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Phase I Environmental Site Assessment

Vacant Property
Trim Road Right-of-Way Adjacent to
900 and 920 Watters Road
Ottawa, Ontario

Prepared For

Trim Road Land Holdings Limited

September 1, 2017

Report: PE3336-2

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Trim Road Land Holdings Limited to conduct a Phase I Environmental Site Assessment (ESA) of the former Trim Road right-of-way located adjacent to 900 and 920 Watters Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

According to the historical research, the subject site was developed with Trim Road prior to 1955, and was likely used for agricultural purposes prior to the construction of the roadway. The roadway was realigned between 2011 and 2014 with the pavement structure being removed. The fill beneath the asphalt layer was not removed.

The adjacent property to the west at 900 Watters Road was developed with a commercial plaza in 2005. The adjacent property at 920 Watters Road was never developed. A dry cleaner was identified within a unit at 900 Watters Road. The dry cleaner operated as a drop-off location only and, as such, was not considered to have had the potential to have impacted the subject property.

A Fill Quality Assessment was carried out for the subject property in August 2017. No contaminants in excess of the MOECC Table 3 standards were identified. No significant environmental concerns were identified with the historical use of the subject site or any other properties in the Phase I study area.

Following the historical research, a site inspection was conducted of the subject site and Phase I ESA study area. The subject site is currently vacant and neighbouring properties were residential or commercial. No environmental concerns were identified on the subject site or the Phase I study area at the time of the site visit.

Conclusion

Based on the results of the results of this Phase I ESA and the previous Fill Quality Assessment, in **our opinion, a Phase II Environmental Site Assessment is not required for the property.**

1.0 INTRODUCTION

At the request of Trim Road Land Holdings Limited, Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) of the property located in the former Trim Road right-of-way adjacent to 900 and 920 Watters Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I ESA by Mr. Jeff Parkes, of Trim Road Land Holdings Limited, whose office is located at 225 Metcalfe Street, Suite 708, Ottawa, Ontario. Mr. Parkes can be reached by telephone at (613) 234-7000.

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

This Phase I-ESA report has been prepared in general accordance with Ontario Regulation 153/04 as amended by O.Reg. 269/11 (Environmental Protection Act), and also complies with the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address:	Right-of-Way adjacent to 900 and 920 Watters Road, City of Ottawa, Ontario
Legal Description:	Blocks 78, 94, 95, Lot C, Concession 9 (New Survey), City of Ottawa.
Property Identification Number:	14526-1796, 14526-0208, 14526-0095, 14531-0147, 14531-0148.
Location:	The subject site is located on the southwest corner of the Watters Road and Trim Road intersection, in the City of Ottawa, Ontario. The subject site is shown on Figure 1 - Key Plan following the body of this report.
Latitude and Longitude:	45° 28' 60" N, 75° 28' 25" W.
Site Description:	
Configuration:	Irregular.
Site Area:	0.93 hectares (approximate).
Zoning:	R3 – Residential Third Density Zone (Parcels 1, 2, half of 3); GM – General Mixed Zone (west half of Parcel 3, and Parcel 4).
Current Use:	Vacant.
Services:	The subject site is located in a municipally serviced area. A trunk sanitary, trunk storm and storm sewer are present beneath the eastern portion of the site.

3.0 SCOPE OF INVESTIGATION

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

- Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases and regulatory agencies;
- Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the subject property, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of Ontario Regulation 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

A radius of approximately 250 m was determined to be appropriate as a Phase I ESA study area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

First Developed Use Determination

According to the aerial photographs and documents reviewed, the subject land was developed with a roadway (Trim Road) before 1955, which was realigned between 2011 and 2014, leaving the subject land vacant.

Fire Insurance Plans

Fire Insurance Plans (FIPs) are not available for the subject site.

City of Ottawa Street Directories

City directories at the National Archives were reviewed in approximate 10 year intervals from 1982 to 2010 as part of the Phase I ESA. City directories do not cover the subject property, and do not cover the Phase I study area prior to 1992. Hill Cleaners, located within the commercial plaza at 900 Watters Road was listed in the 2011 directory. The commercial plaza was built circa 2005. This location operates as a drop-off location for dry cleaning and is therefore not considered to be a Potentially Contaminating Activity (PCA) or an Area of Potential Environmental Concern (APEC) for the subject site.

Previous Engineering Reports

A Phase II ESA was conducted for the adjacent property at 920 Watters Road. Fill and native soil samples were submitted for various laboratory analyses, including PHC (F1-F4), BTEX, PAHs, lead, hexane, metals and pH. Groundwater samples were submitted for PHC (F1-F4), BTEX, selected VOCs, PCBs and lead analysis. The analyses determined that the native soil and groundwater were in compliance with the selected MOECC Table 3 standards. Two of the boreholes / monitoring wells were situated along the western edge of the subject property.

Paterson has conducted a number of other environmental site assessments in the vicinity of the subject site and these were reviewed as part of this assessment. The reports did not identify any areas of potential environmental concern for the subject site.

- “Fill Quality Assessment – Proposed Commercial Development - Trim Road Right-of-Way, Trim Road at Watters Road, Ottawa, Ontario” Prepared by Paterson Group Inc., dated August 31, 2017.

Seven (7) test pits (TP) were placed in the former roadway to assess the quality of the fill that would be encountered during construction. In general, the upper layer consists of silt and clay fill material mixed with occasional asphalt and organic matter. Four (4) samples of the fill were tested for PHCs and three (3) samples were tested for metals. All of the test results were in compliance with the MOECC Table 3 standards selected for the site. No further testing of the fill was considered to be necessary.

Site Sketch

A site sketch, prepared by Stantec Geomatics Limited, was reviewed as part of this assessment. The sketch shows the subject site in its current configuration.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on July 21, 2017. The subject site and adjacent properties were not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

PCB Inventory

A search of national PCB waste storage sites was conducted. No PCB waste storage sites are located within the Phase I study area.

MOE Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No coal gasification plants were identified within the Phase I study area.

ERIS Report

A request was submitted to the Environmental Risk Information Services (ERIS) office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections for the site or adjacent properties. The ERIS database report included records of several waste generators adjacent to the subject site at 900 Watters Road. These pathological generators included Crown Pointe Animal Hospital and Eufhoria Family Health, neither of which is considered to pose a concern to the subject site. Imperial Oil was identified as a waste generator at 920 Watters Road; however, it was determined in a previous investigation by Paterson that Imperial Oil never used the site for any purpose. It is suspected that the waste generation is related to the subsurface investigation carried out by Imperial Oil. No sites identified in the ERIS report are considered to pose a concern to the subject site.

MOECC Brownfields Environmental Site Registry

A search of the MOECC Brownfields Environmental Site Registry was conducted for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the subject property or the Phase I study area.

MOECC Waste Disposal Site Inventory

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. No active or closed waste disposal sites or any of the other listed sites were identified in the vicinity of the subject site.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I study area was conducted on the web site of the Ontario Ministry of Natural Resources (MNR) on July 21, 2017. The MNR mapping indicated that there were no recorded natural features or areas of natural significance within the Phase I study area.

City of Ottawa Landfill Document

The document entitled “Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa”, was reviewed. No landfill sites were identified within the Phase I study area.

City of Ottawa Historical Land Use Inventory (HLUI)

A requisition form was sent to the City of Ottawa on July 28, 2017 to request information from the City’s Historical Land Use Inventory (HLUI) database for the subject property. The response from the City indicated that the subject site is within 500 m of a former landfill, at 1085 Watters Road. However, this site is not located within the Phase I study area. The former landfill does not pose a concern to the subject site. No other potential concerns were identified on the subject site or in the Phase I study area.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals. The review period dates back to the first available air photos for the site. Based on the review, the following observations have been made:

- | | |
|------|--|
| 1955 | The subject site is developed with the Trim Road roadway. Watters Road or a driveway is present to the north, and farmsteads are present to the east, west and further south. Otherwise, adjacent lands are agricultural fields. |
| 1978 | No significant changes have been made to the subject site or surrounding properties. |
| 1985 | No significant changes have been made to the subject site. A residential subdivision is being developed further to the west. |
| 1993 | Residential dwellings have been developed to the north and west of the subject site while a commercial property has been developed to the north, opposite Watters Road. Soil disturbance is visible on the property adjacent to the west. This is suspected to be part of the development of the nearby residential subdivision. |

- 2002 (City of Ottawa website) Additional residential dwellings have been developed to the south and west of the subject site. Soil disturbance is visible on the adjacent lands to the east, opposite Trim Road, suspected to be associated with the construction of a residential subdivision further to the southeast.
- 2011 (City of Ottawa website) A commercial plaza and associated parking areas have been developed on the property addressed 900 Watters Road, adjacent to the west. Additional residential properties have been developed to the north and south along Trim Road.
- 2014 (City of Ottawa website) Trim Road has been realigned to the east of the subject property, and the subject site is vacant, with some construction material, presumably resulting from the realignment construction works.

Laser copies of selected aerial photographs reviewed are included in Appendix 1.

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the regional topography in the general area of the site slopes downward towards the Ottawa River located to the north. According to the maps, the nearest water bodies are Taylors Creek and Cardinal Creek that are located approximately 1,060 m west and 300 m east of the subject site, respectively. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” The subject site is located in the Central St. Lawrence Lowland, which is generally less than 150 m above sea level.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area of the site consists of limestone of the Bobcaygeon Formation. Overburden soils are shown as marine deposits, clay and silt, with a drift thickness on the order of 15 to 25 m (and 25 to 50 m along the eastern edge).

Water Well Records

A search of the MOECCs online water well records database was completed on July 21, 2017, for all drilled wells within 250 m of the subject site. A total of fourteen (14) well records matching the search criteria were retrieved from the database. Twelve (12) of the records are for private water wells drilled in the area between 1954 and 1984 for domestic use. Two (2) records are for monitoring wells completed in 2013. Copies of the water well records are provided in Appendix 2. The monitoring wells installed in 2013 had been decommissioned at the time of this assessment.

Water Bodies and Areas of Natural Significance

Taylor's Creek and Cardinal Creek, located approximately 1,060 m west and 300 m east of the subject site, respectively, are the closest water bodies. No areas of natural significance are known to exist within the Phase I study area.

5.0 INTERVIEWS

Mr. Parkes was not aware of any environmental concerns with respect to the subject site.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site assessment was conducted on July 25, 2017 between 4:00 PM and 5:00 PM. Anna Graham from the Environmental Department of Paterson Group conducted the site visit. In addition to the site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site assessment.

6.2 Specific Observations at Phase I Property

Buildings and Structures

There are currently no buildings on the subject property. Three sewer mains / trunks are reportedly beneath the eastern portion of the subject site.

Storage Tanks

No above ground storage tanks (ASTs) or evidence of underground storage tanks (USTs), or evidence of other fuel or chemical storage was observed on the subject site.

Water Source

Surrounding properties are serviced by the City of Ottawa water system. It is our understanding that the proposed development for the subject site will be serviced by the municipal water system.

Unidentified Substances

There were no unidentified substances on the subject property at the time of this assessment.

Groundwater Monitoring Wells

No evidence of groundwater monitoring wells was identified on the subject site at the time of the site visit.

Sewage Works

Neighbouring properties are serviced by the City of Ottawa sewer system.

Railway Lines

There are no railway lines within the Phase I study area.

Ozone Depleting Substances (ODSs)

No potential sources of ODSs were observed on site during the assessment.

Site Features

The subject land is vacant and covered with cropped grass. The site is at grade with adjacent properties. Drainage consists primarily of infiltration, with some sheet flow to catch basins located in the adjacent paved areas. A municipal sewer runs through the east side of the site, parallel to Trim Road.

Potentially Contaminating Activities (PCA)

The site visit did not identify any Potentially Contaminating Activities at the subject site.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the subject site was as follows:

- North - Watters Road, followed by residential;
- South - Commercial plaza, followed by residential;
- East - Trim Road, followed by residential;
- West - Vacant lot (920 Watters Road), followed by Watters Road.

The current use of the adjacent properties is not considered to pose an environmental concern to the subject site. Current land use in the Phase I Study area is illustrated on Drawing: PE3336-5 – Surrounding Land Use Plan in the Figures section of this report, following the text.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following table indicates the current and past uses of the site as well as any associated potentially contaminating activities dating back to the first developed use of the site (if present).

Table 1 - Land Use History			
Time Period	Land Use	Potentially Contaminating Activities	Potential Environmental Concerns
1955 (earliest air photo reviewed)-2011	Trim Road	None (fill already assessed)	No
2011-present	Vacant	None	No

Potentially Contaminating Activities (PCAs)

The fill present at the subject site was determined to be in compliance with the MOECC Table 3 standards. Therefore the fill is not considered to be a Potentially Contaminating Activity.

Areas of Potential Environmental Concern (APECs)

Based on the results of the Fill Quality Assessment, the fill on the former Trim Road right-of-way does not represent an area of potential environmental concern for the subject property.

Contaminants of Potential Concern

Based on the results of the previous Fill Quality Assessment carried out for the subject site, no contaminants of potential concern have been identified for the subject site.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on information from the Geological Survey of Canada, drift thickness in the area of the subject site is estimated to be on the order of 15 to 50 m. Overburden soils are shown as marine deposits, clay and silt.

Contaminants of Potential Concern

As per section 7.1 of the report, no Contaminants of Potential Concern (CPCs) were identified.

Existing Buildings and Structures

There are no buildings located at the subject site.

Water Bodies

Cardinal Creek, which is located approximately 300 m to the east of the subject site, is the closest water body.

Areas of Natural Significance

No areas of natural significance were identified on the site or in the Phase I study area.

Drinking Water Wells

Private water wells are not believed to be present within the Phase I study area.

Neighbouring Land Use

Neighbouring land use in the Phase I study area is mainly residential and commercial / retail. No concerns were identified with the current neighbouring land use.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

Based on the results of the previous Fill Quality Assessment, the fill under the former roadway is not considered to be a potentially Contaminating Activity, and does not represent an Area of Potential Environmental Concern on the subject site.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are no PCAs or APECs within the Phase I study area. The absence of Areas of Potential Environmental Concern was confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

Assessment

Paterson Group was retained by Trim Road Land Holdings Limited to conduct a Phase I Environmental Site Assessment (ESA) of the former Trim Road right-of-way located adjacent to 900 and 920 Watters Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

According to the historical research, the subject site was developed with Trim Road prior to 1955, and was likely used for agricultural purposes prior to the construction of the roadway. The roadway was realigned between 2011 and 2014 with the pavement structure being removed. The fill beneath the asphalt layer was not removed.

The adjacent property to the west at 900 Watters Road was developed with a commercial plaza in 2005. The adjacent property at 920 Watters Road was never developed. A dry cleaner was identified within a unit at 900 Watters Road. The dry cleaner operated as a drop-off location only and, as such, was not considered to have had the potential to have impacted the subject property.

A Fill Quality Assessment was carried out for the subject property in August 2017. No contaminants in excess of the MOECC Table 3 standards were identified. No significant environmental concerns were identified with the historical use of the subject site or any other properties in the Phase I study area.

Following the historical research, a site inspection was conducted of the subject site and Phase I ESA study area. The subject site is currently vacant and neighbouring properties were residential or commercial. No environmental concerns were identified on the subject site or the Phase I study area at the time of the site visit.

Conclusion

Based on the results of the results of this Phase I ESA and the previous Fill Quality Assessment, in **our opinion, a Phase II Environmental Site Assessment is not required for the property.**

9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04 as amended by O.Reg. 269/11, and meets the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

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

This report was prepared for the sole use of Trim Road Land Holdings Limited and CMHC. Permission and notification from Trim Road Land Holdings Limited and Paterson will be required to release this report to any other party.

Paterson Group Inc.



Anna Graham, M.E.S.



Mark S. D'Arcy, P.Eng.



Report Distribution:

- Trim Road Land Holdings Limited
- Paterson Group

10.0 REFERENCES

Federal Records

Air photos at the Energy Mines and Resources Air Photo Library.
National Archives.
Maps and photographs (Geological Survey of Canada surficial and subsurface mapping).
Natural Resources Canada – The Atlas of Canada.
Environment Canada, National Pollutant Release Inventory.
PCB Waste Storage Site Inventory.

Provincial Records

MOECC Municipal Coal Gasification Plant Site Inventory, 1991.
MOECC document titled “Waste Disposal Site Inventory in Ontario”.
MOECC Brownfields Environmental Site Registry.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
MNR Areas of Natural Significance.
MOECC Water Well Inventory.
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

Municipal Records

City of Ottawa Document “Old Landfill Management Strategy, Phase I - Identification of Sites.”, prepared by Golder Associates, 2004.
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
The City of Ottawa eMap website.
City of Ottawa Historical Land Use Inventory (HLUI) Database.

Local Information Sources

Site Sketch, Stantec Geomatics Limited.
Personal Interviews.

Public Information Sources

Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE3336-4 – SITE PLAN

DRAWING PE3336-5 – SURROUNDING LAND USE PLAN

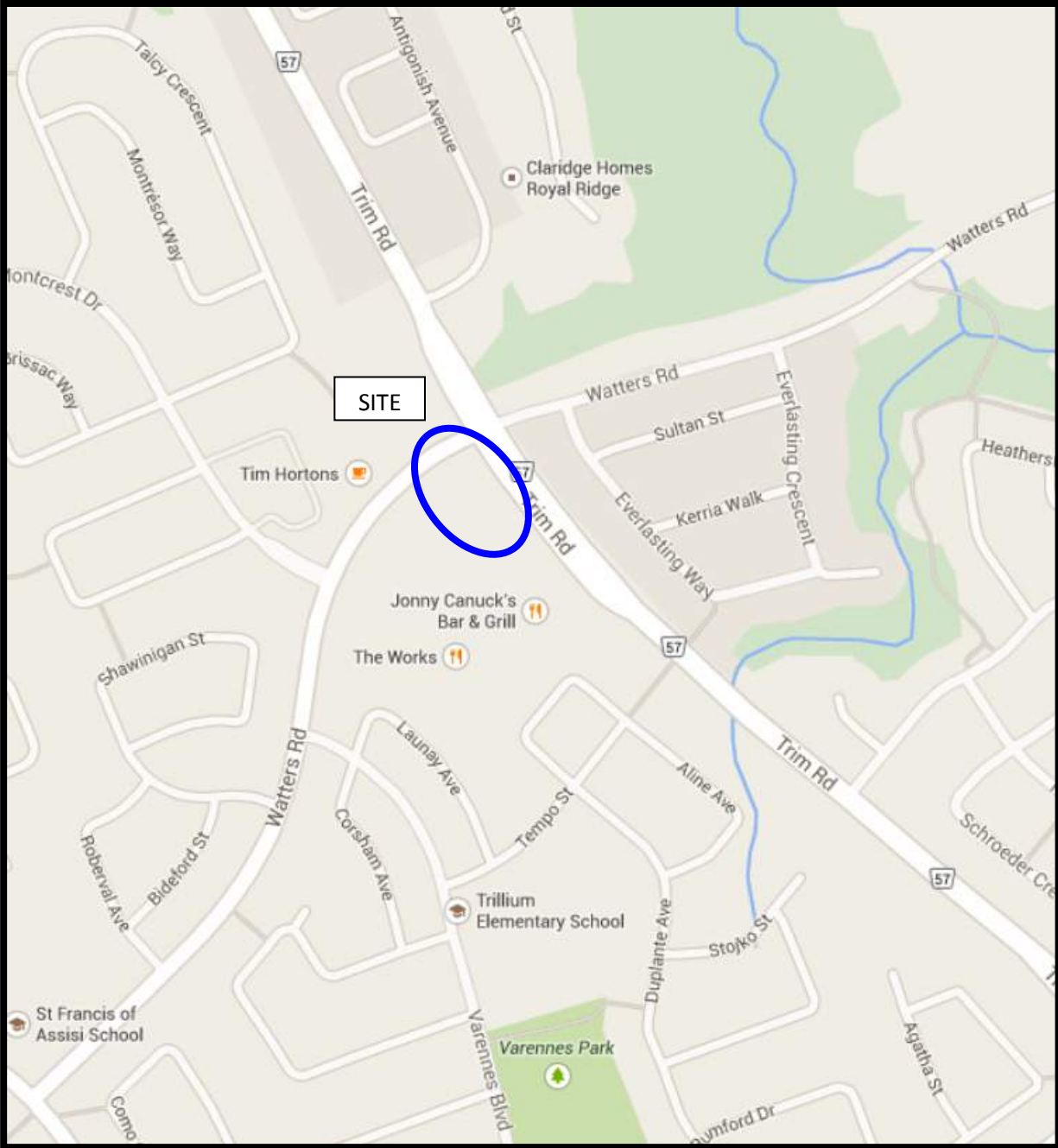


FIGURE 1
KEY PLAN

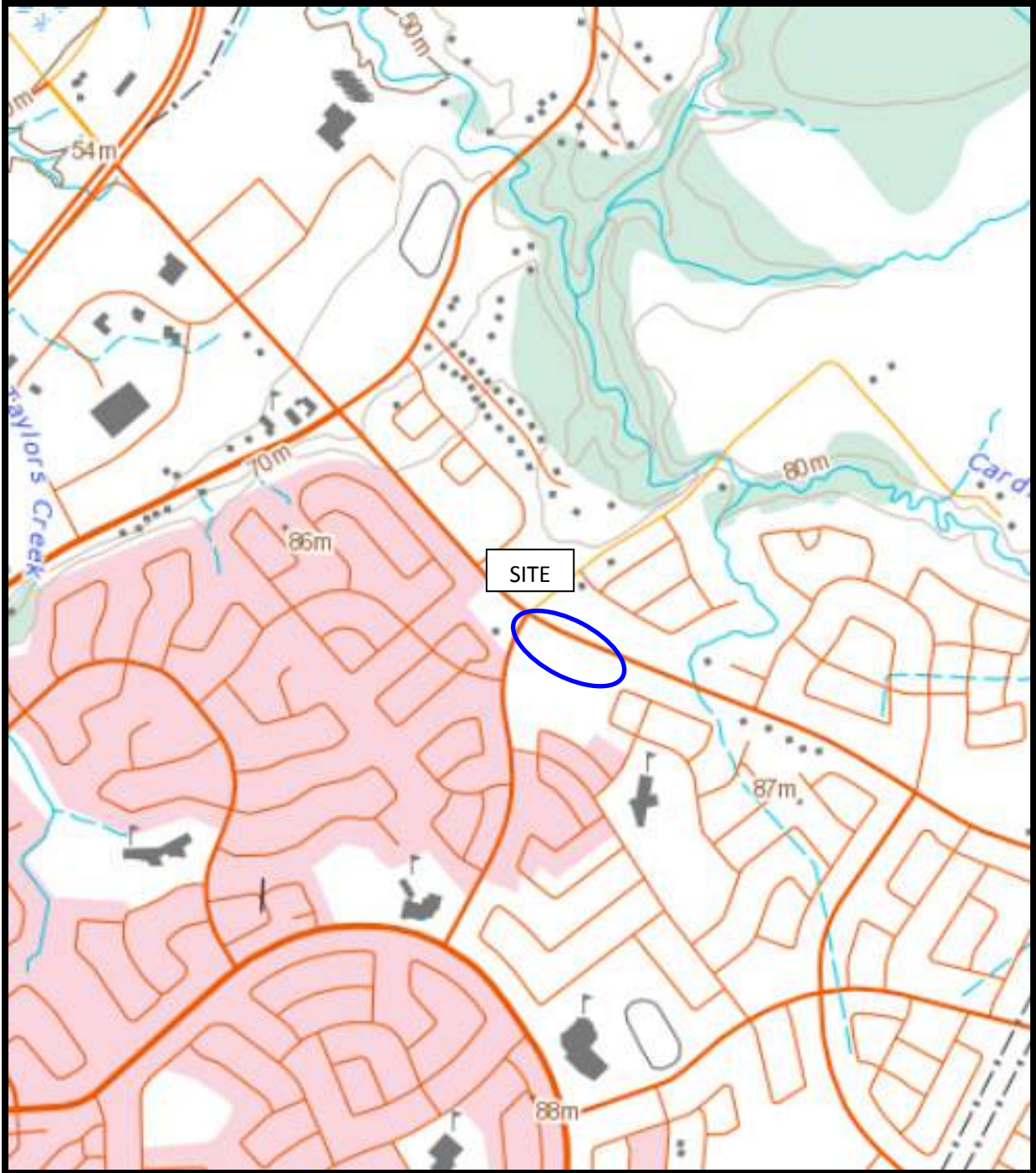
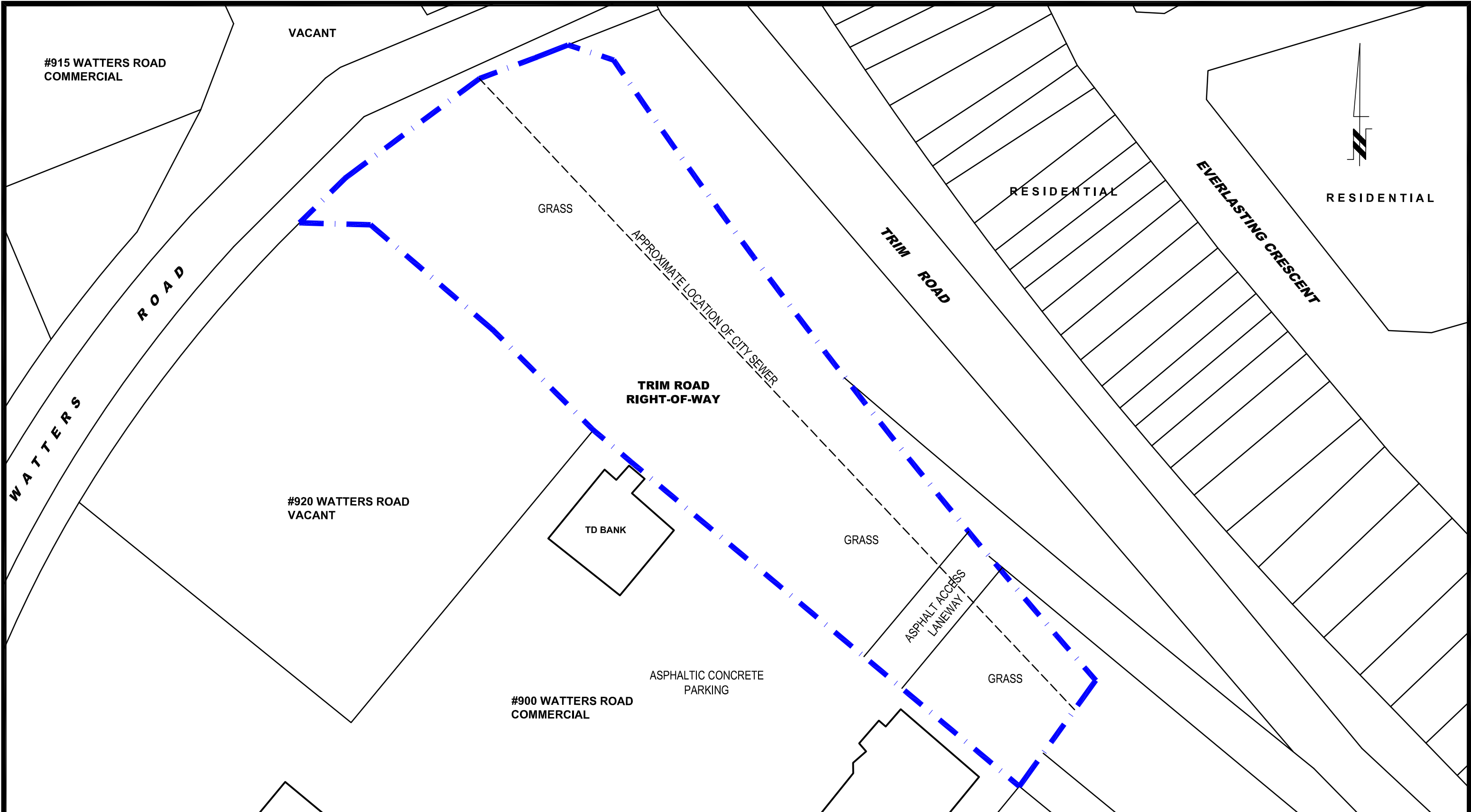


FIGURE 2
TOPOGRAPHIC MAP



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 consulting engineers

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NO.	REVISIONS	DATE	INITIAL
0			

TRIM ROAD LAND HOLDINGS LTD.
 PHASE I - ENVIRONMENTAL SITE ASSESSMENT
 TRIM ROAD RIGHT-OF-WAY AT 900 AND 920 WATTERS ROAD
 OTTAWA, ONTARIO

Title: **SITE PLAN**

Scale:	1:500
Drawn by:	RG
Checked by:	GVL
Approved by:	MSD

Date:	07/2017
Report No.:	PE3336-2
Dwg. No.:	PE3336-4
Revision No.:	0

p:\autocad drawings\environmental\pe3336\pe3336-4 site plan.dwg



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 Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL
0			

TRIM ROAD LAND HOLDINGS INC,
 PHASE I - ENVIRONMENTAL SITE ASSESSMENT
 TRIM ROAD RIGHT-OF-WAY AT 900 and 920 WATTERS ROAD
 OTTAWA, ONTARIO

Title: **SURROUNDING LAND USE PLAN**

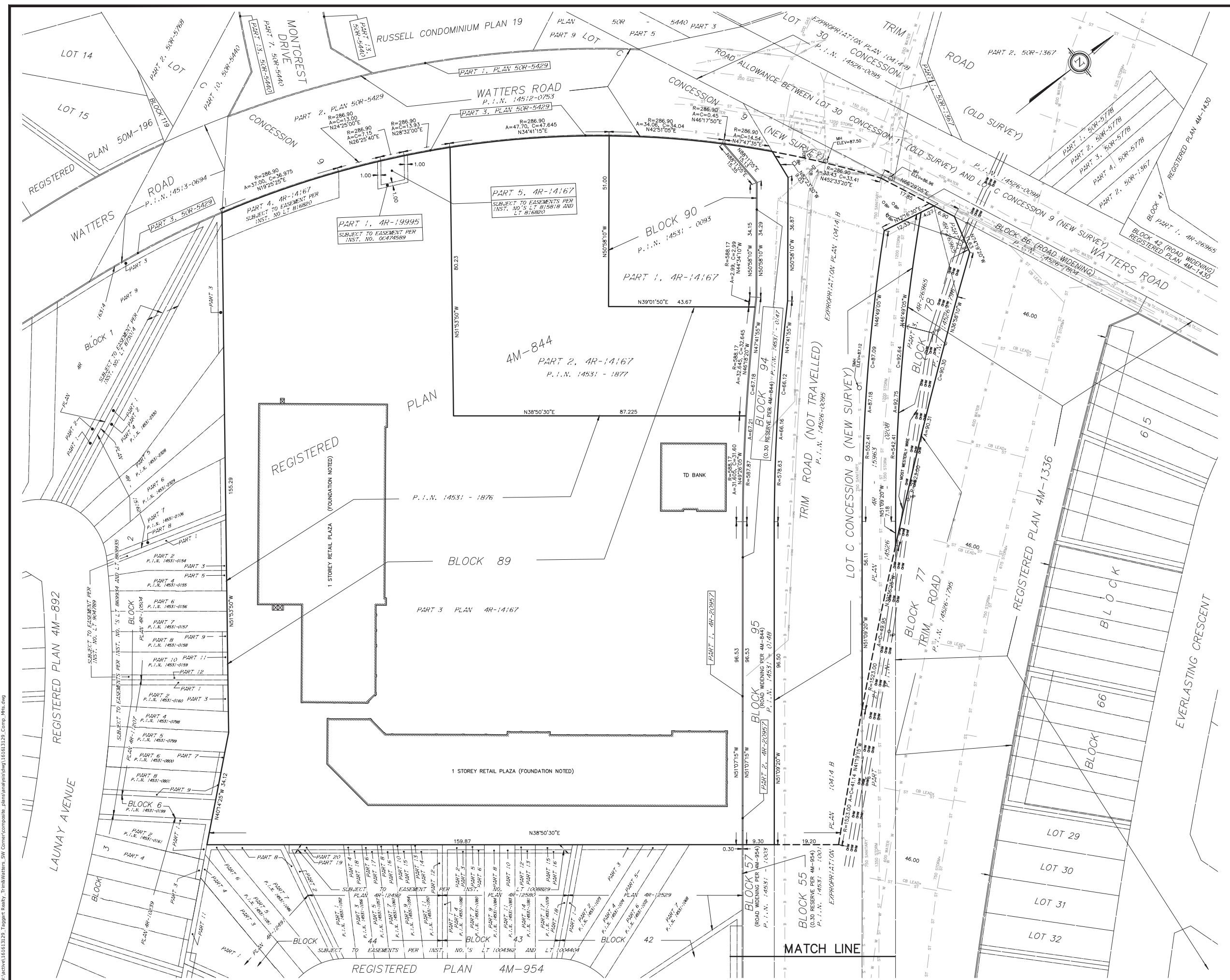
Scale:	1:3000	Date:	07/2017
Drawn by:	AG	Report No.:	PE3336-2
Checked by:	AG	Dwg. No.:	PE3336-5
Approved by:	MSD	Revision No.:	0

APPENDIX 1

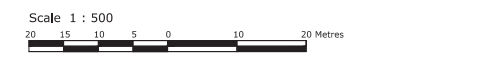
CURRENT PLAN OF SURVEY

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



SKETCH SHOWING
 BLOCKS 89, 90, 94 AND 95
 REGISTERED PLAN 4M-844
 BLOCK 78
 REGISTERED PLAN 4M-1336
 AND PART OF LOT C
 CONCESSION 9 (NEW SURVEY)
 GEOGRAPHIC TOWNSHIP OF CUMBERLAND
 CITY OF OTTAWA

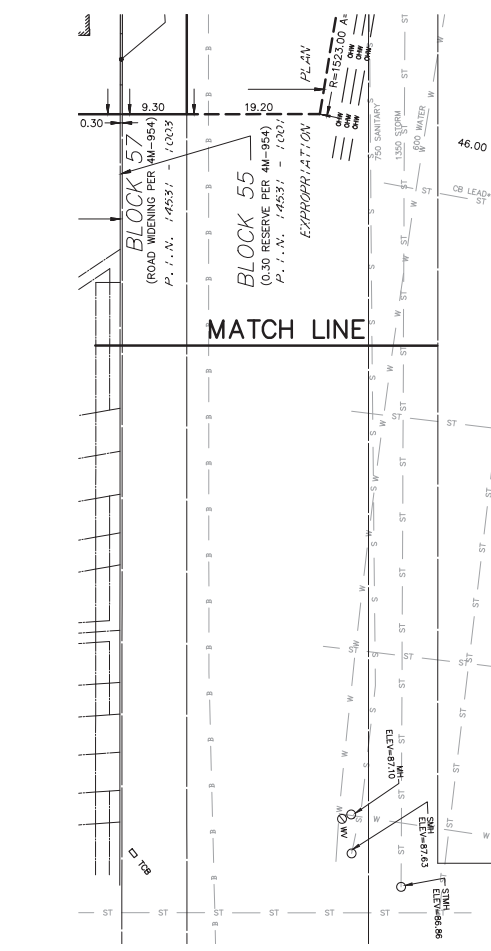


BOUNDARY INFORMATION COMPILED FROM PLANS 4M-844, 4M-1336, 4R-14167 & 4R-15963.

PIN	OWNER'S NAME
14531-0093	IMPERIAL OIL LIMITED
14531-1874	TRIM ROAD LAND HOLDINGS LTD.
14531-1877	IMPERIAL OIL LIMITED
14531-0147	REGIONAL MUNICIPALITY OF OTTAWA CARLETON (CITY OF OTTAWA)
14531-0148	REGIONAL MUNICIPALITY OF OTTAWA CARLETON (CITY OF OTTAWA)
14526-0095	REGIONAL MUNICIPALITY OF OTTAWA CARLETON (CITY OF OTTAWA)
14526-0208	CITY OF OTTAWA
14526-1796	CARDINAL CREEK DEVELOPMENTS INC.

- OP DENOTES HYDRO POLE (UNDER CONSTRUCTION)
- OW DENOTES GUY WIRE AND ANCHOR (UNDER CONSTRUCTION)
- OH DENOTES OVERHEAD WIRES
- MH DENOTES MANHOLE
- BP DENOTES BELL PEDESTAL
- TCB DENOTES TRAFFIC CONTROL BOX

1. MANHOLES, PEDESTALS AND CONTROL BOXES DERIVED FROM STANTEC SURVEY DATED OCTOBER 28, 2008, AND MAY NOT REPRESENT FULL EXTENT OF UTILITIES PRESENTLY IN PLACE.
2. UTILITY INFORMATION ALONG NEW TRIM ROAD ALIGNMENT (BLOCK 77, REGISTERED PLAN 4M-1336) DERIVED FROM CONTRACT DRAWINGS PREPARED BY ROBINSON CONSULTANTS DATED SEPT. 21, 2012, CONTRACT ISD11-5147, AND DO NOT NECESSARILY REFLECT AS-BUILT CONDITIONS. PIPE DIAMETERS FROM THESE DRAWINGS ARE SHOWN WITH AN ASTERISK (*).
3. UTILITY INFORMATION ALONG OLD TRIM ROAD ALIGNMENT AND WATTERS ROAD DERIVED FROM CITY OF OTTAWA CENTRAL REGISTRY SHEETS D-35-10, D-35-16, D-35-22 AND D-35-23.
4. BUILDING LOCATIONS COMPILED FROM SURVEYORS REAL PROPERTY REPORT DATED NOV 17, 2006, AND DO NOT REPRESENT ANY CHANGES OR IMPROVEMENTS MADE ABOVE THE CONCRETE FOUNDATION WALLS.



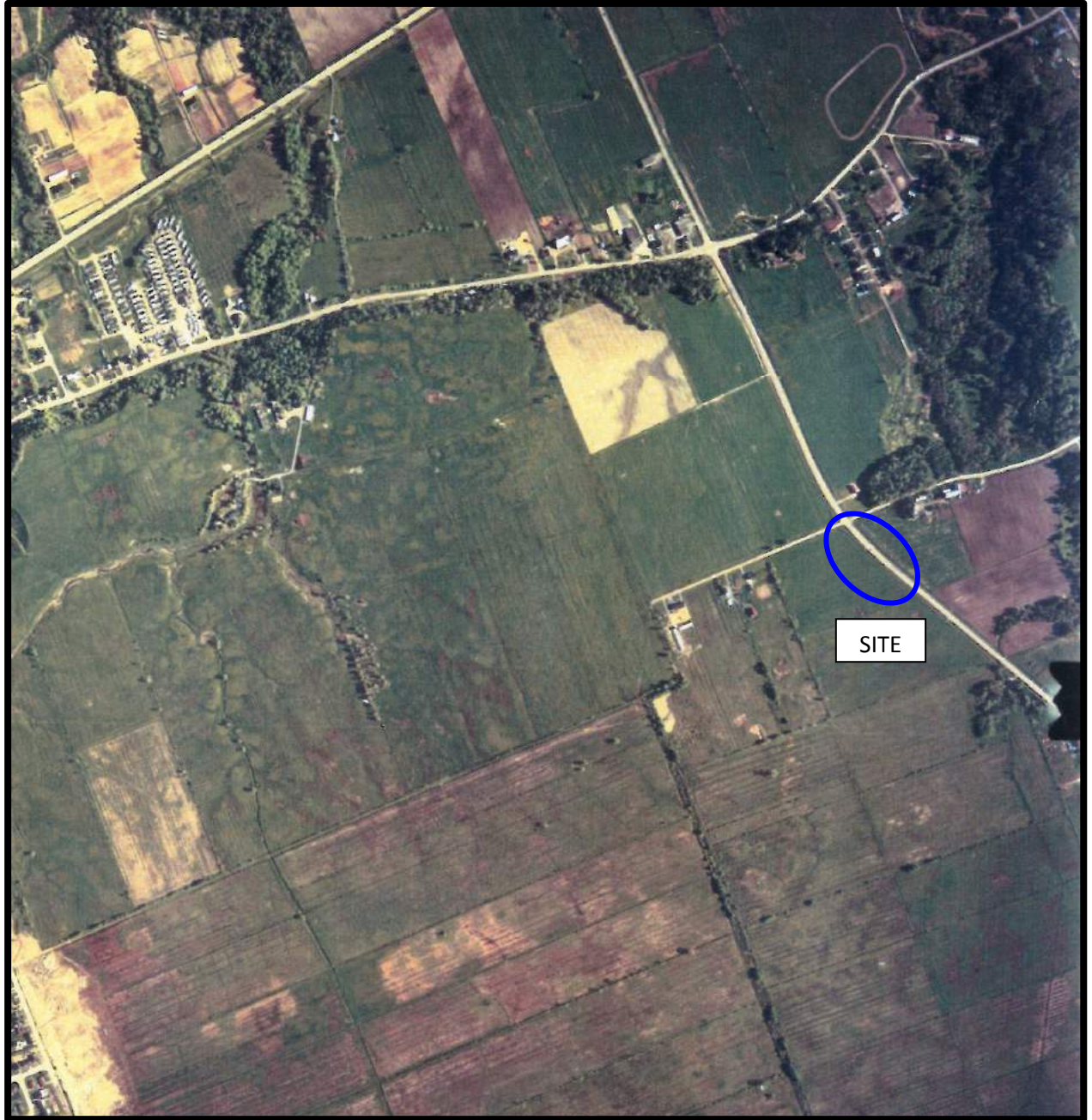
Stantec Geomatics Ltd.
 Ontario Land Surveyors
 Canada Lands Surveyors
 1331 CLYDE AVENUE, SUITE 400, OTTAWA, ON, K2C 3G4
 PHONE (613) 722-4420 FAX (613) 722-2799
 stantec.com

DRAWN BY: CH | CHECKED BY: DR | PM: DR | FIELD: | PROJECT No.: 1616-13129

W:\projects\161613129_Trapart.Realty.TrimWatters_Sky\Comer\composite_pblna\analysis\view\161613129_Comp_Mfg.dwg



AERIAL PHOTOGRAPH
1955



AERIAL PHOTOGRAPH
1978



AERIAL PHOTOGRAPH
1985



AERIAL PHOTOGRAPH
1993



AERIAL PHOTOGRAPH
2014

Site Photographs

PE3336

Trim Road Right-of-Way, Ottawa, Ontario

July 25, 2017



Photograph 1: View of the adjacent commercial property at 900 Watters Road.



Photograph 2: View of the vacant property at 920 Watters Road (front) and the subject site (behind), looking north. The intersection of Trim Road and Watters road is visible at the right.

Site Photographs

PE3336

Trim Road Right-of-Way, Ottawa, Ontario

July 25, 2017



Photograph 3: View of the north part of the subject site, looking east. Trim Road is visible.



Photograph 4: City of Ottawa sewer markings on the north end of the subject site.

Site Photographs

PE3336

Trim Road Right-of-Way, Ottawa, Ontario

July 25, 2017



Photograph 5: Central part of the subject site, looking south.



Photograph 6: South part of the subject site, looking southeast. Trim Road is at left.

APPENDIX 2

ERIS REPORT

MOECC WELL RECORDS

CITY OF OTTAWA HLUI SEARCH RESPONSE

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



DATABASE REPORT

Project Property: *PE3336
Trim Road At Watters Road
Ottawa ON
22048*

Project No: *22048*

Report Type: *Standard Report*

Order No: *20170719019*

Requested by: *Paterson Group Inc.*

Date Completed: *July 25, 2017*

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

www.erisinfo.com

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Executive Summary

Property Information:

Project Property: PE3336
Trim Road At Watters Road Ottawa ON

Project No: 22048

Coordinates:

Latitude: 45.483511
Longitude: -75.474502
UTM Northing: 5,036,774.06
UTM Easting: 462,917.90
UTM Zone: UTM Zone 18T

Elevation: 281 FT
85.79 M

Order Information:

Order No: 20170719019
Date Requested: July 19, 2017
Requested by: Paterson Group Inc.
Report Type: Standard Report

Historical/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	3	3
CA	<i>Certificates of Approval</i>	Y	0	3	3
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	0	0
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	2	2
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EXP	<i>List of TSSA Expired Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	15	15
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	1	1
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBW	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	3	3
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	0	0
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	8	8
Total:			0	35	35

Executive Summary: Site Report Summary - Project Property

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

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
1	CA	MONARCH CONSTRUCTION LTD. - PLAZA	WATTERS ROAD AT TRIM RD. CUMBERLAND TWP. ON	N/28.1	-0.69	15
1	CA	CROWN POINTE DEVELOPMENT INC.	WATTERS RD./TRIM RD. (SWM) CUMBERLAND TWP. ON	N/28.1	-0.69	15
2	EHS		Trim Rd Watters Rd Ottawa ON	S/49.5	-1.08	15
3	WWIS		lot C con 9 ON	WSW/55.0	-0.60	16
4	BORE		ON	NE/61.8	-2.39	18
5	GEN	Imperial Oil	920 Watters Road Ottawa ON	S/74.7	-0.90	18
6	WWIS		lot 30 con 1 ON	NNW/82.5	0.36	19
7	WWIS		ON	SSW/96.6	0.17	21
7	WWIS		ON	SSW/96.6	0.17	22
8	WWIS		ORLEAN ON	N/99.8	-1.67	23
9	BORE		ON	NE/109.9	-2.68	24
10	GEN	Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	S/116.1	0.32	25
10	GEN	Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	S/116.1	0.32	25
10	GEN	Euforia Family Health Organization	11-900 Watters Rd. Orleans ON K4A 0B4	S/116.1	0.32	26
10	GEN	Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	S/116.1	0.32	26
10	GEN	2052663 Ontario Inc.	11-900 Watters Rd. Orleans ON K4A 0B4	S/116.1	0.31	26
10	GEN	Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	S/116.1	0.32	26
10	GEN	2052663 Ontario Inc.	11-900 Watters Rd. Orleans ON K4A 0B4	S/116.1	0.31	27
10	GEN	Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	S/116.1	0.32	27
10	GEN	2052663 Ontario Inc.	11-900 Watters Rd. Orleans ON K4A 0B4	S/116.1	0.32	27
10	GEN	Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	S/116.1	0.32	28
10	PES	TORA ORLEANS (WATTERS) LIMITED, O/A GIANT TIGER #155	900 WATTERS ROAD ORLEANS ON K4A 0B4	S/116.1	0.31	28
10	PES	TORA ORLEANS (WATTERS) LIMITED, O/A GIANT TIGER #155	900 WATTERS ROAD ORLEANS ON K4A 0B4	S/116.1	0.31	28

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>10</u>	PES	TORA ORLEANS (WATTERS) LIMITED, O/A GIANT TIGER #155	900 WATTERS ROAD ORLEANS ON K4A 0B4	S/116.1	0.31	<u>28</u>
<u>11</u>	WWIS		lot C con 9 ON	ESE/123.8	-0.20	<u>28</u>
<u>12</u>	CA	DOUGLAS MACDONALD DEV. CORP.-PT.LOT C	WATTERS RD./MONTCREST DR. CUMBERLAND TWP. ON	SW/138.5	0.15	<u>31</u>
<u>13</u>	WWIS		lot C con 9 ON	WSW/139.2	1.17	<u>31</u>
<u>14</u>	EHS		Trim Rd & Watters Rd Orleans ON	NE/158.3	-2.10	<u>34</u>
<u>15</u>	GEN	2052663 Ontario Inc.	11-900 Watters Rd. Orleans ON	SSE/160.1	0.63	<u>34</u>
<u>15</u>	GEN	Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON	SSE/160.1	0.63	<u>34</u>
<u>15</u>	GEN	Euforia Family Health Organization	11-900 Watters Rd. Orleans ON K4A 0B4	SSE/160.1	0.63	<u>35</u>
<u>15</u>	GEN	Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	SSE/160.1	0.63	<u>35</u>
<u>16</u>	BORE		ON	ENE/170.2	-1.37	<u>35</u>
<u>17</u>	WWIS		lot C con 9 ON	SW/237.1	2.36	<u>36</u>
<u>18</u>	HINC		418 SULTAN STREET OTTAWA ON K4A 0K1	ENE/239.9	-0.01	<u>37</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 3 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	NE	61.77	<u>4</u>
	ON	NE	109.89	<u>9</u>
	ON	ENE	170.16	<u>16</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 3 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
DOUGLAS MACDONALD DEV. CORP.-PT.LOT C	WATTERS RD./MONTCREST DR. CUMBERLAND TWP. ON	SW	138.47	<u>12</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CROWN POINTE DEVELOPMENT INC.	WATTERS RD./TRIM RD. (SWM) CUMBERLAND TWP. ON	N	28.11	<u>1</u>
MONARCH CONSTRUCTION LTD. - PLAZA	WATTERS ROAD AT TRIM RD. CUMBERLAND TWP. ON	N	28.11	<u>1</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Trim Rd Watters Rd Ottawa ON	S	49.48	<u>2</u>
	Trim Rd & Watters Rd Orleans ON	NE	158.29	<u>14</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Sep 2016 has found that there are 15 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	S	116.05	10
Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	S	116.05	10
Euforia Family Health Organization	11-900 Watters Rd. Orleans ON K4A 0B4	S	116.05	10
Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	S	116.05	10
2052663 Ontario Inc.	11-900 Watters Rd. Orleans ON K4A 0B4	S	116.05	10
Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	S	116.05	10
2052663 Ontario Inc.	11-900 Watters Rd. Orleans ON K4A 0B4	S	116.05	10
Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	S	116.05	10
2052663 Ontario Inc.	11-900 Watters Rd. Orleans ON K4A 0B4	S	116.05	10
Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	S	116.05	10
Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON K4A 0B4	SSE	160.06	15
Euforia Family Health Organization	11-900 Watters Rd. Orleans ON K4A 0B4	SSE	160.06	15
Crown Pointe Animal Hospital	900 Watters Rd unit 8 Ottawa ON	SSE	160.06	15
2052663 Ontario Inc.	11-900 Watters Rd. Orleans ON	SSE	160.06	15

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Imperial Oil	920 Watters Road Ottawa ON	S	74.65	5

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.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	418 SULTAN STREET OTTAWA ON K4A 0K1	ENE	239.94	18

PES - Pesticide Register

A search of the PES database, dated 1988-Oct 2016 has found that there are 3 PES site(s) within approximately 0.25 kilometers of the project property.

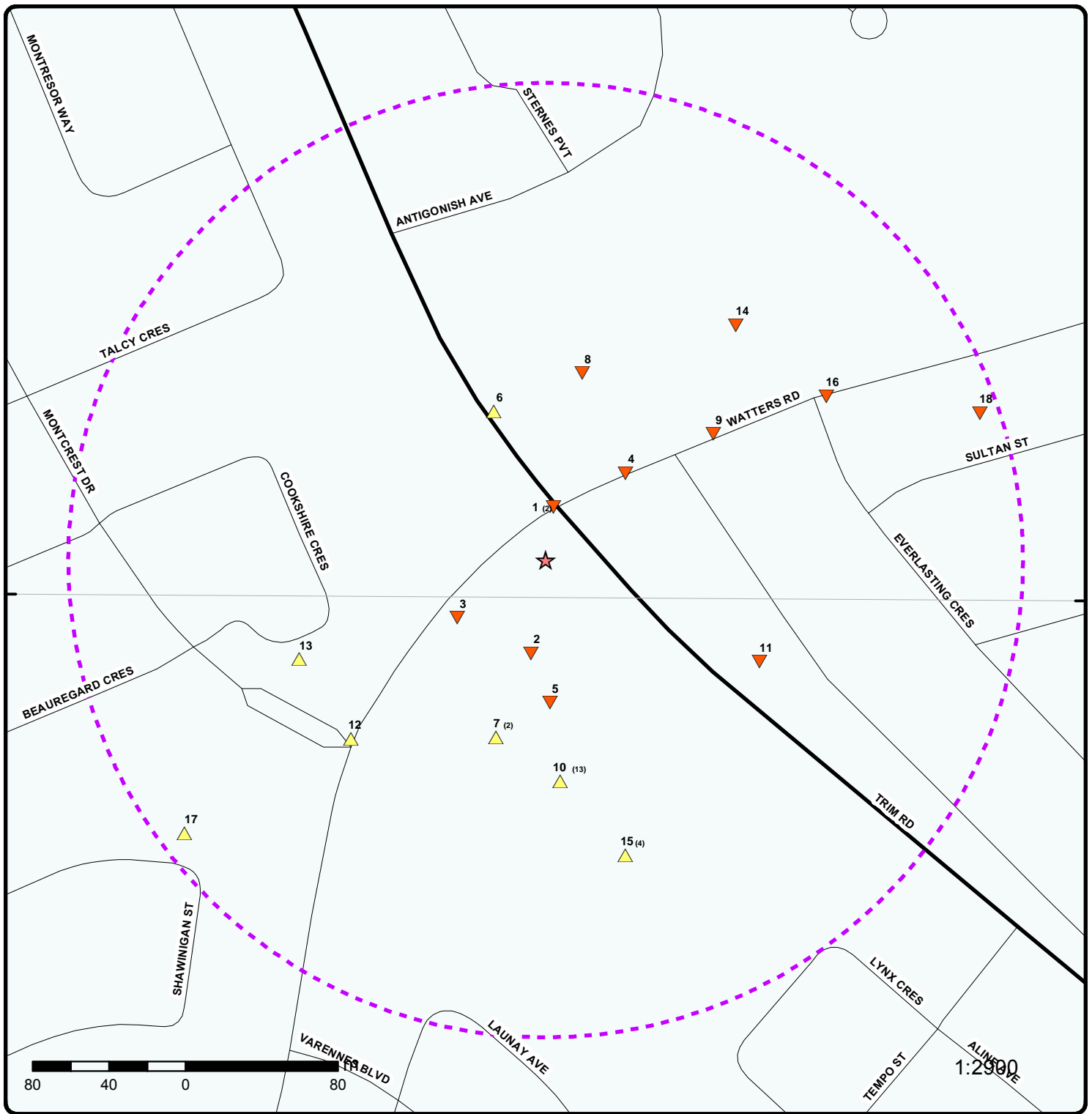
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
TORA ORLEANS (WATTERS) LIMITED, O/A GIANT TIGER #155	900 WATTERS ROAD ORLEANS ON K4A 0B4	S	116.05	<u>10</u>
TORA ORLEANS (WATTERS) LIMITED, O/A GIANT TIGER #155	900 WATTERS ROAD ORLEANS ON K4A 0B4	S	116.05	<u>10</u>
TORA ORLEANS (WATTERS) LIMITED, O/A GIANT TIGER #155	900 WATTERS ROAD ORLEANS ON K4A 0B4	S	116.05	<u>10</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30, 2016 has found that there are 8 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 30 con 1 ON	NNW	82.52	<u>6</u>
	ON	SSW	96.60	<u>7</u>
	ON	SSW	96.60	<u>7</u>
	lot C con 9 ON	WSW	139.20	<u>13</u>
	lot C con 9 ON	SW	237.12	<u>17</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot C con 9 ON	WSW	55.04	<u>3</u>
	ORLEAN ON	N	99.78	<u>8</u>
	lot C con 9 ON	ESE	123.84	<u>11</u>



Map : 0.25 Kilometer Radius

Order No: 20170719019

Address: Trim Road At Watters Road, Ottawa, ON

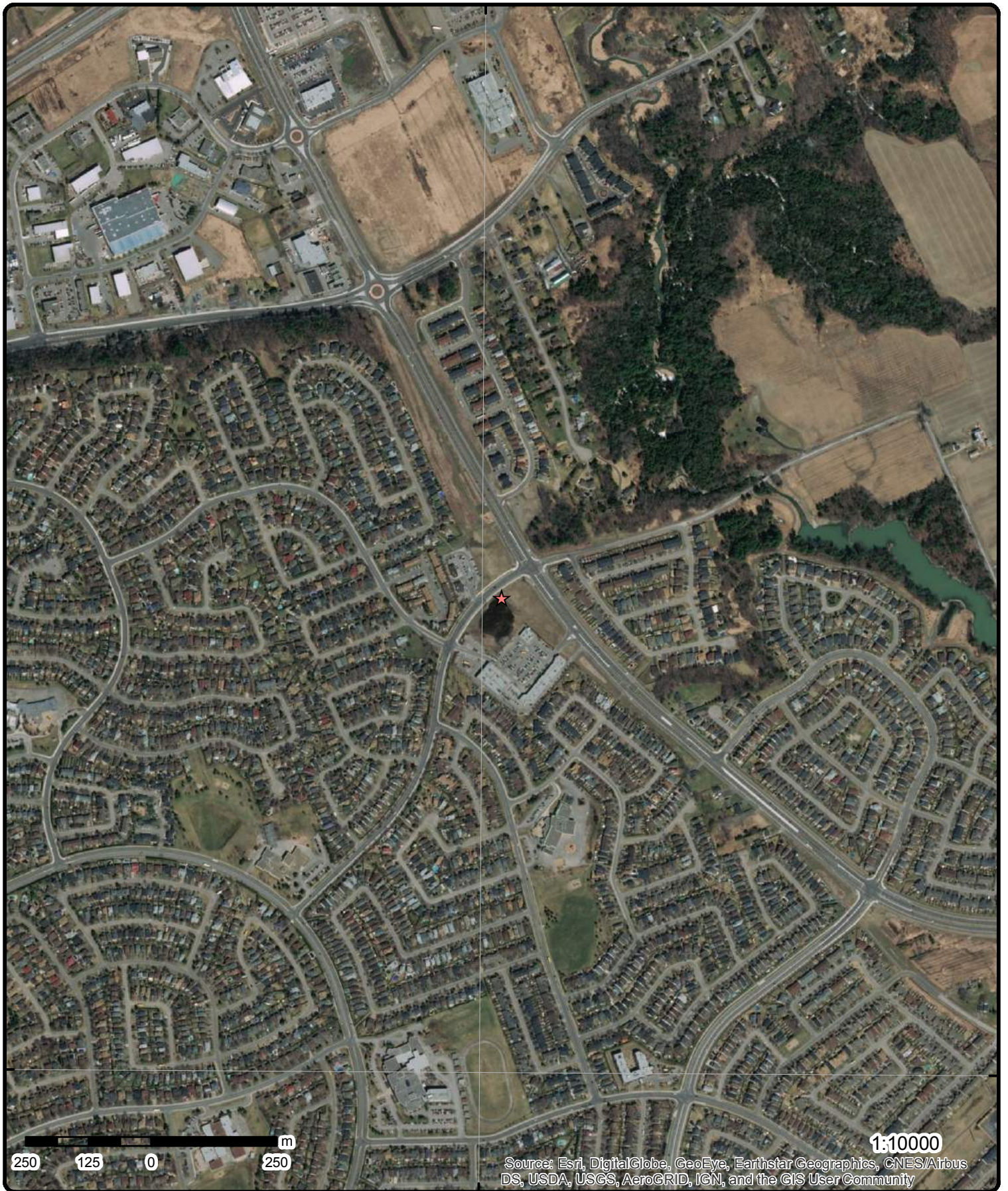


	Project Property		Expressway		Industrial and Resource - Regions		National Park
	Buffer Outline		Principal Highway		Main Line		Provincial or Territorial Park
	Eris Sites with Higher Elevation		Secondary Highway		Sidetrack		Other Park
	Eris Sites with Same Elevation		Major Road		Transit Line		Golf Course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

75°28'30"W

45°28'30"N

45°28'30"N



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

1:10000

Aerial

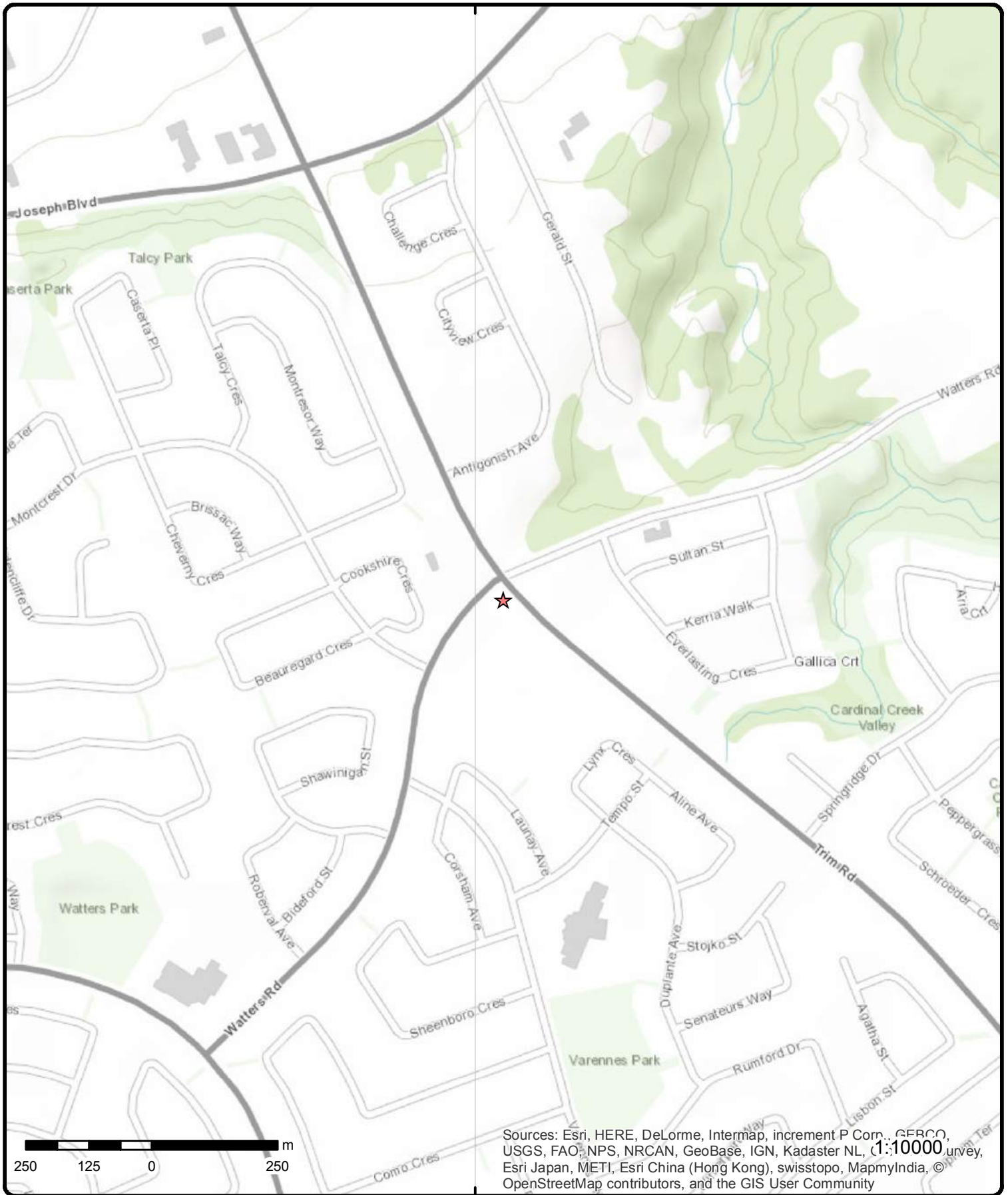
Address: Trim Road At Watters Road, Ottawa, ON

Source: ESRI World Imagery

Order No: 20170719019



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Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, © 1:10000, survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Topographic Map

Address: Trim Road At Watters Road, Ottawa, ON

Source: ESRI World Topographic Map

Order No: 20170719019



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 2	N/28.1	85.1	MONARCH CONSTRUCTION LTD. - PLAZA WATERS ROAD AT TRIM RD. CUMBERLAND TWP. ON	CA
<p> Certificate #: 7-0704-90- Application Year: 90 Issue Date: 5/25/1990 Approval Type: Municipal water Status: Approved Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control:: </p>					
1	2 of 2	N/28.1	85.1	CROWN POINTE DEVELOPMENT INC. WATERS RD./TRIM RD. (SWM) CUMBERLAND TWP. ON	CA
<p> Certificate #: 3-0758-96- Application Year: 96 Issue Date: 9/3/1996 Approval Type: Municipal sewage Status: Approved Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control:: </p>					
2	1 of 1	S/49.5	84.7	Trim Rd Waters Rd Ottawa ON	EHS
<p> Postal Code: City: Address2: Address1: Provstate: Order No.: 20130606035 Addit. Info Ordered:: Fire Insur. Maps and/or Site Plans Report Date: 17-JUN-13 Report Type: Standard Report Search Radius (km): .25 </p>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<u>3</u>	1 of 1	WSW/55.0	85.2	lot C con 9 ON	WWIS
Well ID:	1515212			Lot:	C
Construction Date:				Concession:	09
Primary Water Use:	Domestic			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	CUMBERLAND TOWNSHIP			UTM Reliability:	
County:	OTTAWA-CARLETON				

Bore Hole Information

--
Bore Hole ID: 10037171
DP2BR: 79
Code OB: r
Code OB Description: Bedrock
Open Hole:
Date Completed: 16-JUL-75
Remarks:
Zone: 18
East 83: 462871.8
North 83: 5036744
UTMRC: 4
UTMRC Description: margin of error : 30 m - 100 m
Location Method: p4
Org CS:
Elevation: 87.81
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:

**Overburden and Bedrock
Materials Interval**

--
Formation ID: 931028546
Layer: 1
General Color: YELLOW
Most Common Material: CLAY
Other Materials:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 15
Formation End Depth UOM: ft
--
Formation ID: 931028547
Layer: 2
General Color: BLUE
Most Common Material: CLAY
Other Materials:
Other Materials:
Formation Top Depth: 15
Formation End Depth: 60
Formation End Depth UOM: ft
--
Formation ID: 931028548
Layer: 3
General Color: GREY
Most Common Material: GRAVEL
Other Materials:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Other Materials:					
Formation Top Depth:		60			
Formation End Depth:		79			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		931028549			
Layer:		4			
General Color:		GREY			
Most Common Material:		SLATE			
Other Materials:					
Other Materials:					
Formation Top Depth:		79			
Formation End Depth:		83			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		961515212			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		10585741			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930065651			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		80			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		991515212			
Pump Set At:					
Static Level:		30			
Final Level After Pumping:		50			
Recommended Pump Depth:		75			
Pumping Rate:		40			
Flowing Rate:					
Recommended Pump Rate:		30			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		N			
--		--			
Draw Down & Recovery					
--		--			
Pump Test Detail ID:		934100028			
Pump Test ID:		991515212			
Test Type:		Recovery			
Test Duration:		15			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Test Level:		30			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934375950			
Pump Test ID:		991515212			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		30			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934646251			
Pump Test ID:		991515212			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		30			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934894957			
Pump Test ID:		991515212			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		30			
Test Level UOM:		ft			
--		--			
--		--			
Water Details					
--		--			
Water ID:		933471237			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		83			
Water Found Depth UOM:		ft			
--		--			
--		--			
4	1 of 1	NE/61.8	83.4	ON	BORE
Borehole ID:	809223			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	462959.73			Northing::	5036819.51
Location Accuracy::				Orig. Ground Elev m::	86.2
Elev. Reliability Note::				DEM Ground Elev m::	87.8
Total Depth m::	3.7			Primary Name::	BH 03-101
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	03-OCT-2003			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218599300			Top Depth(m):	0.0
Bottom Depth(m):	0.7			Stratum Desc:	Grey Crushed Stone
Stratum ID:	218599301			Top Depth(m):	0.7
Bottom Depth(m):	3.7			Stratum Desc:	Grey-Brown Very Stiff Fill-Misc Silty Clay Trace: Sa Tr Gr Tr Org M

5

1 of 1

S/74.7

84.9

**Imperial Oil
920 Watters Road
Ottawa ON**

GEN

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
PO Box Num:					
Status:					
Country:					
Generator #:		ON2946270			
Approval Yrs.:		2013			
SIC Code:		447190			
SIC Description:					
--Details--					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			

6	1 of 1	NNW/82.5	86.1	lot 30 con 1 ON	WWIS
Well ID:		1515859		Lot: 030	
Construction Date:				Concession: 01	
Primary Water Use:		Domestic		Concession Name: OF	
Sec. Water Use:				Easting NAD83:	
Final Well Status:		Water Supply		Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:		CUMBERLAND TOWNSHIP		UTM Reliability:	
County:		OTTAWA-CARLETON			
Bore Hole Information					
--					
Bore Hole ID:		10037798			
DP2BR:		137			
Code OB:		r			
Code OB Description:		Bedrock			
Open Hole:					
Date Completed:		07-OCT-76			
Remarks:					
Zone:		18			
East 83:		462890.8			
North 83:		5036852			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		p4			
Org CS:					
Elevation:		88.02			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--					
Overburden and Bedrock					
Materials Interval					
--					
Formation ID:		931030425			
Layer:		1			
General Color:		YELLOW			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Most Common Material:		CLAY			
Other Materials:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	20				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	931030426				
Layer:	2				
General Color:	BLUE				
Most Common Material:	CLAY				
Other Materials:					
Other Materials:					
Formation Top Depth:	20				
Formation End Depth:	137				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	931030427				
Layer:	3				
General Color:	GREY				
Most Common Material:	LIMESTONE				
Other Materials:					
Other Materials:					
Formation Top Depth:	137				
Formation End Depth:	140				
Formation End Depth UOM:	ft				
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	961515859				
Method Construction Code:	4				
Method Construction:	Rotary (Air)				
Other Method Construction:					
--	--				
Pipe Information					
--	--				
Pipe ID:	10586368				
Casing Number:	1				
Comment:					
Alt Name:					
--	--				
Construction Record - Casing					
--	--				
Casing ID:	930066601				
Layer:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	137				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
--	--				
Well Yield Testing					
--	--				
Pump Test ID:	991515859				
Pump Set At:					
Static Level:	35				
Final Level After Pumping:	65				
Recommended Pump Depth:	65				
Pumping Rate:	60				
Flowing Rate:					
Recommended Pump Rate:	20				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
--		--			
Draw Down & Recovery					
--		--			
Pump Test Detail ID:		934101420			
Pump Test ID:		991515859			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		40			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934378194			
Pump Test ID:		991515859			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		35			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934639712			
Pump Test ID:		991515859			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		35			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934897197			
Pump Test ID:		991515859			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		35			
Test Level UOM:		ft			
--		--			
--		--			
Water Details					
--		--			
Water ID:		933472039			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		140			
Water Found Depth UOM:		ft			
--		--			
--		--			

7 1 of 2 SSW/96.6 86.0 ON WWIS

Well ID:	7213307	Lot:	
Construction Date:		Concession:	
Primary Water Use:		Concession Name:	
Sec. Water Use:		Easting NAD83:	
Final Well Status:		Northing NAD83:	
Specific Capacity:		Zone:	
Municipality:	CUMBERLAND TOWNSHIP	UTM Reliability:	
County:	OTTAWA-CARLETON		

Bore Hole Information

--

Bore Hole ID: 1004668939

DP2BR:

Code OB:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Code OB Description:					
Open Hole:					
Date Completed:		11-OCT-13			
Remarks:					
Zone:		18			
East 83:		462892			
North 83:		5036681			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
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<u>7</u>	2 of 2	SSW/96.6	86.0	ON	WWIS
Well ID: 7242929					
Construction Date:					
Primary Water Use:					
Sec. Water Use:					
Final Well Status:					
Specific Capacity:					
Municipality: CUMBERLAND TOWNSHIP					
County: OTTAWA-CARLETON					
Lot:					
Concession:					
Concession Name:					
Easting NAD83:					
Northing NAD83:					
Zone:					
UTM Reliability:					
Bore Hole Information					
--					
Bore Hole ID: 1005407160					
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		03-DEC-13			
Remarks:					
Zone:		18			
East 83:		462892			
North 83:		5036681			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
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--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<u>8</u>	1 of 1	N/99.8	84.1	ORLEAN ON	WWIS
Well ID:		7211754		Lot:	
Construction Date:				Concession:	
Primary Water Use:		Not Used		Concession Name:	
Sec. Water Use:				Easting NAD83:	
Final Well Status:		Abandoned-Other		Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:		CUMBERLAND TOWNSHIP		UTM Reliability:	
County:		OTTAWA-CARLETON			
Bore Hole Information					
--		--			
Bore Hole ID:		1004649968			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		14-JUN-13			
Remarks:					
Zone:		18			
East 83:		462937			
North 83:		5036872			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:		--			
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		1004950927			
Layer:					
General Color:					
Most Common Material:					
Other Materials:					
Other Materials:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		ft			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1004950934			
Layer:		1			
Plug From:		-5			
Plug To:		15			
Plug Depth UOM:		ft			
--		--			
Plug ID:		1004950935			
Layer:		2			
Plug From:		15			
Plug To:		45			
Plug Depth UOM:		ft			
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Plug ID:		1004950936			
Layer:		3			
Plug From:		45			
Plug To:		105			
Plug Depth UOM:		ft			
--		--			
Plug ID:		1004950937			
Layer:		4			
Plug From:		105			
Plug To:		136			
Plug Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1004950933			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		1004950926			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1004950930			
Layer:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1004950931			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
--		--			
Hole Diameter					
--		--			
Hole ID:		1004950928			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Borehole ID:	809224			Type: Borehole	
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone:: 18	
Easting::	463005.74			Northing:: 5036840.15	
Location Accuracy::				Orig. Ground Elev m:: 86.2	
Elev. Reliability Note::				DEM Ground Elev m:: 87.5	
Total Depth m::	3.7			Primary Name:: BH 03-102	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	03-OCT-2003			Static Water Level:: -999.9	
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218599302			Top Depth(m): 0.0	
Bottom Depth(m):	0.1			Stratum Desc: Grey Crushed Stone	
Stratum ID:	218599303			Top Depth(m): 0.1	
Bottom Depth(m):	0.3			Stratum Desc: Brown Fill-Misc Sand - Gravel	
Stratum ID:	218599304			Top Depth(m): 0.3	
Bottom Depth(m):	0.5			Stratum Desc: Brown Fill-Misc Silty Clay	
Stratum ID:	218599305			Top Depth(m): 0.5	
Bottom Depth(m):	0.6			Stratum Desc: Dark Brown Topsoil Silt	
Stratum ID:	218599306			Top Depth(m): 0.6	
Bottom Depth(m):	0.8			Stratum Desc: Light Brown clay silt	
Stratum ID:	218599307			Top Depth(m): 0.8	
Bottom Depth(m):	3.7			Stratum Desc: Grey-Brown to Reddish Brown Very Stiff Weathered Crust Silty Clay	

10	1 of 13	S/116.1	86.1	Crown Pointe Animal Hospital 900 Watters Rd unit 8 Ottawa ON K4A 0B4	GEN
PO Box Num:					
Status:					
Country:					
Generator #: ON5562123					
Approval Yrs:: As of April 2014					
SIC Code:					
SIC Description:					
--Details--					
Waste Code: 312					
Waste Description: Pathological wastes					

10	2 of 13	S/116.1	86.1	Crown Pointe Animal Hospital 900 Watters Rd unit 8 Ottawa ON K4A 0B4	GEN
PO Box Num:					
Status:					
Country:					
Generator #: ON5562123					
Approval Yrs:: 07,08					
SIC Code: 622111					
SIC Description: General (except Paediatric) Hospitals					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--Details--					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
10	3 of 13	S/116.1	86.1	Euforia Family Health Organization 11-900 Watters Rd. Orleans ON K4A 0B4	GEN
	PO Box Num:				
	Status:				
	Country:				
	Generator #:	ON8628124			
	Approval Yrs.:	As of May 2015			
	SIC Code:				
	SIC Description:				
--Details--					
	Waste Code:	312			
	Waste Description:	Pathological wastes			
10	4 of 13	S/116.1	86.1	Crown Pointe Animal Hospital 900 Watters Rd unit 8 Ottawa ON K4A 0B4	GEN
	PO Box Num:				
	Status:				
	Country:				
	Generator #:	ON5562123			
	Approval Yrs.:	2009			
	SIC Code:	622111			
	SIC Description:	General (except Paediatric) Hospitals			
--Details--					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
10	5 of 13	S/116.1	86.1	2052663 Ontario Inc. 11-900 Watters Rd. Orleans ON K4A 0B4	GEN
	PO Box Num:				
	Status:				
	Country:				
	Generator #:	ON8628124			
	Approval Yrs.:	2010			
	SIC Code:	621110			
	SIC Description:	Offices of Physicians			
--Details--					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
10	6 of 13	S/116.1	86.1	Crown Pointe Animal Hospital 900 Watters Rd unit 8 Ottawa ON K4A 0B4	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
PO Box Num: Status: Country: Generator #: ON5562123 Approval Yrs:: 2010 SIC Code: 622111 SIC Description: General (except Paediatric) Hospitals --Details-- Waste Code: 312 Waste Description: PATHOLOGICAL WASTES					
10	7 of 13	S/116.1	86.1	2052663 Ontario Inc. 11-900 Watters Rd. Orleans ON K4A 0B4	GEN
PO Box Num: Status: Country: Generator #: ON8628124 Approval Yrs:: 2011 SIC Code: 621110 SIC Description: Offices of Physicians --Details-- Waste Code: 312 Waste Description: PATHOLOGICAL WASTES					
10	8 of 13	S/116.1	86.1	Crown Pointe Animal Hospital 900 Watters Rd unit 8 Ottawa ON K4A 0B4	GEN
PO Box Num: Status: Country: Generator #: ON5562123 Approval Yrs:: 2011 SIC Code: 622111 SIC Description: General (except Paediatric) Hospitals --Details-- Waste Code: 312 Waste Description: PATHOLOGICAL WASTES					
10	9 of 13	S/116.1	86.1	2052663 Ontario Inc. 11-900 Watters Rd. Orleans ON K4A 0B4	GEN
PO Box Num: Status: Country: Generator #: ON8628124 Approval Yrs:: 2012 SIC Code: 621110 SIC Description: Offices of Physicians --Details--					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
10	10 of 13	S/116.1	86.1	Crown Pointe Animal Hospital 900 Watters Rd unit 8 Ottawa ON K4A 0B4	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON5562123			
Approval Yrs.:		2012			
SIC Code:		622111			
SIC Description:		General (except Paediatric) Hospitals			
--Details--					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
10	11 of 13	S/116.1	86.1	TORA ORLEANS (WATTERS) LIMITED, O/A GIANT TIGER #155 900 WATTERS ROAD ORLEANS ON K4A 0B4	PES
Detail Licence No.:					
Licence Type:		Limited Vendor			
10	12 of 13	S/116.1	86.1	TORA ORLEANS (WATTERS) LIMITED, O/A GIANT TIGER #155 900 WATTERS ROAD ORLEANS ON K4A 0B4	PES
Detail Licence No.:					
Licence Type:		Vendor			
10	13 of 13	S/116.1	86.1	TORA ORLEANS (WATTERS) LIMITED, O/A GIANT TIGER #155 900 WATTERS ROAD ORLEANS ON K4A 0B4	PES
Detail Licence No.:		23-01-14188-0			
Licence Type:		LIMITED			
11	1 of 1	ESE/123.8	85.6	lot C con 9 ON	WWIS
Well ID:		1518122		Lot:	C
Construction Date:				Concession:	09
Primary Water Use:		Domestic		Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:		Water Supply		Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:		CUMBERLAND TOWNSHIP		UTM Reliability:	
County:		OTTAWA-CARLETON			
Bore Hole Information					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--	--				
Bore Hole ID:		10039993			
DP2BR:		86			
Code OB:		r			
Code OB Description:		Bedrock			
Open Hole:					
Date Completed:		21-DEC-82			
Remarks:					
Zone:		18			
East 83:		463029.8			
North 83:		5036721			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		p4			
Org CS:					
Elevation:		88.04			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:		931037424			
Layer:		1			
General Color:		RED			
Most Common Material:		CLAY			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		22			
Formation End Depth UOM:		ft			
--	--				
Formation ID:		931037425			
Layer:		2			
General Color:		GREY			
Most Common Material:		CLAY			
Other Materials:					
Other Materials:					
Formation Top Depth:		22			
Formation End Depth:		78			
Formation End Depth UOM:		ft			
--	--				
Formation ID:		931037426			
Layer:		3			
General Color:		GREY			
Most Common Material:		FINE SAND			
Other Materials:		GRAVEL			
Other Materials:					
Formation Top Depth:		78			
Formation End Depth:		86			
Formation End Depth UOM:		ft			
--	--				
Formation ID:		931037427			
Layer:		4			
General Color:		GREY			
Most Common Material:		LIMESTONE			
Other Materials:		STONES			
Other Materials:					
Formation Top Depth:		86			
Formation End Depth:		90			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		961518122			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		10588563			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930069861			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		86			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		991518122			
Pump Set At:					
Static Level:		18			
Final Level After Pumping:		28			
Recommended Pump Depth:		70			
Pumping Rate:		15			
Flowing Rate:					
Recommended Pump Rate:		12			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		2			
Pumping Duration HR:		1			
Pumping Duration MIN:		30			
Flowing:		N			
--		--			
Draw Down & Recovery					
--		--			
Pump Test Detail ID:		934103442			
Pump Test ID:		991518122			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		20			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934377778			
Pump Test ID:		991518122			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		26			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934639258			
Pump Test ID:		991518122			
Test Type:		Draw Down			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Test Duration:		45			
Test Level:		28			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934897302			
Pump Test ID:		991518122			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		28			
Test Level UOM:		ft			
--		--			
--		--			
Water Details					
--		--			
Water ID:		933474768			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		88			
Water Found Depth UOM:		ft			
--		--			
--		--			

12	1 of 1	SW/138.5	85.9	DOUGLAS MACDONALD DEV. CORP.-PT.LOT C WATTERS RD./MONTCREST DR. CUMBERLAND TWP. ON	CA
--------------------	--------	----------	------	--	----

Certificate #: 3-0911-92-
Application Year: 92
Issue Date: 8/21/1992
Approval Type: Municipal sewage
Status: Revised
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

13	1 of 1	WSW/139.2	87.0	lot C con 9 ON	WWIS
--------------------	--------	-----------	------	-------------------	------

Well ID:	1515222	Lot:	C
Construction Date:		Concession:	09
Primary Water Use:	Domestic	Concession Name:	CON
Sec. Water Use:		Easting NAD83:	
Final Well Status:	Water Supply	Northing NAD83:	
Specific Capacity:		Zone:	
Municipality:	CUMBERLAND TOWNSHIP	UTM Reliability:	
County:	OTTAWA-CARLETON		

Bore Hole Information

--
Bore Hole ID: 10037181
DP2BR: 57
Code OB: r
Code OB Description: Bedrock
Open Hole:
Date Completed: 25-NOV-75
Remarks:
Zone: 18

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
East 83:		462788.8			
North 83:		5036722			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		p4			
Org CS:					
Elevation:		88.13			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		931028581			
Layer:		1			
General Color:		GREY			
Most Common Material:		CLAY			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		48			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		931028582			
Layer:		2			
General Color:		GREY			
Most Common Material:		BOULDERS			
Other Materials:					
Other Materials:					
Formation Top Depth:		48			
Formation End Depth:		52			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		931028583			
Layer:		3			
General Color:		GREY			
Most Common Material:		GRAVEL			
Other Materials:					
Other Materials:					
Formation Top Depth:		52			
Formation End Depth:		57			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		931028584			
Layer:		4			
General Color:		GREY			
Most Common Material:		SLATE			
Other Materials:					
Other Materials:					
Formation Top Depth:		57			
Formation End Depth:		66			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		961515222			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
--	--	--	--	--	--
Pipe Information					
--	--	--	--	--	--
Pipe ID:		10585751			
Casing Number:		1			
Comment:					
Alt Name:					
--	--	--	--	--	--
Construction Record - Casing					
--	--	--	--	--	--
Casing ID:		930065661			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		59			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--	--	--	--	--	--
Well Yield Testing					
--	--	--	--	--	--
Pump Test ID:		991515222			
Pump Set At:					
Static Level:		20			
Final Level After Pumping:		30			
Recommended Pump Depth:		50			
Pumping Rate:		30			
Flowing Rate:					
Recommended Pump Rate:		10			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		N			
--	--	--	--	--	--
Draw Down & Recovery					
--	--	--	--	--	--
Pump Test Detail ID:		934100038			
Pump Test ID:		991515222			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		20			
Test Level UOM:		ft			
--	--	--	--	--	--
Pump Test Detail ID:		934375960			
Pump Test ID:		991515222			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		20			
Test Level UOM:		ft			
--	--	--	--	--	--
Pump Test Detail ID:		934646261			
Pump Test ID:		991515222			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		20			
Test Level UOM:		ft			
--	--	--	--	--	--
Pump Test Detail ID:		934894967			
Pump Test ID:		991515222			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		20			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Test Level UOM:		ft			
--		--			
--		--			
Water Details					
--		--			
Water ID:		933471247			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		66			
Water Found Depth UOM:		ft			
--		--			
--		--			
14	1 of 1	NE/158.3	83.7	Trim Rd & Watters Rd Orleans ON	EHS
Postal Code:					
City:					
Address2:					
Address1:					
Provstate:					
Order No.:		20120417023			
Addit. Info Ordered::		Fire Insur. Maps and/or Site Plans; Title Searches; City Directory			
Report Date:		4/26/2012 12:07:07 PM			
Report Type:		Standard Report			
Search Radius (km):		0.25			
15	1 of 4	SSE/160.1	86.4	2052663 Ontario Inc. 11-900 Watters Rd. Orleans ON	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON8628124			
Approval Yrs.:		2013			
SIC Code:		621110			
SIC Description:		OFFICES OF PHYSICIANS			
--Details--					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
15	2 of 4	SSE/160.1	86.4	Crown Pointe Animal Hospital 900 Watters Rd unit 8 Ottawa ON	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON5562123			
Approval Yrs.:		2013			
SIC Code:		622111			
SIC Description:		GENERAL (EXCEPT PAEDIATRIC) HOSPITALS			
--Details--					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
15	3 of 4	SSE/160.1	86.4	Euforia Family Health Organization 11-900 Watters Rd. Orleans ON K4A 0B4	GEN
PO Box Num:					
Status: Registered					
Country: Canada					
Generator #: ON8628124					
Approval Yrs.: As of Sep 2016					
SIC Code:					
SIC Description:					
--Details--					
Waste Code: 312 P					
Waste Description: Pathological wastes					
15	4 of 4	SSE/160.1	86.4	Crown Pointe Animal Hospital 900 Watters Rd unit 8 Ottawa ON K4A 0B4	GEN
PO Box Num:					
Status: Registered					
Country: Canada					
Generator #: ON5562123					
Approval Yrs.: As of Sep 2016					
SIC Code:					
SIC Description:					
--Details--					
Waste Code: 312 P					
Waste Description: Pathological wastes					
16	1 of 1	ENE/170.2	84.4	ON	BORE
Borehole ID: 809225					
Use: Geotechnical/Geological Investigation					
Drill Method.: Hollow stem auger					
Easting.: 463064.72					
Location Accuracy.:					
Elev. Reliability Note.:					
Total Depth m.: 3.7					
Township.:					
Lot.:					
Completion Date.: 05-OCT-2003					
Primary Water Use.:					
Type: Borehole					
Status.:					
UTM Zone.: 18					
Northing.: 5036860.04					
Orig. Ground Elev m.: 84.7					
DEM Ground Elev m.: 86					
Primary Name.: BH 03-103					
Concession.:					
Municipality:					
Static Water Level.: -999.9					
Sec. Water Use.:					
--Details--					
Stratum ID: 218599308					
Bottom Depth(m): 0.1					
Top Depth(m): 0.0					
Stratum Desc: Grey Crushed Stone					
Stratum ID: 218599309					
Bottom Depth(m): 0.5					
Top Depth(m): 0.1					
Stratum Desc: Brown Fill-Misc Sand - Gravel					
Stratum ID: 218599310					
Bottom Depth(m): 3.0					
Top Depth(m): 0.5					
Stratum Desc: Grey-Brown to Reddish Brown Very Stiff to Stiff Weathered Crust Silty Clay					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID:	218599311			Top Depth(m):	3.0
Bottom Depth(m):	3.7			Stratum Desc:	Grey Firm to Stiff Silty Clay

17	1 of 1	SW/237.1	88.1	lot C con 9 ON	WWIS
Well ID:	1512780			Lot:	C
Construction Date:				Concession:	09
Primary Water Use:	Livestock			Concession Name:	CON
Sec. Water Use:	Domestic			Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	CUMBERLAND TOWNSHIP			UTM Reliability:	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	10034768				
DP2BR:					
Code OB:	o				
Code OB Description:	Overburden				
Open Hole:					
Date Completed:	08-OCT-54				
Remarks:					
Zone:	18				
East 83:	462728.8				
North 83:	5036631				
UTMRC:	9				
UTMRC Description:	unknown UTM				
Location Method:	p9				
Org CS:					
Elevation:	88.44				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:	931021530				
Layer:	1				
General Color:	BLUE				
Most Common Material:	CLAY				
Other Materials:	GRAVEL				
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	159				
Formation End Depth UOM:	ft				
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	961512780				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
--	--				
Pipe Information					
--	--				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Pipe ID:		10583338			
Casing Number:		1			
Comment:					
Alt Name:		--			
Construction Record - Casing		--			
Casing ID:		930061598			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		159			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
Well Yield Testing		--			
Pump Test ID:		991512780			
Pump Set At:					
Static Level:		23			
Final Level After Pumping:		42			
Recommended Pump Depth:					
Pumping Rate:		2			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		3			
Pumping Duration MIN:		0			
Flowing:		N			
Water Details		--			
Water ID:		933468272			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		23			
Water Found Depth UOM:		ft			
		--			
		--			

[18](#)

1 of 1

ENE/239.9

85.8

418 SULTAN STREET
OTTAWA ON K4A 0K1

HINC

External File Num: FS INC 0809-05115
Date of Occurrence: 9/2/2008
Fuel Occurrence Type: Pipeline Strike
Fuel Type Involved: Natural Gas
Status Desc:: Completed - Causal Analysis(End)
Job Type Desc:: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:: Private Dwelling
Service Interruptions:: Yes
Property Damage:: No
Fuel Life Cycle Stage:: Utilization
Root Cause:: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:Yes Training:No
Management:No Human Factors:No
Reported Details::
Fuel Category:: Gaseous Fuel
Occurrence Type:: Incident
Affiliation:: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<i>County Name::</i>		Ottawa			
<i>Approx. Quant. Rel::</i>					
<i>Nearby body of water::</i>					
<i>Enter Drainage Syst::</i>					
<i>Approx. Quant. Unit::</i>					
<i>Environmental Impact::</i>					

Unplottable Summary

Total: **37** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	CARLETON BOARD OF EDUCATION	LOT C/CONC.9, NEW SURREY (SWM)	CUMBERLAND TWP. ON	
CA	DIAMONDVIEW DEVELOPMENT INC.	MONTCREST DR. RIDGEMONT SUBD.	CUMBERLAND TWP. ON	
CA	DOUGLAS MACDONALD DEVELOPMENT CORPORATIO	WATTERS ROAD	CUMBERLAND TWP. ON	
CA	DIAMONDVIEW DEVELOPMENT INC.	MONTCREST DR. RIDGEMONT SUBD.	CUMBERLAND TWP. ON	
CA	ASELFORD MARTIN-BRAMALEA LTD. PHASE IV	MONTCREST DR. ROTHWELL FARM	CUMBERLAND TWP. ON	
CA	IBER DEVELOPMENTS INC.-BLOCK 297 50M-161	TOWNHOUSES-MONTCREST DR.&WATTE	CUMBERLAND TWP. ON	
CA	JEAN SICOTTE IN TRUST	SHAWINIGAN ST.JEAN SICOTTE SUB	CUMBERLAND TWP. ON	
CA	JEAN SICOTTE IN TRUST	SHAWINIGAN ST.JEAN SICOTTE SUB	CUMBERLAND TWP. ON	
CA	c.M. OF OTTAWA-CARLETON-TRANSPORT. DEPT.	RR # 57(TRIM RD.)/RR # 34	CUMBERLAND TWP. ON	
CA	QUEENSWOOD LAND ASSOCIATES	WATTERS RD.	CUMBERLAND TWP. ON	
CA	QUEENSWOOD LAND ASSOCIATES	WATTERS RD.	CUMBERLAND TWP. ON	
CA	DOUGLAS MACDONALD DEV. CORP.-PT.LOT C	WATTERS RD./STM-WATER MGT.POND	CUMBERLAND TWP. ON	
CA	DOUGLAS MACDONALD DEVELOPMENT CORPORATIO	WATTERS ROAD	CUMBERLAND TWP. ON	
CA	DIAMONDVIEW DEVELOPMENT INC.	MONTCREST DR. RIDGEMONT SUBD.	CUMBERLAND TWP. ON	
CONV	IMPERIAL OIL LIMITED		DON MILLS ON	
CONV	IMPERIAL OIL LIMITED		NORTH YORK ON	
ECA	Mattamy (Fernbank) Limited	Lot 29	City of Ottawa ON	

ECA	City of Ottawa	Trim Road	City of Ottawa ON
GEN	Hydro One Networks Inc	Navin DS Trim Road	Ottawa ON
GEN	Hydro One Networks Inc	Navin DS Trim Road	Ottawa ON
GEN	Hydro One Networks Inc	Navin DS Trim Road	Ottawa ON
GEN	Hydro One Networks Inc	Navin DS Trim Road	Ottawa ON
NATE	ASPECESSO		OTTAWA ON
NEES	ASPECESSO		OTTAWA ON
NEES	ESSO PETROLEUM		OTTAWA CITY ON
NEES	IMPERIAL OIL		OTTAWA CITY ON
NEES	ESSO PETROLEUM		OTTAWA CITY ON
SPL	Esso Petroleum Canada, A Division of Imperial Oil Limited	Nepean	Ottawa ON
SPL	Glen Tay Transportation GP Inc.	and Trim Road	Ottawa ON
SPL	UNKNOWN	REG RD 57	CUMBERLAND TOWNSHIP ON
SPL	ESSO PETROLEUM CANADA	ESSO DISTRIBUTION STATION BULK STATION	OTTAWA CITY ON
SPL	ESSO PETROLEUM CANADA	TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON
SPL	ESSO PETROLEUM CANADA	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	ESSO PETROLEUM CANADA	BULK STATION	OTTAWA CITY ON
SPL	ESSO AVITAT		OTTAWA CITY ON
SPL	ESSO AVITAT		OTTAWA CITY ON
WWIS			OTTAWA ON

Unplottable Report

Site: CARLETON BOARD OF EDUCATION
LOT C/CONC.9, NEW SURREY (SWM) CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-1317-93-
Application Year: 93
Issue Date: 12/23/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: DIAMONDVIEW DEVELOPMENT INC.
MONTCREST DR. RIDGEMONT SUBD. CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-1894-87-
Application Year: 87
Issue Date: 10/22/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: DOUGLAS MACDONALD DEVELOPMENT CORPORATIO
WATTERS ROAD CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-0640-89-
Application Year: 89
Issue Date: 4/21/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: DIAMONDVIEW DEVELOPMENT INC.
MONTCREST DR. RIDGEMONT SUBD. CUMBERLAND TWP. ON

Database:
CA

Certificate #: 7-1434-87-
Application Year: 87

Issue Date: 9/25/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ASELFORD MARTIN-BRAMALEA LTD. PHASE IV
MONTCREST DR. ROTHWELL FARM CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-0803-87-
Application Year: 87
Issue Date: 5/25/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: IBER DEVELOPMENTS INC.-BLOCK 297 50M-161
TOWNHOUSES-MONTCREST DR.&WATTE CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-0586-90-
Application Year: 90
Issue Date: 4/12/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: JEAN SICOTTE IN TRUST
SHAWINIGAN ST.JEAN SICOTTE SUB CUMBERLAND TWP. ON

Database:
CA

Certificate #: 7-1466-89-
Application Year: 89
Issue Date: 8/28/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: JEAN SICOTTE IN TRUST
SHAWINIGAN ST.JEAN SICOTTE SUB CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-1772-89-
Application Year: 89
Issue Date: 8/28/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: c.M. OF OTTAWA-CARLETON-TRANSPORT. DEPT.
RR # 57(TRIM RD.)/RR # 34 CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-0857-91-
Application Year: 91
Issue Date: 7/10/1991
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: QUEENSWOOD LAND ASSOCIATES
WATERS RD. CUMBERLAND TWP. ON

Database:
CA

Certificate #: 7-0304-88-
Application Year: 88
Issue Date: 3/17/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: QUEENSWOOD LAND ASSOCIATES
WATERS RD. CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-0350-88-
Application Year: 88
Issue Date: 3/17/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::

Contaminants::
Emission Control::

Site: DOUGLAS MACDONALD DEV. CORP.-PT.LOT C
WATERS RD./STM-WATER MGT.POND CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-0777-92-
Application Year: 92
Issue Date: 7/22/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: DOUGLAS MACDONALD DEVELOPMENT CORPORATIO
WATERS ROAD CUMBERLAND TWP. ON

Database:
CA

Certificate #: 7-0571-89-
Application Year: 89
Issue Date: 4/21/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: DIAMONDVIEW DEVELOPMENT INC.
MONTCREST DR. RIDGEMONT SUBD. CUMBERLAND TWP. ON

Database:
CA

Certificate #: 3-1729-87-
Application Year: 87
Issue Date: 9/25/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: IMPERIAL OIL LIMITED
DON MILLS ON

Database:
CONV

File No.:
Publication Title:
Publication City:
Url:
Crown Brief No.:
Ministry District:

Region: EASTERN REGION
Description: FAILED TO COMPLY WITH CONDITIONS OF C. OF A.

--Details--

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date Charged: 6/4/93
Charge Disposition:
Fine: \$6,000

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date Charged: 6/4/93
Charge Disposition:
Fine: \$6,000

Site: IMPERIAL OIL LIMITED
NORTH YORK ON

Database:
CONV

File No.:
Publication Title:
Publication City:
Url:
Crown Brief No.:
Ministry District:
Region: EASTERN REGION
Description: FAILED TO INSPECT OIL/WATER SEPARATOR WEEKLY & MAINTAIN LOG BOOK AT SITE

--Details--

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date Charged: 6/4/93
Charge Disposition:
Fine: \$1,000

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date Charged: 6/4/93
Charge Disposition:
Fine: \$4,000

Site: Mattamy (Fernbank) Limited
Lot 29 City of Ottawa ON

Database:
ECA

Approval No: 1350-A6QM2B
Project Type: Municipal and Private Sewage Works
Date: 2016-02-04
Status: Approved
Longitude:

Latitude:

Record Type:

PDF URL:

Full Address:

https://www.accessenvironment.ene.gov.on.ca/instruments/8227-A5UKLL-14.pdf
Property Lot 29, Concession 11 (JD Barnes M-Plan) City of Ottawa, Ontario

Site: *City of Ottawa*
Trim Road City of Ottawa ON

Database:
ECA

Approval No: 8335-9KDQHS
Project Type: Municipal and Private Sewage
Date: 6/5/14
Status: Approved
Longitude:
Latitude:
Record Type:
PDF URL:
Full Address: Trim Road City of Ottawa

Site: *Hydro One Networks Inc*
Navin DS Trim Road Ottawa ON

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON2571108
Approval Yrs:: 2011
SIC Code: 221122
SIC Description: Electric Power Distribution

--Details--

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: *Hydro One Networks Inc*
Navin DS Trim Road Ottawa ON

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON2571108
Approval Yrs:: 2009
SIC Code: 221122
SIC Description: Electric Power Distribution

--Details--

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: *Hydro One Networks Inc*
Navin DS Trim Road Ottawa ON

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON2571108
Approval Yrs:: 2012
SIC Code: 221122
SIC Description: Electric Power Distribution

--Details--

Waste Code: 251

Waste Description: OIL SKIMMINGS & SLUDGES

Site: Hydro One Networks Inc
Navin DS Trim Road Ottawa ON

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON2571108
Approval Yrs:: 2010
SIC Code: 221122
SIC Description: Electric Power Distribution

--Details--

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: ASPECESSO
OTTAWA ON

Database:
NATE

File No.: MOE79480
Reported By: Province
Material Reaction::
Spill Date: 791022
Lead Agency:
Basin:: St. Lawrence River Drainage
Air::
DOE on Scene:
Land:: Y
Fresh Water::
Ground Water::
Salt Water::
Other Environment::
Waterbody::
Cause:: Underground Tank Leak
Reason:: Corrosion
Source:: Service Station
Sector:: Petroleum
Ship No.:
Ship Name::
Clean Up By:: polluter
Disposal Method:: unknown
Recovery %:: 80.00
Act Invoked:: Unknown
Enforcement Resp::
Fish Kill:: N
Oiled Birds:: N
Other Kill:: N
Vegetation Damage:: N
Property Damage:: N
Drinking Water:: N
Income Loss:: N
Other Consequences:: N
No. of Injuries::
No. of Evacuations::
Fine:
No. of Dead:
Cleanup Cost::
Material: gasoline
Amount (ton)::
Volume (L)::
Concentration::
Phase:
Additional Info:

Site: ASPECESSO
OTTAWA ON

Database:
NEES

Incident Date: 10/22/79
Contaminant: gasoline
Amount::
Units::
Quantity::
Cause:: Underground Tank Leak
Source:: Service Station
Reason:: Corrosion
Sector:: Petroleum

Site: ESSO PETROLEUM
OTTAWA CITY ON

Database:
NEES

Incident Date: 2/10/89
Contaminant: GASOLINE
Amount:: 0
Units:: Valve, Fitting Leak
Quantity::
Cause:: Unknown
Source:: Service Station
Reason::
Sector:: Petroleum

Site: IMPERIAL OIL
OTTAWA CITY ON

Database:
NEES

Incident Date: 1/8/88
Contaminant: UNKNOWN
Amount:: 0
Units:: OA
Quantity::
Cause:: Unknown
Source:: Tank Truck
Reason::
Sector:: Petroleum

Site: ESSO PETROLEUM
OTTAWA CITY ON

Database:
NEES

Incident Date: 4/19/89
Contaminant: GASOLINE
Amount:: 0
Units:: Valve, Fitting Leak
Quantity::
Cause:: Unknown
Source:: Service Station
Reason::
Sector:: Petroleum

Site: Esso Petroleum Canada, A Division of Imperial Oil Limited
Nepean Ottawa ON

Database:
SPL

Ref No: 0874-78WNRU
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 8 L
Incident Cause: Pipe Or Hose Leak
Incident Dt:
Incident Reason: Equipment Failure
Incident Summary: Errentom Tanklines - 8L diesel to grd

MOE Reported Dt: 11/13/2007
Environmental Impact: Confirmed
Nature of Impact: soil contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type: Tank Truck
Receiving Environment:
Incident Event:
Site Municipality: Ottawa

Site: **Glen Tay Transportation GP Inc.
and Trim Road Ottawa ON**

Database:
SPL

Ref No: 5226-9MB49B
Contaminant Code: 99
Contaminant Name: SAND/GRAVEL
Contaminant Quantity: 200 kg
Incident Cause: Collision/Accident
Incident Dt: 2014/07/23
Incident Reason: Operator/Human Error
Incident Summary: Glen Tay Transportation: ukn diesel to ditch
MOE Reported Dt: 2014/07/23
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Truck - Transport/Hauling
Receiving Environment:
Incident Event:
Site Municipality: Ottawa

Site: **UNKNOWN
REG RD 57 CUMBERLAND TOWNSHIP ON**

Database:
SPL

Ref No: 92704
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 10/24/1993
Incident Reason: VANDALISM
Incident Summary: 25 4 L PAILS OF UNKNOWN CHEMICAL LEFT AT SIDE OF ROAD. 1 RUPTURED.
MOE Reported Dt: 10/24/1993
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20601

Site: **ESSO PETROLEUM CANADA
ESSO DISTRIBUTION STATION BULK STATION OTTAWA CITY ON**

Database:
SPL

Ref No: 46877
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 2/21/1991
Incident Reason: ERROR
Incident Summary: ESSO DISTRIB. STATION - 50 L FURNACE OIL SPILLED TO LOADING DOCK. OV/FILL.
MOE Reported Dt: 2/21/1991
Environmental Impact: NOT ANTICIPATED

Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: **ESSO PETROLEUM CANADA**
TRANSPORT TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 59519
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 11/7/1991
Incident Reason: ERROR
Incident Summary: ESSO-3 LITRES DIESEL FUEL TO GRND UNDER LOADING RACK, COUPLING NOT CLOSED
MOE Reported Dt: 11/7/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: **ESSO PETROLEUM CANADA**
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 47843
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 3/19/1991
Incident Reason: ERROR
Incident Summary: ESSO HOME COMFORT - TANK TRUCK SPILLED APPROX 1 L. HEATING OIL ON GROUND
MOE Reported Dt: 3/20/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: **ESSO PETROLEUM CANADA**
BULK STATION OTTAWA CITY ON

Database:
SPL

Ref No: 155190
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CAUSE (N.O.S.)
Incident Dt: 5/1/1998
Incident Reason: NEGLIGENCE (APPARENT)
Incident Summary: ESSO-156 L DIESEL TO LOT, LOADING ARM NOT IN TRUCKS COMPARTMENT, PUMP STARTED.
MOE Reported Dt: 5/1/1998
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND

SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: ESSO AVITAT
OTTAWA CITY ON

Database:
SPL

Ref No: 169810
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 7/4/1999
Incident Reason: OVERSTRESS/OVERPRESSURE
Incident Summary: ESSO AVITAT: 5 L JET A1 FUEL SPILL TO GROUND CONTAINED, CLEANED UP
MOE Reported Dt: 7/5/1999
Environmental Impact: NOT ANTICIPATED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: ESSO AVITAT
OTTAWA CITY ON

Database:
SPL

Ref No: 170215
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 7/14/1999
Incident Reason: NEGLIGENCE (APPARENT)
Incident Summary: ESSO AVITAT: JET A-1 FUELSPILL TO GRD. 180 L MAINTENANCE ERROR CLEANED
MOE Reported Dt: 7/15/1999
Environmental Impact: NOT ANTICIPATED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: OTTAWA ON

Database:
WWIS

Well ID: 1536378
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Specific Capacity:
Municipality:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

--
Bore Hole ID: 11550444
DP2BR:
Code OB: --

Code OB Description: No formation data
Open Hole:
Date Completed: 02-MAY-06
Remarks:
Zone:
East 83:
North 83:
UTMRC: 9
UTMRC Description: unknown UTM
Location Method: na
Org CS:
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
 -- --
Annular Space/Abandonment Sealing Record
 -- --
Plug ID: 933294616
Layer: 1
Plug From: 0
Plug To: .61
Plug Depth UOM: m
 -- --
Plug ID: 933294617
Layer: 2
Plug From: 2.1
Plug To: .61
Plug Depth UOM: m
 -- --
Method of Construction & Well Use
 -- --
Method Construction ID: 961536378
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:
 -- --
Pipe Information
 -- --
Pipe ID: 11560051
Casing Number: 1
Comment:
Alt Name:
Hole Diameter
 -- --
Hole ID: 11681151
Diameter:
Depth From: 80
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm
 -- --
Hole ID: 11681150
Diameter: 2.1
Depth From:
Depth To: 0
Hole Depth UOM: m
Hole Diameter UOM: cm
 -- --
 -- --

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

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

Government Publication Date: Up to Sep 2016

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-Nov 2016

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

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 - Oct 2016

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 2014

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*

Commercial Fuel Oil Tanks:

Provincial [CFOT](#)

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Government Publication Date: Feb 28, 2017

Chemical Register:

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 - Oct 2016

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 31, 2012

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-May 2017

Certificates of Property Use:

Provincial [CPU](#)

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

Government Publication Date: 1994-Jun 2017

Drill Hole Database:

Provincial [DRL](#)

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

Government Publication Date: 1886-Aug 2015

Environmental Activity and Sector Registry:

Provincial [EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Mar 2017

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-Jun2017

Environmental Compliance Approval:

Provincial **ECA**

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011-Mar 2017

Environmental Effects Monitoring:

Federal **EEM**

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private **EHS**

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

Government Publication Date: 1999-Aug 2016

Environmental Issues Inventory System:

Federal **EIIS**

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities:

Provincial **EXP**

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Feb 28, 2017

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.

Government Publication Date: Jun 2000-Mar 2017

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-Sept 2003

Fuel Storage Tank:

Provincial **FST**

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial **FSTH**

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial **GEN**

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

Government Publication Date: 1986-Sep 2016

Greenhouse Gas Emissions from Large Facilities:

Federal **GHG**

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

Government Publication Date: 2013-Dec 2015

TSSA Historic Incidents:

Provincial **HINC**

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

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*

TSSA Incidents:

Provincial **INC**

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial **LIMO**

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Dec 31, 2013

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 2017

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

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

Government Publication Date: Dec 31, 2014

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-Aug 2010

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 National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008 - Dec 2016

National Energy Board Wells:

Federal

NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: 1993-2014

Oil and Gas Wells:

Private

OGW

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

Government Publication Date: 1988-May 2017

Ontario Oil and Gas Wells:

Provincial

OOGW

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

Government Publication Date: 1800-Oct 2016

Inventory of PCB Storage Sites:

Provincial

OPCB

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

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

Orders:

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Jun 2017

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

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: 1988-Oct 2016

TSSA Pipeline Incidents:

Provincial PINC

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Jun 2017

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: 1986-2013

Record of Site Condition:

Provincial RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Jun 2017

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 - Oct 2016

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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-Feb 2017

Wastewater Discharger Registration Database:

Provincial **SRDS**

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

Government Publication Date: 1990-2014

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-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial **VAR**

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all 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.

Government Publication Date: Feb 28, 2017

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: 1970-Mar 2017

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial **WDSH**

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial **WWIS**

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

Government Publication Date: Jun 30, 2016

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.

Measurements recorded in: Metric Imperial

Well Owner's Information

First Name: City of Last Name / Organization: OTTAWA Corporation E-mail Address: Co-Co Paving Well Constructed by Well Owner

Mailing Address (Street Number/Name): 100 Constellation Dr. Municipality: OTTAWA Province: ONTARIO Postal Code: K2G6J8 Telephone No. (inc. area code): 6135802424

Well Location

Address of Well Location (Street Number/Name): 1465 Trim Rd Township: OTTAWA Lot: _____ Concession: _____

County/District/Municipality: District of OTTAWA City/Town/Village: Orlean Province: Ontario Postal Code: _____

UTM Coordinates: Zone: 18 Easting: 462937 Northing: 5036872 Municipal Plan and Sublot Number: _____ Other: _____

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
				From To
	Clear	3/4 Stone	1 Bucket	-5 15 Ft
	Bentonite	Hole Plug	10 BAGS	15 45 Ft
	Clear	Clear Stone	2 Bucket	45 105 Ft
	Bentonite	Hole Plug	10 BAGS	105 Ft 136 Ft
Abandonment of 6 inch diam. Drilled well 136 Ft depth				

Annular Space

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
From To		

Results of Well Yield Testing

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: _____	Static Level			
	1		1	
	Pump intake set at (m/ft)	2	2	
	Pumping rate (l/min / GPM)	3	3	
	Duration of pumping _____ hrs + _____ min	4	4	
	Final water level end of pumping (m/ft)	5	5	
If flowing give rate (l/min / GPM)	10		10	
	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
Recommended pump depth (m/ft)	50		50	
	60		60	
Recommended pump rate (l/min / GPM)				
Well production (l/min / GPM)				
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No				

Method of Construction

Cable Tool Diamond Public Commercial Not used

Rotary (Conventional) Jetting Domestic Municipal Dewatering

Rotary (Reverse) Driving Livestock Test Hole Monitoring

Boring Digging Irrigation Cooling & Air Conditioning

Air percussion Industrial Other, specify _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
					<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify <u>NOT in use</u> <input checked="" type="checkbox"/> Other, specify <u>road const.</u>

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		Status of Well
			From	To	
					<input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify <u>NOT in use</u> <input checked="" type="checkbox"/> Other, specify <u>road const.</u>

Water Details

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	From To	

Well Contractor and Well Technician Information

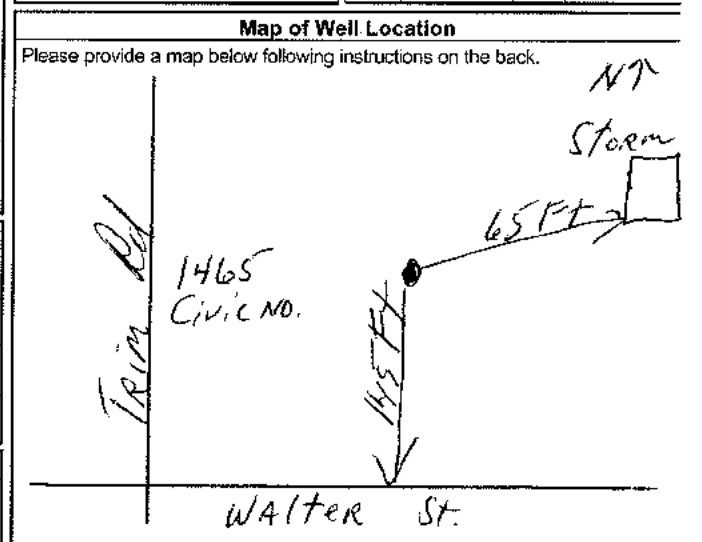
Business Name of Well Contractor: Raymond Pump & Well Well Contractor's Licence No.: 71260

Business Address (Street Number/Name): 3018, 147 main st, St-Albert Municipality: NATION

Province: ONTARIO Postal Code: K0A1C0 R Business E-mail Address: _____

Bus. Telephone No. (inc. area code): 6139872399 Name of Well Technician (Last Name, First Name): Raymond Jacques

Well Technician's Licence No.: 0264 Signature of Technician and/or Contractor: [Signature] Date Submitted: 20130619



Comments: _____

Well owner's information package delivered: Yes No

Date Package Delivered: 20130614 Date Work Completed: 20130614

Ministry Use Only

Audit No.: Z159832

NOV-26-2013

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Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue](#).

Recommended for you

[How to use a Ministry of the Environment map](#)

[Technical documentation: Metadata record](#)

[Go Back to Map](#)

Well ID

Well ID Number: 7213307

Well Audit Number: C22552

Well Tag Number: A153986

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	CUMBERLAND TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 462892 Northing: 5036681
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
----------------	----------------------	-----------------	---------------------	------------	----------

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
------------	----------	--	---------------

Method of Construction & Well Use

Method of Construction	Well Use
------------------------	----------

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
-----------------	-----------------------	------------	----------

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
------------------	----------	------------	----------

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depthRecommended pump rateWell ProductionDisinfected?**Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water DetailsWater Found at Depth Kind**Hole Diameter**

Depth From	Depth To	Diameter
------------	----------	----------

Audit Number: C22552**Date Well Completed:** October 11, 2013**Date Well Record Received by MOE:** December 17, 2013

Updated: March 20, 2017

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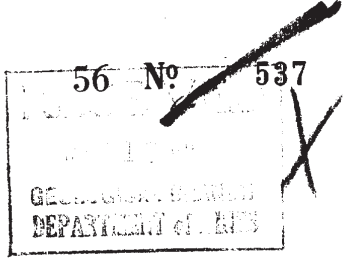


E 1671
 UTM 1182 462698 E
 9R 5036409 N
 Elev. 9R 0292
 Basin 25

319/62



1512780



The Well Drillers Act
 Department of Mines, Province of Ontario

Water Well Record

BW

County or Territorial District Russell Township, Village, Town or City Cumferland
 Con. 9 Lot C Street and Number (if in Village, Town or City)
 Owner [Redacted] Address Cumferland
 Date Completed 20 Oct 1954 Cost of Well (excluding pump)

Pipe and Casing Record	Pumping Test
Casing diameter(s) <u>4</u>	Date
Length(s) of casing(s) <u>159</u>	Static level <u>2.3</u>
Type of screen	Pumping level <u>4.2</u>
Length of screen	Pumping rate <u>150 P.M.</u>
Distance from top of screen to ground level	Duration of test <u>3 H.K.</u>
Is well a gravel-wall type?	Distance from cylinder or bowls to ground level

Water Record

	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Kind (fresh or mineral) <u>fresh</u>			
Quality (hard, soft, contains iron, sulphur, etc.) <u>hard</u>			
Appearance (clear, cloudy, coloured) <u>clear</u>	<u>2.3</u>	<u>fresh</u>	<u>136</u>
For what purpose(s) is the water to be used? <u>farm</u>			
How far is well from possible source of contamination? <u>30</u>			
What is the source of contamination? <u>Cow manure</u>			
Enclose a copy of any mineral analysis that has been made of water.			

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	...ft.
<u>Blue clay</u>	<u>0</u>	<u>139</u>
<u>well completed in coarse gravel</u>		

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.

see OVER

Situation: Is well on upland, in valley, or on hillside? upland
 Drilling Firm

Address

Name of Driller

Date May 14/55 Licence Number 365
M. G. Christy
 Signature of Licensee

UTM ¹⁶¹¹ 7182 412641 E
 51036460 N

31 G/6 e



1512781

56 No 538

Elev. 5102911

WATER WELL RECORD

Basin 251 Blssell

Township, Village, Town or City Cumberland

Con. 9

Lot C

Date completed 6 September 1966.
(day month year)

Address R.R. 1, Navan, Ont.

Casing and Screen Record

Inside diameter of casing 2"
 Total length of casing 70'
 Type of screen
 Length of screen
 Depth to top of screen
 Diameter of finished hole 2"

Pumping Test

Static level 35'
 Test-pumping rate 10 G.P.M.
 Pumping level 50'
 Duration of test pumping 2hrs.
 Water clear or cloudy at end of test clear
 Recommended pumping rate 6 G.P.M.
 with pump setting of 60 feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record	Well Log		Water Record	
	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
blue clay	0	58		
grey limestone	58	81	81	fresh

For what purpose(s) is the water to be used? domestic

Is well on upland, in valley, or on hillside? valley

Drilling or Boring Firm G. Charbonneau, Diamond & Cable Drilling,

Address R.R. 1, Box 194, Orleans, Ont.

Licence Number 2156

Name of Driller or Borer Roland Wolfe

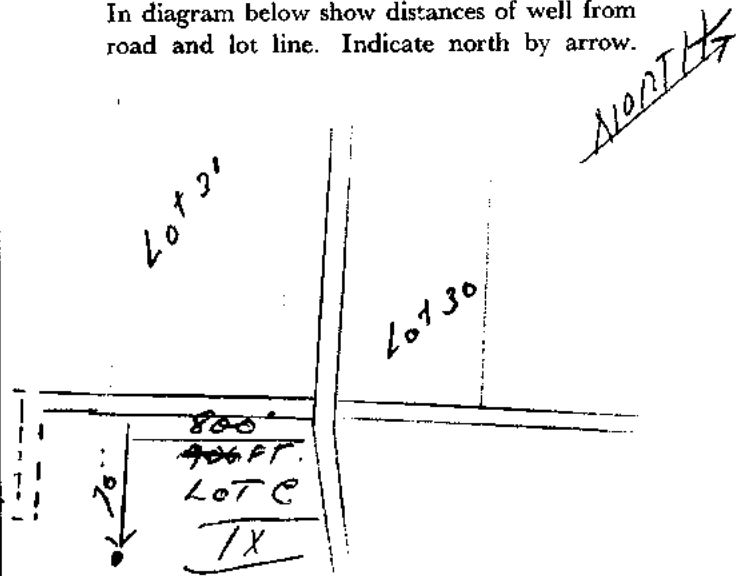
Address Clarence Creek, Ont.

Date 6 September 1966.

Géral Charbonneau
 (Signature of Licensed Drilling or Boring Contractor)

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.





Ontario

WATER WELL RECORD

316/e

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11

1515212

MUNICIPALITY 15011

CON. 15011

09

COUNTY OR DISTRICT Carleton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Cumberland	CON., BLOCK, TRACT, SURVEY ETC 9	LOT 1 C
ADDRESS R. 1, Navan, Ont.			DATE COMPLETED DAY 16 MO 07 YR 75
SPRING NO. 36522	RC 4	ELEVATION 0288	BSIN CODE 26

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
yellow	clay			0	15
blue	clay			15	60
grey	gravel			60	79
grey	slate			79	83

31	0015505	0060305	0079211	0083219
32				

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0083	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/2	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	0080
06				
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			27-30

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
	FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUT LEAD PACKER ETC.
FROM TO		
10-13		
18-21		
26-29		

71 PUMPING TEST

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE 0040 GPM	DURATION OF PUMPING 15-16 HOURS 01 17-18 MINS 00
STATIC LEVEL 030 FEET	WATER LEVEL END OF PUMPING 050 FEET	WATER LEVELS DURING
19-21	22-24	15 MINUTES 26-28 030 FEET
		30 MINUTES 29-31 030 FEET
		45 MINUTES 32-34 030 FEET
		60 MINUTES 35-37 030 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT 35 FEET	WATER AT END OF TEST
		1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE 1 <input type="checkbox"/> SHALLOW 2 <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 075 FEET	RECOMMENDED PUMPING RATE 0030 GPM

LOCATION OF WELL 6236

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.

DRILLERS REMARKS

FINAL STATUS OF WELL

1 WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY
2 OBSERVATION WELL 6 ABANDONED, POOR QUALITY
3 TEST HOLE 7 UNFINISHED
4 RECHARGE WELL

WATER USE 01

1 DOMESTIC 5 COMMERCIAL
2 STOCK 6 MUNICIPAL
3 IRRIGATION 7 PUBLIC SUPPLY
4 INDUSTRIAL 8 COOLING OR AIR CONDITIONING
9 OTHER 9 NOT USED

METHOD OF DRILLING 4

1 CABLE TOOL 6 BORING
2 ROTARY (CONVENTIONAL) 7 DIAMOND
3 ROTARY (REVERSE) 8 JETTING
4 ROTARY (AIR) 9 DRIVING
5 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR
C. Charbonneau & Son Drilling Ltd. LICENCE NUMBER **1504**

ADDRESS
R. R. 2, Box 194, Orleans, Ont. K0A2 W0

NAME OF DRILLER OR BORER
L. Bourgeois LICENCE NUMBER

SIGNATURE OF CONTRACTOR
[Signature] SUBMISSION DATE
DAY **16** MO **7** YR **75**

OFFICE USE ONLY

DATA SOURCE
1504 CONTRACTOR DATE RECEIVED

DATE OF INSPECTION
14 MO **74** INSPECTOR
P/R Day

REMARKS
P
WI

CSS.58



WATER WELL RECORD

314/6e

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1515222

MUNICIPALITY 15011

CON. C4N

09

COUNTY OR DISTRICT CARLETON	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Cumberland	CON., BLOCK, TRACT, SURVEY ETC. 9	LOT 15-27
DATE COMPLETED DAY 25 MO 11 YR 75			
R.R.1. Navan, Ont.			
MINING 036500	SC 4	ELEVATION 0292	BSIN CODE 4 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay			0	48
grey	boulders			48	52
grey	gravel			52	57
grey	slate			57	66

31	0048205	0052213	0057211	0066219
32				

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0066	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
6 1/2	STEEL	188	0 0059

SCREEN

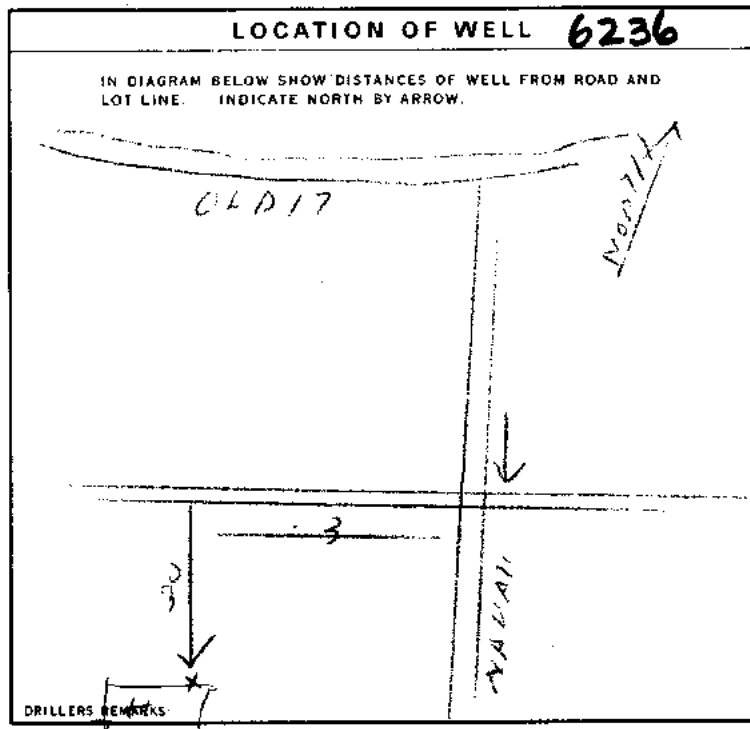
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUT, LEAD PACKER, ETC.

71 PUMPING TEST

PUMPING TEST METHOD <input checked="" type="checkbox"/> PUMP	PUMPING RATE 0030 GPM	DURATION OF PUMPING 01 HOURS
STATIC LEVEL 020 FEET	WATER LEVELS DURING	RECOVERY
	15 MINUTES: 020 FEET	60 MINUTES: 020 FEET



FINAL STATUS OF WELL

WATER USE 01

METHOD OF DRILLING 4

CONTRACTOR

NAME OF WELL CONTRACTOR: **G. Charbonneau + Son Drilling Ltd 1504**

NAME OF DRILLER OR BORER: **L. Bourgeois**

SUBMISSION DATE: DAY **25** MO **11** YR **75**

OFFICE USE ONLY

DATE OF INSPECTION: **14 Jun 76**

INSPECTOR: **P/R Dept**

DATE RECEIVED: **030376**



WATER WELL RECORD

319/6e

1. PRINT ONLY IN SPACES PROVIDED
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11

1515054

MUNICIPALITY 15011

CON. CAN

109

COUNTY OR DISTRICT Carleton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Cumberland	CON. BLOCK TRACT, SURVEY ETC 9	LOT 25-27 C
R. # 1 Cumberland, Ontario			DATE COMPLETED 48-53 DAY 09 MO 10 YR 75
SPRING 036654	W.C. 14	ELEVATION 10282	W.C. 44
BASIN CODE 126			

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay			0	28
grey	limestone			28	38
	cave			38	44
grey	limestone			44	173

31	100282105	0038215	0044 26	0173215
32				

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0165	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
18-18	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

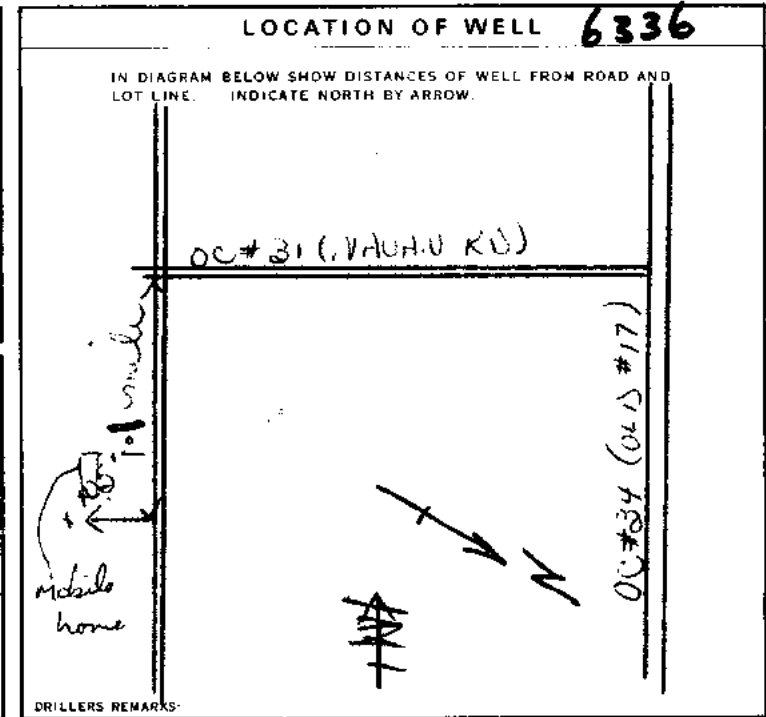
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/2	STEEL	188	0	0049
6	GALVANIZED		49	173
6	CONCRETE			
6	OPEN HOLE			
6	STEEL			
6	GALVANIZED			
6	CONCRETE			
6	OPEN HOLE			
6	STEEL			
6	GALVANIZED			
6	CONCRETE			
6	OPEN HOLE			

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	(CEMENT GROUT, LEAD PACKER, ETC.)
10-12		
16-21		
26-29		

71 PUMPING TEST

PUMPING TEST METHOD <input checked="" type="checkbox"/> PUMP <input type="checkbox"/> BAILER	PUMPING RATE 0010 GPM	DURATION OF PUMPING 15-16 HOURS 00 MINS
STATIC LEVEL 040 FEET	WATER LEVEL END OF PUMPING 080 FEET	WATER LEVELS DURING PUMPING 15 MINUTES 080 FEET 30 MINUTES 080 FEET 45 MINUTES 080 FEET 60 MINUTES 080 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 100 FEET	RECOMMENDED PUMPING RATE 0005 GPM



FINAL STATUS OF WELL

1 <input checked="" type="checkbox"/> WATER SUPPLY	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
2 <input type="checkbox"/> OBSERVATION WELL	6 <input type="checkbox"/> ABANDONED POOR QUALITY
3 <input type="checkbox"/> TEST HOLE	7 <input type="checkbox"/> UNFINISHED
4 <input type="checkbox"/> RECHARGE WELL	

WATER USE

1 <input checked="" type="checkbox"/> DOMESTIC	5 <input type="checkbox"/> COMMERCIAL
2 <input type="checkbox"/> STOCK	6 <input type="checkbox"/> MUNICIPAL
3 <input type="checkbox"/> IRRIGATION	7 <input type="checkbox"/> PUBLIC SUPPLY
4 <input type="checkbox"/> INDUSTRIAL	8 <input type="checkbox"/> COOLING OR AIR CONDITIONING
9 <input type="checkbox"/> OTHER	9 <input type="checkbox"/> NOT USED

METHOD OF DRILLING

1 <input type="checkbox"/> CABLE TOOL	6 <input type="checkbox"/> BORING
2 <input type="checkbox"/> ROTARY (CONVENTIONAL)	7 <input type="checkbox"/> DIAMOND
3 <input type="checkbox"/> ROTARY (REVERSE)	8 <input type="checkbox"/> JETTING
4 <input type="checkbox"/> ROTARY (AIR)	9 <input type="checkbox"/> DRIVING
5 <input checked="" type="checkbox"/> AIR PERCUSSION	

CONTRACTOR

NAME OF WELL CONTRACTOR Capital Water Supply Ltd.	LICENCE NUMBER 1558
ADDRESS Box 490 Stittsville, Ontario	
NAME OF DRILLER OR BORER M. Hamilton	LICENCE NUMBER
SIGNATURE OF CONTRACTOR <i>M. Hamilton</i>	SUBMISSION DATE 10 MO 10 YR 75

OFFICE USE ONLY

DATA SOURCE 1	CONTRACTOR 1558	DATE RECEIVED 761275
DATE OF INSPECTION 14 MO 74	INSPECTOR P/R. D.	
REMARKS		



Ontario

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The Ontario Water Resources Act

WATER WELL RECORD

31 ~~7/17/77~~
916 #e

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11 1515859 15011 OF 01

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Cumberland CON. BLOCK, TRACT, SURVEY, ETC: 1030 LOT: 25-27

R.R. 1, Navan, Ont. DATE COMPLETED: 07 MO 10 YR 76

HING: 036630 PG: 4 ELEVATION: 0275 # 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
yellow	clay			0	20
blue	clay			20	137
grey	limestone			137	140

31 0020505 0137305 0140215

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0140 10-13	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIA. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
6 1/4	STEEL	188	0 0 137
06	STEEL		17-18
	STEEL		24-25

SCREEN

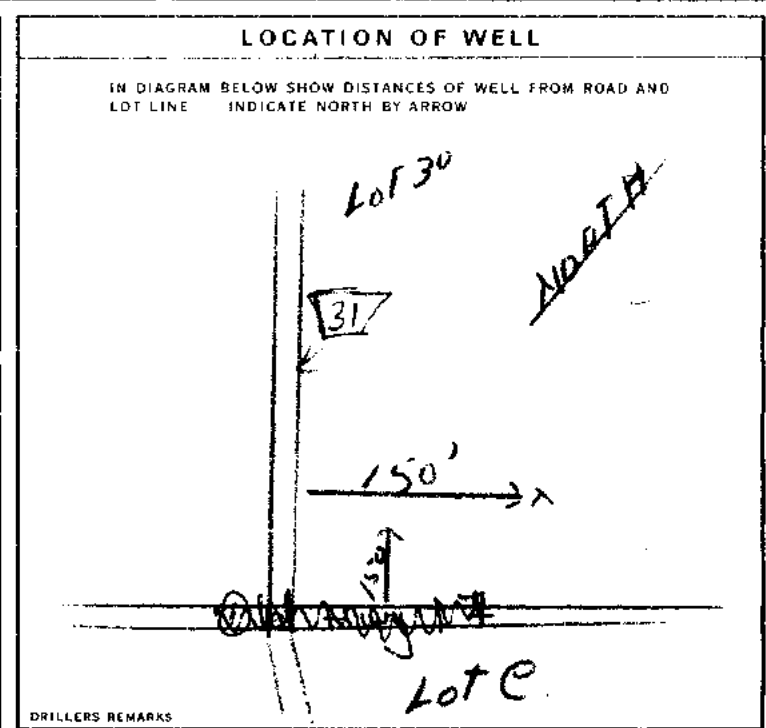
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUT LEAD PACKER ETC.
FROM 10		
10-13		
18-21		
26-29		

71 PUMPING TEST

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	DURATION OF PUMPING
035 FEET	065 FEET	15 MINUTES: 040 FEET 30 MINUTES: 035 FEET 45 MINUTES: 035 FEET 60 MINUTES: 035 FEET	02 HOURS 00 MINS
		PUMP INTAKE SET AT: 65 FEET	
		RECOMMENDED PUMP SETTING: 065 FEET	RECOMMENDED PUMPING RATE: 0020 GPM



FINAL STATUS OF WELL: 1 WATER SUPPLY

WATER USE: 1 DOMESTIC

METHOD OF DRILLING: 4 ROTARY (AIR)

CONTRACTOR: G. Charbonneau + Son Drilling Ltd 1504

ADDRESS: R.R. 2, Box 194, Orleans, Ont. K1C 1T7

NAME OF DRILLER OR BORER: L. Bourgeois

SIGNATURE OF CONTRACTOR: [Signature] Oct. 7 1976

SUBMISSION DATE: DAY 7 NO Oct. YR 76

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1504 DATE RECEIVED: 180377

DATE OF INSPECTION: July 13/77 INSPECTOR: TS

REMARKS: [Blank]

P. TS
WI

WATER WELL RECORD

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11

1518122

MUNICIPALITY 15.011

CON. CAN

09

COUNTY OR DISTRICT: OTTAWA CARLETON - Cumberland
CON. BLOCK, TRACT, SURVEY ETC: 9
LOT: C
DATE COMPLETED: DAY 21, MO 12, YR 82
WELL NO: 036499, RC: 4A, ELEVATION: 02.80, RC: 4A, BASIN CODE: 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

Table with columns: GENERAL COLOUR, MOST COMMON MATERIAL, OTHER MATERIALS, GENERAL DESCRIPTION, DEPTH - FEET (FROM, TO).
Rows: red clay (0-22), grey clay (22-78), grey fine sand gravel (78-86), grey limestone rock (86-90)

31 0022705 0078205 008624811 009021512
32

41 WATER RECORD
WATER FOUND AT FEET: 0088
KIND OF WATER: 1 FRESH, 2 SALTY, 3 SULPHUR, 4 MINERAL

51 CASING & OPEN HOLE RECORD
INSIDE DIAM INCHES: 6 7/8
MATERIAL: 1 STEEL
WALL THICKNESS INCHES: 1.88
DEPTH - FEET: 0 to 20.22

SCREEN
SIZES OF OPENING (SLOT NO 1): 31-33 DIAMETER 34-36 LENGTH 39-40
MATERIAL AND TYPE:
DEPTH TO TOP OF SCREEN: 41-44 FEET

61 PLUGGING & SEALING RECORD
DEPTH SET AT FEET: FROM TO
MATERIAL AND TYPE:
CEMENT GROUT LEAD PACKER ETC:

71 PUMPING TEST
PUMPING TEST METHOD: 1 PUMP, 2 WEAVER
PUMPING RATE: 0015 GPM
DURATION OF PUMPING: 15-16 HOURS, 30 MINS
WATER LEVELS DURING PUMPING: 018, 028, 026, 028, 028 FEET

LOCATION OF WELL
IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.
Diagram shows well location relative to a road and lot line, with a depth of 150 feet indicated.

81 FINAL STATUS OF WELL: 1 WATER SUPPLY
91 WATER USE: 1 DOMESTIC
92 METHOD OF DRILLING: 1 CABLE TOOL

CONTRACTOR
NAME OF WELL CONTRACTOR: Maurice Cayer Ltd
ADDRESS: Coakman Ont
SIGNATURE OF CONTRACTOR: Maurice Cayer

OFFICE USE ONLY
DATA SOURCE: 1, 1517, 010283
DATE OF INSPECTION:
INSPECTOR: op/lm



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Ontario

The Ontario Water Resources Act

WATER WELL RECORD

3166e

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11

1518790

MUNICIPALITY 15 01/1 0.F

COUNTY OR DISTRICT: Ottawa-Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Cumberland
CON. BLOCK, TRACT, SURVEY, ETC: 1
DATE COMPLETED: 05 MD 12 YR 83
ADDRESS: rue Gérald, Cumberland, Ont.
ELEVATION: 236.699
BASIN CODE: 26

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
red	clay			0	17
blue	clay			17	132
grey	gravel		fine gravel	132	136
grey	limestone			136	140

31 0017705 0132805 0134229 0140215
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13 0140	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input checked="" type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAMETER	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
17-34 06 6 1/2	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	1.88	+1 0138
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		138 0140

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
10-13		14-17
18-21		22-25
26-29		30-33

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BATLER

PUMPING RATE: 0040 GPM

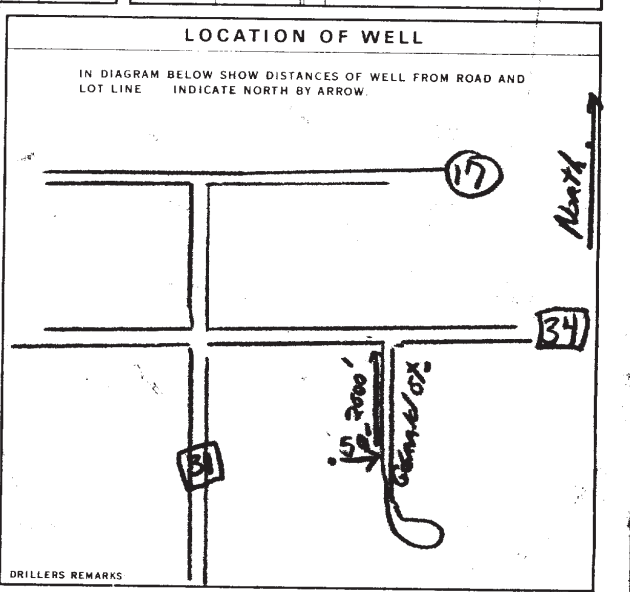
DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
061 FEET	100 FEET	15 MINUTES: 061 FEET 26-28: 061 FEET 30 MINUTES: 061 FEET 29-31: 061 FEET 45 MINUTES: 061 FEET 32-34: 061 FEET 60 MINUTES: 061 FEET 35-37: 061 FEET

RECOMMENDED PUMP TYPE: 1 SHALLOW 2 DEEP

RECOMMENDED PUMP SETTING: 100 FEET

RECOMMENDED PUMPING RATE: 0035 GPM



FINAL STATUS OF WELL: 1 WATER SUPPLY

WATER USE: 1 DOMESTIC

METHOD OF DRILLING: 4 ROTARY (AIR)

CONTRACTOR: G. Charbonneau + Son Drilling Ltd 1504
ADDRESS: R.R. 2, Box 194, Orleans, Ont. K1C 1G4
DRILLER: Raymond Charbonneau

OFFICE USE ONLY

DATA SOURCE: 1 58 CONTRACTOR: 1504 59-62 DATE RECEIVED: 22 02 84 61-68 80



Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1518790

1. PRINT ONLY IN SPACES PROVIDED
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COUNTY OR DISTRICT: **Ottawa-Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Cumberland** CON. BLOCK, TRACT, SURVEY, ETC.: **1**

OWNER (SURNAME FIRST): [REDACTED] ADDRESS: **rue Gerald, Cumberland, Ont.** DATE COMPLETED: DAY **5** MO **12** YR **83**

21 ZONE EASTING NORTHING RC. ELEVATION RC. BASIN CODE

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
red	clay			0	17
blue	clay			17	132
grey	gravel		fine gravel	132	136
grey	limestone			136	140

31 32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
140	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
18-18	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM.	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/2	STEEL	1.88	+1	138
6 1/2	GALVANIZED			
	CONCRETE			
	OPEN HOLE		138	140

SCREEN

SIZE (S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE
FROM	TO
10-13	
18-21	
26-29	

71 PUMPING TEST

PUMPING TEST METHOD: PUMP BAILEY

PUMPING RATE: **40** GPM

DURATION OF PUMPING: **1** HOUR

STATIC LEVEL: **61** FEET

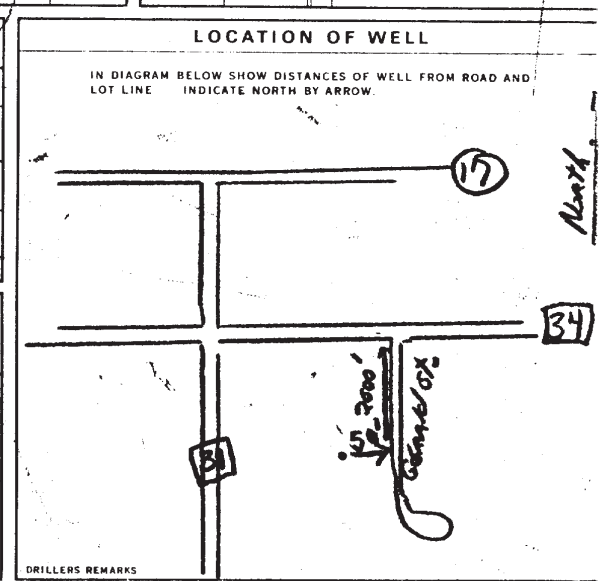
WATER LEVELS DURING PUMPING:

15 MINUTES: 100 FEET	30 MINUTES: 61 FEET	45 MINUTES: 61 FEET	60 MINUTES: 61 FEET
-----------------------------	----------------------------	----------------------------	----------------------------

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: **100** FEET

RECOMMENDED PUMPING RATE: **35** GPM



FINAL STATUS OF WELL

WATER SUPPLY ABANDONED, INSUFFICIENT SUPPLY

OBSERVATION WELL ABANDONED POOR QUALITY

TEST HOLE UNFINISHED

RECHARGE WELL

WATER USE

DOMESTIC COMMERCIAL

STOCK MUNICIPAL

IRRIGATION PUBLIC SUPPLY

INDUSTRIAL COOLING OR AIR CONDITIONING

OTHER NOT USED

METHOD OF DRILLING

CABLE TOOL BORING

ROTARY (CONVENTIONAL) DIAMOND

ROTARY (REVERSE) JETTING

ROTARY (AIR) DRIVING

AIR PERCUSSION

WELL CONTRACTOR: **Charbonneau+Son Drilling Ltd 1504** LICENCE NUMBER: [REDACTED]

DATE RECEIVED: **22 02 84**

2, Box 194, Orleans, Ont. K1C 1G4

DRILLER'S SIGNATURE: *Charbonneau*

SUBMISSION DATE: DAY **83** MO **12** YR **05**



WATER WELL RECORD

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2. CHECK CORRECT BOX WHERE APPLICABLE

11 1518982 15011 2F Pt. 29.01

COUNTY OR DISTRICT: **Ottawa-Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Cumberland** CON. BLOCK, TRACT, SURVEY ETC: **10.S. O.F.1 Plan 50R2418**



Le Gérald, E.R.1, Cumberland, Ont. DATE COMPLETED: DAY 15 MO 06 YR 84

RC 036699 4 ELEVATION 4 0250 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
red	clay			0	10
blue	clay			10	114
grey	limestone			114	140

31 0110705 0114305 0140215

32

41 WATER RECORD

WATER FOUND AT FEET	KIND OF WATER
10-13	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
5.75	STEEL	188	42	0117
06	STEEL		117	0140

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
61		

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUT LEAD PACKER, ETC.
10-13		
18-21		
26-29		

71 PUMPING TEST

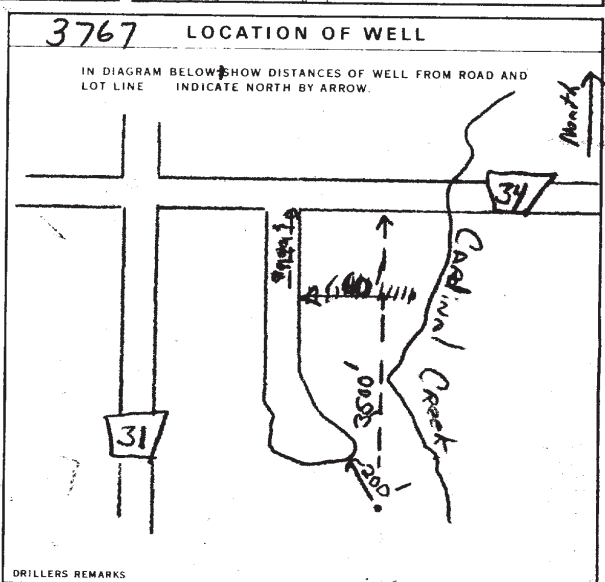
PUMPING TEST METHOD: PUMP BAILER **air**

PUMPING RATE: **0150** GPM DURATION OF PUMPING: **01** HOURS **00** MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING				
050 FEET	140 FEET	15 MINUTES: 050 FEET	30 MINUTES: 050 FEET	45 MINUTES: 050 FEET	60 MINUTES: 050 FEET	75 MINUTES: 050 FEET

IF FLOWING, GIVE RATE: **120** GPM

RECOMMENDED PUMP TYPE: SHALLOW DEEP RECOMMENDED PUMP SETTING: **120** FEET RECOMMENDED PUMPING RATE: **0150** GPM



81 FINAL STATUS OF WELL: **1**

82 WATER USE: **01**

83 METHOD OF DRILLING: **4**

CONTRACTOR: **G. Charbonneau + Son Drilling Ltd 1504**

ADDRESS: **R.R. 2, Box 194, Orleães, Ont. K1C 1T1**

NAME OF DRILLER OR BORER: **Raymond Charbonneau**

SIGNATURE: *[Signature]* SUBMISSION DATE: DAY **15** MO **06** YR **84**

58 CONTRACTOR: **1504** 59-62 DATE OF INSPECTION: **23 07 84**

63 INSPECTOR: **230784**

REMARKS



Ministry of the Environment
Ontario

The Ontario Water Resources Act

316-60

WATER WELL RECORD

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11

1518982

MUNICIPALITY 15011

CONTRACTOR PF

Pt. 29/01

COUNTY OR DISTRICT: **Ottawa-Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Cumberland** CON. BLOCK, TRACT SURVEY ETC: **10.S. O.F.1 Plan 50R2418**

DATE COMPLETED: DAY **15** MO **06** YR **84**
Location: **St. Gerald, E.R.1, Cumberland, Ont.**

DEPTH: **0366.99** FEET ELEVATION: **0250** FEET BASIN CODE: **26**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
red	clay			0	10
blue	clay			10	114
grey	limestone			114	140

31 **0110705 0114305 0140215**

41 **WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
0135	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
25-26	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL

51 **CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
6 5/8	<input checked="" type="checkbox"/> STEEL	188	0117
6	<input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE		
6	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE		117 0140
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE		

SCREEN 31-33 DIAMETER 34-38 LENGTH 39-40

SIZE (SI) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: 45-44 FEET

61 **PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE	(CEMENT GROUT, LEAD PACKER, ETC.)
10-13		
18-21		
28-29		

71 **PUMPING TEST**

PUMPING TEST METHOD: PUMP BAILER

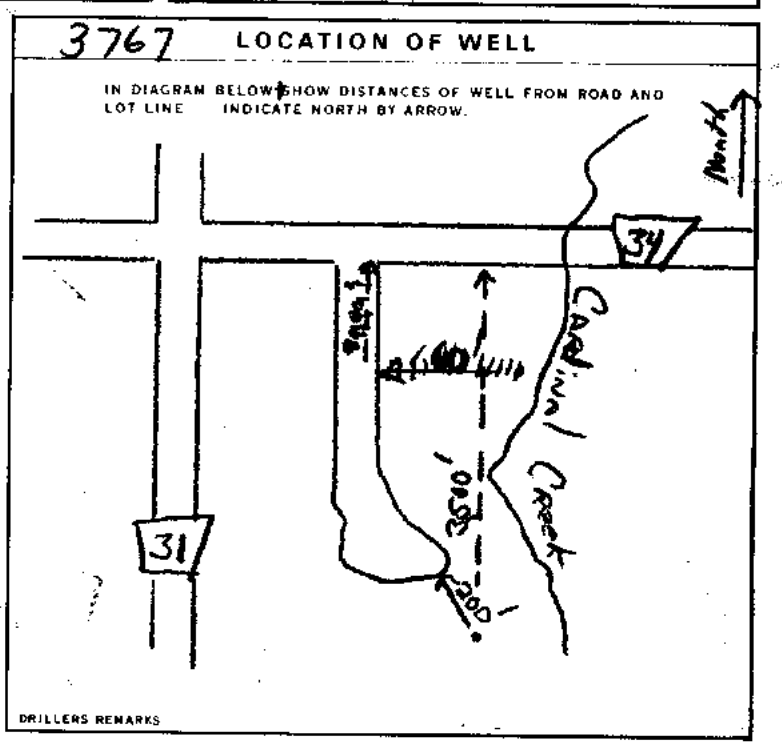
PUMPING RATE: **0150** GPM DURATION OF PUMPING: **01** HOURS **00** MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
050	140	15 MINUTES: 050	30 MINUTES: 050	45 MINUTES: 050	60 MINUTES: 050

PUMP INTAKE SET AT: **120** FEET WATER AT END OF TEST: CLEAR LOUDY

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: **120** FEET RECOMMENDED PUMPING RATE: **0150** GPM



84 **FINAL STATUS OF WELL**: WATER SUPPLY ABANDONED - INSUFFICIENT SUPPLY OBSERVATION WELL ABANDONED - POOR QUALITY TEST HOLE UNFINISHED RECHARGE WELL

85-86 **WATER USE**: DOMESTIC STOCK IRRIGATION INDUSTRIAL OTHER

87 **METHOD OF DRILLING**: CABLE TOOL ROTARY (CONVENTIONAL) ROTARY (REVERSE) ROTARY (AIR) AIR PERCUSSION BORING DIAMOND JETTING DRIVING

CONTRACTOR: **G. Charbonneau + Son Drilling Ltd 1504** LICENCE NUMBER: _____

ADDRESS: **R.R. 2, Box 194, Orleans, Ont. K1C 1T1**

NAME OF DRILLER OR BORER: **Raymond Charbonneau** LICENCE NUMBER: _____

SIGNATURE: _____ SUBMISSION DATE: DAY **15** NO **06** YR **84**

OFFICE USE ONLY

DATA SOURCE: _____ CONTRACTOR: **1504** DATE OF INSPECTION: **23 07 84**

DATE OF INSPECTION: _____ INSPECTOR: _____

REMARKS: _____



Ministry of the Environment Ontario

The Ontario Water Resources Act

3166e

WATER WELL RECORD

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1518983

MUNICIPALITY 15011

OF

Plan 50R/149

COUNTY OR DISTRICT: **Ottawa-Carleton** TOWNSHIP BOROUGH CITY, TOWN, VILLAGE: **Cumberland** CON. BLOCK TRACT SURVEY ETC: **1 O.S. O.R.1**

DATE COMPLETED: DAY **25** MO **05** YR **84**

Address: **Royal St., Cumberland, Ont. R.R.1**

GRID COORDINATES: **36799** ELEVATION: **0.250** BASIN CODE: **26**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
red	clay			0	16
yellow	"			16	24
blue	"			24	130
grey	gravel		fine gravel	130	134
grey	limestone			134	150

31 0016705 0024505 0130305 0134229 0150215

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0145	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/2	STEEL		+2	136
6	STEEL		130	150

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT SHOOT LEAD PACKER
10-11		
18-21		
26-29		

71 PUMPING TEST

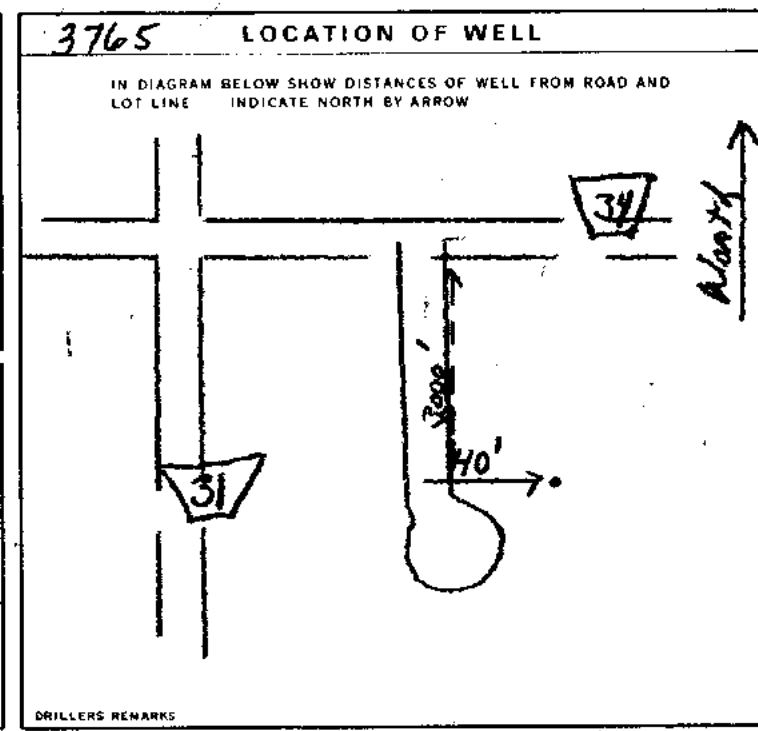
PUMPING TEST METHOD: **air** PUMPING RATE: **0080** GPM DURATION OF PUMPING: **01** HOURS **00** MINS

1 PUMP 2 BAILER

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
061	120	061	061	061	061

IF FLOWING, GIVE RATE: **120** GPM PUMP INTAKE SET AT: **120** FEET WATER AT END OF TEST: CLEAR CLOUDY

RECOMMENDED PUMP TYPE: SHALLOW DEEP RECOMMENDED PUMP SETTING: **120** FEET RECOMMENDED PUMPING RATE: **0080** GPM



FINAL STATUS OF WELL

1 WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY
 2 OBSERVATION WELL 6 ABANDONED, POOR QUALITY
 3 TEST HOLE 7 UNFINISHED
 4 RECHARGE WELL

WATER USE

1 DOMESTIC 5 COMMERCIAL
 2 STOCK 6 MUNICIPAL
 3 IRRIGATION 7 PUBLIC SUPPLY
 4 INDUSTRIAL 8 COOLING OR AIR CONDITIONING
 OTHER 9 NOT USED

METHOD OF DRILLING

1 CABLE TOOL 5 BORING
 2 ROTARY (CONVENTIONAL) 6 DIAMOND
 3 ROTARY (REVERSE) 7 JETTING
 4 ROTARY (AIR) 8 DRIVING
 5 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: **G. Charbonneau & Son Drilling Ltd** LICENCE NUMBER: **1504**
 ADDRESS: **R.R.2, Box 194, Orleans, Ont. K1C 1T1**

NAME OF DRILLER OR BORER: **Raymond Charbonneau** LICENCE NUMBER: _____
 SIGNATURE OF CONTRACTOR: _____ SUBMISSION DATE: DAY **25** MO **05** YR **84**

OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **1504** DATE RECEIVED: **23 07 84**

DATE OF INSPECTION: _____ INSPECTOR: _____

REMARKS: _____

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Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue](#).

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[Technical documentation: Metadata record](#)

[Go Back to Map](#)

Well ID

Well ID Number: 1519192

Well Audit Number:

Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	CUMBERLAND TOWNSHIP
Lot	029
Concession	OF 01
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 463129.8 Northing: 5037021
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
RED	CLAY			0 ft	17 ft
BLUE	CLAY			17 ft	137 ft
GREY	HPAN	FCRD		137 ft	140 ft
GREY	LMSN			140 ft	155 ft

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
------------	----------	--	---------------

Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Air)	Domestic

Status of Well

Water Supply

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
6 inch	STEEL		141 ft
6 inch	OPEN HOLE		155 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
------------------	----------	------------	----------

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1504

Results of Well Yield Testing

After test of well yield, water was	CLOUDY
If pumping discontinued, give reason	
Pump intake set at	

Pumping Rate	100 GPM
Duration of Pumping	1 h:0 m
Final water level	150 ft
If flowing give rate	
Recommended pump depth	130 ft
Recommended pump rate	100 GPM
Well Production	PUMP
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL	72 ft		
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	72 ft
20		20	
25		25	
30		30	72 ft
40		40	
45		45	72 ft
50		50	
60		60	72 ft

Water Details

Water Found at Depth	Kind
150 ft	Fresh

Hole Diameter

Depth From	Depth To	Diameter
------------	----------	----------

Audit Number:

Date Well Completed: July 20, 1984

Date Well Record Received by MOE: September 14, 1984

Updated: March 20, 2017

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WATER WELL RECORD

3166e

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11 1518981

MUNICIPALITY 150/11 Part 2 Plan 502
CON. BLOCK TRACT. SURVEY, ETC. 1 O.S. O.F.I. Pt. 29

COUNTY OR DISTRICT: **Ottawa-Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Cumberland**
 DATE COMPLETED: DAY **28** MO **05** YR **84**
 ADDRESS: **Royal St., R.R.1, Cumberland, Ont.**
 HOLE NO. **036799** ELEVATION **027.0** BASIN CODE **26**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
red	clay			0	18
yellow	clay			18	23
blue	clay			23	122
grey	gravel			122	126
grey	limestone			126	140

31 0018705 0023505 0123105 0126211 0140211
 32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0140	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
19-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
23-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
06	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0128
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		128-0140
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		27-30

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
		DEPTH TO TOP OF SCREEN
		FEET

6 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE
10-14.17	
10-21	
28-29	

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAILER

PUMPING RATE: 0080 GPM DURATION OF PUMPING: 01 15-16 00 HOURS

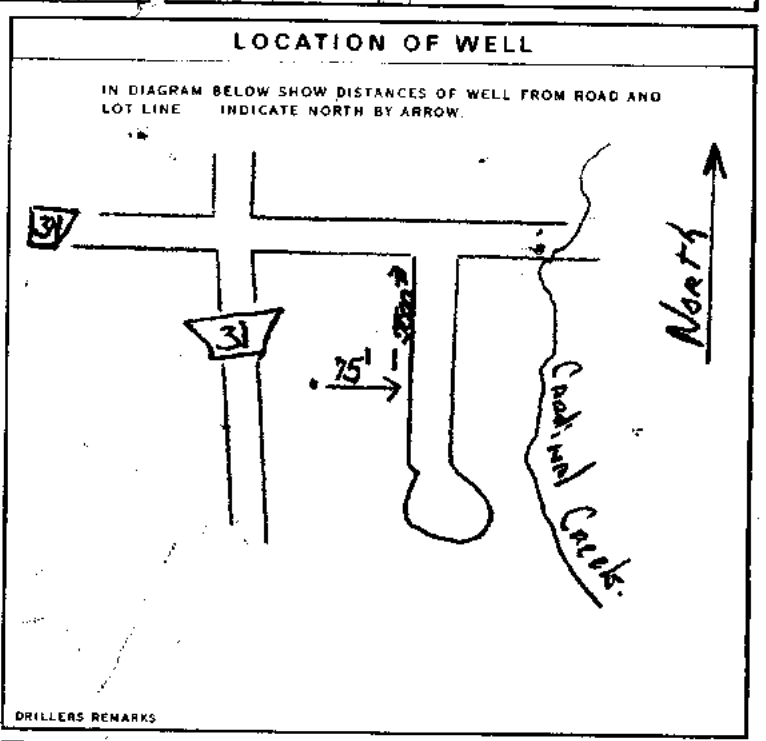
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
071 FEET	130 FEET	15 MINUTES: 071 FEET	30 MINUTES: 071 FEET	45 MINUTES: 071 FEET	60 MINUTES: 071 FEET

IF FLOWING, GIVE RATE: 120 GPM

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 120 FEET

RECOMMENDED PUMPING RATE: 0080 GPM



FINAL STATUS OF WELL

1 WATER SUPPLY, 2 OBSERVATION WELL, 3 TEST HOLE, 4 RECHARGE WELL, 5 ABANDONED, INSUFFICIENT SUPPLY, 6 ABANDONED, POOR QUALITY, 7 UNFINISHED

WATER USE

1 DOMESTIC, 2 STOCK, 3 IRRIGATION, 4 INDUSTRIAL, 5 COMMERCIAL, 6 MUNICIPAL, 7 PUBLIC SUPPLY, 8 COOLING OR AIR CONDITIONING, 9 OTHER, 0 NOT USED

METHOD OF DRILLING

1 CABLE TOOL, 2 ROTARY (CONVENTIONAL), 3 ROTARY (REVERSE), 4 ROTARY (AIR), 5 AIR PERCUSSION, 6 BORING, 7 DIAMOND, 8 JETTING, 9 DRIVING

CONTRACTOR: **G. CHARBONNEAU+SON DRILLING LTD 1504**
 ADDRESS: **R.R. 2, Box 194, Orléans, Ont. K1C 1T1**
 NAME OF DRILLER OR BORER: **Raymond Charbonneau**
 SIGNATURE OF CONTRACTOR: *[Signature]*
 SUBMISSION DATE: DAY **28** MO **05** YR **84**

OFFICE USE ONLY: DATA SOURCE: 1 1504 DATE: 23 07 84
 DATE OF INSPECTION: INSPECTOR: *[Signature]*
 REMARKS:

August 16, 2017

Anna Graham
Paterson Group
154 Colonnade Road South
Ottawa, Ontario
K2E 7J5

Sent via email agraham@patersongroup.ca

Dear Ms. Graham,

**Re: Information Request
Trim Road Right of Way adjacent to 900 and 920 Watters Road, Ottawa,
Ontario (“Subject Property”)**

Internal Department Circulation

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- The City’s Environmental Remediation Unit notes that the PINs associated with the Subject Property are within 500 metres of an unnamed former landfill known only as Cu-21. The City of Ottawa has no information on the current environmental conditions of this site as the former landfill is under private ownership.

Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

- There are no activities associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 50m of the Subject Property. The search revealed the following:

- There are no activities associated with the properties located within 50m of the Subject Property.

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

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

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

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

If you have any further questions or comments, please contact NAME LASTNAME at 613-580-2424 ext. 21690 or HLUI@ottawa.ca

Sincerely,



Ellen Potts

Per:

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

MB/EP

cc: File no. D06-03-17-0096

APPENDIX 3

QUALIFICATIONS OF ASSESSORS



POSITION

Environmental Assessor

EDUCATION

McGill University, B.Sc. 2010
Biology and English Literature

Queen`s University, M.E.S. 2012
Environmental Studies

EXPERIENCE

2014 to Present

Paterson Group Inc.
Consulting Engineers
Environmental Assessor

2013 to 2014

Civica Infrastructure Inc.
Municipal Water Resources Engineering - Vaughan
Project Support Coordinator, Project Proposal Writer

PROJECTS

Environmental Impact Statements – various, Ottawa
Phase I Environmental Site Assessments – various, Ottawa
Flood Mapping Project Coordination – Credit Valley Conservation Authority
Manhole Survey Tool Design and Data Processing – City of Markham
Proposal Preparation – Utilities Kingston Inflow and Infiltration Study, City of Peterborough
Drainage Study

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

POSITION

Associate and Supervisor of the Environmental Division
Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991
Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present

Paterson Group Inc.

Associate and Senior Environmental/Geotechnical Engineer
Environmental and Geotechnical Division
Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island
Agricultural Supply Facilities - Eastern Ontario
Laboratory Facility – Edmonton (Alberta)
Ottawa International Airport - Contaminant Migration Study - Ottawa
Richmond Road Reconstruction - Ottawa
Billings Hurdman Interconnect - Ottawa
Bank Street Reconstruction - Ottawa
Environmental Review – Various Laboratories across Canada - CFIA
Dwyer Hill Training Centre – Ottawa
Nortel Networks Environmental Monitoring - Carling Campus – Ottawa
Remediation Program - Block D Lands – Kingston
Investigation of former landfill sites – City of Ottawa
Record of Site Condition for Railway Lands – North Bay
Commercial Properties – Guelph and Brampton
Brownfields Remediation – Alcan Site - Kingston
Montreal Road Reconstruction - Ottawa
Appleford Street Residential Development - Ottawa
Remediation Program - Ottawa Train Yards
Remediation Program - Bayshore and Heron Gate
Gladstone Avenue Reconstruction – Ottawa
Somerset Avenue West Reconstruction - Ottawa