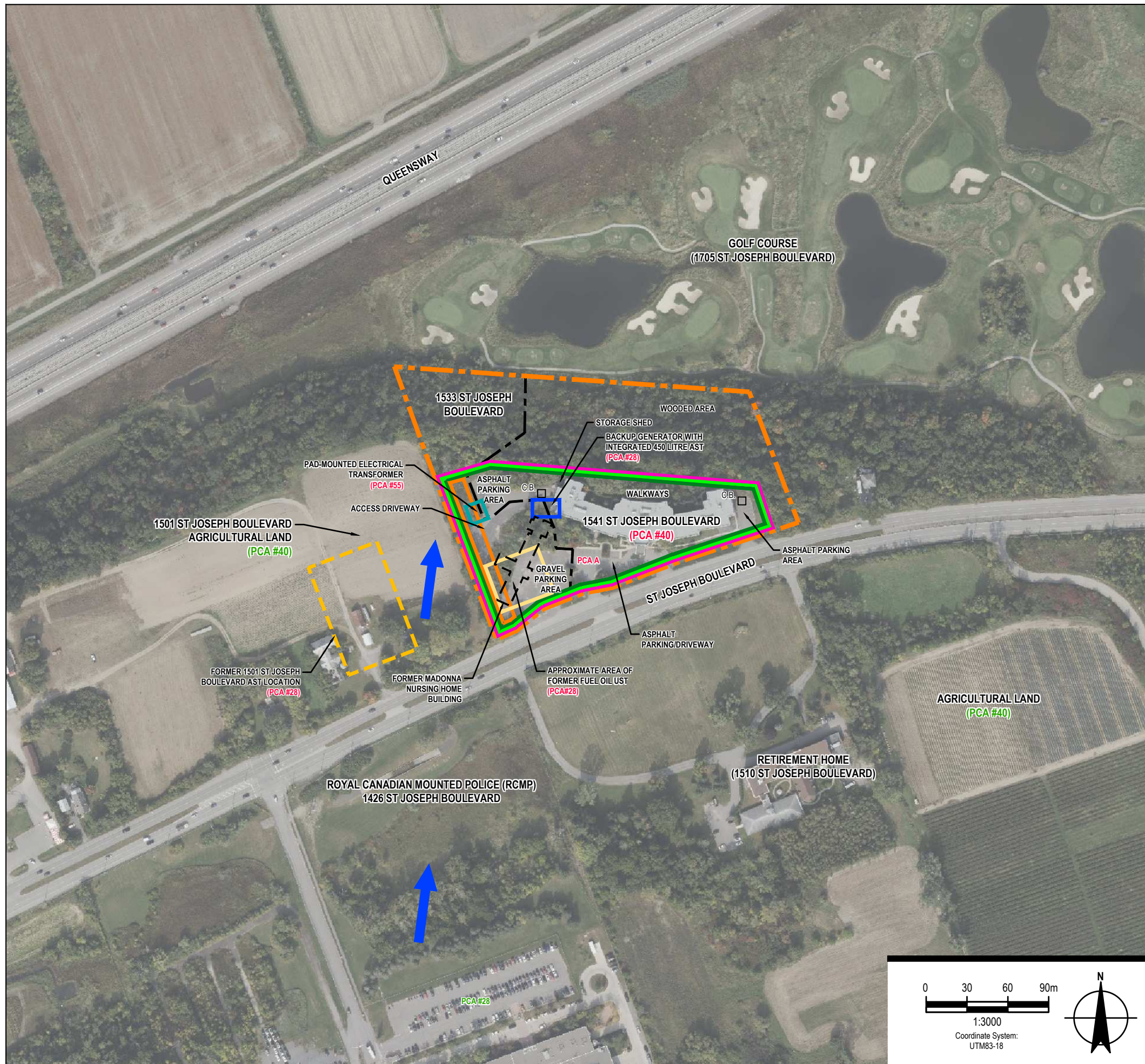
Project No. 12683832
 Revision No. -
 Date Jan 30, 2026

SITE LOCATION MAP

FIGURE 1







LEGEND

- PROPERTY BOUNDARY
- DIVISION BETWEEN PARCELS
- C.B.
- ➔ INFERRED GROUNDWATER FLOW DIRECTION
- PCA #28 CONTRIBUTING PCA
- PCA #40 NON-CONTRIBUTING PCA
- APEC #1**
FORMER FUEL OIL UNDERGROUND STORAGE TANK
(1533 PROPERTY PARCEL; PCA #28)
- APEC #2**
DIESEL POWERED BACKUP GENERATOR WITH ABOVEGROUND STORAGE TANK
(1541 PROPERTY PARCEL; PCA #28)
- APEC #3**
FORMER FUEL ASTs (1501 ST JOSEPH BOULEVARD)
(PCA #28)
- APEC #4**
POTENTIAL PESTICIDE USE
(PCA #40)
- APEC #5**
PAD MOUNTED TRANSFORMER
(1533 PROPERTY PARCEL; PCA #55)
- APEC #6**
FILL MATERIALS OF UNKNOWN QUALITY
(PCA #30)
- APEC #7**
ROAD SALT USE
(PCA A)

ATTENTION:
SITE FEATURES ARE APPROXIMATE.

PCAs POTENTIALLY CONTRIBUTING TO APECs ON THE SITE

- 28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS
- 30 - IMPORTATION OF FILL OF UNKNOWN QUALITY
- 40 - PESTICIDES (INCLUDING HERBICIDES, FUNGICIDES AND ANTI-FOULING AGENTS) MANUFACTURING, PROCESSING, BULK STORAGE AND LARGE-SCALE APPLICATIONS
- 55 - TRANSFORMER MANUFACTURING PROCESSING AND USE
- A - APPLICATION OF DE-ICING AGENTS

1:3000
Coordinate System:
UTM83-18

SIENNA SENIOR LIVING
1533 AND 1541 ST JOSEPH BOULEVARD
ORLEANS, ONTARIO
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

PHASE ONE CONCEPTUAL SITE MODEL

Project No. **12683832**
Date **February 2026**

FIGURE 4

Appendices

Appendix A

Project Personnel Curriculum Vitae



Matthew Rousina-Webb

Environmental Technician



Location

Ottawa, ON, Canada

Experience

2 years

Qualifications/Accreditations

- Environmental Technician Diploma, Algonquin College 2022
- BSc Chemistry, Queen's University, Ongoing

Key technical skills

- Environmental site assessments
- Environmental monitoring and sampling
- Data analysis and technical report writing
- Scientific and experimental research

Relevant experience summary

Matthew is a Junior Environmental Technician with 2 years of experience. He has assisted with, and conducted environmental site assessments, topographic surveys, environmental monitoring programs, report writing, and drilling/construction oversight. Matthew has experience with technical writing, well development, data entry and analysis, wildlife surveys, ecological land classification, and surface water, ground water, soil, landfill gas, and residential well sampling. He also has experience formulating and updating standard operating procedures. Matthew has worked on research projects for the National Research Council and the University of Ottawa, providing laboratory assistance, data collection, data analysis, and operating spectrographic equipment.

Project experience – Environmental

Panattoni Excess Soil Oversight

Environmental Technician |
Panattoni | Ottawa ON, Canada |
June 2024

Matthew was a coordinator and field resource for the sampling and cleanup of a diesel spill. He coordinated the resources need to conduct the work and supervised the remediation, conducted the field screening, using a photo ionization detector, to approximate the extent of the diesel spill and collected confirmatory sampling from the excavation site.

AMOCO/Former Fabrics and Fibres Facility

Environmental Technician |
HCISPA | Hawkesbury ON, Canada |
June 2024 – January 2025

Matthew was a coordinator, field resource, and report writer for a Phase Two ESA. He coordinated the resources need to conduct the work and conducted the groundwater sampling and surveying of monitoring wells using a laser level to assess groundwater

elevations. He was responsible for the field data, completed data entry, created tables, conducted analysis and assisted in writing the report.

Snow Depot Groundwater Monitoring Program

Environmental Technician |
Hawkesbury | Hawkesbury ON, Canada |
June 2024

Matthew was a coordinator, field resource, and report writer for this project. He conducted ground water sampling activities, including the coordination and implementation of traffic control to safely access monitoring in roadways. Matthew also conducted the data analysis and creating tables/graphs for the technical memorandum.

Broccolini Construction Site

Environmental Technician |
Broccolini | Cornwall ON, Canada | April 2024

Matthew was a coordinator and field resource for this project. He helped in establishing soil sampling locations using an EOS GPS and cross-referencing

sampling areas with a historical site map. Matthew conducted stockpile and test pit soil sampling, Matthew used a PID to test for potential VOCs before collecting soil samples. Matthew contributed as the primary author for the 2024 report.

Mayer Environmental Assessment

**Environmental Technician |
781998 Ontario Inc. | Hawkesbury, ON, Canada |
May 2024 – January 2025**

Matthew was a coordinator and field resource for this project. He conducted surface water, landfill gas, residential well and groundwater sampling across the site. Matthew used various equipment for the sampling activities including: a multiparameter water meter, gas analyser, gas pump, high flow groundwater pump, offroad vehicle. Matthew had stakeholder interactions, communicating with residents in the nearby area about sampling their water for potential contamination. Matthew also conducted flow rate measurements for various surface water locations. Matthew was responsible for equipment acquisition and constructing purchase orders and equipment requisition forms for the project.

Hawkesbury Lagoon Landfill

**Environmental Technician
Ministry of Natural Resources and Forestry |
Hawkesbury ON, Canada |
May 2024 – November 2024**

Matthew was a coordinator and field resource for this project. He conducted low flow groundwater sampling from monitoring wells using peristaltic pumps. Due to the time constraints placed on the project, Matthew managed two peristaltic pumps simultaneously to sample from two separate monitoring wells at the same time. Matthew was responsible for creating purchase orders for the project and equipment acquisition.

Linear Park

**Environmental Technician |
City of Ottawa | Ottawa ON, Canada |
May 2024**

Matthew was a field resource for this project. Matthew assisted in drilling oversight, ensuring that monitoring wells were installed in the correct locations. During drilling, Matthew logged core samples and created borehole logs for each location. After well installation, Matthew developed each of the wells and took GPS readings of each. After well development Matthew used low flow pumping methods to sample the newly installed well water.

Convertus

**Environmental Technician |
Convertus | Ottawa ON, Canada |
May 2024**

Matthew was a field resource for this project. He assisted in groundwater and surface water sampling activities using a low flow peristaltic pump and bladder pumps to sample groundwater.

PSPC Phase II and Phase III

**Environmental Technician |
PSPC | Ottawa ON, Canada |
September 2024 – November 2024**

Matthew supervised overburden and bedrock drilling for the Phase II and Phase III ESAs. Matthew completed sampling events for ground water using bailers for the Phase II and Phase III ESAs. Additionally completing soil sampling during the drilling events and via test pitting. Matthew supervised all on site contractors for the Phase II and Phase III ESA drilling events.

Trenton Drilling Project

**Environmental Technician |
Confidential | Trenton ON, Canada |
August 2024**

Matthew was a field resource and aided in the technical reporting for this project. Matthew progressed a total of 70 boreholes and supervised the installation of 4 monitoring wells for this project, under highly restrictive site conditions. Matthew was responsible for all OGC data entry and creation of applicable borehole logs from gathered data. Matthew conducted soil sampling and soil core logging for all progressed boreholes.

IO Brockville Project

**Environmental Technician |
Infrastructure Ontario | Brockville ON, Canada |
September 2024 – January 2024**

Matthew provided field support for this project. Matthew was responsible for multiple rounds of groundwater sampling using low flow peristaltic pumps. Matthew has been a part of the hydrogeological investigation, collecting data from and installing barometers and levelloggers in wells. Matthew has worked on the site during poor weather conditions, using a metal detector and GPS equipment to locate flush mount wells on site.

IO Quinte Project

**Environmental Technician |
Infrastructure Ontario | Napanee ON, Canada |
September 2024 – January 2025**

Matthew provided field support for this project. Matthew surveyed monitoring well locations using an EOS GPS. Additionally aiding in utility locates and staking of planned borehole locations. Matthew has been a part of the hydrogeological investigation, collecting data from and installing barometers and levelloggers in wells. Matthew has worked on the site during poor weather conditions, using a metal detector and GPS equipment to locate flush mount wells on site.

Hydro One Transformer Station Line Tap

**Environmental Technician |
HONI | Ottawa ON, Canada |
October 2024 – February 2025**

Matthew has provided field support for various transformer station locations across Ottawa. Matthew has conducted groundwater sampling, soil sampling, and supervised drilling and hydrovac operations on site.

Cecil Facer Youth Centre Phase II

**Environmental Technician |
Cecil Facer Youth Centre | Sudbury ON, Canada |
July 2024 – August 2024**

Matthew aided in the creation of the proposal for the Phase II ESA. Matthew gathered information from past Phase I ESAs and planned borehole placement for the upcoming Phase II. Matthew provided technical writing support for the Phase I ESA proposal.

Ontario Police College Phase I

**Environmental Technician |
OPC | Aylmer, ON, Canada |
July 2024- August 2024**

Matthew aided in the creation of the Phase I ESA proposal. Matthew gathered information from prior Phase I ESAs conducted on site to establish relevant PCAs and APECs for the upcoming Phase I ESA. Matthew provided technical writing support for the Phase I ESA proposal.

PHAI Environmental Support

**Environmental Technician |
Canadian Nuclear Laboratories | Port Hope ON,
Canada |
August 2024 – March 2025**

Matthew provided environmental oversight and support for the Port Hope Area Initiative. Matthew conducted dust and noise monitoring and enforced environmental compliance through construction

activities. Matthew worked in construction site conditions, working in an environment with radiological contamination, zoning restrictions, and procedures.

Centennial Park Environmental Assessment

**Environmental Technician |
Renfrew County Municipality | Petawawa ON,
Canada |
November 2022**

Matthew was a field resource and report writer for this project. Matthew conducted a Phase I Environmental Site Assessment for a redeveloped landfill known as Centennial Park. He conducted topographic surveys of the park and identified PCAs and APECs for the area. Under the request of the county municipality Matthew also took sparse soil samples using a hand auger to get a representation of the fill used for the site. Matthew developed a conceptual site model using topographic information to highlight PCAs and APECs.

Project experience – Scientific Research

Use of Mesoporous Organosilicas as Photocatalysts

**Photochemistry Research Assistant |
uOttawa | Ottawa ON, Canada |
September 2014 – May 2015**

Matthew prepared various chemical solutions and characterized various catalysts using Gas Chromatography and Mass Spectroscopy. Matthew conducted experiments to determine photocatalytic capabilities of various compounds in the laser laboratory. Afterwards, recovering the used catalyst by separating the solution using a centrifuge. Matthew assisted in technical report writing and was responsible for data collection and analysis of experimental results.

Determining Purity of Organic Compounds

**Chemical Metrology Research Assistant |
NRC | Ottawa ON, Canada |
June 2015 – August 2015**

Matthew assisted in the use of the Nuclear Magnetic Resonance Spectrometer. Matthew prepared NMR samples with high degrees of precision to determine purity of organic compounds for use as standards. Matthew analysed resulting spectrographs from NMR tests and tabulated data. Matthew assisted in the maintenance of the NMR spectrometer.

Project experience – Manufacturing

HEXO Contract Work

**Harvest Specialist |
HEXO | Masson-Angers QU, Canada |
May 2022 – September 2022**

Matthew assisted in QA/QC of product on the production line. He created reports to suggest, implement and streamline production strategies. Additionally, helping with the maintenance of production heavy machinery. Matthew was responsible for updating and maintaining standard operating procedures within the workplace.

Career history

2024 - present	GHD, Environmental Technician
2023	Algonquin College, Environmental Technician Tutor
2021	HEXO, Harvest Specialist
2015	University of Ottawa, Photochemistry Research Assistant
2015	National Research Council, Chemical Metrology Research Assistant



Aditya Khandekar P.ENG., PE.

Environmental Engineer



Location

Toronto, Ontario, Canada

Experience

15 years

Qualifications/Accreditations

- Master of Engineering (ME), The University of Texas at Arlington, USA, 2009
- Bachelor of Engineering (BE), The M.S. University of Baroda, India, 2007

Key technical skills

- Project Management
- Field Execution Experience
- Environmental Site Assessments
- Environmental Investigation and Remediation
- Excess Soil Management
- Qualified Person Environmental Site Assessment (QP_{ESA})

Memberships

- Professional Engineer (P. Eng.), Professional Engineers Ontario (100565460)
- Professional Engineer (P. Eng), Association of Professional Engineers and Geoscientists of Saskatchewan (47119)
- Professional Engineer (PE), Texas Board of Professional Engineers and Land Surveyors (120013)

Relevant experience summary

Aditya is a Senior Project Manager and Environmental Engineer with over 15 years of environmental consulting experience. Aditya is a licensed Professional Engineer in the Provinces of Ontario and Saskatchewan in Canada and Texas, USA. Aditya's experience in North America includes conducting due diligence assessments (Phase One/I and Two/II Environmental Site Assessments [ESAs]), proposal and work plan development, project coordination and management, field execution, subcontractor procurement, soil excavation and oversight, data analysis, and technical report writing. Aditya has a client-facing role and has managed several projects ranging from simple Phase I/One ESAs to fast-tracked multidisciplinary complex projects involving environmental, geotechnical, hydrogeological, and designated substances due diligence investigations ranging from \$5k to over \$1M. Aditya has experience working on projects with government clients, property developers, retail fueling clients, and small business owners.

Site Assessor | Project Manager/Project Coordinator | USA and Canada |

Aditya has extensive knowledge of due diligence Phase One/Two ESAs and reports preparation following the ASTM 1527, Ontario Regulation (O. Reg.) 153/04, and Canadian Standard Association (CSA) Standard Z768-01 guidance. Aditya assists clients in understanding potential environmental issues/risks involved in the purchase/ sale agreements of properties and in managing environmental liabilities to support long-term business needs. Aditya has experience conducting various type of Phase One ESAs in US and Canada including gas stations, automotive repair facilities, oil and gas facilities, multi-retail facilities, hospitals, small -cale manufacturing facilities, and smelters. Recently in 2025, Aditya completed a Phase I ESA of a large pulp-manufacturing facility in Saskatchewan with multiple areas of operations to identify areas of environmental

impairment associated with the manufacturing operation.

Within Ontario, Aditya has thorough knowledge for the application of Record of Site Condition (RSC), Phase Two ESA conceptual site models (CSMs) to support Risk Assessments (RAs) and O. Reg. 406/19 On-Site and Excess Soil

Project Management Lead | Infrastructure Ontario | Toronto, Ontario, Canada | 2019 – Present

Since 2019, Aditya acts as one of the primary contacts for GHD's Vendor of Record contract with Infrastructure Ontario, which has included Phase One and Two ESAs, designated substances surveys, remediation oversight, risk assessment, geotechnical and hydrogeological investigations, and RSCs.

Aditya attends monthly vendor calls, tracks the performance of GHD's projects with internal teams, acts as a key technical contact regarding

environmental site assessments, and manages a variety of Infrastructure Ontario projects.

Projects have included performing due diligence investigations to assess the subsurface conditions at various hospital properties (North York General Hospital, Lakeridge Health, William Osler Health System, Trillium Health Partners, Children's Hospital of Eastern Ontario etc.), correctional facilities, courthouses etc. in Ontario.

Project Manager

City of Toronto | Toronto, Ontario, Canada | 2022 - Present

Since 2022, Aditya acts as one of the project managers on GHD's Excess Soil team to ensure compliance with O. Reg. 406/19 and its Soil Rules and any applicable environmental regulations. The project support includes conducting field work to support City of Toronto Culvert Replacement and Rehabilitation projects (~15 projects between 2022 to 2025). Tasks include preparation of soil management plans, excess soil reports (assessment of past uses, sampling and analysis plans, soil characterization reports, excess soil destination assessment reports, excess soil registry etc.) and acting as City's Qualified Person (QP_{ESA}) to address project related queries with various stakeholders.

Project Manager/Project Coordinator | Retail Fuelling Facilities | Texas, USA 2014 – 2018

From 2014 to 2018, Aditya was a project manager/coordinator with a client-facing role for a major gas station/convenience store retail client in the USA with a chain of over 150+ retail and fueling stores and travel centers in Texas and Nebraska.

The type of projects involved included due diligence assessments (Phase One and Two ESAs), Petroleum Storage Tank (PST) system removals, soil and groundwater remediation and risk assessments, regulatory compliance inspections, construction support for new stores, and waste handling support. Aditya also managed multiple emergency response projects related to releases from overfills, piping leaks, and dispenser releases at these fuelling facilities.

Environmental Investigation and Remediation | Field Coordinator | Electrical Resistive Heating (ERH) | New York, USA | 2011- 2012

In 2011 and 2012, Aditya supervised installation of a ERH remediation system via roto sonic drilling method and conducted ERH system monitoring which included daily and weekly collection of groundwater and soil vapour samples over a period of 2+ years to remediate a chlorinated solvent plume underneath a former manufacturing facility in upstate New York.

As a Junior Engineer, Aditya prepared work plans, weekly progress report, comprehensive final reports,

contract documents and performed data management, data analysis and interpretation.

Field Staff | Multiple Projects | USA and Canada

Aditya has managed, coordinated, and supervised subcontractors for soil, groundwater, and soil vapour assessments in US and Canada. Recent Ontario project experience includes various projects within Greater Toronto Area, Kenora, Atikokan, Schreiber, Ottawa, etc.

Aditya has extensive knowledge of various drilling methods for collecting soil samples and installation of groundwater monitoring wells.

Career history

2018 - present	GHD, (formerly Conestoga-Rovers & Associates), Toronto, ON, Canada
2014 – 2018	GHD (formerly Conestoga-Rovers & Associates), Dallas, TX, USA
2011 - 2014	Sanborn Head & Associates Inc., Concord, NH, USA



Gregory R. Brooks P. ENG.

Technical Director



Location

Waterloo, Ontario, Canada

Experience

36 years

Qualifications/Accreditations

- B.A. Sc., - Civil Engineering, University of Waterloo, 1987

Memberships

- Licensed Professional Engineer: Ontario
- Former Ontario Chapter Executive, National Brownfield Association

Relevant experience summary

Gregory is a professional engineer and a Principal in GHD. Gregory leads GHD's Canadian Environmental Due Diligence practice and has been extensively involved in Site Investigations, Phase I and II ESAs, Site Remediation, Risk Assessment, and Brownfield Redevelopment in Canada and the United States. Past experience also includes the planning and implementation of Environmental Compliance Assessments in Canada and the United States. Gregory also oversaw the development and implementation of GHD North America's ISO 9001 Quality System.

Remedial Design/Construction

- Construction supervision of leachate collection system and treatment facility for groundwater contaminated with coal tar. Treatment facility consisted of physical tar/water separation followed by chemical adsorption using granular activated carbon for the Regional Municipality of Ottawa Carleton – Lees Avenue Transitway Station, Ottawa, Ontario.
- Design of leachate recirculation system to enhance rapid landfill stabilization for Metropolitan Toronto – Keele Valley Landfill Site, Maple, Ontario.
- Design and construction of landfill gas recovery and utilization for the Regional Municipality of Waterloo – Kitchener, Ontario.
- Design of groundwater extraction system for contaminated groundwater at existing cement plant for Canada Cement Lafarge, Woodstock, Ontario.
- Supervision of excavation and securement of soils contaminated with coal tar for the Regional Municipality of Ottawa Carleton – Lees Avenue Transitway Station, Ottawa, Ontario.
- Development of remediation plan for the former coal gasification plant in Woodstock, Ontario. Study included complete field investigation and evaluation of remedial alternatives for the City of Woodstock, Woodstock, Ontario.
- Executed a hydrogeologic investigation of coal tar contaminated site including the design of remedial alternatives for the Algoma Steel Corporation, Sault Ste. Marie, Ontario.
- Site Engineer during bioremediation project for soils contaminated with oil tar. Project also included sampling of soils and analysis of analytical data for Ultramar Canada, Port Stanley, Ontario.
- Remedial action plan design for a former lead Smelting and Refinery Plant for Toronto Refiners and Smelters Ltd., Toronto, Ontario.
- Design Operations and Stormwater Management Plans for a proposed clay borrow operation. The project involved all required engineering support for a Joint Board Hearing under the Consolidated Hearing Act for the Municipality of Metropolitan Toronto, Toronto, Ontario.
- Design of a Coal Tar Collection System which included; shallow perforated pipe collector, deep coal tar collection well, creek rerouting and infilling, and overflow weir tar collector for the Algoma Steel Corporation, Sault Ste. Marie, Ontario.
- Site Engineer during remediation of a diesel fuel spill. Project included site remediation with contaminated soil removal and redesign of existing fuel facilities. Construction of a temporary fuel facility was required during construction for the Britannia Water Filtration Plant, Regional Municipality of Ottawa Carleton, Ottawa, Ontario.

- Site supervisor during the excavation of coal tar contaminated materials, Lancaster Street reconstruction for the City of Kitchener, Kitchener, Ontario.
- Project Manager for the decommissioning of a rental car service facility at the Lester B. Pearson International Airport. Remedial activities included UST closure, mitigation of soil impacts attributable to past spills and site restoration for Avis Rent A Car System.
- Project Manager for Remedial Design, including the change of USEPA Record of Decision at a former Tannery Site in Sault Ste. Marie Michigan.
- Site investigation and design of groundwater pump and treatment system for a retail service station in Kitchener Witter's Fuels.
- Preliminary Assessment, Site Investigation and Remedial Investigation for ISRA closure of a manufacturing facility in Perth Amboy, New Jersey.
- Design and construction oversight for an air sparging and soil vapour extraction system to remove chlorinated solvents from groundwater at the downgradient perimeter of an industrial facility, Brantford, Ontario.
- Design of a groundwater extraction and treatment facility to remove trichloroethylene from groundwater, Guelph, Ontario.
- Design of a chemical oxidation remedial program to remedial shallow groundwater under a chemical storage shed, Waterloo, Ontario.
- Design and oversight of soil remediation of an active trucking facility, Mississauga, Ontario.
- Consultant to the Town of Collingwood on the Brownfield redevelopment of the Canada Steamship Lines property.
- Consultant to the University of Waterloo on the development of the School of Pharmacy and Medical School campus in Kitchener, Ontario.
- Investigation and development of remedial cost estimates for a former footwear manufacturing facility that was impacted with chlorinated solvents in Kitchener, Ontario.
- Investigation and preparation of a Remedial Action Plan for a former automotive parts manufacturing facility that was impacted with chlorinated solvents in Waterloo, Ontario.
- Investigation of a former electronics manufacturing facility impacted with chlorinated solvents in Kitchener, Ontario.

Environmental Management Systems

- Development and implementation of an Environmental Management System for five manufacturing facilities located in Ontario – GSW Inc. One of these facilities implements an isocyanate control and monitoring program.
- Development and implementation of an Environmental Management System for 16 automotive parts manufacturing facilities in Ontario – Linamar Corporation.
- Development of an Environmental Management System for a large automotive frame manufacturing facility in Ontario – Budd Canada Inc.
- Completed ISO 14000 GAP analysis on largest quarry operation in Ontario.
- Review of aspects and impacts for large chemical manufacturing facility.
- Completed ISO 14000 GAP analysis of heat treating facility.
- Development and implementation of an ISO 14000 compliant EMS for electronics manufacturer (Christie Digital).
- Development of ISO 14000 EMS for two glass mat plants and a ceramic materials plant.

Facility Decommissioning/Brownfields

- Decommissioning of a 200,000 square foot manufacturing facility to accommodate change in land use and sale of property – FMG Timberjack.
- Investigation and decommissioning of a 200,000 square foot former smelting facility in Scarborough, Ontario to facilitate sale and redevelopment of the property – Eli Lilly Canada. Project included design of a vapour barrier to mitigation potential for migration of chlorinated solvents to indoor air.
- Site investigation and remedial design for decommissioning of a former pesticide formulation plant for Pfizer C&G Inc., Sarnia, Ontario.
- Assessment and clean-up of a former outboard marine motor manufacturing facility to accommodate change in land use and sale of property. Assessment included a Site Specific Risk Assessment completed in accordance with the MOE Contaminated Sites Guideline.
- Fuel facility decommissioning for trucking facility in Oshawa, Ontario Yellow Freight System Inc.

Risk Assessment Projects

- Risk Assessment for a former industrial manufacturing facility to facilitate redevelopment for Big Box commercial use.
- Risk Assessment for a former textile facility to facilitate redevelopment for institutional use (University of Waterloo).
- Risk Assessment of residential neighbourhood to evaluate potential exposure to trichloroethylene and degradation compounds from shallow groundwater (United Technologies Corporation).

- Risk Assessment of an industrial facility in Toronto to facilitate management of solvent impacts under the building floor.
- Risk Assessment of a former commercial property with past industrial uses to facilitate development of an institutional facility that includes residential land uses.
- Risk Assessment of a former lakefill and industrial property in downtown Toronto, for reuse as residential/commercial (Context Developments).
- Risk Assessment (ongoing) of a former distillery for development into a University campus (Balsillie School Waterloo).
- Risk Assessment (ongoing) of a former trucking facility and service station in Kitchener, Ontario.
- Risk Assessment (ongoing) of a former automotive parts manufacturing facility in Waterloo, Ontario.
- Risk Assessment (ongoing) of a commercial shopping mall impacted with hydrocarbons in London, Ontario.
- Risk Assessment (ongoing) of a former paint manufacturing facility in Mississauga, Ontario.

Environmental Site Assessment and Compliance Assessment Experience

- Completed over 500 Phase I Environmental Site Assessments and Phase II Environmental Site Assessments at facilities in Canada, the United States, Mexico, and Europe. Selected experience listed below.
- Environmental Compliance Assessment for Canadian Gypsum Corporation mine site in Hagersville, Ontario.
- Phase I Environmental Site Assessment of a large aggregate extraction and processing firm. The Phase I Environmental Site Assessment included 26 sites located in Ontario and Michigan. Facilities included pits, quarries, aggregate processing operations, and truck servicing shops. Audits were focused on historical practices as well as compliance with current environmental legislation.
- Historic Site Operations Audit of a closed landfill site located in Southern Ontario for Waste Management of Canada Inc.
- Phase I Environmental Site Assessment of two automobile parts manufacturing facilities located in Southern Ontario. Audit focused on compliance with environmental legislation for TRW Canada Limited.
- Multiple Phase I and II Environmental Assessments, and Remedial Activities for an international equipment manufacturer and retailer. Work included Sites in Quebec, Ontario, Manitoba, Saskatchewan and British Columbia for the J.I. Case Company – Racine, Wisconsin.
- Phase I Environmental Site Assessment, and Phase II Work Plan, of a national transportation company. Assessments were completed preparatory to the sale of the business for Kingsway Transport – Federal Industries.
- Phase I Environmental Site Assessment, and Phase II Site Remediation for a former adhesive manufacturing facility in Toronto, Ontario – Nacan Products Limited, Brampton.
- Phase I Environmental Site Assessment, Environmental Compliance Assessment, Phase II Site Investigation, and Phase III Environmental Work Plan for an automobile parts manufacturer in Waterloo, Ontario for General Motors, Detroit, Michigan.
- Phase I Environmental Site Assessment, Phase II Environmental Site Assessment, and implementation of plant closure and cleanup for 185,000 square foot spark plug manufacturing facility – Champion Spark Plug, Windsor, Ontario.
- Phase I Environmental Site Assessment and Phase II Environmental Site Assessment of former Aluminum Smelting facility and negotiation with MOEE for limited cleanup program and redevelopment of the property – Eli Lilly Canada.
- Phase I Environmental Site Assessment and Phase II Environmental Site Assessment of a 1.5 million square foot diesel electric locomotive and light armored vehicle manufacturing facility, London, Ontario – General Motors of Canada Diesel Division.
- Phase I Environmental Site Assessments and Compliance Assessments of approximately 26 funeral homes, cemeteries, and crematories in British Columbia, Alberta, Manitoba, Saskatchewan, Ontario, Quebec, New York, Michigan, and New Jersey – The Loewen Group.
- Project Manager for 22 Phase I and II Environmental Site Assessments of Diversey Inc. facilities in Canada, United States, United Kingdom, Mexico, and the Caribbean – Unilever Canada Inc. Also completed four Environmental Compliance Assessments.
- Phase I Environmental Site Assessments of five metal fabrication facilities in Brooklyn, New York – Masco.
- Phase I and Phase II Environmental Site Assessment of a former automotive parts manufacturing facility prior to purchase, Cambridge, Ontario – Challenger Motor Freight.
- Phase I Environmental Site Assessment and Compliance Assessment of a seafood preparation facility including an evaluation of wastewater treatment requirements and associated costs – Unilever Canada Inc.
- Phase I Environmental Site Assessments and Compliance Assessments of three chemical blending facilities prior to acquisition by Unilever Inc. – Baltimore, Maryland, Omaha Nebraska and Charlotte, North Carolina.
- Phase I and Phase II Environmental Site Assessment of former paint manufacturing facility, retail service

- station, scrap yard and leather goods manufacturer, Vancouver, British Columbia – The Loewen Group.
- Phase I Environmental Site Assessment of a refrigerated warehouse facility to support the sale of the property, Belleville, Ontario – Coca Cola Foods.
- Phase I Environmental Site Assessment and Compliance Assessment of two tube manufacturing facilities, Sault Ste. Marie and London, Ontario – Arc Tube.
- Phase I Environmental Site Assessment of industrial facility for lease termination, Stoney Creek, Ontario – Westinghouse Canada.
- Numerous Phase I Environmental Site Assessments of trucking facilities – Yellow Freight Systems/Roadway.
- Phase I and Phase II Environmental Site Assessment of drycleaning facilities, Abbotsford and Kelowna, British Columbia, and Barrie, Ontario.
- Phase I Environmental Site Assessment of former railway line, North Bay, Ontario, Owen Sound, Ontario and Sarnia, Ontario.
- Phase I Environmental Site Assessment of forge facility in Ontario Linamar Corporation.
- Phase I Environmental Site Assessments of numerous rental car facilities in Eastern Canada – Avis Rent A Car System.
- Phase I Environmental Site Assessment of trucking facility in Port Clinton, Ohio – Challenger Motor Freight Inc.
- Phase I Environmental Site Assessment of pigment manufacturing facility in Bromont, Quebec – Dominion Colour Corporation.
- Phase I Environmental Site Assessment of dairy facility in Ontario – Dairyworld Foods.
- Environmental Compliance Assessment of large PVC film manufacturing facility, Cambridge, Ontario – Canadian General Tower.
- Phase I Environmental Site Assessment of pyrotechnics manufacturing facility in Ontario – Miller Thomson.
- Phase I Environmental Site Assessment of several dairy facilities in Ontario and Quebec – Parmalat.
- Phase I Environmental Site Assessment and Compliance Assessment for three lighting fixture manufacturing facilities in New Windsor, New York.
- Phase I and II Environmental Site Assessment of large block of land in downtown Calgary for mix use residential and commercial redevelopment.
- Phase I and II Environmental Site Assessment of paint manufacturing facility in Mississauga, Ontario.
- Phase I and II Environmental Site Assessment of plate glass manufacturing facility in Owen Sound, Ontario.
- Phase II Environmental Site Assessment of former manufacturing facility in Guelph, Ontario.
- Phase I Environmental Site Assessment of rock wool manufacturing facility in Sarnia, Ontario.

Career history

2014 - present	Principal, GHD (formerly Conestoga-Rovers & Associates), Waterloo, ON
2009	Named to CRA Executive Committee
1999	Named CRA Principal
1996	Named CRA Associate

Appendix B

Fire Insurance Information



enviroscan



175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 1 877 244 9437
W: optaintel.ca

Stephanie

Site Address:

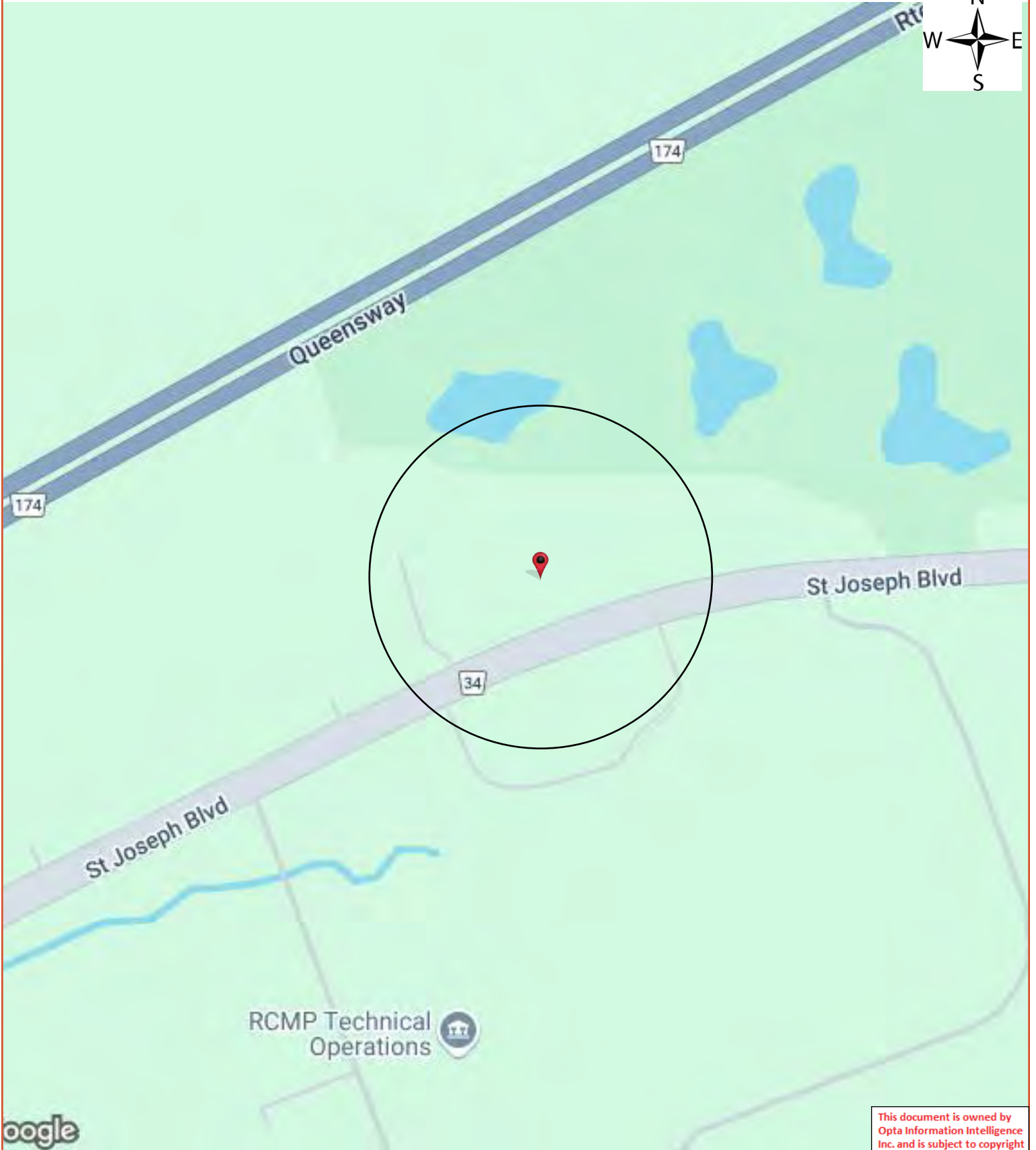
1541 St Joseph Boulevard Ottawa ON

Project No:
24082701164

Opta Order ID:
148678

Requested by:
Eleanor Goolab
Ecolog Eris

Date Completed:
9/7/2024 11:49:54 AM



Opta Historical Environmental Services EnviroscanTM Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

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The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

No Records Found

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Eleanor Goolab

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OPTA INFORMATION INTELLIGENCE

No Records Found



Appendix C

Previous Environmental Reports

patersongroup

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Phase I-II - Environmental Site Assessment
Madonna Nursing Home
1533 St. Joseph Boulevard
Ottawa, Ontario

Prepared For

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February 9, 2005

Report: PE0373-1

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EXECUTIVE SUMMARY

During the interim of December 17, 2004 through January 24, 2005, Paterson Group (Paterson) conducted a Phase I-II - Environmental Site Assessment of the property located at 1533 St. Joseph Boulevard, in the City of Ottawa (formerly Orleans), Ontario.

Our findings regarding environmental issues pertaining to the subject property and recommendations are summarized below. Detailed recommendations are provided in Section 6.0 of this report.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT				
Summary of Findings and Recommendations				
Potential Environmental Concern	Level of Concern	Findings	Recommendation or Action Taken	Reference Section
Historical Review				
Historical Land Use Subject Property	low	Institutional (reportedly a convent prior to the Madonna Nursing Home).	none	4.3
Historical Land Use Adjacent Properties	low to moderate	Residential and vacant, agricultural lands.	none	4.3
Exterior Assessment				
Fuels and Chemicals	low	No signs of ASTs on the exterior of the property. A former UST was reportedly located along the front of the building west of the lounge area.	Phase II-ESA recommended and carried out to address former UST.	4.4
Waste Management	none	Waste and recycling are collected in bins at the rear of the building and are disposed of on a regular basis by a licenced contractor.	none	4.4

PHASE I - ENVIRONMENTAL SITE ASSESSMENT				
Summary of Findings and Recommendations (Continued)				
Potential Environmental Concern	Level of Concern	Findings	Recommendation or Action Taken	Reference Section
Hazardous Building Products				
Asbestos Containing Materials (ACMs)	low	Based on age of building ACMs suspected in the building.	Asbestos survey recommended and carried out. Refer to Report: PE0373-LET.01	4.5
Lead	low	Based on previous engineering reports, no lead-based paint is present within the subject structure.	Refer to Report: PE0373-LET.01	4.5
Polychlorinated Biphenyls (PCBs)	low	Potential PCB containing fluorescent light ballasts and transformers. No signs of leakage or staining were observed.	Remove and replace ballasts on an as-needed basis.	4.5
Urea Formaldehyde Foam Insulation (UFFI)	low	None identified, however wall cavities were not inspected for insulation type.	none	4.5
Interior Assessment				
Fuels and Chemicals	low	Cleaning and maintenance chemicals, including sodium hydroxide and liquid alkali, were observed throughout the subject building. All chemicals were properly stored. No signs of leakage or staining were observed.	Continue to properly manage chemicals.	4.5

PHASE II - ENVIRONMENTAL SITE ASSESSMENT				
Summary of Findings and Recommendations				
Potential Environmental Issue	Level of Concern	Findings	Recommendation	Reference Section(s)
Ozone Depleting Substances (ODSs)	low	Fire extinguishers, air conditioners and refrigerators are possible sources of ODSs.	Regular service and maintenance.	4.5
Wastewater Discharges	low	Subject site discharges to the municipal sewer system. A sump pit was observed in the original basement. No apparent contamination was observed on the water in the pit.	none	4.5
Potable Water Well	low	It was reported that the subject site was previously serviced by a potable water well.	If encountered upon future development of the site, the potable well should be properly decommissioned.	4.5
Private Septic System	low	It was reported that the subject site was previously serviced by a private septic system.	If encountered upon future development of the site, the septic system should be properly decommissioned.	4.5
Adjacent Land				
Current Land Use (Adjacent Properties)	low	Residential, institutional and vacant, agricultural land.	none	4.6

PHASE II - ENVIRONMENTAL SITE ASSESSMENT Summary of Findings and Recommendations				
Potential Environmental Issue	Level of Concern	Findings	Recommendation	Reference Section(s)
Subsurface Investigation				
Soil	low	One (1) borehole was completed with a monitoring well, in the vicinity of the former underground furnace oil tank. One soil sample was submitted for BTEX and PHCs (F ₁ -F ₄) analyses. No BTEX or PHC parameters were detected in the sample submitted for analysis.	none	5.5 & 6.0
Groundwater	low	One (1) groundwater sample was submitted for BTEX and PHCs (F ₁ -F ₄) analyses. No concentrations of BTEX or PHC parameters were detected in the water sample.	none	5.5 & 6.0

1.0 INTRODUCTION

At the request of Sedun & Kanerva Architects, on behalf of Chartwell Seniors Housing REIT, Paterson conducted a Phase I-II - Environmental Site Assessment (ESA) of the property located at 1533 St. Joseph Boulevard, in the City of Ottawa, Ontario.

This report has been prepared specifically and solely for the above noted project which is described herein. It contains all of our findings and results of the environmental conditions at this site.

2.0 SITE INFORMATION

Address: 1533 St. Joseph Boulevard, Ottawa (formerly Orleans), Ontario

Location: The property is located on the north side of St. Joseph Boulevard between Hart Road and Youville Drive. Refer to Figure 1- Key Plan in Appendix 3 for the site location.

Site Description:

Configuration: Irregular
Current Use: The subject site is occupied by a nursing home.
Services: The property is situated in a municipally serviced area.

3.0 SCOPE OF WORK

The scope of work for this Phase I-II - Environmental Site Assessment was as follows:

- Investigate the existing conditions present at the subject site by carrying out a field study and historical review in accordance with CSA Z768-01.
- Carry out a Phase II - ESA (subsurface investigation) of the site, as determined by the Phase I - ESA.
- Provide an environmental site evaluation based on our findings.
- Provide preliminary remediation recommendations and further investigative work if contamination is encountered or suspected.
- Present the results of our findings in a comprehensive report.

4.0 PHASE I- ENVIRONMENTAL SITE ASSESSMENT

4.1 Historical Research

The methodology for the Phase I - Environmental Site Assessment program was carried out in two segments. The first consisted of a historical review which included a brief research of the past use of the site. This portion of the program was carried out by personnel from our environmental division. The following is a list of the key information sources reviewed by this firm, along with other regulatory documents listed in Appendix 1 of this report.

Federal Records

- Maps and photographs, (Geological Survey of Canada surficial and subsurface mapping).
- Air photos at the Energy Mines and Resources Air Photo Library.

Provincial Records

- MOE document titled "Waste Disposal Site Inventory in Ontario".
- Office of Technical Standards and Safety Authority, Fuels Safety Branch.

Municipal Records

- City of Ottawa, Zoning Department.

Local Information Sources

- Personal interviews.
- Previous Engineering Reports.

4.2 Field Assessment

The second segment of the assessment consisted of a field investigation which included a walk-through inspection and detailed visual assessment of the environmental conditions of the subject property. The field investigation was carried out on December 17, 2004, by personnel from our Environmental Division.

As part of the field assessment, the site and existing structure were carefully inspected for signs of the following:

- Evidence of previous or existing fuel storage tanks.
- On-site use or storage of hazardous materials.
- On-site handling or disposal of liquid or solid waste materials.
- Above-ground piping systems, including pumps, valves and joints.
- Truck or rail loading or unloading areas.
- Electrical conduits, abandoned pipelines or pumping stations.
- Remnants of old buildings.
- Signs of surficial contamination (ie. staining, distressed vegetation).
- Unnaturally discoloured, ponded or flowing waters.
- Surficial drainage, wetlands, natural waterways or watercourses through the property (ie. ditches, creeks, ponds, poor drainage).
- Any evidence of potable water supply wells or groundwater monitoring wells (such as leak detection monitoring wells for underground storage tank systems, or abandoned systems).
- Any abnormal odours associated with the site, whether from on-site or off-site sources.
- The presence of any recent soil disturbances such as soil removal, filling, tilling, grading, etc.
- Asbestos containing materials (ACM).
- Urea formaldehyde foam insulation (UFFI).
- PCB containing products.
- Ozone depleting substances (ODS).
- Lead-containing materials.
- Current use of neighbouring properties.

4.3 Historical Land Use

Air Photo Research

Historical air photos of the subject site were reviewed at the National Air Photo Library. Based on the review, the following observations have been made:

- | | |
|------|--|
| 1958 | The western portion of the subject site appears to have been undergoing construction. The remainder of the property was vacant. The northern property line was densely treed. Adjacent properties on the north side of St. Joseph Blvd. appear to have been occupied by residential dwellings (including farmsteads) and vacant, agricultural or treed land. The properties south of the subject site, south of St. Joseph Boulevard, were occupied by a nursing home and by Department of National Defence (DND) lands. |
| 1965 | The subject structure has been developed. No significant changes have been made to the adjacent properties. |
| 1974 | No significant changes have been made to the subject site or to the adjacent properties. |
| 1984 | An addition has been made to the east wing of the subject structure. No other significant changes have been made to the subject site or to the adjacent properties. |
| 1994 | No significant changes have been made to the subject site or to the adjacent properties. |
| 1999 | No significant changes have been made to the subject or adjacent properties. |

Laser copies of some of the aerial photographs taken in the above years are included in Appendix 3 of this report.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted in January of 2005. There are no underground storage tanks recorded in the TSSA registry for the subject property. The subject site is not registered with the TSSA as a private fuel outlet. Surrounding properties immediately adjacent to the subject site are also not registered with the TSSA. The TSSA has a record of a gasoline leak at 1426 St. Joseph Boulevard. Based on the distance of this property, across St. Joseph Boulevard, down gradient from the subject site, the gasoline leak is not considered to have had the potential to impact the subject property.

Ontario Ministry of Environment (MOE)

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants in the Province of Ontario. Based on this document, there are no active or closed waste disposal sites or above noted industrial sites in the immediate vicinity of the subject property.

Personal Interviews

According to a former employee of the Madonna Nursing Home, an underground storage tank (UST) was removed from the subject property in 1992/93. The UST was reportedly located at the front of the western portion of the building, just west of the first-floor lounge.

Previous Engineering Reports

The following reports were reviewed by our firm:

- *"Limited Designation Substance Survey, Madonna Nursing Home, 1533 St. Joseph Boulevard, Ottawa, Ontario"; prepared by Jacques Whitford Environment Limited (JWEL), March 13, 2002.*
- *"Asbestos Management Program, Madonna Nursing Home, 1533 St. Joseph Boulevard, Ottawa, Ontario", prepared by JWEL, July 22, 2002.*
- *"Geotechnical Investigation, Proposed Development - Madonna Long Term Care Facility, 1533 St. Joseph Boulevard, Ottawa, Ontario," prepared by Paterson Group, December 15, 2004.*

According to analytical testing carried out by JWEL, black tar material and parging cement on the ducts in the attic as well as the vast majority of original pipe insulation throughout the building contains asbestos. Lead testing on representative samples obtained from throughout the building indicated that no lead paint exists within the building.

The geotechnical investigation carried out by Paterson Group consisted of the placement of six (6) boreholes and one (1) probehole across the subject site. No visual or olfactory signs of contamination were noted during the subsurface investigation.

4.4 Current Land Use

Building

The subject property is currently occupied by a two (2) storey long term care facility. The building has an east and a west wing, with a basement beneath the central portion of the building. A two (2) storey addition with a basement level, was reportedly made to the east wing in 1980. The building is constructed with a concrete foundation and is finished on the exterior with yellow brick. The roof is flat tar and gravel style. According to available historical information, the subject site was developed with the original subject structure in the late 1950's or early 1960's. The subject structure has been used for institutional purposes since its construction.

The building is currently heated with a combination of a natural gas fired boiler and electricity. The building was initially heated with a fuel oil fired boiler. A natural gas fired back-up generator is located at the rear of the building.

A very small, metal sided building is located near the eastern boundary of the subject site. An antennae is present on the top of the building. Access to the building was not available at the time of the site visit.

Site

The western portion of the property, unoccupied by the subject building, is covered with grassed, landscaped areas and asphaltic concrete parking areas and access roads. The western portion of the property is covered with a combination of grass, trees and light brush. The northern portion of the subject site is at a higher elevation than the property immediately north. The site topography is sloping down to the southeast. The regional topography is sloping down to the northeast.

Drainage on site consists of sheet drainage flowing to catch basins located on surrounding city streets. There was no ponded water or signs of surficial contamination at the time of the investigation. It should be noted that the site was completely snow covered at the time of the inspection.

Potential Environmental Concerns

Fuels and Chemical Storage

No aboveground storage tanks (ASTs) or signs of underground storage tanks (USTs) were observed at the time of the investigation.

There were no hazardous chemicals, spills or stains located on the site at the time of the investigation.

Waste Management

Solid non-hazardous waste is collected in a bins located at the rear of the building and is removed on a weekly basis by a licenced contractor.

4.5 Building Assessment

In addition to the residential rooms and common areas, the building houses an attic, a kitchen and dining areas, a laundry room, storage space, office space, janitorial rooms and mechanical and electrical rooms.

Two (2) separate basements are present within the building. The original basement is located near the central portion of the building. A boiler room, workshop/office and sump room are located within this basement. The second basement is located beneath the addition made to the east wing in 1980. A laundry room, elevator room, staff room and storage space is located within this basement.

- The first and second floors of the building had a combination of vinyl floor tile, linoleum, ceramic tile flooring and poured concrete (maintenance and housekeeping closets), a combination of plaster and gypsum board walls and gypsum board ceilings, finished with either paint, stipple plaster or acoustic ceiling tiles.

- ❑ The basement levels had a combination of poured concrete and vinyl tile flooring, a combination of gypsum board, plaster (hard and stipple), concrete and concrete block walls, and the ceilings were a combination of gypsum board and stipple plaster, as well as unfinished wood joists.
- ❑ The lighting throughout the building was a combination of fluorescent and incandescent.

Potentially Hazardous Building Products

- ❑ ***Asbestos Containing Materials (ACMs)***

Based on the age of the building, building materials observed that were suspected to contain asbestos include the stipple plaster, hard plaster, acoustic ceiling tiles, drywall joint compound, vinyl floor tiles, the hot water tank jacketing and insulating material surrounding the pipe runs and fittings throughout the building. All materials were observed to be in fair to good condition at the time of the site inspection.

Based on subsequent asbestos testing as well as previous testing carried out by JWEL, asbestos was detected in the hot water tank jacketing, pipe run and fitting insulation, parging cement, stipple plaster surrounding a pipe run and vinyl floor tiles. Further details are contained in our Report No. PE0373-LET.01.

- ❑ ***Lead-Based Paint***

Based on previous lead testing conducted by JWEL (2002) lead based paint is not present within the subject building. Further details are contained in our Report No. PE0373-LET.01.

- ❑ ***PCBs***

Fluorescent light ballasts are a potential source of PCB's. It is likely that PCB containing ballasts have been replaced with non-PCB containing ballasts. No significant quantity of PCB containing ballasts are suspected to be present in the building.

Transformers were observed in the elevator room and in the boiler room. No signs of staining or leakage were observed on or around the transformers. Hence, the transformers are not considered to be a concern to the subject property.

Urea Formaldehyde Foam Insulation (UFFI)

Not identified, however wall cavities were not checked for insulation type.

Other Potential Environmental Concerns

Fuels and Chemical Storage

There were no aboveground storage tanks (ASTs) observed on the interior of the property. Grates in the floor leading from the boiler to the workshop/office space indicated the former presence of an underground storage tank (UST) on the subject property. When the grates were lifted from the floor, the space beneath was observed to be empty. The trench in the floor reportedly contained the pipelines leading from the boiler to the former furnace oil tank. The walls of the basement were covered with miscellaneous items and it was not possible to tell exactly where the oil line came into the building from the exterior.

A container of fuel oil was observed in the original basement, near a backup generator which is no longer in use. According to Mr. Humphrey Jacques, with the Madonna Nursing Home, the generator will be removed from the property in the near future.

Cleaning and maintenance chemicals, including liquid alkali and sodium hydroxide, were observed throughout the building. All chemicals were properly stored. No signs of staining or leakage were observed. No other hazardous chemicals, spills or stains were observed within the subject structures.

Ozone Depleting Substances (ODSs)

Fire extinguishers, air conditioners and refrigerators are potential sources of ODSs and should be regularly serviced and maintained by licenced contractors.

Wastewater Discharges

The liquid discharge from the subject property would include the washwater from the building, as well as the sewage from the washrooms. The subject site discharges into the City of Ottawa sewer systems.

A sump pit was present in the original basement. Upon inspection of the water in the pit, no apparent contamination was observed.

Potable Water Well

According to Mr. Jacques, the subject building was previously serviced by a potable water well. The location of the well was not determined at the time of the site investigation.

Private Septic System

According to Mr. Jacques, the subject building was also previously serviced with a sewage system. The location of the septic bed and tank was unknown.

4.6 **Adjacent Properties**

Land use adjacent to the subject site was as follows:

- North - *Vacant, agricultural land;*
- South - *St. Joseph Boulevard followed by St. Joseph Manor Residential Care Facility (1510 St. Joseph Boulevard);*
- East - *Vacant, agricultural land;*
- West - *Residential (farmstead) and agricultural land.*

In general, the environmental impact of the neighbouring properties upon the subject site was considered to be low. Land use adjacent to the subject site is illustrated on Drawing No. PE0373-1 - Test Hole Location Plan in Appendix 3.

4.7 **Phase I Assessment**

The purpose of the Phase I portion of the ESA was to research the past use of the subject property and identify any potential concerns associated with the subject site or adjacent properties that could potentially impact the subject property.

A Phase II - ESA was recommended for the subject property to address concerns regarding the former underground storage tank (UST) reportedly located near the front of the building, just west of the first floor lounge area. It should be noted that plans depicting the exact location of the UST were not available.

5.0 PHASE II - ENVIRONMENTAL SITE ASSESSMENT

5.1 Subsurface Investigation

Field Program

The subsurface program, conducted in conjunction with the geotechnical investigation, was carried out on January 24, 2005 and consisted of the placement of two (2) boreholes as shown on the Test Hole Location Plan in Appendix 3. The boreholes were placed in order to address potential contamination from the former fuel oil tank which was reportedly buried along the front of the subject building, just west of the first floor lounge. The test holes were completed with portable drilling equipment.

BH 1 was completed to a depth of 4.4 m and BH 2 was completed to a depth of 1.8 m below the existing grade. A total of eleven (11) soil samples were recovered by means of auger sampling and split spoon sampling from the test holes. Upon recovery, all soil samples were immediately sealed in appropriate containers to facilitate the preliminary screening procedure. The depths at which the grab and split spoon samples were obtained from the test holes are shown as "AU" and "SS" respectively on the Soil Profile & Test Data sheets in Appendix 2.

All samples recovered as part of this investigation will be stored in the laboratory for a period of one (1) month after issuance of this report. All samples will then be discarded unless this firm is otherwise directed.

Monitoring Well Installation

A groundwater monitoring well was installed in BH1. Typical monitoring well construction details are described below:

- Slotted 32 mm diameter PVC screen at base of borehole.
- 32 mm diameter PVC riser pipe from the top of the screen to approximately 0.9 m above the ground surface.
- No.3 silica sand backfill within annular space around screen.
- 300 mm thick bentonite hole plug directly above PVC slotted screen.
- Sand from top of bentonite plug to the ground surface.

Refer to the Soil Profile & Test Data sheets in Appendix 2 for the actual well construction in BH1.

Soil Sampling Protocol

Soil sampling protocols were followed using the MOE document entitled "Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario", dated May 1996.

The soil samples recovered from the split spoons or augers were done using a stainless steel spoon or by hand, using protective gloves (changed after each sample). The samples were placed into plastic bags. If significant contamination was encountered, the samples were placed into glass jars. Sampling equipment was washed in soapy water after each split spoon to prevent cross contamination of the samples. Samples were stored in coolers to reduce analyte volatilization during transportation.

Groundwater Sampling Protocol

The groundwater sample was taken using a dedicated Waterra footvalve and polytubing. Prior to sampling, the well was purged of three (3) times the well volume, if adequate water was available. Samples were stored in bottles prepared by Paracel Laboratories.

Soil Sample Headspace Analysis

A Gastechtor with methane elimination and calibrated to hexane was used to measure the combustible vapour concentrations in the headspace of all recovered soil samples. The results of the vapour survey are presented in Subsection 5.4 of this report.

The technical protocol was obtained from Appendix C of the MOE document titled "Interim Guidelines for the Remediation of Petroleum Contamination at Operating Retail and Private Fuel Outlets in Ontario", dated March 1992.

Soil samples recovered at the time of sampling were placed immediately into airtight plastic bags with nominal headspace. All lumps of soil inside the bags were broken by hand, and the soil was allowed to come to room temperature prior to conducting the vapour survey. Allowing the samples to stabilize to room temperature ensures consistency of readings between samples.

To measure the soil vapours, the analyser probe is inserted into the nominal headspace above the soil sample. A Gastech Tanktechtor with methane elimination and calibrated to hexane was used for this purpose. The sample is agitated/manipulated gently as the measurement is taken. The peak reading registered within the first 15 seconds is recorded as the vapour measurement.

Analytical Testing

Paracel Laboratories Limited (Paracel) of Ottawa, Ontario, performed laboratory analysis of the soil and groundwater samples submitted for analytical testing. Paracel is a member of the Standards Council of Canada/Canadian Association for Environmental Analytical Laboratories (SCC/CAEAL). Paracel is accredited and certified by SCC/CAEAL for specific tests registered with the Association.

5.2 Subsurface Profile

In general, the soil profile at both borehole locations consisted of a topsoil over native glacial till. The presence of the till material indicates that the boreholes were not placed directly in the former tank nest, otherwise fill material would have been encountered. The placement of the boreholes was restricted due to the presence of water services and a tree. However, the boreholes were placed very near the reported location of the former UST.

Specific details of the soil profile at the test hole locations can be seen on the Soil Profile & Test Data sheets and Drawing No. PE0373-1 in Appendix 2.

5.3 Groundwater

The water level in BH 1 was measured on January 31, 2005. The water level was at a depth of 3.9 m below ground surface. It should be noted that groundwater levels fluctuate seasonally.

5.4 Soil Sample Headspace Analysis

All soil samples were subjected to a combustible vapour headspace screening analysis. The results of the combustible vapour analysis survey are presented in the Soil Profile & Test Data sheets in Appendix 2.

The parts per million (ppm) scale is used to measure concentrations of hydrocarbon vapours that are too low to register on the Lower Explosive Limit (LEL) scale. The explosive point, 100% LEL, represents the leanest mixture which will burn (or explode) if ignited.

The combustible vapour readings ranged from less than 15 ppm to 7% LEL. The majority of the vapour results were considered to be representative of background levels only. The 7%LEL reading was detected in Soil Sample BH1-SS7.

5.5 Analytical Test Results

Remediation Criteria

The soil and groundwater remediation criteria for the subject site were obtained from Table 3 of the document entitled "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the *Environmental Protection Act*", dated March 9, 2004. The MOE Cleanup Criteria is based on the following considerations:

- Coarse grained soil conditions.
- Surface soil and groundwater conditions.
- Non-Potable groundwater situation.
- Institutional land use.

Soil and Groundwater Analyses

One (1) soil sample and one (1) groundwater sample were submitted for analytical testing of petroleum hydrocarbons (PHC) and benzene, toluene, ethylbenzene and xylenes (BTEX). The results of the analytical testing are presented in Tables 1 and 2 along with the applicable remediation guidelines. The laboratory reports are included in Appendix 2 of this report.

Table 1 Analytical Test Results - Soil BTEX and Petroleum Hydrocarbons (F ₁ -F ₄)			
Parameter	MDL (µg/g)	Soil Sample (µg/g)	MOE Table 3 Residential/Institutional Land Use Soil Remediation Criteria (µg/g)
		BH1 SS7	
Benzene	0.05	nd	5.3
Ethylbenzene	0.05	nd	290
Toluene	0.05	nd	34
Xylenes	0.15	nd	34
F ₁ (C ₆ -C ₁₀)	20	nd	30
F ₂ (C ₁₀ -C ₁₈)	10	nd	150
F ₃ (C ₁₈ -C ₃₄)	10	nd	400
F ₄ (C ₃₄ -C ₅₀)	10	nd	2800
Notes:	<input type="checkbox"/>	MDL - Method Detection Limit	
	<input type="checkbox"/>	nd - Not Detected (< MDL)	

No BTEX or PHC parameters were detected in the soil sample submitted for analytical testing.

Table 2 Analytical Test Results - Water BTEX and Petroleum Hydrocarbons (F ₁ -F ₄)			
Parameter	MDL (µg/L)	Groundwater Sample (µg/L)	MOE Table 3 Residential/Institutional Land Use - Groundwater Remediation Criteria (µg/L)
		BH1 WS1	
Benzene	0.5	nd	1900
Ethylbenzene	0.5	nd	28000
Toluene	0.5	nd	5900
Xylenes	1.5	nd	5600
F ₁ (C ₆ -C ₁₀)	200	nd	n/v
F ₂ (C ₁₀ -C ₁₈)	100	nd	n/v
F ₃ (C ₁₆ -C ₃₄)	100	nd	n/v
F ₄ (C ₃₄ -C ₅₀)	100	nd	n/v
Notes:	<input type="checkbox"/> MDL - Method Detection Limit <input type="checkbox"/> nd - Not Detected (< MDL) <input type="checkbox"/> n/v - No value provided in the Table 3 standards		

No BTEX or PHC parameters were detected in the water sample submitted for analytical testing.

5.6 Phase II Assessment

The Phase II - ESA was conducted to address potential subsurface contamination or impact from a former buried furnace oil tank located along the south wall of the building, west of the first floor lounge.

Soil

A total of eleven (11) soil samples were recovered from the two (2) boreholes placed in the area of the former UST. All soil samples were visually inspected and then subjected to a sample headspace analysis. Soil Sample BH1-SS7 was submitted for analytical testing of PHC (F₁-F₄) and BTEX. No BTEX or PHC parameters were detected in Sample BH1-SS7.

Water

A water sample was recovered from the monitoring well installed in BH 1. The water sample was submitted for analysis of BTEX and PHCs. The analytical test results did not detect any of the above parameters.

6.0 ASSESSMENT AND RECOMMENDATIONS

6.1 Assessment

A Phase I-II - Environmental Site Assessment was carried out at 1533 St. Joseph Boulevard, in the City of Ottawa (formerly Orleans), Ontario. The purpose of this environmental assessment was to research the past use of the site and identify any potential concerns associated with the site or adjacent properties that could potentially impact the subject property.

Available historical information suggests that the subject property was developed with the subject structure in the 1950's or 1960's. The subject site has been occupied by the subject structure since its construction. An addition was reportedly made to the eastern portion of the building in 1980. Prior to the construction of the subject structure, the property was vacant, possibly agricultural land. Adjacent properties were always used for a combination of residential/institutional and agricultural purposes. The historical research did not indicate any environmental concerns regarding the past use of the subject property.

Following the historical research, a site inspection was conducted to assess existing potential areas of concern. Suspected hazardous building materials including asbestos and lead were identified in the building. Recommendations for potential problem areas with respect to building products are noted below.

Evidence of a former underground storage tank (UST) was noted in the boiler room of the building. According to a former employee of the nursing home, a furnace oil UST was located along the south wall of the building, just west of the first floor lounge.

A Phase II - ESA was conducted to address the above noted environmental concern.

Soil

Two (2) boreholes were completed in the vicinity of the tank nest. No visual or olfactory signs of contamination were observed from the recovered soil samples. One (1) soil sample was submitted for analytical testing of BTEX and PHC parameters. None of these parameters were detected in Soil Sample BH1-SS7.

Water

A water sample was collected from the monitoring well installed in BH 1 and submitted for analytical testing of BTEX and PHC parameters. The test results indicated that no parameters were detected in the sample.

Based on field observations, combustible vapour readings and analytical test results, it is our opinion that the former use of the underground storage tank has not had a significant environmental impact on the subject property. The boreholes were placed according to the reported location of the tank nest. Borehole locations were also limited by a tree and underground services.

No further investigation is being recommended at this time.

6.2 Recommendations

Building Materials

Based on previous reports, asbestos containing materials are present in the building. As indicated in Section 4.5 of this report, additional asbestos testing was conducted by this firm. The ACMs were observed to be in good condition, however they may cause a concern during future renovations. The results of the testing are provided under separate cover, Report PE0373-LET.01.

Lead-based paints were previously tested for lead content. As a result, lead based paint is not suspected to be present in the building based on previous analytical testing carried out by JWEL. Refer to Report PE0373-LET.01 for further details.

7.0 STATEMENT OF LIMITATIONS

This Phase I-II - Environmental Site Assessment report has been prepared in general accordance with the agreed scope-of-work and the requirements of CSA Z768-01 and CSA Z769-00. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the site assessment are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field investigation. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.


The client should be aware that any information pertaining to soils and all test hole logs are furnished as a matter of general information only and test hole descriptions or logs are not to be interpreted as descriptive of conditions at locations other than those described by the test holes themselves.

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

This report was prepared for the sole use of Sedun & Kanerva Architects and Chartwell Seniors Housing REIT. Permission from the above mentioned parties and our firm will be required to release this report to any other party.

PATERSON GROUP INC.


Karyn Buote, B. Eng.


Mark S. D'Arcy, P. Eng.

Report Distribution:

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CONCLUSION

The results of the study show that the majority of respondents are satisfied with the current state of affairs. However, there are some areas where improvement is needed. The most common complaint is the lack of communication between the different departments. This is a significant issue that needs to be addressed as it can lead to inefficiencies and errors. Another area of concern is the quality of the products. Some respondents have reported receiving defective items, which is unacceptable. The company should invest in better quality control measures to ensure that all products meet the required standards.

In addition, the pricing of the products is a concern for many customers. The prices are perceived to be too high, especially when compared to other similar products on the market. The company should consider offering more competitive pricing to attract a larger customer base. Finally, the customer service is another area that needs attention. Some respondents have reported long wait times and unhelpful staff. Improving the customer service experience is essential for building loyalty and repeat business.

Overall, the company has a strong foundation but needs to focus on addressing these key areas of improvement. By enhancing communication, quality control, pricing, and customer service, the company can significantly improve its performance and customer satisfaction.

The following table provides a summary of the key findings from the study:

Area	Issue	Frequency
Communication	Lack of communication between departments	High
Quality Control	Defective products	Medium
Pricing	High prices	Medium
Customer Service	Long wait times, unhelpful staff	Medium

June 11, 2012
File: PE2685-LET.01

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Geotechnical Engineering
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Attention: **Mr. Hugo Lalonde**

www.patersongroup.ca

Subject: **Phase I - Environmental Site Assessment Update
1533 and 1541 St. Joseph Boulevard - Ottawa**

Dear Sir,

Further to your request, Paterson Group (Paterson) conducted a Phase I - Environmental Site Assessment (ESA) update for the senior citizens residence located at 1533 and 1541 St. Joseph Boulevard in Ottawa.

It is our understanding, that a new retirement residence is being proposed for 1533 St. Joseph Boulevard, in conjunction with an expansion of the parking lot of the existing facility at 1541 St. Joseph Boulevard. The purpose of this Phase I-ESA Update is to supplement the original Phase I-ESA as a requirement of site plan control and forms part of the submission to the City of Ottawa.

1.0 Site Information

The site is located on the north side of St. Joseph Boulevard between Youville Drive and Hart Road, in the City of Ottawa (formerly Orleans), Ontario. The subject site is currently occupied by a three storey long term care facility. The site was redeveloped in 2007 with the current long term care facility and contains 130 suites, with either private or shared accommodations. The building is equipped with two (2) natural gas fired boilers on the ground floor which distribute the domestic hot water throughout the building. There are two (2) additional boilers on each floor to provide water for the radiant heating system in the building. The building has regularly scheduled domestic waste and recycling pick up.

2.0 Previous Reports

The following reports were reviewed prior to conducting this assessment:

- ❑ “Phase I - Environmental Site Assessment Update, Madonna Long Term Care Residence, 1533 and 1541 St. Joseph Boulevard, Ottawa (Orleans), Ontario”, prepared by Paterson Group, dated March 28, 2008.
- ❑ “Phase I - II - Environmental Site Assessment , Madonna Nursing Home - Long Term Care Facility, 1533 St. Joseph Boulevard, Ottawa (Orleans), Ontario”, prepared by Paterson Group, dated February 9, 2005.

Based on the findings of the original Phase I-ESA, a program was undertaken to investigate the issues outlined in the report. The original long term care facility building underwent a Designated Substance Survey (DSS) to identify potentially hazardous building materials and a soils investigation, to determine if a former underground tank had impacted the subject site. Two (2) boreholes were advanced in the vicinity of the former underground tank. One (1) soil and one (1) groundwater sample were submitted for analytical testing for BTEX and PHC's. No BTEX or PHC parameters were detected in either sample that was tested. No further environmental work was recommended for the subject property following these studies or at the time of the Phase I - Environmental Site Assessment Update.

3.0 Phase I - ESA Update, Historical and Records Review

Air Photo Research

The most recent aerial photograph reviewed in the previous report was taken in 1999. Aerial photographs, provided online by the City of Ottawa, dated 2002, 2005, 2007, 2008 and 2011 were reviewed as part of the Phase I - ESA update. Between 2005 and 2007 the new long term care residence building was constructed on the subject site. As well, the former residence building was demolished between the 2007 and 2008 photos. No environmental concerns were identified during the review of the recent aerial photographs.

PCB Inventory

A search of national PCB waste storage sites was conducted. No PCB waste storage sites are located in the immediate vicinity of the subject property.

Ontario Ministry of Environment (MOE)

A search of the MOE Brownfields environmental site registry was conducted electronically on June 8, 2012. No record of site conditions (RSC) were listed in the data base for properties within a 1 km radius of the subject site.

Technical Standards and Safety Authority (TSSA)

The Technical Standards and Safety Authority (TSSA), Fuels Safety Branch, was contacted by email on June 8, 2012. There are no underground storage tanks (USTs) recorded in the TSSA registry for the subject property. The TSSA has a record of a gasoline spill which occurred in 1993 at 1426 St. Joseph Boulevard. This spill was also noted in the previous Phase I Update. Based on the distance of this site from the subject property, the reported spill is not considered to pose a risk to the subject land.

4.0 Observations

The Phase I - ESA Update site visit was conducted on June 11, 2012, by Paterson personnel from the environmental division. The site visit included a review of the subject site and the adjacent lands and their current use. The interior inspection of the building included the boiler room, electrical room, laundry room, storage areas and elevator rooms.

Exterior Assessment

The subject building is finished with fake stone and stucco with a concrete foundation. There is an asphalt parking area in front of the building and gravel parking on the east and west sides. The property and regional topography slopes downward to the north. Site drainage consists of sheet drainage to a ditch along St. Joseph Boulevard or infiltration and runoff down the large slope northwards.

Domestic waste and recycling is collected and disposed of in bins in the gravel parking area to the west of the building. The bins are picked up by a licensed contractor on a regular basis.

Interior Assessment

The floors in the building are a combination of carpet, laminate and ceramic tiles. The floors in the mechanical and storage rooms consisted of poured concrete. The building walls and ceiling consisted of drywall. Lighting throughout the building was observed to be fluorescent fixtures.

The building is equipped with two (2) natural gas fired boilers on the ground floor which distribute the domestic hot water throughout the building. There are two (2) additional boilers on each floor to provide water for the radiant heating system in the building. A backup generator, located on the ground floor has an above ground storage tank associated with it. The tank is attached to the bottom of the generator and was in excellent condition. No odours or staining were noted in the generator room.

Chemicals observed on site were limited to household and medical cleaners. Refrigerators, air conditioners and fire extinguishers may be potential sources of ozone depleting substances (ODSs) on site. These appliances should be regularly serviced and maintained by certified contractors.

Solid non-hazardous waste and recycling are stored in bins located to the west of the building on the gravel parking area. Waste removal is carried out on a regular basis.

Potentially Hazardous Building Products

Asbestos Containing Materials (ACMs)

Based on the date of construction of the structure (2007), it is not expected that asbestos containing materials were used during construction.

Lead-Based Paint

Based on the age of the building (2007), it is not expected that lead-based paints are present in the subject building.

Polychlorinated Biphenyls (PCBs)

Based on the age of the building, PCBs are not expected to be present.

Adjacent Properties

Land use adjacent to the subject site is as follows:

- North - Vacant Land, followed by White Sands Golf Course;
- South - St. Joseph Boulevard followed by St. Joseph Manor Residential Care Facility (1510 St. Joseph Boulevard);
- East - Vacant Land;
- West - Residential and agricultural land.

The environmental impact from the current use of the immediately adjacent properties upon the subject site was considered to be low.

5.0 Assessment

A Phase I - Environmental Site Assessment Update was carried out for the long term care facility located at 1533 and 1541 St. Joseph Boulevard, Ottawa, Ontario. A review of recent historical data along with the site inspection generally confirmed the information and findings contained in the previously mentioned report completed for the subject site.

Based on the findings of our Phase I - ESA update, in our opinion, the past and current use of the subject site and neighbouring properties do not have the potential to have significantly impacted the subject site. It is our opinion that **a Phase II - Environmental Site Assessment is not required for the subject site.**

6.0 Statement of Limitations

This Phase I - Environmental Site Assessment Update report has been prepared in general accordance with the agreed scope-of-work and the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA update are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment.

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

This report was prepared for the use of Seasons Retirement Communities (Madonna LTC) LP c/o Amico and Leisureworld Senior Care Corporation. Permission and notification from the above noted parties and this firm will be required to release this report to any other party.

Mr. Hugo Lalonde
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We trust that this submission satisfies your current requirements. Should you have any questions please contact the undersigned.

Paterson Group Inc.



Michael Beaudoin, B.Eng.



Mark S. D'Arcy, P.Eng.

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PRELIMINARY REPORT

Geotechnical Investigation
Proposed Development
Madonna Long Term Care Facility
1533 St. Joseph Blvd.
Ottawa, Ontario

Prepared For

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December 9, 2004

Report No. PG0474-1

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APPENDICES

Appendix 1

Soil Profile and Test Data Sheets
Symbols and Terms

Appendix 2

Figure 1, Key Plan
Drawing No. PG0474-1, Test Hole Location Plan

1.0 INTRODUCTION

Paterson Group Inc (Paterson) was commissioned by Sedun and Kanerva Architect (SKA) on behalf of Chartwell Seniors Housing REIT to conduct a geotechnical investigation for the construction of a proposed addition at the Madonna Long Term Care Facility in the City of Ottawa, Ontario (see Figure 1, Key Plan).

The objectives of the current investigation were to determine the subsoil and groundwater conditions at this site by means of 6 boreholes and one probe hole, and, based on the results of the test holes, to provide geotechnical recommendations for the design of the proposed addition including construction considerations which may affect its design. The geotechnical investigation was performed in general accordance with the terms of reference in our faxed proposal dated November 2, 2004.

Following the completion of the fieldwork, the location of the proposed building was modified. As a result, six additional boreholes were recommended. These boreholes were not completed at the time of writing this preliminary report. A final report will be issued once the additional boreholes are completed.

The following report has been prepared specifically and solely for the aforementioned project which is described herein. It contains our findings and includes geotechnical recommendations pertaining to the design and construction of the proposed works as they are understood at the time of writing this report.

Investigating the presence or potential presence of contamination on the subject property was not part of the scope of work of this present investigation, therefore, the present report does not address environmental issues. A phase I environmental site assessment (ESA) was completed by Paterson concurrently with the geotechnical investigation, the findings and recommendations of the Phase I ESA are presented under separate cover.

2.0 PROPOSED DEVELOPMENT

The subject site is located on the north side of St. Joseph Boulevard and west of Youville Drive. A two-storey brick clad building occupies the west portion of the site. The proposed building is to be located east and north of the existing building.

It is our understanding that the proposed building will be 3 storeys in height and will have no basement. Typical load bearing walls/columns on an approximate spacing/grid of 6 m by 6 m will carry loads in the order of 1200 kN.

3.0 METHOD OF INVESTIGATION

3.1 Field Investigation

The initial phase of the field program was carried out on November 3 and 17, 2004. At that time, 9 test holes were advanced to depths ranging from 1.9 to 4.7 m below existing grade. The locations of the test holes are shown in Drawing No. PG0474-1, Test Hole Location Plan, included in Appendix 2.

The test holes were put down using a track-mounted power auger drill rig, operated by a crew of two. All fieldwork was conducted under the full-time supervision of our staff under the direction of a senior engineer from our geotechnical division.

The drilling procedure consisted of augering to the required depths at the selected locations and regularly sampling the overburden.

Sampling and In Situ Testing

Soil samples were recovered using a 50 mm diameter split-spoon sampler. The soil samples were classified on site, placed in sealed bags and transported to our laboratory. The depths at which the split spoon samples were recovered from the boreholes are shown as SS on the Soil Profile and Test Data sheets in Appendix 1.

The Standard Penetration Test (SPT) was conducted in conjunction with the recovery of the split spoon samples. The SPT results are recorded as "N" values on the Soil Profile and Test Data sheets. The "N" value is the number of blows required to drive the split spoon sampler 300 mm into the soil after a 150 mm initial penetration using a 63.5 kg hammer falling from a height of 760 mm.

The subsurface conditions observed in the test holes were recorded in detail in the field. The soil profiles are logged on the Soil Profile and Test Data sheets in Appendix 1 of this report.

Groundwater

Flexible polyethylene standpipes were installed in the boreholes to permit monitoring of the groundwater levels subsequent to the completion of the sampling program.

Sample Storage

All samples will be stored in the laboratory for a period of one month after issuance of this report. They will then be discarded unless we are otherwise directed.

3.2 Field Survey

The test hole locations were selected and determined in the field by Paterson personnel taking into consideration the original location of the proposed development and site features. The ground surface elevations at the test hole locations were referenced to a temporary benchmark (TBM), which consists of the door sill at the north building wall. An elevation of 77.82 m, as provided by Sedun and Kanerva Architects Inc., was assigned to the TBM. It is understood that the elevation is referenced to geodetic datum. The locations of the test holes and the ground surface elevations at the test hole locations are presented on Drawing No. PG0474-1, Test Hole Location Plan, presented in Appendix 2.

3.3 Laboratory Testing

A total of 17 soil samples were recovered from the subject site and visually examined in our laboratory by a geotechnical engineer to review the results of the field logging.

4.0 OBSERVATIONS

4.1 Surface Conditions

The proposed building is to be located north and east of the existing building. The terrain in this area is lightly wooded and gently slopes downward toward the east. The ground surface elevation within the footprint of the proposed building ranges from about elevation 74 to elevation 79 m.

A ridge exists north of the proposed building. Generally, the building is located well away from the ridge. The exceptions are the east and west building ends which are located about 7 m away from the ridge. The height of the ridge increases from about 18 to 20 m, westerly. Overall, the ridge is well treed and profiled at about 3.5 to 4.1H:1V. The exposed bedrock face at the ridge shows that the bedrock consists mainly of horizontally bedded limestone or dolomite with shale interbeds.

4.2 Subsurface Profile

The soil profile at this site consists primarily of topsoil and/or fill overlying glacial till and/or bedrock. Practical refusal to augering was encountered at shallow depths at all test hole locations. Reference should be made to the Soil Profile and Test Data sheets in Appendix 1 for the details of the soil profiles encountered at each test hole location.

Topsoil

Topsoil was encountered at ground surface at BHs 2 to 6. The thickness of the topsoil varies between 50 and 100 mm.

Fill

Fill was encountered at ground surface or below the topsoil at PH 1 and BHs 2 to 6. The fill extends to depths varying from 1.5 m at PH 1 to 2.5 m at BH 5. The fill consists of silty sand, silty clay, sand, and/or sandy silt. Gravel and cobbles were occasionally encountered in this layer. A 0.4 m thick concrete slab was encountered at a depth of 1.9 m at BH 4.

Silty Clay

A 0.2 m thick layer of silty clay was encountered below the fill at a depth of 1.7 m at BH 2.

Glacial Till

Glacial till was encountered at depths varying between 2.3 and 2.4 m at BHs 4 to 6. Glacial till is a fine soil matrix mixed with gravel, cobbles and boulders. The fine soil matrix consists of sandy silt to silty clay with sand.

Based on the results of the SPTs, which yielded N values ranging from 7 to 31 blows per 300 mm increment of penetration, the state of compactness of this layer ranges from loose to compact. Generally, this layer is loose.

Practical Refusal to Augering

Practical refusal to augering was encountered at all test holes locations at depths ranging from 1.9 m at PH 8 to 4.7 m at PH 1. Based on samples of weathered bedrock recovered using the split spoon samples and visual observations of the bedrock ridge, the bedrock consists of limestone or dolomite with shale beds.

Based on available geological mapping, the subject site is located in a fault area and the bedrock consists of dolomite of the Oxford formation or shale of the Rockcliffe formation.

4.3 Groundwater

Groundwater levels were not available at the time of writing this report. Based on visual observation of the samples recovered at this site, a perched groundwater condition appears to exist at the bedrock surface.

5.0 DISCUSSION AND RECOMMENDATIONS

5.1 Geotechnical Assessment

The proposed development will consist of a three storey building with no basement level. It is expected that the building will be founded on bedrock below all fill and glacial till. Based on BHs 4, 5 and 6, and PHs 1 and 8, which are located in the general area of the final proposed building location, practical refusal to augering was encountered at depths ranging from 1.9 to 4.7 m. Therefore, the building could be founded on footings placed directly on bedrock, and in areas where the bedrock is encountered at greater depths, the building could be founded on piers bearing on bedrock. It should be noted that the bedrock surface will be better delineated once the additional boreholes are completed.

Based on a visual observation of the bedrock face at the ridge, the bedrock consists of mostly horizontal beds of limestone or dolomite with interbeds of shale. Therefore, based on the slope profiles and the subsurface conditions, the ridge is considered to be stable. However, weathering is occurring at the exposed bedrock face. It is considered that the proposed set back of 7 m, from the top of the ridge, at the east and west ends of the building is adequate. The proposed parking area, east of the east end of the building, is also located close to the ridge. It is recommended that the parking area be located at least 3 m away from the top of the ridge to allow for long term deterioration of the exposed bedrock face.

The above and other considerations are further discussed in the following sections of this report.

5.2 Site Grading and Preparation

All fill and topsoil should be removed from within the building perimeter. Topsoil and deleterious fill such as those containing organic material should be stripped from under any paved areas and other settlement sensitive structures. Alternatively, the fill could be left in place entirely or partially upon approval by the geotechnical consultant at the time of construction. The inspection of the fill should be carried out

once the excavations for the foundation of the building are completed and a large portion of the fill is exposed. Existing foundation walls and other construction debris should be entirely removed from within the building perimeter. Under paved areas, existing construction remnants such as foundation walls should be excavated to a minimum of 1 m below final grade.

Bedrock Removal

Bedrock removal, if required, can be accomplished by line drilling and hoe ramming if only small quantity of bedrock need to be removed. Otherwise, it is expected that line drilling and controlled blasting will be required.

If blasting operations are to be carried out, the blasting effects on the existing building and other existing structures should be considered.

As a general guideline, peak particle velocities of 50 mm/s (measured at the structures) should not be exceeded during the blasting program to reduce the risks of damage to the existing structures.

A pre-blast or pre-construction survey of the existing buildings and structures should be carried out prior to commencing site activities. The extent of the survey should be determined by the blasting consultant and should be sufficient to respond to any inquiries/claims related to the blasting operations.

The blasting operations should be planned and conducted under the supervision of a licensed professional engineer who is also an experienced blasting consultant.

Fill Placement

Fill used for grading beneath the building and under paved areas (below the base and subbase materials) should consist of clean imported granular fill, such as Ontario Provincial Standard Specifications (OPSS) Granular B Type I or II. These materials should be tested and approved prior to delivery to the site. The fill should be placed in lifts no greater than 300 mm thick and compacted using suitable compaction equipment for the lift thickness. Fill placed beneath the building and paved areas should be compacted to a minimum of 95% of its standard Proctor maximum dry density (SPMDD).

Non-specified existing fill, along with site-excavated soil, can be used as general landscaping fill where settlement of the ground surface is of minor concern. This material should be spread in thin lifts and at least compacted by the tracks of the spreading equipment to reduce voids. If this material is to be used to build up the subgrade level for areas to be paved, it should be compacted in thin lifts to a minimum of 95% of the material's SPMDD.

If excavated rock is to be used as fill, it should be suitably fragmented to produce a well-graded material with a maximum particle size of 300 mm. This material should only be used structurally to build up the subgrade for roads and pavements. Where the fill is open-graded, a blinding layer of finer granular fill or a woven geotextile may be required to prevent adjacent finer materials from migrating into the voids, with associated loss of ground and settlements.

5.3 Foundation Design

Shallow Foundation - Allowable Bearing Pressures

Based on the soil profile encountered at the proposed building location, it is anticipated that the proposed building will be founded on bedrock. The allowable bearing pressure for footings constructed on weathered bedrock can be taken as 250 kPa. A value of 1000 kPa can be used on surface sounded bedrock bearing medium.

The footing beds should be free of any soils and loose material.

A clean, surface-sounded bedrock bearing surface should be free of loose materials, and have no near surface seams, voids, fissures or open joints which can be detected from surface sounding with a rock hammer.

A higher allowable bearing pressure, such as 2,000 kPa, could be used based on a rock probing program. A 1.5 m deep hole will be required to be drilled by the excavation contractor at each footing location. This hole will be probed by the geotechnical consultant to ensure that the bedrock is sound, prior to approval for the 2,000 kPa allowable bearing pressure.

Where the bedrock is encountered at greater depths, piers founded on the bedrock surface could be used. The piers may be designed using an allowable bearing pressure of 250 kPa if founded on weathered bedrock bearing media or 1000 kPa if founded on surface sounded bedrock bearing media. The bedrock surface should be inspected by competent geotechnical personnel prior to pouring concrete.

A permanent steel liner should be provided for each pier. The pier liner should be reinforced at its base to minimize the risks of damage during installation. The size of the liner should be sufficient to allow for inspection of the pier base. The pier should be seated on the bedrock and properly sealed at its base to permit dewatering and visual inspection of the bedrock.

Concrete should be placed using appropriate means to prevent segregation of the materials in the concrete mix. When required, elephant trunks should be used to prevent segregation. Concrete should be consolidated using suitable means.

Lateral Support

The bearing medium under footing-supported structures is required to be provided with adequate lateral support with respect to excavations and different foundation levels. Adequate lateral support is provided to weathered bedrock bearing medium when a plane extending down and out from the bottom edge of the footing at a minimum of 1H:1V passes only through bedrock or concrete of the same or higher capacity as the soil. Near vertical (1H:6V) slopes can be used for unfractured bedrock bearing media.

Settlement

Footings/piers placed on weathered bedrock bearing media and designed using the allowable bearing pressure provided above will be subjected to potential post construction total and differential settlements of 25 and 20 mm, respectively. The potential post construction total and differential settlements for footings placed on surface sounded bedrock bearing media and designed using the allowable bearing pressure provided above should be negligible.

It is not recommended to place footings/piers of the proposed building partly on weathered bedrock and partly on surface sounded bearing media due to the potential for up to 25 mm differential settlements without providing means to accommodate such differential settlements.

5.4 Design for Earthquakes

The foundation factor, F , for the design of structures against earthquake forces, can be taken to be 1.0 at the site considered in this investigation. Reference should be made to the latest revision of the Ontario Building Code for a full discussion of the earthquake design requirements.

5.5 Slab on Grade Construction

With the removal of all topsoil and fill within the footprint of the proposed building, the native soil surface and bedrock will be considered to be an acceptable subgrade surface on which to commence backfilling for floor slab construction. Alternatively, the existing fill could be left in place upon the approval by the geotechnical consultant as discussed in section 5.2. Provision should be made for proof-rolling the soil subgrade using heavy vibratory compaction equipment prior to placing any fill. Any soft areas should be removed and backfilled with appropriate backfill material. OPSS Granular B Type I or II, with a maximum particle size of 50 mm, are recommended for backfilling below the floor slab. It is recommended that the upper 150 to 200 mm of sub-slab fill consists of an OPSS Granular A crushed stone material. All backfill material within the footprint of the proposed building should be placed in maximum 300 mm thick loose layers and compacted to at least 95% of the material's SPMDD.

5.6 Pavement

Car only parking areas and heavy traffic areas are proposed at this site. The subgrade material will consist of fill. The proposed pavement structures are shown in Tables 1 and 2.

Table 1 - Recommended Pavement Structure Car Only Parking Areas	
Thickness mm	Material Description
50	Wear Course - HL-3 Asphaltic Concrete
150	BASE - OPSS Granular A Crushed Stone
300	SUBBASE - OPSS Granular B Type II
	SUBGRADE - Either fill, in situ soil or OPSS Granular B Type I or II material placed over in situ soil or fill

Table 2 - Recommended Pavement Structure Access Lanes and Heavy Truck Parking Areas	
Thickness mm	Material Description
40	Wear Course - HL-3 Asphaltic Concrete
50	Binder Course - HL-8 Asphaltic Concrete
150	BASE - OPSS Granular A Crushed Stone
300	SUBBASE - OPSS Granular B Type II
	SUBGRADE - Either fill, in situ soil or OPSS Granular B Type I or II material placed over in situ soil or fill

If soft spots develop in the subgrade during compaction or due to construction traffic, the affected areas should be excavated and replaced with OPSS Granular B Type I or II material.

The pavement granular base and subbase should be placed in maximum 300 mm thick lifts and compacted to a minimum of 100% of the material's SPMDD using suitable vibratory equipment.

Pavement Structure Drainage

Satisfactory performance of the pavement structure is largely dependent on keeping the contact zone between the subgrade material and the base stone in a dry condition. Failure to provide adequate drainage under conditions of heavy wheel loading can result in the fine subgrade soil being pumped into the voids in the stone subbase, thereby reducing its load carrying capacity.

Consideration should be given to installing subdrains at each catch basin. These drains should be at least 3 m long and should extend in four orthogonal directions or longitudinally when placed along a curb. The subdrain inverts should be approximately 300 mm below subgrade level. The subgrade surface should be crowned to promote water flow to the drainage lines.

5.7 Slope Considerations

The proposed building is to be located south of the existing ridge. Based on the current proposal, the east and west ends of the building are to be located approximately 7 m away from the top of the ridge. The east parking area is also to be located about 7 m away from the top of the ridge.

Based on the information provided, the ridge varies in height from about 18 to 20 m. Generally, at the east end of the building, the slope is profiled at about 4.2H:1V. The upper 12 m is sloped at about 2.9H:1V while the lower portion is at about 7.5H:1V. At the west end of the building the overall slope is profiled at about 3.6H:1V with the upper 10 m at about 2.5H:1V and the lower section at about 4.1H:1V. The slope is well treed.

Based on visual observations at the exposed bedrock locations, the bedrock, which is horizontally bedded, consists of limestone or dolomite with shale interbeds.

Based on the above, the ridge is considered to be stable. However, considering that the bedrock face is exposed and subjected to weathering, it is recommended that all structures be kept at least 5 m away from the edge of the ridge. Considering that the building and parking areas are at least 7 m away from the ridge, it is considered that the present proposal is acceptable from a stability viewpoint.

6.0 DESIGN AND CONSTRUCTION PRECAUTIONS

6.1 Foundation Drainage and Backfill

It is recommended that a perimeter foundation drainage system be provided for the proposed structure. The system should consist of a 100 mm to 150 mm diameter perforated corrugated plastic pipe, surrounded on all sides by 150 mm of 10 mm clear crushed stone, placed at the footing level around the exterior perimeter of the structure. The pipe should have a positive outlet, such as a gravity connection to the storm sewer.

Backfill against the exterior sides of the foundation walls should consist of free-draining non frost susceptible granular materials. The greater part of the site excavated materials will be frost susceptible and, as such, are not recommended for re-use as backfill against the foundation walls. Imported granular materials, such as clean sand or OPSS Granular B Type I material, should be used for this purpose.

6.2 Protection of Footings/Piers/Grade Beams Against Frost Action

Perimeter footings/piers/grade beams of heated structures are required to be insulated against the deleterious effects of frost action. A minimum 1.5 m thick soil cover (or equivalent) should be provided in this regard.

Exterior unheated footings/piers/grade beams are more prone to movements associated with frost action than the exterior walls of the structure. A minimum 2.1 m thick soil cover (or equivalent) is recommended for the exterior unheated footings.

6.3 Excavation Side Slopes

The side slopes of excavations in the soil and fill overburden materials should either be cut back at acceptable slopes or should be retained by shoring systems from the start of the excavation until the structure is backfilled. It is assumed that sufficient room will be available for the greater part of the excavation to be undertaken by open-cut methods (i.e. unsupported excavations). Where space restrictions exist, or to reduce the trench width, where applicable, the excavation can be carried out within the confines of a fully braced steel trench box or other acceptable shoring systems.

Above the groundwater level, the excavation side slopes through the overburden extending to a maximum depth of 5.0 m should be cut back at 1H:1V. Flatter slopes will be required below the groundwater level. In weathered/fractured bedrock, a minimum 1H:1V should be used. In more competent bedrock, an almost vertical (1H:10V) slope could be used.

The slope cross-sections recommended above are for temporary slopes. Excavated soil should not be stockpiled at the top of excavations and heavy equipment should be kept away from the excavation sides.

Slopes in excess of 3.0 m in height should be periodically inspected by the geotechnical consultant in order to detect if the slopes are exhibiting signs of distress.

It is recommended that a trench box be used at all times to protect personnel working in trenches with steep or vertical sides. It is expected that services will be installed by "cut and cover" methods and excavations will not be left open for extended periods of time.

6.4 Pipe Bedding and Backfill

At least 150 mm of OPSS Granular A should be used for pipe bedding for sewer and water pipes. The bedding should extend to the spring line of the pipe. Cover material, from the spring line to at least 300 mm above the obvert of the pipe should consist of OPSS Granular A. The bedding and cover materials should be placed in maximum 225 mm thick lifts compacted to a minimum of 95% of the material's SPMDD.

It should generally be possible to re-use the upper portion of the overburden above the cover material if the excavation and filling operations are carried out in dry weather conditions. Wet materials be difficult, if not impractical, to compact without an extensive drying period. Well fractured bedrock should be acceptable as backfill above the cover material provided that all stones are 300 mm or smaller in their longest dimension.

Where hard surface areas are considered above the trench backfill, the trench backfill material within the frost zone (about 1.8 m below finished grade) should match the soils exposed at the trench walls to reduce differential frost heaving. The trench backfill should be placed in maximum 300 mm thick loose lifts and compacted to a minimum of 95% of the material's SPMDD.

Frost transitions should be provided where the backfill materials used are dissimilar, from a frost susceptibility view point, to the existing soils within the frost zone. The transitions should be a sloped at a minimum of 2H:1V from a depth of 2 m below finished pavement level when the excavation is parallel to the roadway and 3H:1V when it is transverse to the roadway.

Based on the soil profile encountered along the subject alignment, it is possible that the watermain will be founded partly in bedrock and partly in overburden soils (glacial till/fill). At transitions between bedrock and soil subgrades, it is recommended that the founding medium be inspected in the field to determine how steeply the bedrock surface drops off. A transition treatment should be provided where the bedrock slopes at more than 3H:1V. At these locations, the bedrock should be excavated, and extra bedding placed to provide a 3H:1V transition from the bedrock subgrade toward the soil subgrade. This treatment will reduce the propensity for bending stresses to occur in the watermain.

If blast-rock fill is used as trench fill, it should be well-graded and of maximum 300 mm in size. The use of a blinding layer or woven geotextile may be required for open-graded blast-rock.

6.5 Groundwater Control

The contractor should be prepared to direct water away from all bearing surfaces and subgrades, regardless of the source, to prevent disturbance to the founding medium.

The rate of flow of groundwater into the excavation through the overburden is anticipated to be relatively low. It is expected, however, that pumping from open sumps will be sufficient to control the groundwater influx through the sides of the excavations.

6.6 Winter Construction

Precautions must be taken if winter construction is considered for this project.

The subsoil conditions at this site mostly consist of frost susceptible materials. In presence of water and freezing conditions ice could form within the soil mass. Heaving and settlement upon thawing could occur.

In the event of construction during below zero temperatures, the founding stratum should be protected from freezing temperatures by the use of straw, propane heaters and tarpaulins or other suitable means. In this regard, the base of the excavations should be insulated from sub-zero temperatures immediately upon exposure and until such time as heat is adequately supplied to the building and the footings are protected with sufficient soil cover to prevent freezing at founding level. Placing concrete directly over cold bedrock surface is not recommended.

The trench excavations should be carried out in a manner to avoid the introduction of frozen materials, snow or ice in the trenches. As well, pavement construction is difficult during winter. The subgrade consists of frost susceptible soils which will experience total and differential frost heaving as the work takes place. Also, the introduction of frost, snow or ice into the pavement materials, which is difficult to avoid, could adversely affect the performance of the pavement structure.

7.0 INSPECTION SERVICES

It is a requirement, for the foundation design data provided herein to be applicable that the following inspection program be performed by the geotechnical consultant.

- Review of the grading plan once available.
- Full-time inspection of the pier construction operations, if applicable.
- Inspection of all bearing surfaces prior to the placement of concrete.
- Sampling and testing of the concrete and fill materials used.
- Periodic inspection of the condition of unsupported excavation side slopes in **excess** of 3.0 m in height, if applicable.
- Inspection of all subgrades prior to backfilling and follow-up field density tests to ensure that the specified level of compaction has been achieved.
- Sampling and testing of the bituminous concrete including mix design reviews.

A report confirming that these works have been conducted in general accordance with our recommendations could be issued upon the completion of a satisfactory inspection program by the geotechnical consultant.

8.0 STATEMENT OF LIMITATIONS

The recommendations made in this report are in accordance with our present understanding of the project and are preliminary in nature. A final report will be provided once the additional test holes are completed.

We request that we be permitted to review our recommendations when the drawings and specifications are complete.

The client should be aware that any information pertaining to soils and all test hole logs are furnished as a matter of general information only and test hole descriptions or logs are not to be interpreted as descriptive of conditions at locations other than those described by the test holes themselves.

A soils investigation is a limited sampling of a site. Should any conditions at the site be encountered which differ from those at the test locations, we request that we be notified immediately in order to permit reassessment of our recommendations.

The present report applies only to the project described in this document. Use of this report for purposes other than those described herein or by person(s) other than Chartwell Seniors Housing REIT or their agent(s) is not authorized without review by this firm for the applicability of our recommendations to the altered use of the report.

Paterson Group Inc



Glenn Collins, P. Eng.



Report Distribution:

Chartwell Seniors Housing REIT (1 copy)
Sedun and Kanerva Architects Inc. (2 copies)
Paterson Group Inc (1 copy)

APPENDIX 1

SOIL PROFILE AND TEST DATA SHEETS

SYMBOLS AND TERMS

SOIL PROFILE & TEST DATA

Geotechnical Investigation
Proposed Addition, 1533 St. Joseph Boulevard
Ottawa, Ontario

DATUM Approximate geodetic

FILE NO. PG0474

REMARKS

HOLE NO. PH 1

BORINGS BY CME 55 Power Auger

DATE 3 NOV 04

SOIL DESCRIPTION	STRATA PLOT	SAMPLE				DEPTH (m)	ELEV. (m)	Pen. Resist. Blows/0.3m ● 50 mm Dia. Cone				Piezometer Construction
		TYPE	NUMBER	% RECOVERY	N VALUE or RQD			○ Water Content %				
								20	40	60	80	
GROUND SURFACE						0	77.19					
FILL: Grey silt with gravel	0.09											
Inferred FILL: Brown silty clay with gravel						1	76.19					
	1.52											
Inferred GLACIAL TILL: Very stiff, brown clayey silt with gravel, cobbles and boulders						2	75.19					
						3	74.19					
						4	73.19					
End of Borehole	4.72											
Practical refusal to augering @ 4.72m depth (Open hole GWL @ 4.0m depth)												

20 40 60 80 100
Shear Strength (kPa)
▲ Undisturbed △ Remoulded

SOIL PROFILE & TEST DATA

Geotechnical Investigation
Proposed Addition, 1533 St. Joseph Boulevard
Ottawa, Ontario

DATUM Approximate geodetic

FILE NO.
PG0474

REMARKS

HOLE NO.
BH 2

BORINGS BY CME 45C Power Auger

DATE 17 NOV 04

SOIL DESCRIPTION	STRATA PLOT	SAMPLE				DEPTH (m)	ELEV. (m)	Pen. Resist. Blows/0.3m ● 50 mm Dia. Cone				Piezometer Construction
		TYPE	NUMBER	% RECOVERY	N VALUE or RQD			○ Water Content %				
GROUND SURFACE								20	40	60	80	
TOPSOIL	0.10					0	77.42					
FILL: Brown silty sand, silty clay, topsoil, cobbles and boulders		SS	1	50	10	1	76.42					
Very stiff, rusty-brown SILTY CLAY, trace sand	1.65 1.88	SS	2	96	45	2	75.42					
BEDROCK: Weathered limestone with shale		SS	3	100	50+							
End of Borehole	2.74											
Practical refusal to augering @ 2.74m depth												

20 40 60 80 100
Shear Strength (kPa)
▲ Undisturbed △ Remoulded

SOIL PROFILE & TEST DATA

Geotechnical Investigation
Proposed Addition, 1533 St. Joseph Boulevard
Ottawa, Ontario

DATUM Approximate geodetic

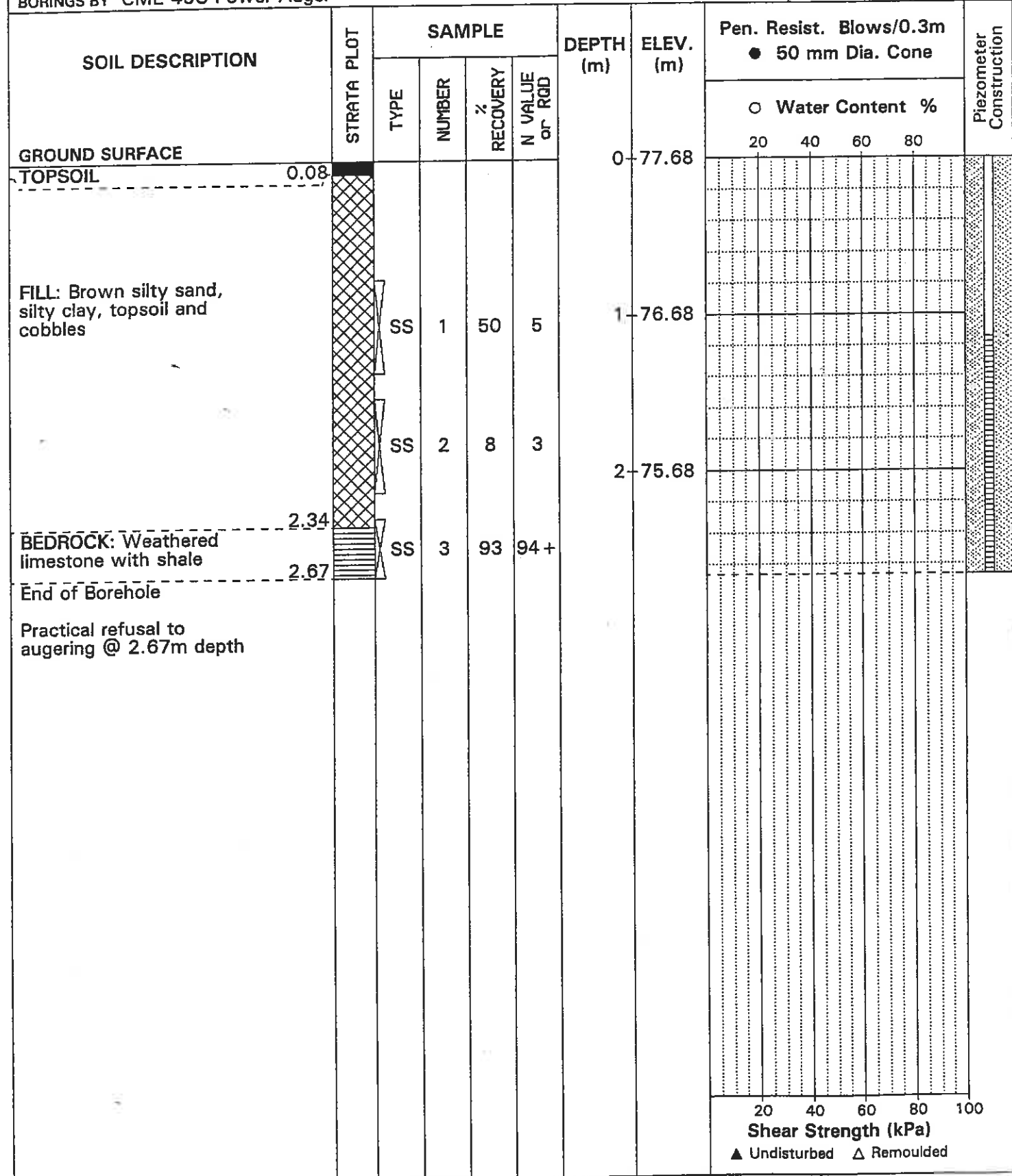
FILE NO. PG0474

REMARKS

HOLE NO. BH 3

BORINGS BY CME 45C Power Auger

DATE 17 NOV 04



SOIL PROFILE & TEST DATA

Geotechnical Investigation
Proposed Addition, 1533 St. Joseph Boulevard
Ottawa, Ontario

DATUM Approximate geodetic

FILE NO. PG0474

REMARKS

HOLE NO. BH 4

BORINGS BY CME 45C Power Auger

DATE 17 NOV 04

SOIL DESCRIPTION	STRATA PLOT	SAMPLE				DEPTH (m)	ELEV. (m)	Pen. Resist. Blows/0.3m ● 50 mm Dia. Cone				Piezometer Construction
		TYPE	NUMBER	% RECOVERY	N VALUE or RQD			○ Water Content % 20 40 60 80				
GROUND SURFACE						0	77.22					
TOPSOIL	0.05											
FILL: Light brown fine to medium sand												
	0.81											
FILL: Brown to light brown sandy silty clay with gravel		SS	1	62	7	1	76.22					
	1.52											
FILL: Light brown silty fine sand, some roots		SS	2	88	5							
	1.93											
FILL: Concrete						2	75.22					
	2.29											
Loose, brown SANDY SILT with clay, occasional gravel		SS	3	79	7							
	3.05											
End of Borehole						3	74.22					
Practical refusal to augering @ 3.05m depth												

20 40 60 80 100
Shear Strength (kPa)
▲ Undisturbed △ Remoulded

SOIL PROFILE & TEST DATA

Geotechnical Investigation
Proposed Addition, 1533 St. Joseph Boulevard
Ottawa, Ontario

DATUM Approximate geodetic

FILE NO. **PG0474**

REMARKS

HOLE NO. **BH 5**

BORINGS BY CME 45C Power Auger

DATE 17 NOV 04

SOIL DESCRIPTION	STRATA PLOT	SAMPLE				DEPTH (m)	ELEV. (m)	Pen. Resist. Blows/0.3m ● 50 mm Dia. Cone				Piezometer Construction
		TYPE	NUMBER	% RECOVERY	N VALUE or RQD			○ Water Content %				
GROUND SURFACE								20	40	60	80	
TOPSOIL	0.10					0	78.24					
FILL: Light brown fine to medium sand	0.76											
		SS	1	58	9	1	77.24					
FILL: Brown silty fine sand with clay to sandy silt, occasional gravel												
		SS	2	46	4	2	76.24					
	2.46											
GLACIAL TILL: Red-brown sandy silty clay matrix with gravel, cobbles and boulders		SS	3	79	9	3	75.24					
- 50mm thick coarse sand seam @ 3.1m depth												
- brown by 3.2m depth		SS	4	54	8							
End of Borehole	3.73											
Practical refusal to augering @ 3.73m depth												

20 40 60 80 100
Shear Strength (kPa)
▲ Undisturbed △ Remoulded

SOIL PROFILE & TEST DATA

Geotechnical Investigation
Proposed Addition, 1533 St. Joseph Boulevard
Ottawa, Ontario

DATUM Approximate geodetic

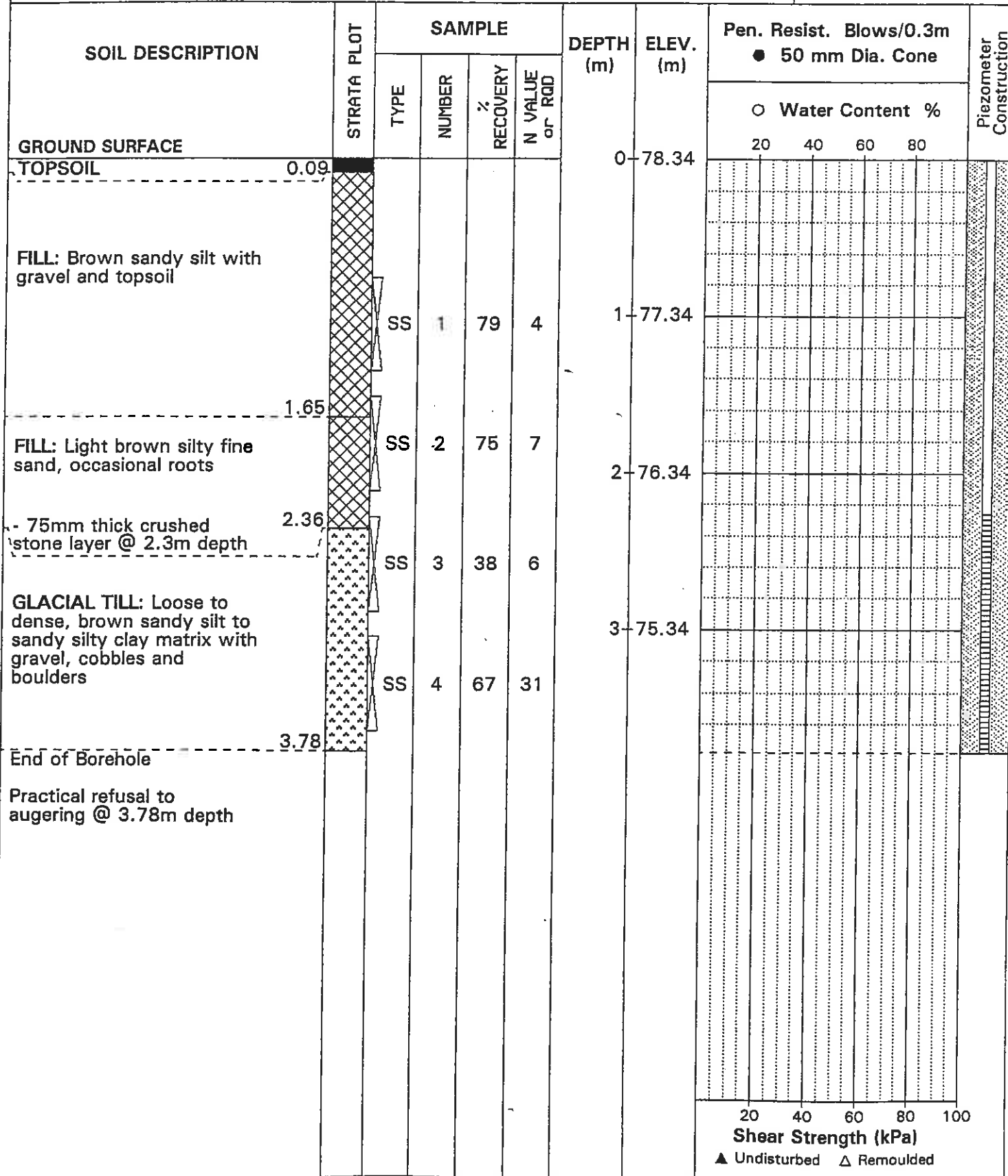
FILE NO. PG0474

REMARKS

HOLE NO. BH 6

BORINGS BY CME 45C Power Auger

DATE 17 NOV 04



SOIL PROFILE & TEST DATA

Geotechnical Investigation
Proposed Addition, 1533 St. Joseph Boulevard
Ottawa, Ontario

DATUM Approximate geodetic

FILE NO. PG0474

REMARKS

HOLE NO. PH 7

BORINGS BY CME 45C Power Auger

DATE 17 NOV 04

SOIL DESCRIPTION	STRATA PLOT	SAMPLE				DEPTH (m)	ELEV. (m)	Pen. Resist. Blows/0.3m ● 50 mm Dia. Cone				Piezometer Construction
		TYPE	NUMBER	% RECOVERY	N VALUE or RQD			○ Water Content %				
GROUND SURFACE						0	79.31	20	40	60	80	
OVERBURDEN						1	78.31					
						2	77.31					
						3	76.31					
End of Probehole							3.40					
Practical refusal to augering @ 3.40m depth												

20 40 60 80 100
Shear Strength (kPa)

▲ Undisturbed △ Remoulded

SOIL PROFILE & TEST DATA

Geotechnical Investigation
Proposed Addition, 1533 St. Joseph Boulevard
Ottawa, Ontario

DATUM Approximate geodetic

FILE NO. **PG0474**

REMARKS

HOLE NO. **PH 8**

BORINGS BY CME 45C Power Auger

DATE 17 NOV 04

SOIL DESCRIPTION	STRATA PLOT	SAMPLE				DEPTH (m)	ELEV. (m)	Pen. Resist. Blows/0.3m ● 50 mm Dia. Cone				Piezometer Construction
		TYPE	NUMBER	% RECOVERY	N VALUE or RQD			○ Water Content %				
GROUND SURFACE						0	76.53	20	40	60	80	
OVERBURDEN						1	75.53					
End of Probehole							1.93					
Practical refusal to augering @ 1.93m depth												

20 40 60 80 100
Shear Strength (kPa)
▲ Undisturbed △ Remoulded

SOIL PROFILE & TEST DATA

Geotechnical Investigation
Proposed Addition, 1533 St. Joseph Boulevard
Ottawa, Ontario

DATUM Approximate geodetic

FILE NO. **PG0474**

REMARKS

HOLE NO. **PH 9**

BORINGS BY CME 45C Power Auger

DATE 17 NOV 04

SOIL DESCRIPTION	STRATA PLOT	SAMPLE				DEPTH (m)	ELEV. (m)	Pen. Resist. Blows/0.3m ● 50 mm Dia. Cone				Piezometer Construction
		TYPE	NUMBER	% RECOVERY	N VALUE or ROD			○ Water Content %				
GROUND SURFACE						0	79.05	20	40	60	80	
OVERBURDEN						1	78.05					
						2	77.05					
End of Probehole						2.95						
Practical refusal to augering @ 2.95m depth												

20 40 60 80 100
Shear Strength (kPa)
▲ Undisturbed △ Remoulded

SYMBOLS AND TERMS

SOIL DESCRIPTION

Behavioural properties, such as structure and strength, take precedence over particle gradation in describing soils. Terminology describing soil structure are as follows:

Desiccated	-	having visible signs of weathering by oxidation of clay minerals, shrinkage cracks, etc.
Fissured	-	having cracks, and hence a blocky structure.
Varved	-	composed of regular alternating layers of silt and clay.
Stratified	-	composed of alternating layers of different soil types, e.g. silt and sand or silt and clay.
Well-Graded	-	having wide range in grain sizes and substantial amounts of all intermediate particle sizes (see Grain Size Distribution).
Uniformly-Graded	-	predominantly of one grain size (see Grain Size Distribution).

The standard terminology to describe the strength of cohesionless soils is the relative density, usually inferred from the results of the Standard Penetration Test (SPT) 'N' value. The SPT N value is the number of blows of a 63.5 kg hammer, falling 760 mm, required to drive a 51 mm O.D. split spoon sampler 300 mm into the soil after an initial penetration of 150 mm.

Relative Density	'N' Value	Relative Density %
Very Loose	<4	<15
Loose	4-10	15-35
Compact	10-30	35-65
Dense	30-50	65-85
Very Dense	>50	>85

The standard terminology to describe the strength of cohesive soils is the consistency, which is based on the undisturbed undrained shear strength as measured by in situ or laboratory vane tests, penetrometer tests, unconfined compression tests, or occasionally by Standard Penetration Tests.

Consistency	Undrained Shear Strength (kPa)	'N' Value
Very Soft	<12	<2
Soft	12-25	2-4
Firm	25-50	4-8
Stiff	50-100	8-15
Very Stiff	100-200	15-30
Hard	>200	>30

SYMBOLS AND TERMS (continued)

SOIL DESCRIPTION (continued)

Cohesive soils can also be classified according to their "sensitivity". The sensitivity is the ratio between the undisturbed undrained shear strength and the remoulded undrained shear strength of the soil.

Terminology used for describing soil strata based upon texture, or the proportion of individual particle sizes present is provided on the Textural Soil Classification Chart at the end of this information package.

ROCK DESCRIPTION

The structural description of the bedrock mass is based on the Rock Quality Designation (RQD).

The RQD classification is based on a modified core recovery percentage in which all pieces of sound core over 100 mm long are counted as recovery. The smaller pieces are considered to be a result of closely-spaced discontinuities (resulting from shearing, jointing, faulting, or weathering) in the rock mass and are not counted. RQD is ideally determined from NXL size core. However, it can be used on smaller core sizes, such as BX, if the bulk of the fractures caused by drilling stresses (called "mechanical breaks") are easily distinguishable from the normal in-situ fractures.

RQD %	ROCK QUALITY
90-100	Excellent, intact, very sound
75-90	Good, massive, moderately jointed or sound
50-75	Fair, blocky and seamy, fractured
25-50	Poor, shattered and very seamy or blocky, severely fractured
0-25	Very poor, crushed, very severely fractured

SAMPLE TYPES

SS	-	Split spoon sample (obtained in conjunction with the performing of the Standard Penetration Test (SPT))
TW	-	Thin wall tube or Shelby tube
PS	-	Piston sample
AU	-	Auger sample or bulk sample
WS	-	Wash sample
RC	-	Rock core sample (Core bit size AXT, BXL, etc.) Rock core samples are obtained with the use of standard diamond drilling bits

SYMBOLS AND TERMS (continued)

GRAIN SIZE DISTRIBUTION

- MC% - Natural moisture content or water content of sample, %
LL - Liquid limit, % (water content above which soil behaves as a liquid)
PL - Plastic limit, % (water content above which soil behaves plastically)
PI - Plasticity index, % (difference between LL and PL)
- D_{xx} - Grain size at which xx% of the soil, by weight, is of finer grain sizes
These grain size descriptions are not used below 0.075 mm grain size
- D₁₀ - Grain size at which 10% of the soil is finer (effective grain size)
D₆₀ - Grain size at which 60% of the soil is finer
- C_c - Concavity coefficient = $(D_{30})^2 / (D_{10} \times D_{60})$
C_u - Uniformity coefficient = D_{60} / D_{10}

C_c and C_u are used to assess the grading of sands and gravels:

Well-graded gravels have: $1 < C_c < 3$ and $C_u > 4$

Well-graded sands have: $1 < C_c < 3$ and $C_u > 6$

Sand and gravels not meeting the above requirements are poorly-graded or uniformly-graded.

C_c and C_u are not applicable for the description of soils with more than 10% silt and clay (more than 10% finer than 0.075 mm or the #200 sieve)

CONSOLIDATION TEST

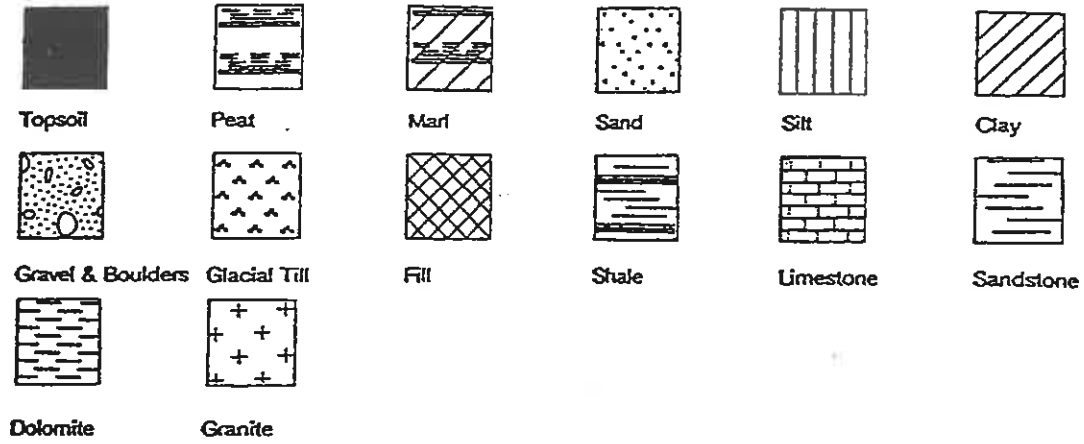
- p'_o - Present effective overburden pressure at sample depth
p'_c - Preconsolidation pressure of (maximum past pressure on) sample
C_{cr} - Recompression index (in effect at pressures below p'_c)
C_c - Compression Index (in effect at pressures above p'_c)
- OC Ratio Overconsolidation ratio = p'_c / p'_o
Void Ratio Initial sample void ratio = volume of voids / volume of solids
W_o - Initial water content (at start of consolidation test)

PERMEABILITY TEST

- k - Coefficient of permeability or hydraulic conductivity is a measure of the ability of water to flow through the sample. The value of k is measured at a specified unit weight for (remoulded) cohesionless soil samples, because its value will vary with the unit weight or density of the sample during the test.

SYMBOLS AND TERMS (continued)

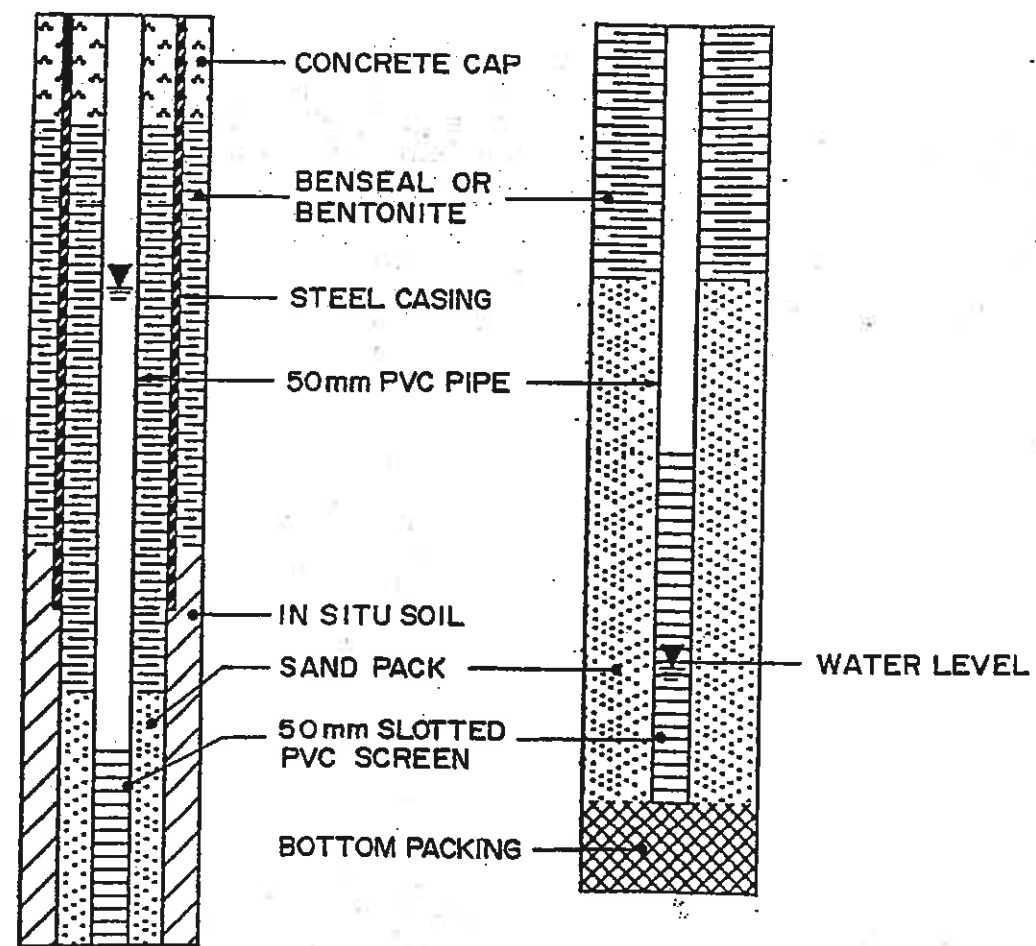
STRATA PLOT



MONITORING WELL AND PIEZOMETER CONSTRUCTION

Monitoring Well Construction

Piezometer Construction



APPENDIX 2

FIGURE 1 - KEY PLAN

DRAWING No. PG0474-1 - TEST HOLE LOCATION PLAN

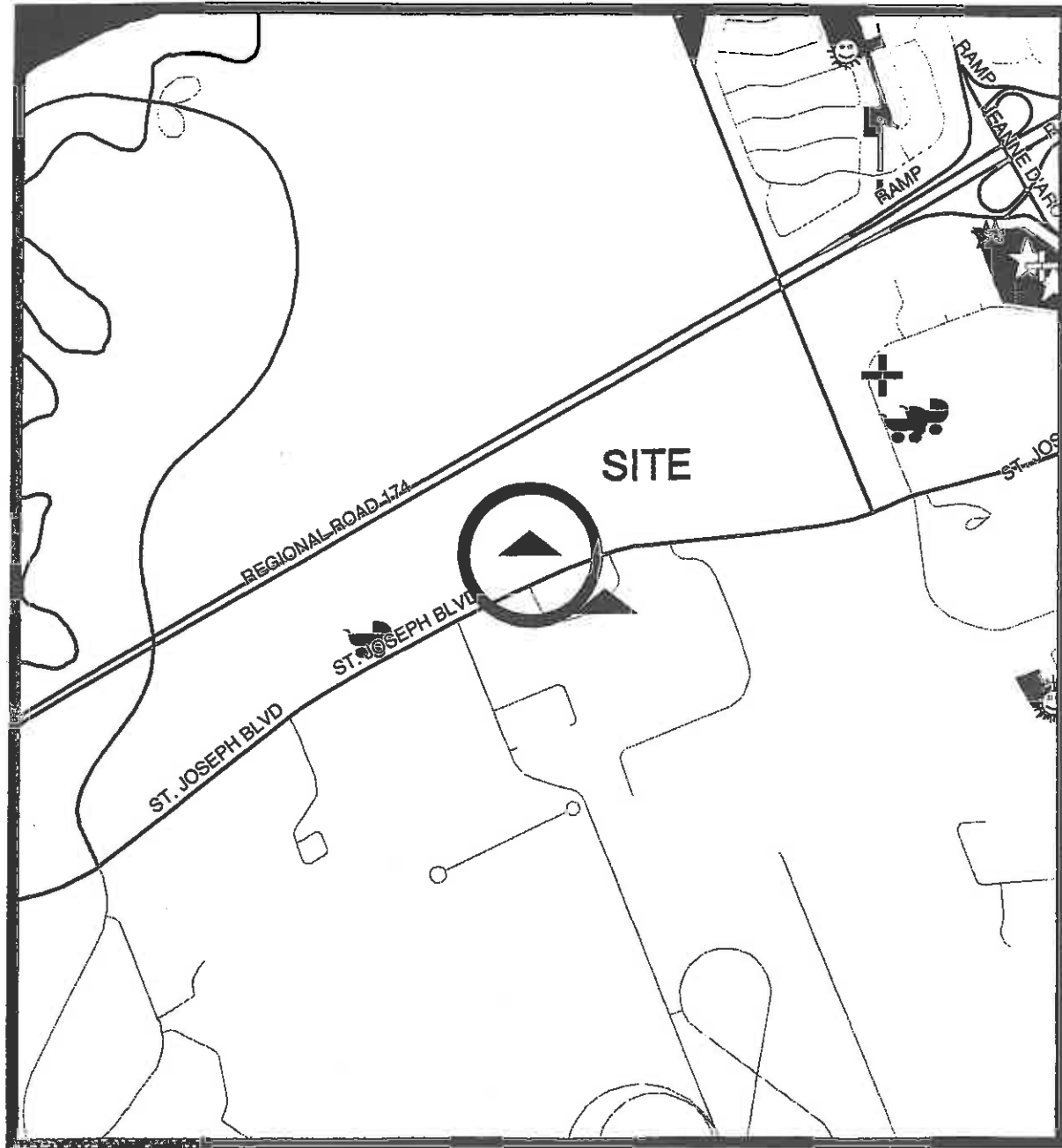
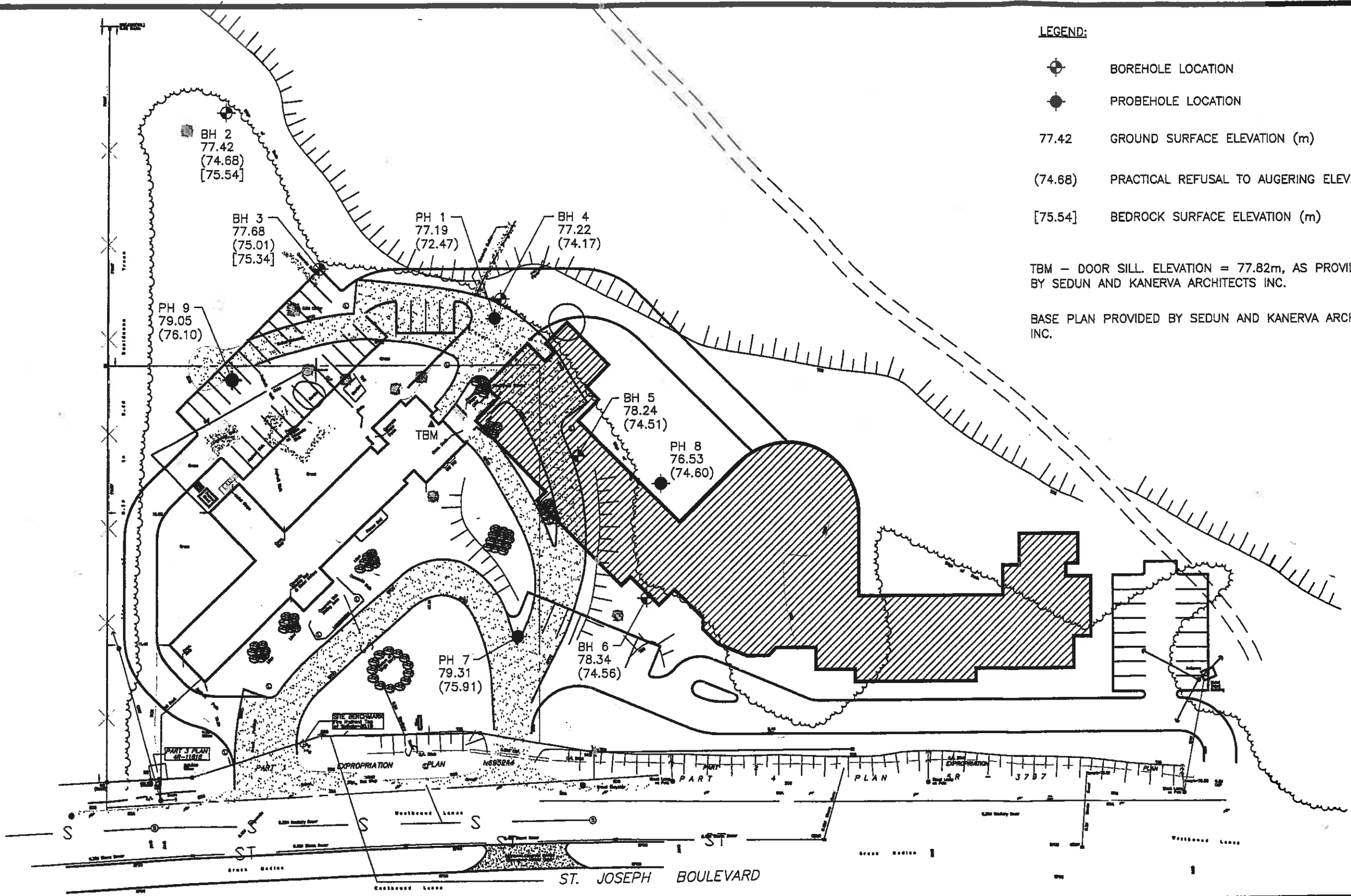
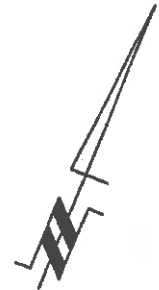


FIGURE 1
KEY PLAN



LEGEND:

- BOREHOLE LOCATION
- PROBEHOLE LOCATION
- 77.42 GROUND SURFACE ELEVATION (m)
- (74.68) PRACTICAL REFUSAL TO AUGERING ELEV. (m)
- [75.54] BEDROCK SURFACE ELEVATION (m)

TBM - DOOR SILL. ELEVATION = 77.82m, AS PROVIDED BY SEDUN AND KANERVA ARCHITECTS INC.

BASE PLAN PROVIDED BY SEDUN AND KANERVA ARCHITECTS INC.

paterson group
 consulting engineers
 28 Concourse Gate, Unit 1, Ottawa, Ontario K2E 7T7

Scale: 1:750
 Des.:
 Dwn: MPG
 Chkd: GC

CHARTWELL SENIORS HOUSING REIT
 c/o SEDUN AND KANERVA ARCHITECTS INC.
 GEOTECHNICAL INVESTIGATION
 1533 ST-JOSEPH BOULEVARD
 OTTAWA, ONTARIO

TEST HOLE LOCATION PLAN

Dwg. No. **PG0474-1**
 Report No.: PG0474-01
 Date: 12/2004

Appendix D

Historical City Directories Search



CITY
DIRECTORY

Project Property: *1541 St Joseph Blvd Phase I ESA
1541 St Joseph Blvd
Ottawa, ON K1C 7L3*

Project No: *12650439*

Requested By: *GHD Limited*

Order No: *24091800357*

Date Completed: *September 19, 2024*

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

September 19, 2024
RE: CITY DIRECTORY RESEARCH
1541 St Joseph Blvd
Ottawa, ON K1C 7L3

Thank you for contacting ERIS regarding our City Directory Search services. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. When searching a range of addresses, all civic addresses within that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on highly developed areas, while newly developed areas may be covered in the more recent years, older directories tend to cover only "central" parts of the city. To complete the search, we have either utilized the Toronto Reference Library, Library & Archives Canada and multiple digitized directories. While these do not claim to be a complete collection of all reverse listing city directories produced, ERIS has made every effort to provide accurate and complete information. ERIS shall not be held liable for missing, incomplete, or inaccurate information. If you believe there are additional addresses or streets that require searching, please contact us.

Search Criteria:

1533 of Saint Joseph Boulevard
1501 of Saint Joseph Boulevard
1705 of Saint Joseph Boulevard
1426 of Saint Joseph Boulevard
1541 of Saint Joseph Boulevard
1485 of Saint Joseph Boulevard

Search Notes:

Search Results Summary

Data from 2012 to 2017 does not include residential information

Date	Source	Comment
2023	DIGITAL BUSINESS DIRECTORY	
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2006-07	VERNONS	
2000	POLKS	
1997	POLKS	
1994	POLKS	
1991	MIGHTS	
1987	MIGHTS	
1981-82	MIGHTS	
1976	MIGHTS	
1971	MIGHTS	
1966	MIGHTS	
1960	MIGHTS	

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1485 WAYNE STROUGHAIR...RESIDENTIAL
 1501 S HENRIE...RESIDENTIAL
 1533 B KING...RESIDENTIAL
 1533 C BEAUSOLEIL...RESIDENTIAL
 1533 C WHITTER...RESIDENTIAL
 1533 D SATOV...RESIDENTIAL
 1533 DONALD THOMAS...RESIDENTIAL
 1533 L HURTUBISE...RESIDENTIAL
 1533 L PITRE...RESIDENTIAL
 1533 M STONEMAN...RESIDENTIAL
 1533 ROLAND DUBE...RESIDENTIAL
 1533 W BRAYTON...RESIDENTIAL
 1541 LEISUREWORLD-MADONNA...ENGINEERS-CONSULTING
 1541 MADONNA LTC RESIDENCE...NURSING & CONVALESCENT HOMES
 1705 WHITE SANDS GOLF COURSE...GOLF PRACTICE RANGES
 1705 WHITE SANDS GOLF CRSE-PRACTICE...GOLF COURSES-PUBLIC

1485 WAYNE C STROUGHAIR...RESIDENTIAL
 1501 S HENRIE...RESIDENTIAL
 1533 B KING...RESIDENTIAL
 1533 C BEAUSOLEIL...RESIDENTIAL
 1533 C WHITTER...RESIDENTIAL
 1533 D SATOV...RESIDENTIAL
 1533 DONALD A THOMAS...RESIDENTIAL
 1533 L A PITRE...RESIDENTIAL
 1533 L HURTUBISE...RESIDENTIAL
 1533 M STONEMAN...RESIDENTIAL
 1533 ROLAND DUBE...RESIDENTIAL
 1533 W BRAYTON...RESIDENTIAL
 1541 LEISUREWORLD-MADONNA...WELDING
 1541 LEISUREWORLD-MADONNA...MACHINE SHOPS (MFRS)
 1541 MADONNA CARE COMMUNITY...NON-PROFIT ORGANIZATIONS
 1705 WHITE SANDS GOLF COURSE...GOLF PRACTICE RANGES
 1705 WHITE SANDS GOLF CRSE-PRACTICE...GOLF PRACTICE RANGES

1426 **SNC LAVALIN PROFAC**...OFFICES OF REAL ESTATE AGENTS & BROKERS
1533 **AMICONE DESIGN BUILD INC**...COMMERCIAL BUILDING CONSTRUCTION
1541 **MADONNA LONG TERM RESIDENCE**...NURSING CARE FACILITIES
1705 **NEVADA BOB'S GOLF**...SPORTING GOODS STORES
1705 **WHITE SANDS GOLF COURSE**...STORE RETAILERS NOT SPECIFIED
ELSEWHERE

1426 **CAFE DU COIN**...CATERERS
1426 **S N C LAVALIN PROFAC**...OFFICES OF REAL ESTATE AGENTS & BROKERS
1533 **GUARDIAN MEDICAL PHARMACY**...PHARMACIES & DRUG STORES
1533 **MADONNA NURSING**...NURSING CARE FACILITIES
1705 **CHUCK BROWN'S GOLF CO LTD**...SPORTING GOODS STORES
1705 **NEVADA BOB'S**...SPORTING GOODS STORES
1705 **ORLEANS GOLF ACADEMY**...GOLF COURSES & COUNTRY CLUBS

2006-07 SAINT JOSEPH BOULEVARD

SOURCE: VERNONS

1426 ADDRESS NOT LISTED
1485 RESIDENTIAL (1 TENANT)
1501 RESIDENTIAL (1 TENANT)
1533 AMICONE DESIGN
1533 GUARDIAN MEDICAL PHARMACY
1533 MADONNA NURSING HOME
1533 MULTI TENANT RESIDENTIAL
1541 ADDRESS NOT LISTED
1705 CHUCK BROWN GOLF
1705 ORLEANS GOLF ACADEMY
1705 THE DANIELE-NADON GOLF SCHOOL

2000 SAINT JOSEPH BOULEVARD

SOURCE: POLKS

1426 CAFE DU COIN
1485 RESIDENTIAL (1 TENANT)
1501 MULTI TENANT RESIDENTIAL
1533 MADONNA NURSING HOME
1533 MULTI TENANT RESIDENTIAL
1541 ADDRESS NOT LISTED
1705 CHUCK BROWN'S GOLF CO LTD
1705 ORLEANS GOLF ACADEMY
1705 THE DANIELLE-NADON GOLF SCHOOL

1426 CAFE DU COIN
1485 RESIDENTIAL (1 TENANT)
1501 RESIDENTIAL (1 TENANT)
1533 MADONNA NURSING HOME
1533 MULTI TENANT RESIDENTIAL
1541 ADDRESS NOT LISTED
1705 ADDRESS NOT LISTED

1426 ADDRESS NOT LISTED
1485 ADDRESS NOT LISTED
1501 ADDRESS NOT LISTED
1533 MADONNA NURSING HOME
1533 MULTI TENANT RESIDENTIAL
1541 ADDRESS NOT LISTED
1705 ADDRESS NOT LISTED

1426	ADDRESS NOT LISTED
1485	ADDRESS NOT LISTED
1501	ADDRESS NOT LISTED
1533	MADONNA NURSING HOME
1541	ADDRESS NOT LISTED
1705	ADDRESS NOT LISTED

1426	ADDRESS NOT LISTED
1485	ADDRESS NOT LISTED
1501	ADDRESS NOT LISTED
1533	ADDRESS NOT LISTED
1541	ADDRESS NOT LISTED
1705	ADDRESS NOT LISTED

1426 ADDRESS NOT LISTED
1485 ADDRESS NOT LISTED
1501 ADDRESS NOT LISTED
1533 ADDRESS NOT LISTED
1541 ADDRESS NOT LISTED
1705 ADDRESS NOT LISTED

1426 ADDRESS NOT LISTED
1485 ADDRESS NOT LISTED
1501 ADDRESS NOT LISTED
1533 ADDRESS NOT LISTED
1541 ADDRESS NOT LISTED
1705 ADDRESS NOT LISTED

1426 ADDRESS NOT LISTED
1485 ADDRESS NOT LISTED
1501 ADDRESS NOT LISTED
1533 ADDRESS NOT LISTED
1541 ADDRESS NOT LISTED
1705 ADDRESS NOT LISTED

1426 ADDRESS NOT LISTED
1485 ADDRESS NOT LISTED
1501 ADDRESS NOT LISTED
1533 ADDRESS NOT LISTED
1541 ADDRESS NOT LISTED
1705 ADDRESS NOT LISTED

1426 ADDRESS NOT LISTED
1485 ADDRESS NOT LISTED
1501 ADDRESS NOT LISTED
1533 ADDRESS NOT LISTED
1541 ADDRESS NOT LISTED
1705 ADDRESS NOT LISTED

Appendix E

Regulatory Agency Records

From: noreply@ontario.ca
To: [Matthew Fousina-Webb](#)
Subject: FOI eRequest – Rousina-Webb - 20260128054124739
Date: Wednesday, January 28, 2026 5:50:28 AM
Attachments: [Rousina-Webb-20260128054124739.pdf](#)

You don't often get email from noreply@ontario.ca. [Learn why this is important](#)

Thank you for submitting your Access or Correction request form under the *Freedom of Information and Protection of Privacy Act* (FIPPA).

Your request form and application fee were submitted on January 28, 2026 at 05:41 AM.

Please make a note that the submission ID for this application is: 20260128054124739. A copy of your request form is attached for your reference. The payment confirmation number can be found on the last page of the attachment.

A representative from the Ministry of Environment, Conservation and Parks may contact you during the request process with additional information.

Alternatively, you may contact the Freedom of Information and Privacy Coordinator at the Ministry of Environment, Conservation and Parks directly for further information.

From: [FOI \(MECP\)](#)
To: [Matthew Rousina-Webb](#)
Subject: MECP FOI A-2026-00701 – Acknowledgement
Date: Thursday, January 29, 2026 10:41:15 AM
Attachments: [image001.png](#)

You don't often get email from foi.mecp@ontario.ca. [Learn why this is important](#)

Dear Matthew Rousina-Webb,

The Ministry is in receipt of your request made pursuant to the Freedom of Information and Protection of Privacy Act along with your payment of \$5.00 (non-refundable application fee). **The search will be conducted on the following:**

1533 and 1541 St. Joseph Boulevard, Orleans (amended)

Timeframe: 1900/01/01 to 2026/01/01

If there is any discrepancy, please contact us immediately.

Please note the file number that has been assigned to your request. This number should be referred to in all future communications with our office.

Your request is being processed and our office will be in touch.

Yours truly,
Access and Privacy Office
Ministry of the Environment, Conservation and Parks



From: Public Secure - Please Do Not Reply (MPBSDP) <noreply@ontario.ca>
Sent: January 28, 2026 5:50 AM
To: FOI (MECP) <foi.mecp@ontario.ca>
Subject: FOI eRequest – Rousina-Webb - 20260128054124739

The submission ID of this application is: 20260128054124739

Date Submitted: January 28, 2026 at 05:41 AM

A copy of the FOI eRequest is attached.

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Appendix F

Environmental Databases Search Report



DATABASE REPORT

Project Property: *Additional Due Dilligence - 1541 St. Joseph Blvd, Orleans ON
1533-1541 St Joseph Boulevard
Ottawa ON K1C 7L3*

Project No: *12683832*

Report Type: *RSC Report - Quote*

Order No: *26010800374*

Requested by: *GHD Contractors Limited*

Date Completed: *January 29, 2026*

Environmental Risk Information Services

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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.

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Executive Summary

Property Information:

Project Property: *Additional Due Dilligence - 1541 St. Joseph Blvd, Orleans ON
1533-1541 St Joseph Boulevard Ottawa ON K1C 7L3*

Project No: 12683832

Order Information:

Order No: 26010800374
Date Requested: January 8, 2026
Requested by: GHD Contractors Limited
Report Type: RSC Report - Quote

Historical/Products:

ERIS Xplorer [ERIS Xplorer](#)
Topographic Map RSC Maps

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.30km</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	1	1
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	7	7
CA	<i>Certificates of Approval</i>	Y	1	0	1
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	3	0	3
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	1	2	3
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EOR	<i>Environmental Offenders Registry</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
ESNR	<i>Excess Soil Registry</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	1	1
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	13	13
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	2	23	25

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
HIST RISK	<i>Historical Business Activity Risk</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
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	1	1
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
NOC	<i>Notice of Contamination List</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPR2	<i>National Pollutant Release Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory - Historic</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PFAS	<i>Ontario PFAS Spills</i>	Y	0	0	0
PFCH	<i>NPRI Reporters - PFAS Substances</i>	Y	0	0	0
PFHA	<i>Potential PFAS Handlers from NPRI</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	2	2
PPHA	<i>Potential PFAS Handlers from EASR</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	4	4
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 Directories</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	1	1	2
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.30km</i>	<i>Total</i>
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variations for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WMS	Waste Management Site	Y	0	0	0
WWIS	Water Well Information System	Y	0	13	13
Total:			8	68	76

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>
1	GEN	MADONNA NURSING HOME 26-668	1533 ST. JOSEPH BLVD. BOX 560 ORLEANS ON K1C 7L3	S/0.0	2.86	26
1	SPL	MADONNA NURSING	MADONNA NURSING, 1533 ST. JOSEPH ST., GLOUCESTER STORAGE TANK OTTAWA CITY ON K1C 7L3	S/0.0	2.86	26
2	ECA	Amico Properties Inc.	1541 St. Joseph Blvd Ottawa ON N0R 1L0	E/0.0	-6.13	27
3	EHS		1541 St Joseph Blvd Ottawa ON K1C 7L3	ESE/0.0	-1.75	27
4	CA	2052740 Ontario Inc.	1533 St. Joseph Blvd Ottawa ON K1C 7L3	WNW/0.0	-2.95	27
4	ECA	Amico Properties Inc.	1533 St. Joseph Blvd Ottawa ON N0R 1L0	WNW/0.0	-2.95	28
4	ECA	2052740 Ontario Inc.	1533 St. Joseph Blvd Ottawa ON L5R 4H1	WNW/0.0	-2.95	28
4	GEN	Aspira Lincoln Park Retirement Living	1533 Saint Joseph Boulevard Ottawa ON	WNW/0.0	-2.95	28

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
5	WWIS		1513 ST. JOSEPH BLVD lot 23 con 11 OTTAWA ON Well ID: 1536368	SW/13.9	10.54	29
5	WWIS		1513 ST. JOSEPH OTTAWA ON Well ID: 1536768	SW/13.9	10.54	31
6	BORE		ON	E/16.4	-4.28	32
7	WWIS		lot 10 con 1 ON Well ID: 1500718	E/16.6	-4.28	34
8	BORE		ON	WSW/35.5	10.00	37
9	BORE		ON	S/44.5	7.96	38
10	WWIS		lot 9 con 1 ON Well ID: 1500716	E/56.0	-2.24	39
11	WWIS		lot 10 con 1 ON Well ID: 1500723	WSW/66.0	13.49	42
12	WWIS		1501 ST. JOSEPH BLVD OTTAWA ON Well ID: 1536574	WSW/73.2	13.47	44
13	WWIS		lot 10 con 1 ON Well ID: 1500719	SW/74.4	9.78	47
14	FRST	RCMP - CTR	1426 St. Joseph Boulevard Ottawa-Orleans ON	SW/87.0	9.93	49
14	FRST		1426 St. Joseph Boulevard Ottawa ON	SW/87.0	9.93	54

<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>
14	FRST		1426 St. Joseph Boulevard Ottawa ON	SW/87.0	9.93	60
14	FRST		1426 St. Joseph Boulevard Orleans ON	SW/87.0	9.93	62
14	FRST		1426 St. Joseph Boulevard Orleans ON	SW/87.0	9.93	67
14	FRST		1426 St Joseph Blvd Orelans ON	SW/87.0	9.93	69
14	FRST		1426 St. Joseph Blvd Ottawa ON	SW/87.0	9.93	72
14	FRST		1426 St. Joseph Blvd. Ottawa ON	SW/87.0	9.93	74
14	FRST		1426 St. Joseph Blvd Ottawa ON	SW/87.0	9.93	77
14	FRST		1426 St. Joseph Boulevard Orleans ON	SW/87.0	9.93	80
14	FRST		1426 St. Joseph Boulevard Orleans ON	SW/87.0	9.93	84
14	FRST		1426 St. Joseph Ottawa ON	SW/87.0	9.93	86
15	EHS		1510 St. Joseph Boulevard Orleans (Ottawa) ON K1C 7L1	SE/94.9	10.96	89
16	FCS	1501 St. Joseph, Ottawa	Ottawa ON	W/99.7	9.01	89
17	AMIS	GRANT GOSSELIN QUARRY	GLOUCESTER ON	S/110.9	8.99	100

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
18	MNR	Grant Brothers	ON	S/111.2	8.99	100
19	BORE		ON	SW/126.0	9.29	101
20	WWIS		lot 10 con 1 ON Well ID: 1500721	WSW/126.2	13.32	102
21	FRST	MacEwen Petroleum Inc.	1705 St-Joseph Blvd Orleans ON	NE/127.1	-12.68	105
21	GEN	White Sands Golf and Practice Centre	1705 St Joseph Blvd Orleans ON K1C 7L1	NE/127.1	-12.68	108
21	PTTW	1292485 Ontario Inc.,(Orleans Golf Academy)	1705 St. Joseph Blvd., Orleans Ottawa ON	NE/127.1	-12.68	109
21	PTTW	1292485 Ontario Inc.	White Sands Golf Course and Practice Centre 1705 St. Joseph Boulevard, Lots 8, 9 and 10, Concession 1, On Ottawa River, City of Ottawa CITY OF OTTAWA ON	NE/127.1	-12.68	109
21	PTTW	1292485 Ontario Inc.	ON	NE/127.1	-12.68	110
21	PTTW	1292485 Ontario Inc.	1705 St. Joseph Boulevard Ottawa, ON Canada ON	NE/127.1	-12.68	110
22	WWIS		lot 10 con 1 ON Well ID: 1500720	WSW/130.9	13.01	111
23	WWIS		lot 10 con 1 ON Well ID: 1500722	WSW/137.8	13.01	114
24	BORE		ON	WSW/138.1	13.01	116

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
25	WWIS		lot 10 con 1 ON <i>Well ID:</i> 1500717	SSE/154.9	11.05	118
26	BORE		ON	SSE/155.5	11.05	120
27	EHS		1510 St Joseph Blvd Ottawa ON K1C 7L1	SE/166.0	13.01	122
28	WWIS		1510 ST. JOSEPH BLVD ORLEANS ON <i>Well ID:</i> 1536773	SSE/171.2	12.37	122
29	WWIS		lot 10 con 1 ON <i>Well ID:</i> 7271616	SSE/197.6	11.54	124
30	GEN	GVT OF CAN-PUBLIC WORKS BUILD SERV	LAND ENGINEERING TEST ESTABLISMENT 1426 ST. JOSEPH BLVD. GLOUCESTER ON K1A 0R2	S/287.5	13.27	125
30	GEN	GVT(OUT OF BUS) 16-277	LAND ENGINEERING TEST ESTABLISMENT 1426 ST. JOSEPH BLVD. GLOUCESTER ON K1A 0R2	S/287.5	13.27	127
30	GEN	GVT OF CAN-PUBLIC WORKS BUILD SERV16-277	LAND ENGINEERING TEST ESTABLISMENT 1426 ST. JOSEPH BLVD. GLOUCESTER ON K1A 0R2	S/287.5	13.27	128
30	GEN	PUBLIC WORKS CANADA (OUT OF BUSINESS)	LAND ENGINEERING TEST ESTABLISMENT 1426 ST. JOSEPH BOULEVARD GLOUCESTER ON K1A 0R2	S/287.5	13.27	130
30	GEN	ROYAL CANADIAN MOUNTED POLICE	1426 ST. JOSEPH BLVD. GLOUCESTER ON K1A 0R2	S/287.5	13.27	132
30	GEN	ROYAL CANADIAN MOUNTED POLICE	1426 ST. JOSEPH BOULEVARD GLOUCESTER ON K1A 0R2	S/287.5	13.27	133
30	GEN	GVT. OF CAN. - R.C.M.P.	1426 ST. JOSEPH BOULEVARD GLOUCESTER ON K1A 0R2	S/287.5	13.27	134
30	GEN	GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON K1A 0R2	S/287.5	13.27	135

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
30	GEN	GOV'T. OF CANADA - R.C.M.P.	1426 ST. JOSEPH BOULEVARD CUMBERLAND TWP. ON K1A 0R2	S/287.5	13.27	137
30	GEN	GVT. OF CAN. - R.C.M.P.	1426 ST. JOSEPH BOULEVARD CUMBERLAND TWP. ON K1A 0R2	S/287.5	13.27	137
30	GEN	GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON	S/287.5	13.27	138
30	GEN	GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON	S/287.5	13.27	140
30	GEN	GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON	S/287.5	13.27	142
30	GEN	GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON K1A 0R2	S/287.5	13.27	143
30	GEN	GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 405 OTTAWA ON K1C 7K9	S/287.5	13.27	145
30	GEN	GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 405 OTTAWA ON K1C 7K9	S/287.5	13.27	148
30	GEN	Ottawa Police Service, City of Ottawa	1426 St Joseph Blvd Ottawa ON K1C 7K9	S/287.5	13.27	156
30	GEN	Royal Canadian Mounted Police Technical Analysis Section	1426 St. Joseph Blvd Ottawa ON K1C 7K9	S/287.5	13.27	156
30	GEN	RCMP Ottawa Armoury	1426 Saint Joseph Boulevard Ottawa ON	S/287.5	13.27	157
30	GEN	RCMP	1426 Saint Joseph Boulevard Ottawa ON	S/287.5	13.27	158

<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>
30	GEN	RCMP Ottawa Post	1426 Saint Joseph Boulevard Ottawa ON	S/287.5	13.27	159
30	GEN	RCMP - TPOF CNC Machine Shop	1426 Saint Joseph Boulevard Ottawa ON	S/287.5	13.27	160
30	PINC	RCMP TPOF - SNC LAVALIN	1426 ST JOSEPH BLVD,,ORLÉANS,ON, K1A 0R2,CA ON	S/287.5	13.27	161
30	PINC	ENBRIDGE GAS INC	1426 ST. JOSEPH'S BLVD,,ORLEANS, ON,K1C 7K9,CA ON	S/287.5	13.27	161
30	SPL		1426 St. Joseph Blvd. Ottawa ON	S/287.5	13.27	162
31	BORE		ON	ESE/294.9	14.47	163

Executive Summary: Summary By Data Source

AMIS - Abandoned Mine Information System

A search of the AMIS database, dated 1800-May 2025 has found that there are 1 AMIS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
GRANT GOSSELIN QUARRY	GLOUCESTER ON	110.9	<u>17</u>

BORE - Borehole

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	16.4	<u>6</u>
	ON	35.5	<u>8</u>
	ON	44.5	<u>9</u>
	ON	126.0	<u>19</u>
	ON	138.1	<u>24</u>
	ON	155.5	<u>26</u>
	ON	294.9	<u>31</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
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CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
2052740 Ontario Inc.	1533 St. Joseph Blvd Ottawa ON K1C 7L3	0.0	<u>4</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011 - Nov 30, 2025 has found that there are 3 ECA site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Amico Properties Inc.	1541 St. Joseph Blvd Ottawa ON N0R 1L0	0.0	<u>2</u>
Amico Properties Inc.	1533 St. Joseph Blvd Ottawa ON N0R 1L0	0.0	<u>4</u>
2052740 Ontario Inc.	1533 St. Joseph Blvd Ottawa ON L5R 4H1	0.0	<u>4</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Nov 30, 2025 has found that there are 3 EHS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1541 St Joseph Blvd Ottawa ON K1C 7L3	0.0	<u>3</u>
	1510 St. Joseph Boulevard Orleans (Ottawa) ON K1C 7L1	94.9	<u>15</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1510 St Joseph Blvd Ottawa ON K1C 7L1	166.0	27

FCS - Contaminated Sites on Federal Land

A search of the FCS database, dated Jun 2000-Oct 2025 has found that there are 1 FCS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1501 St. Joseph, Ottawa	Ottawa ON	99.7	16

FRST - Federal Identification Registry for Storage Tank Systems (FIRSTS)

A search of the FRST database, dated Oct 31, 2021 has found that there are 13 FRST site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1426 St Joseph Blvd Orelans ON	87.0	14
	1426 St. Joseph Boulevard Orleans ON	87.0	14
	1426 St. Joseph Boulevard Orleans ON	87.0	14
	1426 St. Joseph Boulevard Ottawa ON	87.0	14
	1426 St. Joseph Boulevard Ottawa ON	87.0	14
	1426 St. Joseph Ottawa ON	87.0	14

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
RCMP - CTR	1426 St. Joseph Boulevard Ottawa-Orleans ON	87.0	14
	1426 St. Joseph Blvd Ottawa ON	87.0	14
	1426 St. Joseph Blvd. Ottawa ON	87.0	14
	1426 St. Joseph Boulevard Orleans ON	87.0	14
	1426 St. Joseph Boulevard Orleans ON	87.0	14
	1426 St. Joseph Blvd Ottawa ON	87.0	14
MacEwen Petroleum Inc.	1705 St-Joseph Blvd Orleans ON	127.1	21

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Mar 31, 2025 has found that there are 25 GEN site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MADONNA NURSING HOME 26-668	1533 ST. JOSEPH BLVD. BOX 560 ORLEANS ON K1C 7L3	0.0	1
Aspira Lincoln Park Retirement Living	1533 Saint Joseph Boulevard Ottawa ON	0.0	4

Site	Address	Distance (m)	Map Key
White Sands Golf and Practice Centre	1705 St Joseph Blvd Orleans ON K1C 7L1	127.1	<u>21</u>
GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON K1A 0R2	287.5	<u>30</u>
GVT. OF CAN. - R.C.M.P.	1426 ST. JOSEPH BOULEVARD GLOUCESTER ON K1A 0R2	287.5	<u>30</u>
GOV'T. OF CANADA - R.C.M.P.	1426 ST. JOSEPH BOULEVARD CUMBERLAND TWP. ON K1A 0R2	287.5	<u>30</u>
GVT. OF CAN. - R.C.M.P.	1426 ST. JOSEPH BOULEVARD CUMBERLAND TWP. ON K1A 0R2	287.5	<u>30</u>
GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON	287.5	<u>30</u>
GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON	287.5	<u>30</u>
GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON	287.5	<u>30</u>
GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON K1A 0R2	287.5	<u>30</u>
GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 405 OTTAWA ON K1C 7K9	287.5	<u>30</u>
GVT. OF CAN. - R.C.M.P.- GRC	1426 ST. JOSEPH BOULEVARD BUILDING 405 OTTAWA ON K1C 7K9	287.5	<u>30</u>
Ottawa Police Service, City of Ottawa	1426 St Joseph Blvd Ottawa ON K1C 7K9	287.5	<u>30</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Royal Canadian Mounted Police Technical Analysis Section	1426 St. Joseph Blvd Ottawa ON K1C 7K9	287.5	<u>30</u>
RCMP Ottawa Armoury	1426 Saint Joseph Boulevard Ottawa ON	287.5	<u>30</u>
RCMP	1426 Saint Joseph Boulevard Ottawa ON	287.5	<u>30</u>
RCMP Ottawa Post	1426 Saint Joseph Boulevard Ottawa ON	287.5	<u>30</u>
RCMP - TPOF CNC Machine Shop	1426 Saint Joseph Boulevard Ottawa ON	287.5	<u>30</u>
PUBLIC WORKS CANADA (OUT OF BUSINESS)	LAND ENGINEERING TEST ESTABLISHMENT 1426 ST. JOSEPH BOULEVARD GLOUCESTER ON K1A 0R2	287.5	<u>30</u>
ROYAL CANADIAN MOUNTED POLICE	1426 ST. JOSEPH BOULEVARD GLOUCESTER ON K1A 0R2	287.5	<u>30</u>
ROYAL CANADIAN MOUNTED POLICE	1426 ST. JOSEPH BLVD. GLOUCESTER ON K1A 0R2	287.5	<u>30</u>
GVT OF CAN-PUBLIC WORKS BUILD SERV	LAND ENGINEERING TEST ESTABLISHMENT 1426 ST. JOSEPH BLVD. GLOUCESTER ON K1A 0R2	287.5	<u>30</u>
GVT(OUT OF BUS) 16-277	LAND ENGINEERING TEST ESTABLISHMENT 1426 ST. JOSEPH BLVD. GLOUCESTER ON K1A 0R2	287.5	<u>30</u>
GVT OF CAN-PUBLIC WORKS BUILD SERV16-277	LAND ENGINEERING TEST ESTABLISHMENT 1426 ST. JOSEPH BLVD. GLOUCESTER ON K1A 0R2	287.5	<u>30</u>

MNR - Mineral Occurrences

A search of the MNR database, dated 1846-Feb 2025 has found that there are 1 MNR site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Grant Brothers	ON	111.2	<u>18</u>

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 2 PINC site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
ENBRIDGE GAS INC	1426 ST. JOSEPH'S BLVD.,ORLEANS,ON, K1C 7K9,CA ON	287.5	<u>30</u>
RCMP TPOF - SNC LAVALIN	1426 ST JOSEPH BLVD.,ORLÉANS,ON,K1A 0R2,CA ON	287.5	<u>30</u>

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994 - Nov 30, 2025 has found that there are 4 PTTW site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1292485 Ontario Inc.,(Orleans Golf Academy)	1705 St. Joseph Blvd., Orleans Ottawa ON	127.1	<u>21</u>
1292485 Ontario Inc.	White Sands Golf Course and Practice Centre 1705 St. Joseph Boulevard, Lots 8, 9 and 10, Concession 1, On Ottawa River, City of Ottawa CITY OF OTTAWA ON	127.1	<u>21</u>
1292485 Ontario Inc.	ON	127.1	<u>21</u>
1292485 Ontario Inc.	1705 St. Joseph Boulevard Ottawa, ON Canada ON	127.1	<u>21</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
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SPL - Ontario Spills

A search of the SPL database, dated 1988-Oct 2025 has found that there are 2 SPL site(s) within approximately 0.30 kilometers of the project property.

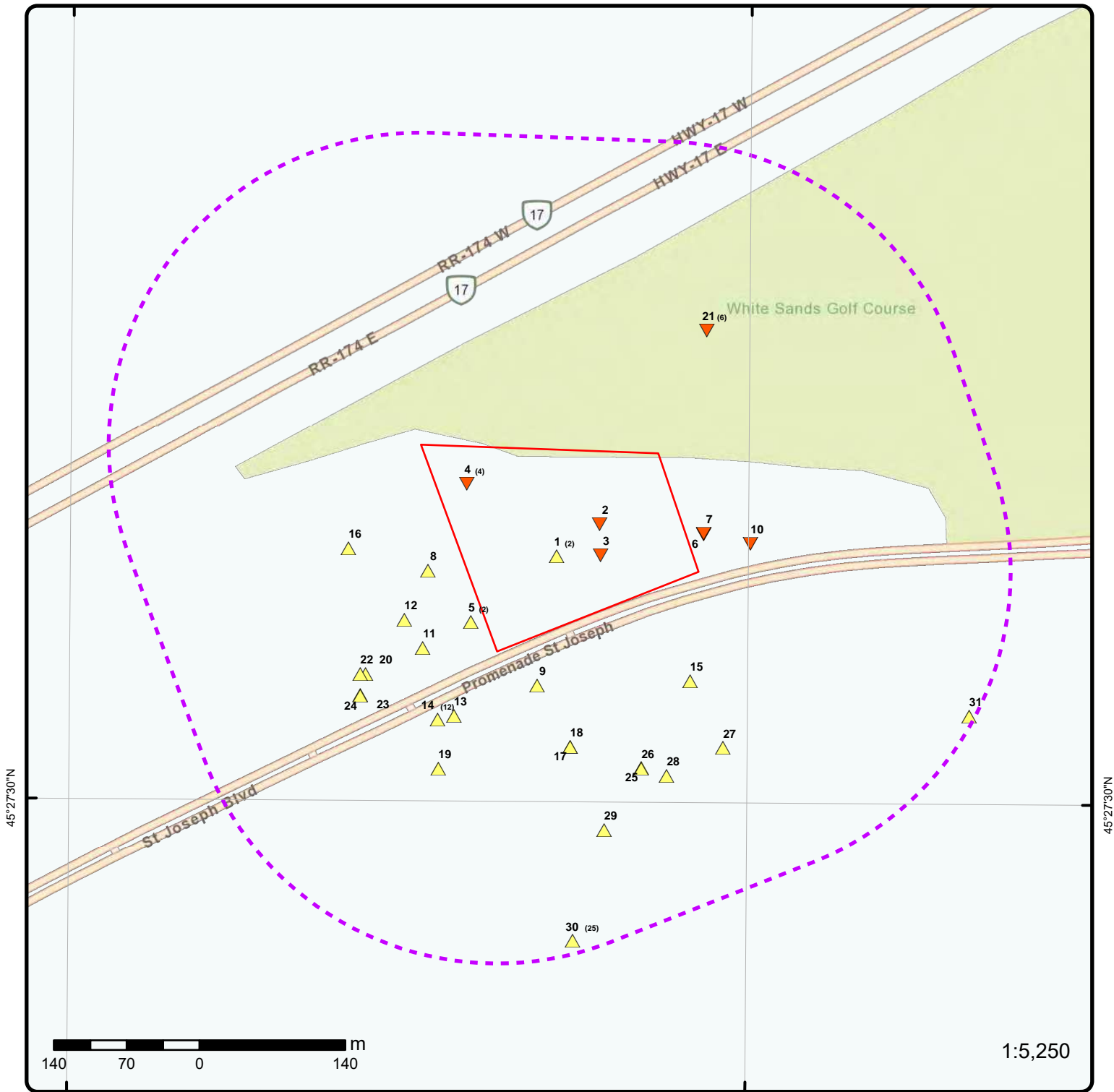
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MADONNA NURSING	MADONNA NURSING, 1533 ST. JOSEPH ST., GLOUCESTER STORAGE TANK OTTAWA CITY ON K1C 7L3	0.0	1
	1426 St. Joseph Blvd. Ottawa ON	287.5	30

WWIS - Water Well Information System

A search of the WWIS database, dated Jul 31, 2025 has found that there are 13 WWIS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1513 ST. JOSEPH OTTAWA ON <i>Well ID:</i> 1536768	13.9	5
	1513 ST. JOSEPH BLVD lot 23 con 11 OTTAWA ON <i>Well ID:</i> 1536368	13.9	5
	lot 10 con 1 ON <i>Well ID:</i> 1500718	16.6	7
	lot 9 con 1 ON <i>Well ID:</i> 1500716	56.0	10
	lot 10 con 1 ON <i>Well ID:</i> 1500723	66.0	11
	1501 ST. JOSEPH BLVD OTTAWA ON	73.2	12

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 1536574		
	lot 10 con 1 ON	74.4	<u>13</u>
	<i>Well ID:</i> 1500719		
	lot 10 con 1 ON	126.2	<u>20</u>
	<i>Well ID:</i> 1500721		
	lot 10 con 1 ON	130.9	<u>22</u>
	<i>Well ID:</i> 1500720		
	lot 10 con 1 ON	137.8	<u>23</u>
	<i>Well ID:</i> 1500722		
	lot 10 con 1 ON	154.9	<u>25</u>
	<i>Well ID:</i> 1500717		
	1510 ST. JOSEPH BLVD ORLEANS ON	171.2	<u>28</u>
	<i>Well ID:</i> 1536773		
	lot 10 con 1 ON	197.6	<u>29</u>
	<i>Well ID:</i> 7271616		



Map: 0.3 Kilometer Radius

Order Number: 26010800374

Address: 1533-1541 St Joseph Boulevard, Ottawa, ON



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

75°34'W

75°33'30"W

75°33'W

45°28'N

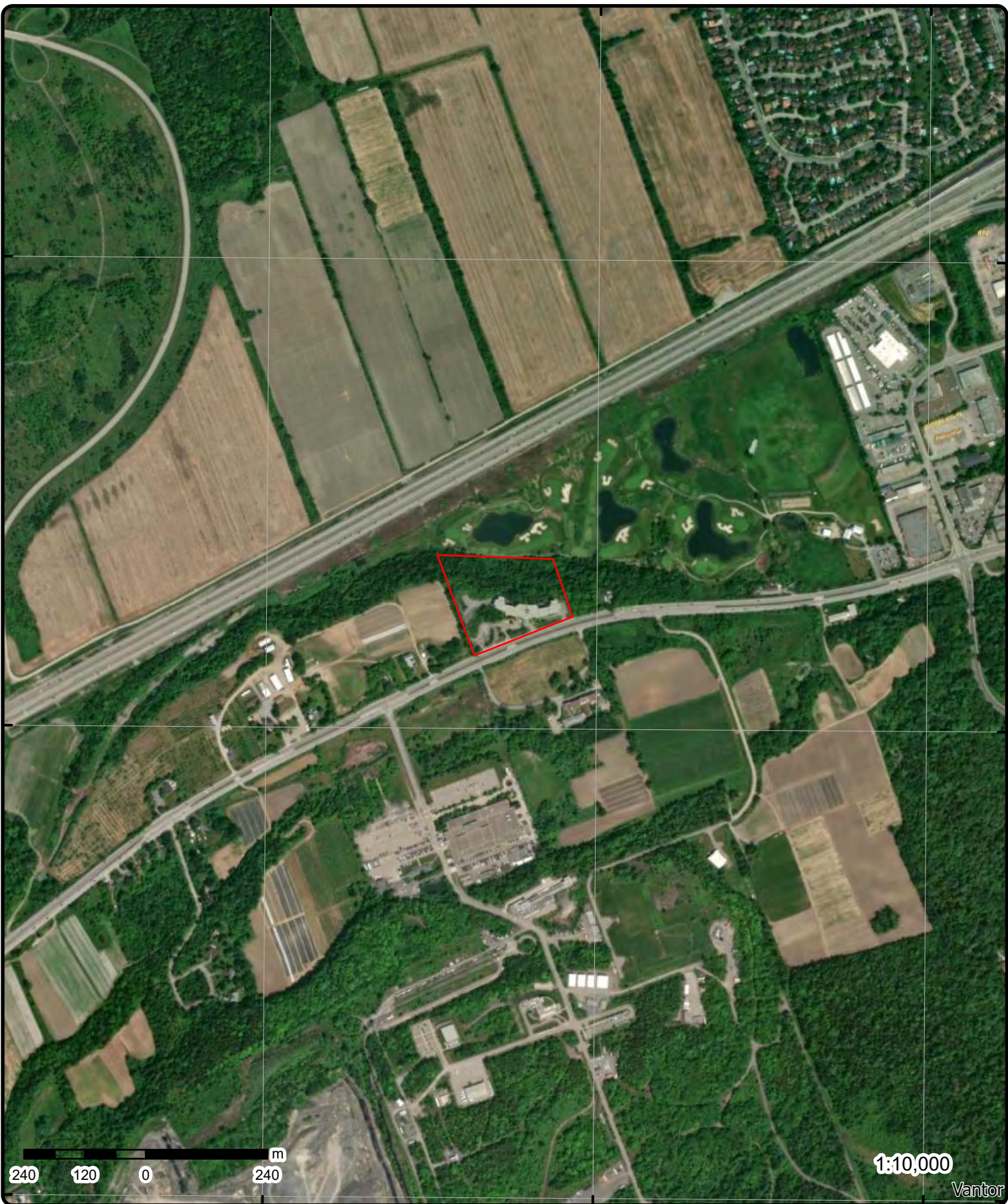
45°28'N

45°27'30"N

45°27'30"N

45°27'N

45°27'N



1:10,000

Vantor

Aerial Year: 2025

Order Number: 26010800374

Address: 1533-1541 St Joseph Boulevard, Ottawa, ON



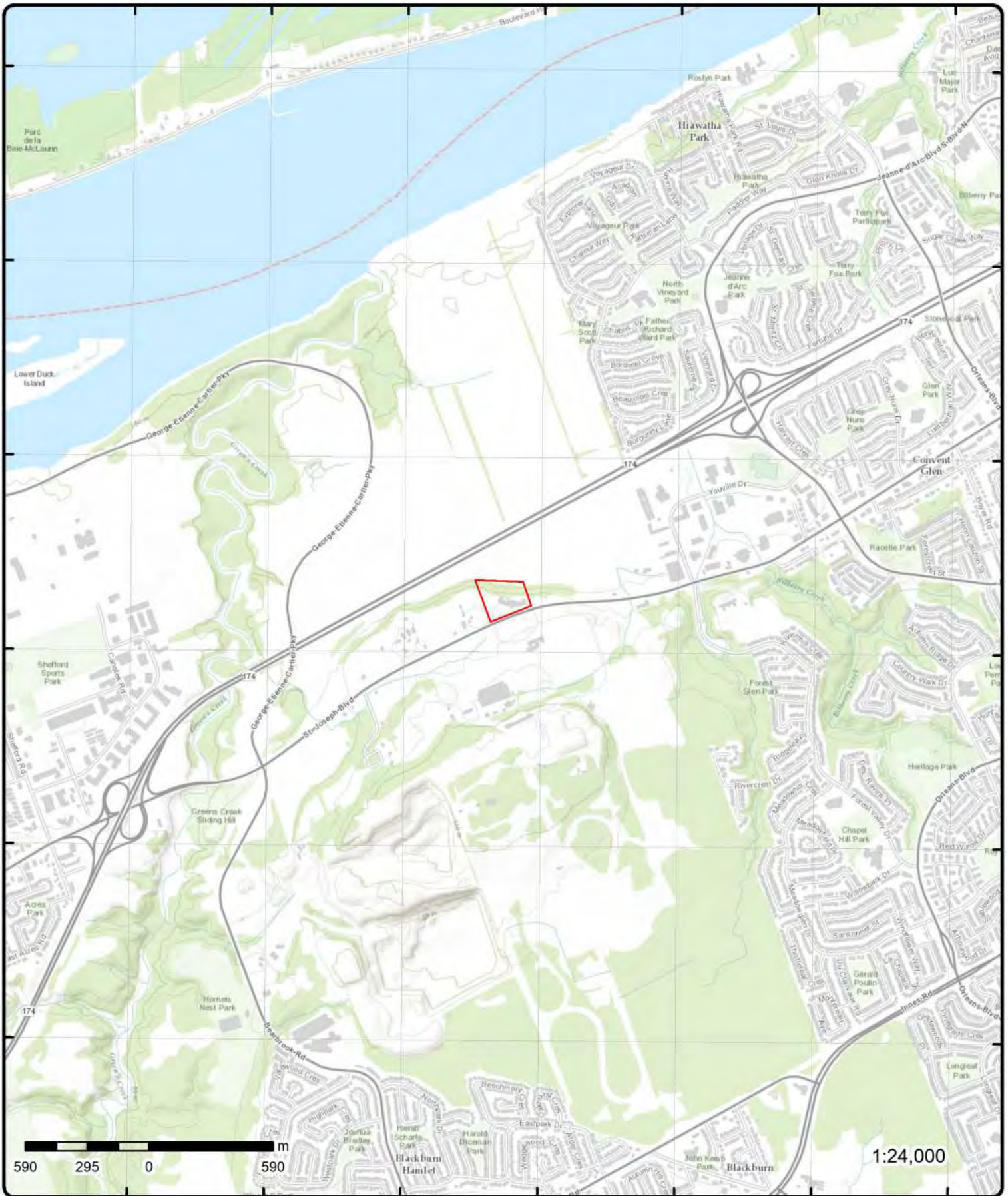
Source: ESRI World Imagery

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75°35'W 75°34'30"W 75°34'W 75°33'30"W 75°33'W 75°32'30"W 75°32'W

45°29'N
45°28'30"N
45°28'N
45°27'30"N
45°27'N
45°26'30"N

45°29'N
45°28'30"N
45°28'N
45°27'30"N
45°27'N
45°26'30"N



Topographic Map

Address: 1533-1541 St Joseph Boulevard, ON

Source: ESRI World Topographic Map

Order Number: 26010800374



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 2	S/0.0	72.4 / 2.86	MADONNA NURSING HOME 26-668 1533 ST. JOSEPH BLVD. BOX 560 ORLEANS ON K1C 7L3	GEN

Generator Info

<p>Generator No: ON1480500 Approval Years: 92,93,94 Status: PO Box No: Country: Co Admin: Phone No Admin: SIC Description: EXEMPT</p>	<p>Choice of Contact: Contaminated Fac: MHSW Facility: SIC Code: 0008</p>
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<u>1</u>	2 of 2	S/0.0	72.4 / 2.86	MADONNA NURSING MADONNA NURSING, 1533 ST. JOSEPH ST., GLOUCESTER STORAGE TANK OTTAWA CITY ON K1C 7L3	SPL
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<p>Ref No: 37661 Year: Incident Dt: // Dt MOE Arvl on Scn: MOE Reported Dt: 7/3/1990 Dt Document Closed: Site No: MOE Response: Site County/District: Site Geo Ref Meth: Site District Office: Nearest Watercourse: Site Name: Site Address: Site Region: Site Municipality: OTTAWA CITY Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Entity Operating Name: Client Name: Client Type: Source Type: Incident Cause: UNDERGROUND TANK LEAK Incident Preceding Spill: Incident Reason: CORROSION Incident Summary: MADONNA NURSING-UNDER- GROUND FURNACE OIL TANK LEAKING Environment Impact: CONFIRMED Health Env Consequence: Nature of Impact: Soil contamination</p>	<p>Municipality No: 20101 Nature of Damage: Discharger Report: Material Group: Impact to Health: Agency Involved:</p>
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Qty: Contaminant Qty 1: Contaminant Unit: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: LAND Activity Preceding Spill: Property 2nd Watershed: Property Tertiary Watershed: Sector Type: SAC Action Class: Call Report Locatn Geodata: Time Reported: System Facility Address: Source Sector Type: Conservtn Auth Name: Primary Watershed: Quaternary Watershed: Offsite Impacts Y N: Waterbody Impacted Y N:					
<u>2</u>	1 of 1	E/0.0	63.4 / -6.13	Amico Properties Inc. 1541 St. Joseph Blvd Ottawa ON N0R 1L0	ECA
Approval No: 5054-9QAKMZ Approval Date: 2014-12-18 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: Amico Properties Inc. Address: 1541 St. Joseph Blvd Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6340-9JUPJZ-14.pdf PDF Site Location:					
<u>3</u>	1 of 1	ESE/0.0	67.8 / -1.75	1541 St Joseph Blvd Ottawa ON K1C 7L3	EHS
Order No: 24082701164 Status: C Report Type: Standard Report Report Date: 30-AUG-24 Date Received: 27-AUG-24 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.5601492 Y: 45.4604685					
<u>4</u>	1 of 4	WNW/0.0	66.6 / -2.95	2052740 Ontario Inc. 1533 St. Joseph Blvd Ottawa ON K1C 7L3	CA
Certificate #: 8393-7AGSAL Application Year: 2008					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Issue Date:		1/10/2008			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

<u>4</u>	2 of 4	WNW/0.0	66.6 / -2.95	Amico Properties Inc. 1533 St. Joseph Blvd Ottawa ON N0R 1L0	ECA
Approval No:		9735-9QAK3Q		MOE District:	
Approval Date:		2014-12-18		City:	
Status:		Approved		Longitude:	
Record Type:		ECA		Latitude:	
Link Source:		IDS		Geometry X:	
SWP Area Name:		Geometry Y:			
Approval Type:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
Project Type:		MUNICIPAL AND PRIVATE SEWAGE WORKS			
Business Name:		Amico Properties Inc.			
Address:		1533 St. Joseph Blvd			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/1400-9JVLC8-14.pdf			
PDF Site Location:					

<u>4</u>	3 of 4	WNW/0.0	66.6 / -2.95	2052740 Ontario Inc. 1533 St. Joseph Blvd Ottawa ON L5R 4H1	ECA
Approval No:		8393-7AGSAL		MOE District:	
Approval Date:		2008-01-10		City:	
Status:		Approved		Longitude:	
Record Type:		ECA		Latitude:	
Link Source:		IDS		Geometry X:	
SWP Area Name:		Geometry Y:			
Approval Type:		ECA-AIR			
Project Type:		AIR			
Business Name:		2052740 Ontario Inc.			
Address:		1533 St. Joseph Blvd			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/9492-73JJRG-14.pdf			
PDF Site Location:					

<u>4</u>	4 of 4	WNW/0.0	66.6 / -2.95	Aspira Lincoln Park Retirement Living 1533 Saint Joseph Boulevard Ottawa ON	GEN
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Generator Info (as of Dec 2024)

Generator No: ON001071059
Generator Company Name: Aspira Lincoln Park Retirement Living
Street: 1533 Saint Joseph Boulevard
City: Ottawa

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Province State:		Ontario			
Country:		Canada			
Postal Code:		K1C 7L3			
Waste Class:		146 L			
Waste Class Decoded:					
146 - OTHER SPECIFIED INORGANICS					
Generator Info (as of Apr 2025)					
Generator Company Name:		Aspira Lincoln Park Retirement Living			
Generator Site Address:		1533 Saint Joseph Boulevard			
City:		Ottawa			
Province State:		Ontario			
Country:		Canada			
Postal Code:		K1C 7L3			
Waste Class:		146 L			
Waste Class Decoded:					
146 - OTHER SPECIFIED INORGANICS					
Waste Characteristic Decoded:					
L - Liquid Industrial Waste					

5	1 of 2	SW/13.9	80.1 / 10.54	1513 ST.JOSEPH BLVD lot 23 con 11 OTTAWA ON	WWIS
Well ID:		1536368		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Domestic		Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:		Abandoned-Other		Date Received: 05/31/2006	
Water Type:				Selected Flag: TRUE	
Casing Material:				Abandonment Rec: Yes	
Audit No:		Z28058		Contractor: 7260	
Tag:				Form Version: 3	
Constructn Method:				Owner:	
Elevation (m):				County: OTTAWA-CARLETON	
Elevatn Reliabilty:				Lot: 023	
Depth to Bedrock:				Concession: 11	
Well Depth:				Concession Name: OF	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		GLOUCESTER TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536368.pdf			
Additional Detail(s) (Map)					
Well Completed Date:		08/11/2005			
Year Completed:		2005			
Depth (m):					
Latitude:		45.4598821834739			
Longitude:		-75.5617387862775			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Point X:		-75.56173862386677			
Point Y:		45.459882176242935			
Path:		153\1536368.pdf			

Bore Hole Information

Bore Hole ID:	11550434	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	456082.00
Code OB Desc:		North83:	5034193.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	08/11/2005	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	933051251
Layer:	1
Color:	
General Color:	
Material 1:	23
Material 1 Desc:	PREVIOUSLY DUG
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	
Formation End Depth UOM:	m

Annular Space/Abandonment

Sealing Record

Plug ID:	933290991
Layer:	1
Plug From:	0.0
Plug To:	4.260000228881836
Plug Depth UOM:	m

Method of Construction & Well

Use

Method Construction ID:	961536368
Method Construction Code:	A
Method Construction:	Digging
Other Method Construction:	

Pipe Information

Pipe ID:	11560041
Casing No:	1
Comment:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Alt Name:</i>					
<u>Hole Diameter</u>					
<i>Hole ID:</i>		11681138			
<i>Diameter:</i>		81.27999877929688			
<i>Depth From:</i>		0.0			
<i>Depth To:</i>		4.260000228881836			
<i>Hole Depth UOM:</i>		m			
<i>Hole Diameter UOM:</i>		cm			

<u>5</u>	2 of 2	SW/13.9	80.1 / 10.54	1513 ST. JOSEPH OTTAWA ON	WWIS
<i>Well ID:</i>	1536768			<i>Flowing (Y/N):</i>	
<i>Construction Date:</i>				<i>Flow Rate:</i>	
<i>Use 1st:</i>	Not Used			<i>Data Entry Status:</i>	
<i>Use 2nd:</i>				<i>Data Src:</i>	
<i>Final Well Status:</i>	Abandoned-Other			<i>Date Received:</i>	10/27/2006
<i>Water Type:</i>				<i>Selected Flag:</i>	TRUE
<i>Casing Material:</i>				<i>Abandonment Rec:</i>	Yes
<i>Audit No:</i>	Z52511			<i>Contractor:</i>	7260
<i>Tag:</i>				<i>Form Version:</i>	3
<i>Constructn Method:</i>				<i>Owner:</i>	
<i>Elevation (m):</i>				<i>County:</i>	OTTAWA-CARLETON
<i>Elevatn Reliability:</i>				<i>Lot:</i>	
<i>Depth to Bedrock:</i>				<i>Concession:</i>	
<i>Well Depth:</i>				<i>Concession Name:</i>	
<i>Overburden/Bedrock:</i>				<i>Easting NAD83:</i>	
<i>Pump Rate:</i>				<i>Northing NAD83:</i>	
<i>Static Water Level:</i>				<i>Zone:</i>	
<i>Clear/Cloudy:</i>				<i>UTM Reliability:</i>	
<i>Municipality:</i>	GLOUCESTER TOWNSHIP				
<i>Site Info:</i>					

Additional Detail(s) (Map)

<i>Bore Hole ID:</i>	11691862			<i>Tag No:</i>	
<i>Depth (m):</i>				<i>Contractor:</i>	7260
<i>Year Completed:</i>	2006			<i>Latitude:</i>	45.4598821834739
<i>Well Completed Dt:</i>	05/09/2006			<i>Longitude:</i>	-75.5617387862775
<i>Audit No:</i>	Z52511			<i>Point Y:</i>	45.459882176242935
<i>Path:</i>				<i>Point X:</i>	-75.56173862386677

Bore Hole Information

<i>Bore Hole ID:</i>	11691862			<i>Elevation:</i>	
<i>DP2BR:</i>				<i>Elevrc:</i>	
<i>Spatial Status:</i>				<i>Zone:</i>	18
<i>Code OB:</i>				<i>East83:</i>	456082.00
<i>Code OB Desc:</i>				<i>North83:</i>	5034193.00
<i>Open Hole:</i>				<i>Org CS:</i>	UTM83
<i>Cluster Kind:</i>				<i>UTMRC:</i>	3
<i>Date Completed:</i>	05/09/2006			<i>UTMRC Desc:</i>	margin of error : 10 - 30 m
<i>Remarks:</i>				<i>Location Method:</i>	wwr
<i>Location Method Desc:</i>	on Water Well Record				
<i>Elevrc Desc:</i>					
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933286541			
Layer:		1			
Plug From:		0.0			
Plug To:		3.3499999046325684			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933286542			
Layer:		2			
Plug From:		3.3499999046325684			
Plug To:		4.260000228881836			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961536768			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11696728			
Casing No:		1			
Comment:					
Alt Name:					
<u>Hole Diameter</u>					
Hole ID:		11755430			
Diameter:		81.27999877929688			
Depth From:		0.0			
Depth To:		4.260000228881836			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

6 1 of 1 **E/16.4** **65.3 / -4.28** **ON** **BORE**

Borehole ID:	615346	Inclin FLG:	No
OGF ID:	215516288	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	OCT-1955	Municipality:	
Static Water Level:	29.3	Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.460655
Total Depth m:	33.5	Longitude DD:	-75.558885
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	456306
Drill Method:		Northing:	5034277
Orig Ground Elev m:	68.6	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
DEM Ground Elev m: 73.9					
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218401238			Mat Consistency:	
Top Depth:	.9			Material Moisture:	
Bottom Depth:	3.7			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND. GREY.				
Geology Stratum ID:	218401237			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.9			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Soil			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SOIL.				
Geology Stratum ID:	218401240			Mat Consistency:	Soft
Top Depth:	4.3			Material Moisture:	
Bottom Depth:	33.5			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LIMESTONE. 00110R STABLE AT 129.0 FEET.TILL. BEDROCK. GREY,SOFT. CLAY. SOFT. 00000 **Note:				
	Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218401239			Mat Consistency:	
Top Depth:	3.7			Material Moisture:	
Bottom Depth:	4.3			Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND. BLACK.				
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 07854 NTS_Sheet:				
Confiden 1:					

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

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada
Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

<u>7</u>	1 of 1	E/16.6	65.3 / -4.28	lot 10 con 1 ON	WWIS
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Well ID: 1500718
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 Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 12/06/1955
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1107
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 010
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500718.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/24/1955
Year Completed: 1955
Depth (m): 33.528
Latitude: 45.4606612837147
Longitude: -75.5588852189597
Point X: -75.55888505707777
Point Y: 45.46066127683436
Path: 150\1500718.pdf

Bore Hole Information

Bore Hole ID: 10022761
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/24/1955
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:

Elevation:
Elevrc:
Zone: 18
East83: 456305.70
North83: 5034278.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

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:			930990035		
Layer:			3		
Color:			8		
General Color:			BLACK		
Material 1:			08		
Material 1 Desc:			FINE SAND		
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:			12.0		
Formation End Depth:			14.0		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			930990034		
Layer:			2		
Color:			2		
General Color:			GREY		
Material 1:			09		
Material 1 Desc:			MEDIUM SAND		
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:			3.0		
Formation End Depth:			12.0		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			930990033		
Layer:			1		
Color:					
General Color:					
Material 1:			02		
Material 1 Desc:			TOPSOIL		
Material 2:			09		
Material 2 Desc:			MEDIUM SAND		
Material 3:					
Material 3 Desc:					
Formation Top Depth:			0.0		
Formation End Depth:			3.0		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			930990036		
Layer:			4		
Color:					
General Color:					
Material 1:			15		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		14.0			
Formation End Depth:		110.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961500718			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10571331			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930038419			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		110.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930038418			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		14.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991500718			
Pump Set At:					
Static Level:		21.0			
Final Level After Pumping:		35.0			
Recommended Pump Depth:					
Pumping Rate:		8.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
Water Details					
Water ID:		933453257			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		110.0			
Water Found Depth UOM:		ft			

8 1 of 1 WSW/35.5 79.6 / 10.00 ON BORE

Borehole ID:	615345	Inclin FLG:	No
OGF ID:	215516287	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:		Municipality:	
Static Water Level:	6.1	Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.460323
Total Depth m:	-999	Longitude DD:	-75.562271
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	456041
Drill Method:		Northing:	5034242
Orig Ground Elev m:	76.2	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	79.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218401235	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	22.9	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Till	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	TILL.		

Geology Stratum ID:	218401236	Mat Consistency:	
Top Depth:	22.9	Material Moisture:	
Bottom Depth:		Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Bedrock	Geologic Formation:	
Material 2:	Limestone	Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:			

BEDROCK. WATER STABLE AT 230.0 FEET.GREY, WATER STABLE AT 129.0 FEET.TILL. BEDROCK. GREY,
 **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: M
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 078530 NTS_Sheet: 31G05H
Confiden 1: Reliable information but incomplete.

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

9 1 of 1 S/44.5 77.5 / 7.96 ON BORE

Borehole ID: 615338
OGF ID: 215516280
Status:
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: MAR-1972
Static Water Level:
Primary Water Use: Not Used
Sec. Water Use:
Total Depth m: 2.4
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Power auger
Orig Ground Elev m: 70.5
Elev Reliabil Note:
DEM Ground Elev m: 78.3
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.459339
Longitude DD: -75.560919
UTM Zone: 18
Easting: 456146
Northing: 5034132
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218401215
Top Depth: .3
Bottom Depth: 2.4
Material Color: Brown
Material 1: Clay
Material 2: Silt
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY. BROWN,VERY STIFF TO STIFF, WEATHERED. 00010 030 00120 030 T.N,GREY,SOFT.

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

Geology Stratum ID: 218401214
Top Depth: 0
Bottom Depth: .3
Material Color:

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	Unknown Soil			Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
		UNSPECIFIED.			
Source					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972 H			Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
		Urban Geology Automated Information System (UGAIS) File: OTTAWA2.txt RecordID: 078460 NTS_Sheet: 31G05H Logged by professional. Exact and complete Site description of material and properties.			
Source List					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
		Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			

<u>10</u>	1 of 1	E/56.0	67.3 / -2.24	lot 9 con 1 ON	WWIS
Well ID: Construction Date: Use 1st: Use 2nd: Final Well Status: Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:	1500716 Domestic 0 Water Supply			Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 07/16/1952 TRUE 3725 1 OTTAWA-CARLETON 009 01 OF
		GLOUCESTER TOWNSHIP			
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500716.pdf				

Additional Detail(s) (Map)

Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: Point X: Point Y:	04/09/1952 1952 54.864 45.4605740907086 -75.5583087719405 -75.55830860925703 45.46057408415857
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:		150\1500716.pdf			

Bore Hole Information

Bore Hole ID:	10022759	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	456350.70
Code OB Desc:		North83:	5034268.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	04/09/1952	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	930990029
Layer:	2
Color:	
General Color:	
Material 1:	19
Material 1 Desc:	SLATE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	180.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	930990028
Layer:	1
Color:	8
General Color:	BLACK
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID:	961500716
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

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

Pipe ID: 10571329
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930038414
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930038415
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 180.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991500716
Pump Set At:
Static Level: 45.0
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 3.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933453254
Layer: 1
Kind Code: 3
Kind: SULPHUR
Water Found Depth: 130.0
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Details					
Water ID:		933453255			
Layer:		2			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		160.0			
Water Found Depth UOM:		ft			

<u>11</u>	1 of 1	WSW/66.0	83.0 / 13.49	lot 10 con 1 ON	WWIS
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Well ID:	1500723	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:	02/24/1961
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:		Contractor:	1802
Tag:		Form Version:	1
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	010
Depth to Bedrock:		Concession:	01
Well Depth:		Concession Name:	OF
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500723.pdf

Additional Detail(s) (Map)

Well Completed Date:	02/04/1961
Year Completed:	1961
Depth (m):	70.104
Latitude:	45.4596542505566
Longitude:	-75.56232872681
Point X:	-75.56232856440528
Point Y:	45.459654244170345
Path:	150\1500723.pdf

Bore Hole Information

Bore Hole ID:	10022766	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	456035.70
Code OB Desc:		North83:	5034168.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	02/04/1961	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

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

**Overburden and Bedrock
Materials Interval**

Formation ID: 930990046
 Layer: 1
 Color: 3
 General Color: BLUE
 Material 1: 05
 Material 1 Desc: CLAY
 Material 2:
 Material 2 Desc:
 Material 3:
 Material 3 Desc:
 Formation Top Depth: 0.0
 Formation End Depth: 12.0
 Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 930990047
 Layer: 2
 Color: 2
 General Color: GREY
 Material 1: 15
 Material 1 Desc: LIMESTONE
 Material 2:
 Material 2 Desc:
 Material 3:
 Material 3 Desc:
 Formation Top Depth: 12.0
 Formation End Depth: 230.0
 Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961500723
 Method Construction Code: 7
 Method Construction: Diamond
 Other Method Construction:

Pipe Information

Pipe ID: 10571336
 Casing No: 1
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 930038429
 Layer: 2
 Material: 4
 Open Hole or Material: OPEN HOLE
 Depth From:
 Depth To: 230.0
 Casing Diameter: 6.0
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Construction Record - Casing

Casing ID: 930038428
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 171.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991500723
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 90.0
Recommended Pump Depth: 90.0
Pumping Rate: 17.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933453262
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 215.0
Water Found Depth UOM: ft

[12](#) 1 of 1 **WSW/73.2** **83.0 / 13.47** **1501 ST.JOSEPH BLVD
OTTAWA ON** **WWIS**

Well ID: 1536574 Construction Date: Use 1st: Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z50477 Tag: A033413 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level:	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 08/16/2006 Selected Flag: TRUE Abandonment Rec: Contractor: 1844 Form Version: 3 Owner: County: OTTAWA-CARLETON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Clear/Cloudy:				UTM Reliability:	
Municipality:		GLOUCESTER TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536574.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		07/07/2006			
Year Completed:		2006			
Depth (m):		3.7			
Latitude:		45.4598961564925			
Longitude:		-75.5625575257864			
Point X:		-75.5625573634151			
Point Y:		45.45989614905755			
Path:		153\1536574.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	11550640			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	456018.00
Code OB Desc:				North83:	5034195.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	3
Date Completed:	07/07/2006			UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	933066443				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	02				
Material 1 Desc:	TOPSOIL				
Material 2:	78				
Material 2 Desc:	MEDIUM-GRAINED				
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	0.05000000074505806				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	933066444				
Layer:	2				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.05000000074505806			
Formation End Depth:		0.6000000238418579			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933066445			
Layer:		3			
Color:		6			
General Color:		BROWN			
Material 1:		34			
Material 1 Desc:		TILL			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.6000000238418579			
Formation End Depth:		3.700000047683716			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933300523			
Layer:		1			
Plug From:		0.20000000298023224			
Plug To:		0.699999988079071			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961536574			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11560247			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930884858			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		0.699999988079071			
Casing Diameter:		5.099999904632568			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Screen</u>					
Screen ID:		933420079			
Layer:		1			
Slot:		10			
Screen Top Depth:		0.699999988079071			
Screen End Depth:		3.700000047683716			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.800000190734863			
<u>Hole Diameter</u>					
Hole ID:		11681356			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		3.700000047683716			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

13	1 of 1	SW/74.4	79.3 / 9.78	lot 10 con 1 ON	WWIS
Well ID:	1500719			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Public			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	09/19/1956
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	3566
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	010
Depth to Bedrock:				Concession:	01
Well Depth:				Concession Name:	OF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	GLOUCESTER TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500719.pdf				

Additional Detail(s) (Map)

Well Completed Date:	08/28/1956
Year Completed:	1956
Depth (m):	60.96
Latitude:	45.4590710890619
Longitude:	-75.5619392164179
Point X:	-75.56193905328014
Point Y:	45.459071081800104
Path:	150\1500719.pdf

Bore Hole Information

Bore Hole ID:	10022762	Elevation:	
DP2BR:		Elevrc:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	18
Code OB:				East83:	456065.70
Code OB Desc:				North83:	5034103.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	08/28/1956			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Location Method Desc:		Original Pre1985 UTM Rel Code 9: unknown UTM			
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:		930990038			
Layer:		2			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		12.0			
Formation End Depth:		200.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930990037			
Layer:		1			
Color:					
General Color:					
Material 1:		13			
Material 1 Desc:		BOULDERS			
Material 2:		01			
Material 2 Desc:		FILL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		12.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961500719			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10571332			
Casing No:		1			
Comment:					

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

Construction Record - Casing

Casing ID: 930038420
 Layer: 1
 Material: 1
 Open Hole or Material: STEEL
 Depth From:
 Depth To: 20.0
 Casing Diameter: 6.0
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930038421
 Layer: 2
 Material: 4
 Open Hole or Material: OPEN HOLE
 Depth From:
 Depth To: 200.0
 Casing Diameter: 6.0
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
 Pump Test ID: 991500719
 Pump Set At:
 Static Level: 12.0
 Final Level After Pumping: 70.0
 Recommended Pump Depth:
 Pumping Rate: 3.0
 Flowing Rate:
 Recommended Pump Rate:
 Levels UOM: ft
 Rate UOM: GPM
 Water State After Test Code: 1
 Water State After Test: CLEAR
 Pumping Test Method: 1
 Pumping Duration HR: 48
 Pumping Duration MIN: 0
 Flowing: No

Water Details

Water ID: 933453258
 Layer: 1
 Kind Code: 1
 Kind: FRESH
 Water Found Depth: 200.0
 Water Found Depth UOM: ft

14 1 of 12 **SW/87.0** **79.5 / 9.93** **RCMP - CTR**
 1426 St. Joseph Boulevard
 Ottawa-Orleans ON **FRST**

Tank System ID: 43748 Tank Sys Prov F: Ontario
 EC No: 28089 Tank Sys PO BOX:
 Internal No: Tank Sys Postal Cd:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Is Perm Withdrtl:	TRUE			Sys Record City:	
Removed Date:	Mar 1 2017 12: 00AM			Sys Record Prov E:	
Withdrawn Date:	Mar 1 2017 12: 00AM			Sys Record Prov F:	
Temp Withdrawn Dt:				Sys Record PO BOX:	
Tank Use E:	Dispensing			Sys Rec Postal Cd:	
Tank Use F:	Distribution			System Rec Same as:	TRUE
Year of Manufact:	01-Jan-2013 00:00:00			Location Latitude:	
Emerg Plan Same as:	TRUE			Location Longitude:	
Operator Contact:				Creation Date:	25-Apr-2013 00:00:00
Owner Contact:				Creation By:	Meaghan Ferguson
Tank System City:	Ottawa-Orleans			Modified Date:	11-May-2017 00:00:00
Tank Sys Prov E:	Ontario			Modified By:	
Tank Use:	Supply water booster pumps				
Tank Manufacturer:	GIL-FAB TANKS INTL INC; Mascouche, QC				
Tank System Address:	1426 St. Joseph Boulevard				
Sys Record Address:					
System Descr:	ON-Ottawa; TPOF-22 (pit); Two aboveground tanks and piping installed in 2013; diesel; supply energy to water booster pumps; 1593 L total capacity; AST #1 1366 L capacity; AST #2 contained in a vault (pit) 227 L capacity. FS C-2006-00752663 and FS C-1007-0730314				
Certification System Installer:					
Certification System Remover:					
Group Name:	RCMP - CTR				
Master Group Name:	Royal Canadian Mounted Police				
Owner Email:					
Operator Email:					
Land Owner E:	Federal entity under Financial Administration Act				
Land Owner F:	Entité fédérale sous la loi sur la gestion des finances publiques				
<u>Service Months</u>					
Service Months E:	January				
Service Months F:	Janvier				
Service Months E:	March				
Service Months F:	Mars				
Service Months E:	February				
Service Months F:	Février				
Service Months E:	September				
Service Months F:	Septembre				
Service Months E:	May				
Service Months F:	Mai				
Service Months E:	July				
Service Months F:	Juillet				
Service Months E:	April				
Service Months F:	Avril				
Service Months E:	June				
Service Months F:	Juin				
Service Months E:	August				
Service Months F:	Août				
Service Months E:	November				
Service Months F:	Novembre				
Service Months E:	October				
Service Months F:	Octobre				
Service Months E:	December				
Service Months F:	Décembre				

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

Tank ID:	74383	Dt Withdrwn Piping:	01-Mar-2017 00:00:00
Tank Capacity:	1366	Date Remvd Piping:	01-Mar-2017 00:00:00
Tank Type E:	Aboveground	Tk Type of Pump E:	No oil-water separator
Tank Type F:	Hors sol	Tk Type of Pump F:	Aucun Séparateur huile-eau
Date of Install:	2013	Piping Type E:	Aboveground
Date Withdrawn Tk:	01-Mar-2017 00:00:00	Piping Type F:	Hors sol
Date Removed Tank:	01-Mar-2017 00:00:00	Piping Diam Unit:	inch
Tank Desc:	ON-Ottawa; TPOF-22 (pit); AST #1; diesel; 1366 L capacity; used for powering water booster pumps		
Tank Stdd No E:	ULC-S601		
Tank Std No F:	ULC-S601		
Tank Std No Other:	Spill box does not bear ULC mark ULC 142.19		
Tank Constr Material E:	Steel		
Tank Constr Material F:	Acier		
Tank Constr Material Other:			
Internal No:	ULC plaque no. S-713067		
Tank Content E:	Diesel		
Tank Content F:	Diesel		
Tank Content Other:			
Piping Diameter:	1		
Spill Containment E:	Devices for Aboveground Tanks (ORD-C142.19)		
Spill Containment F:	Réservoir hors sol (ORD-C142.19)		
Spill Containment Other:			
Product Transfer Area:	Aggregate capacity of Main Tank #1 and Day Tank #2 is below 2500 L.		
Date Withdrwn Other Component:	01-Mar-2017 00:00:00		
Date Removed Other Component:	01-Mar-2017 00:00:00		

Piping Construction Materials

Component E:	Steel
Component F:	Acier
Other:	

Piping Secondary Containment

Tank ID:	74383
Component E:	Other impermeable barrier (specify)
Component F:	Autre barrière imperméable (spécifiez)
Other:	The piping is routed into tank #2 through a well into the vault. The piping does not contact soil.

Tank Corrosion Protection

Component E:	Painted
Component F:	Peinturé
Other:	

Piping Corrosion Protection

Component E:	Painted
Component F:	Peinturé
Other:	

Tank Leak Detection

Component E:	Interstitial monitoring – double walled tank
Component F:	Surveillance interstitielle- réservoir à double paroi
Other:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Tank Leak Detection</u>					
Component E:		Visual inspection			
Component F:		Inspection visuelle			
Other:					
<u>Piping Leak Detection</u>					
Component E:		Visual inspection			
Component F:		Inspection visuelle			
Other:					
<u>Sump Leak Detection</u>					
Component E:		No sump for storage tank system			
Component F:		Aucun puisard pour le système de stockage			
Other:					
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Method – trained personnel in attendance at all times			
Component F:		Méthode - Personels qualifiés présents en tout temps			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Overfill ball float valve			
Component F:		Dispositif antidébordement à bille flottante			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Overfill alarm and overfill automatic shutoff			
Component F:		Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement			
Other:					
<u>Tanks Details</u>					
Tank ID:	74384			Dt Withdrwn Piping:	01-Mar-2017 00:00:00
Tank Capacity:	227			Date Remvd Piping:	01-Mar-2017 00:00:00
Tank Type E:	Aboveground			Tk Type of Pump E:	No oil-water separator
Tank Type F:	Hors sol			Tk Type of Pump F:	Aucun Séparateur huile-eau
Date of Install:	2013			Piping Type E:	Aboveground
Date Withdrawn Tk:	01-Mar-2017 00:00:00			Piping Type F:	Hors sol
Date Removed Tank:	01-Mar-2017 00:00:00			Piping Diam Unit:	inch
Tank Desc:	ON-Ottawa; TPOF-22 (pit); Tank #2 Day Tank contained in a vault (pit); 227 L capacity; diesel; used to power water booster pumps; piping is aboveground (in well into vault not surrounded by soil)				
Tank Stdd No E:	ULC-S602				
Tank Std No F:	ULC-S602				
Tank Std No Other:					
Tank Constr Material E:	Steel				
Tank Constr Material F:	Acier				
Tank Constr Material Other:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Internal No:				ULC plaque no. D-855089	
Tank Content E:				Diesel	
Tank Content F:				Diesel	
Tank Content Other:					
Piping Diameter:				3/4	
Spill Containment E:				Other	
Spill Containment F:				Autre	
Spill Containment Other:				Spill box is on the Main Tank #1	
Product Transfer Area:				Aggregate capacity of Main Tank #1 and Day Tank #2 is below 2500 L.	
Date Withdrwn Other Component:				01-Mar-2017 00:00:00	
Date Removed Other Component:				01-Mar-2017 00:00:00	
<u>Piping Construction Materials</u>					
Component E:				Steel	
Component F:				Acier	
Other:					
<u>Piping Secondary Containment</u>					
Tank ID:				74384	
Component E:				Other impermeable barrier (specify)	
Component F:				Autre barrière imperméable (spécifiez)	
Other:				Piping is contained within well and vault	
<u>Tank Corrosion Protection</u>					
Component E:				Painted	
Component F:				Peinturé	
Other:					
<u>Piping Corrosion Protection</u>					
Component E:				Painted	
Component F:				Peinturé	
Other:					
<u>Tank Leak Detection</u>					
Component E:				Interstitial monitoring – double walled tank	
Component F:				Surveillance interstitielle- réservoir à double paroi	
Other:					
<u>Tank Leak Detection</u>					
Component E:				Visual inspection	
Component F:				Inspection visuelle	
Other:					
<u>Piping Leak Detection</u>					
Component E:				Visual inspection	
Component F:				Inspection visuelle	
Other:					
<u>Sump Leak Detection</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Component E:		No sump for storage tank system			
Component F:		Aucun puisard pour le système de stockage			
Other:					
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Overfill alarm and overfill automatic shutoff			
Component F:		Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement			
Other:					

<u>14</u>	2 of 12	SW/87.0	79.5 / 9.93	1426 St. Joseph Boulevard Ottawa ON	FRST
Tank System ID:	54240			Tank Sys Prov F:	Ontario
EC No:	28095			Tank Sys PO BOX:	
Internal No:				Tank Sys Postal Cd:	
Is Perm Withdrwl:	FALSE			Sys Record City:	
Removed Date:				Sys Record Prov E:	
Withdrawn Date:				Sys Record Prov F:	
Temp Withdrawn Dt:				Sys Record PO BOX:	
Tank Use E:	Power Generation			Sys Rec Postal Cd:	
Tank Use F:	Production d'énergie			System Rec Same as:	TRUE
Year of Manufact:	01-Jan-2013 00:00:00			Location Latitude:	
Emerg Plan Same as:	TRUE			Location Longitude:	
Operator Contact:				Creation Date:	26-Apr-2013 00:00:00
Owner Contact:				Creation By:	Tina Butter
Tank System City:	Ottawa			Modified Date:	03-Jun-2020 00:00:00
Tank Sys Prov E:	Ontario			Modified By:	
Tank Use:	Supply emergency generator				
Tank Manufacturer:	GIL-FAB TANKS INTL INC; Mascouche, QC				
Tank System Address:	1426 St. Joseph Boulevard				
Sys Record Address:					
System Descr:	ON-Ottawa; TPOF-405; three aboveground tanks and piping installed 2013; diesel; 28348 L total capacity; used for emergency power generation; aboveground storage tank #1 25411 L capacity; indoor day tank #2 1139 L capacity; generator belly tank #3 1798 L capacity				
Certification System Installer:	FS C-2006-00752663 and FS C-1997-0730314				
Certification System Remover:					
Group Name:					
Master Group Name:					
Owner Email:					
Operator Email:					
Land Owner E:	Federal entity under Financial Administration Act				
Land Owner F:	Entité fédérale sous la loi sur la gestion des finances publiques				

Service Months

Service Months E:	April
Service Months F:	Avril
Service Months E:	June
Service Months F:	Juin
Service Months E:	November
Service Months F:	Novembre
Service Months E:	December
Service Months F:	Décembre

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Service Months E:		March			
Service Months F:		Mars			
Service Months E:		October			
Service Months F:		Octobre			
Service Months E:		August			
Service Months F:		Août			
Service Months E:		September			
Service Months F:		Septembre			
Service Months E:		January			
Service Months F:		Janvier			
Service Months E:		February			
Service Months F:		Février			
Service Months E:		July			
Service Months F:		Juillet			
Service Months E:		May			
Service Months F:		Mai			

Tanks Details

Tank ID:	89859	Dt Withdrwn Piping:	
Tank Capacity:	1798	Date Remvd Piping:	
Tank Type E:	Aboveground	Tk Type of Pump E:	No oil-water separator
Tank Type F:	Hors sol	Tk Type of Pump F:	Aucun Séparateur huile-eau
Date of Install:	2013	Piping Type E:	Aboveground
Date Withdrawn Tk:		Piping Type F:	Hors sol
Date Removed Tank:		Piping Diam Unit:	inch
Tank Desc:	TPOF-405; outdoor generator belly tank; diesel; aboveground tank and piping; 1798 L capacity (475 US Gal); used for emergency power generation.		
Tank Stdd No E:	ULC-S601		
Tank Std No F:	ULC-S601		
Tank Std No Other:			
Tank Constr Material E:	Steel		
Tank Constr Material F:	Acier		
Tank Constr Material Other:			
Internal No:	ULC plaque no. R830093		
Tank Content E:	Diesel		
Tank Content F:	Diesel		
Tank Content Other:			
Piping Diameter:	2		
Spill Containment E:	Other		
Spill Containment F:	Autre		
Spill Containment Other:	Spill box is on the Outdoor Main Tank #1		
Product Transfer Area:	Refer to Main Tank #1 information for PTA approach.		
Date Withdrwn Other Component:			
Date Removed Other Component:			

Piping Construction Materials

Component E:	Steel
Component F:	Acier
Other:	

Piping Secondary Containment

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank ID:		89859			
Component E:		None			
Component F:		Aucun			
Other:					
<u>Tank Corrosion Protection</u>					
Component E:		Painted			
Component F:		Peinturé			
Other:					
<u>Piping Corrosion Protection</u>					
Component E:		Painted			
Component F:		Peinturé			
Other:					
<u>Tank Leak Detection</u>					
Component E:		Interstitial monitoring – double walled tank			
Component F:		Surveillance interstitielle- réservoir à double paroi			
Other:					
<u>Tank Leak Detection</u>					
Component E:		Visual inspection			
Component F:		Inspection visuelle			
Other:					
<u>Piping Leak Detection</u>					
Component E:		Visual inspection			
Component F:		Inspection visuelle			
Other:					
<u>Sump Leak Detection</u>					
Component E:		No sump for storage tank system			
Component F:		Aucun puisard pour le système de stockage			
Other:					
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Overfill alarm and overfill automatic shutoff			
Component F:		Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Method – trained personnel in attendance at all times			
Component F:		Méthode - Personels qualifiés présents en tout temps			

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

Tanks Details

Tank ID:	89857	Dt Withdrwn Piping:	
Tank Capacity:	25411	Date Remvd Piping:	
Tank Type E:	Aboveground	Tk Type of Pump E:	No oil-water separator
Tank Type F:	Hors sol	Tk Type of Pump F:	Aucun Séparateur huile-eau
Date of Install:	2013	Piping Type E:	Aboveground
Date Withdrawn Tk:		Piping Type F:	Hors sol
Date Removed Tank:		Piping Diam Unit:	inch
Tank Desc:	TPOF-405; outdoor AST and piping; diesel; 25411 L capacity; used for emergency power generation		
Tank Stdd No E:	ULC-S601		
Tank Std No F:	ULC-S601		
Tank Std No Other:			
Tank Constr Material E:	Steel		
Tank Constr Material F:	Acier		
Tank Constr Material Other:			
Internal No:	ULC plaque no. S-713053		
Tank Content E:	Diesel		
Tank Content F:	Diesel		
Tank Content Other:			
Piping Diameter:	1		
Spill Containment E:	Devices for Aboveground Tanks (ORD-C142.19)		
Spill Containment F:	Réservoir hors sol (ORD-C142.19)		
Spill Containment Other:			
Product Transfer Area:	Tank is installed on a curbed concrete pad. PTA is supported by fuelling SOP and the deployment of a spill absorption surface as required to protect the surrounding grass area (permeable surface).		
Date Withdrwn Other Component:			
Date Removed Other Component:			

Piping Construction Materials

Component E:	Steel
Component F:	Acier
Other:	

Piping Secondary Containment

Tank ID:	89857
Component E:	None
Component F:	Aucun
Other:	

Tank Corrosion Protection

Component E:	Painted
Component F:	Peinturé
Other:	

Piping Corrosion Protection

Component E:	Painted
Component F:	Peinturé
Other:	

Tank Leak Detection

Component E:	Interstitial monitoring – double walled tank
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Component F: Other:				Surveillance interstitielle- réservoir à double paroi	
<u>Tank Leak Detection</u>					
Component E: Component F: Other:				Visual inspection Inspection visuelle	
<u>Piping Leak Detection</u>					
Component E: Component F: Other:				Visual inspection Inspection visuelle	
<u>Sump Leak Detection</u>					
Component E: Component F: Other:				No sump for storage tank system Aucun puisard pour le système de stockage	
<u>Tank Secondary Containment</u>					
Component E: Component F: Other:				Double Walled Double paroi	
<u>Tank Overflow Protection</u>					
Component E: Component F: Other:				Overfill alarm and overfill automatic shutoff Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement	
<u>Tank Overflow Protection</u>					
Component E: Component F: Other:				Method – trained personnel in attendance at all times Méthode - Personels qualifiés présents en tout temps	
<u>Tanks Details</u>					
Tank ID:	89858			Dt Withdrwn Piping:	
Tank Capacity:	1139			Date Remvd Piping:	
Tank Type E:	Aboveground			Tk Type of Pump E:	No oil-water separator
Tank Type F:	Hors sol			Tk Type of Pump F:	Aucun Séparateur huile-eau
Date of Install:	2013			Piping Type E:	Aboveground
Date Withdrawn Tk:				Piping Type F:	Hors sol
Date Removed Tank:				Piping Diam Unit:	inch
Tank Desc:	TPOF-405; indoor day tank; diesel; aboveground tank and piping; 1139 L capacity; used for emergency power generation.				
Tank Stdd No E:	ULC-S602				
Tank Std No F:	ULC-S602				
Tank Std No Other:					
Tank Constr Material E:	Steel				
Tank Constr Material F:	Acier				
Tank Constr Material Other:					
Internal No:	ULC plaque no. D-855088				
Tank Content E:	Diesel				
Tank Content F:	Diesel				
Tank Content Other:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Piping Diameter:		3/4			
Spill Containment E:		Other			
Spill Containment F:		Autre			
Spill Containment Other:		Spill box is on the Outdoor Main Tank #1			
Product Transfer Area:		Refer to Main Tank #1 information for PTA approach.			
Date Wthdrwn Other Component:					
Date Removed Other Component:					
<u>Piping Construction Materials</u>					
Component E:		Steel			
Component F:		Acier			
Other:					
<u>Piping Secondary Containment</u>					
Tank ID:		89858			
Component E:		None			
Component F:		Aucun			
Other:					
<u>Tank Corrosion Protection</u>					
Component E:		Painted			
Component F:		Peinturé			
Other:					
<u>Piping Corrosion Protection</u>					
Component E:		Painted			
Component F:		Peinturé			
Other:					
<u>Tank Leak Detection</u>					
Component E:		Visual inspection			
Component F:		Inspection visuelle			
Other:					
<u>Tank Leak Detection</u>					
Component E:		Interstitial monitoring – double walled tank			
Component F:		Surveillance interstitielle- réservoir à double paroi			
Other:					
<u>Piping Leak Detection</u>					
Component E:		Visual inspection			
Component F:		Inspection visuelle			
Other:					
<u>Sump Leak Detection</u>					
Component E:		No sump for storage tank system			
Component F:		Aucun puisard pour le système de stockage			
Other:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Method – trained personnel in attendance at all times			
Component F:		Méthode - Personels qualifiés présents en tout temps			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Overfill alarm and overfill automatic shutoff			
Component F:		Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement			
Other:					

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Tank System ID:	53409			Tank Sys Prov F:	Ontario
EC No:	13056			Tank Sys PO BOX:	
Internal No:				Tank Sys Postal Cd:	
Is Perm Withdrwl:	FALSE			Sys Record City:	
Removed Date:				Sys Record Prov E:	
Withdrawn Date:				Sys Record Prov F:	
Temp Withdrawn Dt:				Sys Record PO BOX:	
Tank Use E:	Waste Oil Storage			Sys Rec Postal Cd:	
Tank Use F:	Stockage huile usée			System Rec Same as:	TRUE
Year of Manufact:	01-Jan-2007 00:00:00			Location Latitude:	
Emerg Plan Same as:	TRUE			Location Longitude:	
Operator Contact:				Creation Date:	13-Jul-2010 00:00:00
Owner Contact:				Creation By:	Tina Butter
Tank System City:	Ottawa			Modified Date:	07-Apr-2020 00:00:00
Tank Sys Prov E:	Ontario			Modified By:	
Tank Use:					
Tank Manufacturer:	DTE Industries Ltd				
Tank System Address:	1426 St. Joseph Boulevard				
Sys Record Address:					
System Descr:	ON-Ottawa; TPOF - Post garage; used oil; 1135 L capacity; used for storing used oil				
Certification System Installer:					
Certification System Remover:					
Group Name:					
Master Group Name:					
Owner Email:					
Operator Email:					
Land Owner E:	Federal entity under Financial Administration Act				
Land Owner F:	Entité fédérale sous la loi sur la gestion des finances publiques				

Service Months

Service Months E: March
Service Months F: Mars

Service Months E: September
Service Months F: Septembre

Service Months E: April
Service Months F: Avril

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Service Months E: Service Months F:		February Février			
Service Months E: Service Months F:		July Juillet			
Service Months E: Service Months F:		October Octobre			
Service Months E: Service Months F:		May Mai			
Service Months E: Service Months F:		June Juin			
Service Months E: Service Months F:		December Décembre			
Service Months E: Service Months F:		November Novembre			
Service Months E: Service Months F:		January Janvier			
Service Months E: Service Months F:		August Août			

Tanks Details

Tank ID:	88560	Dt Withdrwn Piping:	
Tank Capacity:	1135	Date Remvd Piping:	
Tank Type E:	Aboveground	Tk Type of Pump E:	No pump
Tank Type F:	Hors sol	Tk Type of Pump F:	Aucune pompe
Date of Install:	2007	Piping Type E:	Aboveground
Date Withdrawn Tk:		Piping Type F:	Hors sol
Date Removed Tank:		Piping Diam Unit:	inch
Tank Desc:	ON-Ottawa; TPOF - Post garage; used oil; 1135 L capacity; used for storing used oil		
Tank Std No E:	ULC-S652		
Tank Std No F:	ULC-S652		
Tank Std No Other:			
Tank Constr Material E:	Steel		
Tank Constr Material F:	Acier		
Tank Constr Material Other:			
Internal No:			
Tank Content E:	Used oil		
Tank Content F:	Huile usée		
Tank Content Other:			
Piping Diameter:	1.5		
Spill Containment E:	Spill box at fill point (aboveground tank)		
Spill Containment F:	Boîte de confinement de déversement au site de remplissage (réservoir hors sol)		
Spill Containment Other:			
Product Transfer Area:	Concrete pad with traffic protection edged by a parking lot. No sewage drains in the immediate vicinity. Spill box at fill pipe.		
Date Withdrwn Other Component:			
Date Removed Other Component:			

Piping Construction Materials

Component E:	Steel
Component F:	Acier
Other:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Piping Secondary Containment</u>					
Tank ID:		88560			
Component E:		None			
Component F:		Aucun			
Other:					
<u>Tank Corrosion Protection</u>					
Component E:		Painted			
Component F:		Peinturé			
Other:					
<u>Piping Corrosion Protection</u>					
Component E:		None			
Component F:		Aucune			
Other:					
<u>Tank Leak Detection</u>					
Component E:		Interstitial monitoring – double walled tank			
Component F:		Surveillance interstitielle- réservoir à double paroi			
Other:					
<u>Piping Leak Detection</u>					
Component E:		Visual inspection			
Component F:		Inspection visuelle			
Other:					
<u>Sump Leak Detection</u>					
Component E:		No sump for storage tank system			
Component F:		Aucun puisard pour le système de stockage			
Other:					
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Overfill ball float valve			
Component F:		Dispositif antidébordement à bille flottante			
Other:					

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SW/87.0

79.5 / 9.93

1426 St. Joseph Boulevard
Orleans ON

FRST

Tank System ID: 17746
EC No: 2278
Internal No:
Is Perm Withdrwl: TRUE
Removed Date: Dec 1 2013 12: 00AM
Withdrawn Date: Dec 1 2013 12: 00AM

Tank Sys Prov F: Ontario
Tank Sys PO BOX:
Tank Sys Postal Cd:
Sys Record City:
Sys Record Prov E:
Sys Record Prov F:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Temp Withdrawn Dt:				Sys Record PO BOX:	
Tank Use E:				Sys Rec Postal Cd:	
Tank Use F:				System Rec Same as:	TRUE
Year of Manufact:				Location Latitude:	
Emerg Plan Same as:	FALSE			Location Longitude:	
Operator Contact:				Creation Date:	11-Jun-2009 00:00:00
Owner Contact:				Creation By:	Section 19
Tank System City:	Orleans			Modified Date:	28-Jan-2011 00:00:00
Tank Sys Prov E:	Ontario			Modified By:	
Tank Use:					
Tank Manufacturer:					
Tank System Address:		1426 St. Joseph Boulevard			
Sys Record Address:					
System Descr:		Tank system at the entrance of TPOF - Building 22 (the pit). One aboveground tank connected to a single wall 50 gallon (189 L) aboveground tank in a vault below grade			
Certification System Installer:					
Certification System Remover:					
Group Name:					
Master Group Name:					
Owner Email:					
Operator Email:					
Land Owner E:		Federal entity under Financial Administration Act			
Land Owner F:		Entité fédérale sous la loi sur la gestion des finances publiques			
<u>Service Months</u>					
Service Months E:		July			
Service Months F:		Juillet			
Service Months E:		June			
Service Months F:		Juin			
Service Months E:		January			
Service Months F:		Janvier			
Service Months E:		March			
Service Months F:		Mars			
Service Months E:		December			
Service Months F:		Décembre			
Service Months E:		November			
Service Months F:		Novembre			
Service Months E:		February			
Service Months F:		Février			
Service Months E:		May			
Service Months F:		Mai			
Service Months E:		April			
Service Months F:		Avril			
Service Months E:		September			
Service Months F:		Septembre			
Service Months E:		August			
Service Months F:		Août			
Service Months E:		October			
Service Months F:		Octobre			

Tanks Details

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank ID:	29773			Dt Withdrwn Piping:	01-Dec-2013 00:00:00
Tank Capacity:	1345			Date Remvd Piping:	01-Dec-2013 00:00:00
Tank Type E:	Aboveground			Tk Type of Pump E:	No pump
Tank Type F:	Hors sol			Tk Type of Pump F:	Aucune pompe
Date of Install:	2000			Piping Type E:	Aboveground
Date Withdrawn Tk:	01-Dec-2013 00:00:00			Piping Type F:	Hors sol
Date Removed Tank:	01-Dec-2013 00:00:00			Piping Diam Unit:	inch
Tank Desc:	Tank system at the entrance of TPOF - Building 22 (the pit).				
Tank Stdd No E:	ULC-S643 (withdrawn and superseded by S601)				
Tank Std No F:	ULC-S643 (retiré et remplacé par S601)				
Tank Std No Other:					
Tank Constr Material E:	Steel				
Tank Constr Material F:	Acier				
Tank Constr Material Other:					
Internal No:					
Tank Content E:	Diesel				
Tank Content F:	Diesel				
Tank Content Other:					
Piping Diameter:	1; 0.5				
Spill Containment E:	None				
Spill Containment F:	Aucun				
Spill Containment Other:					
Product Transfer Area:	N/A				
Date Withdrwn Other Component:	01-Dec-2013 00:00:00				
Date Removed Other Component:	01-Dec-2013 00:00:00				
<u>Piping Construction Materials</u>					
Component E:	Copper				
Component F:	Cuivre				
Other:					
<u>Piping Construction Materials</u>					
Component E:	Steel				
Component F:	Acier				
Other:					
<u>Piping Secondary Containment</u>					
Tank ID:	29773				
Component E:	None				
Component F:	Aucun				
Other:					
<u>Tank Corrosion Protection</u>					
Component E:	Painted				
Component F:	Peinturé				
Other:					
<u>Piping Corrosion Protection</u>					
Component E:	Painted				
Component F:	Peinturé				
Other:					
<u>Tank Leak Detection</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Component E: Component F: Other:		Visual inspection Inspection visuelle			
<u>Piping Leak Detection</u>					
Component E: Component F: Other:		Visual inspection Inspection visuelle			
<u>Sump Leak Detection</u>					
Component E: Component F: Other:		No sump for storage tank system Aucun puisard pour le système de stockage			
<u>Tank Secondary Containment</u>					
Component E: Component F: Other:		Double Walled Double paroi			
<u>Tank Overflow Protection</u>					
Component E: Component F: Other:		Overfill ball float valve Dispositif antidébordement à bille flottante			
<u>Tank Overflow Protection</u>					
Component E: Component F: Other:		Method – trained personnel in attendance at all times Méthode - Personels qualifiés présents en tout temps			
<u>Tanks Details</u>					
Tank ID:	29774			Dt Withdrwn Piping:	01-Dec-2013 00:00:00
Tank Capacity:	189			Date Remvd Piping:	01-Dec-2013 00:00:00
Tank Type E:	Aboveground			Tk Type of Pump E:	No pump
Tank Type F:	Hors sol			Tk Type of Pump F:	Aucune pompe
Date of Install:				Piping Type E:	Aboveground
Date Withdrawn Tk:	01-Dec-2013 00:00:00			Piping Type F:	Hors sol
Date Removed Tank:	01-Dec-2013 00:00:00			Piping Diam Unit:	inch
Tank Desc:					
Tank Stdd No E:		Unknown–shop-fabricated horizontal aboveground tank			
Tank Std No F:		Inconnu - réservoir horizontal hors sol fabriqué par un magasin			
Tank Std No Other:					
Tank Constr Material E:		Steel			
Tank Constr Material F:		Acier			
Tank Constr Material Other:					
Internal No:					
Tank Content E:		Diesel			
Tank Content F:		Diesel			
Tank Content Other:					
Piping Diameter:		1; 0.5			
Spill Containment E:		None			
Spill Containment F:		Aucun			
Spill Containment Other:					
Product Transfer Area:		N/A			
Date Withdrwn Other		01-Dec-2013 00:00:00			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Component: Date Removed Other Component:			01-Dec-2013 00:00:00		
<u>Piping Construction Materials</u>					
Component E: Component F: Other:			Steel Acier		
<u>Piping Construction Materials</u>					
Component E: Component F: Other:			Copper Cuivre		
<u>Piping Secondary Containment</u>					
Tank ID: Component E: Component F: Other:			29774 None Aucun		
<u>Tank Corrosion Protection</u>					
Component E: Component F: Other:			Painted Peinturé		
<u>Piping Corrosion Protection</u>					
Component E: Component F: Other:			Painted Peinturé		
<u>Tank Leak Detection</u>					
Component E: Component F: Other:			Continuous external tank leak monitoring (Sensor cable system) Surveillance externe et en continu de l'étanchéité des reservoirs		
<u>Tank Leak Detection</u>					
Component E: Component F: Other:			Visual inspection Inspection visuelle		
<u>Piping Leak Detection</u>					
Component E: Component F: Other:			Continuous external leak monitoring (Sensor cable system) Surveillance externe et en continu de l'étanchéité		
<u>Piping Leak Detection</u>					
Component E: Component F: Other:			Visual inspection Inspection visuelle		

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

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Tank Secondary Containment

Component E: None
Component F: Aucun
Other:

Tank Overflow Protection

Component E: None
Component F: Aucun
Other:

14 5 of 12 **SW/87.0** **79.5 / 9.93** **1426 St. Joseph Boulevard
Orleans ON** **FRST**

Tank System ID:	37292	Tank Sys Prov F:	Ontario
EC No:	2057	Tank Sys PO BOX:	
Internal No:		Tank Sys Postal Cd:	
Is Perm Withdrwl:	TRUE	Sys Record City:	
Removed Date:	Mar 1 2017 12: 00AM	Sys Record Prov E:	
Withdrawn Date:		Sys Record Prov F:	
Temp Withdrawn Dt:		Sys Record PO BOX:	
Tank Use E:		Sys Rec Postal Cd:	
Tank Use F:		System Rec Same as:	TRUE
Year of Manufact:		Location Latitude:	
Emerg Plan Same as:	TRUE	Location Longitude:	
Operator Contact:		Creation Date:	08-Jun-2009 00:00:00
Owner Contact:		Creation By:	Section 19
Tank System City:	Orleans	Modified Date:	04-Apr-2017 00:00:00
Tank Sys Prov E:	Ontario	Modified By:	
Tank Use:			
Tank Manufacturer:			
Tank System Address:	1426 St. Joseph Boulevard		
Sys Record Address:			
System Descr:	Stand alone aboveground storage tank in the 411 Building of TPOF, used to fuel armoured vehicles		
Certification System Installer:			
Certification System Remover:			
Group Name:			
Master Group Name:			
Owner Email:			
Operator Email:			
Land Owner E:	Federal entity under Financial Administration Act		
Land Owner F:	Entité fédérale sous la loi sur la gestion des finances publiques		

Service Months

Service Months E: May
Service Months F: Mai

Service Months E: February
Service Months F: Février

Service Months E: November
Service Months F: Novembre

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Service Months E:		August			
Service Months F:		Août			
Service Months E:		September			
Service Months F:		Septembre			
Service Months E:		June			
Service Months F:		Juin			
Service Months E:		March			
Service Months F:		Mars			
Service Months E:		July			
Service Months F:		Juillet			
Service Months E:		April			
Service Months F:		Avril			
Service Months E:		December			
Service Months F:		Décembre			
Service Months E:		January			
Service Months F:		Janvier			
Service Months E:		October			
Service Months F:		Octobre			

Tanks Details

Tank ID:	62786	Dt Withdrwn Piping:	
Tank Capacity:	1345	Date Remvd Piping:	01-Mar-2017 00:00:00
Tank Type E:	Aboveground	Tk Type of Pump E:	No pump
Tank Type F:	Hors sol	Tk Type of Pump F:	Aucune pompe
Date of Install:	2000	Piping Type E:	None
Date Withdrawn Tk:		Piping Type F:	Aucun
Date Removed Tank:	01-Mar-2017 00:00:00	Piping Diam Unit:	inch
Tank Desc:	Stand alone aboveground storage tank in the 411 Building of TPOF, used to fuel armoured vehicles		
Tank Stdd No E:	ULC-S643 (withdrawn and superseded by S601)		
Tank Std No F:	ULC-S643 (retiré et remplacé par S601)		
Tank Std No Other:			
Tank Constr Material E:	Steel		
Tank Constr Material F:	Acier		
Tank Constr Material Other:			
Internal No:			
Tank Content E:	Diesel		
Tank Content F:	Diesel		
Tank Content Other:			
Piping Diameter:	0		
Spill Containment E:	None		
Spill Containment F:	Aucun		
Spill Containment Other:			
Product Transfer Area:	none		
Date Withdrwn Other Component:			
Date Removed Other Component:	01-Mar-2017 00:00:00		

Piping Construction Materials

Component E:	Unknown (not selectable after 2008 installation)
Component F:	Inconnu (non sélectionnable après installation de 2008)
Other:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Piping Secondary Containment</u>					
Tank ID:		62786			
Component E:		None			
Component F:		Aucun			
Other:					
<u>Tank Corrosion Protection</u>					
Component E:		Painted			
Component F:		Peinturé			
Other:					
<u>Piping Corrosion Protection</u>					
Component E:		None			
Component F:		Aucune			
Other:					
<u>Tank Leak Detection</u>					
Component E:		Visual inspection			
Component F:		Inspection visuelle			
Other:					
<u>Sump Leak Detection</u>					
Component E:		No sump for storage tank system			
Component F:		Aucun puisard pour le système de stockage			
Other:					
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Overfill ball float valve			
Component F:		Dispositif antidébordement à bille flottante			
Other:					

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Tank System ID:	21684			Tank Sys Prov F:	Ontario
EC No:	21684			Tank Sys PO BOX:	
Internal No:				Tank Sys Postal Cd:	
Is Perm Withdrwl:	TRUE			Sys Record City:	
Removed Date:	Mar 1 2013 12: 00AM			Sys Record Prov E:	
Withdrawn Date:				Sys Record Prov F:	
Temp Withdrawn Dt:				Sys Record PO BOX:	
Tank Use E:				Sys Rec Postal Cd:	
Tank Use F:				System Rec Same as:	TRUE
Year of Manufact:				Location Latitude:	
Emerg Plan Same as:	TRUE			Location Longitude:	
Operator Contact:				Creation Date:	09-Dec-2011 00:00:00
Owner Contact:				Creation By:	Section 19
Tank System City:	Orelans			Modified Date:	09-Dec-2011 00:00:00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Sys Prov E:	Ontario			Modified By:	
Tank Use:					
Tank Manufacturer:					
Tank System Address:	1426 St Joseph Blvd				
Sys Record Address:					
System Descr:					
Certification System Installer:					
Certification System Remover:					
Group Name:					
Master Group Name:					
Owner Email:					
Operator Email:					
Land Owner E:	Federal entity under Financial Administration Act				
Land Owner F:	Entité fédérale sous la loi sur la gestion des finances publiques				

Service Months

Service Months E:	October
Service Months F:	Octobre
Service Months E:	May
Service Months F:	Mai
Service Months E:	December
Service Months F:	Décembre
Service Months E:	February
Service Months F:	Février
Service Months E:	March
Service Months F:	Mars
Service Months E:	April
Service Months F:	Avril
Service Months E:	June
Service Months F:	Juin
Service Months E:	July
Service Months F:	Juillet
Service Months E:	November
Service Months F:	Novembre
Service Months E:	January
Service Months F:	Janvier
Service Months E:	September
Service Months F:	Septembre
Service Months E:	August
Service Months F:	Août

Tanks Details

Tank ID:	36665	Dt Withdrwn Piping:	
Tank Capacity:	2270	Date Remvd Piping:	
Tank Type E:	Aboveground	Tk Type of Pump E:	No pump
Tank Type F:	Hors sol	Tk Type of Pump F:	Aucune pompe
Date of Install:	2011	Piping Type E:	None
Date Withdrawn Tk:		Piping Type F:	Aucun
Date Removed Tank:		Piping Diam Unit:	inch
Tank Desc:			
Tank Stdd No E:	ULC-S643 (withdrawn and superseded by S601)		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Std No F:				ULC-S643 (retiré et remplacé par S601)	
Tank Std No Other:					
Tank Constr Material E:				Steel	
Tank Constr Material F:				Acier	
Tank Constr Material Other:					
Internal No:					
Tank Content E:				Diesel	
Tank Content F:				Diesel	
Tank Content Other:					
Piping Diameter:				0	
Spill Containment E:				Devices for Aboveground Tanks (ORD-C142.19)	
Spill Containment F:				Réservoir hors sol (ORD-C142.19)	
Spill Containment Other:					
Product Transfer Area:				spill containment kit	
Date Withdrwn Other Component:					
Date Removed Other Component:					
<u>Piping Construction Materials</u>					
Component E:				Other	
Component F:				Autre	
Other:					
<u>Piping Secondary Containment</u>					
Tank ID:				36665	
Component E:				None	
Component F:				Aucun	
Other:					
<u>Tank Corrosion Protection</u>					
Component E:				Painted	
Component F:				Peinturé	
Other:					
<u>Piping Corrosion Protection</u>					
Component E:				None	
Component F:				Aucune	
Other:					
<u>Tank Leak Detection</u>					
Component E:				Interstitial monitoring – double walled tank	
Component F:				Surveillance interstitielle- réservoir à double paroi	
Other:					
<u>Piping Leak Detection</u>					
Component E:				None	
Component F:				Aucun	
Other:					
<u>Sump Leak Detection</u>					
Component E:				No sump for storage tank system	
Component F:				Aucun puisard pour le système de stockage	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Other:</i>					
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Method – trained personnel in attendance at all times			
Component F:		Méthode - Personels qualifiés présents en tout temps			
Other:					

<u>14</u>	7 of 12	SW/87.0	79.5 / 9.93	1426 St. Joseph Blvd Ottawa ON	FRST
Tank System ID:	56432			Tank Sys Prov F:	Ontario
EC No:	56432			Tank Sys PO BOX:	
Internal No:				Tank Sys Postal Cd:	
Is Perm Withdrwl:	FALSE			Sys Record City:	
Removed Date:				Sys Record Prov E:	
Withdrawn Date:				Sys Record Prov F:	
Temp Withdrawn Dt:				Sys Record PO BOX:	
Tank Use E:	Power Generation			Sys Rec Postal Cd:	TRUE
Tank Use F:	Production d'énergie			System Rec Same as:	
Year of Manufact:	01-Jan-2019 00:00:00			Location Latitude:	
Emerg Plan Same as:	TRUE			Location Longitude:	
Operator Contact:				Creation Date:	24-Jun-2021 00:00:00
Owner Contact:				Creation By:	Ashoke Mohanraj
Tank System City:	Ottawa			Modified Date:	24-Jun-2021 00:00:00
Tank Sys Prov E:	Ontario			Modified By:	
Tank Use:					
Tank Manufacturer:	Vibraa-Sil				
Tank System Address:	1426 St. Joseph Blvd				
Sys Record Address:					
System Descr:	TPOF Building B Genset A				
Certification System Installer:	749171				
Certification System Remover:					
Group Name:					
Master Group Name:					
Owner Email:					
Operator Email:					
Land Owner E:					
Land Owner F:					

Service Months

Service Months E:	June
Service Months F:	Juin
Service Months E:	July
Service Months F:	Juillet
Service Months E:	April
Service Months F:	Avril
Service Months E:	May
Service Months F:	Mai
Service Months E:	October
Service Months F:	Octobre

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Service Months E:		January			
Service Months F:		Janvier			
Service Months E:		February			
Service Months F:		Février			
Service Months E:		December			
Service Months F:		Décembre			
Service Months E:		August			
Service Months F:		Août			
Service Months E:		March			
Service Months F:		Mars			
Service Months E:		November			
Service Months F:		Novembre			
Service Months E:		September			
Service Months F:		Septembre			

Tanks Details

Tank ID:	93326	Dt Wthdrwn Piping:	
Tank Capacity:	6240	Date Remvd Piping:	
Tank Type E:	Aboveground	Tk Type of Pump E:	Centrifugal
Tank Type F:	Hors sol	Tk Type of Pump F:	Centrifuge
Date of Install:	2020	Piping Type E:	Aboveground
Date Withdrawn Tk:		Piping Type F:	Hors sol
Date Removed Tank:		Piping Diam Unit:	inch
Tank Desc:	Diesel fuel tank for emergency generator A - Project #P0033619-2		
Tank Stdd No E:	ULC-S601		
Tank Std No F:	ULC-S601		
Tank Std No Other:			
Tank Constr Material E:	Steel		
Tank Constr Material F:	Acier		
Tank Constr Material Other:			
Internal No:			
Tank Content E:	Diesel		
Tank Content F:	Diesel		
Tank Content Other:			
Piping Diameter:	0.5		
Spill Containment E:	Spill box at fill point (aboveground tank)		
Spill Containment F:	Boîte de confinement de déversement au site de remplissage (réservoir hors sol)		
Spill Containment Other:			
Product Transfer Area:	Spill basins are installed		
Date Wthdrwn Other			
Component:			
Date Removed Other			
Component:			

Piping Construction Materials

Component E:	Steel
Component F:	Acier
Other:	

Piping Secondary Containment

Tank ID:	93326
Component E:	None
Component F:	Aucun

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Other:</i>					
<u>Tank Corrosion Protection</u>					
Component E:		Painted			
Component F:		Peinturé			
Other:					
<u>Piping Corrosion Protection</u>					
Component E:		None			
Component F:		Aucune			
Other:					
<u>Tank Leak Detection</u>					
Component E:		Interstitial monitoring – double walled tank			
Component F:		Surveillance interstitielle- réservoir à double paroi			
Other:					
<u>Piping Leak Detection</u>					
Component E:		None			
Component F:		Aucun			
Other:					
<u>Sump Leak Detection</u>					
Component E:		No sump for storage tank system			
Component F:		Aucun puisard pour le système de stockage			
Other:					
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Overfill alarm and overfill automatic shutoff			
Component F:		Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement			
Other:					

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SW/87.0

79.5 / 9.93

1426 St. Joseph Blvd.
Ottawa ON

FRST

Tank System ID: 54241
EC No: 23153
Internal No: 03-N-010-000-05
Is Perm Withdrwl: FALSE
Removed Date:
Withdrawn Date:
Temp Withdrawn Dt:
Tank Use E: Power Generation
Tank Use F: Production d'énergie
Year of Manufact: 01-Jan-2011 00:00:00
Emerg Plan Same as: TRUE
Operator Contact:

Tank Sys Prov F: Ontario
Tank Sys PO BOX:
Tank Sys Postal Cd:
Sys Record City:
Sys Record Prov E:
Sys Record Prov F:
Sys Record PO BOX:
Sys Rec Postal Cd: TRUE
System Rec Same as:
Location Latitude:
Location Longitude:
Creation Date: 20-Mar-2012 00:00:00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Owner Contact:				Creation By:	Tina Butter
Tank System City:				Modified Date:	03-Jun-2020 00:00:00
Tank Sys Prov E:				Modified By:	
Tank Use:					
Tank Manufacturer:				IMI Entech International Inc	
Tank System Address:				1426 St. Joseph Blvd.	
Sys Record Address:					
System Descr:				ON-Ottawa; TPOF-428; generator belly tank; 3995 L capacity; diesel; used for emergency power generation	
Certification System Installer:				Greg Bourbonnais GAL Power FS 000241900	
Certification System Remover:					
Group Name:					
Master Group Name:					
Owner Email:					
Operator Email:					
Land Owner E:				Federal entity under Financial Administration Act	
Land Owner F:				Entité fédérale sous la loi sur la gestion des finances publiques	

Service Months

Service Months E:	March
Service Months F:	Mars
Service Months E:	June
Service Months F:	Juin
Service Months E:	January
Service Months F:	Janvier
Service Months E:	October
Service Months F:	Octobre
Service Months E:	April
Service Months F:	Avril
Service Months E:	September
Service Months F:	Septembre
Service Months E:	May
Service Months F:	Mai
Service Months E:	December
Service Months F:	Décembre
Service Months E:	August
Service Months F:	Août
Service Months E:	November
Service Months F:	Novembre
Service Months E:	February
Service Months F:	Février
Service Months E:	July
Service Months F:	Juillet

Tanks Details

Tank ID:	89860	Dt Withdrwn Piping:	
Tank Capacity:	3995	Date Remvd Piping:	
Tank Type E:	Aboveground	Tk Type of Pump E:	No pump
Tank Type F:	Hors sol	Tk Type of Pump F:	Aucune pompe
Date of Install:	2011	Piping Type E:	Aboveground
Date Withdrawn Tk:		Piping Type F:	Hors sol
Date Removed Tank:		Piping Diam Unit:	mm

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Desc:				ON-Ottawa; TPOF-428; generator belly tank; 3995 L capacity; diesel; used for emergency power generation	
Tank Std No E:				ULC-S653	
Tank Std No F:				ULC-S653	
Tank Std No Other:					
Tank Constr Material E:				Steel	
Tank Constr Material F:				Acier	
Tank Constr Material Other:					
Internal No:				03-N-010-000-05	
Tank Content E:				Diesel	
Tank Content F:				Diesel	
Tank Content Other:					
Piping Diameter:				9.525	
Spill Containment E:				Spill box at fill point (aboveground tank)	
Spill Containment F:				Boîte de confinement de déversement au site de remplissage (réservoir hors sol)	
Spill Containment Other:					
Product Transfer Area:				Bermed concrete pad graded towards paved area; spill box at fill point	
Date Withdrwn Other Component:					
Date Removed Other Component:					
<u>Piping Construction Materials</u>					
Component E:				Black Iron	
Component F:				Fer noir	
Other:					
<u>Piping Secondary Containment</u>					
Tank ID:				89860	
Component E:				None	
Component F:				Aucun	
Other:					
<u>Tank Corrosion Protection</u>					
Component E:				Painted	
Component F:				Peinturé	
Other:					
<u>Piping Corrosion Protection</u>					
Component E:				Painted	
Component F:				Peinturé	
Other:					
<u>Tank Leak Detection</u>					
Component E:				Continuous leak detection	
Component F:				Essai d'étanchéité interne en continu	
Other:					
<u>Tank Leak Detection</u>					
Component E:				Interstitial monitoring – double walled tank	
Component F:				Surveillance interstitielle- réservoir à double paroi	
Other:					
<u>Tank Leak Detection</u>					

<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>
Component E: Component F: Other:		Visual inspection Inspection visuelle			
<u>Piping Leak Detection</u>					
Component E: Component F: Other:		Visual inspection Inspection visuelle			
<u>Sump Leak Detection</u>					
Component E: Component F: Other:		No sump for storage tank system Aucun puisard pour le système de stockage			
<u>Tank Secondary Containment</u>					
Component E: Component F: Other:		Double Walled Double paroi			
<u>Tank Overflow Protection</u>					
Component E: Component F: Other:		Overfill alarm and overfill automatic shutoff Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement			

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Tank System ID:	56433			Tank Sys Prov F:	Ontario
EC No:	56433			Tank Sys PO BOX:	
Internal No:				Tank Sys Postal Cd:	
Is Perm Withdrwl:	FALSE			Sys Record City:	
Removed Date:				Sys Record Prov E:	
Withdrawn Date:				Sys Record Prov F:	
Temp Withdrawn Dt:				Sys Record PO BOX:	
Tank Use E:	Power Generation			Sys Rec Postal Cd:	
Tank Use F:	Production d'énergie			System Rec Same as:	TRUE
Year of Manufact:	01-Jan-2019 00:00:00			Location Latitude:	
Emerg Plan Same as:	TRUE			Location Longitude:	
Operator Contact:				Creation Date:	24-Jun-2021 00:00:00
Owner Contact:				Creation By:	Ashoke Mohanraj
Tank System City:	Ottawa			Modified Date:	24-Jun-2021 00:00:00
Tank Sys Prov E:	Ontario			Modified By:	
Tank Use:					
Tank Manufacturer:	Vibraa-Sil				
Tank System Address:	1426 St. Joseph Blvd				
Sys Record Address:					
System Descr:	TPOF Building B Genset B				
Certification System Installer:	749171				
Certification System Remover:					
Group Name:					
Master Group Name:					
Owner Email:					
Operator Email:					
Land Owner E:	Federal entity under Financial Administration Act				
Land Owner F:	Entité fédérale sous la loi sur la gestion des finances publiques				

Service Months

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Service Months E:		October			
Service Months F:		Octobre			
Service Months E:		March			
Service Months F:		Mars			
Service Months E:		January			
Service Months F:		Janvier			
Service Months E:		August			
Service Months F:		Août			
Service Months E:		July			
Service Months F:		Juillet			
Service Months E:		December			
Service Months F:		Décembre			
Service Months E:		June			
Service Months F:		Juin			
Service Months E:		February			
Service Months F:		Février			
Service Months E:		November			
Service Months F:		Novembre			
Service Months E:		September			
Service Months F:		Septembre			
Service Months E:		May			
Service Months F:		Mai			
Service Months E:		April			
Service Months F:		Avril			

Tanks Details

Tank ID:	93327	Dt Withdrwn Piping:	
Tank Capacity:	6240	Date Remvd Piping:	
Tank Type E:	Aboveground	Tk Type of Pump E:	Centrifugal
Tank Type F:	Hors sol	Tk Type of Pump F:	Centrifuge
Date of Install:	2020	Piping Type E:	Aboveground
Date Withdrawn Tk:		Piping Type F:	Hors sol
Date Removed Tank:		Piping Diam Unit:	inch
Tank Desc:	Diesel fuel tank for emergency generator B - Project #P0033619-1		
Tank Stdd No E:	ULC-S601		
Tank Std No F:	ULC-S601		
Tank Std No Other:			
Tank Constr Material E:	Steel		
Tank Constr Material F:	Acier		
Tank Constr Material Other:			
Internal No:			
Tank Content E:	Diesel		
Tank Content F:	Diesel		
Tank Content Other:			
Piping Diameter:	0.5		
Spill Containment E:	Spill box at fill point (aboveground tank)		
Spill Containment F:	Boîte de confinement de déversement au site de remplissage (réservoir hors sol)		
Spill Containment Other:			
Product Transfer Area:	Spill basins are installed		
Date Withdrwn Other Component:			
Date Removed Other			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Component:					
<u>Piping Construction Materials</u>					
Component E:		Steel			
Component F:		Acier			
Other:					
<u>Piping Secondary Containment</u>					
Tank ID:		93327			
Component E:		None			
Component F:		Aucun			
Other:					
<u>Tank Corrosion Protection</u>					
Component E:		Painted			
Component F:		Peinturé			
Other:					
<u>Piping Corrosion Protection</u>					
Component E:		None			
Component F:		Aucune			
Other:					
<u>Tank Leak Detection</u>					
Component E:		Interstitial monitoring – double walled tank			
Component F:		Surveillance interstitielle- réservoir à double paroi			
Other:					
<u>Piping Leak Detection</u>					
Component E:		None			
Component F:		Aucun			
Other:					
<u>Sump Leak Detection</u>					
Component E:		No sump for storage tank system			
Component F:		Aucun puisard pour le système de stockage			
Other:					
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Overfill alarm and overfill automatic shutoff			
Component F:		Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement			
Other:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	10 of 12	SW/87.0	79.5 / 9.93	1426 St. Joseph Boulevard Orleans ON	FRST
Tank System ID:	29320			Tank Sys Prov F:	Ontario
EC No:	2050			Tank Sys PO BOX:	
Internal No:				Tank Sys Postal Cd:	
Is Perm Withdrwl:	TRUE			Sys Record City:	
Removed Date:	Sep 1 2013 12: 00AM			Sys Record Prov E:	
Withdrawn Date:	Sep 1 2013 12: 00AM			Sys Record Prov F:	
Temp Withdrawn Dt:				Sys Record PO BOX:	
Tank Use E:	Power Generation			Sys Rec Postal Cd:	
Tank Use F:	Production d'énergie			System Rec Same as:	TRUE
Year of Manufact:	01-Jan-2001 00:00:00			Location Latitude:	
Emerg Plan Same as:	TRUE			Location Longitude:	
Operator Contact:				Creation Date:	08-Jun-2009 00:00:00
Owner Contact:				Creation By:	Section 19
Tank System City:	Orleans			Modified Date:	03-Oct-2013 00:00:00
Tank Sys Prov E:	Ontario			Modified By:	
Tank Use:	Supply generator				
Tank Manufacturer:	Audet Soudure Inc				
Tank System Address:	1426 St. Joseph Boulevard				
Sys Record Address:					
System Descr:	Diesel Tanks for diesel Generator at TPOF - building 405				
Certification System Installer:	unknown				
Certification System Remover:	TSSA FS C-2006-00752663				
Group Name:					
Master Group Name:					
Owner Email:					
Operator Email:					
Land Owner E:	Federal entity under Financial Administration Act				
Land Owner F:	Entité fédérale sous la loi sur la gestion des finances publiques				

Service Months

Service Months E:	January
Service Months F:	Janvier
Service Months E:	March
Service Months F:	Mars
Service Months E:	August
Service Months F:	Août
Service Months E:	October
Service Months F:	Octobre
Service Months E:	February
Service Months F:	Février
Service Months E:	May
Service Months F:	Mai
Service Months E:	November
Service Months F:	Novembre
Service Months E:	July
Service Months F:	Juillet
Service Months E:	September
Service Months F:	Septembre
Service Months E:	June
Service Months F:	Juin
Service Months E:	December

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

Service Months E: April
Service Months F: Avril

Tanks Details

Tank ID:	48689	Dt Withdrwn Piping:	01-Sep-2013 00:00:00
Tank Capacity:	18396	Date Remvd Piping:	01-Sep-2013 00:00:00
Tank Type E:	Aboveground	Tk Type of Pump E:	No pump
Tank Type F:	Hors sol	Tk Type of Pump F:	Aucune pompe
Date of Install:	2005	Piping Type E:	Aboveground
Date Withdrawn Tk:	01-Sep-2013 00:00:00	Piping Type F:	Hors sol
Date Removed Tank:	01-Sep-2013 00:00:00	Piping Diam Unit:	mm
Tank Desc:	Outdoor aboveground 18396L tank. Former PWGSC # 71-483-002		
Tank Stdd No E:	ULC-S653		
Tank Std No F:	ULC-S653		
Tank Std No Other:			
Tank Constr Material E:	Steel		
Tank Constr Material F:	Acier		
Tank Constr Material Other:			
Internal No:			
Tank Content E:	Diesel		
Tank Content F:	Diesel		
Tank Content Other:			
Piping Diameter:	23		
Spill Containment E:	Spill box at fill point (aboveground tank)		
Spill Containment F:	Boîte de confinement de déversement au site de remplissage (réservoir hors sol)		
Spill Containment Other:			
Product Transfer Area:	Tank is within a 21502L capacity dike		
Date Wthdrwn Other Component:	01-Sep-2013 00:00:00		
Date Removed Other Component:	01-Sep-2013 00:00:00		

Piping Construction Materials

Component E: Steel
Component F: Acier
Other:

Piping Secondary Containment

Tank ID: 48689
Component E: None
Component F: Aucun
Other:

Tank Corrosion Protection

Component E: Painted
Component F: Peinturé
Other:

Piping Corrosion Protection

Component E: None
Component F: Aucune
Other:

Tank Leak Detection

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Component E: Component F: Other:				Continuous leak detection Essai d'étanchéité interne en continu	
<u>Tank Leak Detection</u>					
Component E: Component F: Other:				Visual inspection Inspection visuelle	
<u>Tank Leak Detection</u>					
Component E: Component F: Other:				Interstitial monitoring – double walled tank Surveillance interstitielle- réservoir à double paroi	
<u>Piping Leak Detection</u>					
Component E: Component F: Other:				Visual inspection Inspection visuelle	
<u>Sump Leak Detection</u>					
Component E: Component F: Other:				No sump for storage tank system Aucun puisard pour le système de stockage	
<u>Tank Secondary Containment</u>					
Component E: Component F: Other:				Double Walled Double paroi	
<u>Tank Overflow Protection</u>					
Component E: Component F: Other:				Method – trained personnel in attendance at all times Méthode - Personels qualifiés présents en tout temps	
<u>Tank Overflow Protection</u>					
Component E: Component F: Other:				Overfill alarm and overfill automatic shutoff Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement	
<u>Tank Overflow Protection</u>					
Component E: Component F: Other:				API RP 2350 - Overfill Protection for Storage Tanks in Petroleum Facilities (field erected tank) API RP 2350 - Overfill Protection for Storage Tanks in Petroleum Facilities (réservoir fabriqué sur place)	
<u>Tanks Details</u>					
Tank ID:	48690			Dt Withdrwn Piping:	01-Sep-2013 00:00:00
Tank Capacity:	910			Date Remvd Piping:	01-Sep-2013 00:00:00
Tank Type E:	Aboveground			Tk Type of Pump E:	No pump

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Type F:	Hors sol			Tk Type of Pump F:	Aucune pompe
Date of Install:	2005			Piping Type E:	Aboveground
Date Withdrawn Tk:	01-Sep-2013 00:00:00			Piping Type F:	Hors sol
Date Removed Tank:	01-Sep-2013 00:00:00			Piping Diam Unit:	mm
Tank Desc:	Small indoor day tank connected to the outdoor tank for the generator				
Tank Stdd No E:	ULC-S602				
Tank Std No F:	ULC-S602				
Tank Std No Other:					
Tank Constr Material E:	Steel				
Tank Constr Material F:	Acier				
Tank Constr Material Other:					
Internal No:					
Tank Content E:	Diesel				
Tank Content F:	Diesel				
Tank Content Other:					
Piping Diameter:	23				
Spill Containment E:	None				
Spill Containment F:	Aucun				
Spill Containment Other:					
Product Transfer Area:	in a small dike				
Date Wthdrwn Other Component:	01-Sep-2013 00:00:00				
Date Removed Other Component:	01-Sep-2013 00:00:00				
<u>Piping Construction Materials</u>					
Component E:	Steel				
Component F:	Acier				
Other:					
<u>Piping Secondary Containment</u>					
Tank ID:	48690				
Component E:	None				
Component F:	Aucun				
Other:					
<u>Tank Corrosion Protection</u>					
Component E:	Painted				
Component F:	Peinturé				
Other:					
<u>Piping Corrosion Protection</u>					
Component E:	None				
Component F:	Aucune				
Other:					
<u>Tank Leak Detection</u>					
Component E:	Interstitial monitoring – double walled tank				
Component F:	Surveillance interstitielle- réservoir à double paroi				
Other:					
<u>Piping Leak Detection</u>					
Component E:	Visual inspection				
Component F:	Inspection visuelle				
Other:					

Sump Leak Detection

Component E: No sump for storage tank system
Component F: Aucun puisard pour le système de stockage
Other:

Tank Secondary Containment

Component E: Other impermeable barrier (specify)
Component F: Autre barrière imperméable (spécifiez)
Other: Tank sitting in metal dike inside building

Tank Overflow Protection

Component E: None
Component F: Aucun
Other:

14	11 of 12	SW/87.0	79.5 / 9.93	1426 St. Joseph Boulevard Orleans ON	FRST
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Tank System ID:	7642	Tank Sys Prov F:	Ontario
EC No:	2055	Tank Sys PO BOX:	
Internal No:		Tank Sys Postal Cd:	
Is Perm Withdrwl:	TRUE	Sys Record City:	
Removed Date:	Jan 1 2014 12: 00AM	Sys Record Prov E:	
Withdrawn Date:	Jan 1 2014 12: 00AM	Sys Record Prov F:	
Temp Withdrawn Dt:		Sys Record PO BOX:	
Tank Use E:		Sys Rec Postal Cd:	
Tank Use F:		System Rec Same as:	TRUE
Year of Manufact:		Location Latitude:	
Emerg Plan Same as:	FALSE	Location Longitude:	
Operator Contact:		Creation Date:	08-Jun-2009 00:00:00
Owner Contact:		Creation By:	Section 19
Tank System City:	Orleans	Modified Date:	11-May-2010 00:00:00
Tank Sys Prov E:	Ontario	Modified By:	
Tank Use:			
Tank Manufacturer:			
Tank System Address:	1426 St. Joseph Boulevard		
Sys Record Address:			
System Descr:	Stand alone tank in the Training vehicle area		
Certification System Installer:			
Certification System Remover:			
Group Name:			
Master Group Name:			
Owner Email:			
Operator Email:			
Land Owner E:	Federal entity under Financial Administration Act		
Land Owner F:	Entité fédérale sous la loi sur la gestion des finances publiques		

Service Months

Service Months E: August
Service Months F: Août

Service Months E: April
Service Months F: Avril

Service Months E: January
Service Months F: Janvier

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Service Months E:		July			
Service Months F:		Juillet			
Service Months E:		September			
Service Months F:		Septembre			
Service Months E:		December			
Service Months F:		Décembre			
Service Months E:		November			
Service Months F:		Novembre			
Service Months E:		February			
Service Months F:		Février			
Service Months E:		May			
Service Months F:		Mai			
Service Months E:		June			
Service Months F:		Juin			
Service Months E:		October			
Service Months F:		Octobre			
Service Months E:		March			
Service Months F:		Mars			

Tanks Details

Tank ID:	13524	Dt Withdrwn Piping:	01-Jan-2014 00:00:00
Tank Capacity:	2270	Date Remvd Piping:	01-Jan-2014 00:00:00
Tank Type E:	Aboveground	Tk Type of Pump E:	No pump
Tank Type F:	Hors sol	Tk Type of Pump F:	Aucune pompe
Date of Install:		Piping Type E:	None
Date Withdrawn Tk:	01-Jan-2014 00:00:00	Piping Type F:	Aucun
Date Removed Tank:	01-Jan-2014 00:00:00	Piping Diam Unit:	inch
Tank Desc:	Stand alone tank in the Training vehicle area		
Tank Stdd No E:	ULC-S643 (withdrawn and superseded by S601)		
Tank Std No F:	ULC-S643 (retiré et remplacé par S601)		
Tank Std No Other:			
Tank Constr Material E:	Steel		
Tank Constr Material F:	Acier		
Tank Constr Material Other:			
Internal No:			
Tank Content E:	Gasoline		
Tank Content F:	Essence		
Tank Content Other:			
Piping Diameter:	0		
Spill Containment E:	Spill box at fill point (aboveground tank)		
Spill Containment F:	Boîte de confinement de déversement au site de remplissage (réservoir hors sol)		
Spill Containment Other:			
Product Transfer Area:	dyked concrete pad		
Date Withdrwn Other	01-Jan-2014 00:00:00		
Component:			
Date Removed Other	01-Jan-2014 00:00:00		
Component:			

Piping Construction Materials

Component E:	Unknown (not selectable after 2008 installation)
Component F:	Inconnu (non sélectionnable après installation de 2008)
Other:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Piping Secondary Containment</u>					
Tank ID:		13524			
Component E:		None			
Component F:		Aucun			
Other:					
<u>Tank Corrosion Protection</u>					
Component E:		Painted			
Component F:		Peinturé			
Other:					
<u>Piping Corrosion Protection</u>					
Component E:		None			
Component F:		Aucune			
Other:					
<u>Tank Leak Detection</u>					
Component E:		Visual inspection			
Component F:		Inspection visuelle			
Other:					
<u>Piping Leak Detection</u>					
Component E:		None			
Component F:		Aucun			
Other:					
<u>Sump Leak Detection</u>					
Component E:		No sump for storage tank system			
Component F:		Aucun puisard pour le système de stockage			
Other:					
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Overfill ball float valve			
Component F:		Dispositif antidébordement à bille flottante			
Other:					
14	12 of 12	SW/87.0	79.5 / 9.93	1426 St. Joseph Ottawa ON	FRST
Tank System ID:	54239			Tank Sys Prov F:	Ontario
EC No:	42903			Tank Sys PO BOX:	
Internal No:				Tank Sys Postal Cd:	
Is Perm Withdrwl:	FALSE			Sys Record City:	
Removed Date:				Sys Record Prov E:	
Withdrawn Date:				Sys Record Prov F:	
Temp Withdrawn Dt:				Sys Record PO BOX:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Use E:	Dispensing			Sys Rec Postal Cd:	
Tank Use F:	Distribution			System Rec Same as:	TRUE
Year of Manufact:	01-Jan-2015 00:00:00			Location Latitude:	
Emerg Plan Same as:	TRUE			Location Longitude:	
Operator Contact:				Creation Date:	03-Feb-2017 00:00:00
Owner Contact:				Creation By:	Tina Butter
Tank System City:	Ottawa			Modified Date:	07-Apr-2020 00:00:00
Tank Sys Prov E:	Ontario			Modified By:	
Tank Use:					
Tank Manufacturer:	DTE Industries				
Tank System Address:	1426 St. Joseph				
Sys Record Address:					
System Descr:	On- Ottawa; TPOF 411; above ground tank; 1345 L capacity; diesel; used for refuelling speciality vehicles				
Certification System Installer:	PM3 & OBT1 – FSC – 2005 – 00749171				
Certification System Remover:					
Group Name:					
Master Group Name:					
Owner Email:					
Operator Email:					
Land Owner E:	Federal entity under Financial Administration Act				
Land Owner F:	Entité fédérale sous la loi sur la gestion des finances publiques				

Service Months

Service Months E:	August
Service Months F:	Août
Service Months E:	September
Service Months F:	Septembre
Service Months E:	May
Service Months F:	Mai
Service Months E:	December
Service Months F:	Décembre
Service Months E:	July
Service Months F:	Juillet
Service Months E:	March
Service Months F:	Mars
Service Months E:	April
Service Months F:	Avril
Service Months E:	February
Service Months F:	Février
Service Months E:	October
Service Months F:	Octobre
Service Months E:	June
Service Months F:	Juin
Service Months E:	November
Service Months F:	Novembre
Service Months E:	January
Service Months F:	Janvier

Tanks Details

Tank ID:	89856	Dt Withdrwn Piping:	
Tank Capacity:	1345	Date Remvd Piping:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Type E:	Aboveground			Tk Type of Pump E:	No oil-water separator
Tank Type F:	Hors sol			Tk Type of Pump F:	Aucun Séparateur huile-eau
Date of Install:	2017			Piping Type E:	Aboveground
Date Withdrawn Tk:				Piping Type F:	Hors sol
Date Removed Tank:				Piping Diam Unit:	inch
Tank Desc:					
Tank Stdd No E:	ULC-S601				
Tank Std No F:	ULC-S601				
Tank Std No Other:					
Tank Constr Material E:	Steel				
Tank Constr Material F:	Acier				
Tank Constr Material Other:					
Internal No:	03-N-010-000-06				
Tank Content E:	Diesel				
Tank Content F:	Diesel				
Tank Content Other:					
Piping Diameter:	2				
Spill Containment E:	Aboveground tank ULC-S663 (superses ORD-C142.19)				
Spill Containment F:	Réservoir hors sol ULC S663 (remplace ORD-C142.19)				
Spill Containment Other:					
Product Transfer Area:	Diked or curbed area and SOP (environmental emergency response plan)				
Date Wthdrwn Other Component:					
Date Removed Other Component:					
<u>Piping Construction Materials</u>					
Component E:	Steel				
Component F:	Acier				
Other:					
<u>Piping Secondary Containment</u>					
Tank ID:	89856				
Component E:	None				
Component F:	Aucun				
Other:					
<u>Tank Corrosion Protection</u>					
Component E:	Painted				
Component F:	Peinturé				
Other:					
<u>Piping Corrosion Protection</u>					
Component E:	Painted				
Component F:	Peinturé				
Other:					
<u>Tank Leak Detection</u>					
Component E:	Interstitial monitoring – double walled tank				
Component F:	Surveillance interstitielle- réservoir à double paroi				
Other:					
<u>Tank Leak Detection</u>					
Component E:	Visual inspection				
Component F:	Inspection visuelle				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Other:</i>					
<u>Piping Leak Detection</u>					
Component E:		Visual inspection			
Component F:		Inspection visuelle			
Other:					
<u>Sump Leak Detection</u>					
Component E:		No sump for storage tank system			
Component F:		Aucun puisard pour le système de stockage			
Other:					
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Method – trained personnel in attendance at all times			
Component F:		Méthode - Personels qualifiés présents en tout temps			
Other:					

[15](#) 1 of 1 **SE/94.9** **80.5 / 10.96** **1510 St. Joseph Boulevard
Orleans (Ottawa) ON K1C 7L1** **EHS**

Order No:	20110209013	Nearest Intersection:	Forest Valley Drive
Status:	C	Municipality:	Orleans (Ottawa)
Report Type:	Standard Report	Client Prov/State:	ON
Report Date:	2/14/2011	Search Radius (km):	0.25
Date Received:	2/9/2011 11:35:52 AM	X:	-75.55904
Previous Site Name:		Y:	45.459382
Lot/Building Size:	Building only		
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

[16](#) 1 of 1 **W/99.7** **78.6 / 9.01** **1501 St. Joseph, Ottawa
Ottawa ON** **FCS**

SGC:	3506008
Site ID:	00022878
Departmental ID:	
Depart Code:	NCC
Class Type:	2
Class:	Medium Priority for Action
Site Name:	1501 St. Joseph, Ottawa
Site Name (FR):	1501 St. Joseph, Ottawa
Site Status:	Closed
Site Status Desc:	Classification completed. No further action required.
Site Status (FR):	Fermé
Description (FR):	Classification terminée. Aucune autre mesure requise.
Involv Code:	
Census Division:	
Municipality:	Ottawa
Census Sub Class:	
Latitude:	45.460512
Longitude:	-75.563249

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Location:					
Protected Data:					
FED:			076		
Fed Electoral District:			Orléans		
Fed Electoral District (FR):			Orléans		
Metro:					
Nearest Pop. Area:					
Highest Step Cmpltd:			6		
Site Deleted Flag:					
Created:			2008-06-19T08:25:00		
Modified:			2023-05-18T08:25:02.977		
Property No.:			74034		
Est m³ Contmnted:			52.5		
Est Ha Contmnted:					
Est Tons Contamin:					
Est Population at 1 Km:			583		
Est Population at 5 Km:			98,072		
Est Population at 10 Km:			338,834		
Est Population at 25 Km:			1,072,261		
Est Population at 50 Km:			1,415,596		
Reporting Org:			National Capital Commission		
Reporting Org (FR):			Commission de la Capitale nationale		
Reason for Involv:			Federal Real Property		
Reason for Involv (FR):			Biens immobiliers fédéraux		
Liabile Third Party:					
Class (FR):			Priorité d'intervention moyenne		
Action Plan:					
Action Plan (FR):					
Site Mgmt Strategy:			Additional assessment, Remediation		
Minimap URL:			https://www.tbs-sct.gc.ca/fcsi-rscf/minimap.aspx?fsi=00022878		
Additional Info:					
Additional Info (FR):					
PFAS on Site:					
<u>Management</u>					
Management Code:			2		
Management Type (EN):			Remediation		
Management Type (FR):			Restauration		
Management Code:			5		
Management Type (EN):			Additional assessment		
Management Type (FR):			Évaluation complémentaire		
<u>Contamination</u>					
Contaminant:			PAHs (polycyclic aromatic hydrocarbon)		
Contamination (FR):			HAP (hydrocarbures aromatiques polycycliques)		
Medium Code:			2		
Medium:			Groundwater		
Medium (FR):			Eau souterraine		
Contaminant:			PHCs (petroleum hydrocarbons)		
Contamination (FR):			HCP (hydrocarbures pétroliers)		
Medium Code:			5		
Medium:			Soil		
Medium (FR):			Sol		
Contaminant:			BTEXs (benzene, toluene, ethylbenzene, and xylene)		
Contamination (FR):			BTEX (benzène, toluène, éthylbenzène, xylène)		
Medium Code:			2		
Medium:			Groundwater		
Medium (FR):			Eau souterraine		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant:				PHCs (petroleum hydrocarbons)	
Contamination (FR):				HCP (hydrocarbures pétroliers)	
Medium Code:				2	
Medium:				Groundwater	
Medium (FR):				Eau souterraine	

Annual Data

Fiscal Year: 2011-2012
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0
Actual Hectares Rem: 0
Actual Tons Remediated: 0
Total Asmt Expenditure: \$0.00
Total Remediation Expenditure: \$0.00
Total Care/Maint Expenditur: \$0.00
Total Mntring Expenditure: \$0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: \$0.00
FCSAP Remed Expenditure: \$0.00
FCSAP Care/Maint Expenditur: \$0.00
FCSAP Mntring Expenditure: \$0.00

Annual Data

Fiscal Year: 2012-2013
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Actual Hectares Rem:	0				
Actual Tons Remediated:	0				
Total Asmt Expenditure:	\$0.00				
Total Remediation Expenditure:	\$0.00				
Total Care/Maint Expenditur:	\$0.00				
Total Mntring Expenditure:	\$0.00				
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:	\$0.00				
FCSAP Remed Expenditure:	\$0.00				
FCSAP Care/Maint Expenditur:	\$0.00				
FCSAP Mntring Expenditure:	\$0.00				

Annual Data

Fiscal Year: 2013-2014
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0
Actual Hectares Rem: 0
Actual Tons Remediated: 0
Total Asmt Expenditure: \$0.00
Total Remediation Expenditure: \$0.00
Total Care/Maint Expenditur: \$0.00
Total Mntring Expenditure: \$0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: \$0.00
FCSAP Remed Expenditure: \$0.00
FCSAP Care/Maint Expenditur: \$0.00
FCSAP Mntring Expenditure: \$0.00

Annual Data

Fiscal Year: 2018-2019
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Planned Compl Date Step9:

Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0
Actual Hectares Rem: 0
Actual Tons Remediated: 0
Total Asmt Expenditure: \$0.00
Total Remediation Expenditure: \$0.00
Total Care/Maint Expenditur: \$0.00
Total Mntring Expenditure: \$0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: \$0.00
FCSAP Remed Expenditure: \$0.00
FCSAP Care/Maint Expenditur: \$0.00
FCSAP Mntring Expenditure: \$0.00

Annual Data

Fiscal Year: 2016-2017
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0
Actual Hectares Rem: 0
Actual Tons Remediated: 0
Total Asmt Expenditure: \$0.00
Total Remediation Expenditure: \$0.00
Total Care/Maint Expenditur: \$0.00
Total Mntring Expenditure: \$0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: \$0.00
FCSAP Remed Expenditure: \$0.00
FCSAP Care/Maint Expenditur: \$0.00
FCSAP Mntring Expenditure: \$0.00

Annual Data

Fiscal Year: 2014-2015
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:	06				
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:	No				
Actual Cubic Metres Rem:	0				
Actual Hectares Rem:	0				
Actual Tons Remediated:	0				
Total Asmt Expenditure:	\$0.00				
Total Remediation Expenditure:	\$0.00				
Total Care/Maint Expenditur:	\$0.00				
Total Mntring Expenditure:	\$0.00				
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:	\$0.00				
FCSAP Remed Expenditure:	\$0.00				
FCSAP Care/Maint Expenditur:	\$0.00				
FCSAP Mntring Expenditure:	\$0.00				
 <u>Annual Data</u>					
Fiscal Year: 2017-2018					
Reporting Organization: NCC					
Reporting Organization (EN): National Capital Commission					
Reporting Organization (FR): Commission de la Capitale nationale					
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:	06				
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:	No				
Actual Cubic Metres Rem:	0				
Actual Hectares Rem:	0				
Actual Tons Remediated:	0				
Total Asmt Expenditure:	\$0.00				
Total Remediation Expenditure:	\$0.00				
Total Care/Maint Expenditur:	\$0.00				
Total Mntring Expenditure:	\$0.00				
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:	\$0.00				
FCSAP Remed Expenditure:	\$0.00				
FCSAP Care/Maint Expenditur:	\$0.00				
FCSAP Mntring Expenditure:	\$0.00				
 <u>Annual Data</u>					
Fiscal Year: 2015-2016					
Reporting Organization: NCC					
Reporting Organization (EN): National Capital Commission					

<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>
Reporting Organization (FR):		Commission de la Capitale nationale			
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:	06				
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:	No				
Actual Cubic Metres Rem:	0				
Actual Hectares Rem:	0				
Actual Tons Remediated:	0				
Total Asmt Expenditure:	\$0.00				
Total Remediation Expenditure:	\$0.00				
Total Care/Maint Expenditur:	\$0.00				
Total Mntring Expenditure:	\$0.00				
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:	\$0.00				
FCSAP Remed Expenditure:	\$0.00				
FCSAP Care/Maint Expenditur:	\$0.00				
FCSAP Mntring Expenditure:	\$0.00				
 Annual Data					
Fiscal Year:		2020-2021			
Reporting Organization:		NCC			
Reporting Organization (EN):		National Capital Commission			
Reporting Organization (FR):		Commission de la Capitale nationale			
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:	06				
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:	No				
Actual Cubic Metres Rem:	0				
Actual Hectares Rem:	0				
Actual Tons Remediated:	0				
Total Asmt Expenditure:	\$0.00				
Total Remediation Expenditure:	\$0.00				
Total Care/Maint Expenditur:	\$0.00				
Total Mntring Expenditure:	\$0.00				
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:	\$0.00				
FCSAP Remed Expenditure:	\$0.00				
FCSAP Care/Maint Expenditur:	\$0.00				
FCSAP Mntring Expenditure:	\$0.00				

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

Fiscal Year: 2019-2020
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0
Actual Hectares Rem: 0
Actual Tons Remediated: 0
Total Asmt Expenditure: \$0.00
Total Remediation Expenditure: \$0.00
Total Care/Maint Expenditur: \$0.00
Total Mntring Expenditure: \$0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: \$0.00
FCSAP Remed Expenditure: \$0.00
FCSAP Care/Maint Expenditur: \$0.00
FCSAP Mntring Expenditure: \$0.00

Annual Data

Fiscal Year: 2021-2022
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0
Actual Hectares Rem: 0
Actual Tons Remediated: 0
Total Asmt Expenditure: \$0.00
Total Remediation Expenditure: \$0.00
Total Care/Maint Expenditur: \$0.00
Total Mntring Expenditure: \$0.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: \$0.00
FCSAP Remed Expenditure: \$0.00
FCSAP Care/Maint Expenditur: \$0.00
FCSAP Mntring Expenditure: \$0.00

Annual Data

Fiscal Year: 2022-2023
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: Yes
Actual Cubic Metres Rem: 0
Actual Hectares Rem: 0
Actual Tons Remediated: 0
Total Asmt Expenditure: \$0.00
Total Remediation Expenditure: \$0.00
Total Care/Maint Expenditur: \$0.00
Total Mntring Expenditure: \$0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: \$0.00
FCSAP Remed Expenditure: \$0.00
FCSAP Care/Maint Expenditur: \$0.00
FCSAP Mntring Expenditure: \$0.00

Annual Data

Fiscal Year: 2009-2010
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Actual Hectares Rem:	0				
Actual Tons Remediated:	0				
Total Asmt Expenditure:	\$0.00				
Total Remediation Expenditure:	\$0.00				
Total Care/Maint Expenditur:	\$0.00				
Total Mntring Expenditure:	\$0.00				
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:	\$0.00				
FCSAP Remed Expenditure:	\$0.00				
FCSAP Care/Maint Expenditur:	\$0.00				
FCSAP Mntring Expenditure:	\$0.00				

Annual Data

Fiscal Year: 2008-2009
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0
Actual Hectares Rem: 0
Actual Tons Remediated: 0
Total Asmt Expenditure: \$0.00
Total Remediation Expenditure: \$0.00
Total Care/Maint Expenditur: \$0.00
Total Mntring Expenditure: \$0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: \$0.00
FCSAP Remed Expenditure: \$0.00
FCSAP Care/Maint Expenditur: \$0.00
FCSAP Mntring Expenditure: \$0.00

Annual Data

Fiscal Year: 2010-2011
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Planned Compl Date Step9:

Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0
Actual Hectares Rem: 0
Actual Tons Remediated: 0
Total Asmt Expenditure: \$0.00
Total Remediation Expenditure: \$0.00
Total Care/Maint Expenditur: \$0.00
Total Mntring Expenditure: \$0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: \$0.00
FCSAP Remed Expenditure: \$0.00
FCSAP Care/Maint Expenditur: \$0.00
FCSAP Mntring Expenditure: \$0.00

Annual Data

Fiscal Year: 2007-2008
Reporting Organization: NCC
Reporting Organization (EN): National Capital Commission
Reporting Organization (FR): Commission de la Capitale nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0
Actual Hectares Rem: 4.6758
Actual Tons Remediated: 0
Total Asmt Expenditure: \$0.00
Total Remediation Expenditure: \$0.00
Total Care/Maint Expenditur: \$0.00
Total Mntring Expenditure: \$0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: \$0.00
FCSAP Remed Expenditure: \$0.00
FCSAP Care/Maint Expenditur: \$0.00
FCSAP Mntring Expenditure: \$0.00

Historic Details

Census Division: Ottawa
Census Sub Class: 1
Protected Data: 0
Liable Third Party:
Metro:
Nearest Pop. Area:

Location:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	1 of 1	S/110.9	78.6 / 8.99	GRANT GOSSELIN QUARRY GLOUCESTER ON	AMIS
Abandoned Mine ID:	07668			Prog Rehab Plan:	NO
AMIS Distr Code:				Revegetation:	
Site Access Code:				Veg Condition:	
Old MDI ID:	UNAVAILABLE			Veg Desc:	
New MDI ID:	MDI31G05NE00054			Chemical Doc:	
Mine Status:	ABANDONED			Jurisdiction:	MINING ACT
Mine Plan/Section:	UNK			Lot No:	10
Site Class:	D			Concession:	1
Clos Reason Code:				Zone:	18
Closure Plan:	UNK			Northing:	5034073
Prim Commod Code:				Easting:	456177
Primary Commodity:	LIMESTONE (BUILDING STONES)			Mine Closure Reaso:	UNKNOWN
Operational Access:	N/A			AMIS District:	TWEED
Date Entered:	6/25/2018			District Desc:	TWEED
Date Last Modified:	8/7/2018			Animal Desc:	
Effective Date:				Status Type Code:	
Start Year:				Long Name:	
End Year:				NTS No:	31G05NE
Evid of Site Conta:				Latitude:	45.45881
Evid of Sulphide:				Longitude:	-75.56051
Evid Animals Pres:					
Mine Features Desc:					
Progressive Rehab Status:	NOT REHABILITATED				
AMIS Bkgd Info:	QUARRY CIRCA 1923-24; COMMODITY: LIMESTONE				
Alternate Name:	SITE COORDINATES ARE BASED ON LOCATION OF MD1 - MD131G05NE00054. GRANT BROTHERS; GRANT				
AMIS Features					
Feature ID:	93843			UTM Zone:	18
Date Entered:	6/25/2018			UTM Northing:	5034073
Date Last Modified:	6/25/2018			UTM Easting:	456177
AMIS District:	TWEED			Feature W:	
Longitude DD:	-75.56051			Feature L:	
Latitude DD:	45.45881			Feature D/H:	
Feature Hazard Status:	ACTIVE				
Official Name:	GRANT GOSSELIN QUARRY				
Jurisdiction:	MINING ACT				
MNDM Township:	GLOUCESTER				
Closure Plan:	UNK				
Primary Commodity:	LIMESTONE (BUILDING STONES)				
Mine Feature Class:	FEATURE TO SURFACE				
Mine Feature Type:	QUARRY				
Mine Feature Condition:	UNKNOWN DIMENSIONS **Note: Many records provided by the department have a truncated [Mine Feature Condition] field.				
Hyperlinks:	https://www.geologyontario.mndm.gov.on.ca/mndmfiles/amis/data/records/07668.html				
18	1 of 1	S/111.2	78.6 / 8.99	Grant Brothers ON	MNR
MDI No:	MDI31G05NE00054			Twp Area:	Gloucester
OGF ID:				Dep Class:	
Deposit Status:				Zone:	
Claim Map:				Easting:	
Geological Dstrct:	Southern Ontario			Northing:	
Mining Division:				Effective Dt/time:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Name:	Grant Brothers			Date Last Modified:	
Primary Commodity:	LIMESTONE (BUILDING STONE)			Geo Update Dt/time:	
Secondary Commodity:				Class Sub Type No:	
Latitude:	45.458808			Status:	Occurrence
Longitude:	-75.560509				
Class Sub Type:					
Source Map:					
Detail:	https://www.geologyontario.mines.gov.on.ca/persistent-linking?mineral-inventory=MDI31G05NE00054				
All Names:	Grant Brothers				
Access Description:	N/A				

[19](#) 1 of 1 SW/126.0 78.8 / 9.29 ON **BORE**

Borehole ID:	615330	Inclin FLG:	No
OGF ID:	215516272	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	MAR-1972	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:	Not Used	Township:	
Sec. Water Use:		Latitude DD:	45.458613
Total Depth m:	4.5	Longitude DD:	-75.562126
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	456051
Drill Method:	Power auger	Northing:	5034052
Orig Ground Elev m:	78.5	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	77.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218401188	Mat Consistency:	Stiff
Top Depth:	.3	Material Moisture:	
Bottom Depth:	3.7	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	CLAY. BROWN,VERY STIFF TO STIFF, WEATHERED.		

Geology Stratum ID:	218401187	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	.3	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Unknown	Geologic Formation:	
Material 2:	Soil	Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED.		

Geology Stratum ID:	218401189	Mat Consistency:	Compact
Top Depth:	3.7	Material Moisture:	
Bottom Depth:	4.5	Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Silt	Geologic Formation:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	Sand Till			Geologic Group: Geologic Period: Depositional Gen:	
		SILT. COMPACT. 00120 030 T.N,GREY,SOFT. CLAY. SOFT. 00000 055 00015 060 0002 **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Source					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972 H			Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
	Urban Geology Automated Information System (UGAIS) File: OTTAWA2.txt RecordID: 078380 NTS_Sheet: 31G05H Logged by professional. Exact and complete description of material and properties.				
Source List					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
	Urban Geology Automated Information System (UGAIS) Geological Survey of Canada				
20	1 of 1	WSW/126.2	82.9 / 13.32	lot 10 con 1 ON	WWIS
Well ID: Construction Date: Use 1st: Use 2nd: Final Well Status: Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:	1500721 Public 0 Water Supply			Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 04/15/1959 TRUE 1802 1 OTTAWA-CARLETON 010 01 OF
	GLOUCESTER TOWNSHIP				
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500721.pdf				
Additional Detail(s) (Map)					
Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: Point X: Point Y:	04/08/1959 1959 67.056 45.4594257661798 -75.5630299347252 -75.56302977293299 45.459425759221375				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:		150\1500721.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10022764			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	455980.70
Code OB Desc:				North83:	5034143.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	04/08/1959			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m				
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:	930990042				
Layer:	2				
Color:					
General Color:					
Material 1:	17				
Material 1 Desc:	SHALE				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	20.0				
Formation End Depth:	220.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	930990041				
Layer:	1				
Color:					
General Color:					
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	20.0				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:	961500721				
Method Construction Code:	7				
Method Construction:	Diamond				
Other Method Construction:					

<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>Pipe Information</u>					
Pipe ID:		10571334			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930038425			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		220.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930038424			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		24.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991500721			
Pump Set At:					
Static Level:		104.0			
Final Level After Pumping:		130.0			
Recommended Pump Depth:					
Pumping Rate:		20.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933453260			
Layer:		1			
Kind Code:		2			
Kind:		SALTY			
Water Found Depth:		218.0			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	1 of 6	NE/127.1	56.9 / -12.68	MacEwen Petroleum Inc. 1705 St-Joseph Blvd Orleans ON	FRST
Tank System ID:	40829			Tank Sys Prov F:	Ontario
EC No:	40829			Tank Sys PO BOX:	
Internal No:				Tank Sys Postal Cd:	
Is Perm Withdrtl:	FALSE			Sys Record City:	
Removed Date:				Sys Record Prov E:	
Withdrawn Date:				Sys Record Prov F:	
Temp Withdrawn Dt:				Sys Record PO BOX:	
Tank Use E:	Dispensing			Sys Rec Postal Cd:	
Tank Use F:	Distribution			System Rec Same as:	TRUE
Year of Manufact:				Location Latitude:	
Emerg Plan Same as:	TRUE			Location Longitude:	
Operator Contact:				Creation Date:	11-Jul-2016 00:00:00
Owner Contact:				Creation By:	Section 19
Tank System City:	Orleans			Modified Date:	11-Jul-2016 00:00:00
Tank Sys Prov E:	Ontario			Modified By:	
Tank Use:					
Tank Manufacturer:					
Tank System Address:	1705 St-Joseph Blvd				
Sys Record Address:					
System Descr:	DTE Industries s / n D421 1345L Double wall Tank				
Certification System Installer:					
Certification System Remover:					
Group Name:	MacEwen Petroleum Inc.				
Master Group Name:	MacEwen Petroleum Inc.				
Owner Email:					
Operator Email:					
Land Owner E:	Federal entity under Financial Administration Act				
Land Owner F:	Entité fédérale sous la loi sur la gestion des finances publiques				

Service Months

Service Months E:	January
Service Months F:	Janvier
Service Months E:	September
Service Months F:	Septembre
Service Months E:	December
Service Months F:	Décembre
Service Months E:	August
Service Months F:	Août
Service Months E:	March
Service Months F:	Mars
Service Months E:	October
Service Months F:	Octobre
Service Months E:	November
Service Months F:	Novembre
Service Months E:	April
Service Months F:	Avril
Service Months E:	May
Service Months F:	Mai
Service Months E:	June
Service Months F:	Juin

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Service Months E:		July			
Service Months F:		Juillet			
Service Months E:		February			
Service Months F:		Février			

Tanks Details

Tank ID:	69847	Dt Withdrwn Piping:	
Tank Capacity:	1340	Date Remvd Piping:	
Tank Type E:	Aboveground	Tk Type of Pump E:	Not centrifugal
Tank Type F:	Hors sol	Tk Type of Pump F:	N'est pas centrifuge
Date of Install:	2015	Piping Type E:	Aboveground
Date Withdrawn Tk:		Piping Type F:	Hors sol
Date Removed Tank:		Piping Diam Unit:	mm
Tank Desc:	Bard s/n A10347044, 1340L Double wall Tank		
Tank Stdd No E:	ULC-C142.5		
Tank Std No F:	ULC-C142.5		
Tank Std No Other:			
Tank Constr Material E:	Steel		
Tank Constr Material F:	Acier		
Tank Constr Material Other:			
Internal No:			
Tank Content E:	Gasoline		
Tank Content F:	Essence		
Tank Content Other:			
Piping Diameter:	50		
Spill Containment E:	Spill box at fill point (aboveground tank)		
Spill Containment F:	Boîte de confinement de déversement au site de remplissage (réservoir hors sol)		
Spill Containment Other:			
Product Transfer Area:	spill box at fill point (above ground tank)		
Date Withdrwn Other Component:			
Date Removed Other Component:			

Piping Construction Materials

Component E:	Steel
Component F:	Acier
Other:	

Piping Secondary Containment

Tank ID:	69847
Component E:	None
Component F:	Aucun
Other:	

Tank Corrosion Protection

Component E:	Painted
Component F:	Peinturé
Other:	

Piping Corrosion Protection

Component E:	Painted
Component F:	Peinturé
Other:	

Tank Leak Detection

Component E: Interstitial monitoring – double walled tank
Component F: Surveillance interstitielle- réservoir à double paroi
Other:

Piping Leak Detection

Component E: None
Component F: Aucun
Other:

Sump Leak Detection

Component E: None
Component F: Aucun
Other:

Tank Secondary Containment

Component E: Double Walled
Component F: Double paroi
Other:

Tank Overflow Protection

Component E: Method – trained personnel in attendance at all times
Component F: Méthode - Personels qualifiés présents en tout temps
Other:

Tanks Details

Tank ID:	69848	Dt Withdrwn Piping:	
Tank Capacity:	1345	Date Remvd Piping:	
Tank Type E:	Aboveground	Tk Type of Pump E:	Not centrifugal
Tank Type F:	Hors sol	Tk Type of Pump F:	N'est pas centrifuge
Date of Install:	2016	Piping Type E:	Aboveground
Date Withdrawn Tk:		Piping Type F:	Hors sol
Date Removed Tank:		Piping Diam Unit:	mm
Tank Desc:			
Tank Stdd No E:	ULC-C142.5		
Tank Std No F:	ULC-C142.5		
Tank Std No Other:			
Tank Constr Material E:	Steel		
Tank Constr Material F:	Acier		
Tank Constr Material Other:			
Internal No:			
Tank Content E:	Diesel		
Tank Content F:	Diesel		
Tank Content Other:			
Piping Diameter:	50		
Spill Containment E:	Spill box at fill point (aboveground tank)		
Spill Containment F:	Boîte de confinement de déversement au site de remplissage (réservoir hors sol)		
Spill Containment Other:			
Product Transfer Area:	Spill box at fill point (above ground tank)		
Date Withdrwn Other Component:			
Date Removed Other Component:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Piping Construction Materials</u>					
Component E:		Steel			
Component F:		Acier			
Other:					
<u>Piping Secondary Containment</u>					
Tank ID:		69848			
Component E:		None			
Component F:		Aucun			
Other:					
<u>Tank Corrosion Protection</u>					
Component E:		Painted			
Component F:		Peinturé			
Other:					
<u>Piping Corrosion Protection</u>					
Component E:		Painted			
Component F:		Peinturé			
Other:					
<u>Tank Leak Detection</u>					
Component E:		Interstitial monitoring – double walled tank			
Component F:		Surveillance interstitielle- réservoir à double paroi			
Other:					
<u>Piping Leak Detection</u>					
Component E:		None			
Component F:		Aucun			
Other:					
<u>Sump Leak Detection</u>					
Component E:		None			
Component F:		Aucun			
Other:					
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>Tank Overflow Protection</u>					
Component E:		Method – trained personnel in attendance at all times			
Component F:		Méthode - Personels qualifiés présents en tout temps			
Other:					
21	2 of 6	NE/127.1	56.9 / -12.68	White Sands Golf and Practice Centre 1705 St Joseph Blvd Orleans ON K1C 7L1	GEN

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

Generator No: ON4856635
Approval Years: As of Jul 2020
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 212 L
Waste Class Name: Aliphatic solvents and residues

Waste Detail(s)

Waste Class: 252 L
Waste Class Name: Waste crankcase oils and lubricants

21	3 of 6	NE/127.1	56.9 / -12.68	1292485 Ontario Inc.,(Orleans Golf Academy) 1705 St. Joseph Blvd., Orleans Ottawa ON	PTTW
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EBR Registry No: IA04E1589
Ministry Ref No: ER-8101-664HK5
Notice Type: Instrument Decision
Section:
Notice Stage:
Act 1:
Act 2:

Decision Posted:
Exception Posted:
Bulletin Posted:
Appeal Posted:
Notice Date: June 23, 2005
Proposal Date: November 10, 2004
Year: 2004

Site Location Map:
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: 1292485 Ontario Inc.,(Orleans Golf Academy)
Site Address:
Location Other:
Proponent Name:
Proponent Address: 2 - 395 Avenue Daly, Ottawa Ontario, K1N 6H1
Comment Period:
URL:
Summary:

Site Location Details:

1705 St. Joseph Blvd., Orleans Ottawa

21	4 of 6	NE/127.1	56.9 / -12.68	1292485 Ontario Inc. White Sands Golf Course and Practice Centre 1705 St. Joseph Boulevard, Lots 8, 9 and 10, Concession 1, On Ottawa River, City of Ottawa CITY OF OTTAWA ON	PTTW
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EBR Registry No: 011-3730
Ministry Ref No: 7638-8HDK92

Decision Posted:
Exception Posted:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Notice Type: Instrument Decision Section: Notice Stage: Act 1: Act 2: Site Location Map: Instrument Type: (OWRA s. 34) - Permit to Take Water Off Instrument Name: Posted By: Company Name: 1292485 Ontario Inc. Site Address: Location Other: Proponent Name: Proponent Address: 395 Daly avenue , Unit 2, Ottawa Ontario, Canada K1N 6H1 Comment Period: URL: Summary: Site Location Details: White Sands Golf Course and Practice Centre 1705 St. Joseph Boulevard, Lots 8, 9 and 10, Concession 1, On Ottawa River, City of Ottawa CITY OF OTTAWA					
21	5 of 6	NE/127.1	56.9 / -12.68	1292485 Ontario Inc. ON	PTTW
EBR Registry No: 012-3979 Ministry Ref No: 5252-9VRQ33 Notice Type: Instrument Decision Section: Notice Stage: Act 1: Act 2: Site Location Map: Instrument Type: (OWRA s. 34) - Permit to Take Water Off Instrument Name: Posted By: Company Name: 1292485 Ontario Inc. Site Address: Location Other: Proponent Name: Proponent Address: 395 Daly avenue , Unit 2, Ottawa Ontario, Canada K1N 6H1 Comment Period: URL: Summary: Site Location Details: White Sands Golf Course and Practice Centre Address: 1705 St. Joseph Blvd Lots 8, 9 and 10, Concession 1, On Ottawa River, Ottawa, City District Office: Ottawa GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 1-10 metres eg. Good Quality GPS, Method: Map, UTM Easting: 456525, UTM Northing: 5034540, , Site #: 7331-65VLDE GLOUCESTER					

21	6 of 6	NE/127.1	56.9 / -12.68	1292485 Ontario Inc. 1705 St. Joseph Boulevard Ottawa, ON Canada ON	PTTW
EBR Registry No: 025-0540 Ministry Ref No: 2513-DGMH2S Notice Type: Instrument Decision Posted: October 23, 2025 Exception Posted: Bulletin Posted:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Section:	Section 34			Appeal Posted:	
Notice Stage:	Decision			Notice Date:	
Act 1:	Ontario Water Resources Act, R.S.O. 1990			Proposal Date:	May 23, 2025
Act 2:	Ontario Water Resources Act			Year:	2025
Site Location Map:	45.461159,-75.551112				
Instrument Type:	Permit to take water				
Off Instrument Name:	Permit to Take Water (OWRA s. 34)				
Posted By:	Ministry of the Environment, Conservation and Parks				
Company Name:					
Site Address:	1705 St. Joseph Boulevard Ottawa, ON Canada				
Location Other:					
Proponent Name:	1292485 Ontario Inc.				
Proponent Address:	1292485 Ontario Inc. Unit 2 - 395 Daly Avenue Ottawa, ON K1N 6H1 Canada				
Comment Period:	May 23, 2025 - June 22, 2025 (30 days) Closed				
URL:	https://ero.ontario.ca/notice/025-0540				
Summary:	The Permit to Take Water No. 3083-DLTN2S was issued to 1292485 Ontario Inc. on September 25, 2025, to renew the Permit No. 0728-9XBRHZ. Water will be taken from one pond for golf course irrigation purposes, located in the City of Ottawa, Ontario.				

Site Location Details:

22	1 of 1	WSW/130.9	82.6 / 13.01	lot 10 con 1 ON	WWIS
Well ID:	1500720			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Public			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	08/05/1958
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	1603
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	010
Depth to Bedrock:				Concession:	01
Well Depth:				Concession Name:	OF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	GLOUCESTER TOWNSHIP				
Site Info:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500720.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/04/1958
Year Completed:	1958
Depth (m):	43.5864
Latitude:	45.4594254509433
Longitude:	-75.5630938842395

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Point X:			-75.56309372128192		
Point Y:			45.459425444178656		
Path:			150\1500720.pdf		

Bore Hole Information

Bore Hole ID:	10022763	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	455975.70
Code OB Desc:		North83:	5034143.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	07/04/1958	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	930990040
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	143.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	930990039
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID:	961500720
Method Construction Code:	1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10571333			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930038422			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		110.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930038423			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		143.0			
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:		991500720			
Pump Set At:					
Static Level:		96.0			
Final Level After Pumping:		110.0			
Recommended Pump Depth:					
Pumping Rate:		4.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		4			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933453259			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		143.0			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB																																																																																
23	1 of 1	WSW/137.8	82.6 / 13.01	lot 10 con 1 ON	WWIS																																																																																
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		10.0			
Formation End Depth:		175.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930990043			
Layer:		1			
Color:					
General Color:					
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		13			
Material 2 Desc:		BOULDERS			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		10.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930990045			
Layer:		3			
Color:		8			
General Color:		BLACK			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		175.0			
Formation End Depth:		176.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961500722			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10571335			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Casing ID: 930038426
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 15.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930038427
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 176.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991500722
Pump Set At:
Static Level: 115.0
Final Level After Pumping: 176.0
Recommended Pump Depth: 150.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933453261
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 176.0
Water Found Depth UOM: ft

24	1 of 1	WSW/138.1	82.6 / 13.01	ON	BORE
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Borehole ID:	615336	Inclin FLG:	No
OGF ID:	215516278	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	NOV-1960	Municipality:	
Static Water Level:		Lot:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.459239
Total Depth m:	53.6			Longitude DD:	-75.563092
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	455976
Drill Method:				Northing:	5034122
Orig Ground Elev m:	79.2			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	80.3				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218401207	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	3	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:	Boulders	Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	CLAY.		
Geology Stratum ID:	218401208	Mat Consistency:	
Top Depth:	3	Material Moisture:	
Bottom Depth:	53.3	Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Limestone	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	LIMESTONE. GREY.		
Geology Stratum ID:	218401209	Mat Consistency:	Compact
Top Depth:	53.3	Material Moisture:	
Bottom Depth:	53.6	Material Texture:	
Material Color:	Black	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. BLACK. 00176D. SILT. COMPACT. 00120 030 T.N,GREY,SOFT. CLAY. SOFT.		

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Iden:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:		Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 07844 NTS_Sheet:		
Confiden 1:			

Source List

Source Identifier:	1	Horizontal Datum:	NAD27
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

[25](#) 1 of 1 **SSE/154.9** **80.6 / 11.05** **lot 10 con 1 ON** **WWIS**

Well ID:	1500717	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Public	Data Entry Status:	
Use 2nd:	Domestic	Data Src:	1
Final Well Status:	Water Supply	Date Received:	02/15/1950
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:		Contractor:	1107
Tag:		Form Version:	1
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	010
Depth to Bedrock:		Concession:	01
Well Depth:		Concession Name:	OF
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500717.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/24/1949
Year Completed:	1949
Depth (m):	115.2144
Latitude:	45.4586323531481
Longitude:	-75.5596325951072
Point X:	-75.55963243285996
Point Y:	45.45863234622457
Path:	150\1500717.pdf

Bore Hole Information

Bore Hole ID:	10022760	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	456245.70
Code OB Desc:		North83:	5034053.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	11/24/1949	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930990030			
Layer:		1			
Color:					
General Color:					
Material 1:		02			
Material 1 Desc:		TOPSOIL			
Material 2:		09			
Material 2 Desc:		MEDIUM SAND			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		2.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930990031			
Layer:		2			
Color:		3			
General Color:		BLUE			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		2.0			
Formation End Depth:		53.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930990032			
Layer:		3			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		53.0			
Formation End Depth:		378.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961500717			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10571330			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930038416
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 53.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930038417
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 378.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991500717
Pump Set At:
Static Level: 1.0
Final Level After Pumping: 126.0
Recommended Pump Depth: 200.0
Pumping Rate: 40.0
Flowing Rate:
Recommended Pump Rate: 40.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 8
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933453256
Layer: 1
Kind Code: 2
Kind: SALTY
Water Found Depth: 378.0
Water Found Depth UOM: ft

26 1 of 1 SSE/155.5 80.6 / 11.05 ON BORE

Borehole ID: 615331 Incl FLG: No
OGF ID: 215516273 SP Status: Initial Entry

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	NOV-1949			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.458626
Total Depth m:	115			Longitude DD:	-75.559632
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	456246
Drill Method:				Northing:	5034052
Orig Ground Elev m:	79.2			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	87.1				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218401191			Mat Consistency:	
Top Depth:	.6			Material Moisture:	
Bottom Depth:	16.2			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:	218401190			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.6			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Soil			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SOIL.				
Geology Stratum ID:	218401192			Mat Consistency:	Compact
Top Depth:	16.2			Material Moisture:	
Bottom Depth:	115			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LIMESTONE. 00378STIFF, WEATHERED. SILT. COMPACT. 00120 030 T.N,GREY,SOFT. CLAY.				
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 07839 NTS_Sheet:				
Confiden 1:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

27	1 of 1	SE/166.0	82.6 / 13.01	1510 St Joseph Blvd Ottawa ON K1C 7L1	EHS
Order No:	25042301824			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	28-APR-25			Search Radius (km):	.25
Date Received:	23-APR-25			X:	-75.5586304
Previous Site Name:				Y:	45.4588083
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				

28	1 of 1	SSE/171.2	81.9 / 12.37	1510 ST. JOSEPH BLVD ORLEANS ON	WWIS
Well ID:	1536773			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Not Used			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Other			Date Received:	10/27/2006
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z52500			Contractor:	7260
Tag:				Form Version:	3
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	GLOUCESTER TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536773.pdf				

Additional Detail(s) (Map)

Well Completed Date:	08/03/2006
Year Completed:	2006
Depth (m):	106.68
Latitude:	45.4585618692509
Longitude:	-75.5593210927007
Point X:	-75.55932093046644
Point Y:	45.45856186195088
Path:	153\1536773.pdf

Bore Hole Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Location Method Desc: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	11691867			Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	
		08/03/2006		18 456270.00 5034045.00 UTM83 3 margin of error : 10 - 30 m wwr	
		on Water Well Record			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: Layer: Color: General Color: Material 1: Material 1 Desc: Material 2: Material 2 Desc: Material 3: Material 3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:					
		933070906			
		1			
		12			
		STONES			
		0.0			
		106.68000030517578			
		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:					
		933286554			
		1			
		0.0			
		9.140000343322754			
		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:					
		933286557			
		4			
		39.619998931884766			
		60.959999084472656			
		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:					
		933286555			
		2			
		9.140000343322754			
		30.479999542236328			
		m			
<u>Annular Space/Abandonment</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Sealing Record</u>					
Plug ID:		933286556			
Layer:		3			
Plug From:		30.479999542236328			
Plug To:		39.619998931884766			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933286558			
Layer:		5			
Plug From:		60.959999084472656			
Plug To:		76.19999694824219			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961536773			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11696733			
Casing No:		1			
Comment:					
Alt Name:					
<u>Hole Diameter</u>					
Hole ID:		11755435			
Diameter:		15.239999771118164			
Depth From:		0.0			
Depth To:		106.68000030517578			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

29 1 of 1 **SSE/197.6** **81.1 / 11.54** **lot 10 con 1 ON** **WWIS**

Well ID:	7271616	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:		Data Entry Status:	Yes
Use 2nd:		Data Src:	
Final Well Status:		Date Received:	09/19/2016
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	M05070	Contractor:	6894
Tag:		Form Version:	5
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	010
Depth to Bedrock:		Concession:	01
Well Depth:		Concession Name:	OF
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	

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

Additional Detail(s) (Map)

Bore Hole ID:	1006246703	Tag No:	
Depth (m):		Contractor:	6894
Year Completed:		Latitude:	45.4580900689354
Well Completed Dt:		Longitude:	-75.5600838417441
Audit No:	M05070	Point Y:	45.458090062160586
Path:		Point X:	-75.56008367987947

Bore Hole Information

Bore Hole ID:	1006246703	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	456210.00
Code OB Desc:		North83:	5033993.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	5
Date Completed:		UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

<u>30</u>	1 of 25	S/287.5	82.8 / 13.27	GVT OF CAN-PUBLIC WORKS BUILD SERV LAND ENGINEERING TEST ESTABLISHMENT 1426 ST. JOSEPH BLVD. GLOUCESTER ON K1A 0R2	GEN
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Generator Info

Generator No:	ON0144747	Choice of Contact:	
Approval Years:	89,90	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	8111
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	DEFENCE SERVICES		

Waste Detail(s)

Waste Class: 269
Waste Class Name: NON-HALOGENATED PESTICIDES

Waste Detail(s)

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:			253		
Waste Class Name:			EMULSIFIED OILS		
<u>Waste Detail(s)</u>					
Waste Class:			264		
Waste Class Name:			PHOTOPROCESSING WASTES		
<u>Waste Detail(s)</u>					
Waste Class:			112		
Waste Class Name:			ACID WASTE - HEAVY METALS		
<u>Waste Detail(s)</u>					
Waste Class:			122		
Waste Class Name:			ALKALINE WASTES - OTHER METALS		
<u>Waste Detail(s)</u>					
Waste Class:			145		
Waste Class Name:			PAINT/PIGMENT/COATING RESIDUES		
<u>Waste Detail(s)</u>					
Waste Class:			242		
Waste Class Name:			HALOGENATED PESTICIDES		
<u>Waste Detail(s)</u>					
Waste Class:			212		
Waste Class Name:			ALIPHATIC SOLVENTS		
<u>Waste Detail(s)</u>					
Waste Class:			221		
Waste Class Name:			LIGHT FUELS		
<u>Waste Detail(s)</u>					
Waste Class:			241		
Waste Class Name:			HALOGENATED SOLVENTS		
<u>Waste Detail(s)</u>					
Waste Class:			251		
Waste Class Name:			OIL SKIMMINGS & SLUDGES		
<u>Waste Detail(s)</u>					
Waste Class:			213		
Waste Class Name:			PETROLEUM DISTILLATES		
<u>Waste Detail(s)</u>					
Waste Class:			146		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		OTHER SPECIFIED INORGANICS			
<u>Waste Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		267			
Waste Class Name:		ORGANIC ACIDS			

30	2 of 25	S/287.5	82.8 / 13.27	GVT(OUT OF BUS) 16-277 LAND ENGINEERING TEST ESTABLISMENT 1426 ST. JOSEPH BLVD. GLOUCESTER ON K1A 0R2	GEN
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Generator Info

Generator No:	ON0144747	Choice of Contact:	
Approval Years:	92,93,95,96,97	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	8111
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	DEFENCE SERVICES		

Waste Detail(s)

Waste Class:	221
Waste Class Name:	LIGHT FUELS

Waste Detail(s)

Waste Class:	241
Waste Class Name:	HALOGENATED SOLVENTS

Waste Detail(s)

Waste Class:	242
Waste Class Name:	HALOGENATED PESTICIDES

Waste Detail(s)

Waste Class:	211
Waste Class Name:	AROMATIC SOLVENTS

Waste Detail(s)

Waste Class:	251
Waste Class Name:	OIL SKIMMINGS & SLUDGES

Waste Detail(s)

Waste Class:	252
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		WASTE OILS & LUBRICANTS			
<u>Waste Detail(s)</u>					
Waste Class:		253			
Waste Class Name:		EMULSIFIED OILS			
<u>Waste Detail(s)</u>					
Waste Class:		264			
Waste Class Name:		PHOTOPROCESSING WASTES			
<u>Waste Detail(s)</u>					
Waste Class:		112			
Waste Class Name:		ACID WASTE - HEAVY METALS			
<u>Waste Detail(s)</u>					
Waste Class:		267			
Waste Class Name:		ORGANIC ACIDS			
<u>Waste Detail(s)</u>					
Waste Class:		269			
Waste Class Name:		NON-HALOGENATED PESTICIDES			
<u>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		122			
Waste Class Name:		ALKALINE WASTES - OTHER METALS			
<u>Waste Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
<u>Waste Detail(s)</u>					
Waste Class:		146			
Waste Class Name:		OTHER SPECIFIED INORGANICS			
<u>Waste Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>30</u>	3 of 25	S/287.5	82.8 / 13.27	GVT OF CAN-PUBLIC WORKS BUILD SERV16-277 LAND ENGINEERING TEST ESTABLISMENT 1426 ST. JOSEPH BLVD.	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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GLOUCESTER ON K1A 0R2

Generator Info

Generator No:	ON0144747	Choice of Contact:	
Approval Years:	94	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	8111
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	DEFENCE SERVICES		

Waste Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Detail(s)

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Waste Detail(s)

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Detail(s)

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Detail(s)

Waste Class: 242
Waste Class Name: HALOGENATED PESTICIDES

Waste Detail(s)

Waste Class: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Detail(s)

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Detail(s)

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Detail(s)

Waste Class: 253

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		EMULSIFIED OILS			
<u>Waste Detail(s)</u>					
Waste Class:		264			
Waste Class Name:		PHOTOPROCESSING WASTES			
<u>Waste Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>Waste Detail(s)</u>					
Waste Class:		146			
Waste Class Name:		OTHER SPECIFIED INORGANICS			
<u>Waste Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		267			
Waste Class Name:		ORGANIC ACIDS			
<u>Waste Detail(s)</u>					
Waste Class:		269			
Waste Class Name:		NON-HALOGENATED PESTICIDES			

30	4 of 25	S/287.5	82.8 / 13.27	PUBLIC WORKS CANADA (OUT OF BUSINESS) LAND ENGINEERING TEST ESTABLISHMENT 1426 ST. JOSEPH BOULEVARD GLOUCESTER ON K1A 0R2	GEN
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Generator Info

Generator No:	ON0144747	Choice of Contact:	
Approval Years:	98	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	8111
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	DEFENCE SERVICES		

Waste Detail(s)

Waste Class: 122

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		ALKALINE WASTES - OTHER METALS			
<u>Waste Detail(s)</u>					
Waste Class:		269			
Waste Class Name:		NON-HALOGENATED PESTICIDES			
<u>Waste Detail(s)</u>					
Waste Class:		112			
Waste Class Name:		ACID WASTE - HEAVY METALS			
<u>Waste Detail(s)</u>					
Waste Class:		221			
Waste Class Name:		LIGHT FUELS			
<u>Waste Detail(s)</u>					
Waste Class:		146			
Waste Class Name:		OTHER SPECIFIED INORGANICS			
<u>Waste Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		241			
Waste Class Name:		HALOGENATED SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>Waste Detail(s)</u>					
Waste Class:		242			
Waste Class Name:		HALOGENATED PESTICIDES			
<u>Waste Detail(s)</u>					
Waste Class:		253			
Waste Class Name:		EMULSIFIED OILS			
<u>Waste Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			

<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>Waste Detail(s)</u>					
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
<u>Waste Detail(s)</u>					
Waste Class:		267			
Waste Class Name:		ORGANIC ACIDS			
<u>Waste Detail(s)</u>					
Waste Class:		264			
Waste Class Name:		PHOTOPROCESSING WASTES			
<u>Waste Detail(s)</u>					
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
30	5 of 25	S/287.5	82.8 / 13.27	ROYAL CANADIAN MOUNTED POLICE 1426 ST. JOSEPH BLVD. GLOUCESTER ON K1A 0R2	GEN
<u>Generator Info</u>					
Generator No:	ON0283155			Choice of Contact:	
Approval Years:	95,96			Contaminated Fac:	
Status:				MHSW Facility:	
PO Box No:				SIC Code:	8123
Country:					
Co Admin:					
Phone No Admin:					
SIC Description:		POLICE SERVICES			
<u>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>Waste Detail(s)</u>					
Waste Class:		241			
Waste Class Name:		HALOGENATED SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Waste Detail(s)</u>					
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			

30	6 of 25	S/287.5	82.8 / 13.27	ROYAL CANADIAN MOUNTED POLICE 1426 ST. JOSEPH BOULEVARD GLOUCESTER ON K1A 0R2	GEN
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Generator Info

Generator No:	ON0283155	Choice of Contact:	
Approval Years:	97	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	8123
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	POLICE SERVICES		

Waste Detail(s)

Waste Class:	241
Waste Class Name:	HALOGENATED SOLVENTS

Waste Detail(s)

Waste Class:	251
Waste Class Name:	OIL SKIMMINGS & SLUDGES

Waste Detail(s)

Waste Class:	212
Waste Class Name:	ALIPHATIC SOLVENTS

Waste Detail(s)

Waste Class:	112
Waste Class Name:	ACID WASTE - HEAVY METALS

Waste Detail(s)

Waste Class:	114
Waste Class Name:	OTHER INORGANIC ACID WASTES

Waste Detail(s)

Waste Class:	121
Waste Class Name:	ALKALINE WASTES - HEAVY METALS

Waste Detail(s)

Waste Class:	122
Waste Class Name:	ALKALINE WASTES - OTHER METALS

Waste Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
			145		
			PAINT/PIGMENT/COATING RESIDUES		
<u>Waste Detail(s)</u>					
			213		
			PETROLEUM DISTILLATES		
<u>Waste Detail(s)</u>					
			252		
			WASTE OILS & LUBRICANTS		
<u>Waste Detail(s)</u>					
			211		
			AROMATIC SOLVENTS		

30	7 of 25	S/287.5	82.8 / 13.27	GVT. OF CAN. - R.C.M.P. 1426 ST. JOSEPH BOULEVARD GLOUCESTER ON K1A 0R2	GEN
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Generator Info

Generator No:	ON0283155	Choice of Contact:	
Approval Years:	98,99,00,01	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	8123
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	POLICE SERVICES		

Waste Detail(s)

Waste Class:	122
Waste Class Name:	ALKALINE WASTES - OTHER METALS

Waste Detail(s)

Waste Class:	112
Waste Class Name:	ACID WASTE - HEAVY METALS

Waste Detail(s)

Waste Class:	114
Waste Class Name:	OTHER INORGANIC ACID WASTES

Waste Detail(s)

Waste Class:	121
Waste Class Name:	ALKALINE WASTES - HEAVY METALS

Waste Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
<u>Waste Detail(s)</u>					
Waste Class:		146			
Waste Class Name:		OTHER SPECIFIED INORGANICS			
<u>Waste Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>Waste Detail(s)</u>					
Waste Class:		241			
Waste Class Name:		HALOGENATED SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
<u>Waste Detail(s)</u>					
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			

30	8 of 25	S/287.5	82.8 / 13.27	GVT. OF CAN. - R.C.M.P. - GRC 1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON K1A 0R2	GEN
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Generator Info

Generator No: ON0283155
Approval Years: 02,03,04,05,06,07,08
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

Waste Detail(s)

Waste Class: 321

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		EXPLOSIVE MANUFACTURING WASTES			
<u>Waste Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>Waste Detail(s)</u>					
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
<u>Waste Detail(s)</u>					
Waste Class:		253			
Waste Class Name:		EMULSIFIED OILS			
<u>Waste Detail(s)</u>					
Waste Class:		221			
Waste Class Name:		LIGHT FUELS			
<u>Waste Detail(s)</u>					
Waste Class:		241			
Waste Class Name:		HALOGENATED SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		243			
Waste Class Name:		PCB'S			
<u>Waste Detail(s)</u>					
Waste Class:		231			
Waste Class Name:		LATEX WASTES			
<u>Waste Detail(s)</u>					
Waste Class:		262			
Waste Class Name:		DETERGENTS/SOAPS			
<u>Waste Detail(s)</u>					
Waste Class:		122			
Waste Class Name:		ALKALINE WASTES - OTHER METALS			
<u>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			

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

Waste Class: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Detail(s)

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Detail(s)

Waste Class: 114
Waste Class Name: OTHER INORGANIC ACID WASTES

Waste Detail(s)

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Detail(s)

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Detail(s)

Waste Class: 211
Waste Class Name: AROMATIC SOLVENTS

30	9 of 25	S/287.5	82.8 / 13.27	GOV'T. OF CANADA - R.C.M.P. 1426 ST. JOSEPH BOULEVARD CUMBERLAND TWP. ON K1A 0R2	GEN
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Generator Info

Generator No:	ON0283161	Choice of Contact:	
Approval Years:	97	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	8123
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	POLICE SERVICES		

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

30	10 of 25	S/287.5	82.8 / 13.27	GVT. OF CAN. - R.C.M.P. 1426 ST. JOSEPH BOULEVARD CUMBERLAND TWP. ON K1A 0R2	GEN
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Generator Info</u>					
Generator No:	ON0283161			Choice of Contact:	
Approval Years:	98,99,00,01,02,03,04			Contaminated Fac:	
Status:				MHSW Facility:	
PO Box No:				SIC Code:	8123
Country:					
Co Admin:					
Phone No Admin:					
SIC Description:	POLICE SERVICES				
<u>Waste Detail(s)</u>					
Waste Class:	122				
Waste Class Name:	ALKALINE WASTES - OTHER METALS				
<u>Waste Detail(s)</u>					
Waste Class:	264				
Waste Class Name:	PHOTOPROCESSING WASTES				
<u>Waste Detail(s)</u>					
Waste Class:	112				
Waste Class Name:	ACID WASTE - HEAVY METALS				
<u>Waste Detail(s)</u>					
Waste Class:	213				
Waste Class Name:	PETROLEUM DISTILLATES				
<u>Waste Detail(s)</u>					
Waste Class:	263				
Waste Class Name:	ORGANIC LABORATORY CHEMICALS				

<u>30</u>	11 of 25	S/287.5	82.8 / 13.27	GVT. OF CAN. - R.C.M.P.- GRC 1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON	GEN
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Generator Info

Generator No:	ON0283155			Choice of Contact:	
Approval Years:	2009			Contaminated Fac:	
Status:				MHSW Facility:	
PO Box No:				SIC Code:	911230
Country:					
Co Admin:					
Phone No Admin:					
SIC Description:	Federal Police Services				

Waste Detail(s)

Waste Class:	251				
Waste Class Name:	OIL SKIMMINGS & SLUDGES				

Waste Detail(s)

<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>
Waste Class:			241		
Waste Class Name:			HALOGENATED SOLVENTS		
<u>Waste Detail(s)</u>					
Waste Class:			213		
Waste Class Name:			PETROLEUM DISTILLATES		
<u>Waste Detail(s)</u>					
Waste Class:			243		
Waste Class Name:			PCBS		
<u>Waste Detail(s)</u>					
Waste Class:			122		
Waste Class Name:			ALKALINE WASTES - OTHER METALS		
<u>Waste Detail(s)</u>					
Waste Class:			112		
Waste Class Name:			ACID WASTE - HEAVY METALS		
<u>Waste Detail(s)</u>					
Waste Class:			221		
Waste Class Name:			LIGHT FUELS		
<u>Waste Detail(s)</u>					
Waste Class:			231		
Waste Class Name:			LATEX WASTES		
<u>Waste Detail(s)</u>					
Waste Class:			212		
Waste Class Name:			ALIPHATIC SOLVENTS		
<u>Waste Detail(s)</u>					
Waste Class:			114		
Waste Class Name:			OTHER INORGANIC ACID WASTES		
<u>Waste Detail(s)</u>					
Waste Class:			121		
Waste Class Name:			ALKALINE WASTES - HEAVY METALS		
<u>Waste Detail(s)</u>					
Waste Class:			252		
Waste Class Name:			WASTE OILS & LUBRICANTS		
<u>Waste Detail(s)</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
<u>Waste Detail(s)</u>					
Waste Class:		146			
Waste Class Name:		OTHER SPECIFIED INORGANICS			
<u>Waste Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		253			
Waste Class Name:		EMULSIFIED OILS			
<u>Waste Detail(s)</u>					
Waste Class:		262			
Waste Class Name:		DETERGENTS/SOAPS			

<u>30</u>	12 of 25	S/287.5	82.8 / 13.27	GVT. OF CAN. - R.C.M.P.- GRC 1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON	GEN
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Generator Info

Generator No:	ON0283155	Choice of Contact:	
Approval Years:	2010	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	911230
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	Federal Police Services		

Waste Detail(s)

Waste Class:	145
Waste Class Name:	PAINT/PIGMENT/COATING RESIDUES

Waste Detail(s)

Waste Class:	211
Waste Class Name:	AROMATIC SOLVENTS

Waste Detail(s)

Waste Class:	241
Waste Class Name:	HALOGENATED SOLVENTS

Waste Detail(s)

Waste Class:	112
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		ACID WASTE - HEAVY METALS			
<u>Waste Detail(s)</u>					
Waste Class:		231			
Waste Class Name:		LATEX WASTES			
<u>Waste Detail(s)</u>					
Waste Class:		121			
Waste Class Name:		ALKALINE WASTES - HEAVY METALS			
<u>Waste Detail(s)</u>					
Waste Class:		243			
Waste Class Name:		PCBS			
<u>Waste Detail(s)</u>					
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
<u>Waste Detail(s)</u>					
Waste Class:		146			
Waste Class Name:		OTHER SPECIFIED INORGANICS			
<u>Waste Detail(s)</u>					
Waste Class:		122			
Waste Class Name:		ALKALINE WASTES - OTHER METALS			
<u>Waste Detail(s)</u>					
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
<u>Waste Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>Waste Detail(s)</u>					
Waste Class:		221			
Waste Class Name:		LIGHT FUELS			
<u>Waste Detail(s)</u>					
Waste Class:		253			
Waste Class Name:		EMULSIFIED OILS			
<u>Waste Detail(s)</u>					
Waste Class:		114			
Waste Class Name:		OTHER INORGANIC ACID WASTES			

<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>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		262			
Waste Class Name:		DETERGENTS/SOAPS			

30	13 of 25	S/287.5	82.8 / 13.27	GVT. OF CAN. - R.C.M.P.- GRC 1426 ST. JOSEPH BOULEVARD BUILDING 408 OTTAWA ON	GEN
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Generator Info

Generator No:	ON0283155	Choice of Contact:	
Approval Years:	2011	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	911230
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	Federal Police Services		

Waste Detail(s)

Waste Class:	251
Waste Class Name:	OIL SKIMMINGS & SLUDGES

Waste Detail(s)

Waste Class:	212
Waste Class Name:	ALIPHATIC SOLVENTS

Waste Detail(s)

Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS

Waste Detail(s)

Waste Class:	146
Waste Class Name:	OTHER SPECIFIED INORGANICS

Waste Detail(s)

Waste Class:	114
Waste Class Name:	OTHER INORGANIC ACID WASTES

Waste Detail(s)

Waste Class:	243
Waste Class Name:	PCBS

<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>Waste Detail(s)</u>					
<i>Waste Class:</i>			241		
<i>Waste Class Name:</i>			HALOGENATED SOLVENTS		
<u>Waste Detail(s)</u>					
<i>Waste Class:</i>			122		
<i>Waste Class Name:</i>			ALKALINE WASTES - OTHER METALS		
<u>Waste Detail(s)</u>					
<i>Waste Class:</i>			253		
<i>Waste Class Name:</i>			EMULSIFIED OILS		
<u>Waste Detail(s)</u>					
<i>Waste Class:</i>			211		
<i>Waste Class Name:</i>			AROMATIC SOLVENTS		
<u>Waste Detail(s)</u>					
<i>Waste Class:</i>			262		
<i>Waste Class Name:</i>			DETERGENTS/SOAPS		
<u>Waste Detail(s)</u>					
<i>Waste Class:</i>			112		
<i>Waste Class Name:</i>			ACID WASTE - HEAVY METALS		
<u>Waste Detail(s)</u>					
<i>Waste Class:</i>			121		
<i>Waste Class Name:</i>			ALKALINE WASTES - HEAVY METALS		
<u>Waste Detail(s)</u>					
<i>Waste Class:</i>			213		
<i>Waste Class Name:</i>			PETROLEUM DISTILLATES		
<u>Waste Detail(s)</u>					
<i>Waste Class:</i>			221		
<i>Waste Class Name:</i>			LIGHT FUELS		
<u>Waste Detail(s)</u>					
<i>Waste Class:</i>			145		
<i>Waste Class Name:</i>			PAINT/PIGMENT/COATING RESIDUES		
<u>Waste Detail(s)</u>					
<i>Waste Class:</i>			231		
<i>Waste Class Name:</i>			LATEX WASTES		
30	14 of 25	S/287.5	82.8 / 13.27	GVT. OF CAN. - R.C.M.P.- GRC	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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1426 ST. JOSEPH BOULEVARD BUILDING 408
OTTAWA ON K1A 0R2

Generator Info

Generator No:	ON0283155	Choice of Contact:	
Approval Years:	2012	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	911230
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	Federal Police Services		

Waste Detail(s)

Waste Class: 243
Waste Class Name: PCBS

Waste Detail(s)

Waste Class: 114
Waste Class Name: OTHER INORGANIC ACID WASTES

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Detail(s)

Waste Class: 231
Waste Class Name: LATEX WASTES

Waste Detail(s)

Waste Class: 262
Waste Class Name: DETERGENTS/SOAPS

Waste Detail(s)

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

<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>Waste Class:</i> <i>Waste Class Name:</i>		221 LIGHT FUELS			
<u><i>Waste Detail(s)</i></u>					
<i>Waste Class:</i> <i>Waste Class Name:</i>		112 ACID WASTE - HEAVY METALS			
<u><i>Waste Detail(s)</i></u>					
<i>Waste Class:</i> <i>Waste Class Name:</i>		251 OIL SKIMMINGS & SLUDGES			
<u><i>Waste Detail(s)</i></u>					
<i>Waste Class:</i> <i>Waste Class Name:</i>		253 EMULSIFIED OILS			
<u><i>Waste Detail(s)</i></u>					
<i>Waste Class:</i> <i>Waste Class Name:</i>		121 ALKALINE WASTES - HEAVY METALS			
<u><i>Waste Detail(s)</i></u>					
<i>Waste Class:</i> <i>Waste Class Name:</i>		211 AROMATIC SOLVENTS			
<u><i>Waste Detail(s)</i></u>					
<i>Waste Class:</i> <i>Waste Class Name:</i>		241 HALOGENATED SOLVENTS			
<u><i>Waste Detail(s)</i></u>					
<i>Waste Class:</i> <i>Waste Class Name:</i>		146 OTHER SPECIFIED INORGANICS			
<u><i>Waste Detail(s)</i></u>					
<i>Waste Class:</i> <i>Waste Class Name:</i>		145 PAINT/PIGMENT/COATING RESIDUES			

30

15 of 25

S/287.5

82.8 / 13.27

GVT. OF CAN. - R.C.M.P.- GRC
1426 ST. JOSEPH BOULEVARD BUILDING 405
OTTAWA ON K1C 7K9

GEN

Generator Info

Generator No: ON0283155
Approval Years: As of Nov 2021
Status: Registered
PO Box No:
Country: Canada
Co Admin:
Phone No Admin:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code:

<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>
SIC Description:					
<u>Waste Detail(s)</u>					
Waste Class:			211 H		
Waste Class Name:			Aromatic solvents and residues		
<u>Waste Detail(s)</u>					
Waste Class:			114 C		
Waste Class Name:			Other inorganic acid wastes		
<u>Waste Detail(s)</u>					
Waste Class:			212 I		
Waste Class Name:			Aliphatic solvents and residues		
<u>Waste Detail(s)</u>					
Waste Class:			251 L		
Waste Class Name:			Waste oils/sludges (petroleum based)		
<u>Waste Detail(s)</u>					
Waste Class:			145 I		
Waste Class Name:			Wastes from the use of pigments, coatings and paints		
<u>Waste Detail(s)</u>					
Waste Class:			263 B		
Waste Class Name:			Misc. waste organic chemicals		
<u>Waste Detail(s)</u>					
Waste Class:			253 L		
Waste Class Name:			Emulsified oils		
<u>Waste Detail(s)</u>					
Waste Class:			212 L		
Waste Class Name:			Aliphatic solvents and residues		
<u>Waste Detail(s)</u>					
Waste Class:			113 C		
Waste Class Name:			Acid solutions - containing other metals and non-metals		
<u>Waste Detail(s)</u>					
Waste Class:			321 N		
Waste Class Name:			Wastes from the manufacture of explosives and detonation products		
<u>Waste Detail(s)</u>					
Waste Class:			231 H		
Waste Class Name:			Latex wastes		

<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>Waste Detail(s)</u>					
Waste Class:			263 I		
Waste Class Name:			Misc. waste organic chemicals		
<u>Waste Detail(s)</u>					
Waste Class:			262 L		
Waste Class Name:			Detergents and soaps		
<u>Waste Detail(s)</u>					
Waste Class:			252 L		
Waste Class Name:			Waste crankcase oils and lubricants		
<u>Waste Detail(s)</u>					
Waste Class:			121 C		
Waste Class Name:			Alkaline slutions - containing heavy metals		
<u>Waste Detail(s)</u>					
Waste Class:			331 I		
Waste Class Name:			Waste compressed gases including cylinders		
<u>Waste Detail(s)</u>					
Waste Class:			213 I		
Waste Class Name:			Petroleum distillates		
<u>Waste Detail(s)</u>					
Waste Class:			243 D		
Waste Class Name:			PCB		
<u>Waste Detail(s)</u>					
Waste Class:			213 L		
Waste Class Name:			Petroleum distillates		
<u>Waste Detail(s)</u>					
Waste Class:			213 T		
Waste Class Name:			Petroleum distillates		
<u>Waste Detail(s)</u>					
Waste Class:			112 C		
Waste Class Name:			Acid solutions - containing heavy metals		
<u>Waste Detail(s)</u>					
Waste Class:			312 P		
Waste Class Name:			Pathological wastes		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Waste Detail(s)</u>					
Waste Class:			122 C		
Waste Class Name:			Alkaline slutions - containing other metals and non-metals (not cyanide)		
<u>Waste Detail(s)</u>					
Waste Class:			148 R		
Waste Class Name:			Misc. wastes and inorganic chemicals		
<u>Waste Detail(s)</u>					
Waste Class:			146 T		
Waste Class Name:			Other specified inorganic sludges, slurries or solids		
<u>Waste Detail(s)</u>					
Waste Class:			221 I		
Waste Class Name:			Light fuels		
<u>Waste Detail(s)</u>					
Waste Class:			263 L		
Waste Class Name:			Misc. waste organic chemicals		
<u>Waste Detail(s)</u>					
Waste Class:			112 H		
Waste Class Name:			Acid solutions - containing heavy metals		

30	16 of 25	S/287.5	82.8 / 13.27	GVT. OF CAN. - R.C.M.P.- GRC 1426 ST. JOSEPH BOULEVARD BUILDING 405 OTTAWA ON K1C 7K9	GEN
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Generator Info

Generator No:	ON0283155	Choice of Contact:
Approval Years:	As of Oct 2022	Contaminated Fac:
Status:	Registered	MHSW Facility:
PO Box No:		SIC Code:
Country:	Canada	
Co Admin:		
Phone No Admin:		
SIC Description:		

Waste Detail(s)

Waste Class:	263 B
Waste Class Name:	ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Waste Class:	263 I
Waste Class Name:	ORGANIC LABORATORY CHEMICALS

Waste Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:			112 C		
Waste Class Name:			ACID WASTE - HEAVY METALS		
<u>Waste Detail(s)</u>					
Waste Class:			148 R		
Waste Class Name:			INORGANIC LABORATORY CHEMICALS		
<u>Waste Detail(s)</u>					
Waste Class:			213 T		
Waste Class Name:			PETROLEUM DISTILLATES		
<u>Waste Detail(s)</u>					
Waste Class:			121 C		
Waste Class Name:			ALKALINE WASTES - HEAVY METALS		
<u>Waste Detail(s)</u>					
Waste Class:			212 L		
Waste Class Name:			ALIPHATIC SOLVENTS		
<u>Waste Detail(s)</u>					
Waste Class:			252 L		
Waste Class Name:			WASTE OILS & LUBRICANTS		
<u>Waste Detail(s)</u>					
Waste Class:			146 T		
Waste Class Name:			OTHER SPECIFIED INORGANICS		
<u>Waste Detail(s)</u>					
Waste Class:			231 H		
Waste Class Name:			LATEX WASTES		
<u>Waste Detail(s)</u>					
Waste Class:			221 I		
Waste Class Name:			LIGHT FUELS		
<u>Waste Detail(s)</u>					
Waste Class:			243 D		
Waste Class Name:			PCBS		
<u>Waste Detail(s)</u>					
Waste Class:			145 I		
Waste Class Name:			PAINT/PIGMENT/COATING RESIDUES		
<u>Waste Detail(s)</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class Name:			114 C	OTHER INORGANIC ACID WASTES	
<u>Waste Detail(s)</u>					
Waste Class: Waste Class Name:			122 C	ALKALINE WASTES - OTHER METALS	
<u>Waste Detail(s)</u>					
Waste Class: Waste Class Name:			112 H	ACID WASTE - HEAVY METALS	
<u>Waste Detail(s)</u>					
Waste Class: Waste Class Name:			312 P	PATHOLOGICAL WASTES	
<u>Waste Detail(s)</u>					
Waste Class: Waste Class Name:			113 C	ACID WASTE - OTHER METALS	
<u>Waste Detail(s)</u>					
Waste Class: Waste Class Name:			331 I	WASTE COMPRESSED GASES	
<u>Waste Detail(s)</u>					
Waste Class: Waste Class Name:			262 L	DETERGENTS/SOAPS	
<u>Waste Detail(s)</u>					
Waste Class: Waste Class Name:			213 L	PETROLEUM DISTILLATES	
<u>Waste Detail(s)</u>					
Waste Class: Waste Class Name:			263 L	ORGANIC LABORATORY CHEMICALS	
<u>Waste Detail(s)</u>					
Waste Class: Waste Class Name:			251 L	OIL SKIMMINGS & SLUDGES	
<u>Waste Detail(s)</u>					
Waste Class: Waste Class Name:			213 I	PETROLEUM DISTILLATES	
<u>Waste Detail(s)</u>					
Waste Class:			321 N		

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
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Waste Class Name: EXPLOSIVE MANUFACTURING WASTES

Waste Detail(s)

Waste Class: 253 L
Waste Class Name: EMULSIFIED OILS

Waste Detail(s)

Waste Class: 211 H
Waste Class Name: AROMATIC SOLVENTS

Waste Detail(s)

Waste Class: 212 I
Waste Class Name: ALIPHATIC SOLVENTS

2017 Generator Info

Gen No:	ON0283155	Choice of Contact:	CO_OFFICIAL
ID:	2773	Phone No Official:	613-993-2162 Ext.
Contaminated Fac:	N	Phone No Admin:	613 843-5958 Ext.
MHSW Facility:	N	County Ont:	OTTAWA CARLTON (RM)
NAICS Code1:	911230	County Out:	
NAICS Code2:		District:	402
NAICS Code3:			
Gen Name:	GVT. OF CAN. - R.C.M.P.- GRC		
Gen Div:			
Gen Op Name:	RCMP-GRC POLICE		
Gen Op Div:			
Site Adrs1:	1426 ST. JOSEPH BOULEVARD		
Site Bldg:			
Site Pobox:			
Province In:	ONTARIO		
Site Adrs2:	BUILDING 405		
Site City:	OTTAWA		
Province Out:			
Site Postal Code:	K1C 7K9		
Site Country:	Canada		
Co Official:	Garage Manager		
Co Admin:	Meaghan Ferguson		

2017 Generator Manifest

ID:	12889	Sum Received Qty:	15155.0
Generator No:	ON0283155	Waste Class Name:	OIL SKIMMINGS & SLUDGES
Receiver Type:	035	Count Manifests:	3
Waste Char:	L	District:	402
Waste Code:	251		

2017 Generator Manifest

ID:	12886	Sum Received Qty:	3672.0
Generator No:	ON0283155	Waste Class Name:	OTHER SPECIFIED INORGANICS
Receiver Type:	035	Count Manifests:	3
Waste Char:	T	District:	402
Waste Code:	146		

2017 Generator Manifest

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
ID:	12888			Sum Received Qty:	29258.0
Generator No:	ON0283155			Waste Class Name:	LIGHT FUELS
Receiver Type:	035			Count Manifests:	3
Waste Char:	L			District:	402
Waste Code:	221				
<u>2017 Generator Manifest</u>					
ID:	12890			Sum Received Qty:	3948.0
Generator No:	ON0283155			Waste Class Name:	WASTE OILS & LUBRICANTS
Receiver Type:	035			Count Manifests:	5
Waste Char:	L			District:	402
Waste Code:	252				
<u>2017 Generator Manifest</u>					
ID:	12887			Sum Received Qty:	1111.0
Generator No:	ON0283155			Waste Class Name:	INORGANIC LABORATORY CHEMICALS
Receiver Type:	035			Count Manifests:	1
Waste Char:	T			District:	402
Waste Code:	148				
<u>2017 Generator Manifest</u>					
ID:	12891			Sum Received Qty:	400.0
Generator No:	ON0283155			Waste Class Name:	EMULSIFIED OILS
Receiver Type:	035			Count Manifests:	1
Waste Char:	L			District:	402
Waste Code:	253				
<u>2018 Generator Info</u>					
Gen No:	ON0283155			Choice of Contact:	CO_ADMIN
ID:	2709			Phone No Official:	613-993-2162 Ext.
Contaminated Fac:	N			Phone No Admin:	613 843-5958 Ext.
MHSW Facility:	N			County Ont:	OTTAWA CARLTON (RM)
NAICS Code1:	911230			County Out:	
NAICS Code2:				District:	402
NAICS Code3:					
Gen Name:		GVT. OF CAN. - R.C.M.P. - GRC			
Gen Div:		RCMP-GRC POLICE			
Gen Op Name:		RCMP-GRC POLICE			
Gen Op Div:		RCMP-GRC POLICE			
Site Adrs1:		1426 ST. JOSEPH BOULEVARD			
Site Bldg:					
Site Pobox:					
Province In:		ONTARIO			
Site Adrs2:		BUILDING 405			
Site City:		OTTAWA			
Province Out:					
Site Postal Code:		K1C 7K9			
Site Country:		Canada			
Co Official:		Garage Manager			
Co Admin:		Tina Butter			
<u>2018 Generator Manifest</u>					
ID:	12738			Sum Received Qty:	50.0
Generator No:	ON0283155			Waste Class Name:	ORGANIC LABORATORY CHEMICALS
Receiver Type:	035			Count Manifests:	1
Waste Char:	I			District:	402
Waste Code:	263				

<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>2018 Generator Manifest</u>					
ID:	12739			Sum Received Qty:	8000.0
Generator No:	ON0283155			Waste Class Name:	ORGANIC LABORATORY CHEMICALS
Receiver Type:	035			Count Manifests:	1
Waste Char:	L			District:	402
Waste Code:	263				
<u>2018 Generator Manifest</u>					
ID:	12737			Sum Received Qty:	3945.0
Generator No:	ON0283155			Waste Class Name:	WASTE OILS & LUBRICANTS
Receiver Type:	035			Count Manifests:	5
Waste Char:	L			District:	402
Waste Code:	252				
<u>2018 Generator Manifest</u>					
ID:	12736			Sum Received Qty:	205.0
Generator No:	ON0283155			Waste Class Name:	LIGHT FUELS
Receiver Type:	035			Count Manifests:	1
Waste Char:	I			District:	402
Waste Code:	221				
<u>2018 Generator Manifest</u>					
ID:	12735			Sum Received Qty:	9186.0
Generator No:	ON0283155			Waste Class Name:	OTHER SPECIFIED INORGANICS
Receiver Type:	035			Count Manifests:	8
Waste Char:	T			District:	402
Waste Code:	146				
<u>2019 Generator Info</u>					
Gen No:	ON0283155			Choice of Contact:	CO_ADMIN
ID:	2638			Phone No Official:	613-993-2162 Ext.
Contaminated Fac:	N			Phone No Admin:	613 843-5958 Ext.
MHSW Facility:	N			County Ont:	OTTAWA CARLTON (RM)
NAICS Code1:	911230			County Out:	
NAICS Code2:				District:	402
NAICS Code3:					
Gen Name:		GVT. OF CAN. - R.C.M.P. - GRC			
Gen Div:		RCMP-GRC POLICE			
Gen Op Name:		RCMP-GRC POLICE			
Gen Op Div:		RCMP-GRC POLICE			
Site Adrs1:		1426 ST. JOSEPH BOULEVARD			
Site Bldg:					
Site Pobox:					
Province In:		ONTARIO			
Site Adrs2:		BUILDING 405			
Site City:		OTTAWA			
Province Out:					
Site Postal Code:		K1C 7K9			
Site Country:		Canada			
Co Official:		Garage Manager			
Co Admin:		Tina Butter			
<u>2019 Generator Manifest</u>					
ID:	12388			Sum Received Qty:	885.0

<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>
Generator No:	ON0283155			Waste Class Name:	WASTE OILS & LUBRICANTS
Receiver Type:	035			Count Manifests:	1
Waste Char:	L			District:	402
Waste Code:	252				
<u>2019 Generator Manifest</u>					
ID:	12386			Sum Received Qty:	10980.0
Generator No:	ON0283155			Waste Class Name:	OTHER SPECIFIED INORGANICS
Receiver Type:	035			Count Manifests:	12
Waste Char:	T			District:	402
Waste Code:	146				
<u>2019 Generator Manifest</u>					
ID:	12385			Sum Received Qty:	180.0
Generator No:	ON0283155			Waste Class Name:	ALKALINE WASTES - OTHER METALS
Receiver Type:	035			Count Manifests:	2
Waste Char:	C			District:	402
Waste Code:	122				
<u>2019 Generator Manifest</u>					
ID:	12387			Sum Received Qty:	180.0
Generator No:	ON0283155			Waste Class Name:	ALIPHATIC SOLVENTS
Receiver Type:	035			Count Manifests:	1
Waste Char:	L			District:	402
Waste Code:	212				
<u>2020 Generator Info</u>					
Gen No:	ON0283155			Choice of Contact:	CO_ADMIN
ID:	2549			Phone No Official:	613-993-2162 Ext.
Contaminated Fac:	N			Phone No Admin:	613-790-0967 Ext.
MHSW Facility:	N			County Ont:	OTTAWA CARLTON (RM)
NAICS Code1:	911230			County Out:	
NAICS Code2:				District:	402
NAICS Code3:					
Gen Name:		GVT. OF CAN. - R.C.M.P. - GRC			
Gen Div:		RCMP-GRC POLICE			
Gen Op Name:		RCMP-GRC POLICE			
Gen Op Div:		RCMP-GRC POLICE			
Site Adrs1:		1426 ST. JOSEPH BOULEVARD			
Site Bldg:					
Site Pobox:					
Province In:		ONTARIO			
Site Adrs2:		BUILDING 405			
Site City:		OTTAWA			
Province Out:					
Site Postal Code:		K1C 7K9			
Site Country:		Canada			
Co Official:		Garage Manager			
Co Admin:		Nicole Casault			
<u>2020 Generator Manifest</u>					
ID:	11230			Sum Received Qty:	5890.0
Generator No:	ON0283155			Waste Class Name:	WASTE OILS & LUBRICANTS
Receiver Type:	035			Count Manifests:	3
Waste Char:	L			District:	402
Waste Code:	252				

<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>2020 Generator Manifest</u>					
<i>ID:</i>	11229			<i>Sum Received Qty:</i>	5888.0
<i>Generator No:</i>	ON0283155			<i>Waste Class Name:</i>	OTHER SPECIFIED INORGANICS
<i>Receiver Type:</i>	035			<i>Count Manifests:</i>	8
<i>Waste Char:</i>	T			<i>District:</i>	402
<i>Waste Code:</i>	146				
<u>2020 Generator Manifest</u>					
<i>ID:</i>	11232			<i>Sum Received Qty:</i>	20.0
<i>Generator No:</i>	ON0283155			<i>Waste Class Name:</i>	ORGANIC LABORATORY CHEMICALS
<i>Receiver Type:</i>	035			<i>Count Manifests:</i>	1
<i>Waste Char:</i>	L			<i>District:</i>	402
<i>Waste Code:</i>	263				
<u>2020 Generator Manifest</u>					
<i>ID:</i>	11231			<i>Sum Received Qty:</i>	430.0
<i>Generator No:</i>	ON0283155			<i>Waste Class Name:</i>	EMULSIFIED OILS
<i>Receiver Type:</i>	035			<i>Count Manifests:</i>	2
<i>Waste Char:</i>	L			<i>District:</i>	402
<i>Waste Code:</i>	253				
<u>2021 Generator Info</u>					
<i>Gen No:</i>	ON0283155			<i>Choice of Contact:</i>	CO_ADMIN
<i>ID:</i>	2502			<i>Phone No Official:</i>	613-993-2162 Ext.
<i>Contaminated Fac:</i>	N			<i>Phone No Admin:</i>	613-790-0967 Ext.
<i>MHSW Facility:</i>	N			<i>County Ont:</i>	OTTAWA CARLTON (RM)
<i>NAICS Code1:</i>	911230			<i>County Out:</i>	
<i>NAICS Code2:</i>				<i>District:</i>	402
<i>NAICS Code3:</i>					
<i>Gen Name:</i>	GVT. OF CAN. - R.C.M.P. - GRC				
<i>Gen Div:</i>	RCMP-GRC POLICE				
<i>Gen Op Name:</i>	RCMP-GRC POLICE				
<i>Gen Op Div:</i>	RCMP-GRC POLICE				
<i>Site Adrs1:</i>	1426 ST. JOSEPH BOULEVARD				
<i>Site Bldg:</i>					
<i>Site Pobox:</i>					
<i>Province In:</i>	ONTARIO				
<i>Site Adrs2:</i>	BUILDING 405				
<i>Site City:</i>	OTTAWA				
<i>Province Out:</i>					
<i>Site Postal Code:</i>	K1C 7K9				
<i>Site Country:</i>	Canada				
<i>Co Official:</i>	Garage Manager				
<i>Co Admin:</i>	Nicole Casault				
<u>2021 Generator Manifest</u>					
<i>ID:</i>	11298			<i>Sum Received Qty:</i>	2666.0
<i>Generator No:</i>	ON0283155			<i>Waste Class Name:</i>	WASTE OILS & LUBRICANTS
<i>Receiver Type:</i>	035			<i>Count Manifests:</i>	3
<i>Waste Char:</i>	L			<i>District:</i>	402
<i>Waste Code:</i>	252				
<u>2021 Generator Manifest</u>					
<i>ID:</i>	11297			<i>Sum Received Qty:</i>	72370.0
<i>Generator No:</i>	ON0283155			<i>Waste Class Name:</i>	OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Receiver Type:	035			Count Manifests:	6
Waste Char:	L			District:	402
Waste Code:	251				
<u>2021 Generator Manifest</u>					
ID:	11296			Sum Received Qty:	183.0
Generator No:	ON0283155			Waste Class Name:	ALIPHATIC SOLVENTS
Receiver Type:	035			Count Manifests:	1
Waste Char:	L			District:	402
Waste Code:	212				
<u>2021 Generator Manifest</u>					
ID:	11294			Sum Received Qty:	40.0
Generator No:	ON0283155			Waste Class Name:	PAINT/PIGMENT/COATING RESIDUES
Receiver Type:	035			Count Manifests:	1
Waste Char:	I			District:	402
Waste Code:	145				
<u>2021 Generator Manifest</u>					
ID:	11295			Sum Received Qty:	5275.0
Generator No:	ON0283155			Waste Class Name:	OTHER SPECIFIED INORGANICS
Receiver Type:	035			Count Manifests:	7
Waste Char:	T			District:	402
Waste Code:	146				

<u>30</u>	17 of 25	S/287.5	82.8 / 13.27	Ottawa Police Service, City of Ottawa 1426 St Joseph Blvd Ottawa ON K1C 7K9	GEN
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Generator Info

Generator No:	ON9916547	Choice of Contact:
Approval Years:	As of Oct 2022	Contaminated Fac:
Status:	Registered	MHSW Facility:
PO Box No:		SIC Code:
Country:	Canada	
Co Admin:		
Phone No Admin:		
SIC Description:		

Waste Detail(s)

Waste Class:	212 I
Waste Class Name:	ALIPHATIC SOLVENTS

<u>30</u>	18 of 25	S/287.5	82.8 / 13.27	Royal Canadian Mounted Police Technical Analysis Section 1426 St. Joseph Blvd Ottawa ON K1C 7K9	GEN
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Generator Info

Generator No:	ON8134043	Choice of Contact:
Approval Years:	As of Oct 2022	Contaminated Fac:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Registered PO Box No: Country: Canada Co Admin: Phone No Admin: SIC Description:				MHSW Facility: SIC Code:	
<u>Waste Detail(s)</u>					
Waste Class: 312 P Waste Class Name: PATHOLOGICAL WASTES					
<u>Waste Detail(s)</u>					
Waste Class: 262 L Waste Class Name: DETERGENTS/SOAPS					

30	19 of 25	S/287.5	82.8 / 13.27	RCMP Ottawa Armoury 1426 Saint Joseph Boulevard Ottawa ON	GEN
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Generator Info (as of Dec 2024)

Generator No: ON001057317
Generator Company Name: RCMP Ottawa Armoury
Street: 1426 Saint Joseph Boulevard
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K1C 7K9
Waste Class: 145 L, 112 C, 263 I, 331 I, 252 L, 146 T, 252 L, 252 I, 221 L, 212 L, 213 I, 221 I, 146 T, 112 C, 263 I, 331 I, 145 I, 252 L, 253 L

Waste Class Decoded:

145 - PAINT/PIGMENT/COATING RESIDUES; 112 - ACID WASTE - HEAVY METALS; 263 - ORGANIC LABORATORY CHEMICALS; 331 - WASTE COMPRESSED GASES; 252 - WASTE OILS & LUBRICANTS; 146 - OTHER SPECIFIED INORGANICS; 252 - WASTE OILS & LUBRICANTS; 252 - WASTE OILS & LUBRICANTS; 221 - LIGHT FUELS; 212 - ALIPHATIC SOLVENTS; 213 - PETROLEUM DISTILLATES; 221 - LIGHT FUELS; 146 - OTHER SPECIFIED INORGANICS; 112 - ACID WASTE - HEAVY METALS; 263 - ORGANIC LABORATORY CHEMICALS; 331 - WASTE COMPRESSED GASES; 145 - PAINT/PIGMENT/COATING RESIDUES; 252 - WASTE OILS & LUBRICANTS; 253 - EMULSIFIED OILS

Generator Info (as of Dec 2024)

Generator No: ON001057317
Generator Company Name: RCMP Ottawa Armoury
Street: 1426 Saint Joseph Boulevard
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K1C 7K9
Waste Class: 146 T, 112 C, 263 I, 331 I, 145 I, 252 L

Waste Class Decoded:

146 - OTHER SPECIFIED INORGANICS; 112 - ACID WASTE - HEAVY METALS; 263 - ORGANIC LABORATORY CHEMICALS; 331 - WASTE COMPRESSED GASES; 145 - PAINT/PIGMENT/COATING RESIDUES; 252 - WASTE OILS & LUBRICANTS

Generator Info (as of Apr 2025)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Generator Company Name: RCMP Ottawa Armoury
Generator Site Address: 1426 Saint Joseph Boulevard
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K1C 7K9
Waste Class: 146 T, 112 C, 263 I, 331 I, 145 I, 252 L

Waste Class Decoded:

146 - OTHER SPECIFIED INORGANICS; 112 - ACID WASTE - HEAVY METALS; 263 - ORGANIC LABORATORY CHEMICALS; 331 - WASTE COMPRESSED GASES; 145 - PAINT/PIGMENT/COATING RESIDUES; 252 - WASTE OILS & LUBRICANTS

Waste Characteristic Decoded:

T - Leachate Toxic; C - Corrosive; I - Ignitable; I - Ignitable; I - Ignitable; L - Liquid Industrial Waste

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Generator Info (as of Dec 2024)

Generator No: ON001053702
Generator Company Name: RCMP
Street: 1426 Saint Joseph Boulevard
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K1C 7K9
Waste Class: 145 L, 112 C, 263 I, 331 I, 252 L, 146 T, 252 L, 252 I, 221 L, 212 L, 213 I, 221 I, 146 T, 112 C, 263 I, 331 I, 145 I, 252 L, 253 L

Waste Class Decoded:

145 - PAINT/PIGMENT/COATING RESIDUES; 112 - ACID WASTE - HEAVY METALS; 263 - ORGANIC LABORATORY CHEMICALS; 331 - WASTE COMPRESSED GASES; 252 - WASTE OILS & LUBRICANTS; 146 - OTHER SPECIFIED INORGANICS; 252 - WASTE OILS & LUBRICANTS; 252 - WASTE OILS & LUBRICANTS; 221 - LIGHT FUELS; 212 - ALIPHATIC SOLVENTS; 213 - PETROLEUM DISTILLATES; 221 - LIGHT FUELS; 146 - OTHER SPECIFIED INORGANICS; 112 - ACID WASTE - HEAVY METALS; 263 - ORGANIC LABORATORY CHEMICALS; 331 - WASTE COMPRESSED GASES; 145 - PAINT/PIGMENT/COATING RESIDUES; 252 - WASTE OILS & LUBRICANTS; 253 - EMULSIFIED OILS

Generator Info (as of Dec 2024)

Generator No: ON001053702
Generator Company Name: RCMP
Street: 1426 Saint Joseph Boulevard
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K1C 7K9
Waste Class: 112 C, 263 I, 331 I, 252 L, 146 T, 145 L, 146 T

Waste Class Decoded:

112 - ACID WASTE - HEAVY METALS; 263 - ORGANIC LABORATORY CHEMICALS; 331 - WASTE COMPRESSED GASES; 252 - WASTE OILS & LUBRICANTS; 146 - OTHER SPECIFIED INORGANICS; 145 - PAINT/PIGMENT/COATING RESIDUES; 146 - OTHER SPECIFIED INORGANICS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Generator Info (as of Apr 2025)</u>					
Generator Company Name:	RCMP				
Generator Site Address:	1426 Saint Joseph Boulevard				
City:	Ottawa				
Province State:	Ontario				
Country:	Canada				
Postal Code:	K1C 7K9				
Waste Class:	112 C, 263 I, 331 I, 252 L, 146 T, 145 L, 146 T				
Waste Class Decoded:					
112 - ACID WASTE - HEAVY METALS; 263 - ORGANIC LABORATORY CHEMICALS; 331 - WASTE COMPRESSED GASES; 252 - WASTE OILS & LUBRICANTS; 146 - OTHER SPECIFIED INORGANICS; 145 - PAINT/PIGMENT/COATING RESIDUES; 146 - OTHER SPECIFIED INORGANICS					
Waste Characteristic Decoded:					
C - Corrosive; I - Ignitable; I - Ignitable; L - Liquid Industrial Waste; T - Leachate Toxic; L - Liquid Industrial Waste; T - Leachate Toxic					

30	21 of 25	S/287.5	82.8 / 13.27	RCMP Ottawa Post 1426 Saint Joseph Boulevard Ottawa ON	GEN
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Generator Info (as of Dec 2024)

Generator No: ON001055725
Generator Company Name: RCMP Ottawa Post
Street: 1426 Saint Joseph Boulevard
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K1C 7K9
Waste Class: 145 L, 112 C, 263 I, 331 I, 252 L, 146 T, 252 L, 252 I, 221 L, 212 L, 213 I, 221 I, 146 T, 112 C, 263 I, 331 I, 145 I, 252 L, 253 L

Waste Class Decoded:

145 - PAINT/PIGMENT/COATING RESIDUES; 112 - ACID WASTE - HEAVY METALS; 263 - ORGANIC LABORATORY CHEMICALS; 331 - WASTE COMPRESSED GASES; 252 - WASTE OILS & LUBRICANTS; 146 - OTHER SPECIFIED INORGANICS; 252 - WASTE OILS & LUBRICANTS; 252 - WASTE OILS & LUBRICANTS; 221 - LIGHT FUELS; 212 - ALIPHATIC SOLVENTS; 213 - PETROLEUM DISTILLATES; 221 - LIGHT FUELS; 146 - OTHER SPECIFIED INORGANICS; 112 - ACID WASTE - HEAVY METALS; 263 - ORGANIC LABORATORY CHEMICALS; 331 - WASTE COMPRESSED GASES; 145 - PAINT/PIGMENT/COATING RESIDUES; 252 - WASTE OILS & LUBRICANTS; 253 - EMULSIFIED OILS

Generator Info (as of Dec 2024)

Generator No: ON001055725
Generator Company Name: RCMP Ottawa Post
Street: 1426 Saint Joseph Boulevard
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K1C 7K9
Waste Class: 252 L, 252 I, 221 L, 212 L, 213 I, 221 I

Waste Class Decoded:

252 - WASTE OILS & LUBRICANTS; 252 - WASTE OILS & LUBRICANTS; 221 - LIGHT FUELS; 212 - ALIPHATIC SOLVENTS; 213 - PETROLEUM DISTILLATES; 221 - LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Generator Info (as of Apr 2025)

Generator Company Name: RCMP Ottawa Post
Generator Site Address: 1426 Saint Joseph Boulevard
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K1C 7K9
Waste Class: 252 L, 252 I, 221 L, 212 L, 213 I, 221 I

Waste Class Decoded:

252 - WASTE OILS & LUBRICANTS; 252 - WASTE OILS & LUBRICANTS; 221 - LIGHT FUELS; 212 - ALIPHATIC SOLVENTS; 213 - PETROLEUM DISTILLATES; 221 - LIGHT FUELS

Waste Characteristic Decoded:

L - Liquid Industrial Waste; I - Ignitable; L - Liquid Industrial Waste; L - Liquid Industrial Waste; I - Ignitable; I - Ignitable

30	22 of 25	S/287.5	82.8 / 13.27	RCMP - TPOF CNC Machine Shop 1426 Saint Joseph Boulevard Ottawa ON	GEN
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Generator Info (as of Dec 2024)

Generator No: ON001060463
Generator Company Name: RCMP - TPOF CNC Machine Shop
Street: 1426 Saint Joseph Boulevard
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K1C 7K9
Waste Class: 145 L, 112 C, 263 I, 331 I, 252 L, 146 T, 252 L, 252 I, 221 L, 212 L, 213 I, 221 I, 146 T, 112 C, 263 I, 331 I, 145 I, 252 L, 253 L

Waste Class Decoded:

145 - PAINT/PIGMENT/COATING RESIDUES; 112 - ACID WASTE - HEAVY METALS; 263 - ORGANIC LABORATORY CHEMICALS; 331 - WASTE COMPRESSED GASES; 252 - WASTE OILS & LUBRICANTS; 146 - OTHER SPECIFIED INORGANICS; 252 - WASTE OILS & LUBRICANTS; 252 - WASTE OILS & LUBRICANTS; 221 - LIGHT FUELS; 212 - ALIPHATIC SOLVENTS; 213 - PETROLEUM DISTILLATES; 221 - LIGHT FUELS; 146 - OTHER SPECIFIED INORGANICS; 112 - ACID WASTE - HEAVY METALS; 263 - ORGANIC LABORATORY CHEMICALS; 331 - WASTE COMPRESSED GASES; 145 - PAINT/PIGMENT/COATING RESIDUES; 252 - WASTE OILS & LUBRICANTS; 253 - EMULSIFIED OILS

Generator Info (as of Dec 2024)

Generator No: ON001060463
Generator Company Name: RCMP - TPOF CNC Machine Shop
Street: 1426 Saint Joseph Boulevard
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K1C 7K9
Waste Class: 253 L

Waste Class Decoded:

253 - EMULSIFIED OILS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Generator Info (as of Apr 2025)</u>					
Generator Company Name:	RCMP - TPOF CNC Machine Shop				
Generator Site Address:	1426 Saint Joseph Boulevard				
City:	Ottawa				
Province State:	Ontario				
Country:	Canada				
Postal Code:	K1C 7K9				
Waste Class:	253 L				
Waste Class Decoded:					
253 - EMULSIFIED OILS					
Waste Characteristic Decoded:					
L - Liquid Industrial Waste					

<u>30</u>	23 of 25	S/287.5	82.8 / 13.27	RCMP TPOF - SNC LAVALIN 1426 ST JOSEPH BLVD,,ORLÉANS,ON,K1A 0R2, CA ON	PINC
Incident Id:				Pipe Material:	
Incident No:	1494320			Fuel Category:	
Incident Reported Dt:	10/8/2014			Health Impact:	
Type:	FS-Pipeline Incident			Environment Impact:	
Status Code:				Property Damage:	
Tank Status:	Non Mandated			Service Interrupt:	
Task No:				Enforce Policy:	
Spills Action Centre:				Public Relation:	
Fuel Type:				Pipeline System:	
Fuel Occurrence Tp:				PSIG:	
Date of Occurrence:				Attribute Category:	
Occurrence Start Dt:				Regulator Location:	
Depth:				Method Details:	
Customer Acct Name:	RCMP TPOF - SNC LAVALIN				
Incident Address:	1426 ST JOSEPH BLVD,,ORLÉANS,ON,K1A 0R2,CA				
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:					
Reported By:					
Affiliation:					
Occurrence Desc:					
Damage Reason:					
Notes:					

<u>30</u>	24 of 25	S/287.5	82.8 / 13.27	ENBRIDGE GAS INC 1426 ST. JOSEPH'S BLVD,,ORLEANS,ON,K1C 7K9,CA ON	PINC
Incident Id:				Pipe Material:	
Incident No:	2948352			Fuel Category:	
Incident Reported Dt:	10/23/2020			Health Impact:	
Type:	FS-Pipeline Incident			Environment Impact:	
Status Code:				Property Damage:	
Tank Status:	Pipeline Damage Reason Est			Service Interrupt:	
Task No:				Enforce Policy:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spills Action Centre: Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: Depth: Customer Acct Name: Incident Address: Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes:					
		ENBRIDGE GAS INC			
		1426 ST. JOSEPH'S BLVD,,ORLEANS,ON,K1C 7K9,CA			
Public Relation: Pipeline System: PSIG: Attribute Category: Regulator Location: Method Details:					
30	25 of 25	S/287.5	82.8 / 13.27	1426 St. Joseph Blvd. Ottawa ON	SPL
Ref No: Year: Incident Dt: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: Site No: MOE Response: Site County/District: Site Geo Ref Meth: Site District Office: Nearest Watercourse: Site Name: Site Address: Site Region: Site Municipality: Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Entity Operating Name: Client Name: Client Type: Source Type: Incident Cause: Incident Preceding Spill: Incident Reason: Incident Summary: Environment Impact: Health Env Consequence: Nature of Impact: Contaminant Qty: Contaminant Qty 1: Contaminant Unit: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: Activity Preceding Spill:					
		8887-89RFTN			
		9/29/2010			
		10/13/2010			
		No Field Response			
		RCMP - Technical Protective Operations Facility<UNOFFICIAL>			
		Discharge or Emission to Air			
		Equipment Failure			
		SNC Lavalin: 18 KG of R22 release inside RCMP - TPOF.			
		Not Anticipated			
		18 kg			
		18			
		kg			
		38			
		REFRIGERANT GAS, R22			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Property 2nd Watershed: Property Tertiary Watershed: Sector Type: Other SAC Action Class: Air Spills - Gases and Vapours Call Report Locatn Geodata: Time Reported: System Facility Address: Source Sector Type: Conservtn Auth Name: Primary Watershed: Quaternary Watershed: Offsite Impacts Y N: Waterbody Impacted Y N:					

31 1 of 1 ESE/294.9 84.0 / 14.47 ON BORE

Borehole ID:	615335	Inclin FLG:	No
OGF ID:	215516277	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	JUL-1964	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.459095
Total Depth m:	50.3	Longitude DD:	-75.555608
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	456561
Drill Method:		Northing:	5034102
Orig Ground Elev m:	67.1	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	85.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218401206	Mat Consistency:	Compact
Top Depth:	8.8	Material Moisture:	
Bottom Depth:	50.3	Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Limestone	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	LIMESTONE. 0010000155ROCK. D. SILT. COMPACT. 00120 030 T.N,GREY,SOFT. CLAY.		

Geology Stratum ID:	218401204	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	3	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Boulders	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	BOULDERS.		

Geology Stratum ID:	218401205	Mat Consistency:	
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Top Depth:	3			Material Moisture:	
Bottom Depth:	8.8			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Stones			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		CLAY.			

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Iden:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:		Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 07843 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		

Unplottable Summary

Total: **11** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	TACO BELL OF CANADA	ST. JOSEPH BLVD., ORLEANS	GLOUCESTER CITY ON	
CA	1292485 Ontario Inc.	Concession 1, formally the township of Gloucester, part of lots 8,9,10	Ottawa ON	
CA	MALAWAY INVESTMENTS LTD.	ST. JOSEPH BLVD.	GLOUCESTER CITY ON	
CA	MALAWAY INVESTMENTS LTD.	ST. JOSEPH BLVD./PRIVATE	GLOUCESTER CITY ON	
CA	R.M. OF OTTAWA-CARLETON FOREST RIDGE P.S	ST. JOSEPH BLVD./7-1490-87-886	GLOUCESTER CITY ON	
CA	MR. ROCH CATELAIN	ST. JOSEPH BLVD.	GLOUCESTER CITY ON	
CA	MR. ROCH CATELAIN	ST. JOSEPH BLVD.	GLOUCESTER CITY ON	
CA	SOULIGNY MACKENZIE ROBERT SALON FUNERAIR	ST. JOSEPH BLVD., ORLEANS, SWM	GLOUCESTER CITY ON	
CA	GILLES GUINDON	MR. GAS ST. JOSEPH BLVD.	GLOUCESTER CITY ON	
CA	ISLAMABAD FOOD INC.	ST. JOSEPH BLVD., ORLEANS	GLOUCESTER CITY ON	
WWIS		lot 11 con 1	ON	

Unplottable Report

Site: TACO BELL OF CANADA
ST. JOSEPH BLVD., ORLEANS GLOUCESTER CITY ON

Database:
CA

Certificate #: 8-4103-94-
Application Year: 94
Issue Date: 8/5/1994
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: CONDENSATE & FRYER EXHAUST HOOD
Contaminants:
Emission Control:

Site: 1292485 Ontario Inc.
Concession 1, formally the township of Glouclester, part of lots 8,9,10 Ottawa ON

Database:
CA

Certificate #: 1338-6K9QEU
Application Year: 2008
Issue Date: 4/25/2008
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: MALAWAY INVESTMENTS LTD.
ST. JOSEPH BLVD. GLOUCESTER CITY ON

Database:
CA

Certificate #: 7-0793-85-006
Application Year: 85
Issue Date: 9/26/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: MALAWAY INVESTMENTS LTD.
ST. JOSEPH BLVD./PRIVATE GLOUCESTER CITY ON

Database:
CA

Certificate #: 3-1089-85-006

Application Year: 85
Issue Date: 9/26/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R.M. OF OTTAWA-CARLETON FOREST RIDGE P.S
ST. JOSEPH BLVD./7-1490-87-886 GLOUCESTER CITY ON

Database:
CA

Certificate #: 8-4148-89-
Application Year: 89
Issue Date: 5/14/1990
Approval Type: Industrial air
Status: Approved in 1990
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: 200 HP STANDBY DIESEL GENERATOR
Contaminants: Nitrogen Oxides
Emission Control: No Controls

Site: MR. ROCH CATELAIN
ST. JOSEPH BLVD. GLOUCESTER CITY ON

Database:
CA

Certificate #: 7-0412-85-006
Application Year: 85
Issue Date: 6/13/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: MR. ROCH CATELAIN
ST. JOSEPH BLVD. GLOUCESTER CITY ON

Database:
CA

Certificate #: 7-0411-85-006
Application Year: 85
Issue Date: 6/13/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: SOULIGNY MACKENZIE ROBERT SALON FUNERAIR
ST. JOSEPH BLVD., ORLEANS, SWM GLOUCESTER CITY ON

Database:
CA

Certificate #: 3-1599-97-
Application Year: 97
Issue Date: 11/17/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: GILLES GUINDON
MR. GAS ST. JOSEPH BLVD. GLOUCESTER CITY ON

Database:
CA

Certificate #: 7-0989-89-
Application Year: 89
Issue Date: 6/23/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ISLAMABAD FOOD INC.
ST. JOSEPH BLVD., ORLEANS GLOUCESTER CITY ON

Database:
CA

Certificate #: 8-4009-93-
Application Year: 93
Issue Date: 2/2/1993
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: KITCHEN EXHAUST HOOD
Contaminants: Odour/Fumes
Emission Control: No Controls

Site: lot 11 con 1 ON

Database:
WWIS

Well ID: 1531525
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 221663

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 11/24/2000
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119

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

Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 011
Concession: 01
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10053059
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09/13/2000
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931078767
Layer: 2
Color: 2
General Color: GREY
Material 1: 28
Material 1 Desc: SAND
Material 2: 13
Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:
Formation Top Depth: 30.0
Formation End Depth: 71.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931078766
Layer: 1
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931078768
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 71.0
Formation End Depth: 122.0
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933116696
Layer: 1
Plug From: 0.0
Plug To: 75.0
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961531525
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10601629
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930092872
Layer: 3
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930092870
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930092871
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991531525
Pump Set At:
Static Level: 42.0
Final Level After Pumping: 90.0
Recommended Pump Depth: 100.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934112970
Test Type: Draw Down
Test Duration: 15
Test Level: 90.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934914968
Test Type: Draw Down
Test Duration: 60
Test Level: 90.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934397142
Test Type: Draw Down
Test Duration: 30
Test Level: 90.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934657660
Test Type: Draw Down
Test Duration: 45
Test Level: 90.0
Test Level UOM: ft

Water Details

Water ID: 933492005
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 88.0
Water Found Depth UOM: ft

Water Details

Water ID: 933492006
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 117.0
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial [AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial [AGR](#)

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

Government Publication Date: Up to Oct 2025

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-May 2025

Anderson's Waste Disposal Sites:

Private [ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial [AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private [AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Apr 30, 2025

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 2023

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors:

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Apr 30, 2025

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 -Nov 2025

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Aug 2025

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 - Nov 30, 2025

Drill Hole Database:Provincial [DRL](#)

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Jul 2025**Delisted Fuel Tanks:**Provincial [DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Oct 2023**Environmental Activity and Sector Registry:**Provincial [EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011 - Nov 30, 2025**Environmental Registry:**Provincial [EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Nov 30, 2025**Environmental Compliance Approval:**Provincial [ECA](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011 - Nov 30, 2025**Environmental Effects Monitoring:**Federal [EEM](#)

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

Government Publication Date: 1992-2007***ERIS Historical Searches:**Private [EHS](#)

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

Government Publication Date: 1999-Nov 30, 2025**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 Offenders Registry:

Federal **EOR**

The Environmental Offenders Registry, enforced by Environment and Climate Change Canada and Parks Canada, tracks corporations convicted under specific federal environmental laws. The registry includes corporate convictions resulting from court proceedings. Court prosecutions are one of several enforcement measures used when violations or potential violations are detected. Other measures like tickets, warning letters, or compliance orders may also be employed to restore compliance. Although not affected by the Environmental Enforcement Act, convictions obtained by Environment and Climate Change Canada under the Species at Risk Act and the Pollution Prevention Provisions of the Fisheries Act are also included.

Government Publication Date: Nov 30, 2025

Environmental Penalty Annual Report:

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment, Conservation and Parks (MECP). These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2024

Excess Soil Registry:

Provincial **ESNR**

The Excess Soil Registry is made available by the Resource Productivity and Recovery Authority (RPPRA). Excess soil is soil dug up mainly during construction and excavation activities that must be removed from the development site because it cannot or will not be reused. The Minister of the Environment, Conservation and Parks directed the RPPRA to establish and maintain the Excess Soil Registry, enabling regulated parties to comply with registration and filing notice requirements, the ministry to access data, and the public to view information from those filings. From January 1, 2023, construction and development project leaders, as well as operators and owners of soil Reuse Sites, and Residential Development Soil Depot sites, must file notices detailing how excess soil is reused and disposed of in compliance with Ontario's Excess Soil Regulation.

Government Publication Date: Aug 31, 2025

List of Expired Fuels Safety Facilities:

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

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

Government Publication Date: Oct 2023

Federal Convictions:

Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Oct 2025

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FRST

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank:

Provincial

FST

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

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

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. As of January 1, 2023, businesses and institutions subject to the amended Reg. 347: General – Waste Management are required to report their activities and pay fees through Resource Productivity & Recovery Authority (RPRA) online Hazardous Waste Program Registry (HWPR) rather than the Hazardous Waste Information Network (HWIN) system previously operated by the Ministry of the Environment, Conservation and Parks (MECP). Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Mar 31, 2025

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-Feb 2025

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*

Historical Business Activity Risk:

Federal

HIST RISK

Proprietary list of sites identified as potentially having engaged in business activity that poses a higher-than-normal risk of contamination. Records originate from historical city directories, and are included in this list based on broad business categories Potentially Hazardous Chemical Users and Fuel and Automotive, including but not limited to Dry Cleaners and Fuel Stations, Garages, etc. Inclusion in this list does not indicate that there is or ever has been contamination; rather, sites are included in this list due to their potential for having engaged in a business activity presenting an elevated risk of contamination. The list was compiled from various city directories including BC Directories, Hendersons, Mights, Sun Directories, Vernons, and Wrights; spanning roughly 1920s through 1960 depending on information available by city.

This list is currently limited to sites as reported in the following provinces: Alberta, British Columbia, Saskatchewan, Manitoba, New Brunswick, Nova Scotia, Ontario, and Quebec.

Government Publication Date: 1920s - 1960

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: Oct 2023

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 31, 2022

Canadian Mine Locations:

Private

MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2025

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

The Ministry of the Environment Conservation and Parks (MECP) provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act. MECP publicly releases the Environmental Compliance Report (ECR) on the Ontario Data Catalogue. In Ontario, all facilities with regulated wastewater discharges or air emissions under the Ontario Water Resources Act and the Environmental Protection Act must monitor and report any cases where approved operating limits have been exceeded.

Government Publication Date: Dec 31, 2023

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Nov 30, 2025

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*

Notice of Contamination List:

Federal

NOC

This dataset contains Notice of Contamination (NOC) submissions reported to the Canada Energy Regulator (CER), including the most recent annual update information where applicable. Regulated companies are required to submit an NOC when contamination is identified or encountered during any phase of a facility's lifecycle and confirmed through analytical sampling, or when contamination resulting from an incident cannot be remediated within 12 weeks of being reported to the CER. Blank values in the Annual Update Year and annual update fields indicate that the site has achieved remediation closure, has been identified as third-party contamination, or was reported recently and does not yet require an annual update.

Government Publication Date: Nov, 2025

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPR2

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

Government Publication Date: Feb 2024

National Pollutant Release Inventory - Historic:

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGWE

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

Government Publication Date: 1988-Oct 31, 2025

Ontario Oil and Gas Wells:

Provincial

OOGW

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database includes well owner/operator, location, permit issue date, and well cap date, license number, status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provided for each well record.

Government Publication Date: 1800-May 2025

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 - Nov 30, 2025

Canadian Pulp and Paper:

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011 - Nov 30, 2025

Ontario PFAS Spills:

Provincial

PFAS

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

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

NPRI Reporters - PFAS Substances:

Federal

PFCH

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

Government Publication Date: Feb 2024**Potential PFAS Handlers from NPRI:**

Federal

PFHA

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

Government Publication Date: Feb 2024**Pipeline Incidents:**

Provincial

PINC

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

Government Publication Date: Feb 28, 2021**Potential PFAS Handlers from EASR:**

Provincial

PPHA

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

Government Publication Date: Jun 30, 2024**Private and Retail Fuel Storage Tanks:**

Provincial

PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996***Permit to Take Water:**

Provincial

PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Nov 30, 2025**Ontario Regulation 347 Waste Receivers Summary:**

Provincial

REC

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

Government Publication Date: 1986-1990, 1992-2021**Record of Site Condition:**

Provincial

RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004 - 31 Dec, 2025

Retail Fuel Storage Tanks:

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Apr 30, 2025

Scott's Manufacturing Directories:

Private SCT

Scott's Directories is a data bank containing information on various 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, applicable NAICS Codes, and product categories are included in this database.

Government Publication Date: 1992-Mar 2011; Feb 2025

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Oct 2025

Wastewater Discharger Registration Database:

Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

Government Publication Date: 1990-Dec 31, 2023

Anderson's Storage Tanks:

Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal TCFT

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

Government Publication Date: 1970 - Apr 2024

Variances for Abandonment of Underground Storage Tanks:

Provincial VAR

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011 - Nov 30, 2025

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Waste Management Site:

Provincial [WMS](#)

This data contains Waste Disposal Site types collected by the Ministry of Natural Resource (MNR). The new data class brings over data from the Waste Management Information System (WMIS), which is an MS Access based database used by MNR to track Waste Management Sites. This was married with the spatial data from Waste Disposal Sites where possible. Different Waste Disposal Site types collected by the Ministry of Natural Resources include: compost disposal, hazardous waste disposal, household waste disposal, industrial waste disposal, septic drying bed, septic field, sewage disposal, tile bed, and transfer station. The data is currently under development, meaning the data is currently in the process of being created by the MNR.

Government Publication Date: April 30, 2025

Water Well Information System:

Provincial [WWIS](#)

This database consists of information submitted by well contractors detailing 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. The database is provided by the Ontario Ministry of Environment, Conservation and Parks.

Government Publication Date: Jul 31, 2025

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 G

Historical Aerial Photographs



HISTORICAL AERIALS

Project Property: 1541 St Joseph Blvd Phase I
ESA

1541 St Joseph Blvd

Ottawa ON K1C 7L3

Project No: 12650439

Requested By: GHD Limited

Order No: 24082701164

Date Completed: August 29, 2024

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
2023	Maxar Technologies	10,000	
2001	National Air Photo Library	10,000	
1981	National Air Photo Library	10,000	
1951	National Air Photo Library	10,000	Best Adjacent Decade Available
1940	Decade Coverage Unavailable	10,000	

250
Meters



Year: 2023
Source: MAXAR
Scale: 10,000
Comment:

Address: 1541 St Joseph Blvd, Ottawa, ON
Approx Center: -75.5601492,45.4604685

Order No: 24082701164



250
Meters



Year: 2001
Source: NAPL
Scale: 10,000
Comment:

Address: 1541 St Joseph Blvd, Ottawa, ON
Approx Center: -75.5601492,45.4604685

Order No: 24082701164



250

Meters



Year: 1981
Source: NAPL
Scale: 10,000
Comment:

Address: 1541 St Joseph Blvd, Ottawa, ON
Approx Center: -75.5601492,45.4604685

Order No: 24082701164



250

Meters



Year: 1951

Address: 1541 St Joseph Blvd, Ottawa, ON

Order No: 24082701164

Source: NAPL

Approx Center: -75.5601492,45.4604685

Scale: 10,000

Comment: Best Adjacent Decade Available



Appendix H

Site Photographs

Site Photographs



Photo 1 View of the southern portion of the Site building, facing northeast.



Photo 2 Photo showing the reception area of the Site building.

Site Photographs



Photo 3 Photo showing two of the three hydraulic elevators in the Site building.



Photo 4 View of a typical common area within the Site building.

Site Photographs



Photo 5 View of a typical hallway in the Site building.



Photo 6 View of a typical residential unit in the Site building.

Site Photographs



Photo 7 View of a typical residential unit washroom in the Site building.



Photo 8 View of the kitchen located on the first level of the Site building.

Site Photographs



Photo 9 Photo showing the grease trap located in the kitchen of the Site building.



Photo 10 View of the staff laundry room located on the first level of the Site building.

Site Photographs



Photo 11 View of the elevator mechanical room and sump on the first level of the Site building, lighting was non-operational.

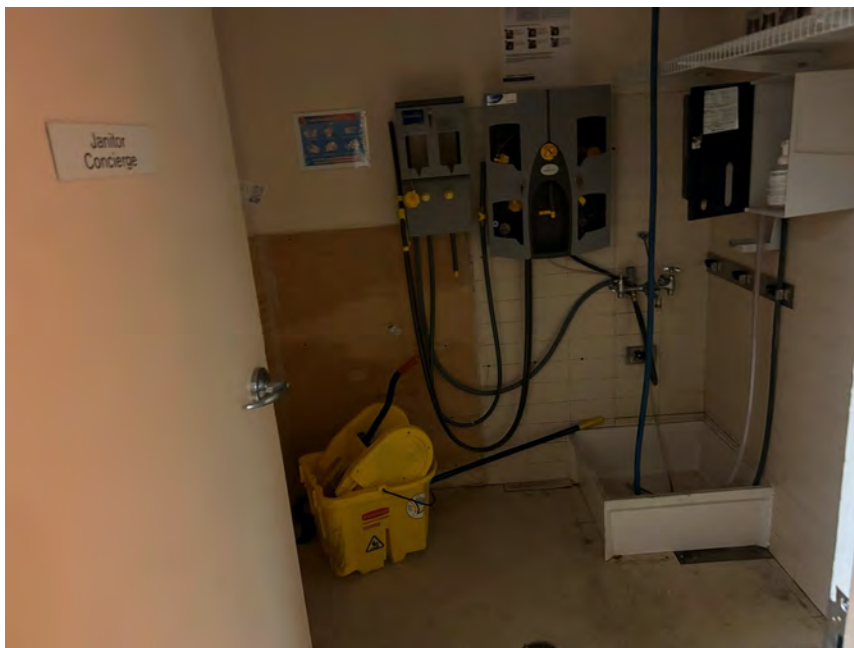


Photo 12 View of a typical janitor's closet in the Site building.

Site Photographs



Photo 13 View of a natural gas-fired roof-mounted HVAC unit in the Site building (2024).



Photo 14 View of the natural gas-fired hot water heaters in the mechanical room on the first level of the Site building.

Site Photographs



Photo 15 View of diesel-powered back-up generator with integrated 450-litre diesel AST in the generator room in the western portion of the Site building.



Photo 16 View of the exterior fill pipes for the diesel back-up generator AST, facing southeast.

Site Photographs



Photo 17 View of the western portion of the Site building, the waste storage area, and the storage shed, facing east.



Photo 18 View of the pad-mounted transformer at 1533 Property parcel, facing northwest.

Site Photographs



Photo 19 View looking west on the 1533 Property parcel



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