# PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

441-443 ECHO DRIVE,
OTTAWA, ON K1S 1N6

JB Holdings

107 Pretoria Avenue,
Ottawa, ON K1S 1W8

FINAL

April 2026

Project No.: 2512064

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## EXECUTIVE SUMMARY

GeoTerracs Inc. (GeoTerra) was retained by JB Holdings (the "Client") to conduct a Phase One Environmental Site Assessment (ESA) for 441-443 Echo Drive, Ottawa, Ontario (the "Site" or "Phase One Property") in support of a Municipal Site Development Application for Site redevelopment purposes.

The objective of this Phase One ESA is to evaluate the environmental liability of the Phase One Property by identifying current and/or historical Potentially Contaminating Activities (PCA) performed at the Site and within 250 m of the Site (the "Study Area"), that would result in Areas of Potential Environmental Concern (APEC) at the Site, requiring further investigation in the form of a Phase Two ESA

GeoTerra understands that this assessment is being conducted in support of a Municipal Site Development Application with the City of Ottawa and is not intended to be used in support of the filing of a Record of Site Condition (RSC) with the Ontario Ministry of the Environment, Conservation and Parks (MECP).

This Phase One ESA was conducted in general accordance with the standards outlined in Ontario Regulation 153/04: *Record of Site Condition – Part Xv.1 of the Act* (O. Reg. 153/04), and included a review of available records (including past assessments and reports, aerial photographs, city directories, accessible government and private environmental information databases, etc.), a Site reconnaissance, and an interview with a knowledgeable Site representative.

As per this assessment, the Site is an irregularly shaped parcel of residential land with an approximate area of 1,500 square meters ($m^2$), or 0.37 acres, located at 441-443 Echo Drive, Ottawa, Ontario, approximately 55 m south of the Echo Drive and Herridge Street intersection. Based on a review of the available aerial imagery and Fire Maps, the Site appears to have been first developed as a residential property between 1946 and 1954, and as such the Phase One Property is not considered as an enhanced investigation property as per Ontario Regulation 153/04.

Based on the findings of this Phase One ESA, one (1) PCA was identified at the Site in association to a former on-site fuel oil Underground Storage Tank; however, based on the following rationale, this PCA is not considered to result in an Area of Potential Environmental Concern (APEC) to the Phase One Property:

- The UST was removed from the Phase One Property in 2016;
- Soil remediation was conducted following the removal of the UST to address concerns associated with the fuel oil leak resulting from the UST;
- Groundwater remediation was performed at the Phase One Property to address groundwater impacts associated to the UST leak, which included In-Situ Chemical Oxidation (ISCO) treatment with hydrogen peroxide from October 2018 to November 2019, PetroFix activated carbon in March 2020, and a 10% potassium nitrate solution in December 2020;
- Groundwater samples collected from the impacted area in 2021 met the applicable Table 3 Site

Condition Standards (SCS) for the previous four (4) consecutive quarterly monitoring events (; and

- The Phase One Property was deemed to meet the Technical Standards and Safety Authority (TSSA) conditions for Site closure

As such, no PCAs considered to contribute to APECs at the Phase One Property were identified during this Phase One ESA. Given that no APECs were identified at the Phase One Property, and that the current and proposed future property uses of the Phase One Property are residential (i.e., the proposed redevelopment plan would not require the completion of an RSC), no further actions are recommended by GeoTerra at this time.

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# 1.0 INTRODUCTION

## 1.1 General

GeoTerracs Inc. (GeoTerra) was retained by JB Holdings (the "Client") to conduct a Phase One Environmental Site Assessment (ESA) for 441-443 Echo Drive, Ottawa, Ontario (the "Site" or "Phase One Property") in support of a Municipal Site Development Application with the City of Ottawa for Site redevelopment purposes.

## 1.2 Objectives

The objective of this Phase One ESA is to evaluate the environmental liability of the Phase One Property by identifying current and/or historical Potentially Contaminating Activities (PCA) performed at the Site and within 250 m of the Site (the "Study Area"), that would result in Areas of Potential Environmental Concern (APEC) at the Site, requiring further investigation in the form of a Phase Two ESA.

GeoTerra understands that this assessment is being conducted in support of a Municipal Site Development Application and is not intended to be used in support of the filing of a Record of Site Condition (RSC) with the Ontario Ministry of the Environment, Conservation and Parks (MECP).

It should be noted that this Phase One ESA did not include sampling or analytical testing and cannot ascertain the actual environmental condition of the Phase One Property.

## 1.3 Phase One Property Information

The Site is an irregularly shaped parcel of residential land with an approximate area of 1,500 square meters ($m^2$), or 0.37 acres, located at 441-443 Echo Drive, Ottawa, Ontario, approximately 55 m south of the Echo Drive and Herridge Street intersection.

Detailed property information is presented in Table 1-1, property ownership information is presented in Table 1-2, and the location of the Site and extent of the Study Area are illustrated in Figures FIG-01 and FIG-02 of Appendix A.

**Table 1-1 Property Information**

| DETAIL | INFORMATION |
|---|---|
| Municipal Address | 441-443 Echo Drive, Ottawa, ON K1S 1N6 |
| Current Use | Residential |
| Property Identification Number (PIN) | 04127-0170 |
| Legal Description | PT LT 3, BLK K, PL 102; PT LT 4, BLK K, PL 102; LT 11, BLK K, PL 102; LT 12, BLK K, PL 102, AS IN N733829; OTTAWA/NEPEAN; CITY OF OTTAWA |
| Zoning | R4UD : Residential Fourth Density Zone (Zoning By-Law 2008-250) |

| DETAIL | INFORMATION | |
|---|---|---|
| | N4B : Neighborhood Zone 4 (Zoning By-Law 2026-50) | |
| On-Site Structure(s) | One (1) four-storey multi-residential building (16 units) | |
| Topography | Generally flat | |
| Land Cover | The Site is occupied by a four-storey apartment building, with an asphalt driveway and parking lot located to the north and east of the building and undisturbed grassy areas occupying the rest of the Site | |
| Shape \| Area | Irregular \| 1,500 m2 | |
| Approximate Coordinates | Zone | 18T |
| | Easting | 446772 m E |
| | Northing | 5028255 m N |
| Bordering Properties | North | Residential Developments |
| | East | Residential Developments and McGillivray Street |
| | South | Residential Developments |
| | West | Echo Drive, followed by Colonel By Drive and the Rideau Canal |

**Table 1-2 Property Ownership Information**

| PIN | OWNERSHIP | CLIENT/REPRESENTATIVE | ADDRESS | CONTACT INFORMATION |
|---|---|---|---|---|
| 04127-0170 | Computershare Trust Company of Canada | JB Holdings | 107 Pretoria Avenue, Ottawa, ON K1S 1W8 | Anthony Bassi<br>613-695-6767<br>anthony@jbpa.ca |

## 2.0 SCOPE OF INVESTIGATION

This Phase One ESA was conducted in general accordance with the standards outlined in Ontario Regulation 153/04: *Record of Site Condition – Part Xv.1 of the Act* (O. Reg. 153/04), and included the following scope of work:

- A review of available records for the Site and the Study Area, including:
  - Physiographic maps;
  - Historical reports;
  - Parcel Register Abstract;
  - City Directories;
  - Regulatory databases; and,
  - Aerial imagery

- Interviews with knowledgeable individuals who are familiar with the history of the Site and the surrounding area to confirm or augment the information obtained from the records review;
- A Site reconnaissance to observe the current property use of the Site and the properties within the Study Area, and to investigate for signs of potential environmental contamination (e.g., odours, stains or corrosion, stressed vegetation, etc.); and,
- An evaluation and interpretation of the information obtained during this investigation to assess the environmental liability of the Phase One Property.

# 3.0 RECORDS REVIEW

## 3.1 General

### *3.1.1 Phase One Study Area Determination*

Based on a review of the information gathered during this Phase One ESA, GeoTerra is of the opinion that an assessment of all properties located, wholly or partly, within 250 m from the nearest point on a boundary of the Phase One Property was sufficient to satisfy the intent and objectives of this Phase One ESA.

### *3.1.2 First Developed Use*

Based on a review of the available aerial imagery and Fire Maps, the Site appears to have been first developed as a residential property between 1946 and 1954.

A summary of the aerial imagery reviewed as part of this assessment is provided in section *3.3.1 Aerial Photographs*, and copies of the aerial imagery reviewed as part of this assessment are provided in Appendix D.

### *3.1.3 Fire Insurance Plans*

Opta Information Intelligence (Opta) created and maintains a database of Fire Insurance Plans and inspection reports (FIPs) that was established by the Canadian Association of Insurers and various private insurance companies. These FIPs were actively produced and updated until 1974, and provide property-specific information pertaining to historical land uses, the storage and use of chemical products, descriptions of building materials, etc.

FIPs from 1915 (including fire maps 148, 149, 161, and 162) and 1958 (including fire maps 263, 263B, 263-3, and 237) covering the entire Study Area, as well as one Canadian Underwriter's Association property report from 1953, were reviewed as part of this assessment. Information deemed relevant to this Phase One ESA obtained from the FIPs is presented below:

Fire Map 236-3 (1958)
The Site was developed into its current configuration prior to 1958 (identified as the "Willowdale Apts")

Canadian Underwriter's Association Property Report (1953)

Two (2) 250-gallon fuel oil tanks were identified at the Site in 1953.

Based on a review of the available FIPs, the following PCA was identified at the Site:

*Item 28 - Gasoline and Associated Products Storage in Fixed Tanks*

Copies of the FIPs reviewed as part of this assessment are provided in Appendix F.

### *3.1.4 Parcel Register Abstract*

A review of the Parcel Register was conducted to identify past owners or occupants whose operations may have negatively affected the environmental quality of the Site. It should be noted that as the Site is understood to have been first developed as a residential property between 1946 and 1954 (as per the aerial photographs and Fire Maps reviewed as part of this assessment) a title search was not included in this assessment as it was not considered to contribute to obtaining information about the environmental condition of the Phase One Property.

As per the Parcel Register, the Site is currently registered under Property Identification Number (PIN) 04127-0170 (created on December 16, 1996) to Computershare Trust Company of Canada, and was acquired on December 19, 2024. Computershare Trust Company of Canada purchased the property from JB Holdings Inc. who acquired the property on December 22, 2015.

Based on a review of the Parcel Register, no PCAs were identified at the Site.

A copy of the Parcel Register Abstract is provided in Appendix B.

### *3.1.5 Environmental Reports*

The following historical reports were provided to GeoTerra for review as part of this assessment:

***Concentric Geoscience. 441 Echo Drive – Groundwater Remediation – Quarterly Update (Rev 1). December 2021.***

Concentric Geoscience Inc. (CGI) was retained by JB Holdings to conduct groundwater remediation activities, and groundwater monitoring and sampling at 441 Echo Drive in support of site closure as specified by the TSSA in an order issued against the Site in 2016. Historical investigations identified Petroleum Hydrocarbon (PHC) and Benzene, Ethylbenzene, Toluene, and Xylenes (BTEX) impacts in soil and groundwater below the garage in the southeast portion of the Site, resulting from a leaking 2,200 Liter (L) underground Storage Tank (UST). The UST was reportedly removed from the Site in January 2016, and soil and groundwater remediation consisting of the excavation and removal of PHC impacted soil and In Situ Chemical Oxidation (ISCO) treatment to dissolve phase impacts in groundwater, was conducted to address the impacts identified near the former UST.

In July 2018, CGI conducted a groundwater quality assessment at the Site, which only identified groundwater impacts remaining in monitoring well 16-MW02. It should be noted that 14 monitoring wells have been installed at the Site, and that all groundwater samples collected

from the Site during the 2018 groundwater quality assessment, with the exception of 16-MW02, reportedly met the applicable Table 3 Site Condition Standard (SCS). The locations of all historical monitoring wells installed at the Site are illustrated in FIG-05 of Appendix A, with the exception of monitoring well 15-MW02, as it was removed as a result of the remedial excavation.

In response to the groundwater impact identified during their groundwater quality assessment, CGI initiated ISCO treatment of monitoring well 16-MW02 with hydrogen peroxide in October 2018, which continued from October 2018 to November 2019. It should be noted that prior to the ISCO treatment, CGI installed an identically constructed monitoring well immediately down gradient of 16-MW02 (identified as 18-MW09) to function as the sampling point to monitor the effectiveness of the ISCO treatment/groundwater remediation.

Analytical results for groundwater samples collected from 18-MW09 between October 2018, and February 2020 contained concentrations of PHCs exceeding the applicable Table 3 SCS; however, an overall declining trend in concentrations was observed, indicating that the hydrogen peroxide treatment was achieving the desired effect. Additionally, no BTEX exceedances were observed in the groundwater samples.

Samples collected between July 2019, and February 2020 indicated a reduced effectiveness of the hydrogen peroxide treatment, and as such, in March 2020, CGI conducted supplemental treatment of 16-MW02 with PetroFix activated carbon to increase the effectiveness of the groundwater remediation program.

In June 2020, a sample collected from 18-MW09 indicated a significant decrease in the concentration of all PHCs and BTEX parameters, with only the F2 fraction of PHCs exceeding the applicable Table 3 SCS.

In December 2020, CGI injected a 10% potassium nitrate solution into monitoring well 16-MW02 in order to stimulate biodegradation of PHCs sorbed to the PetroFix, and in March 2021, a groundwater sample collected from 18-MW09 indicated that the concentrations of PHCs had decreased to a concentration that met the applicable Table 3 SCS. As such, monthly confirmatory groundwater sampling of monitoring well 18-MW09 was initiated.

Between March 2021 and December 2021, a total of 10 confirmatory groundwater samples were collected from 18-MW09 and analyzed for PHC and BTEX, and all samples met the applicable Table 3 SCS.

As the groundwater samples collected from monitoring well 18-MW09 met the applicable Table 3 SCS for the previous four (4) consecutive quarterly monitoring events, CGI concluded that the groundwater remediation program met the conditions for site closure, and that no further groundwater monitoring or sampling is required in relation to the historical UST leak.

***Concentric Geoscience. Phase I Environmental Site Assessment, 441 Echo Drive Ottawa, Ontario. October 2024.***

Concentric Geoscience Services Inc. (CGSI) was retained by JB Holdings Inc. to conduct a Phase I Environmental Site Assessment (ESA) of the property located at 441 Echo Drive, Ottawa, Ontario. The Phase I ESA was carried out in general accordance with the practices identified in Canadian Standards Association (CSA) document Z768-01 Phase I Environmental Site Assessment (2001, R2022), and was based on the analysis of historical and current records pertaining to the site, a site visit, and an interview with persons familiar with the Site.

CGSI identified one concern at the Site relating to an on-site historical heating oil UST that was removed from the Site in 2016; however, as remedial actions were conducted to address the soil and groundwater impacts associated to the UST following its removal, and groundwater sampling showed that the groundwater met the conditions for closure, this activity was not considered to pose a concern to the Site.

Based on the finding of the Phase I ESA, CGSI concluded that no further assessment in the form of a Phase II ESA is required.

Based on a review of the historical reports, the following PCA was identified at the Site:

*Item 28 - Gasoline and Associated Products Storage in Fixed Tanks*

### *3.1.6 City Directory*

A review of available City Directories was conducted for specific properties within the Study Area to identify past owners or occupants whose operations may have negatively affected the environmental quality of the Site.

Based on a review of the City Directories, no PCAs were identified.

Copies of the City Directories reviewed as part of this assessment, including the addresses included in the search, are provided in Appendix F.

### *3.1.7 Regulatory Information Requests*

#### *3.1.7.1. MECP – Freedom of Information Request*

A Freedom of Information (FOI) request was submitted to the MECP on February 19, 2026, for records related to any documented environmental incidents, orders, offences, spills, contaminant discharges, and/or inspections associated with the Site.

As of the issuance of this report, a response has not been received from the MECP; if a response is received at a later date that significantly alters the findings and/or conclusions of this Phase One ESA, an amendment will be issued.

#### *3.1.7.2. Technical Standards and Safety Authority*

An information request was submitted to the Technical Standards and Safety Authority (TSSA), the regulating body responsible for maintaining records related to the licensing of fuel storage and handling

facilities in Ontario, on February 17, 2026, for all records associated to the Site and specific properties of interest within the Study Area. A response was received on February 17, 2026, stating that no fuel records were found in their current database for the requested addresses.

Copies of the TSSA search request and response, including a list of all properties included in the search, are provided in Appendix C.

#### *3.1.7.3. Historical Land Use Inventory Search*

A Historic Land Use Inventory search request was submitted to the City of Ottawa on April 15, 2026, for all information associated with the Site.

As of the issuance of this report, a response has not been received from the City of Ottawa; if a response is received at a later date that significantly alters the findings and/or conclusions of this Phase One ESA, an amendment will be issued.

### 3.2 Environmental Source Information

GeoTerra retained Environmental Risk Information Services (ERIS) to conduct a comprehensive search of available public and private environmental information databases for records pertaining to the Site and properties with the Study Area. ERIS identified 14 records directly associated with the Site and 20 records from properties within the Study Area.

Additionally, 10 “unplottable” records (i.e. records lacking precise geographic information) were returned in the search; however, none of the unplottable records were deemed relevant to this Phase One ESA, or had insufficient information to confirm their location within the Study Area.

A summary of all records deemed relevant to this Phase One ESA is provided in Table 3-1.

**Table 3-1 Summary of Relevant ERIS Report Records**

| ADDRESS AND DISTANCE FROM THE SITE | DATABASE | DESCRIPTION | NOTES |
|---|---|---|---|
| 441 Echo Drive;<br>On-site | GEN (1)<br>INC (1) | GEN – One (1) record is listed for Bassi Construction Ltd. from 2016 for the following waste class:<br>- 221: Light Fuels<br>INC – One (1) record is listed for a fuel oil leak from the on-site UST that occurred on January 8, 2016 | Due to the nature of these records, these activities are considered to pose an environmental concern to the Site. |
| 167 McGillivray Street;<br>39 m northeast | SPL (1) | SPL –One (1) record from February 19, 2010, listing a natural gas spill (methane) into the air, with no anticipated environmental impact. | Due to the nature of the spill, this activity is not considered to pose an environmental concern to the Site. |

| ADDRESS AND DISTANCE FROM THE SITE | DATABASE | DESCRIPTION | NOTES |
|---|---|---|---|
| 179 Drummond Street;<br>108 m east | PINC (1) | PINC – One (1) record from May 23, 2013, listing a pipeline incident that was not investigated. | Due to the distance and nature of this record, this incident is not considered to pose an environmental concern to the Site. |
| 151 McGillivray Street;<br>119 m north northeast | SPL (1) | SPL – One (1) record from April 15, 2023, listing an engine oil spill of unknown quantity entering a catch basin. | Due to the distance from the Site and the receiving environment, this spill is not considered to pose an environmental concern to the Site. |
| 364 Queen Elizabeth Driveway;<br>216 m west southwest | SPL (1) | SPL – One (1) record from August 25, 2021, listing a hydraulic oil spill of 1 L entering a catch basin. | Due to the distance from the Site and the receiving environment, this spill is not considered to pose an environmental concern to the Site. |
| 87 Clegg Street;<br>233 m east | SPL (1) | SPL – One (1) record from March 11, 2014, listing an oil spill of unknown source to the road surface. | Due to the distance from the Site and the receiving environment, this spill is not considered to pose an environmental concern to the Site. |
| **Notes:**<br>GEN – Ontario Regulation 347 Waste Generators Summary<br>INC – Fuel Oil Spills and Leaks<br>PINC – Pipeline Incident<br>SPL – Ontario Spills | | | |

Based on a review of the ERIS database search report, the following PCAs were identified at the Site:

- Item 28 – Gasoline and Associated Products Storage in Fixed Tanks

A copy of the full ERIS search report, including a comprehensive list of all databases included in the search, is provided in Appendix F.

## 3.3 Physical Setting Sources

### *3.3.1 Aerial Photographs*

Historical aerial photographs and satellite images dating back to 1928 were reviewed at regular intervals to establish a general history of the development of the Site and Study Area.

Based on a review of the available imagery, the Site appears to have been developed with the current residential building between 1946 and 1954 and has not undergone any significant changes since its original development. The Study Area, which is predominantly characterized by residential land, was first developed prior to 1928, with significant residential development occurring between 1928 and 1946.

A summary of the key observations made from the aerial photographs and satellite images is provided in Table 3-2.

**Table 3-2 Summary of Key Aerial Imagery Observations**

| YEAR | SITE OBSERVATIONS | STUDY AREA OBSERVATIONS |
|---|---|---|
| 1928 | The Site has yet to be developed and appears to consist of undeveloped grassy areas. | The Study Area has already been developed with what appears to be residential housing. The southern and eastern portion of the Study Area is mostly undeveloped lands consisting of either forested or open grasslands. The Rideau Canal is seen running north-south to the west of the Site. |
| 1946 | No significant changes can be observed between the 1928 and 1946 aerial photographs. | No significant changes can be observed between the 1928 and 1946 aerial photographs. |
| 1954 | The Site can now be clearly observed to have been developed with the current residential building. | The Study Area can now be clearly observed in its present day configuration, with further residential development to the south and east. |
| 1969 | No significant changes can be observed between the 1954 and 1969 aerial photographs. | No significant changes can be observed between the 1954 and 1969 aerial photographs. |
| 1976 | No significant changes can be observed between the 1969 and 1976 aerial photographs. | No significant changes can be observed between the 1969 and 1976 aerial photographs. |
| 1984 | No significant changes can be observed between the 1976 and 1984 aerial photographs. | No significant changes can be observed between the 1976 and 1984 aerial photographs. |
| 1993 | No significant changes can be observed between the 1984 and 1993 aerial photographs. | No significant changes can be observed between the 1984 and 1993 aerial photographs. |
| 2007 | No significant changes can be observed between the 1993 aerial photograph and the 2007 satellite image. | No significant changes can be observed between the 1993 aerial photograph and the 2007 satellite image. |
| 2016 | No significant changes can be observed between the 2007 and 2016 satellite images. | No significant changes can be observed between the 2007 and 2016 satellite images. |
| 2025 | No significant changes can be observed between the 2016 and the 2025 satellite images. | No significant changes can be observed between the 2016 and the 2025 satellite images. |

Based on a review of the available aerial imagery, no PCAs were identified.

Copies of the aerial imagery reviewed as part of this assessment are provided in Appendix D.

### *3.3.2 Topography, Hydrology, Geology, Fill Materials, Water Bodies, Areas of Natural Significance, Ground Water Information, and Well Records*

GeoTerra reviewed available physiographic maps to understand the physical characteristics of the Site and Study Area (e.g., topography, hydrology, geology, geomorphology, etc.) and to identify the presence of nearby watercourses, wetlands, or Areas of Natural and Scientific Interest (ANSI). A summary of this information, along with the source material, is presented in Table 3-3.

**Table 3-3 Summary of Physiographic Features**

| MAP TITLE | SITE AND STUDY AREA FEATURES |
|---|---|
| MNRF Make a Map: Natural Heritage Areas | The Site and Study Area are located at an elevation of approximately 65 masl (meters above sea level), and the Site is generally flat.<br>The Ministry of Natural Resources and Forestry (MNRF) has not identified any wetlands at the Site or within the Study Area.<br>The MNRF has not identified any ANSIs at the Site or within the Study Area.<br>The closest body of water to the Site is the Rideau Canal, located approximately 40 m west of the Site. |
| GeoOttawa: Interactive Map | The Site is not located within a City of Ottawa identified wellhead protection area, nor an intake protection zone, and as the Site is serviced with municipal drinking water and is located within an urban setting, it is inferred that all properties within the Study Area are serviced with potable water via the City of Ottawa municipal system. |
| Ontario Geological Survey (OGS) MRD 126 Revision 1 - 1:250 000 Scale Bedrock Geology of Ontario | The bedrock geology of the Site and Study Area is characterized by Shale, limestone, dolostone, siltstone of the Billings Formation from the Upper Ordovician era. |
| OGS Surficial Geology of Southern Ontario | The surficial geology of the Site and Study Area is characterized by Fine-textured glaciomarine deposits from the Pleistocene epoch. |
| Fill Material | Engineered fill materials is inferred to have been used for grading during Site development. |
| MECP Map: Well Records | 14 monitoring well records were identified at the Site.<br>The overburden at the Site extends to at lease 5.18 mbgs, and consists of sand from approximately 1.5 to 2.4 mbgs, followed by a layer of silt and clay.<br>Groundwater details were not listed in the identified well records; however, as per the previous Site investigations, the groundwater is located at an approximate depth of 3 - 5 mbgs, and is inferred to flow southwest across the Site towards the Rideau canal.<br>Bedrock details were not listed in the identified well records; however, the overburden at the Site extends to a depth of at least 5.18 mbgs. |

### 3.4 Site Operating Records

No Site operating records were identified as part of this assessment.

## 4.0 INTERVIEWS

GeoTerra conducted an interview with Mark Mandica, the site representative, at approximately 11:00 on April 9, 2026. Mark Mandica has been the maintenance technician for the Site since 2015, and has been identified by GeoTerra as the individual with the most complete knowledge of the Site and its past activities.

Information relevant to this Phase One ESA gained from the interview with Mark Mandica is summarized below:

- The Site is currently a residential property, developed with a four-story multi-unit residential building;
- JB Holdings Inc. purchased the property in 2015, and there have not been any significant alterations to the Site;
- The Site is serviced by municipal sewers and water;
- The Site used to be heated via a fuel oil burner, which was supplied by an on-site UST, but was converted to a natural gas burner in 2015;
- There are currently no ASTs or USTs at the Site; and,
- There are no elevators, lifts, or other hydraulic equipment at the Site.

Based on the interview with Mark Mandica, the following PCA was identified at the Site:

*Item 28 – Gasoline and Associated Products Storage in Fixed Tanks*

# 5.0 SITE RECONNAISSANCE

## 5.1 General Requirements

Ryan LaRonde from GeoTerra conducted a Site reconnaissance at approximately 12:00 on April 7, 2026; the weather at the time of the reconnaissance was 4 degrees Celsius with overcast, and the reconnaissance lasted approximately 90 minutes. It should be noted that there was approximately two (2) centimeters (cm) of snow cover at the time of the reconnaissance, and that the ground surface could not be observed in its entirety; however, GeoTerra is of the opinion that the snow cover did not significantly limit the assessment of the Site and/or the Study Area.

The Site reconnaissance served to document the current property uses of the Site and the properties within the Study Area, to investigate for signs of environmental contamination and PCAs, and to assess pathways for potential contaminants to migrate to and from the Site. The reconnaissance included a thorough investigation of the Site, accessible areas within the on-site building, and an observational investigation of all properties within the Study Area from publicly accessible locations.

Ryan LaRonde, C.E.T., EP., works within the environmental department at GeoTerra and completed the Site reconnaissance. Ryan LaRonde is an environmental professional with approximately 20 years of experience working in the field of environmental engineering.

## 5.2 Specific Observations at Phase One Property

Relevant observations made at the Phase One Property during the reconnaissance are summarized in Table 5-1, and select photographs taken during the reconnaissance are included in Appendix E.

**Table 5-1 Site Observations**

| ELEMENT | OBSERVED ON-SITE YES | OBSERVED ON-SITE NO | DETAILS |
|---|---|---|---|
| Current Property Use | ☒ | ☐ | The Site was observed to be a residential property. |
| Buildings/Structures | ☒ | ☐ | One (1) four-storey multi-unit residential building was observed at the Site. |
| Belowground Structures | ☐ | ☒ | No belowground structures were observed at the Site. |
| Aboveground Storage Tank (AST) | ☐ | ☒ | No ASTs were observed at the Site. |
| Underground Storage Tanks (UST) | ☐ | ☒ | No signs of current or historical USTs were observed at the Site. |
| Electrical Service | ☒ | ☐ | The Site is serviced by municipal electricity via aboveground utility lines. |
| Gas Service | ☒ | ☐ | The Site is serviced by gas via belowground utility lines. |
| Sewage Works | ☐ | ☒ | The Site is serviced by municipal sewers, and no signs of a septic systems were observed at the Site. |
| Waste Removal | ☒ | ☐ | Residential waste storage bins were observed in east portion of the garage, and as per Mark Mandica, the waste is removed from the Site on a weekly basis. |
| Potable And Non-Potable Water Sources | ☐ | ☒ | No signs of supplemental water sources (potable or non-potable) were observed at the Site, and as per Mark Mandica, the Site is serviced by the municipal water system. |
| Wells | ☒ | ☐ | Seven (7) monitoring wells were observed at the Site: three (3) inside the garage, two (2) in the western portion of the building, and two (2) east-adjacent to the garage. |
| Underground Utilities and/or Service Corridors | ☒ | ☐ | Utility locate marks were observed throughout the Site, indicating the presence of underground sewer, water, and electrical services at the Site. |
| Building Entry and Exit Points | ☒ | ☐ | Seven (7) entry and exit points were observed around the perimeter of the building. |
| Heating/Cooling Systems | ☒ | ☐ | Multiple electric hot water tanks, and one (1) gas powered boiler was observed in the mechanical room in the western portion of the building, and as per Mark Mandica, the residential units are heated via water radiators units. |
| Drains | ☐ | ☒ | No drains were observed at the Site. |
| Pits | ☐ | ☒ | No pits were observed at the Site. |

| ELEMENT | OBSERVED ON-SITE YES | OBSERVED ON-SITE NO | DETAILS |
|---|---|---|---|
| Sumps | ☒ | ☐ | One (1) sump was observed within the garage, and it is inferred that the sump drains to the municipal sewer system. |
| Hydraulic Equipment | ☐ | ☒ | No hydraulic equipment was observed at the Site. |
| Heavy Machinery | ☐ | ☒ | No heavy machinery was observed at the Site. |
| Stains | ☐ | ☒ | No signs of staining were observed at the Site. |
| Corrosion | ☐ | ☒ | No signs of corrosion were observed at the Site. |
| Ground Cover | ☒ | ☐ | The ground cover at the Site consists of asphalt driveways and parking area, and grassy landscaped areas. |
| Stressed Vegetation | ☐ | ☒ | No stressed vegetation was observed at the Site; however, it should be noted that due to the time of year, the health of the vegetation present at the Site could not be fully assessed. |
| Fill Material | ☐ | ☒ | No fill material was observed at the Site; however, it is inferred that fill material was used for grading during the development of the building present at the Site. |
| Debris | ☐ | ☒ | No debris was observed at the Site. |
| Rail Lines or Spurs | ☐ | ☒ | No rail lines or spurs were observed at the Site. |
| Unidentified Substances | ☐ | ☒ | No unidentified substances were observed at the Site. |
| Water Bodies | ☐ | ☒ | No water bodies were observed at the Site. |
| Wetlands | ☐ | ☒ | No wetlands were observed at the Site. |
| Areas of Natural Significance (ANSI) | ☐ | ☒ | No areas of natural significance were observed at the Site. |

### *5.2.1 Enhanced Investigation Property*

As per O. Reg. 153/04, the Phase One Property is not considered as an enhanced investigation property.

## 5.3 Specific Observations within the Phase One Study Area

Relevant observations made within the Phase One Study Area during the reconnaissance are summarized in Tables 5-2 and Table 5-3, and select photographs taken during the reconnaissance are included in Appendix E.

### Table 5-2 Study Area Observations

| ELEMENT | OBSERVED WITHIN THE STUDY AREA | | DETAILS |
|---|---|---|---|
| | YES | NO | |
| Service Garages | ☐ | ☒ | No service garages were observed within the Study Area. |
| Retail Fuel Outlets (RFO) | ☐ | ☒ | No RFOs were observed within the Study Area. |
| Operation of Dry Cleaning Equipment | ☐ | ☒ | No dry cleaners were observed within the Study Area. |
| Industrial/ Manufacturing | ☐ | ☒ | No industrial manufacturing was observed within the Study Area. |
| Aboveground Storage Tanks (AST) | ☐ | ☒ | No ASTs were observed within the Study Area. |
| Underground Storage Tanks (UST) | ☐ | ☒ | No signs of current of historical USTs were observed within the Study Area. |
| Rail Lines or Spurs | ☐ | ☒ | No rail lines or spurs were observed within the Study Area. |
| Domestic Supply Wells | ☐ | ☒ | No domestic supply wells were observed within the Study Area, and it is inferred that all properties within the Study Area are serviced by the municipal water system. |
| Water Bodies | ☒ | ☐ | The Rideau Canal was observed approximately 40 m west of the Site. |
| Wetlands | ☐ | ☒ | No wetlands were observed within the Study Area. |
| Areas of Natural Significance (ANSI) | ☐ | ☒ | No areas of natural significance were observed within the Study Area. |

### Table 5-3 Adjacent Property Uses

| ORIENTATION | PROPERTY USE | DESCRIPTION |
|---|---|---|
| North | Residential | Two-storey single-family home (435 Echo Drive) |
| Northeast | Residential | One-storey single-family home (166 McGillivray Street) |
| East | Residential | Three-storey multi-unit residential building (172-174 McGillivray Street) |
| Southeast | Residential | Two- and three-story multi-unit residential building (178 and 182 McGillivray Street) |
| South | Residential | Two-storey semi-detached homes (447-449 Echo Drive) |
| Southwest | Community/ Other Use | Echo Drive, followed by the Rideau Canal |

| ORIENTATION | PROPERTY USE | DESCRIPTION |
|---|---|---|
| West | Community/ Other Use | Echo Drive, followed by the Rideau Canal |
| Northwest | Community/ Other Use | Echo Drive, followed by the Rideau Canal |

### 5.1 Written Description of Investigation

The Site reconnaissance consisted of one (1) Site visit, and included a non-intrusive investigation of the entire Site and all properties within the Study Area, and was performed in accordance with sections 13 and 14 of Part IV of Schedule D of O. Reg 153/04.

Based on the Site reconnaissance, no PCAs were identified.

## 6.0 REVIEW AND EVALUATION OF INFORMATION

### 6.1 Current and Past Uses

Current Site Use

Based on the information obtained during the interview with Mark Mandica, and the observation made during the reconnaissance, the Site is currently a residential property.

Historical Site Use

Based on the information gathered during this assessment, the Site was developed with the current residential building between 1946 and 1954, and has not undergone any significant changes since its original development.

### 6.2 Potentially Contaminating Activities

Based on the findings of this Phase One ESA, the following PCA was identified:

- PCA 1: *Item 28 - Gasoline and Associated Products Storage in Fixed Tanks* – The former presence, and historical spill, of an on-site fuel oil UST

As the UST was reportedly removed from the Site in 2016, and the confirmatory groundwater samples collected in 2021 following the completion of the groundwater remediation confirmed that the groundwater quality at the Site meets the applicable Ministry of the Environment, Conservation and Parks (MECP) *Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition for All Types of property Uses*, this activity is not considered to pose a significant environmental concern to the Site. As such, this PCA in not considered to contribute to an APEC at the Phase One Property, and no further investigation as a result of the PCA is warranted.

A summary of the PCAs identified during this assessment is presented in Table 6-1, and PHC all PCAs are illustrated in FIG-3 of Appendix A.

**Table 6-1 Summary of Potentially Contaminating Activities**

| NO. | DESCRIPTION | LOCATION | RESULTS IN APEC | RATIONALE |
|---|---|---|---|---|
| **PCA 1** | *Item 28 - Gasoline and Associated Products Storage in Fixed Tanks*<br>The former presence, and historical spill, of an on-site fuel oil UST | On-site<br>Southeast portion of the Site | No | The UST was removed from the Site in 2016, and Site remediation in response to the UST was completed in 2021 |

## 6.3 Areas of Potential Environmental Concern

Based on the findings of this Phase One ESA, no APECs have been identified at the Phase One Property.

## 6.4 Phase One Conceptual Site Model

### *6.4.1 General*

This Conceptual Site Model (CSM) was completed to summarize the results of this Phase One Environmental Site Assessment (ESA), in accordance with Part V of Schedule D of Ontario Regulation 153/04 (O. Reg. 153/04), and consists of the figures provide in Appendix A and the narrative description presented in this section.

### *6.4.2 Potentially Contaminating Activity*

Based on the findings of this Phase One ESA, the following Potentially Contamination Activities (PCA) was identified:

- PCA 1: *Item 28 - Gasoline and Associated Products Storage in Fixed Tanks* – The former presence, and historical spill, of an on-site fuel oil Underground Storage Tank (UST)

This PCA is not considered to pose a significant environmental concern to the Phase One Property, as per the following rationale:

- The UST was removed from the Phase One Property in 2016;
- Soil remediation was conducted following the removal of the UST to address concerns associated with the fuel oil leak resulting from the UST;
- Groundwater remediation was performed at the Phase One Property to address groundwater impacts associated to the UST leak, which included In-Situ Chemical Oxidation (ISCO) treatment with hydrogen peroxide from October 2018 to November 2019, PetroFix activated carbon in March 2020, and a 10% potassium nitrate solution in December 2020;
- Groundwater samples collected from the impacted area in 2021 met the applicable Table 3 Site Condition Standards (SCS) for the previous four (4) consecutive quarterly monitoring events; and
- The Phase One Property was deemed to meet the TSSA conditions for Site closure

As such, PCA 1 is not considered to contribute to an Area of Potential Environmental Concern (APEC) at

the Phase One Property, and no further investigation as a result of the PCA is warranted.

### *6.4.3 Contaminants of Potential Concern*

No Contaminants of Potential Concern (COPC) have been identified at the Phase One Property as a result of this Phase One ESA.

### *6.4.4 Preferential Underground Utility Pathways*

Although underground utility trenches may provide preferential pathways for the migration of contaminants at the Phase One Property, no COPCs have been identified at the Phase One Property, and as such, underground utilities are of no concern to the Phase One Property.

Additionally, as the groundwater is expected to be located at an approximate depth of 3 - 5 m bgs (i.e., below the standard depth for utility installation), underground utilities are not expected to affect potential contaminant distribution and transport to and/or from the Phase One Property.

### *6.4.5 Phase One Property and Phase One Study Area Physiography*

A summary of the physical setting features of the Phase One Property and Phase One Study Area is presented below:

Topography

The Phase One Property and Phase One Study Area are located at an elevation of approximately 65 masl (meters above sea level), and the Phase One Property is generally flat.

Areas of Natural Significance

The Ministry of Natural Resources and Forestry (MNRF) has not identified any wetlands ANSIs at the Phase One Property or within the Phase One Study Area, the closest body of water to the Phase One Property is the Rideau Canal, located approximately 40 m west of the Phase One Property, and the Phase One Property is not located within a City of Ottawa identified wellhead protection area, nor an intake protection zone.

It should be noted that as the Phase One Property is serviced with municipal drinking water and is located within an urban setting, it is inferred that all properties within the Phase One Study Area are serviced with potable water via the City of Ottawa municipal system.

Geology

As per available Ontario Geological Survey maps, the surficial geology of the Phase One Property and Phase One Study Area is characterized by fine-textured glaciomarine deposits from the Pleistocene epoch, and the bedrock geology is characterized by Shale, limestone, dolostone, siltstone of the Billings Formation from the Upper Ordovician era.

Stratigraphy

As per the available well records, the overburden at the Phase One Property extends to at least 5.18 mbgs, and consists of sand from approximately 1.5 to 2.4 mbgs, followed by a layer of silt and clay.

Hydrology

As per previous investigations, the groundwater at the Phase One Property is located at an approximate depth of 3 - 5 mbgs, and is inferred to flow southwest across the Phase One Property towards the Rideau canal.

### *6.4.6 Uncertainty or Absence of Information*

As of the issuance of this report, no response was received from the City of Ottawa regarding the Historic Land Use Inventory search request, or the MECP regarding the Freedom of Information request. As such, there is a possibility that additional information pertaining to the Phase One Property exists beyond that which was reviewed as part of this assessment; however, the records review process completed in support of this Phase One ESA was conducted in a manner such that GeoTerra does not expect any missing information to significantly alter the conclusions of this assessment. Additionally, no environmental reports regarding the removal of the Underground Storage Tank (UST) were available for review, however, as the confirmatory groundwater samples collected following the remediation program confirm that the Phase One Property meets the applicable Table 3 Site Condition Standards (SCS), and as the Technical Standards and Safety Authority (TSSA) did not have any records associated to the Phase one Property, GeoTerra does not expect any missing information regarding the remediation to significantly alter the conclusions of this assessment.

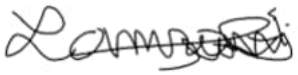
## 7.0 CONCLUSIONS

As per Part V of Schedule D of O. Reg. 153/04, GeoTerra has evaluated and interpreted the information obtained from the records review, the interviews, and the site reconnaissance components of this Phase One ESA so as to achieve the general and specific objectives of a Phase One ESA.

Based on a review of the information gathered as part of this Phase One ESA, no APECs were identified at the Phase One Property, and as such, it is unlikely that one or more contaminants have affected any land or water on, in or under the Phase One Property.

Given that no APECs were identified at the Phase One Property, and that the current and proposed future property uses of the Phase One Property are residential (i.e., the proposed redevelopment plan would not require the completion of an RSC), no further actions are recommended by GeoTerra at this time.








**Jim Brooks, B.Sc.**
Client Account Manager

**Ahmed Lamrani, P.Eng., M.Eng.**
Managing Partner

## 8.0 REFERENCES


1. Concentric Geoscience. 441 Echo Drive – Groundwater Remediation – Quarterly Update (Rev 1). December 2021.
2. Concentric Geoscience. Phase I Environmental Site Assessment, 441 Echo Drive Ottawa, Ontario. October 2024
3. GeoOttawa. City of Ottawa Interactive Map. Available from https://maps.ottawa.ca/geoottawa/ [Accessed March 2026]
4. ERIS Database Report, February 17, 2026. 441-443 Echo Drive, Ottawa, ON K1S 1N6. Order No. 26021600965.
5. Government of Canada. (n.d.). Earth Observation Data Management System (EODMS). Natural Resources Canada. Retrieved from https://www.eodms-sgdot.nrcan-rncan.gc.ca/index-en.html [Accessed March 2026].
6. OnLands, Ontario Land Registry Access. Available from https://www.onland.ca/ui/ [Accessed March 2026].
7. Ontario Geological Survey (OGS) Earth database, Bedrock Geology of Southern Ontario. Available from https://www.geologyontario.mndm.gov.on.ca/ogsearth.html [Accessed March 2026].
8. Ontario Geological Survey (OGS) Earth database, Surficial Geology of Southern Ontario. Available from https://www.geologyontario.mndm.gov.on.ca/ogsearth.html [Accessed March 2026].
9. Ontario Ministry of Natural Resources, 2023. Natural Heritage Areas. Available from: Make A Map: Natural Heritage Areas (gov.on.ca) [Accessed March 2026].
10. Ontario Ministry of the Environment, Conservation and Parks, 2024. Map: Well Records. Available from: https://www.ontario.ca/page/map-well-records [Accessed March 2026]

## 9.0 TERMS OF LIMITATIONS

This Phase One Environmental Site Assessment (ESA) has been prepared by GeoTerracs Inc. exclusively for the use and benefit of the Client. The conclusions presented herein are based on the evaluation of available documentation, interview responses, and the interpretation of information obtained at a specific point in time and under defined conditions.

GeoTerracs Inc. has relied on information provided by third parties and assumes such information to be accurate and factual; however, no responsibility is assumed for the validity or completeness of third-party data.

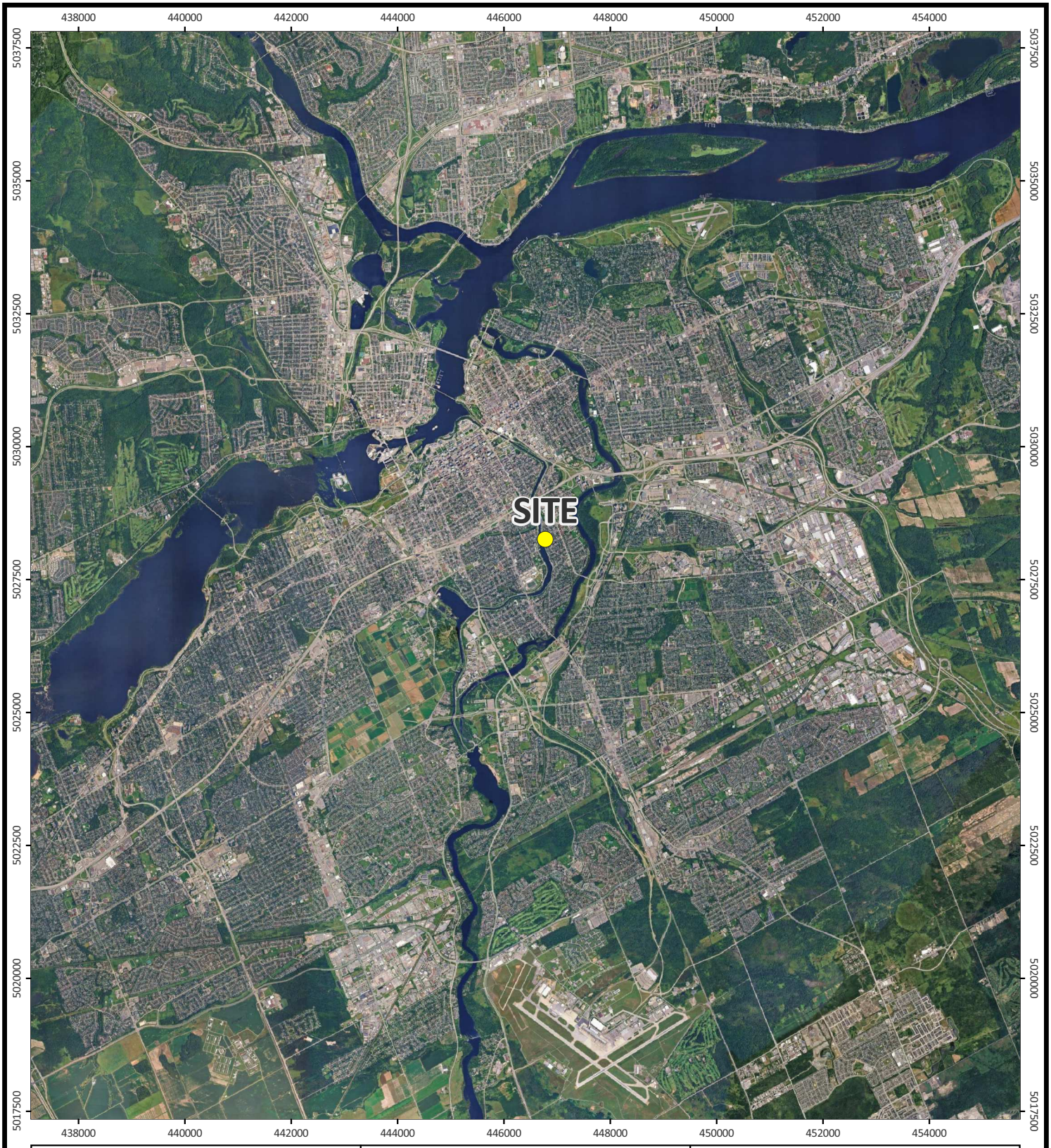
It is important to recognize that a Phase One ESA cannot provide absolute assurance regarding the absence of environmental liabilities, such as contamination of soil or groundwater. GeoTerracs Inc. has undertaken this assessment with a reasonable standard of care and in accordance with generally accepted environmental practices; however, the firm is not liable for hidden conditions or those not reasonably detectable during the assessment.

The findings of this report are applicable only to the time period during which the assessment was conducted. Changes in site conditions, land use, or applicable environmental regulations or policies occurring after the date of the assessment may affect the validity of this report's conclusions.

GeoTerracs Inc. assumes no liability for the use of this report or any decisions made based on its contents by parties other than the Client. This report, or any portion thereof, may not be reproduced or distributed without the prior written consent of both GeoTerracs Inc. and the Client.

Finally, this report does not constitute a legal opinion and should not be interpreted as such.

# APPENDIX A – FIGURES




| | | | |
|---|---|---|---|
| GeoTerra | Location: 441-443 Echo Drive, Ottawa, ON K1S 1N6 | | Project: Phase One Environmental Site Assessment |
| | Client: JB Holdings | | Title: Site Location Plan |
| 0 2,000 4,000 m | Drawn by: J. Brooks | Ref.: 2512064 | Figure: FIG-01 |
| N | Approved by: A. Lamrani | Date: April 2026 | |
| | Version: 1 | Scale: 1:100,000 | |




GeoTerra

## Legend

- Property Boundary
- Study Area
- Commercial Property Use
- Residential Property Use
- Water Body

Title:
Study Area Property Uses And Features Plan

Project:
Phase One Environmental Site Assessment

Location:
441-443 Echo Drive, Ottawa, ON K1S 1N6

Client:
JB Holdings

| | | | |
|---|---|---|---|
| Drawn by: | J. Brooks | Ref.: | 2512064 |
| Approve by: | A. Lamrani | Date: | April 2026 |
| Version: | 1 | Scale: | 1:2,500 |

Figure:
FIG-02

0 68 136 m

N




GeoTerra

## Legend

- Property Boundary
- Building 1: 441-443 Echo Drive
- Location of Former Underground Storage Tank
- Apprixmate Extent of Historical Remedial Excavation
- Approximate Location of Historical Monitoring Wells (Concentric Geoscience)

Title:

Site Feature Plan

Project:

Phase One Environmental Site Assessment

Location:

441-443 Echo Drive, Ottawa, ON K1S 1N6

Client:

JB Holdings

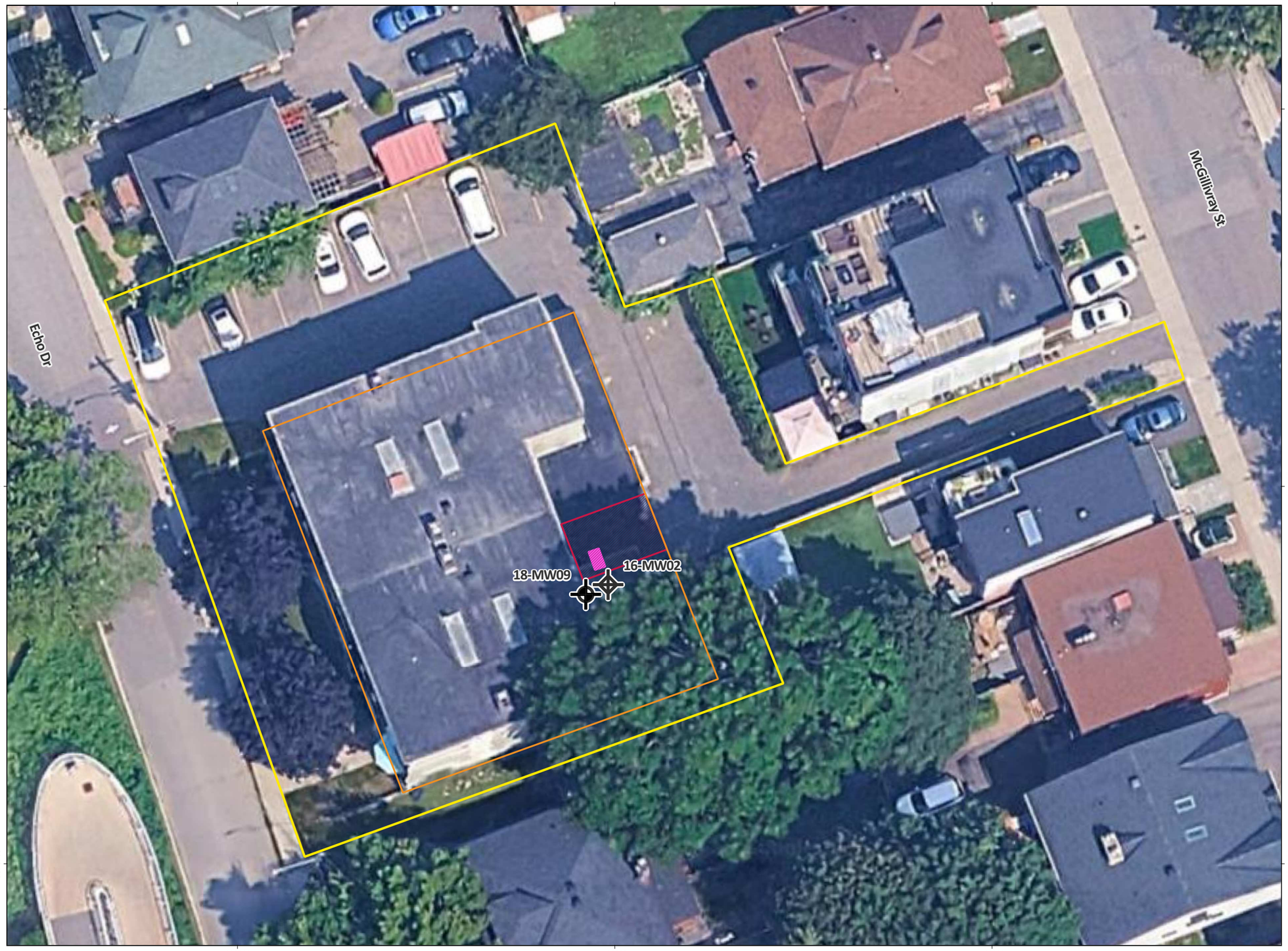
| | | | |
|---|---|---|---|
| Drawn by: | J. Brooks | Ref.: | 2512064 |
| Approve by: | A. Lamrani | Date: | April 2026 |
| Version: | 1 | Scale: | 1:260 |

Figure:

FIG-03

0 7 14 m

N




GeoTerra

## Legend

- Property Boundary
- Building 1: 441-443 Echo Drive
- Location of Former Underground Storage Tank
- Apprixmate Extent of Historical Remedial Excavation
- Approximate Location of Previously Impacted Monitoring Well Used For Remedial Injection Program (Concentric Geoscience, 2018-2020)
- Approximate Location of Down-Gradient Monitoring Well Used For Confirmatory Groundwater Sampling (Concentric Geoscience, 2021)

Title:

Groundwater Injection Plan

Project:

Phase One Environmental Site Assessment

Location:

441-443 Echo Drive, Ottawa, ON K1S 1N6

Client:

JB Holdings

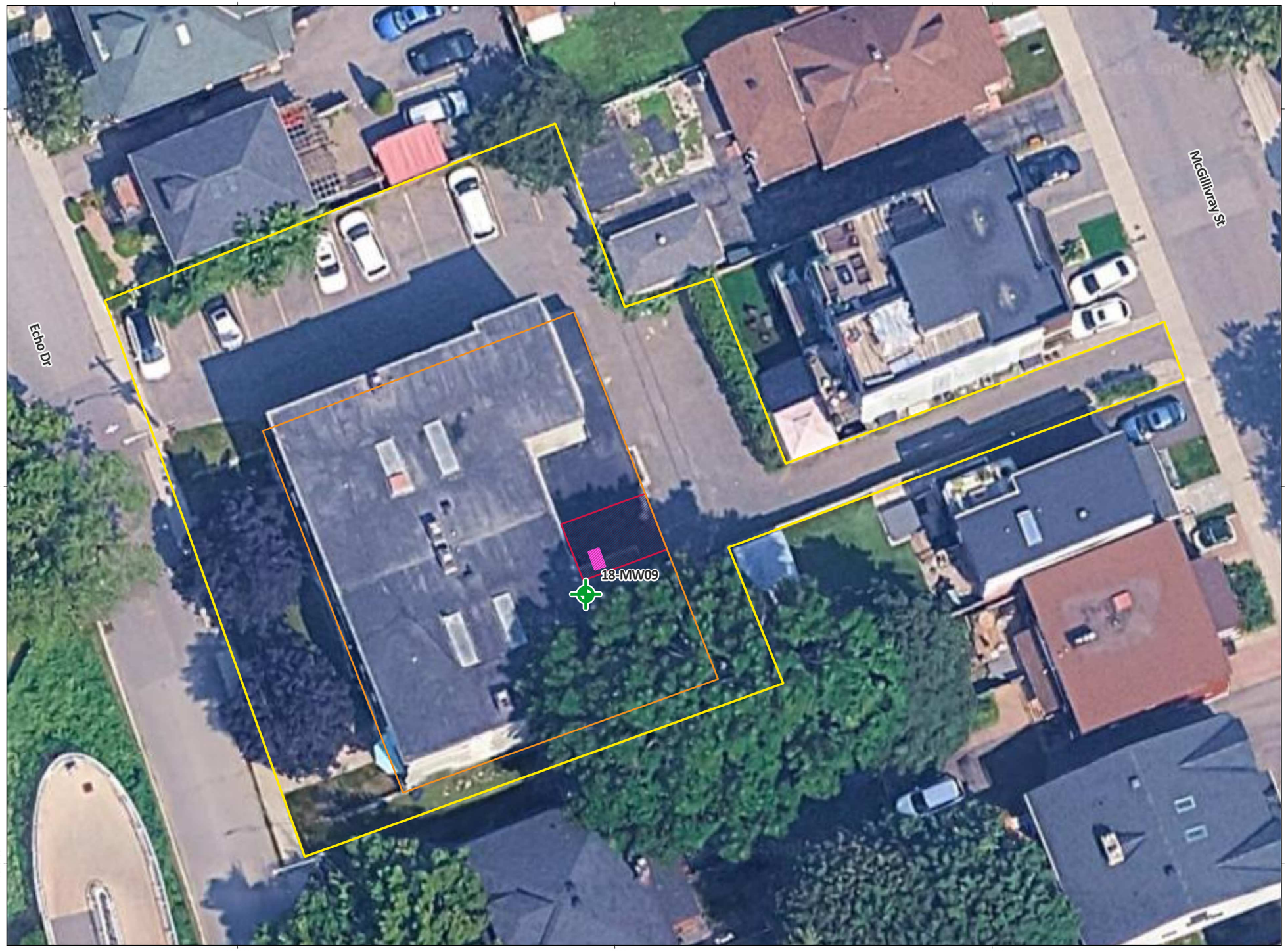
| | | | |
|---|---|---|---|
| Drawn by: | J. Brooks | Ref.: | 2512064 |
| Approve by: | A. Lamrani | Date: | April 2026 |
| Version: | 1 | Scale: | 1:260 |

Figure:

FIG-04

0 7 14 m

N




GeoTerra

## Legend

- Property Boundary
- Building 1: 441-443 Echo Drive
- Location of Former Underground Storage Tank
- Apprixmate Extent of Historical Remedial Excavation
- Groundwater Meets Applicable Table 3 Site Condition Standards (Concentric Geoscience, 2021)
- Groundwater Exceeds Applicable Table 3 Site Condition Standards
- Approximate Location of Previously Impacted Monitoring Well Used For Remedial Injection Program (Concentric Geoscience, 2018-2020)

Title:

Groundwater Exceedance Plan

Project:

441-443 Echo Drive

Location:

441-443 Echo Drive, Ottawa, ON K1S 1N6

Client:

JB Holdings

| | | | |
|---|---|---|---|
| Drawn by: | J. Brooks | Ref.: | 2512064 |
| Approve by: | A. Lamrani | Date: | April 2026 |
| Version: | 1 | Scale: | 1:260 |

Figure:

FIG-05

0 7 14 m

N




| NO. | DESCRIPTION | LOCATION | RESULTS IN APEC | RATIONALE |
|---|---|---|---|---|
| PCA 1 | *Item 28 - Gasoline and Associated Products Storage in Fixed Tanks*<br>The former presence, and historical spill, of an on-site fuel oil UST | On-site<br>Southeast portion of the Site | No | The UST was removed from the Site in 2016, and Site remediation in response to the UST was completed in 2021 |

GeoTerra

## Legend

- Property Boundary
- Study Area
- Potentially Contaminating Activit NOT Contributing to an Area of Potential Concern at the Site
- Potentially Contaminating Activity Contributing to an Area of Potentia Concern at the Site

Title:
Potentially Contaminating Activities Plan

Project:
Phase One Environmental Site Assessment

Location:
441-443 Echo Drive, Ottawa, ON K1S 1N6

Client:
JB Holdings

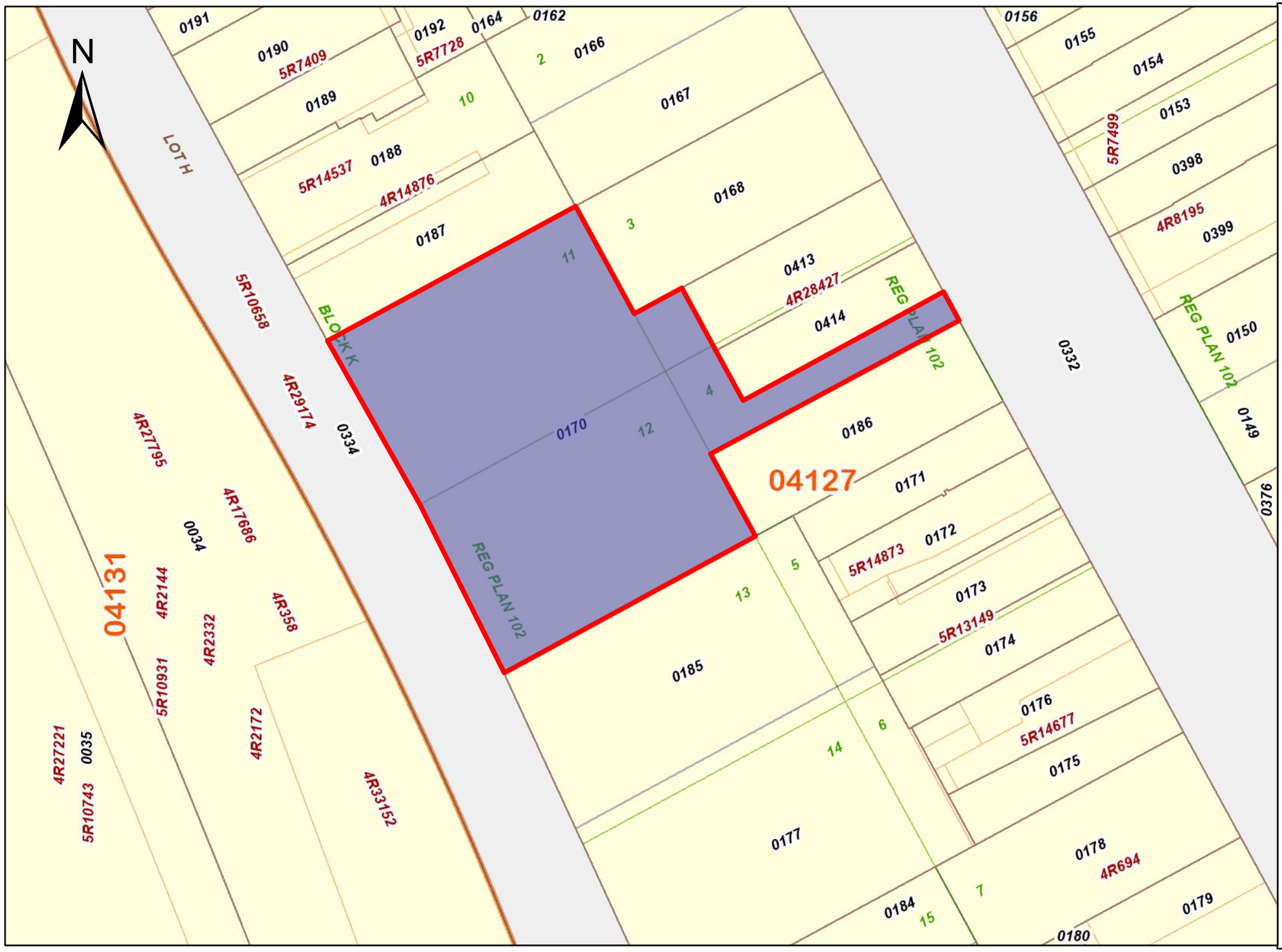
| | | | |
|---|---|---|---|
| Drawn by: | J. Brooks | Ref.: | 2512064 |
| Approve by: | A. Lamrani | Date: | April 2026 |
| Version: | 1 | Scale: | 1:2,500 |

Figure:
FIG-06

0 68 136 m

N

# APPENDIX B – PARCEL REGISTER ABSTRACT




ServiceOntario

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FOR GEOTERRA

**SCALE**

0 6 12 18 24 meters

# PROPERTY INDEX MAP

OTTAWA-CARLETON(No. 04)

## LEGEND

| | |
|---|---|
| FREEHOLD PROPERTY | |
| LEASEHOLD PROPERTY | |
| LIMITED INTEREST PROPERTY | |
| CONDOMINIUM PROPERTY | |
| RETIRED PIN (MAP UPDATE PENDING) | |
| PROPERTY NUMBER | *0449* |
| BLOCK NUMBER | **08050** |
| GEOGRAPHIC FABRIC | |
| EASEMENT | |

**THIS IS NOT A PLAN OF SURVEY**

## NOTES

**REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS**

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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PROPERTY DESCRIPTION: PT LT 3, BLK K, PL 102; PT LT 4, BLK K, PL 102; LT 11, BLK K, PL 102; LT 12, BLK K, PL 102, AS IN N733829; OTTAWA/NEPEAN; CITY OF OTTAWA

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK 109

PIN CREATION DATE:
1996/12/16

OWNERS' NAMES
JB HOLDINGS INC.

CAPACITY SHARE

| REG. NUM. | DATE | INSTRUMENT TYPE | AMOUNT | PARTIES FROM | PARTIES TO | CERT/ CHKD |
|---|---|---|---|---|---|---|
| ***EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1996/12/16 ON THIS PIN*** | | | | | | |
| ***WAS REPLACED WITH THE "PIN CREATION DATE" OF 1996/12/16*** | | | | | | |
| *** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1996/12/13 *** | | | | | | |
| ***SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:* | | | | | | |
| *** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES ** | | | | | | |
| *** AND ESCHEATS OR FORFEITURE TO THE CROWN.* | | | | | | |
| *** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF* | | | | | | |
| *** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY* | | | | | | |
| *** CONVENTION.* | | | | | | |
| *** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.* | | | | | | |
| ***DATE OF CONVERSION TO LAND TITLES: 1996/12/16 *** | | | | | | |
| N373022 | 1987/01/20 | CHARGE | | *** COMPLETELY DELETED *** | ONTARIO MORTGAGE CORPORATION | |
| N668193 | 1993/08/11 | AGREEMENT | | *** COMPLETELY DELETED *** | | |
| | *REMARKS: N373022* | | | | | |
| N733829 | 1995/12/18 | TRANSFER | | *** COMPLETELY DELETED *** | COHEN, JOEL LOUIS<br>GOTTLIEB, ADELE<br>COHEN, DAVID | |
| OC155403 | 2002/12/23 | TRANSMISSION-LAND | | *** COMPLETELY DELETED ***<br>COHEN, DAVID | COHEN, HOWARD<br>KALIN, JUDITH<br>COHEN, STANLEY | |

| REG. NUM. | DATE | INSTRUMENT TYPE | AMOUNT | PARTIES FROM | PARTIES TO | CERT/ CHKD |
|---|---|---|---|---|---|---|
| OC162996 | 2003/01/24 | DISCH OF CHARGE | | *** COMPLETELY DELETED ***<br>ONTARIO MORTGAGE CORPORATION | | |
| | *REMARKS: RE: N373022* | | | | | |
| OC1752297 | 2015/12/22 | TRANS PERSONAL REP | $2,615,000 | COHEN, HOWARD<br>COHEN, JOEL LOUIS<br>COHEN, STANLEY<br>GOTTLIEB, ADELE<br>KALIN, JUDITH | JB HOLDINGS INC. | C |
| | *REMARKS: PLANNING ACT STATEMENTS.* | | | | | |
| OC2753390 | 2024/12/19 | CHARGE | $2,579,900 | JB HOLDINGS INC. | COMPUTERSHARE TRUST COMPANY OF CANADA | C |
| OC2753391 | 2024/12/19 | NO ASSGN RENT GEN | | JB HOLDINGS INC. | COMPUTERSHARE TRUST COMPANY OF CANADA | C |
| | *REMARKS: OC2753390* | | | | | |

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

# APPENDIX C – REGULATORY INFORMATION REQUESTS

Outlook

## RE: TSSA Records Request - 2512064 Phase I ESA

**From** Public Information Services <publicinformationservices@tssa.org>
**Date** Tue 2026-02-17 11:09 AM
**To** Jim Brooks <jbrooks@geoterracs.com>

Hello ,

**NO RECORDS FOUND IN CURRENT DATABASE:**

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

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

Please refer to Training (tssa.org) for instructions on how to use the portal. Please refer to How to Submit a Public Information Request (tssa.org) for instructions.

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

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

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

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

Kind regards,

**Slavka Zahrebelny | Public Information & Records Agent**
Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3585 | Fax: +1 416-734-6242 | E-Mail: szahrebelny@tssa.org
www.tssa.org

***Winner of 2025 5-Star Safety Cultures Award***

**From:** Jim Brooks <jbrooks@geoterracs.com>
**Sent:** February 17, 2026 10:17 AM

**To:** Public Information Services <publicinformationservices@tssa.org>
**Subject:** TSSA Records Request - 2512064 Phase I ESA

⚠ External Email >

[⚠ **CAUTION]:** THIS EMAIL ORIGINATED OUTSIDE THE ORGANISATION.
DO NOT CLICK LINKS OR OPEN ATTACHMENTS UNLESS YOU KNOW THE SENDER AND ARE EXPECTING THIS EMAIL.
PLEASE REPORT WITH THE PHISH REPORT BUTTON IF SUSPICIONS.

Hello TSSA,
In support of a Phase I Environmental Site Assessment, please provide all available TSSA records for the following properties:

- 441 Echo Dr, Ottawa, ON K1S 1N6
- 443 Echo Dr, Ottawa, ON K1S 1N6
- 435 Echo Dr, Ottawa, ON K1S 1N6
- 164 McGillivray St, Ottawa, ON K1S 1K8
- 166 McGillivray St, Ottawa, ON K1S 1K8
- 170 McGillivray St, Ottawa, ON K1S 1K8
- 172 McGillivray St, Ottawa, ON K1S 1K8
- 174 McGillivray St, Ottawa, ON K1S 1K8
- 180 McGillivray St, Ottawa, ON K1S 1K8
- 182 McGillivray St, Ottawa, ON K1S 1K8
- 449 Echo Dr, Ottawa, ON K1S 1N6
- 447 Echo Dr, Ottawa, ON K1S 1N6

Thank you,

**Jim Brooks, B.SC.,**
Client Account Manager

GeoTerra
300-275 Bank Street,
Ottawa ON, K2P 2L6

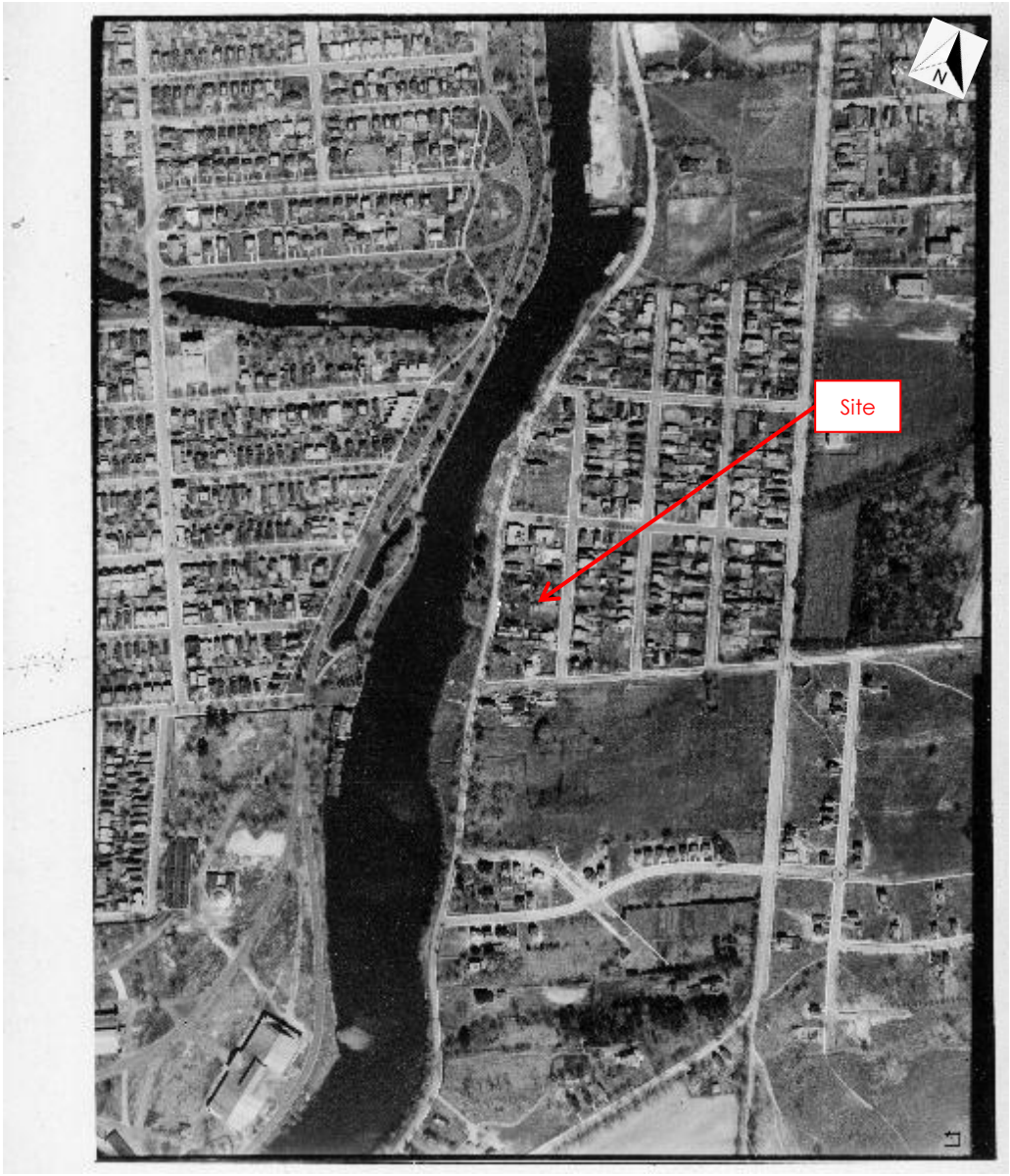
Cell: 613-619-1493
www.geoterracs.ca

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privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

# APPENDIX D – AERIAL IMAGERY

## AERIAL PHOTOGRAPH (1928)




Source: National Air Photo Library

Roll Number: A17

Photo Number: 039

# AERIAL PHOTOGRAPH (1946)

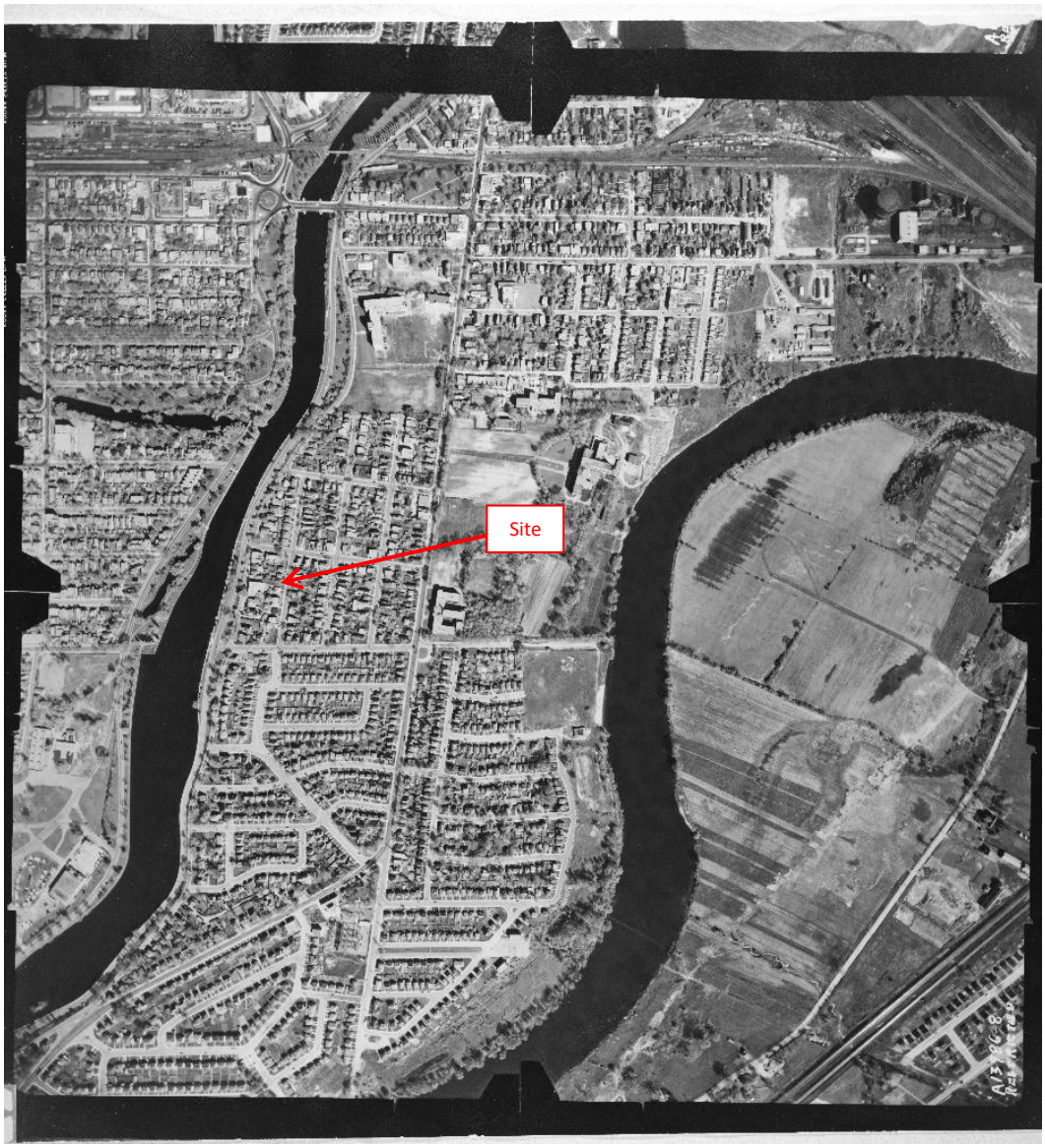



Source: National Air Photo Library

Roll Number: A10347

Photo Number: 027

# AERIAL PHOTOGRAPH (1954)

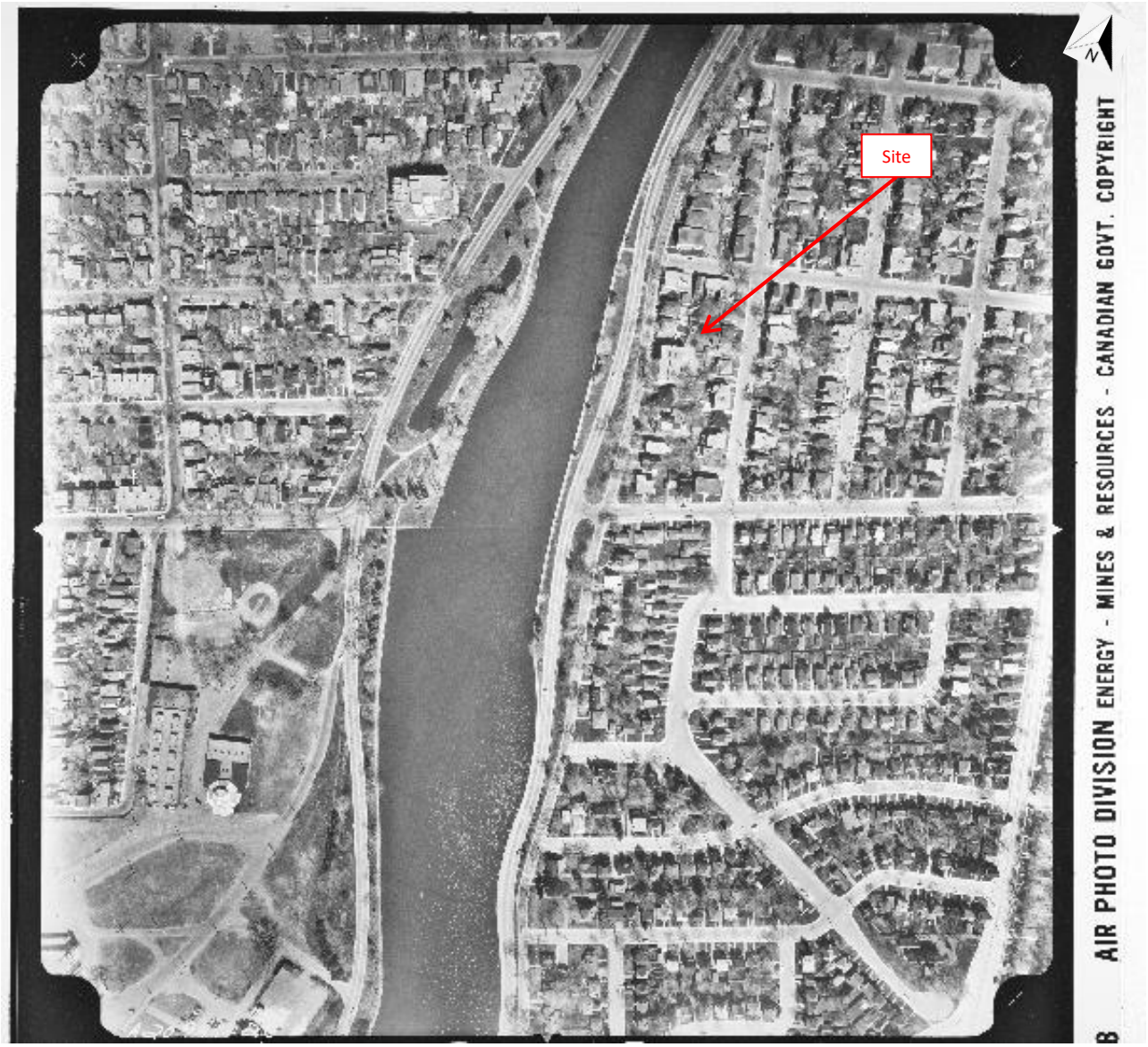



Source: National Air Photo Library

Roll Number: A13986

Photo Number: 008

# AERIAL PHOTOGRAPH (1969)

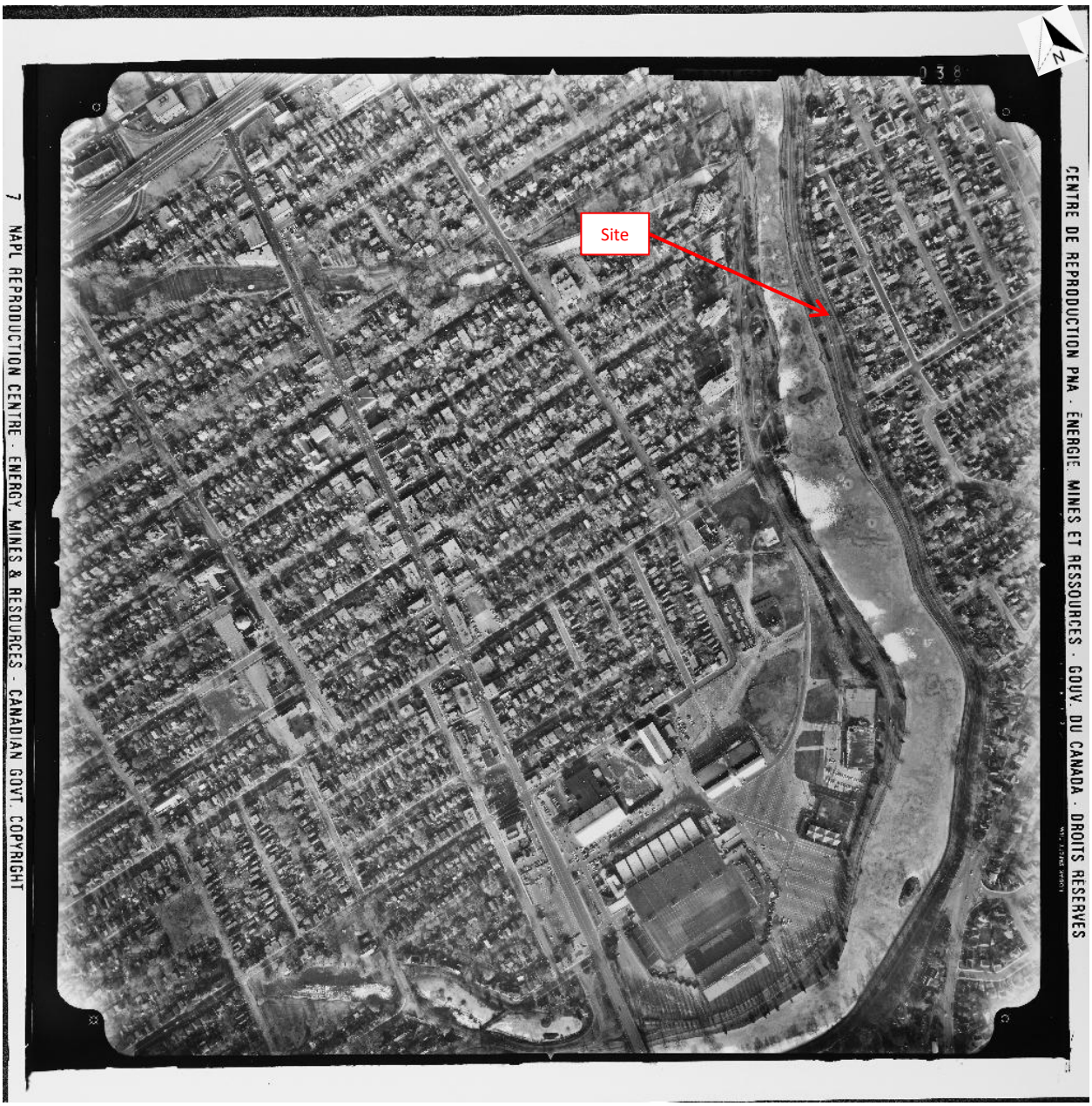



Source: National Air Photo Library

Roll Number: A20941

Photo Number: 028

# AERIAL PHOTOGRAPH (1976)

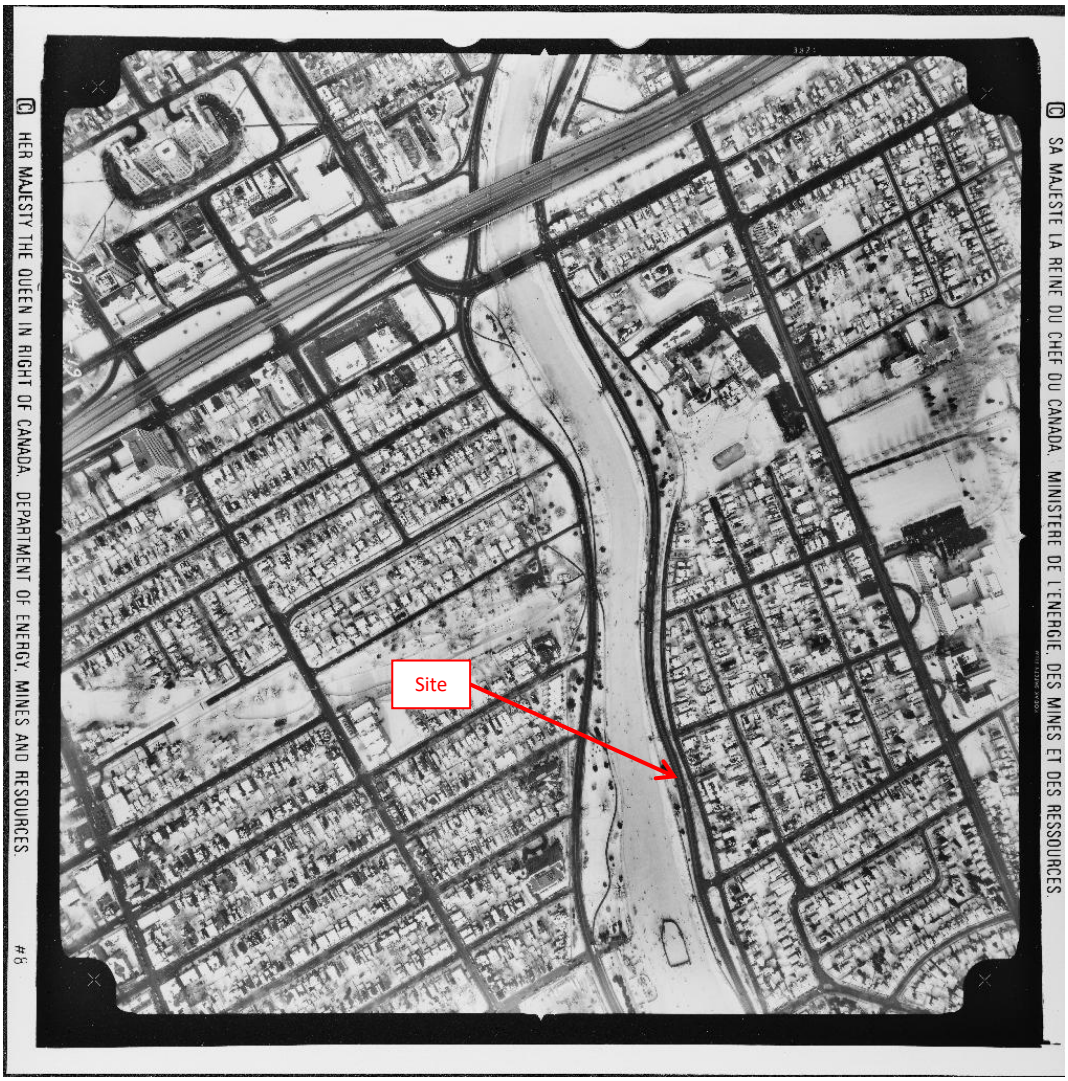



Source: National Air Photo Library

Roll Number: A24601

Photo Number: 307

# AERIAL PHOTOGRAPH (1984)

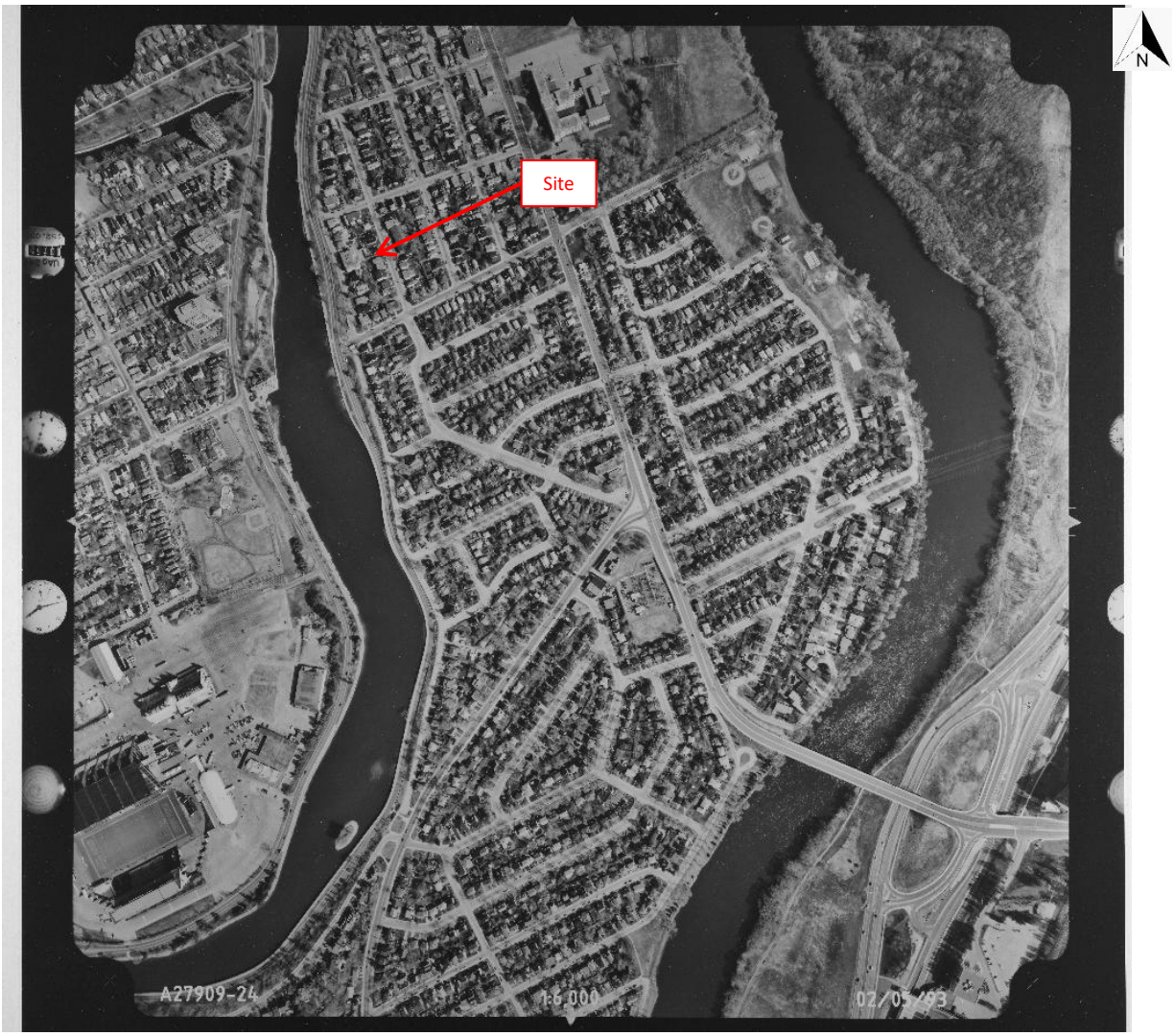



Source: National Air Photo Library

Roll Number: A26442

Photo Number: 019

# AERIAL PHOTOGRAPH (1993)




Source: National Air Photo Library

Roll Number: A27909

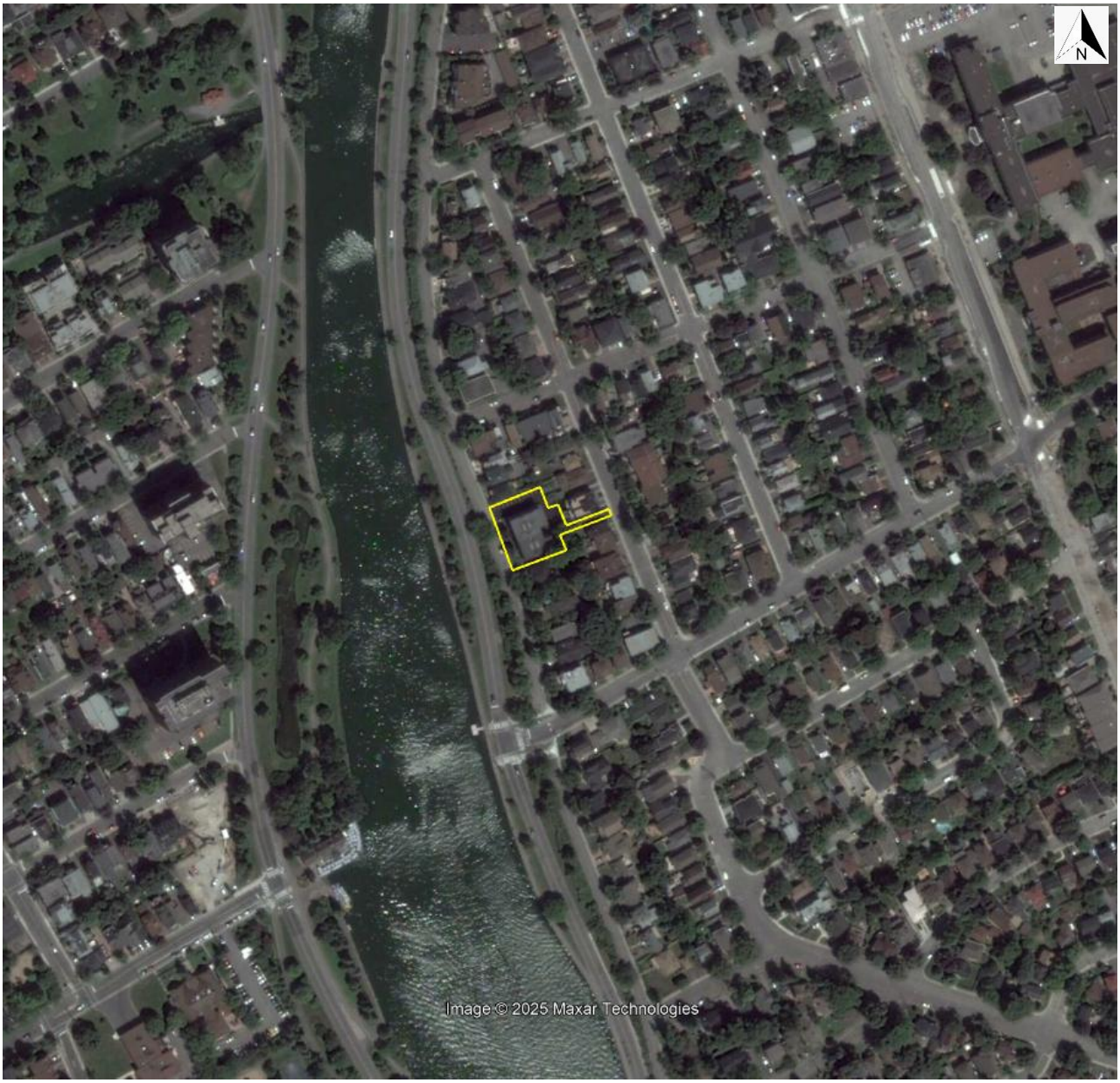
Photo Number: 024

## SATELLITE IMAGE (2007)



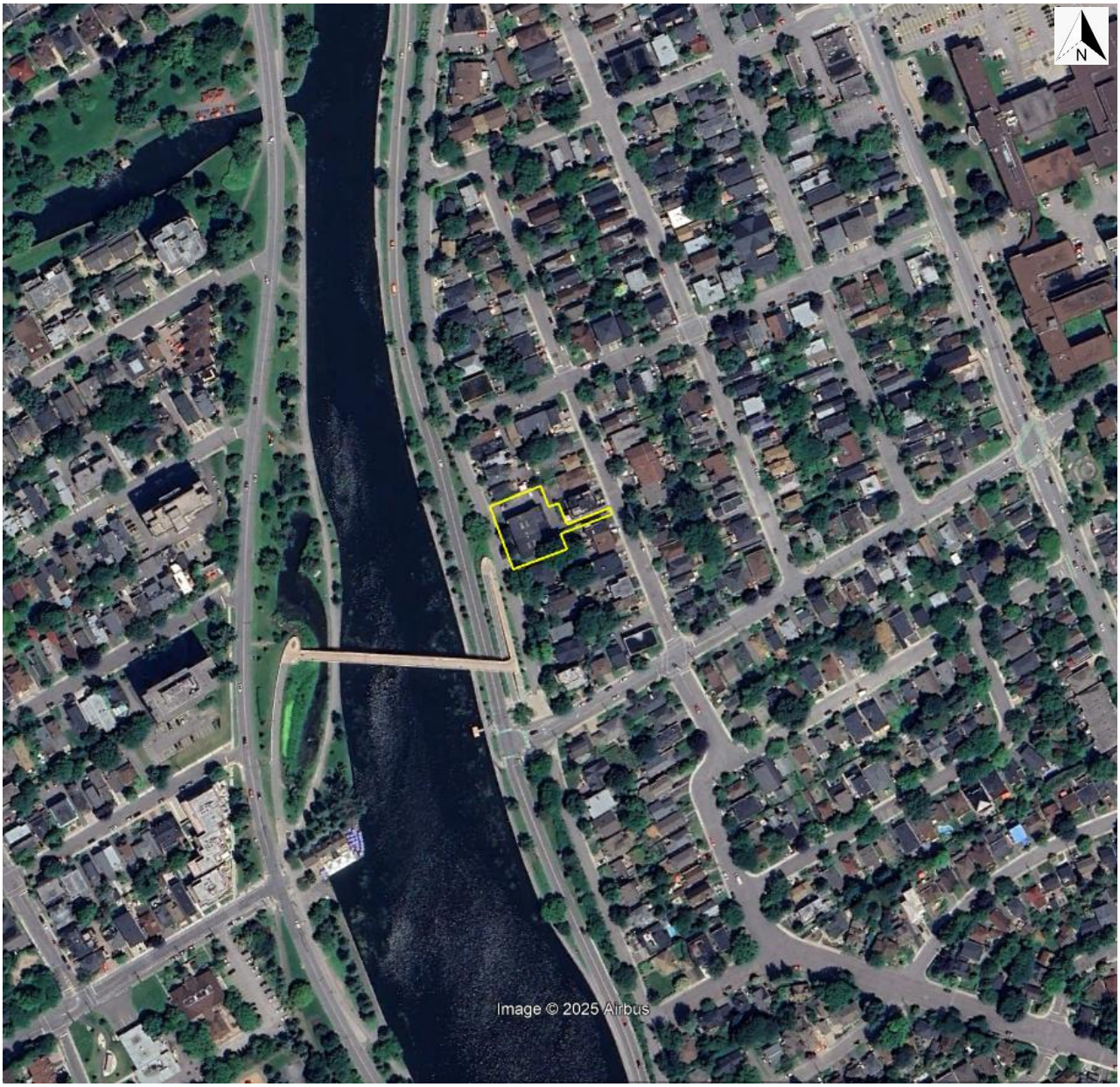

Source: Google Earth

## SATELLITE IMAGE (2016)




Source: Google Earth

## SATELLITE IMAGE (2025)




Source: Google Earth

# APPENDIX E – SITE RECONNAISSANCE PHOTOGRAPHS

## Photograph 1



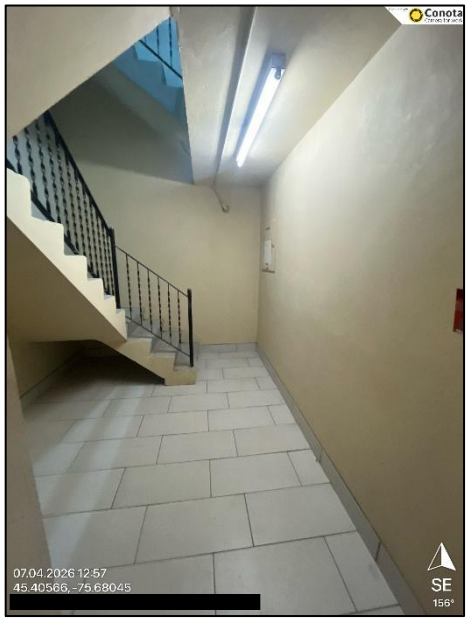

The front face of 441-443 Echo Drive (the Site)

## Photograph 2



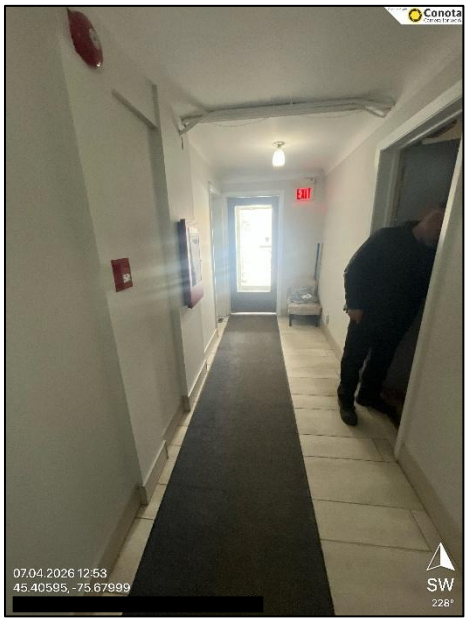

The rear face of 441-443 Echo Drive (the Site)

## Photograph 3




Example photo of the interior of the on-site residential building

## Photograph 4



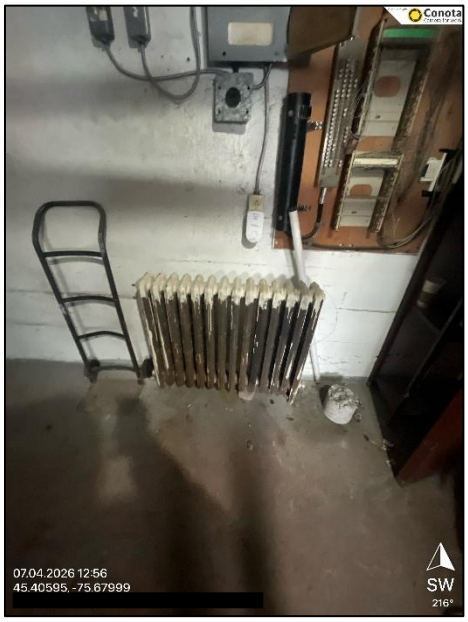

Example photo of the interior of the on-site residential building

## Photograph 5




Example of the heating units observed throughout the on-site residential building

## Photograph 6




Example of the heating units observed throughout the on-site residential building

## Photograph 7




Water heater observed in the mechanical room in the western portion of the on-site residential building

## Photograph 8




Sump observed in the mechanical room in the western portion of the on-site residential building

## Photograph 9




Rideau Canal observed approximately 40 m west of the Site

## Photograph 10




North-adjacent property (435 Echo Drive)

## Photograph 11




East-adjacent property (172-174 McGillivray Street)

## Photograph 12




South-adjacent property (447-449 Echo Drive)

# APPENDIX F – DATABASE SEARCH REPORTS

# CITY DIRECTORY

| | |
|---|---|
| **Project Property:** | *2512064_441-443 Echo Drive. Ottawa*<br>*441-443 Echo Drive, Ottawa, ON K1S 1N6*<br>*Ottawa,ON K1S 1N6* |
| **Project No:** | *jbrooks@geoterracs.com* |
| **Requested By:** | *GeoTerracs Inc.* |
| **Order No:** | *26021600965* |
| **Date Completed:** | *February 17, 2026* |

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

February 17, 2026
RE: CITY DIRECTORY RESEARCH
441-443 Echo Drive, Ottawa, ON K1S 1N6
Ottawa,ON K1S 1N6

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:**

420-460 of Echo Dr

**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 | |
| 1993-94 | POLKS | |
| 1987 | MIGHTS | |
| 1981-82 | MIGHTS | |
| 1976 | MIGHTS | |
| 1971 | MIGHTS | |
| 1966 | MIGHTS | |
| 1960 | MIGHTS | |
| 1955 | MIGHTS | |
| 1950 | MIGHTS | |
| 1945 | MIGHTS | |
| 1941 | MIGHTS | |
| 1936 | MIGHTS | |
| 1931 | MIGHTS | |
| 1924 | MIGHTS | |
| 1920 | MIGHTS | |

## 2023 ECHO DR

*SOURCE: DIGITAL BUSINESS DIRECTORY*

427 **C THEODOSSIOU**...*RESIDENTIAL*
435 **W ONATE**...*RESIDENTIAL*
441 **E MALLOY**...*RESIDENTIAL*
441 **M BRASSET**...*RESIDENTIAL*
441 **N BONNEAU**...*RESIDENTIAL*
441 **P WHEELER**...*RESIDENTIAL*
441 **T FLETCHER**...*RESIDENTIAL*
443 **B HOLLANDER**...*RESIDENTIAL*
443 **JESSICA HIBBERD**...*RESIDENTIAL*
443 **L WASILEWSKI**...*RESIDENTIAL*
443 **MARIE CRAIG**...*RESIDENTIAL*
443 **S THOMSON**...*RESIDENTIAL*
443 **THOMAS WILKINSON**...*RESIDENTIAL*
447 **M VANTERVE**...*RESIDENTIAL*
447 **N NEL**...*RESIDENTIAL*
449 **J GREEN**...*RESIDENTIAL*
451 **J ABELL**...*RESIDENTIAL*
459 **A DEGANI**...*RESIDENTIAL*

## 2021 ECHO DR

*SOURCE: DIGITAL BUSINESS DIRECTORY*

427 **C THEODOSSIOU**...*RESIDENTIAL*
435 **W ONATE**...*RESIDENTIAL*
441 **E T MALLOY**...*RESIDENTIAL*
441 **M BRASSET**...*RESIDENTIAL*
441 **N BONNEAU**...*RESIDENTIAL*
441 **P WHEELER**...*RESIDENTIAL*
441 **T FLETCHER**...*RESIDENTIAL*
443 **B HOLLANDER**...*RESIDENTIAL*
443 **JESSICA L HIBBERD**...*RESIDENTIAL*
443 **L WASILEWSKI**...*RESIDENTIAL*
443 **MARIE CRAIG**...*RESIDENTIAL*
443 **S THOMSON**...*RESIDENTIAL*
443 **THOMAS WILKINSON**...*RESIDENTIAL*
447 **M VANTERVE**...*RESIDENTIAL*
447 **N NEL**...*RESIDENTIAL*
451 **J ABELL**...*RESIDENTIAL*
459 **A DEGANI**...*RESIDENTIAL*

## 2017 ECHO DR

*SOURCE: DIGITAL BUSINESS DIRECTORY*

421 **CREATIVE INTERIORS**...*INTERIOR DESIGN SVCS*

## 2012 ECHO DR

*SOURCE: DIGITAL BUSINESS DIRECTORY*

421 **CREATIVE INTERIORS**...*INTERIOR DESIGN SVCS*

## 2006-07 ECHO DR

*SOURCE: VERNONS*

| | | |
|---|---|---|
| ■413 | Angeconeb M | 233-1736 |
| 415 | Apartments | |
| 4) -- | LeFort Susan | 234-3131 |
| X -- | Adam M | 236-4195 |
| ■ -- | Bourdeau P | 237-9787 |
| X 5 | Wong C | 238-2784 |
| X 6 | Wong J L | 234-2146 |
| 1)421 | Creative Interiors | ▲232-7250 |
| 421 | Apartments | |
| 2) 1 | Kowalik Len | 230-9853 |
| 4)425 | Lowans Ed | 237-6302 |
| X427 | Colizza J | 232-9373 |
| X427 | Colizza James | 232-9871 |
| ■431 | Elie M | 565-5821 |
| ■433 | Stanley A | 234-9356 |
| 433 | Apartments | |
| 2) Apt | Bruni A | 233-4080 |
| 1)435 | Sauve N R | 236-2730 |
| 441 | Apartments | |
| X -- | Redler A M | 231-5289 |
| 1) -- | Jakeway T | 231-7441 |
| X -- | Fletcher Ken | 237-5461 |
| 5) -- | Malloy E | 565-4302 |
| 5) -- | Malloy T | 565-4302 |
| 5) -- | Marshall T | 565-4302 |
| 4) -- | Gulder S | 565-5750 |
| 1) 3 | Stephens Jack | 233-2863 |
| 3) 7 | Bonneau N | 567-4266 |
| 443 | Apartments | |
| 1) -- | Chamberlain M | 230-0789 |
| X -- | Tolan M M | 230-7020 |
| X -- | Wasilewski L | 236-1339 |
| ■ 2 | Dennis R | 230-0528 |
| X 4 | Hollander B | 235-4012 |
| X 1a | Wilkinson Thomas | 232-6391 |
| 5)447 | A Nel N | 230-0788 |
| 7)447 | Vant Erve M | 230-7850 |
| X451 | Abell J | 237-0491 |
| X451 | Sargent N | 237-0491 |
| 451 | Apartments | |
| 1) 3 | Doig Audrey M | 236-4095 |
| X455 | Charron T | 234-0549 |
| 5)455 | Dunn M | 569-2875 |
| 455 | Apartments | |
| 1) 3 | Kovacs S | 231-5936 |
| 459 | Apartments | |
| 2) -- | Myers L D | 231-7082 |
| 1) -- | Ostiguy M | 234-3292 |
| 2) -- | Miliauskas R | 236-5566 |
| ■ -- | Degani a | 565-1147 |
| X467 | Cusinato C K | 565-6226 |
| 2)473 | Lichacz F | 234-6042 |
| 1)523 | Charlton J | 233-6444 |
| 8)525 | Baker M&L | 230-5121 |

## 2000 ECHO DR

*SOURCE: POLKS*

| | | |
|---|---|---|
| | (N)Rooseboom Carl J. | K1S 1N5 567-6620 |
| 415 | Adam M | K1S 1N5 236-4195 |
| | Bagshaw Darin | K1S 1N5 233-0312 |
| | Mac Lellan S | K1S 1N5 234-0910 |
| | Mc Ginn S | K1S 1N5 230-7941 |
| | #5 Wong C | K1S 1N5 238-2784 |
| | #6 Wong J L | K1S 1N5 234-2146 |
| 421 | Simpson Patricia | K1S 1N6 237-6033 |
| | Viitaniemi Stephen | K1S 1N6 237-6033 |
| 423 | Nandi Amit | K1S 1N6 233-5844 |
| | Saraswati Jeea | K1S 1N6 233-5844 |
| 427 | Colizza James ☗ | K1S 1N6 232-9871 |
| 431(N) | Nickolas T | K1S 1N6 230-6693 |
| | (N)Nickolas Todd | K1S 1N6 230-6909 |
| 433 | Luff E | K1S 1N6 567-6578 |
| | (N)Martin D M | K1S 1N6 236-8518 |
| 435 | Lefebvre V ☗ | K1S 1N6 235-9332 |
| 441(N) | Adachi J | K1S 1N6 236-0854 |
| | #7 Bonneau N | K1S 1N6 567-4266 |
| | Clements Hugh | K1S 1N6 234-7395 |
| | Fletcher Ken | K1S 1N6 237-5461 |
| | (N)Gaudet M | K1S 1N6 565-2310 |
| | Kort M | K1S 1N6 567-0866 |
| | (N)Redler A M | K1S 1N6 231-5299 |
| | (N)Venbitti J | K1S 1N6 565-5564 |
| 443 | Collett C | K1S 1N6 236-3368 |
| | #4 Hollander B | K1S 1N6 235-4012 |
| | #2 Quinn Norman E | K1S 1N6 235-3108 |
| | Tolan M M | K1S 1N6 230-7020 |
| | Wasilewski L | K1S 1N6 236-1339 |
| | #1A Wilkinson Thomas | K1S 1N6 232-6391 |
| 447 | Vant Erve M | K1S 1N6 230-7850 |
| 451 | Abell J | K1S 1N6 237-0491 |
| | Henderson E | K1S 1N6 233-9720 |
| | Sargent N | K1S 1N6 237-0491 |
| 455 | Charron T ☗ | K1S 1N6 234-0549 |
| | Martinez M | K1S 1N6 233-4490 |
| | (N)Rowand Fraser | K1S 1N6 234-5871 |
| | (N)Sharman M | K1S 1N6 234-5871 |
| 459(N) | Craig C C | K1S 1N6 569-5936 |
| | Davidson H | K1S 1N6 237-2587 |
| | (N)Grills T | K1S 1N6 237-8113 |
| | (N)Hobbs Dorothy & Jack | K1S 1N6 237-0268 |
| | (N)Sepa M | K1S 1N6 234-1330 |
| 467 | Cusinato C K ☗ | K1S 1N7 565-6226 |
| 473 | Lacosta Peter ☗ | K1S 1N7 234-6042 |
| 523(N) | Kriz Goran | K1S 1N7 230-1871 |
| 525 | Baker Allen | K1S 1N7 230-9995 |

**1997** ECHO DR
*SOURCE: POLKS*

# ECHO DR

**Address**

#6 Wong J L [2] .....
421 Simpson Patricia [2] .....
Viitaniemi Stephen [2]
423 Morton M [3] .....
425 Smith J R [2] .....
427 Colizza James [8] ☗ .....
431 Ⓝ #8 Barnett C .....
Ⓝ Johnson Paul .....
435 Lefebvre W [9]+ ☗ .....
441 Ⓝ #7 Bonneau N .....
Clements Hugh [2] .....
Ⓝ Doherty Peter .....
Fletcher Ken [2] .....
#1A Hinton Ted [2] .....
Krauel Brian [8] .....
Redler A M [5] .....
Ⓝ Swain Dale .....
Ⓝ #3 Vardy Paul .....
443 #4 Hollander B [9]+ .....
#2 Quinn Norman E [9]+ .....
Tolan M M [5] .....
Ⓝ Walkington N .....
Wasilewski L [3] .....
#1A Wilkinson Thomas [9]+ .....
447 Ⓝ #A Durette R M .....
Rose Fernand [2] .....
451 Abell J [7] .....
#2 De Bellefeuille M C L [5] .....
Ⓝ Henderson E .....
Sargent N [2] .....
455 Charron T [9]+ ☗ .....
Ⓝ #1 Cooper T L .....
459 Grimes D J [2] .....
Ⓝ Richards R .....
#3 Winer Batia [2] .....
467 A PAINTWORKS INC ..
ALL SEASONS

**1993-94** ECHO DR
*SOURCE: POLKS*

416 Apartments
1 Hawkins D M [9]+ 235-2968
2 Hubble M [2] 230-0832
3★Hendrycks Ed 233-7095
4 Not Verified
5★Wond C 238-2784
6 Wong J L [4] 234-2146
• HERRIDGE BEGINS
421 Charlebois Beryl A [2] 236-2762
423★Morton M 233-5334
425 Not Verified
427 Colizza James A & Claudia C [5]
1907 ◎ 232-9871
431 Hall Lynne C [4] 230-6053
433 Methuen Brad A [2] 231-2537
Gaul Carey A 231-2537
B★Wurtele G 238-6252
435 Lefebvre Wilfred E & Rose A [9]+
◎ 235-9332
Lefebvre Joseph 235-9332
441-443 WILLOWDALE APARTMENTS
1 Not Verified
1a Hinter Edward [2] 237-9212
2 Belanger Paul & Jose [2] 237-9358
3 Connell Jean [9]+ 235-7760
4 Mc Allister Frank J & Margaret M [4] 234-4250
5 Krauel Brian [5] 567-3700
6 Redler A M [2] 231-5289
7 Bonneau N [2] 457-4266
443 Apartments
★Wasilewski L 236-1339
1 Olsen Margt D [9]+ 232-8602
1a Wilkinson Thomas [8] 232-6391
2 Quinn Norman E & Bernice J [9]+ 235-3108
3 Tolan Margaret M [2] 230-7020
4 Hollander Barbara L [8] 235-4012

## 1987 ECHO DR

*SOURCE: MIGHTS*

6★Malek S 231-4088
HERRIDGE BEGINS
421★Angus Douglas 231-4478
423★Gendron Hewe 594-3205
★Hartstock F 231-6990
425★Smith J R 230-8636
427 No Return
431 Kennedy L 236-6070
433★Stacy Dean 235-1648
435 Lefebvre Wilfred E © 235-9332
441-443 Willowdale Apartments
1 King Douglas M 230-5976
1a★Perry C 594-3664
2 Chevrier Jacques E © 234-0587
3 Connell J 235-7760
4 Vacant
5 Ross L 233-9368
6 Mackie E L
7★Kanik Stan A 235-2724
443 Apartments
1 Olsen Margt P 232-8602
1a Wilkinson Thomas 232-6391
2 Quinn N 235-3108
3 Tanner A T 594-5669
4 Hollander B 235-4012
5★Savard J 233-3098
6 Cohen B 238-3959
7★Paton David 236-5111
447 Rose Fernand F © 234-1005
447a Rose Francois 231-2880
449 Vacant
451 Apartments
1 Boucher Francine 236-5426
2 De Bellefeuille Marie 236-3824
3 Trudel Brian K 230-5170
455 Apartments
1 Gordon Daintry 230-9443
2 Charron Therese © 234-0549
3 Guenette Raymond
459 Saucier Therese N Mrs © 232-3370
459a Hale Ronald R
CLEGG ST BEGINS
467 Luce Martin © 236-2630

## 1981-82 ECHO DR

*SOURCE: MIGHTS*

HERRIDGE BEGINS
421★Doucet Jerry
423 Jurianz Russell 238-7819
425★Colizza Claudia © 232-9871
431 De Vries Jack 237-4841
433 Hookham Richd L 563-0651
435 Lefebvre Wilfred E © 235-9332
441-443 Willowdale Apartments
1★Gatensby M
1a Belec Michl 236-8887
2 Kosie Ronald S 233-8209
3★Mc Culloch Sandra 563-1171
5★Murphy L A
6★Amarica G
7 Kanik Stan A
443 Apartments
1 Olsen M P 232-8602
1a★Garnett C 234-7217
2 Quinn Norman
3★Fridenberg D 235-8132
4★Grenon M A 234-0134
5★Tipple M
6★Gratton P
7 Goodwin G F
447 Rose Fernand F © 234-1005
447a Moore Margt 563-1980
449 Leahy H Andrew © 237-0642
451 Boucher Francine
De Bellefeuille Marie 236-3824
Lauher Vital 233-7491
455 Therrien M 236-3421
Charron Therese 234-0549
Trebert Simone 233-7117
459 Saucier Thos © 232-3370
459a Girard Marc-Jacques 236-2164
467★Luce M P 236-2630
CLEGG BEGINS

www.erisinfo.com

## 1976 ECHO DR

*SOURCE: MIGHTS*

5 Capstick L M 234-2387
HERRIDGE BEGINS
421 No Return
423 No Return
425 Vacant
431 No Return
433 Semler Franz @ 233-2539
435 Lefebvre Wilfred E @ 235-9332
441-443 Willowdale Apartments
1*Reitano Vincenzo
2 Wismith P D
3 Fremes A
5 Hudson L J 234-8635
6*Slousi A
7 Kanic Stan A
443 Apartments
1 Olson M P 232-8602
1a Koningstein
2 Thurber A D
3 Bennett Ian E 236-1600
4 Hilker Douglas R 236-3051
5 Ward D G 237-5804
6 Goodwin G F 235-1066
7*Cohen G 235-9245
447 Rose Fernand @ 234-1005
447a Chatel Barbara 233-3332
449 Harrold Randy 238-3293
451 Blackeman Wm 232-3266
De Bellefeuille Marie 232-0760
Irwin Patk 234-0566
455 Therese Apartments
1*Bell M J
2 Charron Therese 234-0549
3 Trebert Simone 233-7117
459 Saucier Thos @ 232-3370
CLEGG BEGINS
473 Lacosta Peter @ 234-6042

## 1971 ECHO DR

*SOURCE: MIGHTS*

6 Lindsay Donald G 237-5827
HERRIDGE BEGINS
421 No Return
423 Caron Richd H 235-8610
425 Trudeau Cecile @ 234-9949
431 Semler Franz 233-2539
433 Denofrio James 235-4941
435 Lefebvre Wilfred E @ 235-9332
441-3 WILLOWDALE APTS
1 Gray Robt A 235-5789
2 Apthorp Keith L 236-7875
3 Wildsmith Peter D 236-5929
4 Wheaton Ethel P 232-2183
5 Burko Anna 233-9097
6 Fenton M B
7 Kanic Stan A
443 Apartments
1 Coker Chas W
2 Russell Aline F 237-4476
3 Waller Leslie G 233-8836
4 Phillips D 238-1178
5 Ward D G 237-5804
6 Henley Lawrence M
7 Stein K C 232-7640
447 Rose Fernand 234-1005
447A Chatel Barbara
449 Painchaud J Rene 234-4656
451 Apartments
1 Blakeman W 232-3266
2 de Bellefeuille Marie 232-0760
3 Irwin Patk 234-0566
455 THERESA APTS
1 Chisamore Gordon 236-8043
2 Charron Therese 234-0549
3 Trebart Simone 233-7117
459 Saucier Thos @ 232-3370
Villeneuve Roger 234-1869
CLEGG BEGINS

## 1966 ECHO DR

*SOURCE: MIGHTS*

RIDDELL BETTY M
6 VACANT
<> HERRIDGE ST COMMENCES
421 VACANT
423 BOWDEN FREDK A (JESSIE)
425*SABOURIN J ALBERT (CLAUDE)
431 VACANT
433*DENOFRIO JAMES (NORMA)
435*LEFEBVRE WILFRED (ROSE A)
441 -3 WILLOWDALE APARTMENTS
1 KELFORD ELIZTH G
2 VACANT
3 WATSON BEATRICE
4 WHEATON ETHEL P
DENSMORE KATHERINE
5 VACANT
6 CLEMENTS HUGH
(LILLIAN)
7 KANIK S A
443 1 VACANT
1 A VACANT
2 WARD DONALD (HELEN)
3 COULSON J PATRICK
4 VACANT
5 TURCOTTE LUCIEN
(RAYMONDE)
6 LARABIE R
7 VACANT
447 PERCY HERBERT (MARY)
447 A BIRKENMAYER ANDREW
449 PAINCHAUD J RENE
(JACQUELINE)
451* 1 KEARNEY WM (KATHRYN)
2 DE BELLEFEUILLE
MARIETTE
3 BARRETT EDITH
MALABRE KATHLEEN MRS
455 THERESA APARTMENTS
1 TESARSKI DANIEL O
2 ST LAURENT ERNEST
(THERESE)
3 GOLIGHTLY SCOTT G
(EDNA)
459*SAUCIER THOS (THERESE)
<> CLEGG ST COMMENCES
467* 1 BEATON WM E

## 1960 ECHO DR

*SOURCE: MIGHTS*

◆ Herridge street commences
421*Gervais Gertrude Mrs CE 4-8129
423 Evraire Alcide (Helen) CE 2-3203
425*Sabourin Albert (Claude) CE 5-2446
431 Wright Ernest (Dorothy)
433 MacKenzie Wm H CE 5-6284
435*Lefebvre Wilfred (Rose A) CE 5-9332
437 Campeau Raoul CE 4-5409
437½ Vacant
441-3 Willowdale Apartments
Apartments—
441 1 Belle-Isle Francois CE 2-7836
2 Sigvaldason John P (Olga) CE 5-5337
3 Watson Jas CE 2-5512
Watson Beatrice
4 Densmore Katherine CE 2-2183
Wheaton Ethel P
5 Proulx Gerard R J (Marie) CE 3-4818
6 Boyden John (Patricia) CE 4-5015
7 Ford Donald J (Janet) CE 5-5480
443 1 Teeke Gisela E CE 4-2055
1A Sandor Ted (Anna) CE 5-0856
2 Garvie Ronald C (Eva) CE 4-4421
3 Mackenzie Jas A (Sigrid) CE 4-1235
4 Chutter Stanley (Marguerite)
5 Freedman S G CE 4-8939
6 Burke Louis (Maria) CE 3-1092
7 Schroeder Karl A (Vera)
447 Baker Goldwin (Jeanne) CE 6-1971
447A McLeod Ralph (Ann) CE 4-2525
449 Painchaud J Rene (Jacqueline) CE 4-4656
451 1*Kearney Wm (Kathryn) CE 5-3696
2 de Bellefeuille Pierre A (Mariette) CE 2-0760
3 Treadwell Rose
455 Theresa Apartments
Apartments—
1 White Helene CE 3-5721
2 Lee Anthony P (Anne) CE 5-0815
3 Matthews William (Muriel) CE 5-4735
459*Roy Joseph H (Bernadette) CE 5-3794
◆ Clegg street commences
467*Beaton Wm E (Vina) CE4-7285

◆ Herridge street commences

421*Gervais Gertrude Mrs
423 Campbell Donald (Irene)
425 —
427 St Amand Edward (Edna)
429 Cote Leo (Lucienne)
431 McClure Cecil E (Ella)
433 MacKenzie Wm H (Elizabeth)
435*Lefebvre Wilfred (Rose A)
437 Brennan Peter D (Jessie)
437½ Campeau Raoul
441-443 Willowdale Apts



441 1 Twiblll George (Jane)
2 MacBrien Joseph (Ann)
3 Ostrander James P B (Lillian)
4 Drouin Jean P (Jacqueline)
5 Hindrichs Arthur H (Trudie)
6 Belyea A Douglas
7 Vacant

443 1 Vacant
1A Simser Gilbert J (Marjorie)
2 Colman Oscar (Marcia)
3 Perlmann Harold (Ciel)
4 Stevenson A Leslie (Stefanie)
5 Stephens Edwd A (Marjorie)
6 Grafton Bertram T
7 Sigvaldason John P (Olga)
447*Banns Harold R (Flora)
447A McLeod Ralph (Ann)
449 Painchaud J Rene (Jacqueline)
451 1*Abell Angus (Amy)
2 Slemon T Clark (Marie)
3 Hampson Anthony (Maureen)
459*Roy Joseph H (Bernadette)

◆ Clegg street commences

467*Beaton Wm E (Vina)



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## 1950 ECHO DR

*SOURCE: MIGHTS*

◆ Herridge street commences

421*Gervais Adelard (Gertrude)
423 Leggo John (Margt)
425*Lefebvre Aldea Mrs
427 St Amand Edward (Edna)
429 Cote Leo (Luclenne)
Norbury Robt (Florence)
431 McClure Cecil E (Ella)
433 MacKenzie Wm H (Elizabeth)
435*Lefebvre Wilfred (Rose A)
Van Alstine John (Amelia)
437 Brennan Peter D (Jessie)
437½ Caron Aurel (Clara)
441*Bowie Jackson G J (Lillian)
Knowles Sam S (Dorothy)
447*Banns Harold H (Flora)
449 Walker Ray
451 1 Dickson Wm (Gladys)
2 Napier Frank (A W)
3 Burrows Ethel G
459*Roy Joseph H (Bernadette)
◆ Clegg street commences

## 1945 ECHO DR

*SOURCE: MIGHTS*

413 1 Raynor J H
Reynolds H
2 McLane Paul V (Margt)
3 Gooderham Melville S (Elsie)
421*Gervais Adelard (Gertrude)
423 Leggo John (Margt)
425*Lefebvre Aldea Mrs
427 St Amand Edmund (Edna)
429 Cote Leo (Luclenne)
431 McClure Cecil E (Ella)
433 MacKenzie Wm H (Elizth)
435*McConnell Howard (Sally)
437 Brennan Peter D (Jessie)
437½ Popham John (Grace)
441 Sneath Harold C (Ella)
451 1 Guy Richd W (Beulah)
2 Guy Franklin
3 Edgar Douglas A (Elsie)
459*Roy Jos H (Bernadette)
◆ Clegg st commences
467*Beaton Wm E (Lucy) wood



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407*Dent Clarence S (Florence)

◆ Henridge st commences

421*Gervais Adelard (Gertrude)
423 Leggo John (Margt)
425*Lefebvre Aldea Mrs
427 St Amand Edwd (Edna)
429 Cote Leo (Lucienne)
431 McClure Cecil E (Ella)
433 MacKenzie Wm H (Elizth)
435*Pratt Cecil R (Katherine)
437 Brennan Peter D (Jessie)
437½ Popham John (Grace)
441 Crawford Geo Mrs
451 1 Guy Richd W (Beulah)
2*Guy Christina Mrs
459*Clark Chas D (Ethel)

◆ Clegg st commences

467*Beaton Wm E (Lucy) wood



◆ Henridge st commences

421 Gervais Adelard (Gertrude)
423 Lefebvre Aldea Mrs
425 Foley Wm E (Isabelle)
427 St Amand Edwd (Edna)
429 Spence John (Charlotte)
431 Hoare Robt J (Hilda)
433 Rideout Fredk G (Sarah)
435 Pratt Cecil R (Katherine)
437 Caron Chas
437½ LaBree John (Zalia)
441 Menard Adelard (Fallola)
451 Guy G F Mrs
459 Clark Chas D (Ethel)



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## 1931 ECHO DR

*SOURCE: MIGHTS*

411 Dent Flossie Mrs
◆ Herridge st commences
421 Gervais Saml (Selena)
423 Lefebvre Aldea Mrs
425 Baker Edwd (Eva)
427 St Amand Edwd (Edna)
429 Scharf Arthur (Maud)
431 Vacant
437 Caron Chas (Della)
441 Menard Adelard
451 Guy Geo F (Christina)
459 Clark Chas D (Ethel)
◆ Clegg st commences
467 Beaton W E wood dlr (Lucy)

## 1924 ECHO DR

*SOURCE: MIGHTS*

◆ Herridge st commences
421 Gervais Saml
423 Proulx Conrad
425 Chatterton Harvey
427 Carroll Danl
429 Turner Frank
431 Johnson Chas
437 Hapted Michl J, restr
441 Dey Mary Mrs
451 Guy Geo F
459 Clark Eliza Mrs
◆ Clegg st commences



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393 Boyle Samuel

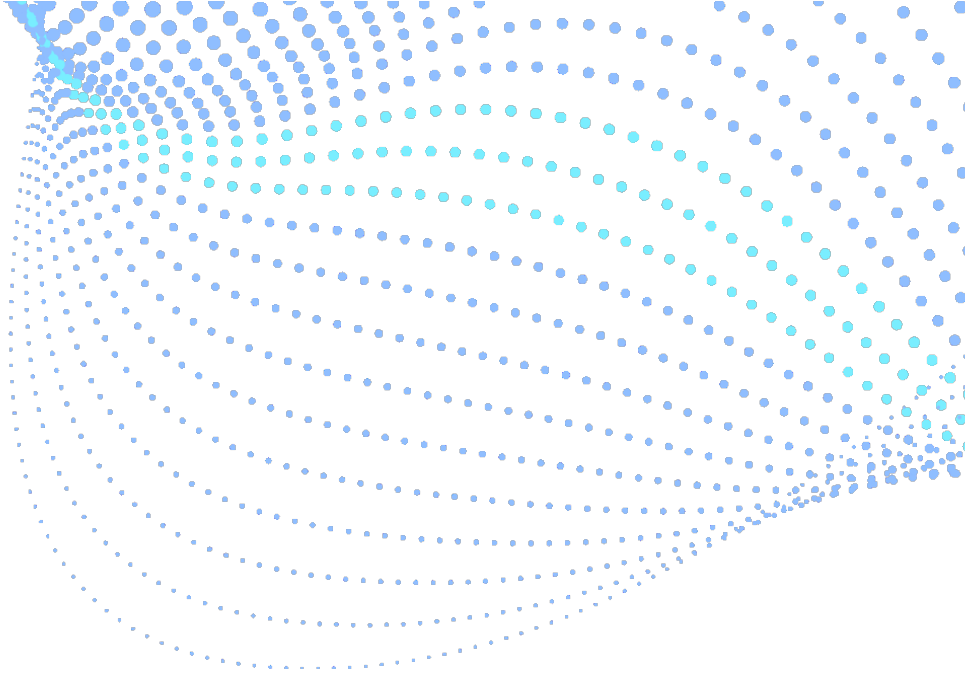
◆ Hazel st commences

401 Keyes Charles H
411 Brooks Hial W

◆ Herridge st commences

421 Gervais Saml
423 Fogan Michl
425 Finch Wm
427 Lefebvre Edouard F
429 Pilon Alfred
431 Johnson Chas
437 Hapted Michl J
441 Dey Wm F
451 Guy Geo F
459 Clark Eliza Mrs

◆ Clegg st commences



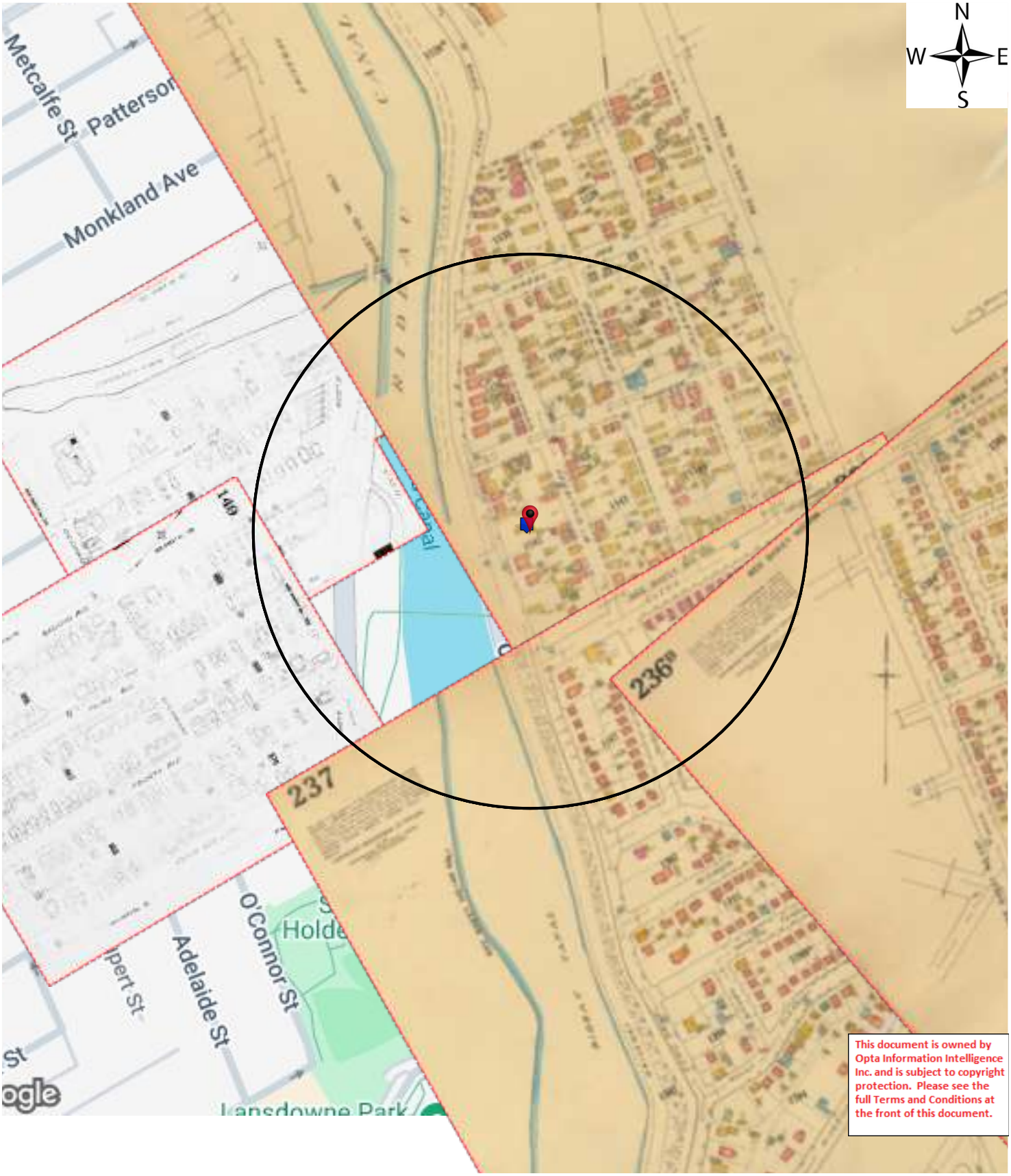
# Enviroscan Report

| | |
|---|---|
| Site address: | 441 443 Echo Drive Ottawa ON |
| Project #: | 26021600965 |
| P.O. #: | 171818 |
| Requested by: | Eleanor Goolab |
| Date Completed: | 2/23/2026 6:18:43 PM |

CONFIDENTIAL

Project #: 26021600965 | P.O. #: jbrooksgeoterracs.com
Requested by: Eleanor Goolab | Date Completed: 02/23/2026 18:18:43

# Search Area: 441 443 Echo Drive Ottawa ON




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# Historical Environmental Services Enviroscan Terms and Conditions

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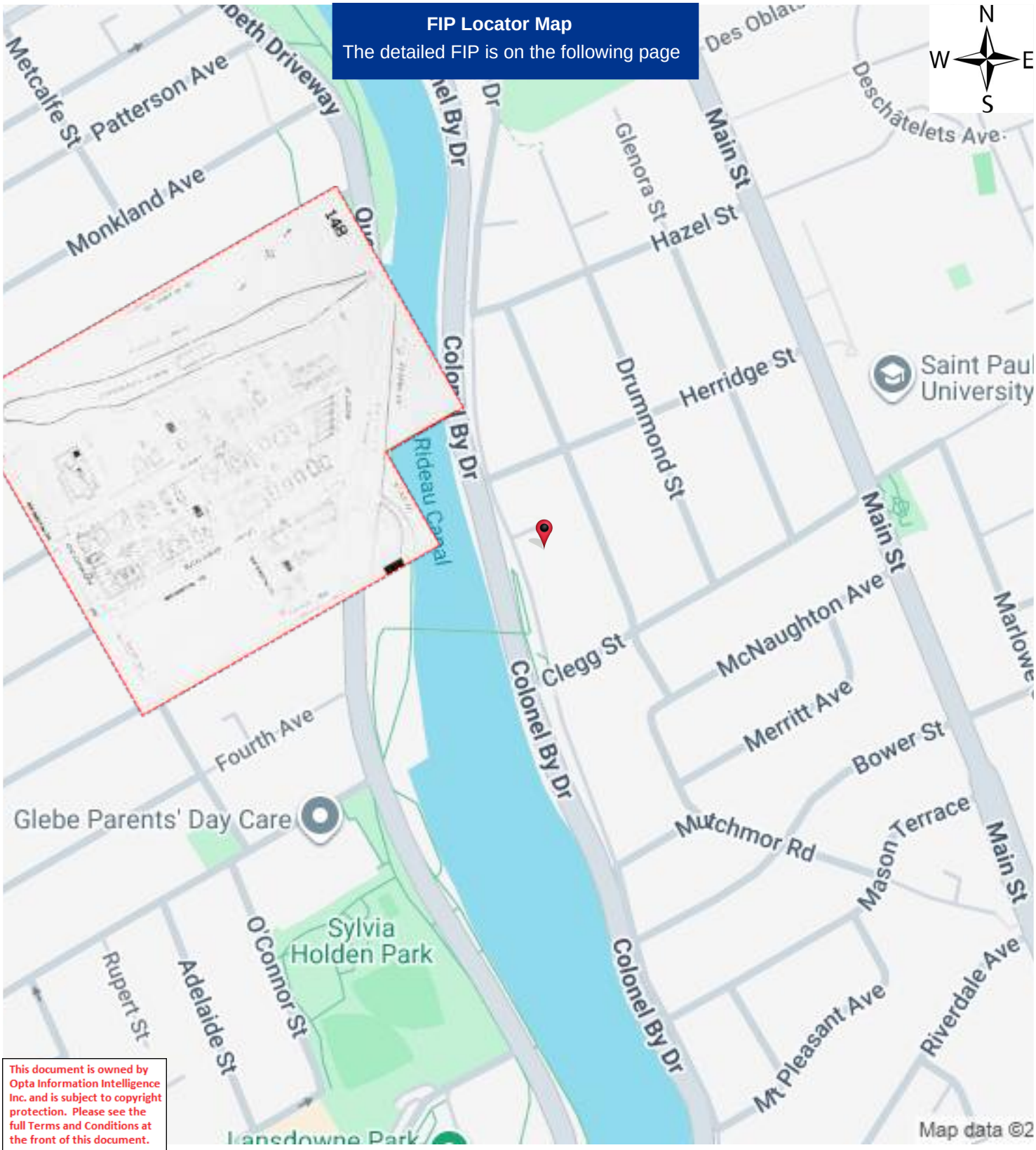
## 1948 Volume: Ottawa Firemap: 236b
## Ottawa Plan: 2992 (1948) | Sheet: 236B (1948)

| Page | Report Title |
|---|---|
| 6 | (1915) Volume: Ottawa Volume 2 Firemap: 148 |
| 8 | (1915) Volume: Ottawa Volume 2 Firemap: 149 |
| 10 | (1915) Volume: Ottawa Volume 2 Firemap: 161 |
| 12 | (1915) Volume: Ottawa Volume 2 Firemap: 162 |
| 14 | (1958) Volume: Ottawa Volume 2 Firemap: 236-3 |
| 16 | (1948) Volume: Ottawa Firemap: 236 |
| 18 | (1948) Volume: Ottawa Firemap: 237 |
| 20 | (1948) Volume: Ottawa Firemap: 236b |

21 (1953) Survey for Rating Fireproof (Fire-Resistive) Risks Report - 1953 441-443 Echo Drive Ottawa ON K1S1N6 (distance = 7 metres*)

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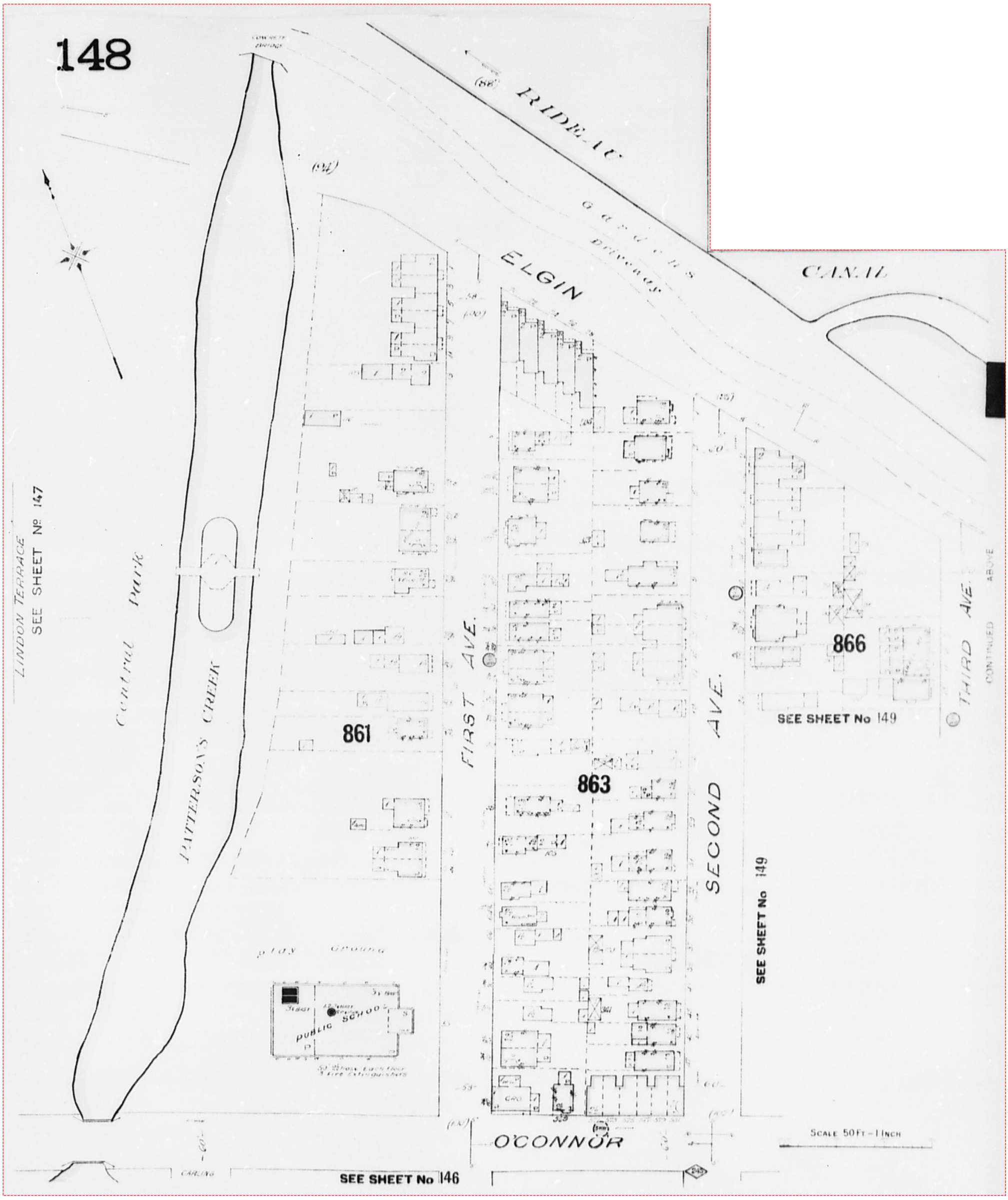
## 1915 Volume: Ottawa 2 Firemap: 148
## Ottawa Volume 2 Plan: 1433 (1902) | Sheet: 148 (1915)




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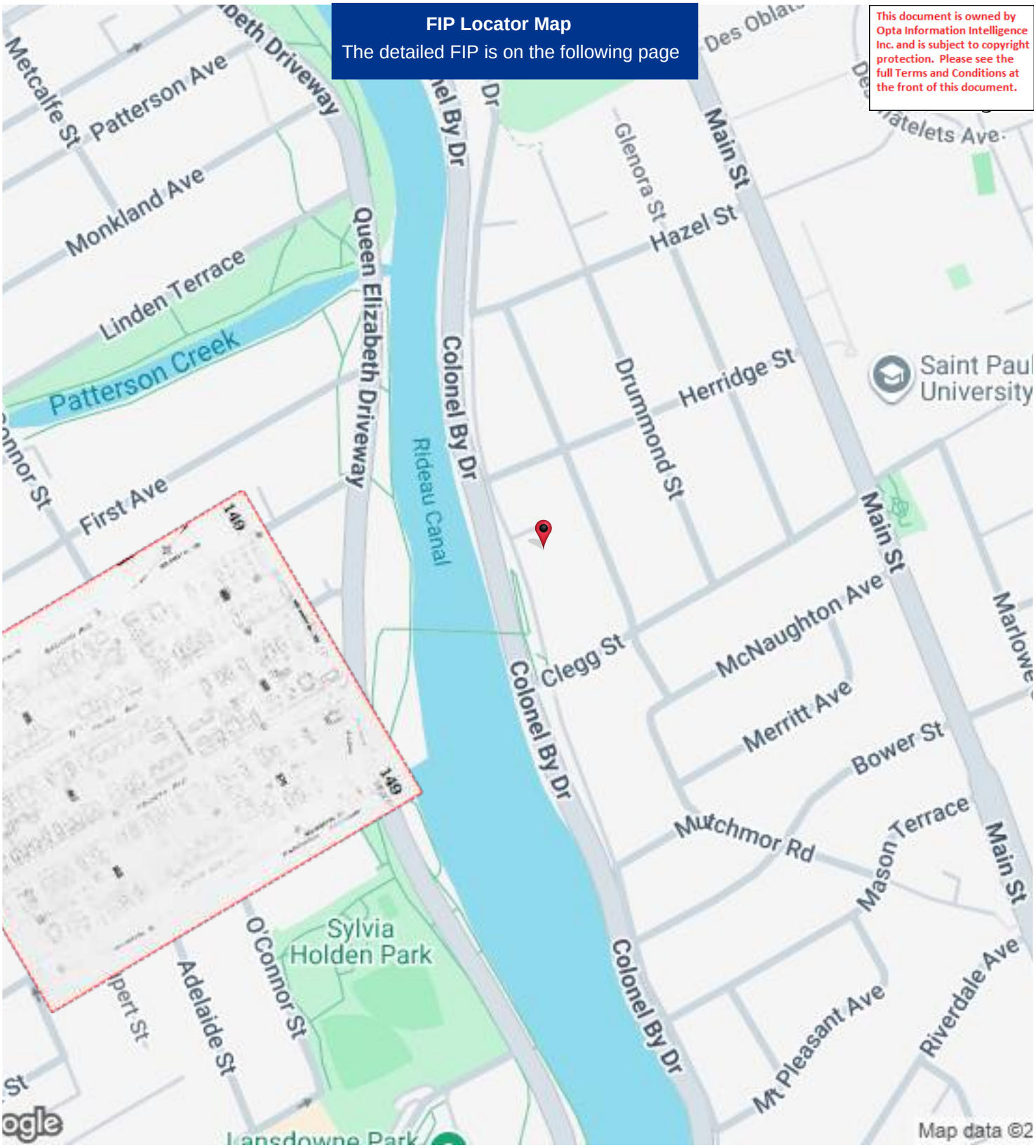
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1915 Volume: Ottawa 2 Firemap: 148
Ottawa Volume 2 Plan: 1433 (1902) | Sheet: 148 (1915)



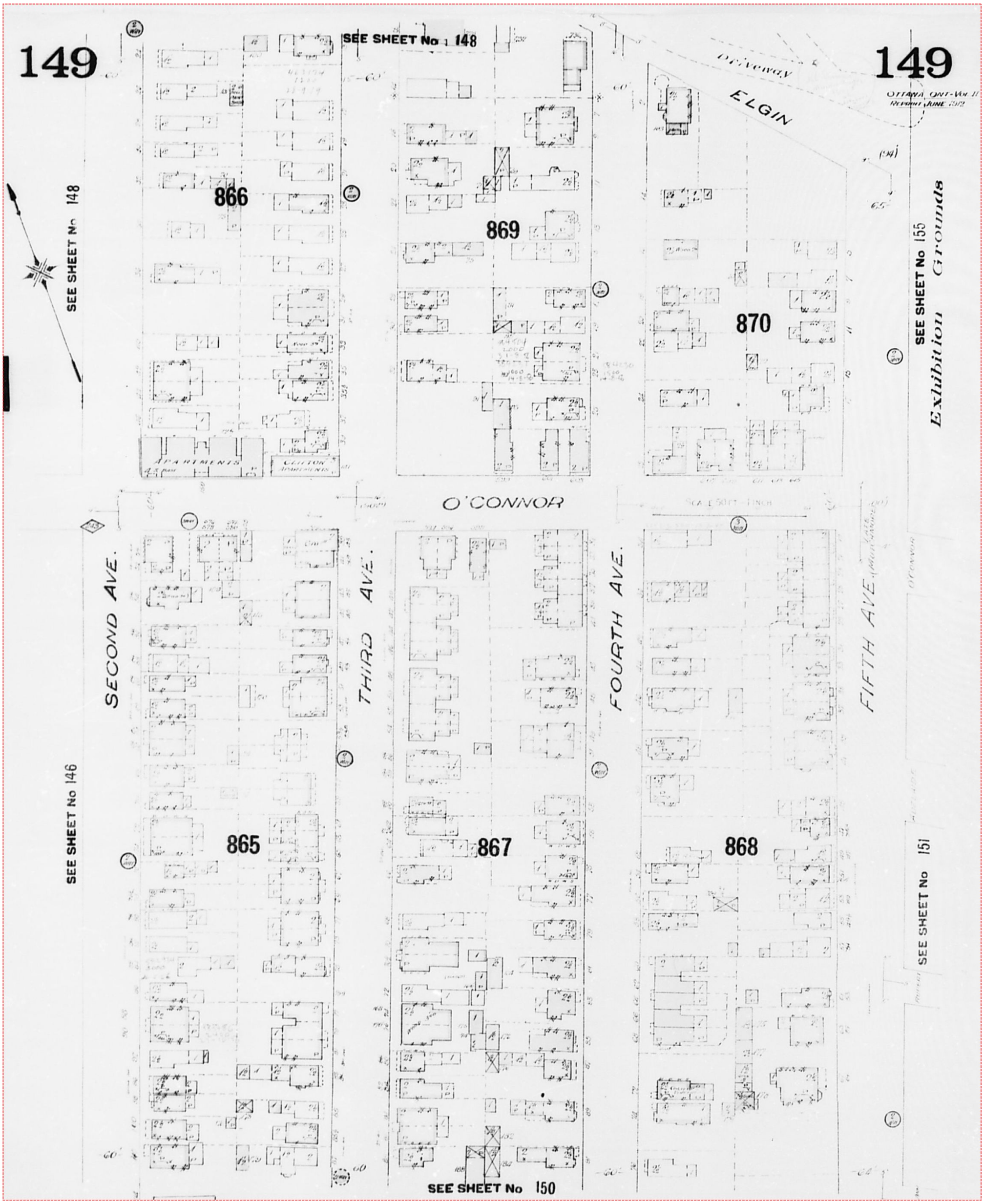
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## 1915 Volume: Ottawa 2 Firemap: 149
## Ottawa Volume 2 Plan: 1433 (1902) | Sheet: 149 (1915)



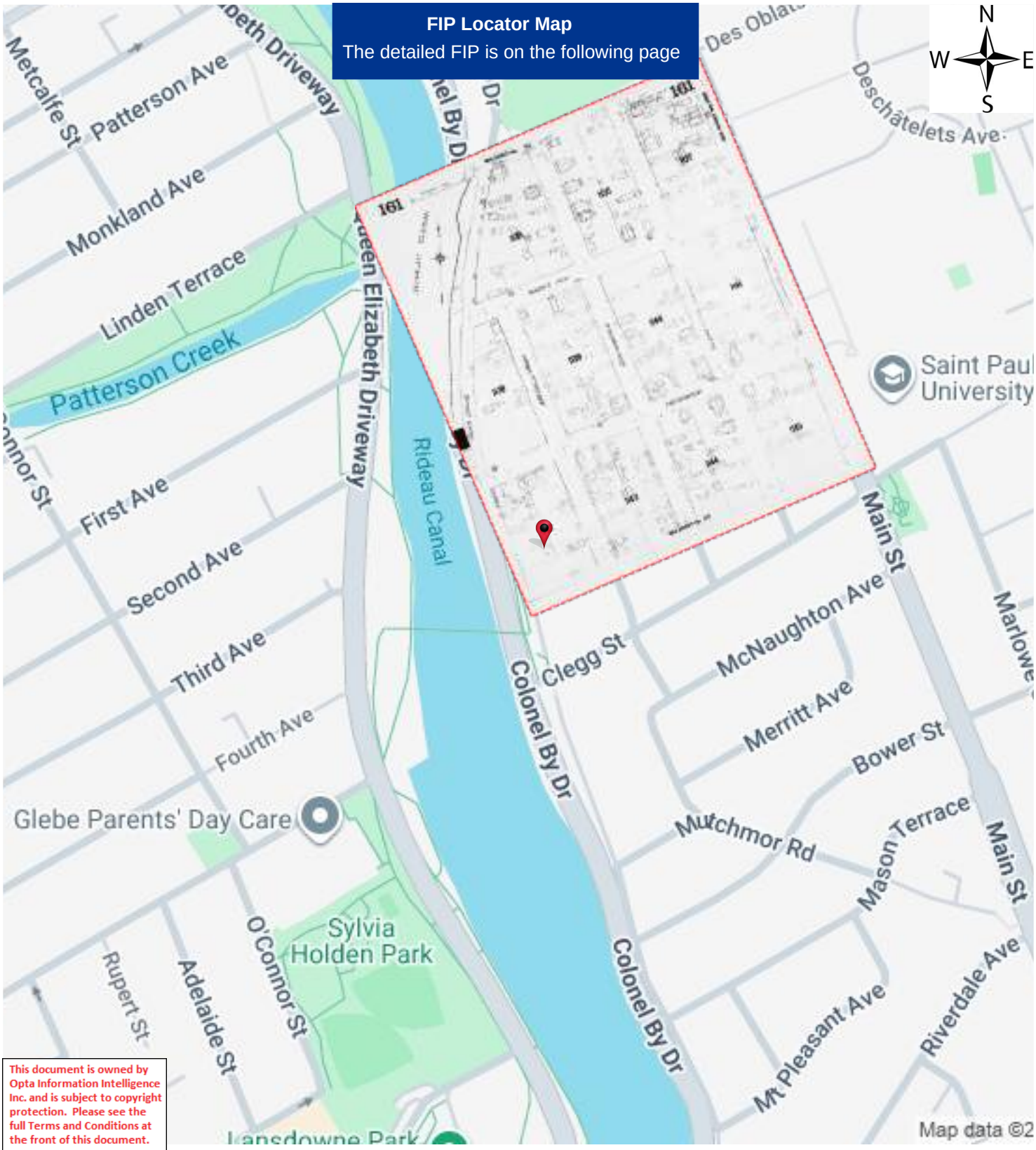
Project #: 26021600965 | P.O. #: jbrooksgeoterracs.com
Requested by: Eleanor Goolab | Date Completed: 02/23/2026 18:18:43

1915 Volume: Ottawa 2 Firemap: 149
Ottawa Volume 2 Plan: 1433 (1902) | Sheet: 149 (1915)



Project #: 26021600965 | P.O. #: jbrooksgeoterracs.com
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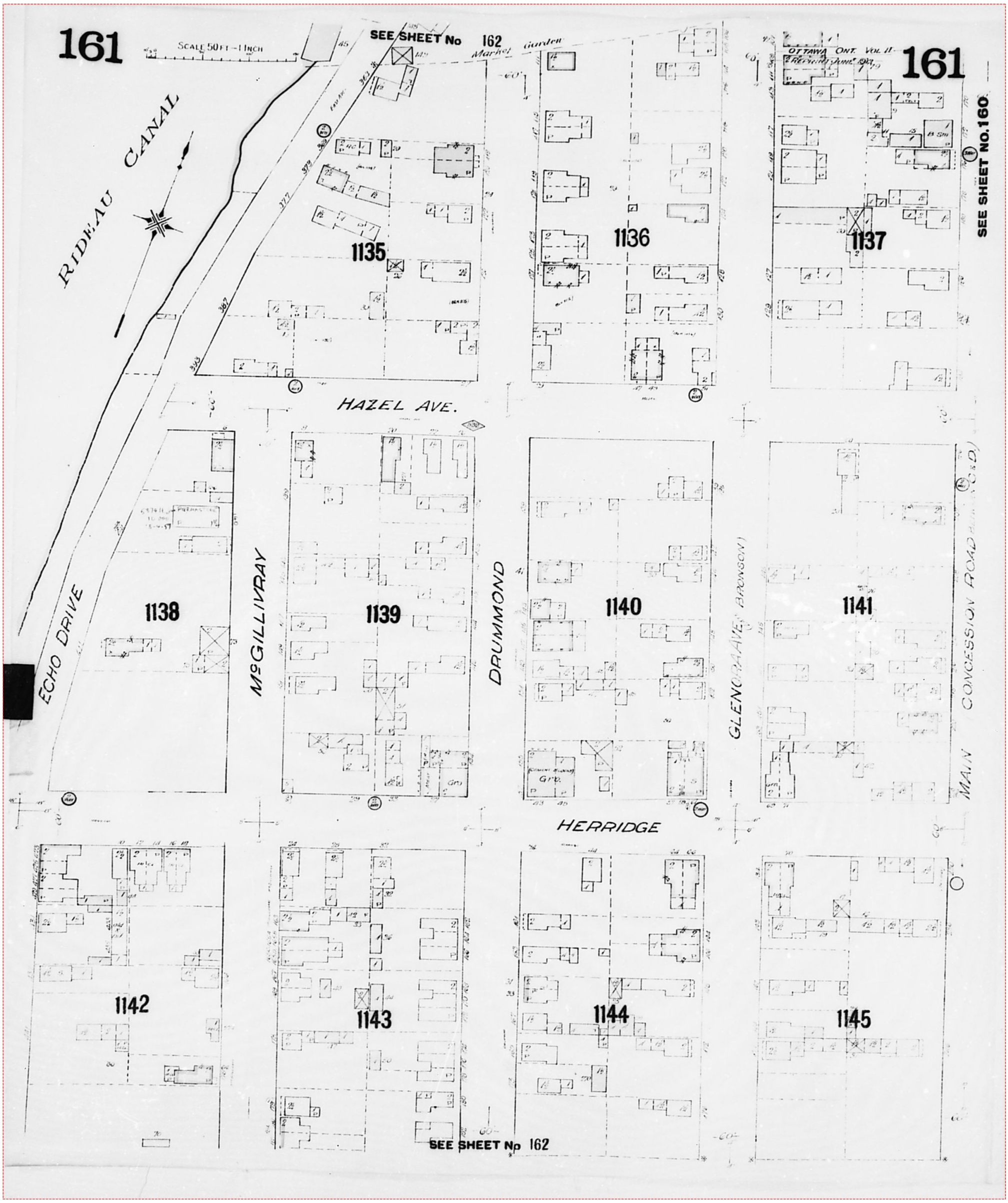
## 1915 Volume: Ottawa 2 Firemap: 161
## Ottawa Volume 2 Plan: 1433 (1902) | Sheet: 161 (1915)




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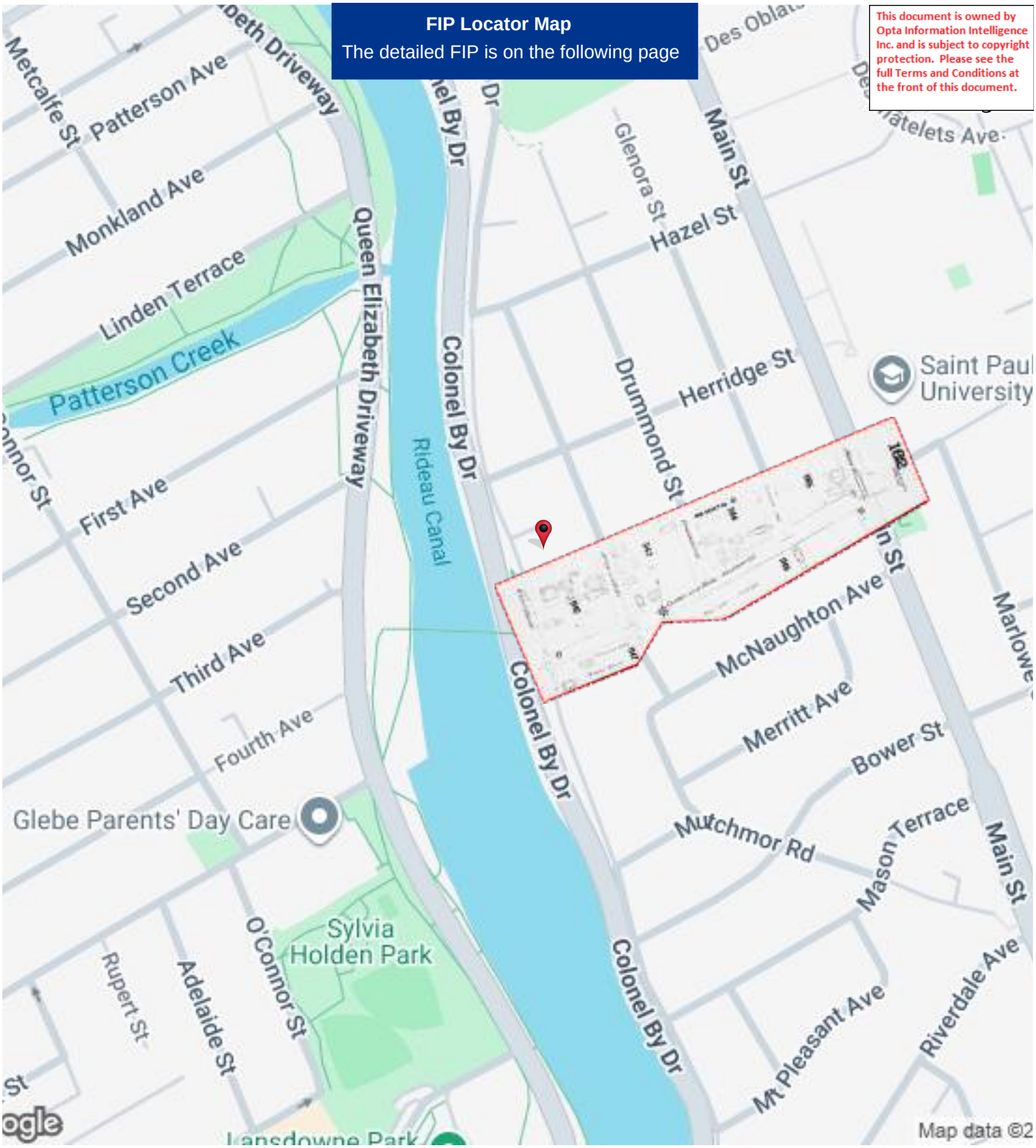
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Requested by: Eleanor Goolab | Date Completed: 02/23/2026 18:18:43

1915 Volume: Ottawa 2 Firemap: 161
Ottawa Volume 2 Plan: 1433 (1902) | Sheet: 161 (1915)



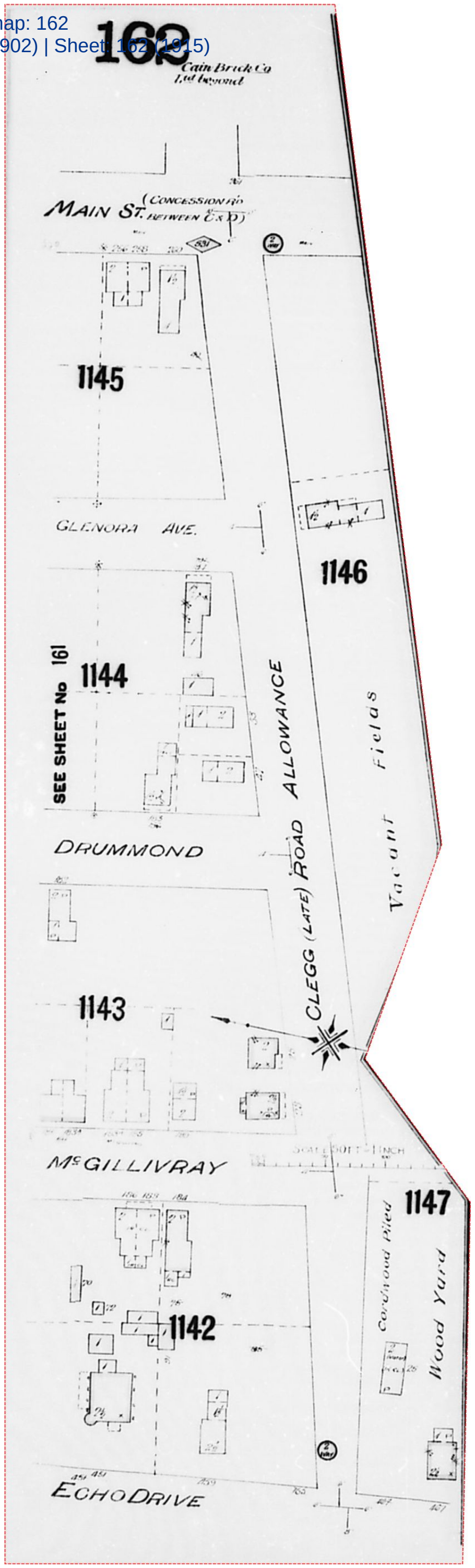
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Requested by: Eleanor Goolab | Date Completed: 02/23/2026 18:18:43

## 1915 Volume: Ottawa 2 Firemap: 162
## Ottawa Volume 2 Plan: 1433 (1902) | Sheet: 162 (1915)



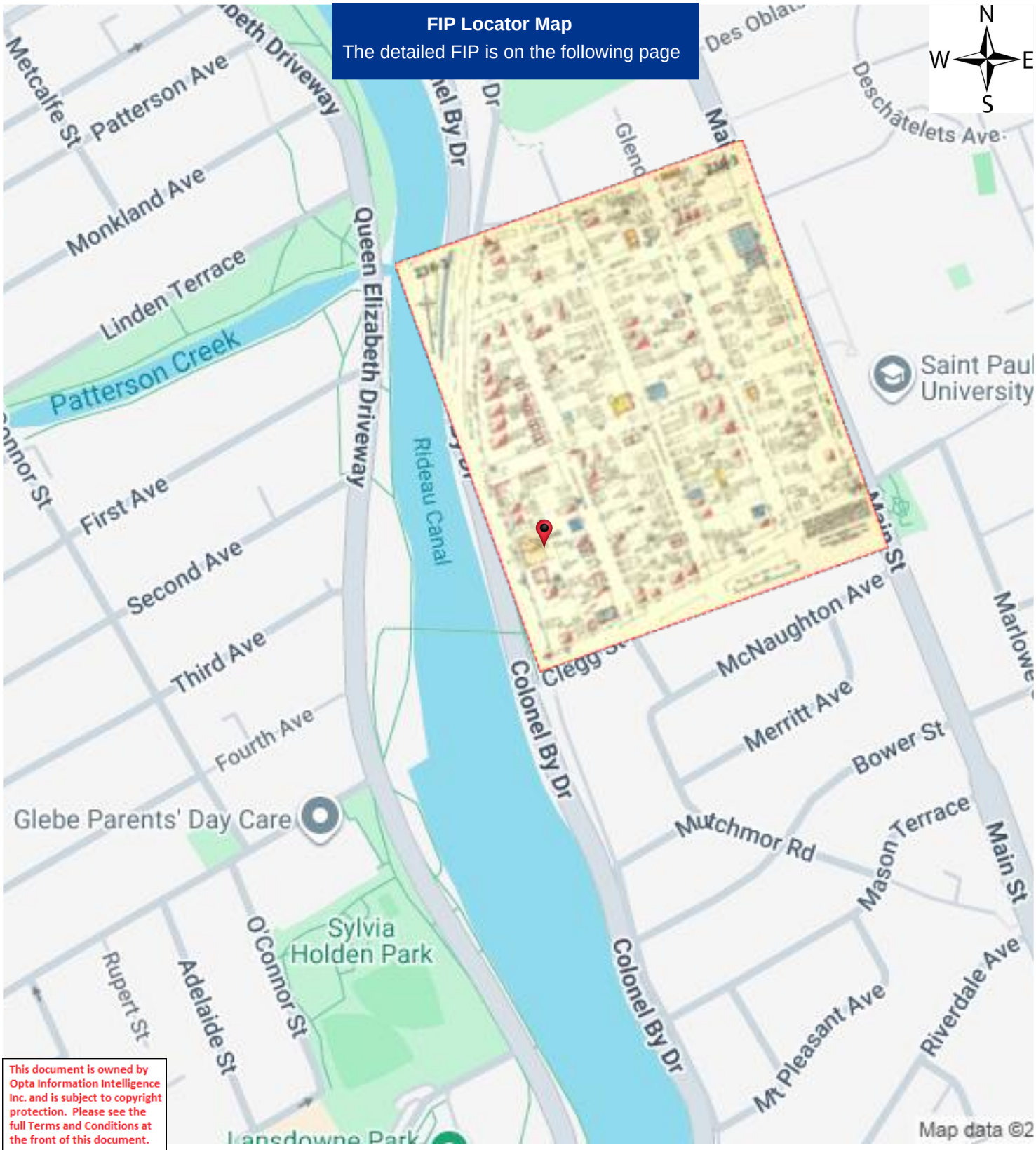
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Requested by: Eleanor Goolab | Date Completed: 02/23/2026 18:18:43

1915 Volume: Ottawa 2 Firemap: 162
Ottawa Volume 2 Plan: 1433 (1902) | Sheet: 162 (1915)



Project #: 26021600965 | P.O. #: jbrooksgeoterracs.com
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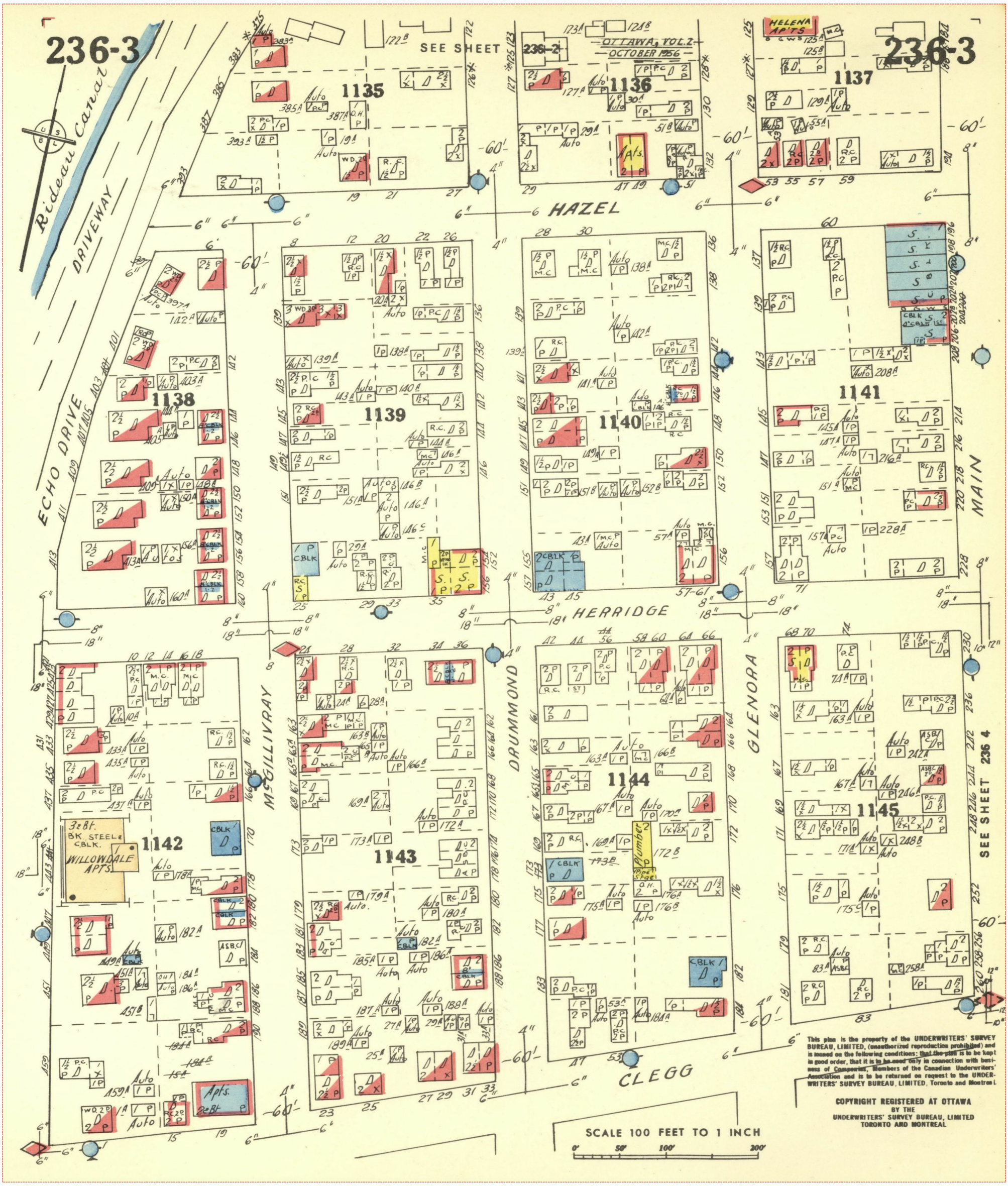
## 1958 Volume: Ottawa 2 Firemap: 236-3
## Ottawa Volume 2 Plan: 1448 (1956) | Sheet: 236-3 (1958)




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1958 Volume: Ottawa 2 Firemap: 236-3
Ottawa Volume 2 Plan: 1448 (1956) | Sheet: 236-3 (1958)



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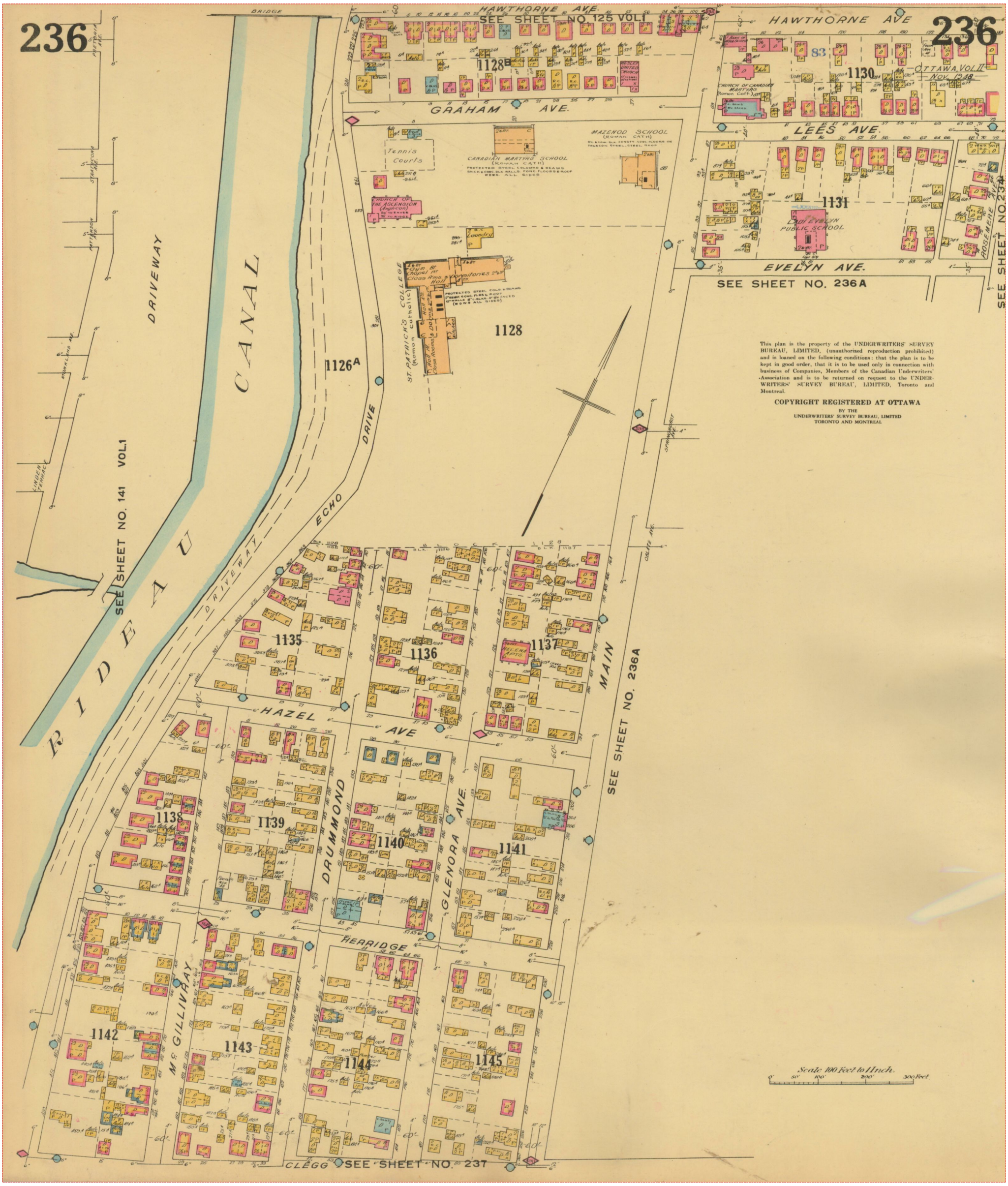
## 1948 Volume: Ottawa Firemap: 236
## Ottawa Plan: 2992 (1948) | Sheet: 236 (1948)




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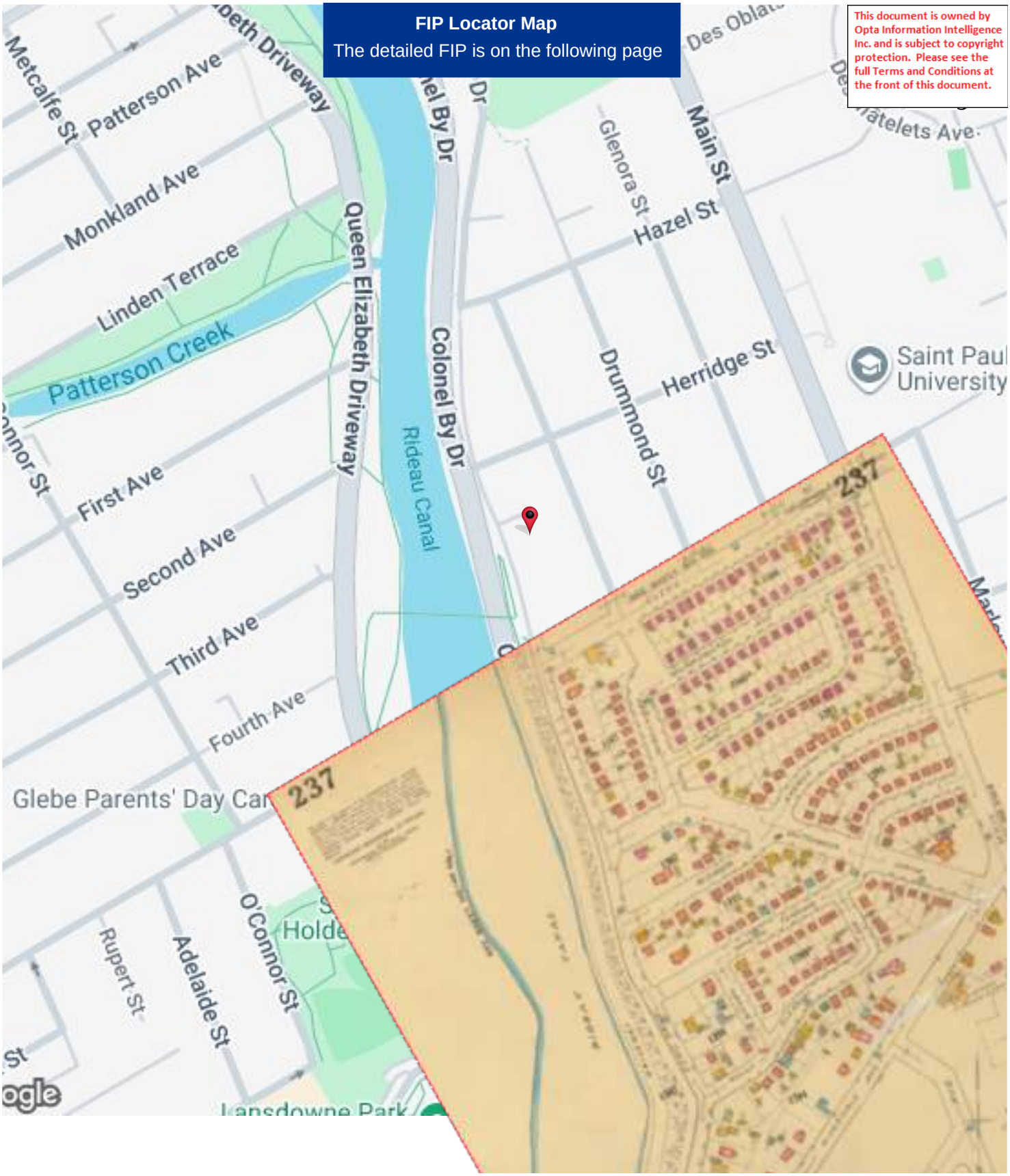
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1948 Volume: Ottawa Firemap: 236
Ottawa Plan: 2992 (1948) | Sheet: 236 (1948)



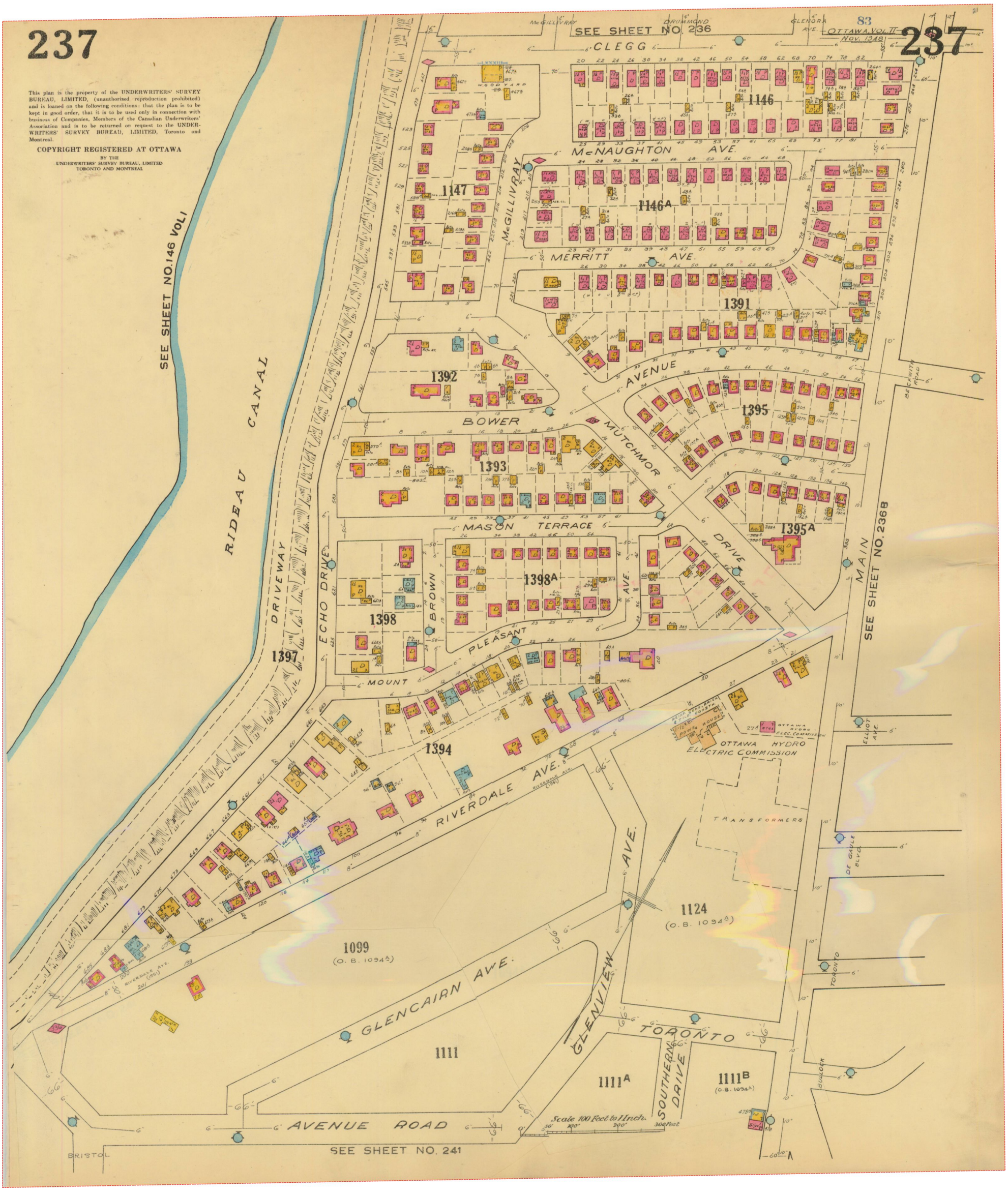
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## 1948 Volume: Ottawa Firemap: 237
## Ottawa Plan: 2992 (1948) | Sheet: 237 (1948)



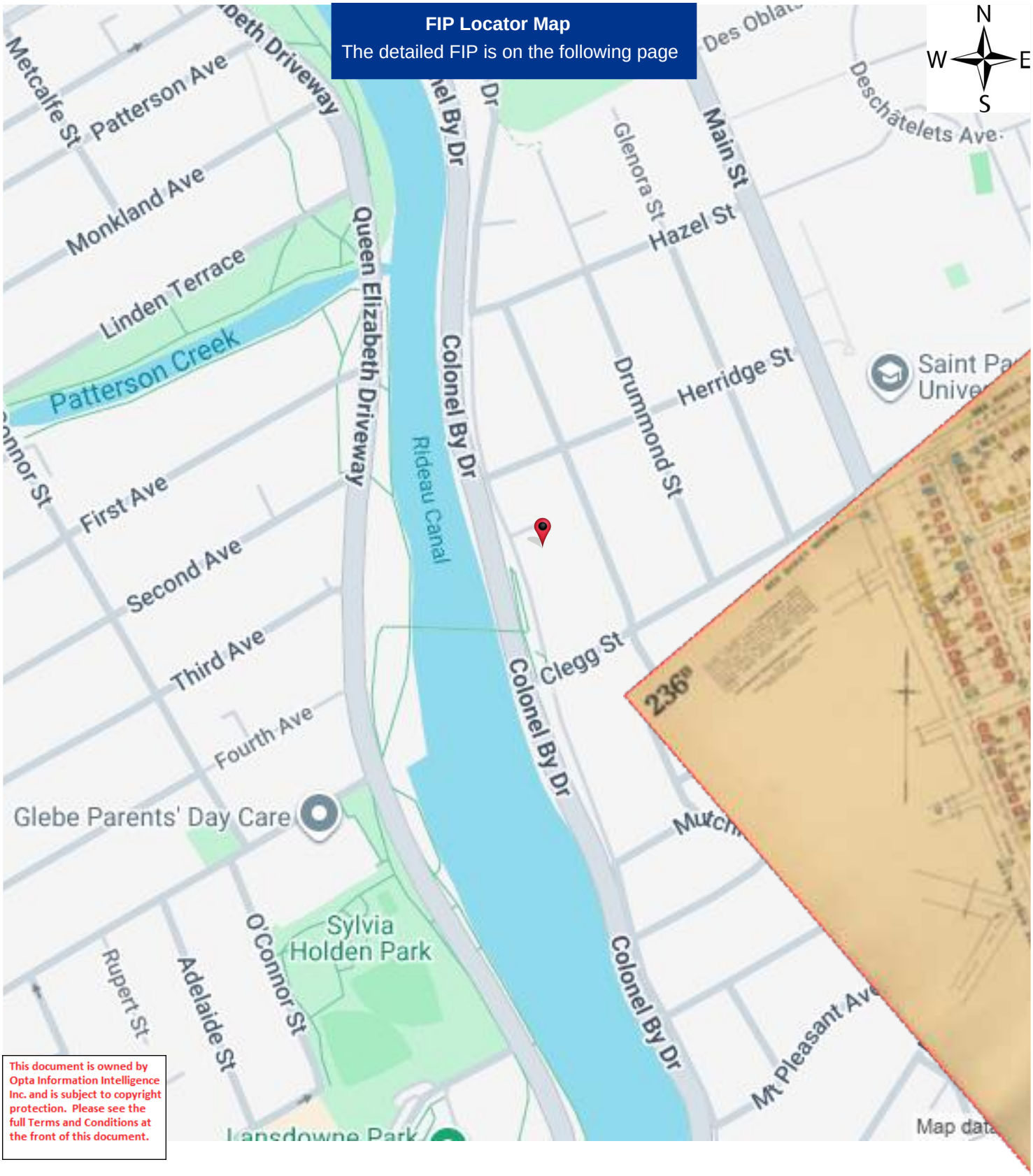
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Requested by: Eleanor Goolab | Date Completed: 02/23/2026 18:18:43

# 1948 Volume: Ottawa Firemap: 237
## Ottawa Plan: 2992 (1948) | Sheet: 237 (1948)



Project #: 26021600965 | P.O. #: jbrooksgeoterracs.com
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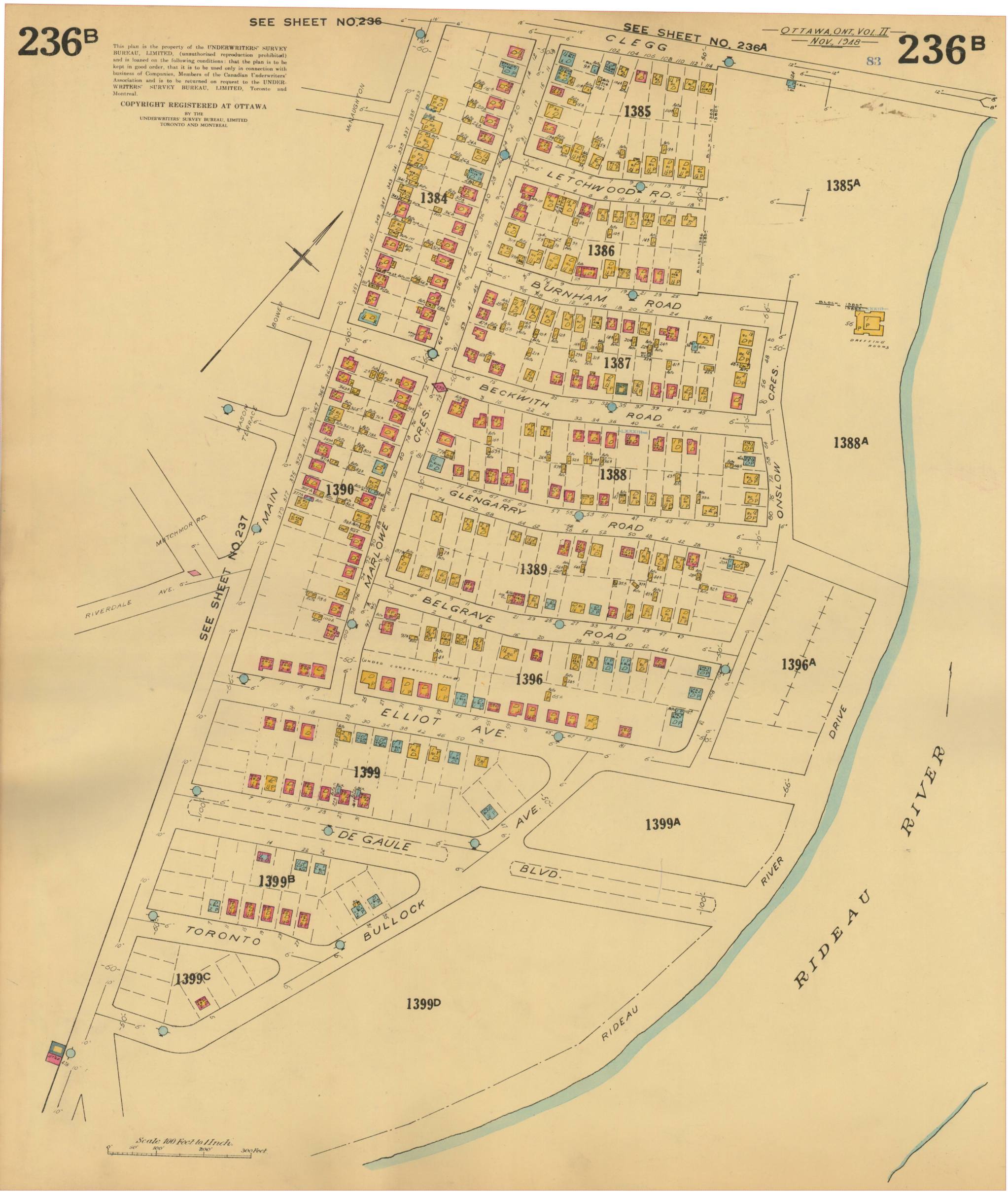
## 1948 Volume: Ottawa Firemap: 236b
## Ottawa Plan: 2992 (1948) | Sheet: 236B (1948)




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Project #: 26021600965 | P.O. #: jbrooksgeoterracs.com
Requested by: Eleanor Goolab | Date Completed: 02/23/2026 18:18:43

1948 Volume: Ottawa Firemap: 236b
Ottawa Plan: 2992 (1948) | Sheet: 236B (1948)



Project #: 26021600965 | P.O. #: jbrooksgeoterracs.com
Requested by: Eleanor Goolab | Date Completed: 02/23/2026 18:18:43

# Survey for Rating Fireproof (Fire-Resistive) Risks Report - 1953 441-443 Echo Drive Ottawa ON K1S1N6

MERCANTILE DEPT.

# Canadian Underwriters' Association

## SURVEY FOR RATING FIREPROOF (FIRE-RESISTIVE) RISKS

**Each question must be answered and the form signed by the owner, occupant or architect of the building, or it will be returned.**

Location (Town and Street) Ottawa, Echo Drive Ins. Plan—B 236 B 1142 No. #41-#43

Owned by J. S. MELZER Occupied by Various Tenants

For a 15 Suite Apartment House No. of hands

Is building completely finished and out of workmen's hands? Yes

## OCCUPANCY

Give occupancy, kind of work, processes, machinery and number of hands, on each floor.

Basement Steam Heating Plant - 3 Apartment Suites - Tenants Locker rooms Fireproof Garage (6 Automobiles) Ordinary Wood Metal clad Garage Side

1st Self closing Door -

1st Apartments (4)

2nd Apartments (4)

3rd Apartments (4)

4th

5th

6th

B 2½" Thick 3 Years .53 Sept/64
S/C D Care Hoist 154 Dec (3 yrs)
B - 1/4" Wire Glass
20/6/56

## CONSTRUCTION OF BUILDING, INCLUDING COMBUSTIBLE FINISH

1. TYPE OF CONSTRUCTION—

(a) Reinforced concrete, flat slab or beam Concrete on Steel plate (b) Skeleton steel and curtain wall?

2. Walls—State whether external walls are of brick or stone, reinforced concrete, hollow cement block, solid cement block, or hollow tile, and give thickness of walls in inches at each floor. Front Brick faced RCB - Other walls Stucco on RCB.

3. ROOF—State type and construction of roof and how supported 3" Concrete on Steel Plate Steel Bar Joists on RCB Walls and Reinforced Concrete Columns & Beams - Tar & Gravel

(a) Is there any roof space? None If so, for what purpose is it used?

How is access obtained thereto? If by trap or door, describe type

(b) Is there a Texas, louvre, ventilator or skylight? Skylight If so, which, giving size and height Skylights (2) 4'x18' #6

(c) Are all skylights of wired glass in metal frames. Metal frames wired glass

(d) Is there any wood in roof, louvres, ventilators or skylights; if so, give details? none

(e) Is there a wood roof laid over an incombustible one? No If so, how is it supported?

(f) If so, what is the maximum and minimum height of this above the incombustible roof? none

(g) Is the incombustible roof broken by texas, louvre, ventilator, trapdoor, skylight, stair, elevator or other shafts? none

If so, what is the construction of the sides through roof space? none

Is there any access or opening from these shafts to the roof space? Describe each separately none

(h) Is there a superstructure or Pent House of any kind on the roof? No If so, give construction and occupancy? none

How is access obtained?

(Over)

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4. COLUMNS AND BEAMS—If metal, are they exposed?..... If protected, state nature and thickness of such protection.

(a) Columns Reinforced Concrete Columns -

(b) Beams Reinforced Concrete Beams - Some rolled in basement have steel Bar Joist steel plate -

5. FLOORS—State type, construction and thickness of each floor

3½" Concrete on steel plate steel bar joists on Reinforced Concrete Columns

(a) Is there a wood wearing floor? yes (b) If so, on which storeys? all floors in apartments

(c) Is it laid directly on incombustible floor or with an air space? Describe laid direct

## FLOOR OPENINGS

6. Well Holes or Light Wells—Give number in each floor, and size of openings None

7. STAIRWAYS—How many, and state from which floor to which? Two

Is there an enclosure around them? no If so, describe construction of enclosure, and the doors, and whether doors are self-closing

Two Opening into Railways all floors basement to 3rd floor steel - Concrete construction

8. ELEVATORS—How many, and state from which floor to which? None

Is there an enclosure around them? If so, describe construction of enclosure, and the doors, and whether doors are self-closing

9. Chutes, Vents, Dumb Waiters and Belt Holes—Give size, construction of enclosure (if any), type of door (if any), and whether self-closing, stating which floors are cut by each None

10. Heating and Ventilating Ducts – Are there any? yes (a) If so, are they in the Walls, or do they pass through the floors? by walls

(b) Give construction Metal (c) State whether separate duct to each floor without communication to other floors Separate each floor (d) Do ducts open into roof space? no

11. HEIGHT—State number of floors and whether there is a basement

12. Area—Give ground floor dimensions? 80' × 75' × 15' × 50' = 6750 sq. ft.

13. INTERIOR FINISH—

State separately for each floor, finish to walls and ceilings.

| | Bsmt. | 1st | 2nd | 3rd | 4th | 5th | 6th |
|---|---|---|---|---|---|---|---|
| (a) Walls | plaster on | Plaster on | 6 Floors over | Plaster | each floor | | |
| (b) Ceilings | | Metal Lath & plaster | | each floor | | | |
| (c) Partitions | H.C.B. | H.C.B. | H.C.B. | H.C.B. | | | |

State extent of any wood partitions, or partitions having wood supports, in square feet, separately for each floor:—

Wood floors on Timber joists by basement

14. Trim—(a) Are there any wood skirting or baseboards? yes (b) Wood window frames? yes (c) Wood doors? yes (d) Is there any other inside or outside combustible finish other than above? Describe fully None

15. **HEATING**—What is the system of heating the building? Steam Where is heating plant located? in basement

Is it in fireproof room with standard fire door? Are there any stoves; if so, how many and where located? None

Fireproof room - Wood self closing door Do any stoves vent otherwise than to brick or concrete chimneys; if so, give details?

16. Fuel Fuel Oil If fuel oil, what make of burner is used? Trane

Where are storage tanks located, inside building or outdoors? under garage Are they above or below ground? below ground

If inside, what is capacity of tank or tanks? 2-250 Gallons

17. **LIGHTING**—How is building lighted? Electricity If electric, is wiring open or in conduit? BX Cable

18. **POWER**—Is any used? None If so, what kind? Total Horse Power?

What used for?

If gasoline engine, state method of ignition, location and capacity of supply tank, whether feed is pressure or gravity, quantity of gasoline in engine

19. Gasoline or Benzine, or Other Oils—Are any kept? None If so, what quantity of each?

What used for?

## EXPOSURE

20. **Attachments**—Are there any attachments of inferior construction? None (a) Give dimensions, height, construction and occupancy, and indicate clearly on diagram

21. **Communications**—Does the building communicate with any other building? None

(a) If so, are buildings separated by solid wall? (b) If so, are all openings protected by standard fireproof doors?

22. **Fireproof Doors**—Are all doors referred to as fireproof doors constructed as follows:—2½ in. thick, three-ply wood core, covered with tin, lockjointed, hung by heavy iron hinges or hangers bolted through the masonry, floor being cut by brick, stone or cement sill? None

(a) Are they arranged to close automatically by fusible links and weights?

(b) Do they bear the Metal Approval Label of the Underwriters' Laboratories? If so, state label numbers Is hardware also "labelled"?

23. **Surroundings**—Show on diagram all buildings within 50 feet See Diagram

24. **Windows**—Are all windows of wired glass in metal frames? No

## PROTECTION

25. **Fire Department**—How many yards distant is the nearest brigade station? 1600'± & 239 B1099^

26. **Hydrants**—What is the distance to the nearest two two-way hydrants? 50' + 100' Give size of main 6"

27. **Bucket Tanks or Chemical Extinguishers**—Are these provided? None If so, which?

(a) State how many on each floor. Basement — 1 — 2 — 3 — 4 — 5 — 6 —

(b) If chemical extinguishers, state type and capacity? —

(c) Do they bear the approval label of the Underwriters' Laboratories? — If so, state label numbers —

28. **Standpipe and Hose**—Is there one standpipe (2 inch interior diameter) for each 5,000 square feet floor area with hose (1½ inch cotton) and ¼-inch nozzle attached on each floor, so located that all parts of building may be reached with same? None

29. **Watchman**—Is there a Watchman making rounds of the whole premises, nights, Sundays, holidays, and at all times when plant is not in operation, rounds being made not less than once an hour during the night, i.e., from 6 p.m. to 6 a.m., and every two hours during the day? None

(a) Does he use a portable clock, electric detector, or report to central station? —

(b) Give name of manufacturer of clock None (c) Does it bear approval label of Underwriters' Laboratories? —

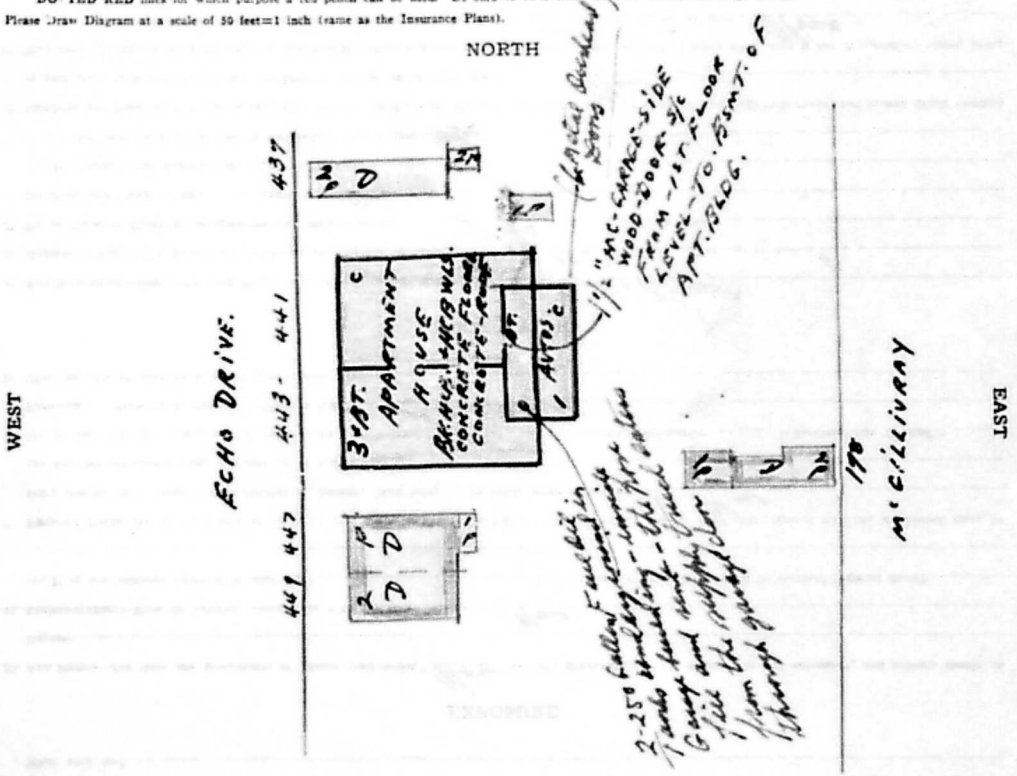
(d) Are the stations sufficient and so located that the Watchman must traverse each flat and every portion be visible to him? —

(Over)

## DIAGRAM

(Note:—A diagram is not required if the Risk and all property within 100 feet is exactly as shown on the insurance plan.)
**Show all Buildings within 50 feet of the Risk** and describe their occupancy, **show also any openings between adjoining Buildings and all exposed Windows. Show Frame Buildings with BLACK, Brick Buildings with RED, Stone or Concrete Buildings with BLUE and Brick Veneered, Brick Nogged or Metal Clad Buildings with DOTTED RED** lines for which purpose a red pencil can be used. Be sure to state exact distance between buildings shown.

Please Draw Diagram at a scale of 50 feet=1 inch (same as the Insurance Plans).




**EXPOSURE.** Note.—These questions must be answered fully.

| | | | | | |
|---|---|---|---|---|---|
| North | 24' | ft. to building built of | Frame | 2 | stories high, occupied as Dwelling |
| South | 18' | " " | Brick Veneer | 2 | " " Dwelling |
| East | 56' | " " | Brick Veneer | 2 | " " Dwelling |
| West | 54' | " " | | | " " Street |

I hereby state that the above questions are fully and correctly answered, and agree that they shall form the basis of rating to be given by the C.U.A.

DATE September 16th. 1953 SIGNATURE R. H. Williamson - Inspector
(State whether Owner, Occupant or Architect)

Form 235.

**Office**

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

1.877.244.9437

**optaintel.ca**



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CONFIDENTIAL

# DATABASE REPORT

| | |
|---|---|
| **Project Property:** | *2512064_441-443 Echo Drive. Ottawa*<br>*441-443 Echo Drive, Ottawa, ON K1S 1N6*<br>*Ottawa ON K1S 1N6* |
| **Project No:** | *jbrooks@geoterracs.com* |
| **Report Type:** | *Quote - Custom-Build Your Own Report* |
| **Order No:** | *26021600965* |
| **Requested by:** | *GeoTerracs Inc.* |
| **Date Completed:** | *February 17, 2026* |

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

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# Executive Summary

***Property Information:***

| | |
|---|---|
| **Project Property:** | *2512064_441-443 Echo Drive. Ottawa*<br>*441-443 Echo Drive, Ottawa, ON K1S 1N6  Ottawa ON K1S 1N6* |
| **Project No:** | *jbrooks@geoterracs.com* |

***Order Information:***

| | |
|---|---|
| **Order No:** | *26021600965* |
| **Date Requested:** | *February 16, 2026* |
| **Requested by:** | *GeoTerracs Inc.* |
| **Report Type:** | *Quote - Custom-Build Your Own Report* |

***Historical/Products:***

| | |
|---|---|
| **City Directory Search** | *CD - Subject Site* |
| **ERIS Xplorer** | *ERIS Xplorer* |
| **Excel Add-On** | *Excel Add-On* |
| **Insurance Products** | *Fire Insurance Maps/Inspection Reports/Site Plans* |

# Executive Summary: Report Summary

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

| Database | Name | Searched | Project Property | Boundary to 0.25km | Total |
|---|---|---|---|---|---|
| GHG | Greenhouse Gas Emissions from Large Facilities | N | - | - | - |
| HBAR | Historical Business Activity Risk | N | - | - | - |
| HINC | TSSA Historic Incidents | Y | 0 | 1 | 1 |
| IAFT | Indian & Northern Affairs Fuel Tanks | N | - | - | - |
| INC | Fuel Oil Spills and Leaks | Y | 1 | 0 | 1 |
| LIMO | Landfill Inventory Management Ontario | Y | 0 | 0 | 0 |
| MINE | Canadian Mine Locations | N | - | - | - |
| MNR | Mineral Occurrences | N | - | - | - |
| NATE | National Analysis of Trends in Emergencies System (NATES) | N | - | - | - |
| NCPL | Non-Compliance Reports | Y | 0 | 0 | 0 |
| NDFT | National Defense & Canadian Forces Fuel Tanks | Y | 0 | 0 | 0 |
| NDSP | National Defense & Canadian Forces Spills | Y | 0 | 0 | 0 |
| NDWD | National Defence & Canadian Forces Waste Disposal Sites | Y | 0 | 0 | 0 |
| NEBI | National Energy Board Pipeline Incidents | Y | 0 | 0 | 0 |
| NEBP | National Energy Board Wells | N | - | - | - |
| NEES | National Environmental Emergencies System (NEES) | N | - | - | - |
| NOC | Notice of Contamination List | Y | 0 | 0 | 0 |
| NPCB | National PCB Inventory | Y | 0 | 0 | 0 |
| NPR2 | National Pollutant Release Inventory | N | - | - | - |
| NPRI | National Pollutant Release Inventory - Historic | N | - | - | - |
| OGWE | Oil and Gas Wells | N | - | - | - |
| OOGW | Ontario Oil and Gas Wells | N | - | - | - |
| OPCB | Inventory of PCB Storage Sites | Y | 0 | 0 | 0 |
| ORD | Orders | Y | 0 | 0 | 0 |
| PAP | Canadian Pulp and Paper | Y | 0 | 0 | 0 |
| PCFT | Parks Canada Fuel Storage Tanks | Y | 0 | 0 | 0 |
| PES | Pesticide Register | N | - | - | - |
| PFAS | Ontario PFAS Spills | N | - | - | - |
| PFCH | NPRI Reporters - PFAS Substances | N | - | - | - |
| PFHA | Potential PFAS Handlers from NPRI | N | - | - | - |
| PINC | Pipeline Incidents | Y | 0 | 4 | 4 |
| PPHA | Potential PFAS Handlers from EASR | N | - | - | - |
| PRT | Private and Retail Fuel Storage Tanks | Y | 0 | 0 | 0 |
| PTTW | Permit to Take Water | N | - | - | - |
| REC | Ontario Regulation 347 Waste Receivers Summary | N | - | - | - |
| RSC | Record of Site Condition | N | - | - | - |
| RST | Retail Fuel Storage Tanks | Y | 0 | 0 | 0 |
| SCT | Scott's Manufacturing Directories | Y | 0 | 0 | 0 |
| SPL | Ontario Spills | Y | 0 | 9 | 9 |
| SRDS | Wastewater Discharger Registration Database | N | - | - | - |

| Database | Name | Searched | Project Property | Boundary to 0.25km | Total |
|---|---|---|---|---|---|
| TANK | ***Anderson's Storage Tanks*** | *Y* | *0* | *0* | *0* |
| TCFT | ***Transport Canada Fuel Storage Tanks*** | *Y* | *0* | *0* | *0* |
| VAR | ***Variances for Abandonment of Underground Storage Tanks*** | *Y* | *0* | *0* | *0* |
| WDS | ***Waste Disposal Sites - MOE CA Inventory*** | *Y* | *0* | *0* | *0* |
| WDSH | ***Waste Disposal Sites - MOE 1991 Historical Approval Inventory*** | *Y* | *0* | *0* | *0* |
| WMS | ***Waste Management Site*** | *Y* | *0* | *0* | *0* |
| WWIS | ***Water Well Information System*** | *Y* | *12* | *4* | *16* |
| | | ***Total:*** | *14* | *20* | *34* |

# Executive Summary: Site Report Summary - Project Property

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 1 | WWIS | | 441 ECHO DR<br>OTTAWA ON<br><br>***Well ID:*** 7257883 | E/0.0 | 0.07 | 18 |
| 2 | WWIS | | 441 Echo Dr<br>Ottawa ON<br><br>***Well ID:*** 7334720 | E/0.0 | 0.07 | 21 |
| 3 | GEN | Bassi Construction Ltd. | 441 Echo Drive<br>Ottawa ON K1S 1N6 | WNW/0.0 | 0.00 | 24 |
| 3 | INC | | 441 ECHO DRIVE, OTTAWA<br>ON | WNW/0.0 | 0.00 | 25 |
| 4 | WWIS | | 441 ECHO DR<br>OTTAWA ON<br><br>***Well ID:*** 7257886 | ESE/0.0 | 0.07 | 25 |
| 5 | WWIS | | 441 ECHO DR<br>OTTAWA ON<br><br>***Well ID:*** 7257885 | ESE/0.0 | 0.07 | 29 |
| 6 | WWIS | | 441 ECH FRIVE 443<br>Ottawa ON<br><br>***Well ID:*** 7235349 | E/0.0 | 0.80 | 32 |
| 7 | WWIS | | 441 ECHO DRIVE<br>Ottawa ON<br><br>***Well ID:*** 7235353 | SE/0.0 | 0.07 | 34 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 8 | WWIS | | 441 ECHO DR<br>OTTAWA ON<br><br>***Well ID:*** 7257872 | ESE/0.0 | 0.07 | 38 |
| 8 | WWIS | | 441 ECHO DR<br>OTTAWA ON<br><br>***Well ID:*** 7257884 | ESE/0.0 | 0.07 | 41 |
| 9 | WWIS | | 441 ECHO DRIVE 443<br>Ottawa ON<br><br>***Well ID:*** 7235350 | E/0.0 | 0.07 | 44 |
| 10 | WWIS | | 441 EHCO FR<br>OTTAWA ON<br><br>***Well ID:*** 7257830 | WSW/0.0 | -0.03 | 47 |
| 11 | WWIS | | 441 Echo Dr<br>Ottawa ON<br><br>***Well ID:*** 7348627 | ESE/0.0 | 0.07 | 50 |
| 12 | WWIS | | 441 ECHO DR<br>OTTAWA ON<br><br>***Well ID:*** 7257887 | SW/0.0 | -0.03 | 53 |

# Executive Summary: Site Report Summary - Surrounding Properties

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 13 | WWIS | | 441 ECHO DRIVE<br>Ottawa ON<br>***Well ID:*** 7235351 | SE/2.2 | 0.07 | 56 |
| 14 | WWIS | | 441 ECHO DRIVE 443<br>Ottawa ON<br>***Well ID:*** 7235352 | ESE/3.2 | 0.07 | 59 |
| 15 | WWIS | | ON<br>***Well ID:*** 7298988 | W/26.8 | -1.59 | 62 |
| 16 | SPL | S 21 (1)(f) of FIPPA | 167 McGillivray St.<br>Ottawa ON K1S 1K7 | ENE/38.8 | 1.10 | 63 |
| 17 | HINC | | 24 HERRIDGE STREET<br>OTTAWA ON K1S 0G7 | NE/59.8 | 1.42 | 64 |
| 18 | PINC | ENBRIDGE GAS INC | 150 MCGILLIVRAY ST,,OTTAWA,ON,K1S 1K6,CA<br>ON | N/105.6 | 0.40 | 64 |
| 18 | SPL | ENBRIDGE CONSUMERS GAS | 150 McGillivray St, Ottawa, On<br>OTTAWA ON | N/105.6 | 0.40 | 65 |
| 19 | PINC | PIPELINE HIT 1/2" | 179 DRUMMOND ST,,OTTAWA,ON,K1S 1K3,CA<br>ON | E/108.2 | 1.19 | 66 |
| 20 | WWIS | | ON<br>***Well ID:*** 7298987 | W/116.3 | -9.08 | 66 |
| 21 | SPL | | Rideau Canal at Colonel By Dr. and Clegg St.<br>Ottawa ON | SSW/116.5 | -1.93 | 67 |
| 22 | SPL | | 151 McGillivray St Ottawa<br>OTTAWA ON | NNE/118.6 | 2.10 | 68 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 23 | SPL | s21<UNOFFICIAL> | #7 - 3rd Ave.<br>Ottawa ON | W/194.4 | 5.50 | 69 |
| 24 | GEN | HOMESTEAD LAND HOLDINGS LTD | 350 QUEEN ELIZABETH DRIVE<br>OTTAWA ON K1S3N1 | WSW/202.0 | 2.12 | 70 |
| 25 | SPL | National Capital Contracting Incorporated | Between Canal Ritz restaurant and Pretoria bridge<br>Ottawa ON | SW/207.0 | -8.90 | 71 |
| 26 | PINC | | 71 Herridge Street. Ottawa<br>ON | NE/207.3 | 0.15 | 72 |
| 27 | SPL | | 364 queen Elizabeth driveway, Ottawa<br>OTTAWA ON | WSW/216.5 | -1.03 | 72 |
| 28 | PINC | PIPELINE HIT - 1 ¼" | 370 QUEEN ELIZABETH DRWY,,<br>OTTAWA,ON,K1S 3N1,CA<br>ON | SW/219.9 | -2.99 | 73 |
| 29 | SPL | | Unit 2D - 300 Queen Elizabeth Dr<br>Ottawa ON NA | WNW/228.8 | -2.06 | 74 |
| 30 | SPL | | near 87 Clegg<br>Ottawa ON | E/232.8 | -0.90 | 75 |
| 31 | GEN | GBI Pool Services Inc. | 300 Queen Elizabeth Dr<br>Ottawa ON K1S 3M6 | WNW/247.9 | -2.06 | 76 |

# Executive Summary: Summary By Data Source

### GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Mar 31, 2025 has found that there are 3 GEN site(s) within approximately 0.25 kilometers of the project property.

| Site | Address | Distance (m) | Map Key |
|---|---|---|---|
| Bassi Construction Ltd. | 441 Echo Drive<br>Ottawa ON K1S 1N6 | 0.0 | 3 |
| HOMESTEAD LAND HOLDINGS LTD | 350 QUEEN ELIZABETH DRIVE<br>OTTAWA ON K1S3N1 | 202.0 | 24 |
| GBI Pool Services Inc. | 300 Queen Elizabeth Dr<br>Ottawa ON K1S 3M6 | 247.9 | 31 |

### HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

| Site | Address | Distance (m) | Map Key |
|---|---|---|---|
| | 24 HERRIDGE STREET<br>OTTAWA ON K1S 0G7 | 59.8 | 17 |

### INC - Fuel Oil Spills and Leaks

A search of the INC database, dated Oct 2023 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

| Site | Address | Distance (m) | Map Key |
|---|---|---|---|
| | 441 ECHO DRIVE, OTTAWA<br>ON | 0.0 | 3 |

## PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 4 PINC site(s) within approximately 0.25 kilometers of the project property.

| Site | Address | Distance (m) | Map Key |
|---|---|---|---|
| ENBRIDGE GAS INC | 150 MCGILLIVRAY ST,,OTTAWA,ON,K1S 1K6,CA<br>ON | 105.6 | 18 |
| PIPELINE HIT 1/2" | 179 DRUMMOND ST,,OTTAWA,ON,K1S 1K3,CA<br>ON | 108.2 | 19 |
| | 71 Herridge Street. Ottawa<br>ON | 207.3 | 26 |
| PIPELINE HIT - 1 ¼" | 370 QUEEN ELIZABETH DRWY,,OTTAWA, ON,K1S 3N1,CA<br>ON | 219.9 | 28 |

## SPL - Ontario Spills

A search of the SPL database, dated 1988-Dec 2025 has found that there are 9 SPL site(s) within approximately 0.25 kilometers of the project property.

| Site | Address | Distance (m) | Map Key |
|---|---|---|---|
| S 21 (1)(f) of FIPPA | 167 McGillivray St.<br>Ottawa ON K1S 1K7 | 38.8 | 16 |
| ENBRIDGE CONSUMERS GAS | 150 McGillivray St, Ottawa, On<br>OTTAWA ON | 105.6 | 18 |
| | Rideau Canal at Colonel By Dr. and Clegg St.<br>Ottawa ON | 116.5 | 21 |
| | 151 McGillivray St Ottawa<br>OTTAWA ON | 118.6 | 22 |
| s21<UNOFFICIAL> | #7 - 3rd Ave.<br>Ottawa ON | 194.4 | 23 |

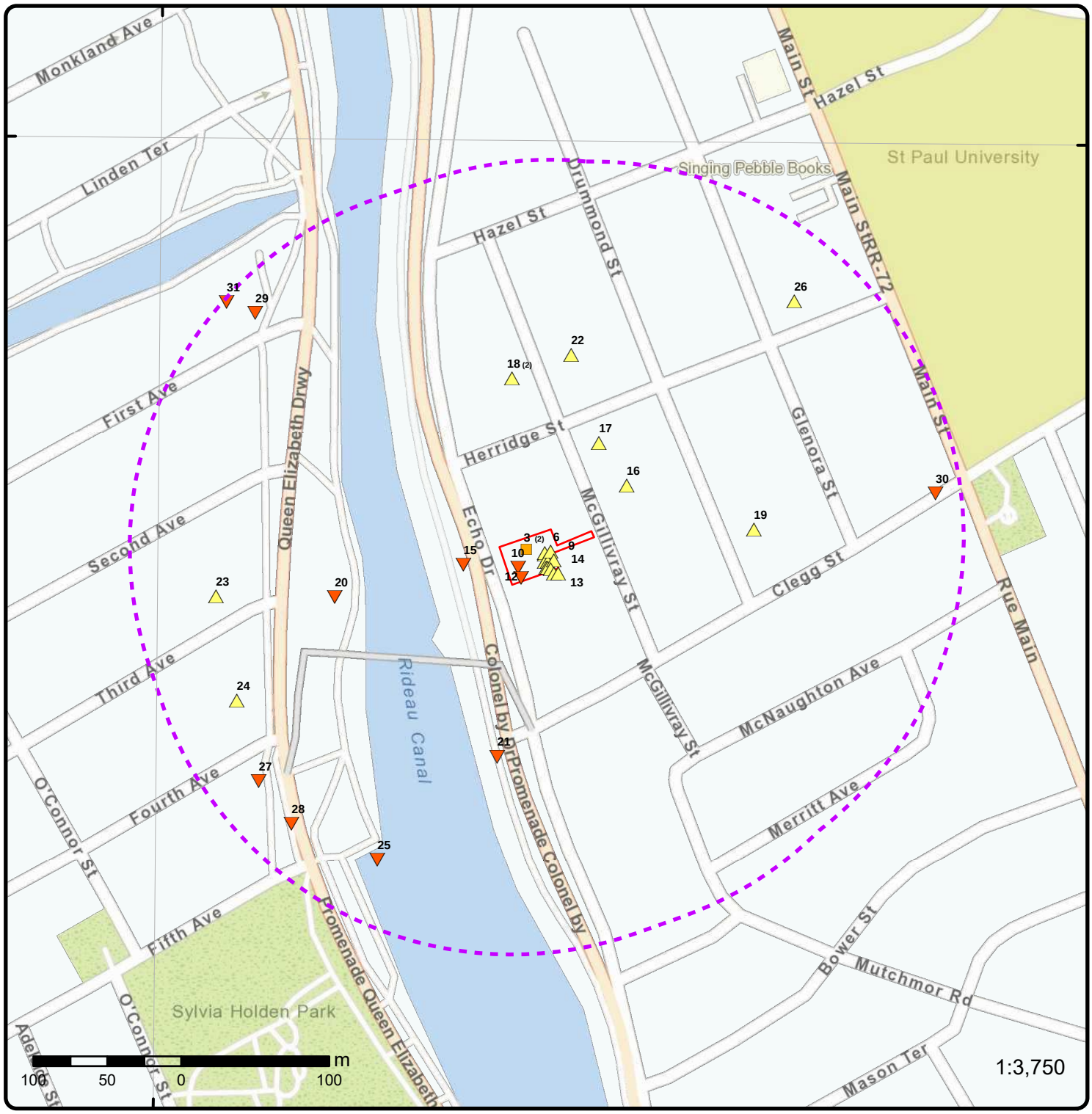
| Site | Address | Distance (m) | Map Key |
|---|---|---|---|
| National Capital Contracting Incorporated | Between Canal Ritz restaurant and Pretoria bridge<br>Ottawa ON | 207.0 | 25 |
| | 364 queen Elizabeth driveway, Ottawa<br>OTTAWA ON | 216.5 | 27 |
| | Unit 2D - 300 Queen Elizabeth Dr<br>Ottawa ON NA | 228.8 | 29 |
| | near 87 Clegg<br>Ottawa ON | 232.8 | 30 |

## WWIS - Water Well Information System

A search of the WWIS database, dated Jul 31, 2025 has found that there are 16 WWIS site(s) within approximately 0.25 kilometers of the project property.

| Site | Address | Distance (m) | Map Key |
|---|---|---|---|
| | 441 ECHO DR<br>OTTAWA ON<br>***Well ID:*** 7257883 | 0.0 | 1 |
| | 441 Echo Dr<br>Ottawa ON<br>***Well ID:*** 7334720 | 0.0 | 2 |
| | 441 ECHO DR<br>OTTAWA ON<br>***Well ID:*** 7257886 | 0.0 | 4 |
| | 441 ECHO DR<br>OTTAWA ON<br>***Well ID:*** 7257885 | 0.0 | 5 |
| | 441 ECH FRIVE 443<br>Ottawa ON<br>***Well ID:*** 7235349 | 0.0 | 6 |

| Site | Address | Distance (m) | Map Key |
|---|---|---|---|
| | 441 ECHO DRIVE<br>Ottawa ON<br><br>***Well ID:*** 7235353 | 0.0 | 7 |
| | 441 ECHO DR<br>OTTAWA ON<br><br>***Well ID:*** 7257884 | 0.0 | 8 |
| | 441 ECHO DR<br>OTTAWA ON<br><br>***Well ID:*** 7257872 | 0.0 | 8 |
| | 441 ECHO DRIVE 443<br>Ottawa ON<br><br>***Well ID:*** 7235350 | 0.0 | 9 |
| | 441 EHCO FR<br>OTTAWA ON<br><br>***Well ID:*** 7257830 | 0.0 | 10 |
| | 441 Echo Dr<br>Ottawa ON<br><br>***Well ID:*** 7348627 | 0.0 | 11 |
| | 441 ECHO DR<br>OTTAWA ON<br><br>***Well ID:*** 7257887 | 0.0 | 12 |
| | 441 ECHO DRIVE<br>Ottawa ON<br><br>***Well ID:*** 7235351 | 2.2 | 13 |
| | 441 ECHO DRIVE 443<br>Ottawa ON<br><br>***Well ID:*** 7235352 | 3.2 | 14 |
| | ON<br><br>***Well ID:*** 7298988 | 26.8 | 15 |
| | ON<br><br>***Well ID:*** 7298987 | 116.3 | 20 |




# Map: 0.25 Kilometer Radius

Order Number: 26021600965

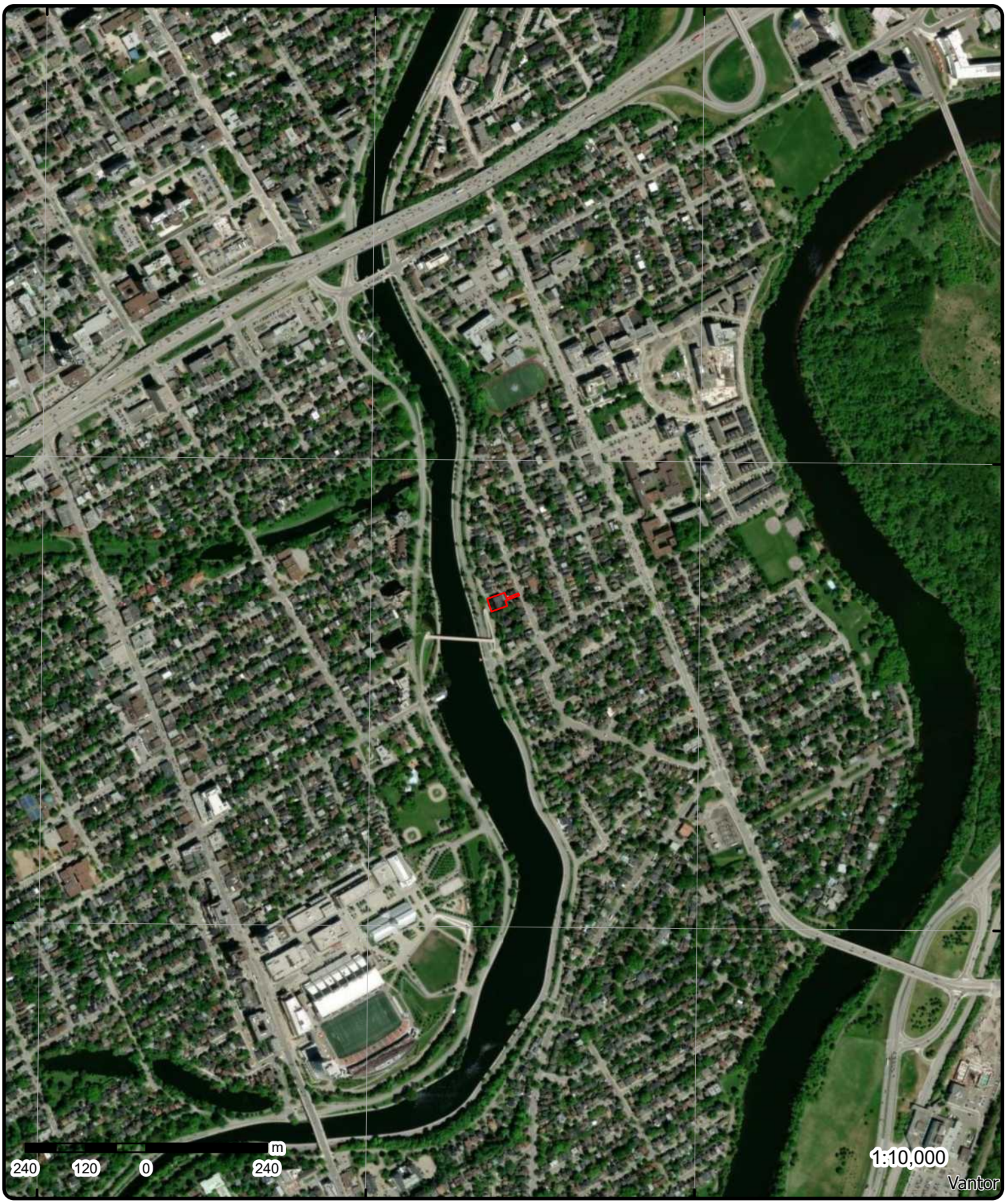
Address: 441-443 Echo Drive, Ottawa, ON K1S 1N6, Ottawa, ON

ERIS

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

**Source:** © 2021 ESRI StreetMap Premium.

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# Aerial

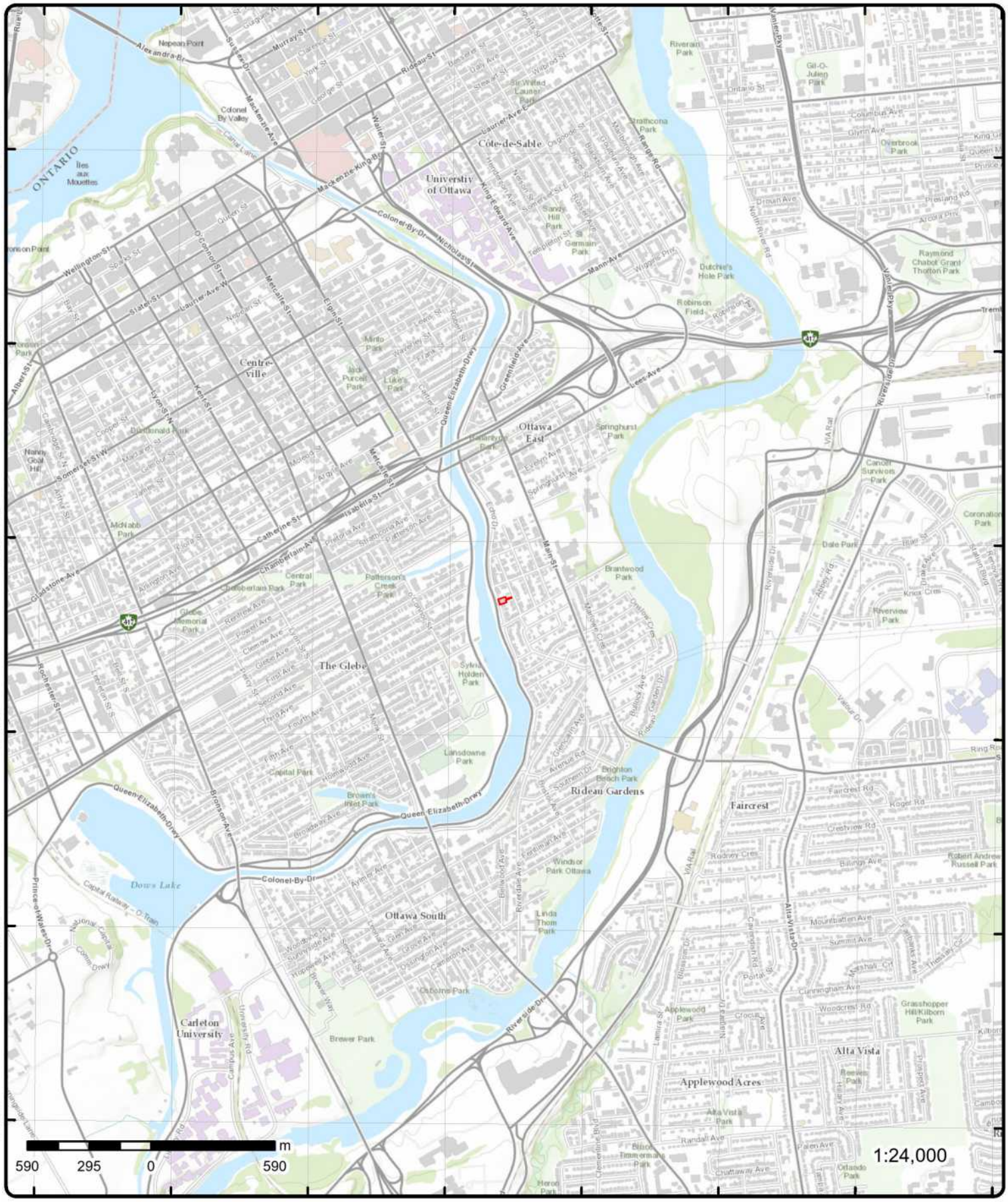
**Year: 2025**

Order Number: 26021600965

**Address: 441-443 Echo Drive, Ottawa, ON K1S 1N6, Ottawa, ON**

**Source:** ESRI World Imagery

© ERIS Information Limited Partnership




# Topographic Map

**Address: 441-443 Echo Drive, Ottawa, ON K1S 1N6, ON**

**Source:** ESRI World Topographic Map

Order Number: 26021600965

ERIS

© ERIS Information Limited Partnership

# Detail Report

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 1 | 1 of 1 | E/0.0 | 63.8 / 0.07 | 441 ECHO DR<br>OTTAWA ON | WWIS |

| | | | |
|---|---|---|---|
| **Well ID:** | 7257883 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | Monitoring and Test Hole | **Data Entry Status:** | |
| **Use 2nd:** | 0 | **Data Src:** | |
| **Final Well Status:** | Monitoring and Test Hole | **Date Received:** | 02/17/2016 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z222385 | **Contractor:** | 7241 |
| **Tag:** | A186615 | **Form Version:** | 7 |
| **Constructn Method:** | | **Owner:** | |
| **Elevation (m):** | | **County:** | OTTAWA-CARLETON |
| **Elevatn Reliabilty:** | | **Lot:** | |
| **Depth to Bedrock:** | | **Concession:** | |
| **Well Depth:** | | **Concession Name:** | |
| **Overburden/Bedrock:** | | **Easting NAD83:** | |
| **Pump Rate:** | | **Northing NAD83:** | |
| **Static Water Level:** | | **Zone:** | |
| **Clear/Cloudy:** | | **UTM Reliability:** | |
| **Municipality:** | NEPEAN TOWNSHIP | | |
| **Site Info:** | | | |

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/725\7257883.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 01/28/2016 |
| **Year Completed:** | 2016 |
| **Depth (m):** | 3.96 |
| **Latitude:** | 45.4058169933084 |
| **Longitude:** | -75.6799909299964 |
| **Point X:** | -75.67999076775465 |
| **Point Y:** | 45.40581698618099 |
| **Path:** | 725\7257883.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005888089 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 446786.00 |
| **Code OB Desc:** | | **North83:** | 5028258.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 01/28/2016 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Location Method Desc:** | on Water Well Record | | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |

***Supplier Comment:***

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005983403 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 06 |
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | 08 |
| ***Material 2 Desc:*** | FINE SAND |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 3.0999999046325684 |
| ***Formation End Depth:*** | 3.9600000381469727 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005983402 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 06 |
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | 28 |
| ***Material 2 Desc:*** | SAND |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 2.440000057220459 |
| ***Formation End Depth:*** | 3.0999999046325684 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005983401 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 28 |
| ***Material 1 Desc:*** | SAND |
| ***Material 2:*** | |
| ***Material 2 Desc:*** | |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 2.440000057220459 |
| ***Formation End Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005983411 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.0 |
| ***Plug To:*** | 0.3100000023841858 |
| ***Plug Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005983413 |
| ***Layer:*** | 3 |
| ***Plug From:*** | 0.9100000262260437 |
| ***Plug To:*** | 3.9600000381469727 |
| ***Plug Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005983412 |
| ***Layer:*** | 2 |
| ***Plug From:*** | 0.3100000023841858 |
| ***Plug To:*** | 0.9100000262260437 |
| ***Plug Depth UOM:*** | m |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 1005983410 |
| ***Method Construction Code:*** | D |
| ***Method Construction:*** | Direct Push |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1005983400 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005983406 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 1.2200000286102295 |
| ***Casing Diameter:*** | 4.03000020980835 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1005983407 |
| ***Layer:*** | 1 |
| ***Slot:*** | 10 |
| ***Screen Top Depth:*** | 1.2200000286102295 |
| ***Screen End Depth:*** | 3.9600000381469727 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 4.820000171661377 |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1005983405 |
| ***Layer:*** | |

**Kind Code:**
**Kind:**
**Water Found Depth:**
**Water Found Depth UOM:** m

***Hole Diameter***

**Hole ID:** 1005983404
**Diameter:** 8.25
**Depth From:** 0.0
**Depth To:** 3.9600000381469727
**Hole Depth UOM:** m
**Hole Diameter UOM:** cm

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**2** | **1 of 1** | **E/0.0** | **63.8 / 0.07** | **441 Echo Dr Ottawa ON** | **WWIS**

**Well ID:** 7334720
**Construction Date:**
**Use 1st:** Monitoring and Test Hole
**Use 2nd:**
**Final Well Status:** Monitoring and Test Hole
**Water Type:**
**Casing Material:**
**Audit No:** Z298148
**Tag:** A257378
**Constructn Method:**
**Elevation (m):**
**Elevatn Reliabilty:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Clear/Cloudy:**
**Municipality:** OTTAWA CITY
**Site Info:**

**Flowing (Y/N):**
**Flow Rate:**
**Data Entry Status:**
**Data Src:**
**Date Received:** 03/08/2019
**Selected Flag:** TRUE
**Abandonment Rec:**
**Contractor:** 7241
**Form Version:** 7
**Owner:**
**County:** OTTAWA-CARLETON
**Lot:**
**Concession:**
**Concession Name:**
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/733\7334720.pdf

***Additional Detail(s) (Map)***

**Well Completed Date:** 10/22/2018
**Year Completed:** 2018
**Depth (m):** 3.9624
**Latitude:** 45.4058259939581
**Longitude:** -75.6799910379873
**Point X:** -75.67999087644998
**Point Y:** 45.40582598738324
**Path:** 733\7334720.pdf

***Bore Hole Information***

**Bore Hole ID:** 1007449892
**DP2BR:**
**Spatial Status:**
**Code OB:**
**Code OB Desc:**
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 10/22/2018
**Remarks:**

**Elevation:**
**Elevrc:**
**Zone:** 18
**East83:** 446786.00
**North83:** 5028259.00
**Org CS:** UTM83
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**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:*** | 1007811631 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 06 |
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | 08 |
| ***Material 2 Desc:*** | FINE SAND |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 4.0 |
| ***Formation End Depth:*** | 7.0 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1007811630 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 06 |
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | 08 |
| ***Material 2 Desc:*** | FINE SAND |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 1.0 |
| ***Formation End Depth:*** | 4.0 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1007811632 |
| ***Layer:*** | 4 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 05 |
| ***Material 1 Desc:*** | CLAY |
| ***Material 2:*** | |
| ***Material 2 Desc:*** | |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 7.0 |
| ***Formation End Depth:*** | 13.0 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1007811629 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 27 |
| ***Material 1 Desc:*** | OTHER |
| ***Material 2:*** | 11 |
| ***Material 2 Desc:*** | GRAVEL |
| ***Material 3:*** | 73 |
| ***Material 3 Desc:*** | HARD |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 1.0 |
| ***Formation End Depth UOM:*** | ft |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1007812816 |
| ***Layer:*** | 3 |
| ***Plug From:*** | 2.0 |
| ***Plug To:*** | 13.0 |
| ***Plug Depth UOM:*** | ft |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1007812815 |
| ***Layer:*** | 2 |
| ***Plug From:*** | 1.0 |
| ***Plug To:*** | 2.0 |
| ***Plug Depth UOM:*** | ft |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1007812814 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.0 |
| ***Plug To:*** | 1.0 |
| ***Plug Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 1007813710 |
| ***Method Construction Code:*** | B |
| ***Method Construction:*** | Other Method |
| ***Other Method Construction:*** | Direct Push |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1007810166 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1007814104 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |

| | |
|---|---|
| **Open Hole or Material:** | PLASTIC |
| **Depth From:** | 0.0 |
| **Depth To:** | 3.0 |
| **Casing Diameter:** | 1.3799999952316284 |
| **Casing Diameter UOM:** | Inch |
| **Casing Depth UOM:** | ft |

***Construction Record - Screen***

| | |
|---|---|
| **Screen ID:** | 1007814487 |
| **Layer:** | 1 |
| **Slot:** | 10 |
| **Screen Top Depth:** | 3.0 |
| **Screen End Depth:** | 13.0 |
| **Screen Material:** | 5 |
| **Screen Depth UOM:** | ft |
| **Screen Diameter UOM:** | inch |
| **Screen Diameter:** | 1.659999966621399 |

***Results of Well Yield Testing***

| | |
|---|---|
| **Pumping Test Method Desc:** | |
| **Pump Test ID:** | 1007815027 |
| **Pump Set At:** | |
| **Static Level:** | |
| **Final Level After Pumping:** | |
| **Recommended Pump Depth:** | |
| **Pumping Rate:** | |
| **Flowing Rate:** | |
| **Recommended Pump Rate:** | |
| **Levels UOM:** | ft |
| **Rate UOM:** | GPM |
| **Water State After Test Code:** | |
| **Water State After Test:** | |
| **Pumping Test Method:** | 0 |
| **Pumping Duration HR:** | |
| **Pumping Duration MIN:** | |
| **Flowing:** | |

***Hole Diameter***

| | |
|---|---|
| **Hole ID:** | 1007813340 |
| **Diameter:** | 2.375 |
| **Depth From:** | 0.0 |
| **Depth To:** | 13.0 |
| **Hole Depth UOM:** | ft |
| **Hole Diameter UOM:** | Inch |

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| | | | | | |
|---|---|---|---|---|---|
| **3** | ***1 of 2*** | ***WNW/0.0*** | ***63.8 / 0.00*** | ***Bassi Construction Ltd.***<br>***441 Echo Drive***<br>***Ottawa ON K1S 1N6*** | ***GEN*** |

***Generator Info***

| | | | |
|---|---|---|---|
| **Generator No:** | ON8528079 | **Choice of Contact:** | CO_ADMIN |
| **Approval Years:** | 2016 | **Contaminated Fac:** | No |
| **Status:** | | **MHSW Facility:** | No |
| **PO Box No:** | | **SIC Code:** | 236110 |
| **Country:** | Canada | | |
| **Co Admin:** | Merissa Melbourne | | |

**Phone No Admin:** 6138220624 Ext.
**SIC Description:** RESIDENTIAL BUILDING CONSTRUCTION

***Waste Detail(s)***

**Waste Class:** 221
**Waste Class Name:** LIGHT FUELS

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**3** | **2 of 2** | **WNW/0.0** | **63.8 / 0.00** | **441 ECHO DRIVE, OTTAWA ON** | **INC**

| | | | |
|---|---|---|---|
| **Incident No:** | 1783692 | **Any Health Impact:** | No |
| **Incident ID:** | | **Any Enviro Impact:** | Yes |
| **Instance No:** | | **Service Intrp:** | No |
| **Status Code:** | | **Was Prop Damaged:** | Yes |
| **Incident Status:** | | **Reside App. Type:** | |
| **Incident Severity:** | | **Commer App. Type:** | |
| **Task No:** | 6001713 | **Indus App. Type:** | |
| **Attribute Category:** | FS-Perform L1 Incident Insp | **Institut App. Type:** | |
| **Context:** | | **Depth Ground Cover:** | |
| **Date of Occurrence:** | 2016/01/08 00:00:00 | **Operation Pressure:** | |
| **Time of Occurrence:** | NULL | **Equipment Type:** | |
| **Occr Insp Start Dt:** | 2016/01/11 00:00:00 | **Equipment Model:** | |
| **Incident Creat On:** | | **Serial No:** | |
| **Instance Creat Dt:** | | **Cylinder Capacity:** | |
| **Instance Install Dt:** | | **Cylinder Cap Units:** | |
| **Approx Quant Rel:** | | **Cylinder Mat Type:** | |
| **Tank Capacity:** | | **Pump Flow Rate Cap:** | |
| **Fuels Occur Type:** | Leak | **Contam. Migrated:** | |
| **Occur Type Rpt:** | | **Near Body of Water:** | |
| **Occur Category:** | | **Drainage System:** | |
| **Fuel Type Involved:** | Fuel Oil | **Sub Surface Contam:** | |
| **Fuel Type Reported:** | | **Tank Material Type:** | |
| **Enforcement Policy:** | NULL | **Tank Storage Type:** | |
| **Prc Escalation Req:** | NULL | **Tank Location Type:** | |

**Item:**
**Item Description:**
**Device Installed Location:**
**Venting Type:**
**Vent Conn Mater:**
**Vent Chimney Mater:**
**Pipeline Type:**
**Pipeline Involved:**
**Pipe Material:**
**Regulator Location:**
**Regulator Type:**
**Liquid Prop Make:**
**Liquid Prop Model:**
**Liquid Prop Serial No:**
**Liquid Prop Notes:**
**Inventory Address:** 441 ECHO DRIVE, OTTAWA - DISCOVERY OF PRODUCTS
**Invent Postal Code:**
**Notes:**
**Contact Natural Env:**
**Aff Prop Use Water:**
**Occurence Narrative:** leak from buried fuel oil tank under garage floor
**Operation Type Involved:** Multi-unit Residential

---

**4** | **1 of 1** | **ESE/0.0** | **63.8 / 0.07** | **441 ECHO DR OTTAWA ON** | **WWIS**

**Well ID:** 7257886 **Flowing (Y/N):**

| | | | |
|---|---|---|---|
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | Monitoring and Test Hole | **Data Entry Status:** | |
| **Use 2nd:** | 0 | **Data Src:** | |
| **Final Well Status:** | Monitoring and Test Hole | **Date Received:** | 02/17/2016 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z222389 | **Contractor:** | 7241 |
| **Tag:** | A164943 | **Form Version:** | 7 |
| **Constructn Method:** | | **Owner:** | |
| **Elevation (m):** | | **County:** | OTTAWA-CARLETON |
| **Elevatn Reliabilty:** | | **Lot:** | |
| **Depth to Bedrock:** | | **Concession:** | |
| **Well Depth:** | | **Concession Name:** | |
| **Overburden/Bedrock:** | | **Easting NAD83:** | |
| **Pump Rate:** | | **Northing NAD83:** | |
| **Static Water Level:** | | **Zone:** | |
| **Clear/Cloudy:** | | **UTM Reliability:** | |

**Municipality:** OTTAWA CITY
**Site Info:**

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/725\7257886.pdf

***Additional Detail(s) (Map)***

**Well Completed Date:** 01/29/2016
**Year Completed:** 2016
**Depth (m):** 5.18
**Latitude:** 45.4057719900592
**Longitude:** -75.6799903900431
**Point X:** -75.67999022787114
**Point Y:** 45.405771983301726
**Path:** 725\7257886.pdf

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005888124 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 446786.00 |
| **Code OB Desc:** | | **North83:** | 5028253.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 01/29/2016 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |

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

***Overburden and Bedrock Materials Interval***

**Formation ID:** 1005983464
**Layer:** 1
**Color:** 6
**General Color:** BROWN
**Material 1:** 28
**Material 1 Desc:** SAND
**Material 2:**
**Material 2 Desc:**

| | |
|---|---|
| **Material 3:** | 85 |
| **Material 3 Desc:** | SOFT |
| **Formation Top Depth:** | 0.0 |
| **Formation End Depth:** | 2.430000066757202 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 1005983466 |
| **Layer:** | 3 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Material 1:** | 06 |
| **Material 1 Desc:** | SILT |
| **Material 2:** | 08 |
| **Material 2 Desc:** | FINE SAND |
| **Material 3:** | 85 |
| **Material 3 Desc:** | SOFT |
| **Formation Top Depth:** | 3.0999999046325684 |
| **Formation End Depth:** | 5.179999828338623 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 1005983465 |
| **Layer:** | 2 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Material 1:** | 06 |
| **Material 1 Desc:** | SILT |
| **Material 2:** | 28 |
| **Material 2 Desc:** | SAND |
| **Material 3:** | 85 |
| **Material 3 Desc:** | SOFT |
| **Formation Top Depth:** | 2.430000066757202 |
| **Formation End Depth:** | 3.0999999046325684 |
| **Formation End Depth UOM:** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| **Plug ID:** | 1005983474 |
| **Layer:** | 1 |
| **Plug From:** | 0.0 |
| **Plug To:** | 0.3100000023841858 |
| **Plug Depth UOM:** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| **Plug ID:** | 1005983475 |
| **Layer:** | 2 |
| **Plug From:** | 0.3100000023841858 |
| **Plug To:** | 1.8200000524520874 |
| **Plug Depth UOM:** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| **Plug ID:** | 1005983476 |

| | |
|---|---|
| ***Layer:*** | 3 |
| ***Plug From:*** | 1.8200000524520874 |
| ***Plug To:*** | 5.179999828338623 |
| ***Plug Depth UOM:*** | m |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 1005983473 |
| ***Method Construction Code:*** | D |
| ***Method Construction:*** | Direct Push |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1005983463 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005983469 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 2.130000114440918 |
| ***Casing Diameter:*** | 4.03000020980835 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1005983470 |
| ***Layer:*** | 1 |
| ***Slot:*** | 10 |
| ***Screen Top Depth:*** | 2.130000114440918 |
| ***Screen End Depth:*** | 5.179999828338623 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 4.820000171661377 |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1005983468 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1005983467 |
| ***Diameter:*** | 8.25 |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 5.179999828338623 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 5 | 1 of 1 | ESE/0.0 | 63.8 / 0.07 | 441 ECHO DR<br>OTTAWA ON | WWIS |

| | | | |
|---|---|---|---|
| **Well ID:** | 7257885 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | Monitoring and Test Hole | **Data Entry Status:** | |
| **Use 2nd:** | 0 | **Data Src:** | |
| **Final Well Status:** | Monitoring and Test Hole | **Date Received:** | 02/17/2016 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z222383 | **Contractor:** | 7241 |
| **Tag:** | A186496 | **Form Version:** | 7 |
| **Constructn Method:** | | **Owner:** | |
| **Elevation (m):** | | **County:** | OTTAWA-CARLETON |
| **Elevatn Reliabilty:** | | **Lot:** | |
| **Depth to Bedrock:** | | **Concession:** | |
| **Well Depth:** | | **Concession Name:** | |
| **Overburden/Bedrock:** | | **Easting NAD83:** | |
| **Pump Rate:** | | **Northing NAD83:** | |
| **Static Water Level:** | | **Zone:** | |
| **Clear/Cloudy:** | | **UTM Reliability:** | |

**Municipality:** OTTAWA CITY
**Site Info:**

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/725\7257885.pdf

***Additional Detail(s) (Map)***

**Well Completed Date:** 01/28/2016
**Year Completed:** 2016
**Depth (m):** 4.27
**Latitude:** 45.4057721421964
**Longitude:** -75.6799648350302
**Point X:** -75.67996467350471
**Point Y:** 45.40577213529697
**Path:** 725\7257885.pdf

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005888121 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 446788.00 |
| **Code OB Desc:** | | **North83:** | 5028253.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 01/28/2016 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |

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

***Overburden and Bedrock Materials Interval***

**Formation ID:** 1005983447
**Layer:** 1

| | |
|---|---|
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 28 |
| ***Material 1 Desc:*** | SAND |
| ***Material 2:*** | |
| ***Material 2 Desc:*** | |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 2.440000057220459 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005983449 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 06 |
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | 08 |
| ***Material 2 Desc:*** | FINE SAND |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 3.0999999046325684 |
| ***Formation End Depth:*** | 4.269999980926514 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005983448 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 28 |
| ***Material 1 Desc:*** | SAND |
| ***Material 2:*** | 06 |
| ***Material 2 Desc:*** | SILT |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 2.440000057220459 |
| ***Formation End Depth:*** | 3.0999999046325684 |
| ***Formation End Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005983457 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.0 |
| ***Plug To:*** | 0.3100000023841858 |
| ***Plug Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005983458 |
| ***Layer:*** | 2 |
| ***Plug From:*** | 0.3100000023841858 |
| ***Plug To:*** | 1.2100000381469727 |

***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005983459
***Layer:*** 3
***Plug From:*** 1.2100000381469727
***Plug To:*** 4.269999980926514
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:*** 1005983456
***Method Construction Code:*** D
***Method Construction:*** Direct Push
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1005983446
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1005983452
***Layer:*** 1
***Material:*** 5
***Open Hole or Material:*** PLASTIC
***Depth From:*** 0.0
***Depth To:*** 1.5199999809265137
***Casing Diameter:*** 4.03000020980835
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Construction Record - Screen***

***Screen ID:*** 1005983453
***Layer:*** 1
***Slot:*** 10
***Screen Top Depth:*** 1.5199999809265137
***Screen End Depth:*** 4.269999980926514
***Screen Material:*** 5
***Screen Depth UOM:*** m
***Screen Diameter UOM:*** cm
***Screen Diameter:*** 4.800000190734863

***Water Details***

***Water ID:*** 1005983451
***Layer:***
***Kind Code:***
***Kind:***
***Water Found Depth:***
***Water Found Depth UOM:*** m

***Hole Diameter***

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

**Hole ID:** 1005983450
**Diameter:** 8.25
**Depth From:** 0.0
**Depth To:** 4.269999980926514
**Hole Depth UOM:** m
**Hole Diameter UOM:** cm

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**6** | **1 of 1** | **E/0.0** | **64.6 / 0.80** | **441 ECH FRIVE 443 Ottawa ON** | **WWIS**

**Well ID:** 7235349
**Construction Date:**
**Use 1st:** Monitoring and Test Hole
**Use 2nd:** 0
**Final Well Status:** Monitoring and Test Hole
**Water Type:**
**Casing Material:**
**Audit No:** Z198164
**Tag:** A173753
**Constructn Method:**
**Elevation (m):**
**Elevatn Reliabilty:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Clear/Cloudy:**
**Municipality:** NEPEAN TOWNSHIP
**Site Info:**

**Flowing (Y/N):**
**Flow Rate:**
**Data Entry Status:**
**Data Src:**
**Date Received:** 01/12/2015
**Selected Flag:** TRUE
**Abandonment Rec:**
**Contractor:** 7241
**Form Version:** 7
**Owner:**
**County:** OTTAWA-CARLETON
**Lot:**
**Concession:**
**Concession Name:**
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7235349.pdf

***Additional Detail(s) (Map)***

**Well Completed Date:** 12/01/2014
**Year Completed:** 2014
**Depth (m):** 4.57
**Latitude:** 45.4058352988772
**Longitude:** -75.6799400358955
**Point X:** -75.67993987371753
**Point Y:** 45.40583529194351
**Path:** 723\7235349.pdf

***Bore Hole Information***

**Bore Hole ID:** 1005278800
**DP2BR:**
**Spatial Status:**
**Code OB:**
**Code OB Desc:**
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 12/01/2014
**Remarks:**
**Location Method Desc:** on Water Well Record
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

**Elevation:**
**Elevrc:**
**Zone:** 18
**East83:** 446790.00
**North83:** 5028260.00
**Org CS:** UTM83
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** wwr

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005477538 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 06 |
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | 05 |
| ***Material 2 Desc:*** | CLAY |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 1.5 |
| ***Formation End Depth:*** | 4.570000171661377 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005477537 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 08 |
| ***Material 1 Desc:*** | FINE SAND |
| ***Material 2:*** | 06 |
| ***Material 2 Desc:*** | SILT |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 1.5 |
| ***Formation End Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005477546 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.0 |
| ***Plug To:*** | 0.3100000023841858 |
| ***Plug Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005477547 |
| ***Layer:*** | 2 |
| ***Plug From:*** | 0.3100000023841858 |
| ***Plug To:*** | 1.2200000286102295 |
| ***Plug Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005477548 |
| ***Layer:*** | 3 |
| ***Plug From:*** | 1.2200000286102295 |
| ***Plug To:*** | 4.570000171661377 |
| ***Plug Depth UOM:*** | m |

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

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 1005477545 |
| ***Method Construction Code:*** | D |
| ***Method Construction:*** | Direct Push |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1005477536 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005477541 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 1.5 |
| ***Casing Diameter:*** | 4.03000020980835 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1005477542 |
| ***Layer:*** | 1 |
| ***Slot:*** | 10 |
| ***Screen Top Depth:*** | 1.5 |
| ***Screen End Depth:*** | 4.570000171661377 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 4.820000171661377 |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1005477540 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1005477539 |
| ***Diameter:*** | 8.300000190734863 |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 4.570000171661377 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

| | | | | | |
|---|---|---|---|---|---|
| ***7*** | ***1 of 1*** | ***SE/0.0*** | ***63.8 / 0.07*** | ***441 ECHO DRIVE Ottawa ON*** | ***WWIS*** |

| | | | |
|---|---|---|---|
| **Well ID:** | 7235353 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | Monitoring and Test Hole | **Data Entry Status:** | |
| **Use 2nd:** | 0 | **Data Src:** | |
| **Final Well Status:** | Monitoring and Test Hole | **Date Received:** | 01/12/2015 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z198158 | **Contractor:** | 7241 |
| **Tag:** | A173749 | **Form Version:** | 7 |
| **Constructn Method:** | | **Owner:** | |
| **Elevation (m):** | | **County:** | OTTAWA-CARLETON |
| **Elevatn Reliabilty:** | | **Lot:** | |
| **Depth to Bedrock:** | | **Concession:** | |
| **Well Depth:** | | **Concession Name:** | |
| **Overburden/Bedrock:** | | **Easting NAD83:** | |
| **Pump Rate:** | | **Northing NAD83:** | |
| **Static Water Level:** | | **Zone:** | |
| **Clear/Cloudy:** | | **UTM Reliability:** | |

**Municipality:** NEPEAN TOWNSHIP
**Site Info:**

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7235353.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 12/01/2014 |
| **Year Completed:** | 2014 |
| **Depth (m):** | 3.1 |
| **Latitude:** | 45.4057360635288 |
| **Longitude:** | -75.679977180583 |
| **Point X:** | -75.67997701905063 |
| **Point Y:** | 45.40573605728549 |
| **Path:** | 723\7235353.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005278812 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 446787.00 |
| **Code OB Desc:** | | **North83:** | 5028249.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 12/01/2014 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |

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

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 1005478949 |
| **Layer:** | 2 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Material 1:** | 06 |
| **Material 1 Desc:** | SILT |
| **Material 2:** | 05 |

| | |
|---|---|
| ***Material 2 Desc:*** | CLAY |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 0.6100000143051147 |
| ***Formation End Depth:*** | 1.5 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005478950 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 06 |
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | 05 |
| ***Material 2 Desc:*** | CLAY |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 1.5 |
| ***Formation End Depth:*** | 3.0999999046325684 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005478948 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 01 |
| ***Material 1 Desc:*** | FILL |
| ***Material 2:*** | 85 |
| ***Material 2 Desc:*** | SOFT |
| ***Material 3:*** | 77 |
| ***Material 3 Desc:*** | LOOSE |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 0.6100000143051147 |
| ***Formation End Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005478958 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.0 |
| ***Plug To:*** | 0.3100000023841858 |
| ***Plug Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005478959 |
| ***Layer:*** | 2 |
| ***Plug From:*** | 0.3100000023841858 |
| ***Plug To:*** | 1.2200000286102295 |
| ***Plug Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005478960
***Layer:*** 3
***Plug From:*** 1.2200000286102295
***Plug To:*** 3.0999999046325684
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:*** 1005478957
***Method Construction Code:*** D
***Method Construction:*** Direct Push
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1005478947
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1005478953
***Layer:*** 1
***Material:*** 5
***Open Hole or Material:*** PLASTIC
***Depth From:*** 0.0
***Depth To:*** 1.5
***Casing Diameter:*** 3.450000047683716
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Construction Record - Screen***

***Screen ID:*** 1005478954
***Layer:*** 1
***Slot:*** 10
***Screen Top Depth:*** 1.5
***Screen End Depth:*** 3.0999999046325684
***Screen Material:*** 5
***Screen Depth UOM:*** m
***Screen Diameter UOM:*** cm
***Screen Diameter:*** 4.210000038146973

***Water Details***

***Water ID:*** 1005478952
***Layer:***
***Kind Code:***
***Kind:***
***Water Found Depth:***
***Water Found Depth UOM:*** m

***Hole Diameter***

***Hole ID:*** 1005478951
***Diameter:*** 5.710000038146973
***Depth From:*** 0.0
***Depth To:*** 3.0999999046325684
***Hole Depth UOM:*** m

**Hole Diameter UOM:** cm

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**8** | **1 of 2** | **ESE/0.0** | **63.8 / 0.07** | **441 ECHO DR OTTAWA ON** | **WWIS**

| | | | |
|---|---|---|---|
| **Well ID:** | 7257872 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | Monitoring and Test Hole | **Data Entry Status:** | |
| **Use 2nd:** | 0 | **Data Src:** | |
| **Final Well Status:** | Monitoring and Test Hole | **Date Received:** | 02/17/2016 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z222386 | **Contractor:** | 7241 |
| **Tag:** | A186614 | **Form Version:** | 7 |
| **Constructn Method:** | | **Owner:** | |
| **Elevation (m):** | | **County:** | OTTAWA-CARLETON |
| **Elevatn Reliabilty:** | | **Lot:** | |
| **Depth to Bedrock:** | | **Concession:** | |
| **Well Depth:** | | **Concession Name:** | |
| **Overburden/Bedrock:** | | **Easting NAD83:** | |
| **Pump Rate:** | | **Northing NAD83:** | |
| **Static Water Level:** | | **Zone:** | |
| **Clear/Cloudy:** | | **UTM Reliability:** | |

**Municipality:** NEPEAN TOWNSHIP
**Site Info:**

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/725\7257872.pdf

***Additional Detail(s) (Map)***

**Well Completed Date:** 01/28/2016
**Year Completed:** 2016
**Depth (m):** 4.87
**Latitude:** 45.4057361395966
**Longitude:** -75.6799644030847
**Point X:** -75.67996424141828
**Point Y:** 45.40573613296779
**Path:** 725\7257872.pdf

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005887373 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 446788.00 |
| **Code OB Desc:** | | **North83:** | 5028249.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 01/28/2016 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |

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

***Overburden and Bedrock Materials Interval***

**Formation ID:** 1005983371

| | |
|---|---|
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 06 |
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | 08 |
| ***Material 2 Desc:*** | FINE SAND |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 3.0999999046325684 |
| ***Formation End Depth:*** | 4.869999885559082 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005983370 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 06 |
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | |
| ***Material 2 Desc:*** | |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 2.440000057220459 |
| ***Formation End Depth:*** | 3.0999999046325684 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005983369 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 28 |
| ***Material 1 Desc:*** | SAND |
| ***Material 2:*** | |
| ***Material 2 Desc:*** | |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 2.440000057220459 |
| ***Formation End Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005983379 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.0 |
| ***Plug To:*** | 0.3100000023841858 |
| ***Plug Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005983380 |
| ***Layer:*** | 2 |
| ***Plug From:*** | 0.3100000023841858 |

***Plug To:*** 1.2200000286102295
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005983381
***Layer:*** 3
***Plug From:*** 1.2200000286102295
***Plug To:*** 4.269999980926514
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:*** 1005983378
***Method Construction Code:*** D
***Method Construction:*** Direct Push
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1005983368
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1005983374
***Layer:*** 1
***Material:*** 5
***Open Hole or Material:*** PLASTIC
***Depth From:*** 0.0
***Depth To:*** 1.5
***Casing Diameter:*** 4.03000020980835
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Construction Record - Screen***

***Screen ID:*** 1005983375
***Layer:*** 1
***Slot:*** 10
***Screen Top Depth:*** 1.5
***Screen End Depth:*** 4.269999980926514
***Screen Material:*** 5
***Screen Depth UOM:*** m
***Screen Diameter UOM:*** cm
***Screen Diameter:*** 4.820000171661377

***Water Details***

***Water ID:*** 1005983373
***Layer:***
***Kind Code:***
***Kind:***
***Water Found Depth:***
***Water Found Depth UOM:*** m

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1005983372 |
| ***Diameter:*** | 8.25 |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 4.269999980926514 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

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**8** | ***2 of 2*** | ***ESE/0.0*** | ***63.8 / 0.07*** | ***441 ECHO DR OTTAWA ON*** | ***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 7257884 | ***Flowing (Y/N):*** | |
| ***Construction Date:*** | | ***Flow Rate:*** | |
| ***Use 1st:*** | Monitoring and Test Hole | ***Data Entry Status:*** | |
| ***Use 2nd:*** | 0 | ***Data Src:*** | |
| ***Final Well Status:*** | Monitoring and Test Hole | ***Date Received:*** | 02/17/2016 |
| ***Water Type:*** | | ***Selected Flag:*** | TRUE |
| ***Casing Material:*** | | ***Abandonment Rec:*** | |
| ***Audit No:*** | Z222384 | ***Contractor:*** | 7241 |
| ***Tag:*** | A186616 | ***Form Version:*** | 7 |
| ***Constructn Method:*** | | ***Owner:*** | |
| ***Elevation (m):*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevatn Reliabilty:*** | | ***Lot:*** | |
| ***Depth to Bedrock:*** | | ***Concession:*** | |
| ***Well Depth:*** | | ***Concession Name:*** | |
| ***Overburden/Bedrock:*** | | ***Easting NAD83:*** | |
| ***Pump Rate:*** | | ***Northing NAD83:*** | |
| ***Static Water Level:*** | | ***Zone:*** | |
| ***Clear/Cloudy:*** | | ***UTM Reliability:*** | |
| ***Municipality:*** | OTTAWA CITY | | |
| ***Site Info:*** | | | |

***PDF URL (Map):*** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/725\7257884.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| ***Well Completed Date:*** | 01/28/2016 |
| ***Year Completed:*** | 2016 |
| ***Depth (m):*** | 4.27 |
| ***Latitude:*** | 45.4057361395966 |
| ***Longitude:*** | -75.6799644030847 |
| ***Point X:*** | -75.67996424141828 |
| ***Point Y:*** | 45.40573613296779 |
| ***Path:*** | 725\7257884.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1005888092 | ***Elevation:*** | |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | | ***East83:*** | 446788.00 |
| ***Code OB Desc:*** | | ***North83:*** | 5028249.00 |
| ***Open Hole:*** | | ***Org CS:*** | UTM83 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 01/28/2016 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | wwr |
| ***Location Method Desc:*** | on Water Well Record | | |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |

***Supplier Comment:***

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005983430 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 28 |
| ***Material 1 Desc:*** | SAND |
| ***Material 2:*** | |
| ***Material 2 Desc:*** | |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 2.440000057220459 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005983432 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 06 |
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | 08 |
| ***Material 2 Desc:*** | FINE SAND |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 3.0999999046325684 |
| ***Formation End Depth:*** | 4.269999980926514 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005983431 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 28 |
| ***Material 1 Desc:*** | SAND |
| ***Material 2:*** | 06 |
| ***Material 2 Desc:*** | SILT |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 2.440000057220459 |
| ***Formation End Depth:*** | 3.0999999046325684 |
| ***Formation End Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005983442 |
| ***Layer:*** | 3 |
| ***Plug From:*** | 1.2100000381469727 |
| ***Plug To:*** | 4.269999980926514 |
| ***Plug Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005983440 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.0 |
| ***Plug To:*** | 0.3100000023841858 |
| ***Plug Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005983441 |
| ***Layer:*** | 2 |
| ***Plug From:*** | 0.3100000023841858 |
| ***Plug To:*** | 1.2100000381469727 |
| ***Plug Depth UOM:*** | m |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 1005983439 |
| ***Method Construction Code:*** | D |
| ***Method Construction:*** | Direct Push |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1005983429 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005983435 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 1.5199999809265137 |
| ***Casing Diameter:*** | 4.03000020980835 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1005983436 |
| ***Layer:*** | 1 |
| ***Slot:*** | 10 |
| ***Screen Top Depth:*** | 1.5199999809265137 |
| ***Screen End Depth:*** | 4.269999980926514 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 4.820000171661377 |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1005983434 |
| ***Layer:*** | |

**Kind Code:**
**Kind:**
**Water Found Depth:**
**Water Found Depth UOM:** m

***Hole Diameter***

**Hole ID:** 1005983433
**Diameter:** 8.25
**Depth From:** 0.0
**Depth To:** 4.269999980926514
**Hole Depth UOM:** m
**Hole Diameter UOM:** cm

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**9** | **1 of 1** | **E/0.0** | **63.8 / 0.07** | **441 ECHO DRIVE 443 Ottawa ON** | **WWIS**

**Well ID:** 7235350
**Construction Date:**
**Use 1st:** Monitoring and Test Hole
**Use 2nd:** 0
**Final Well Status:** Monitoring and Test Hole
**Water Type:**
**Casing Material:**
**Audit No:** Z198162
**Tag:** A172752
**Constructn Method:**
**Elevation (m):**
**Elevatn Reliabilty:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Clear/Cloudy:**
**Municipality:** NEPEAN TOWNSHIP
**Site Info:**

**Flowing (Y/N):**
**Flow Rate:**
**Data Entry Status:**
**Data Src:**
**Date Received:** 01/12/2015
**Selected Flag:** TRUE
**Abandonment Rec:**
**Contractor:** 7241
**Form Version:** 7
**Owner:**
**County:** OTTAWA-CARLETON
**Lot:**
**Concession:**
**Concession Name:**
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7235350.pdf

***Additional Detail(s) (Map)***

**Well Completed Date:** 12/01/2014
**Year Completed:** 2014
**Depth (m):** 4.57
**Latitude:** 45.4057814471036
**Longitude:** -75.6799138329824
**Point X:** -75.67991367077228
**Point Y:** 45.405781439866125
**Path:** 723\7235350.pdf

***Bore Hole Information***

**Bore Hole ID:** 1005278803
**DP2BR:**
**Spatial Status:**
**Code OB:**
**Code OB Desc:**
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 12/01/2014
**Remarks:**

**Elevation:**
**Elevrc:**
**Zone:** 18
**East83:** 446792.00
**North83:** 5028254.00
**Org CS:** UTM83
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**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:*** 1005477894
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Material 1:*** 08
***Material 1 Desc:*** FINE SAND
***Material 2:*** 06
***Material 2 Desc:*** SILT
***Material 3:*** 85
***Material 3 Desc:*** SOFT
***Formation Top Depth:*** 0.0
***Formation End Depth:*** 1.5
***Formation End Depth UOM:*** m

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005477895
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Material 1:*** 06
***Material 1 Desc:*** SILT
***Material 2:*** 05
***Material 2 Desc:*** CLAY
***Material 3:*** 85
***Material 3 Desc:*** SOFT
***Formation Top Depth:*** 1.5
***Formation End Depth:*** 4.570000171661377
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005477904
***Layer:*** 2
***Plug From:*** 0.3100000023841858
***Plug To:*** 1.2200000286102295
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005477903
***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 0.3100000023841858
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005477905
***Layer:*** 3
***Plug From:*** 1.2200000286102295
***Plug To:*** 4.570000171661377
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:*** 1005477902
***Method Construction Code:*** D
***Method Construction:*** Direct Push
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1005477893
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1005477898
***Layer:*** 1
***Material:*** 5
***Open Hole or Material:*** PLASTIC
***Depth From:*** 0.0
***Depth To:*** 1.5
***Casing Diameter:*** 4.03000020980835
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Construction Record - Screen***

***Screen ID:*** 1005477899
***Layer:*** 1
***Slot:*** 10
***Screen Top Depth:*** 1.5
***Screen End Depth:*** 4.570000171661377
***Screen Material:*** 5
***Screen Depth UOM:*** m
***Screen Diameter UOM:*** cm
***Screen Diameter:*** 4.820000171661377

***Water Details***

***Water ID:*** 1005477897
***Layer:***
***Kind Code:***
***Kind:***
***Water Found Depth:***
***Water Found Depth UOM:*** m

***Hole Diameter***

***Hole ID:*** 1005477896
***Diameter:*** 8.300000190734863
***Depth From:*** 0.0
***Depth To:*** 4.570000171661377

**Hole Depth UOM:** m
**Hole Diameter UOM:** cm

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**10** | **1 of 1** | **WSW/0.0** | **63.7 / -0.03** | **441 EHCO FR OTTAWA ON** | **WWIS**

| | | | |
|---|---|---|---|
| **Well ID:** | 7257830 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | Monitoring and Test Hole | **Data Entry Status:** | |
| **Use 2nd:** | 0 | **Data Src:** | |
| **Final Well Status:** | Monitoring and Test Hole | **Date Received:** | 02/17/2016 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z222387 | **Contractor:** | 7241 |
| **Tag:** | A169706 | **Form Version:** | 7 |
| **Constructn Method:** | | **Owner:** | |
| **Elevation (m):** | | **County:** | OTTAWA-CARLETON |
| **Elevatn Reliabilty:** | | **Lot:** | |
| **Depth to Bedrock:** | | **Concession:** | |
| **Well Depth:** | | **Concession Name:** | |
| **Overburden/Bedrock:** | | **Easting NAD83:** | |
| **Pump Rate:** | | **Northing NAD83:** | |
| **Static Water Level:** | | **Zone:** | |
| **Clear/Cloudy:** | | **UTM Reliability:** | |

**Municipality:** NEPEAN TOWNSHIP
**Site Info:**

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/725\7257830.pdf

***Additional Detail(s) (Map)***

**Well Completed Date:** 01/29/2016
**Year Completed:** 2016
**Depth (m):** 5.18
**Latitude:** 45.4057346179695
**Longitude:** -75.6802199530413
**Point X:** -75.68021979137075
**Point Y:** 45.405734611122206
**Path:** 725\7257830.pdf

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005887081 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 446768.00 |
| **Code OB Desc:** | | **North83:** | 5028249.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 01/29/2016 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |

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

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005982351 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 06 |
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | |
| ***Material 2 Desc:*** | |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 2.430000066757202 |
| ***Formation End Depth:*** | 3.0999999046325684 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005982350 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 28 |
| ***Material 1 Desc:*** | SAND |
| ***Material 2:*** | |
| ***Material 2 Desc:*** | |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 2.430000066757202 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005982352 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 06 |
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | 08 |
| ***Material 2 Desc:*** | FINE SAND |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 3.0999999046325684 |
| ***Formation End Depth:*** | 5.179999828338623 |
| ***Formation End Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005982360 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.0 |
| ***Plug To:*** | 0.3100000023841858 |
| ***Plug Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1005982362 |
| ***Layer:*** | 3 |

***Plug From:*** 1.8200000524520874
***Plug To:*** 5.179999828338623
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005982361
***Layer:*** 2
***Plug From:*** 0.3100000023841858
***Plug To:*** 1.8200000524520874
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:*** 1005982359
***Method Construction Code:*** D
***Method Construction:*** Direct Push
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1005982349
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1005982355
***Layer:*** 1
***Material:*** 5
***Open Hole or Material:*** PLASTIC
***Depth From:*** 0.0
***Depth To:*** 2.130000114440918
***Casing Diameter:*** 4.03000020980835
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Construction Record - Screen***

***Screen ID:*** 1005982356
***Layer:*** 1
***Slot:*** 10
***Screen Top Depth:*** 2.130000114440918
***Screen End Depth:*** 5.179999828338623
***Screen Material:*** 5
***Screen Depth UOM:*** m
***Screen Diameter UOM:*** cm
***Screen Diameter:*** 4.820000171661377

***Water Details***

***Water ID:*** 1005982354
***Layer:***
***Kind Code:***
***Kind:***
***Water Found Depth:***
***Water Found Depth UOM:*** m

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1005982353 |
| ***Diameter:*** | 8.25 |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 5.179999828338623 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

| | | | | | |
|---|---|---|---|---|---|
| 11 | *1 of 1* | *ESE/0.0* | *63.8 / 0.07* | *441 Echo Dr Ottawa ON* | *WWIS* |

| | | | |
|---|---|---|---|
| ***Well ID:*** | 7348627 | ***Flowing (Y/N):*** | |
| ***Construction Date:*** | | ***Flow Rate:*** | |
| ***Use 1st:*** | Monitoring and Test Hole | ***Data Entry Status:*** | |
| ***Use 2nd:*** | | ***Data Src:*** | |
| ***Final Well Status:*** | Monitoring and Test Hole | ***Date Received:*** | 11/27/2019 |
| ***Water Type:*** | | ***Selected Flag:*** | TRUE |
| ***Casing Material:*** | | ***Abandonment Rec:*** | |
| ***Audit No:*** | Z324332 | ***Contractor:*** | 7241 |
| ***Tag:*** | A282394 | ***Form Version:*** | 7 |
| ***Constructn Method:*** | | ***Owner:*** | |
| ***Elevation (m):*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevatn Reliabilty:*** | | ***Lot:*** | |
| ***Depth to Bedrock:*** | | ***Concession:*** | |
| ***Well Depth:*** | | ***Concession Name:*** | |
| ***Overburden/Bedrock:*** | | ***Easting NAD83:*** | |
| ***Pump Rate:*** | | ***Northing NAD83:*** | |
| ***Static Water Level:*** | | ***Zone:*** | |
| ***Clear/Cloudy:*** | | ***UTM Reliability:*** | |
| ***Municipality:*** | OTTAWA CITY | | |
| ***Site Info:*** | | | |

***PDF URL (Map):*** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/734\7348627.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| ***Well Completed Date:*** | 11/04/2019 |
| ***Year Completed:*** | 2019 |
| ***Depth (m):*** | 3.9624 |
| ***Latitude:*** | 45.4057272910778 |
| ***Longitude:*** | -75.6799387401057 |
| ***Point X:*** | -75.67993857835648 |
| ***Point Y:*** | 45.405727284377306 |
| ***Path:*** | 734\7348627.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1007733139 | ***Elevation:*** | |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | | ***East83:*** | 446790.00 |
| ***Code OB Desc:*** | | ***North83:*** | 5028248.00 |
| ***Open Hole:*** | | ***Org CS:*** | UTM83 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 11/04/2019 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | wwr |
| ***Location Method Desc:*** | on Water Well Record | | |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |

***Source Revision Comment:***
***Supplier Comment:***

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1007914537 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 27 |
| ***Material 1 Desc:*** | OTHER |
| ***Material 2:*** | 11 |
| ***Material 2 Desc:*** | GRAVEL |
| ***Material 3:*** | 28 |
| ***Material 3 Desc:*** | SAND |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 1.0 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1007914538 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Material 1:*** | 10 |
| ***Material 1 Desc:*** | COARSE SAND |
| ***Material 2:*** | 11 |
| ***Material 2 Desc:*** | GRAVEL |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 1.0 |
| ***Formation End Depth:*** | 4.0 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1007914539 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 10 |
| ***Material 1 Desc:*** | COARSE SAND |
| ***Material 2:*** | 08 |
| ***Material 2 Desc:*** | FINE SAND |
| ***Material 3:*** | 06 |
| ***Material 3 Desc:*** | SILT |
| ***Formation Top Depth:*** | 4.0 |
| ***Formation End Depth:*** | 9.0 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1007914540 |
| ***Layer:*** | 4 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Material 1:*** | 06 |

| | |
|---|---|
| ***Material 1 Desc:*** | SILT |
| ***Material 2:*** | 05 |
| ***Material 2 Desc:*** | CLAY |
| ***Material 3:*** | 85 |
| ***Material 3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 9.0 |
| ***Formation End Depth:*** | 13.0 |
| ***Formation End Depth UOM:*** | ft |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1007915295 |
| ***Layer:*** | 3 |
| ***Plug From:*** | 2.0 |
| ***Plug To:*** | 13.0 |
| ***Plug Depth UOM:*** | ft |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1007915293 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.0 |
| ***Plug To:*** | 1.0 |
| ***Plug Depth UOM:*** | ft |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1007915294 |
| ***Layer:*** | 2 |
| ***Plug From:*** | 1.0 |
| ***Plug To:*** | 2.0 |
| ***Plug Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 1007915924 |
| ***Method Construction Code:*** | D |
| ***Method Construction:*** | Direct Push |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1007913416 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1007916392 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 3.0 |
| ***Casing Diameter:*** | 1.6100000143051147 |
| ***Casing Diameter UOM:*** | Inch |

***Casing Depth UOM:*** ft

***Construction Record - Screen***

***Screen ID:*** 1007916650
***Layer:*** 1
***Slot:*** 10
***Screen Top Depth:*** 3.0
***Screen End Depth:*** 13.0
***Screen Material:*** 5
***Screen Depth UOM:*** ft
***Screen Diameter UOM:*** inch
***Screen Diameter:*** 1.899999976158142

***Results of Well Yield Testing***

***Pumping Test Method Desc:***
***Pump Test ID:*** 1007917175
***Pump Set At:***
***Static Level:***
***Final Level After Pumping:***
***Recommended Pump Depth:***
***Pumping Rate:***
***Flowing Rate:***
***Recommended Pump Rate:***
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:***
***Water State After Test:***
***Pumping Test Method:*** 0
***Pumping Duration HR:***
***Pumping Duration MIN:***
***Flowing:***

***Hole Diameter***

***Hole ID:*** 1007915748
***Diameter:*** 3.25
***Depth From:*** 0.0
***Depth To:*** 13.0
***Hole Depth UOM:*** ft
***Hole Diameter UOM:*** Inch

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**12** | ***1 of 1*** | ***SW/0.0*** | ***63.7 / -0.03*** | ***441 ECHO DR OTTAWA ON*** | ***WWIS***

***Well ID:*** 7257887
***Construction Date:***
***Use 1st:*** Monitoring and Test Hole
***Use 2nd:*** 0
***Final Well Status:*** Monitoring and Test Hole
***Water Type:***
***Casing Material:***
***Audit No:*** Z222388
***Tag:*** A165699
***Constructn Method:***
***Elevation (m):***
***Elevatn Reliabilty:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***

***Flowing (Y/N):***
***Flow Rate:***
***Data Entry Status:***
***Data Src:***
***Date Received:*** 02/17/2016
***Selected Flag:*** TRUE
***Abandonment Rec:***
***Contractor:*** 7241
***Form Version:*** 7
***Owner:***
***County:*** OTTAWA-CARLETON
***Lot:***
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***

| | | | |
|---|---|---|---|
| **Static Water Level:** | | **Zone:** | |
| **Clear/Cloudy:** | | **UTM Reliability:** | |
| **Municipality:** | NEPEAN TOWNSHIP | | |
| **Site Info:** | | | |

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/725\7257887.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 01/29/2016 |
| **Year Completed:** | 2016 |
| **Depth (m):** | 5.18 |
| **Latitude:** | 45.4056717656107 |
| **Longitude:** | -75.6801936418882 |
| **Point X:** | -75.68019347973014 |
| **Point Y:** | 45.40567175898478 |
| **Path:** | 725\7257887.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005888127 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 446770.00 |
| **Code OB Desc:** | | **North83:** | 5028242.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 01/29/2016 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |

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

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 1005983489 |
| **Layer:** | 3 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Material 1:** | 06 |
| **Material 1 Desc:** | SILT |
| **Material 2:** | 08 |
| **Material 2 Desc:** | FINE SAND |
| **Material 3:** | 85 |
| **Material 3 Desc:** | SOFT |
| **Formation Top Depth:** | 3.0999999046325684 |
| **Formation End Depth:** | 5.179999828338623 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 1005983488 |
| **Layer:** | 2 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Material 1:** | 06 |

***Material 1 Desc:*** SILT
***Material 2:*** 28
***Material 2 Desc:*** SAND
***Material 3:*** 85
***Material 3 Desc:*** SOFT
***Formation Top Depth:*** 2.430000066757202
***Formation End Depth:*** 3.0999999046325684
***Formation End Depth UOM:*** m

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005983487
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Material 1:*** 28
***Material 1 Desc:*** SAND
***Material 2:***
***Material 2 Desc:***
***Material 3:*** 85
***Material 3 Desc:*** SOFT
***Formation Top Depth:*** 0.0
***Formation End Depth:*** 2.430000066757202
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005983499
***Layer:*** 3
***Plug From:*** 1.8200000524520874
***Plug To:*** 5.179999828338623
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005983498
***Layer:*** 2
***Plug From:*** 0.3100000023841858
***Plug To:*** 1.8200000524520874
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005983497
***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 0.3100000023841858
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:*** 1005983496
***Method Construction Code:*** D
***Method Construction:*** Direct Push
***Other Method Construction:***

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1005983486 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005983492 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 2.130000114440918 |
| ***Casing Diameter:*** | 4.03000020980835 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1005983493 |
| ***Layer:*** | 1 |
| ***Slot:*** | 10 |
| ***Screen Top Depth:*** | 2.130000114440918 |
| ***Screen End Depth:*** | 5.179999828338623 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 4.820000171661377 |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1005983491 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1005983490 |
| ***Diameter:*** | 8.25 |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 5.179999828338623 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

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**13** ***1 of 1*** ***SE/2.2*** ***63.8 / 0.07*** ***441 ECHO DRIVE Ottawa ON*** ***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 7235351 | ***Flowing (Y/N):*** | |
| ***Construction Date:*** | | ***Flow Rate:*** | |
| ***Use 1st:*** | Monitoring and Test Hole | ***Data Entry Status:*** | |
| ***Use 2nd:*** | 0 | ***Data Src:*** | |
| ***Final Well Status:*** | Monitoring and Test Hole | ***Date Received:*** | 01/12/2015 |
| ***Water Type:*** | | ***Selected Flag:*** | TRUE |
| ***Casing Material:*** | | ***Abandonment Rec:*** | |
| ***Audit No:*** | Z198161 | ***Contractor:*** | 7241 |
| ***Tag:*** | A173751 | ***Form Version:*** | 7 |
| ***Constructn Method:*** | | ***Owner:*** | |

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

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7235351.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 12/01/2014 |
| **Year Completed:** | 2014 |
| **Depth (m):** | 3.66 |
| **Latitude:** | 45.405700441253 |
| **Longitude:** | -75.6799128611786 |
| **Point X:** | -75.67991269880233 |
| **Point Y:** | 45.40570043397595 |
| **Path:** | 723\7235351.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005278806 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 446792.00 |
| **Code OB Desc:** | | **North83:** | 5028245.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 12/01/2014 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Location Method Desc:** | on Water Well Record | | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 1005477948 |
| **Layer:** | 2 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Material 1:** | 28 |
| **Material 1 Desc:** | SAND |
| **Material 2:** | 06 |
| **Material 2 Desc:** | SILT |
| **Material 3:** | 05 |
| **Material 3 Desc:** | CLAY |
| **Formation Top Depth:** | 0.6100000143051147 |
| **Formation End Depth:** | 1.5 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005477949
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Material 1:*** 06
***Material 1 Desc:*** SILT
***Material 2:*** 05
***Material 2 Desc:*** CLAY
***Material 3:*** 85
***Material 3 Desc:*** SOFT
***Formation Top Depth:*** 1.5
***Formation End Depth:*** 3.6600000858306885
***Formation End Depth UOM:*** m

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005477947
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Material 1:*** 01
***Material 1 Desc:*** FILL
***Material 2:*** 77
***Material 2 Desc:*** LOOSE
***Material 3:*** 85
***Material 3 Desc:*** SOFT
***Formation Top Depth:*** 0.0
***Formation End Depth:*** 0.6100000143051147
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005477959
***Layer:*** 3
***Plug From:*** 1.8300000429153442
***Plug To:*** 3.6600000858306885
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005477958
***Layer:*** 2
***Plug From:*** 0.3100000023841858
***Plug To:*** 1.8300000429153442
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005477957
***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 0.3100000023841858
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

**Method Construction ID:** 1005477956
**Method Construction Code:** D
**Method Construction:** Direct Push
**Other Method Construction:**

***Pipe Information***

**Pipe ID:** 1005477946
**Casing No:** 0
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 1005477952
**Layer:** 1
**Material:** 5
**Open Hole or Material:** PLASTIC
**Depth From:** 0.0
**Depth To:** 3.440000057220459
**Casing Diameter:** 3.450000047683716
**Casing Diameter UOM:** cm
**Casing Depth UOM:** m

***Construction Record - Screen***

**Screen ID:** 1005477953
**Layer:** 1
**Slot:** 10
**Screen Top Depth:** 3.440000057220459
**Screen End Depth:** 3.6600000858306885
**Screen Material:** 5
**Screen Depth UOM:** m
**Screen Diameter UOM:** cm
**Screen Diameter:** 4.210000038146973

***Water Details***

**Water ID:** 1005477951
**Layer:**
**Kind Code:**
**Kind:**
**Water Found Depth:**
**Water Found Depth UOM:** m

***Hole Diameter***

**Hole ID:** 1005477950
**Diameter:** 5.710000038146973
**Depth From:** 0.0
**Depth To:** 3.6600000858306885
**Hole Depth UOM:** m
**Hole Diameter UOM:** cm

---

| | | | | | |
|---|---|---|---|---|---|
| 14 | 1 of 1 | ESE/3.2 | 63.8 / 0.07 | 441 ECHO DRIVE 443<br>Ottawa ON | WWIS |

**Well ID:** 7235352
**Construction Date:**
**Use 1st:** Monitoring and Test Hole
**Use 2nd:** 0
**Flowing (Y/N):**
**Flow Rate:**
**Data Entry Status:**
**Data Src:**

| | | | |
|---|---|---|---|
| **Final Well Status:** | Monitoring and Test Hole | **Date Received:** | 01/12/2015 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z198159 | **Contractor:** | 7241 |
| **Tag:** | A173750 | **Form Version:** | 7 |
| **Constructn Method:** | | **Owner:** | |
| **Elevation (m):** | | **County:** | OTTAWA-CARLETON |
| **Elevatn Reliabilty:** | | **Lot:** | |
| **Depth to Bedrock:** | | **Concession:** | |
| **Well Depth:** | | **Concession Name:** | |
| **Overburden/Bedrock:** | | **Easting NAD83:** | |
| **Pump Rate:** | | **Northing NAD83:** | |
| **Static Water Level:** | | **Zone:** | |
| **Clear/Cloudy:** | | **UTM Reliability:** | |
| **Municipality:** | NEPEAN TOWNSHIP | | |
| **Site Info:** | | | |

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7235352.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 12/01/2014 |
| **Year Completed:** | 2014 |
| **Depth (m):** | 4.57 |
| **Latitude:** | 45.4057006694304 |
| **Longitude:** | -75.6798745287071 |
| **Point X:** | -75.67987436680353 |
| **Point Y:** | 45.405700662284424 |
| **Path:** | 723\7235352.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005278809 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 446795.00 |
| **Code OB Desc:** | | **North83:** | 5028245.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 12/01/2014 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Location Method Desc:** | on Water Well Record | | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 1005477961 |
| **Layer:** | 1 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Material 1:** | 08 |
| **Material 1 Desc:** | FINE SAND |
| **Material 2:** | 06 |
| **Material 2 Desc:** | SILT |
| **Material 3:** | 85 |
| **Material 3 Desc:** | SOFT |
| **Formation Top Depth:** | 0.0 |

***Formation End Depth:*** 1.5
***Formation End Depth UOM:*** m

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005477962
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Material 1:*** 06
***Material 1 Desc:*** SILT
***Material 2:*** 05
***Material 2 Desc:*** CLAY
***Material 3:*** 85
***Material 3 Desc:*** SOFT
***Formation Top Depth:*** 1.5
***Formation End Depth:*** 4.570000171661377
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005477972
***Layer:*** 3
***Plug From:*** 1.2200000286102295
***Plug To:*** 4.570000171661377
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005477970
***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 0.3100000023841858
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005477971
***Layer:*** 2
***Plug From:*** 0.3100000023841858
***Plug To:*** 1.2200000286102295
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:*** 1005477969
***Method Construction Code:*** D
***Method Construction:*** Direct Push
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1005477960
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005477965 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 1.5 |
| ***Casing Diameter:*** | 4.03000020980835 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1005477966 |
| ***Layer:*** | 1 |
| ***Slot:*** | 10 |
| ***Screen Top Depth:*** | 1.5 |
| ***Screen End Depth:*** | 4.570000171661377 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 4.820000171661377 |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1005477964 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1005477963 |
| ***Diameter:*** | 8.300000190734863 |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 4.570000171661377 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

**15** ***1 of 1*** ***W/26.8*** ***62.2 / -1.59*** ***ON*** ***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 7298988 | ***Flowing (Y/N):*** | |
| ***Construction Date:*** | | ***Flow Rate:*** | |
| ***Use 1st:*** | | ***Data Entry Status:*** | Yes |
| ***Use 2nd:*** | | ***Data Src:*** | |
| ***Final Well Status:*** | | ***Date Received:*** | 11/09/2017 |
| ***Water Type:*** | | ***Selected Flag:*** | TRUE |
| ***Casing Material:*** | | ***Abandonment Rec:*** | |
| ***Audit No:*** | M08927 | ***Contractor:*** | 6894 |
| ***Tag:*** | | ***Form Version:*** | 5 |
| ***Constructn Method:*** | | ***Owner:*** | |
| ***Elevation (m):*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevatn Reliabilty:*** | | ***Lot:*** | |
| ***Depth to Bedrock:*** | | ***Concession:*** | |
| ***Well Depth:*** | | ***Concession Name:*** | |
| ***Overburden/Bedrock:*** | | ***Easting NAD83:*** | |
| ***Pump Rate:*** | | ***Northing NAD83:*** | |

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

**Static Water Level:** | **Zone:**
**Clear/Cloudy:** | **UTM Reliability:**
**Municipality:** OTTAWA CITY
**Site Info:**

***Additional Detail(s) (Map)***

**Bore Hole ID:** 1006793175 | **Tag No:**
**Depth (m):** | **Contractor:** 6894
**Year Completed:** | **Latitude:** 45.4057498027493
**Well Completed Dt:** | **Longitude:** -75.6806929366113
**Audit No:** M08927 | **Point Y:** 45.40574979627735
**Path:** | **Point X:** -75.68069277487096

***Bore Hole Information***

**Bore Hole ID:** 1006793175 | **Elevation:**
**DP2BR:** | **Elevrc:**
**Spatial Status:** | **Zone:** 18
**Code OB:** | **East83:** 446731.00
**Code OB Desc:** | **North83:** 5028251.00
**Open Hole:** | **Org CS:** MTM09
**Cluster Kind:** | **UTMRC:** 4
**Date Completed:** | **UTMRC Desc:** margin of error : 30 m - 100 m
**Remarks:** | **Location Method:** wwr
**Location Method Desc:** on Water Well Record
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

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| | | | | | |
|---|---|---|---|---|---|
| 16 | 1 of 1 | ENE/38.8 | 64.9 / 1.10 | S 21 (1)(f) of FIPPA<br>167 McGillivray St.<br>Ottawa ON K1S 1K7 | SPL |

**Ref No:** 5483-82TM8M | **Municipality No:**
**Year:** | **Nature of Damage:**
**Incident Dt:** | **Discharger Report:**
**Dt MOE Arvl on Scn:** | **Material Group:**
**MOE Reported Dt:** 2/19/2010 | **Impact to Health:**
**Dt Document Closed:** 2/25/2010 | **Agency Involved:**
**Site No:**
**MOE Response:** Referral to others
**Site County/District:**
**Site Geo Ref Meth:**
**Site District Office:**
**Nearest Watercourse:**
**Site Name:** 167 McGillivray St.<UNOFFICIAL>
**Site Address:**
**Site Region:**
**Site Municipality:**
**Site Lot:**
**Site Conc:**
**Site Geo Ref Accu:**
**Site Map Datum:**
**Northing:**
**Easting:**
**Entity Operating Name:**
**Client Name:** S 21 (1)(f) of FIPPA
**Client Type:**
**Source Type:**

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

| | |
|---|---|
| **Incident Cause:** | Unknown |
| **Incident Preceding Spill:** | |
| **Incident Reason:** | |
| **Incident Summary:** | TSSA-FSB: Natural gas to atm. |
| **Environment Impact:** | Not Anticipated |
| **Health Env Consequence:** | |
| **Nature of Impact:** | |
| **Contaminant Qty:** | 0 other - see incident description |
| **Contaminant Qty 1:** | 0 |
| **Contaminant Unit:** | other - see incident description |
| **Contaminant Code:** | 35 |
| **Contaminant Name:** | NATURAL GAS (METHANE) |
| **Contaminant Limit 1:** | |
| **Contam Limit Freq 1:** | |
| **Contaminant UN No 1:** | |
| **Receiving Medium:** | |
| **Activity Preceding Spill:** | |
| **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:** | |
| **Waterbody Impacted:** | |

| | | | | | |
|---|---|---|---|---|---|
| 17 | 1 of 1 | NE/59.8 | 65.2 / 1.42 | **24 HERRIDGE STREET**<br>**OTTAWA ON K1S 0G7** | HINC |

| | |
|---|---|
| **External File Num:** | FS INC 0809-05757 |
| **Fuel Occurrence Type:** | Pipeline Strike |
| **Date of Occurrence:** | 9/20/2008 |
| **Fuel Type Involved:** | Natural Gas |
| **Status Desc:** | Completed - Causal Analysis(End) |
| **Job Type Desc:** | Incident/Near-Miss Occurrence (FS) |
| **Oper. Type Involved:** | Construction Site (pipeline strike) |
| **Service Interruptions:** | Yes |
| **Property Damage:** | Yes |
| **Fuel Life Cycle Stage:** | Transmission, Distribution and Transportation |
| **Root Cause:** | Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes |
| **Reported Details:** | |
| **Fuel Category:** | Gaseous Fuel |
| **Occurrence Type:** | Incident |
| **Affiliation:** | Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) |
| **County Name:** | Ottawa |
| **Approx. Quant. Rel:** | |
| **Nearby body of water:** | |
| **Enter Drainage Syst.:** | |
| **Approx. Quant. Unit:** | |
| **Environmental Impact:** | |

| | | | | | |
|---|---|---|---|---|---|
| 18 | 1 of 2 | N/105.6 | 64.2 / 0.40 | **ENBRIDGE GAS INC**<br>**150 MCGILLIVRAY ST,,OTTAWA,ON,K1S 1K6,CA**<br>**ON** | PINC |

| | |
|---|---|
| **Incident Id:** | **Pipe Material:** |

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

| | | | |
|---|---|---|---|
| **Incident No:** | 3053306 | **Fuel Category:** | |
| **Incident Reported Dt:** | 5/18/2021 | **Health Impact:** | |
| **Type:** | FS-Pipeline Incident | **Environment Impact:** | |
| **Status Code:** | | **Property Damage:** | |
| **Tank Status:** | Pipeline Damage Reason Est | **Service Interrupt:** | |
| **Task No:** | | **Enforce Policy:** | |
| **Spills Action Centre:** | | **Public Relation:** | |
| **Fuel Type:** | | **Pipeline System:** | |
| **Fuel Occurrence Tp:** | | **PSIG:** | |
| **Date of Occurrence:** | | **Attribute Category:** | |
| **Occurrence Start Dt:** | | **Regulator Location:** | |
| **Depth:** | | **Method Details:** | |
| **Customer Acct Name:** | ENBRIDGE GAS INC | | |
| **Incident Address:** | 150 MCGILLIVRAY ST,,OTTAWA,ON,K1S 1K6,CA | | |
| **Operation Type:** | | | |
| **Pipeline Type:** | | | |
| **Regulator Type:** | | | |
| **Summary:** | | | |
| **Reported By:** | | | |
| **Affiliation:** | | | |
| **Occurrence Desc:** | | | |
| **Damage Reason:** | | | |
| **Notes:** | | | |

| | | | | | |
|---|---|---|---|---|---|
| 18 | 2 of 2 | N/105.6 | 64.2 / 0.40 | **ENBRIDGE CONSUMERS GAS**<br>**150 McGillivray St, Ottawa, On**<br>**OTTAWA ON** | SPL |

| | | | |
|---|---|---|---|
| **Ref No:** | 1-G4RKX | **Municipality No:** | |
| **Year:** | | **Nature of Damage:** | |
| **Incident Dt:** | 5/18/2021 10:37:00 AM | **Discharger Report:** | |
| **Dt MOE Arvl on Scn:** | | **Material Group:** | |
| **MOE Reported Dt:** | 5/18/2021 11:41:14 AM | **Impact to Health:** | 0 No Impact |
| **Dt Document Closed:** | 6/16/2021 5:22:08 PM | **Agency Involved:** | |
| **Site No:** | | | |
| **MOE Response:** | Desktop Response | | |
| **Site County/District:** | | | |
| **Site Geo Ref Meth:** | | | |
| **Site District Office:** | Ottawa District Office | | |
| **Nearest Watercourse:** | | | |
| **Site Name:** | | | |
| **Site Address:** | 150 McGillivray St, Ottawa, On | | |
| **Site Region:** | | | |
| **Site Municipality:** | OTTAWA | | |
| **Site Lot:** | | | |
| **Site Conc:** | | | |
| **Site Geo Ref Accu:** | | | |
| **Site Map Datum:** | | | |
| **Northing:** | | | |
| **Easting:** | | | |
| **Entity Operating Name:** | | | |
| **Client Name:** | ENBRIDGE CONSUMERS GAS | | |
| **Client Type:** | Private Business | | |
| **Source Type:** | Pipeline/Components | | |
| **Incident Cause:** | | | |
| **Incident Preceding Spill:** | Line Strike | | |
| **Incident Reason:** | | | |
| **Incident Summary:** | TSSA-Enbridge: 1.25" plastic service IP Line hit, made safe | | |
| **Environment Impact:** | 0 No Impact | | |
| **Health Env Consequence:** | | | |
| **Nature of Impact:** | | | |
| **Contaminant Qty:** | 0 other - see notes | | |
| **Contaminant Qty 1:** | | | |
| **Contaminant Unit:** | | | |

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

| | |
|---|---|
| **Contaminant Code:** | |
| **Contaminant Name:** | NATURAL GAS |
| **Contaminant Limit 1:** | |
| **Contam Limit Freq 1:** | |
| **Contaminant UN No 1:** | |
| **Receiving Medium:** | Air |
| **Activity Preceding Spill:** | Construction or repair |
| **Property 2nd Watershed:** | Lower Ottawa |
| **Property Tertiary Watershed:** | 02LA-Rideau |
| **Sector Type:** | NATURAL GAS DISTRIBUTION |
| **SAC Action Class:** | |
| **Call Report Locatn Geodata:** | {"integration_ids":["PR00003885508"],"wkts":["POINT (-75.6802553000 45.4069453000)"],"creation_date":"2021-05-18"} |
| **Time Reported:** | |
| **System Facility Address:** | |
| **Source Sector Type:** | |
| **Conservtn Auth Name:** | |
| **Primary Watershed:** | |
| **Quaternary Watershed:** | |
| **Offsite Impacts:** | |
| **Waterbody Impacted:** | |

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**19** *1 of 1* *E/108.2* *65.0 / 1.19* ***PIPELINE HIT 1/2"*** ***179 DRUMMOND ST,,OTTAWA,ON,K1S 1K3,CA*** ***ON*** ***PINC***

| | | | |
|---|---|---|---|
| **Incident Id:** | | **Pipe Material:** | |
| **Incident No:** | 1105154 | **Fuel Category:** | |
| **Incident Reported Dt:** | 5/23/2013 | **Health Impact:** | |
| **Type:** | FS-Pipeline Incident | **Environment Impact:** | |
| **Status Code:** | | **Property Damage:** | |
| **Tank Status:** | Not Investigated | **Service Interrupt:** | |
| **Task No:** | | **Enforce Policy:** | |
| **Spills Action Centre:** | | **Public Relation:** | |
| **Fuel Type:** | | **Pipeline System:** | |
| **Fuel Occurrence Tp:** | | **PSIG:** | |
| **Date of Occurrence:** | | **Attribute Category:** | |
| **Occurrence Start Dt:** | | **Regulator Location:** | |
| **Depth:** | | **Method Details:** | |
| **Customer Acct Name:** | PIPELINE HIT 1/2" | | |
| **Incident Address:** | 179 DRUMMOND ST,,OTTAWA,ON,K1S 1K3,CA | | |
| **Operation Type:** | | | |
| **Pipeline Type:** | | | |
| **Regulator Type:** | | | |
| **Summary:** | | | |
| **Reported By:** | | | |
| **Affiliation:** | | | |
| **Occurrence Desc:** | | | |
| **Damage Reason:** | | | |
| **Notes:** | | | |

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**20** *1 of 1* *W/116.3* *54.7 / -9.08* ***ON*** ***WWIS***

| | | | |
|---|---|---|---|
| **Well ID:** | 7298987 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | | **Data Entry Status:** | Yes |
| **Use 2nd:** | | **Data Src:** | |
| **Final Well Status:** | | **Date Received:** | 11/09/2017 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | M08928 | **Contractor:** | 6894 |

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

| | | | |
|---|---|---|---|
| **Tag:** | | **Form Version:** | 5 |
| **Constructn Method:** | | **Owner:** | |
| **Elevation (m):** | | **County:** | OTTAWA-CARLETON |
| **Elevatn Reliabilty:** | | **Lot:** | |
| **Depth to Bedrock:** | | **Concession:** | |
| **Well Depth:** | | **Concession Name:** | |
| **Overburden/Bedrock:** | | **Easting NAD83:** | |
| **Pump Rate:** | | **Northing NAD83:** | |
| **Static Water Level:** | | **Zone:** | |
| **Clear/Cloudy:** | | **UTM Reliability:** | |
| **Municipality:** | OTTAWA CITY | | |
| **Site Info:** | | | |

***Additional Detail(s) (Map)***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1006793172 | **Tag No:** | |
| **Depth (m):** | | **Contractor:** | 6894 |
| **Year Completed:** | | **Latitude:** | 45.405545158187 |
| **Well Completed Dt:** | | **Longitude:** | -75.6818021967579 |
| **Audit No:** | M08928 | **Point Y:** | 45.40554515141819 |
| **Path:** | | **Point X:** | -75.68180203489463 |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1006793172 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 446644.00 |
| **Code OB Desc:** | | **North83:** | 5028229.00 |
| **Open Hole:** | | **Org CS:** | MTM09 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Location Method Desc:** | on Water Well Record | | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

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**21** | ***1 of 1*** | ***SSW/116.5*** | ***61.8 / -1.93*** | ***Rideau Canal at Colonel By Dr. and Clegg St. Ottawa ON*** | ***SPL***

| | | | |
|---|---|---|---|
| **Ref No:** | 0832-AV28ER | **Municipality No:** | |
| **Year:** | | **Nature of Damage:** | |
| **Incident Dt:** | 2018/01/15 | **Discharger Report:** | |
| **Dt MOE Arvl on Scn:** | | **Material Group:** | |
| **MOE Reported Dt:** | 2018/01/15 | **Impact to Health:** | 2 - Minor Environment |
| **Dt Document Closed:** | | **Agency Involved:** | |
| **Site No:** | NA | | |
| **MOE Response:** | No | | |
| **Site County/District:** | | | |
| **Site Geo Ref Meth:** | | | |
| **Site District Office:** | Ottawa | | |
| **Nearest Watercourse:** | Rideau Canal | | |
| **Site Name:** | Rideau Canal<UNOFFICIAL> | | |
| **Site Address:** | Rideau Canal at Colonel By Dr. and Clegg St. | | |
| **Site Region:** | Eastern | | |
| **Site Municipality:** | Ottawa | | |
| **Site Lot:** | | | |
| **Site Conc:** | | | |
| **Site Geo Ref Accu:** | | | |

***Site Map Datum:***
***Northing:*** 5028124.54
***Easting:*** 446748.54
***Entity Operating Name:***
***Client Name:***
***Client Type:***
***Source Type:*** Unknown / N/A
***Incident Cause:***
***Incident Preceding Spill:*** Collision/Accident
***Incident Reason:*** Unknown / N/A
***Incident Summary:*** City of Ottawa: <1L Oil to Rideau Canal, Cleaned
***Environment Impact:***
***Health Env Consequence:***
***Nature of Impact:***
***Contaminant Qty:*** 0 other - see incident description
***Contaminant Qty 1:*** 0
***Contaminant Unit:*** other - see incident description
***Contaminant Code:*** 98
***Contaminant Name:*** UNKNOWN
***Contaminant Limit 1:***
***Contam Limit Freq 1:***
***Contaminant UN No 1:*** n/a
***Receiving Medium:*** Surface Water; Source Water Zone
***Activity Preceding Spill:***
***Property 2nd Watershed:***
***Property Tertiary Watershed:***
***Sector Type:*** Unknown / N/A
***SAC Action Class:*** Watercourse Spills
***Call Report Locatn Geodata:***
***Time Reported:***
***System Facility Address:***
***Source Sector Type:***
***Conservtn Auth Name:***
***Primary Watershed:***
***Quaternary Watershed:***
***Offsite Impacts:***
***Waterbody Impacted:***

---

| 22 | 1 of 1 | NNE/118.6 | 65.9 / 2.10 | 151 McGillivray St Ottawa OTTAWA ON | SPL |
|---|---|---|---|---|---|

***Ref No:*** 1-3EQWVA
***Year:***
***Incident Dt:*** 4/15/2023 4:57:59 PM
***Dt MOE Arvl on Scn:***
***MOE Reported Dt:*** 4/15/2023 4:57:59 PM
***Dt Document Closed:*** 4/17/2023 7:02:11 AM
***Site No:***
***MOE Response:*** Desktop Response
***Site County/District:***
***Site Geo Ref Meth:***
***Site District Office:*** Ottawa District Office
***Nearest Watercourse:*** cb
***Site Name:***
***Site Address:*** 151 McGillivray St Ottawa
***Site Region:***
***Site Municipality:*** OTTAWA
***Site Lot:***
***Site Conc:***
***Site Geo Ref Accu:***
***Site Map Datum:***
***Northing:***
***Easting:***
***Entity Operating Name:***
***Municipality No:***
***Nature of Damage:***
***Discharger Report:***
***Material Group:***
***Impact to Health:*** 0 No Impact
***Agency Involved:***

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

| | |
|---|---|
| **Client Name:** | |
| **Client Type:** | |
| **Source Type:** | Motor Vehicle |
| **Incident Cause:** | |
| **Incident Preceding Spill:** | Unknown / N/A |
| **Incident Reason:** | Road conditions |
| **Incident Summary:** | City of Ottawa: unknown quantity oil to cb - Ottawa |
| **Environment Impact:** | 1 Minor Impact |
| **Health Env Consequence:** | |
| **Nature of Impact:** | |
| **Contaminant Qty:** | 0 % |
| **Contaminant Qty 1:** | |
| **Contaminant Unit:** | |
| **Contaminant Code:** | |
| **Contaminant Name:** | ENGINE OIL |
| **Contaminant Limit 1:** | |
| **Contam Limit Freq 1:** | |
| **Contaminant UN No 1:** | |
| **Receiving Medium:** | Land; Surface Water |
| **Activity Preceding Spill:** | Normal operations |
| **Property 2nd Watershed:** | 02L \| Lower Ottawa River |
| **Property Tertiary Watershed:** | 02LA \| Rideau River |
| **Sector Type:** | WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION |
| **SAC Action Class:** | |
| **Call Report Locatn Geodata:** | {"integration_ids":["PR00003885138"],"wkts":["POINT (-75.6797723000 45.4070805000)"],"creation_date":"2023-04-15"} |
| **Time Reported:** | |
| **System Facility Address:** | |
| **Source Sector Type:** | |
| **Conservtn Auth Name:** | |
| **Primary Watershed:** | |
| **Quaternary Watershed:** | |
| **Offsite Impacts:** | |
| **Waterbody Impacted:** | |

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**23** | **1 of 1** | **W/194.4** | **69.3 / 5.50** | **s21<UNOFFICIAL>**<br>**#7 - 3rd Ave.**<br>**Ottawa ON** | **SPL**

| | | | |
|---|---|---|---|
| **Ref No:** | 4076-6QYNEW | **Municipality No:** | |
| **Year:** | | **Nature of Damage:** | |
| **Incident Dt:** | 6/19/2006 | **Discharger Report:** | |
| **Dt MOE Arvl on Scn:** | | **Material Group:** | |
| **MOE Reported Dt:** | 6/21/2006 | **Impact to Health:** | |
| **Dt Document Closed:** | | **Agency Involved:** | |
| **Site No:** | | | |
| **MOE Response:** | | | |
| **Site County/District:** | | | |
| **Site Geo Ref Meth:** | | | |
| **Site District Office:** | Ottawa | | |
| **Nearest Watercourse:** | | | |
| **Site Name:** | s21<UNOFFICIAL> | | |
| **Site Address:** | #7 - 3rd Ave. | | |
| **Site Region:** | | | |
| **Site Municipality:** | Ottawa | | |
| **Site Lot:** | | | |
| **Site Conc:** | | | |
| **Site Geo Ref Accu:** | | | |
| **Site Map Datum:** | | | |
| **Northing:** | | | |
| **Easting:** | | | |
| **Entity Operating Name:** | | | |
| **Client Name:** | Francis Fuels<UNOFFICIAL> | | |
| **Client Type:** | | | |

| | |
|---|---|
| ***Source Type:*** | Other |
| ***Incident Cause:*** | |
| ***Incident Preceding Spill:*** | |
| ***Incident Reason:*** | Other - Reason not otherwise defined |
| ***Incident Summary:*** | TSSA: oil spill in a basement #7 - 3rd Ave Ottawa |
| ***Environment Impact:*** | Not Anticipated |
| ***Health Env Consequence:*** | |
| ***Nature of Impact:*** | |
| ***Contaminant Qty:*** | 5 L |
| ***Contaminant Qty 1:*** | 5 |
| ***Contaminant Unit:*** | L |
| ***Contaminant Code:*** | 15 |
| ***Contaminant Name:*** | OIL (PETROLEUM BASED, NOT SPECIFIED) |
| ***Contaminant Limit 1:*** | |
| ***Contam Limit Freq 1:*** | |
| ***Contaminant UN No 1:*** | |
| ***Receiving Medium:*** | |
| ***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:*** | |
| ***Waterbody Impacted:*** | |

| | | | | | |
|---|---|---|---|---|---|
| ***24*** | ***1 of 1*** | ***WSW/202.0*** | ***65.9 / 2.12*** | ***HOMESTEAD LAND HOLDINGS LTD***<br>***350 QUEEN ELIZABETH DRIVE***<br>***OTTAWA ON K1S3N1*** | ***GEN*** |

***Generator Info***

| | | | |
|---|---|---|---|
| ***Generator No:*** | ON4063355 | ***Choice of Contact:*** | |
| ***Approval Years:*** | As of Dec 2018 | ***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:*** | 122 C |
| ***Waste Class Name:*** | Alkaline slutions - containing other metals and non-metals (not cyanide) |

***Waste Detail(s)***

| | |
|---|---|
| ***Waste Class:*** | 148 I |
| ***Waste Class Name:*** | Misc. wastes and inorganic chemicals |

***2018 Generator Info***

| | | | |
|---|---|---|---|
| ***Gen No:*** | ON4063355 | ***Choice of Contact:*** | CO_ADMIN |

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

| | | | |
|---|---|---|---|
| **ID:** | 16205 | **Phone No Official:** | 613-447-5234 Ext. |
| **Contaminated Fac:** | N | **Phone No Admin:** | 613-739-1070 Ext. |
| **MHSW Facility:** | N | **County Ont:** | OTTAWA CARLTON (RM) |
| **NAICS Code1:** | 531111 | **County Out:** | |
| **NAICS Code2:** | | **District:** | 402 |
| **NAICS Code3:** | | | |
| **Gen Name:** | HOMESTEAD LAND HOLDINGS LTD | | |
| **Gen Div:** | | | |
| **Gen Op Name:** | HOMESTEAD LAND HOLDINGS LTD | | |
| **Gen Op Div:** | | | |
| **Site Adrs1:** | 350 QUEEN ELIZABETH DRIVE | | |
| **Site Bldg:** | | | |
| **Site Pobox:** | | | |
| **Province In:** | ONTARIO | | |
| **Site Adrs2:** | | | |
| **Site City:** | OTTAWA | | |
| **Province Out:** | | | |
| **Site Postal Code:** | K1S3N1 | | |
| **Site Country:** | Canada | | |
| **Co Official:** | GREG HANN | | |
| **Co Admin:** | dawn macdougall | | |

***2018 Generator Manifest***

| | | | |
|---|---|---|---|
| **ID:** | 39262 | **Sum Received Qty:** | 100.0 |
| **Generator No:** | ON4063355 | **Waste Class Name:** | INORGANIC LABORATORY CHEMICALS |
| **Receiver Type:** | 035 | **Count Manifests:** | 1 |
| **Waste Char:** | I | **District:** | 402 |
| **Waste Code:** | 148 | | |

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**25** ***1 of 1*** ***SW/207.0*** ***54.9 / -8.90*** ***National Capital Contracting Incorporated*** ***Between Canal Ritz restaurant and Pretoria bridge*** ***Ottawa ON*** ***SPL***

| | | | |
|---|---|---|---|
| **Ref No:** | 1862-BSFPVA | **Municipality No:** | |
| **Year:** | | **Nature of Damage:** | |
| **Incident Dt:** | 2020/08/10 | **Discharger Report:** | |
| **Dt MOE Arvl on Scn:** | | **Material Group:** | |
| **MOE Reported Dt:** | 2020/08/13 | **Impact to Health:** | 2 - Minor Environment |
| **Dt Document Closed:** | | **Agency Involved:** | |
| **Site No:** | NA | | |
| **MOE Response:** | No | | |
| **Site County/District:** | | | |
| **Site Geo Ref Meth:** | | | |
| **Site District Office:** | Ottawa | | |
| **Nearest Watercourse:** | Rideau Canal | | |
| **Site Name:** | Spill Location <UNOFFICIAL> | | |
| **Site Address:** | Between Canal Ritz restaurant and Pretoria bridge | | |
| **Site Region:** | Eastern | | |
| **Site Municipality:** | Ottawa | | |
| **Site Lot:** | | | |
| **Site Conc:** | | | |
| **Site Geo Ref Accu:** | | | |
| **Site Map Datum:** | | | |
| **Northing:** | 5028051.44 | | |
| **Easting:** | 446672.85 | | |
| **Entity Operating Name:** | | | |
| **Client Name:** | National Capital Contracting Incorporated | | |
| **Client Type:** | Corporation | | |
| **Source Type:** | Other | | |
| **Incident Cause:** | | | |
| **Incident Preceding Spill:** | Vandalism | | |
| **Incident Reason:** | Unknown / N/A | | |

| | |
|---|---|
| **Incident Summary:** | National Capital Comission: Portable toilet thrown into Rideau Canal |
| **Environment Impact:** | |
| **Health Env Consequence:** | |
| **Nature of Impact:** | |
| **Contaminant Qty:** | 1 L |
| **Contaminant Qty 1:** | 1 |
| **Contaminant Unit:** | L |
| **Contaminant Code:** | 44 |
| **Contaminant Name:** | SEWAGE,RAW UNCHLORINATED |
| **Contaminant Limit 1:** | |
| **Contam Limit Freq 1:** | |
| **Contaminant UN No 1:** | n/a |
| **Receiving Medium:** | Surface Water |
| **Activity Preceding Spill:** | |
| **Property 2nd Watershed:** | |
| **Property Tertiary Watershed:** | |
| **Sector Type:** | Miscellaneous Industrial |
| **SAC Action Class:** | Watercourse Spills |
| **Call Report Locatn Geodata:** | |
| **Time Reported:** | |
| **System Facility Address:** | |
| **Source Sector Type:** | |
| **Conservtn Auth Name:** | |
| **Primary Watershed:** | |
| **Quaternary Watershed:** | |
| **Offsite Impacts:** | |
| **Waterbody Impacted:** | |

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**26** | ***1 of 1*** | ***NE/207.3*** | ***63.9 / 0.15*** | ***71 Herridge Street. Ottawa ON*** | ***PINC***

| | | | |
|---|---|---|---|
| **Incident Id:** | 2713472 | **Pipe Material:** | Plastic |
| **Incident No:** | 556966 | **Fuel Category:** | Natural Gas |
| **Incident Reported Dt:** | | **Health Impact:** | No |
| **Type:** | FS-Pipeline Incident | **Environment Impact:** | No |
| **Status Code:** | Pipeline Damage Reason Est | **Property Damage:** | Yes |
| **Tank Status:** | RC Established | **Service Interrupt:** | Yes |
| **Task No:** | 3283703 | **Enforce Policy:** | Yes |
| **Spills Action Centre:** | | **Public Relation:** | No |
| **Fuel Type:** | Natural Gas | **Pipeline System:** | |
| **Fuel Occurrence Tp:** | Pipeline Strike | **PSIG:** | 40 |
| **Date of Occurrence:** | 3/22/2011 0:00 | **Attribute Category:** | FS-Perform P-line Inc Invest |
| **Occurrence Start Dt:** | 2011/08/19 | **Regulator Location:** | Outside |
| **Depth:** | 28 | **Method Details:** | E-mail |
| **Customer Acct Name:** | | | |
| **Incident Address:** | | | |

| | |
|---|---|
| **Operation Type:** | Construction Site (pipeline strike) |
| **Pipeline Type:** | Service / Riser Distribution Pipeline |
| **Regulator Type:** | Service Regulator (up to 60 psi intake) |
| **Summary:** | 71 Herridge Street. Ottawa - 1/2" Pipeline Hit |
| **Reported By:** | Armstrong, Alan - Enbridge |
| **Affiliation:** | Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) |
| **Occurrence Desc:** | sewer work - hit gas service |
| **Damage Reason:** | Abandoned facility |
| **Notes:** | no hand excavation |

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**27** | ***1 of 1*** | ***WSW/216.5*** | ***62.7 / -1.03*** | ***364 queen Elizabeth driveway, Ottawa OTTAWA ON*** | ***SPL***

| | | | |
|---|---|---|---|
| **Ref No:** | 1-14AHHH | **Municipality No:** | |
| **Year:** | | **Nature of Damage:** | |
| **Incident Dt:** | | **Discharger Report:** | |

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

**Dt MOE Arvl on Scn:**
**MOE Reported Dt:** 8/25/2021 6:30:29 PM
**Dt Document Closed:** 11/29/2021 10:11:47 AM
**Site No:**
**MOE Response:** Desktop Response
**Site County/District:**
**Site Geo Ref Meth:**
**Site District Office:** Ottawa District Office
**Nearest Watercourse:**
**Site Name:**
**Site Address:** 364 queen Elizabeth driveway, Ottawa
**Site Region:**
**Site Municipality:** OTTAWA
**Site Lot:**
**Site Conc:**
**Site Geo Ref Accu:**
**Site Map Datum:**
**Northing:**
**Easting:**
**Entity Operating Name:**
**Client Name:**
**Client Type:**
**Source Type:** Valve/Fitting/Piping
**Incident Cause:**
**Incident Preceding Spill:** Leak/Break
**Incident Reason:** Unknown
**Incident Summary:** Ottawa 311: Hydraulic oil to cb, 1L
**Environment Impact:** 1 Minor Impact
**Health Env Consequence:**
**Nature of Impact:**
**Contaminant Qty:** 1 litre (L)
**Contaminant Qty 1:**
**Contaminant Unit:**
**Contaminant Code:**
**Contaminant Name:** HYDRAULIC OIL
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:**
**Receiving Medium:** Land
**Activity Preceding Spill:** Normal operations
**Property 2nd Watershed:** Lower Ottawa
**Property Tertiary Watershed:** 02LA-Rideau
**Sector Type:**
**SAC Action Class:**
**Call Report Locatn Geodata:** {"integration_ids":["PR00004328857"],"wkts":["POINT (-75.6823661000 45.4043535000)"],"creation_date":"2021-08-25"}
**Time Reported:**
**System Facility Address:**
**Source Sector Type:**
**Conservtn Auth Name:**
**Primary Watershed:**
**Quaternary Watershed:**
**Offsite Impacts:**
**Waterbody Impacted:**

---

| | | | | | |
|---|---|---|---|---|---|
| 28 | 1 of 1 | SW/219.9 | 60.8 / -2.99 | **PIPELINE HIT - 1 ¼"**<br>**370 QUEEN ELIZABETH DRWY,,OTTAWA,ON, K1S 3N1,CA**<br>**ON** | PINC |

**Incident Id:**
**Incident No:** 2258514
**Incident Reported Dt:** 3/12/2018
**Type:** FS-Pipeline Incident
**Pipe Material:**
**Fuel Category:**
**Health Impact:**
**Environment Impact:**

| | | | |
|---|---|---|---|
| **Status Code:** | | **Property Damage:** | |
| **Tank Status:** | Pipeline Damage Reason Est | **Service Interrupt:** | |
| **Task No:** | | **Enforce Policy:** | |
| **Spills Action Centre:** | | **Public Relation:** | |
| **Fuel Type:** | | **Pipeline System:** | |
| **Fuel Occurrence Tp:** | | **PSIG:** | |
| **Date of Occurrence:** | | **Attribute Category:** | |
| **Occurrence Start Dt:** | | **Regulator Location:** | |
| **Depth:** | | **Method Details:** | |

**Customer Acct Name:** PIPELINE HIT - 1 ¼"
**Incident Address:** 370 QUEEN ELIZABETH DRWY,,OTTAWA,ON,K1S 3N1,CA
**Operation Type:**
**Pipeline Type:**
**Regulator Type:**
**Summary:**
**Reported By:**
**Affiliation:**
**Occurrence Desc:**
**Damage Reason:**
**Notes:**

---

**29** | **1 of 1** | **WNW/228.8** | **61.7 / -2.06** | **Unit 2D - 300 Queen Elizabeth Dr Ottawa ON NA** | **SPL**

| | | | |
|---|---|---|---|
| **Ref No:** | 1631-BD9JKH | **Municipality No:** | |
| **Year:** | | **Nature of Damage:** | |
| **Incident Dt:** | 6/18/2019 | **Discharger Report:** | |
| **Dt MOE Arvl on Scn:** | | **Material Group:** | |
| **MOE Reported Dt:** | 6/18/2019 | **Impact to Health:** | |
| **Dt Document Closed:** | | **Agency Involved:** | |

**Site No:** 9740-6ZKR3A
**MOE Response:**
**Site County/District:** NA
**Site Geo Ref Meth:** NA
**Site District Office:** Ottawa
**Nearest Watercourse:**
**Site Name:** 300 Queen Elizabeth Drive
**Site Address:** Unit 2D - 300 Queen Elizabeth Dr
**Site Region:** Eastern
**Site Municipality:** Ottawa
**Site Lot:**
**Site Conc:** NA
**Site Geo Ref Accu:** NA
**Site Map Datum:** NA
**Northing:** 5028518
**Easting:** 446625
**Entity Operating Name:**
**Client Name:**
**Client Type:**
**Source Type:**
**Incident Cause:**
**Incident Preceding Spill:**
**Incident Reason:**
**Incident Summary:** Nuisance - Clouds of dust from concrete cutting
**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:***
***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:***
***Waterbody Impacted:***

---

**30** | ***1 of 1*** | ***E/232.8*** | ***62.9 / -0.90*** | ***near 87 Clegg Ottawa ON*** | ***SPL***

***Ref No:*** 1110-9H4QHA
***Year:***
***Incident Dt:*** 2014/03/11
***Dt MOE Arvl on Scn:***
***MOE Reported Dt:*** 2014/03/11
***Dt Document Closed:*** 2014/10/15
***Site No:*** NA
***MOE Response:*** No Field Response
***Site County/District:***
***Site Geo Ref Meth:***
***Site District Office:***
***Nearest Watercourse:***
***Site Name:*** Roadway<UNOFFICIAL>
***Site Address:*** near 87 Clegg
***Site Region:***
***Site Municipality:*** Ottawa
***Site Lot:***
***Site Conc:***
***Site Geo Ref Accu:***
***Site Map Datum:***
***Northing:***
***Easting:***
***Entity Operating Name:***
***Client Name:***
***Client Type:***
***Source Type:***
***Incident Cause:*** Unknown / N/A
***Incident Preceding Spill:***
***Incident Reason:*** Unknown / N/A
***Incident Summary:*** Oil on road, source unknown, cleaning
***Environment Impact:*** Not Anticipated
***Health Env Consequence:***
***Nature of Impact:*** Surface Water Pollution
***Contaminant Qty:*** 0 other - see incident description
***Contaminant Qty 1:*** 0
***Contaminant Unit:*** other - see incident description
***Contaminant Code:*** 15
***Contaminant Name:*** OIL (PETROLEUM BASED, NOT SPECIFIED)
***Contaminant Limit 1:***
***Contam Limit Freq 1:***
***Contaminant UN No 1:***
***Receiving Medium:***
***Activity Preceding Spill:***
***Property 2nd Watershed:***
***Municipality No:***
***Nature of Damage:***
***Discharger Report:***
***Material Group:***
***Impact to Health:***
***Agency Involved:***

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

***Property Tertiary Watershed:***
***Sector Type:*** Unknown / N/A
***SAC Action Class:*** Watercourse Spills
***Call Report Locatn Geodata:***
***Time Reported:***
***System Facility Address:***
***Source Sector Type:***
***Conservtn Auth Name:***
***Primary Watershed:***
***Quaternary Watershed:***
***Offsite Impacts:***
***Waterbody Impacted:***

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 31 | 1 of 1 | WNW/247.9 | 61.7 / -2.06 | GBI Pool Services Inc.<br>300 Queen Elizabeth Dr<br>Ottawa ON K1S 3M6 | GEN |

***Generator Info***

***Generator No:*** ON9043194
***Approval Years:*** As of Oct 2019
***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:*** 146 T
***Waste Class Name:*** Other specified inorganic sludges, slurries or solids

***2019 Generator Info***

***Gen No:*** ON9043194
***ID:*** 36537
***Contaminated Fac:*** N
***MHSW Facility:*** N
***NAICS Code1:*** 561799
***NAICS Code2:***
***NAICS Code3:***
***Gen Name:*** GBI Pool Services Inc.
***Gen Div:***
***Gen Op Name:*** GBI Pool Services Inc.
***Gen Op Div:***
***Site Adrs1:*** 300 Queen Elizabeth Dr
***Site Bldg:***
***Site Pobox:***
***Province In:*** ONTARIO
***Site Adrs2:***
***Site City:*** Ottawa
***Province Out:***
***Site Postal Code:*** K1S 3M6
***Site Country:*** Canada
***Co Official:*** Garrett Incze
***Co Admin:***
***Choice of Contact:*** CO_OFFICIAL
***Phone No Official:*** 613-797-7665 Ext.
***Phone No Admin:***
***County Ont:*** OTTAWA CARLTON (RM)
***County Out:***
***District:*** 402

***2019 Generator Manifest***

| | | | |
|---|---|---|---|
| **ID:** | 64034 | **Sum Received Qty:** | 3730.0 |
| **Generator No:** | ON9043194 | **Waste Class Name:** | OTHER SPECIFIED INORGANICS |
| **Receiver Type:** | 040 | **Count Manifests:** | 2 |
| **Waste Char:** | T | **District:** | 805 |
| **Waste Code:** | 146 | | |

# Unplottable Summary

**Total: 10 Unplottable sites**

| DB | Company Name/Site Name | Address | City | Postal |
|---|---|---|---|---|
| LIMO | | Lot I BROKEN FRONT C NEPEAN Ottawa | ON | |
| LIMO | | Lot I BROKEN FRONT B NEPEAN Ottawa | ON | |
| NDFT | | COLONEL DR BY OTTAWA | ON | |
| NDFT | | MAIN STREET | ON | |
| NPCB | CARLETON UNIVERSITY | BUILDING SERVICES; COLONEL BY DRIVE | OTTAWA ON | K1S 5B6 |
| PRT | CARLETON UNIVERSITY | COLONEL BY DR | OTTAWA ON | |
| SPL | | Colonel By Drive | Ottawa ON | |
| SPL | | Colonel By Street and Rideau Canal | Ottawa ON | |
| SPL | | Colonel By Dr | Ottawa ON | |
| SPL | Enbridge Gas Distribution Inc. | Main St | Ottawa ON | |

# Unplottable Report

***Site:***
***Lot I BROKEN FRONT C NEPEAN Ottawa ON***

***Database:***
***LIMO***

| | | | |
|---|---|---|---|
| ***ECA/Instrument No:*** | X1100 | ***Natural Attenuation:*** | |
| ***Operation Status:*** | Historic | ***Liners:*** | |
| ***C of A Issue Date:*** | | ***Cover Material:*** | |
| ***C of A Issued to:*** | | ***Leachate Off-Site:*** | |
| ***Lndfl Gas Mgmt (P):*** | | ***Leachate On Site:*** | |
| ***Lndfl Gas Mgmt (F):*** | | ***Req Coll Lndfll Gas:*** | |
| ***Lndfl Gas Mgmt (E):*** | | ***Lndfll Gas Coll:*** | |
| ***Lndfl Gas Mgmt Sys:*** | | ***Total Waste Rec:*** | |
| ***Landfill Gas Mntr:*** | | ***TWR Methodology:*** | |
| ***Leachate Coll Sys:*** | | ***TWR Unit:*** | |
| ***ERC Est Vol (m3):*** | | ***Tot Aprv Cap Unit:*** | |
| ***ERC Volume Unit:*** | | ***Financial Assurance:*** | |
| ***ERC Dt Last Det:*** | | ***Last Report Year:*** | |
| ***Landfill Type:*** | | ***Region:*** | |
| ***Source File Type:*** | Historic and Closed Landfills | ***District Office:*** | |
| ***Fill Rate:*** | | ***Site County:*** | |
| ***Fill Rate Unit:*** | | ***Lot:*** | |
| ***Tot Fill Area (ha):*** | | ***Concession:*** | |
| ***Tot Site Area (ha):*** | | ***Latitude:*** | |
| ***Footprint:*** | | ***Longitude:*** | |
| ***Tot Apprv Cap (m3):*** | | ***Easting:*** | |
| ***Contam Atten Zone:*** | | ***Northing:*** | |
| ***Grndwtr Mntr:*** | | ***UTM Zone:*** | |
| ***Surf Wtr Mntr:*** | | ***Data Source:*** | |
| ***Air Emis Monitor:*** | | | |
| ***Approved Waste Type:*** | | | |
| ***Client Site Name:*** | | | |
| ***ERC Methodology:*** | | | |
| ***Site Name:*** | | | |
| ***Site Location Details:*** | Lot I BROKEN FRONT C NEPEAN<br>Ottawa | | |
| ***Service Area:*** | | | |
| ***Page URL:*** | | | |

***Site:***
***Lot I BROKEN FRONT B NEPEAN Ottawa ON***

***Database:***
***LIMO***

| | | | |
|---|---|---|---|
| ***ECA/Instrument No:*** | X1101 | ***Natural Attenuation:*** | |
| ***Operation Status:*** | Historic | ***Liners:*** | |
| ***C of A Issue Date:*** | | ***Cover Material:*** | |
| ***C of A Issued to:*** | | ***Leachate Off-Site:*** | |
| ***Lndfl Gas Mgmt (P):*** | | ***Leachate On Site:*** | |
| ***Lndfl Gas Mgmt (F):*** | | ***Req Coll Lndfll Gas:*** | |
| ***Lndfl Gas Mgmt (E):*** | | ***Lndfll Gas Coll:*** | |
| ***Lndfl Gas Mgmt Sys:*** | | ***Total Waste Rec:*** | |
| ***Landfill Gas Mntr:*** | | ***TWR Methodology:*** | |
| ***Leachate Coll Sys:*** | | ***TWR Unit:*** | |
| ***ERC Est Vol (m3):*** | | ***Tot Aprv Cap Unit:*** | |
| ***ERC Volume Unit:*** | | ***Financial Assurance:*** | |
| ***ERC Dt Last Det:*** | | ***Last Report Year:*** | |
| ***Landfill Type:*** | | ***Region:*** | |
| ***Source File Type:*** | Historic and Closed Landfills | ***District Office:*** | |
| ***Fill Rate:*** | | ***Site County:*** | |
| ***Fill Rate Unit:*** | | ***Lot:*** | |

***Tot Fill Area (ha):*** ***Concession:***
***Tot Site Area (ha):*** ***Latitude:***
***Footprint:*** ***Longitude:***
***Tot Apprv Cap (m3):*** ***Easting:***
***Contam Atten Zone:*** ***Northing:***
***Grndwtr Mntr:*** ***UTM Zone:***
***Surf Wtr Mntr:*** ***Data Source:***
***Air Emis Monitor:***
***Approved Waste Type:***
***Client Site Name:***
***ERC Methodology:***
***Site Name:***
***Site Location Details:*** Lot I BROKEN FRONT B NEPEAN

Ottawa
***Service Area:***
***Page URL:***

---

***Site:*** ***Database:***
***COLONEL DR BY OTTAWA ON*** ***NDFT***

***Property Id:*** K13545
***Base Name:*** DG REALTY POLICY AND PLANS
***Status:*** Tank currently active
***Status As Of:*** May 25, 2001
***Tank Class:*** Bulk Storage
***Install Year:*** 1999
***Tank Type:*** Aboveground Shop-fabricated
***Last Year Used:*** 1999
***Tank Contents:*** Diesel
***Capacity (L):*** 11142

---

***Site:*** ***Database:***
***MAIN STREET ON*** ***NDFT***

***Property Id:*** K6208
***Base Name:*** CFB OTTAWA
***Status:*** Tank no longer in service and removed
***Status As Of:*** May 25, 2001
***Tank Class:*** Bulk Storage (i.e. >45 000 litres)
***Install Year:*** 1960
***Tank Type:*** Aboveground Field-erected
***Last Year Used:*** 1999
***Tank Contents:*** Diesel
***Capacity (L):*** 30

---

***Site:*** ***CARLETON UNIVERSITY*** ***Database:***
***BUILDING SERVICES; COLONEL BY DRIVE OTTAWA ON K1S 5B6*** ***NPCB***

***Company Code:*** O0180
***Industry:*** School/Care/Facility
***Site Status:***
***Transaction Date:*** 9/3/1993
***Inspection Date:*** 10/8/1993

---

***Site:*** ***CARLETON UNIVERSITY*** ***Database:***
***COLONEL BY DR OTTAWA ON*** ***PRT***

***Location ID:*** 10917
***Type:*** private
***Expiry Date:***
***Capacity (L):*** 31822.00
***Licence #:*** 0001004191

***Site:***

***Colonel By Drive  Ottawa ON***

***Database:*** ***SPL***

| | | | |
|---|---|---|---|
| ***Ref No:*** | 4024-A2TQK9 | ***Municipality No:*** | |
| ***Year:*** | | ***Nature of Damage:*** | |
| ***Incident Dt:*** | 9/29/2015 | ***Discharger Report:*** | |
| ***Dt MOE Arvl on Scn:*** | | ***Material Group:*** | |
| ***MOE Reported Dt:*** | 9/29/2015 | ***Impact to Health:*** | |
| ***Dt Document Closed:*** | 11/23/2015 | ***Agency Involved:*** | |
| ***Site No:*** | NA | | |
| ***MOE Response:*** | No | | |
| ***Site County/District:*** | | | |
| ***Site Geo Ref Meth:*** | | | |
| ***Site District Office:*** | | | |
| ***Nearest Watercourse:*** | Rideau Canal | | |
| ***Site Name:*** | On Colonel By Drive, North of Bank St. Bridge (In vicinity of Rideau Canal)<UNOFFICIAL> | | |
| ***Site Address:*** | Colonel By Drive | | |
| ***Site Region:*** | | | |
| ***Site Municipality:*** | Ottawa | | |
| ***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:*** | Unknown / N/A | | |
| ***Incident Summary:*** | MVA: gasoline to ground/water, Rideau Canal | | |
| ***Environment Impact:*** | | | |
| ***Health Env Consequence:*** | | | |
| ***Nature of Impact:*** | | | |
| ***Contaminant Qty:*** | 1 L | | |
| ***Contaminant Qty 1:*** | 1 | | |
| ***Contaminant Unit:*** | L | | |
| ***Contaminant Code:*** | 12 | | |
| ***Contaminant Name:*** | GASOLINE | | |
| ***Contaminant Limit 1:*** | | | |
| ***Contam Limit Freq 1:*** | | | |
| ***Contaminant UN No 1:*** | | | |
| ***Receiving Medium:*** | | | |
| ***Activity Preceding Spill:*** | | | |
| ***Property 2nd Watershed:*** | | | |
| ***Property Tertiary Watershed:*** | | | |
| ***Sector Type:*** | Miscellaneous Industrial | | |
| ***SAC Action Class:*** | Highway Spills (usually highway accidents) | | |
| ***Call Report Locatn Geodata:*** | | | |
| ***Time Reported:*** | | | |
| ***System Facility Address:*** | | | |
| ***Source Sector Type:*** | | | |
| ***Conservtn Auth Name:*** | | | |
| ***Primary Watershed:*** | | | |
| ***Quaternary Watershed:*** | | | |
| ***Offsite Impacts:*** | | | |
| ***Waterbody Impacted:*** | | | |

***Site:***

***Colonel By Street and Rideau Canal  Ottawa ON***

***Database:*** ***SPL***

| | | | |
|---|---|---|---|
| ***Ref No:*** | 2247-765LKU | ***Municipality No:*** | |
| ***Year:*** | | ***Nature of Damage:*** | |

***Incident Dt:***
***Dt MOE Arvl on Scn:***
***MOE Reported Dt:*** 8/16/2007
***Dt Document Closed:*** 9/12/2007
***Site No:***
***MOE Response:*** Referral to others
***Site County/District:***
***Site Geo Ref Meth:***
***Site District Office:***
***Nearest Watercourse:***
***Site Name:*** Rideau Canal<UNOFFICIAL>
***Site Address:***
***Site Region:***
***Site Municipality:*** Ottawa
***Site Lot:***
***Site Conc:***
***Site Geo Ref Accu:***
***Site Map Datum:***
***Northing:***
***Easting:***
***Entity Operating Name:***
***Client Name:***
***Client Type:***
***Source Type:***
***Incident Cause:*** Other Discharges
***Incident Preceding Spill:***
***Incident Reason:*** Unknown - Reason not determined
***Incident Summary:*** Symphonie Boat taking in water- Rideau Canal
***Environment Impact:*** Confirmed
***Health Env Consequence:***
***Nature of Impact:*** Surface Water Pollution
***Contaminant Qty:*** 100 L
***Contaminant Qty 1:*** 100
***Contaminant Unit:*** L
***Contaminant Code:*** 15
***Contaminant Name:*** OIL (PETROLEUM BASED, NOT SPECIFIED)
***Contaminant Limit 1:***
***Contam Limit Freq 1:***
***Contaminant UN No 1:***
***Receiving Medium:*** Water
***Activity Preceding Spill:***
***Property 2nd Watershed:***
***Property Tertiary Watershed:***
***Sector Type:*** Other Watercraft
***SAC Action Class:***
***Call Report Locatn Geodata:***
***Time Reported:***
***System Facility Address:***
***Source Sector Type:***
***Conservtn Auth Name:***
***Primary Watershed:***
***Quaternary Watershed:***
***Offsite Impacts:***
***Waterbody Impacted:***

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***Site:***
***Colonel By Dr Ottawa ON***

***Database:*** ***SPL***

***Ref No:*** 0872-7U9JD8
***Year:***
***Incident Dt:***
***Dt MOE Arvl on Scn:***
***MOE Reported Dt:*** 7/24/2009
***Dt Document Closed:***
***Site No:***
***MOE Response:*** No Field Response
***Site County/District:***
***Municipality No:***
***Nature of Damage:***
***Discharger Report:***
***Material Group:***
***Impact to Health:***
***Agency Involved:***

***Site Geo Ref Meth:***
***Site District Office:***
***Nearest Watercourse:***
***Site Name:*** Colonel By Drive
***Site Address:***
***Site Region:***
***Site Municipality:*** Ottawa
***Site Lot:***
***Site Conc:***
***Site Geo Ref Accu:***
***Site Map Datum:***
***Northing:*** NA
***Easting:*** NA
***Entity Operating Name:***
***Client Name:***
***Client Type:***
***Source Type:***
***Incident Cause:*** Other Transport Accident
***Incident Preceding Spill:***
***Incident Reason:*** Unknown - Reason not determined
***Incident Summary:*** MVA: op. fluids to Rideau Canal.
***Environment Impact:*** Confirmed
***Health Env Consequence:***
***Nature of Impact:*** Surface Water Pollution
***Contaminant Qty:*** 0 other - see incident description
***Contaminant Qty 1:*** 0
***Contaminant Unit:*** other - see incident description
***Contaminant Code:***
***Contaminant Name:*** Operating Fluids
***Contaminant Limit 1:***
***Contam Limit Freq 1:***
***Contaminant UN No 1:***
***Receiving Medium:***
***Activity Preceding Spill:***
***Property 2nd Watershed:***
***Property Tertiary Watershed:***
***Sector Type:*** Motor Vehicle
***SAC Action Class:*** Watercourse Spills
***Call Report Locatn Geodata:***
***Time Reported:***
***System Facility Address:***
***Source Sector Type:***
***Conservtn Auth Name:***
***Primary Watershed:***
***Quaternary Watershed:***
***Offsite Impacts:***
***Waterbody Impacted:***

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***Site:*** ***Enbridge Gas Distribution Inc.***
***Main St Ottawa ON***

***Database:*** ***SPL***

***Ref No:*** 2717-A3VHU6
***Year:***
***Incident Dt:*** 10/30/2015
***Dt MOE Arvl on Scn:***
***MOE Reported Dt:*** 11/2/2015
***Dt Document Closed:***
***Site No:*** NA
***MOE Response:*** No
***Site County/District:***
***Site Geo Ref Meth:***
***Site District Office:***
***Nearest Watercourse:***
***Site Name:*** 83 Main Street<UNOFFICIAL>
***Site Address:*** Main St
***Site Region:***
***Site Municipality:*** Ottawa

***Municipality No:***
***Nature of Damage:***
***Discharger Report:***
***Material Group:***
***Impact to Health:***
***Agency Involved:***

***Site Lot:***
***Site Conc:***
***Site Geo Ref Accu:***
***Site Map Datum:***
***Northing:***
***Easting:***
***Entity Operating Name:***
***Client Name:*** Enbridge Gas Distribution Inc.
***Client Type:***
***Source Type:***
***Incident Cause:***
***Incident Preceding Spill:***
***Incident Reason:*** Operator/Human Error
***Incident Summary:*** TSSA FSB: 1 in IP pl service dmgd, made safe
***Environment Impact:***
***Health Env Consequence:***
***Nature of Impact:***
***Contaminant Qty:*** 1 other - see incident description
***Contaminant Qty 1:*** 1
***Contaminant Unit:*** other - see incident description
***Contaminant Code:*** 35
***Contaminant Name:*** NATURAL GAS (METHANE)
***Contaminant Limit 1:***
***Contam Limit Freq 1:***
***Contaminant UN No 1:***
***Receiving Medium:***
***Activity Preceding Spill:***
***Property 2nd Watershed:***
***Property Tertiary Watershed:***
***Sector Type:*** Miscellaneous Industrial
***SAC Action Class:*** TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
***Call Report Locatn Geodata:***
***Time Reported:***
***System Facility Address:***
***Source Sector Type:***
***Conservtn Auth Name:***
***Primary Watershed:***
***Quaternary Watershed:***
***Offsite Impacts:***
***Waterbody Impacted:***

# 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 - Dec 31, 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 - Dec 31, 2025***

***Environmental Registry:*** Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

***Government Publication Date: 1994 - Dec 31, 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 - Dec 31, 2025***

***Environmental Effects Monitoring:*** Federal EEM

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

***Government Publication Date: 1992-2007****

***ERIS Historical Searches:*** Private EHS

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

***Government Publication Date: 1999-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 (RPRA). 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 RPRA 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***

***Historical Business Activity Risk:*** Federal HBAR

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***

***TSSA Historic Incidents:*** Provincial HINC

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

***Government Publication Date: 2006-June 2009****

***Indian & Northern Affairs Fuel Tanks:*** Federal IAFT

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

***Government Publication Date: 1950-Aug 2003****

***Fuel Oil Spills and Leaks:*** Provincial INC

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

***Government Publication Date: 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, 2024***

***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-Dec 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 - Dec 31, 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 - Dec 31, 2025***

***Ontario PFAS Spills:*** Provincial PFAS

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

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

***NPRI Reporters - PFAS Substances:*** Federal PFCH

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

***Government Publication Date: Feb 2024***

***Potential PFAS Handlers from NPRI:*** Federal PFHA

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

***Government Publication Date: Feb 2024***

***Pipeline Incidents:*** Provincial PINC

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

***Government Publication Date: Feb 28, 2021***

***Potential PFAS Handlers from EASR:*** Provincial PPHA

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

***Government Publication Date: Jun 30, 2024***

***Private and Retail Fuel Storage Tanks:*** Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

***Government Publication Date: 1989-1996****

***Permit to Take Water:*** Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

***Government Publication Date: 1994 - Dec 31, 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 Jan, 2026***

***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-Dec 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 - Dec 31, 2025***

***Waste Disposal Sites - MOE 1991 Historical Approval Inventory:*** Provincial WDSH

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

***Government Publication Date: Up to Oct 1990****

***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.