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Phase I-Environmental Site Assessment

130 and 136 Central Park Drive
Ottawa, Ontario

Prepared For

Ashcroft Homes

March 4, 2020

Report: PE1455-1

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Ashcroft Homes to conduct a Phase I-Environmental Site Assessment (ESA) for the properties addressed 130 and 136 Central Park Drive, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property has never been developed. No concerns were noted with the Phase I Property.

The historical use of neighbouring lands was primarily residential with some agricultural land use. Historical off-site potentially contaminating activities (PCAs) were identified within the study area, however, based on the nature of the activities and separation distances and/or orientation with respect to the subject land, these former PCAs are not considered to generate APECs on the Phase I Property.

Following the historical research, a site visit was conducted. The Phase I Property is currently vacant. Neighbouring land use consisted primarily of residential land. No PCAs and thus, no APECs were noted with the current use of the Phase I Property or lands within the Phase I Study Area.

Conclusion

Based on the results of the assessment, **it is our opinion, that a Phase II Environmental Site Assessment is not required for the Phase I Property.**

1.0 INTRODUCTION

At the request of Ashcroft Homes, Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for the property addressed 130 and 136 Central Park Drive, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. 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 land.

Paterson was engaged to conduct this Phase I-ESA by Ms. Kieran Watson with Ashcroft Homes. The head office of Ashcroft Homes is located at 18 Antares Drive, Ottawa. Ms. Watson can be reached by telephone at (613) 226-7266.

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 the requirements of Ontario Regulation (O.Reg.) 153/04, as amended, under the 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:	130 and 136 Central Park Drive, Ottawa, Ontario
Legal Description:	Part of the south Lot M and north Lot N, Broken Front A, Nepean (now in the City of Ottawa), Ontario.
Property Identification Number:	03998-01710
Location:	The Phase I Property is located on the east side of Central Park Drive, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45° 22' 1.70" N, 75° 44' 7.91" W
Site Description:	
Configuration:	Irregular
Site Area:	9,185 m ² (approximately)
Zoning:	R5K – Residential Fifth Density Zone
Current Use:	The Phase I Property is currently vacant land.
Services:	The site is located in a municipally serviced area.

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 O.Reg. 153/04, as amended, 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 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

Based on historical information, the Phase I Property has never been developed.

National Archives

Fire Insurance Plans (FIPs) for the Phase I Property and lands within the Phase I Study Area are not available.

City directories were reviewed for the Phase I Study Area. The Phase I Property has always been undeveloped land and as such, there are no directories listing available. It should be noted that the Ottawa Directories were not available for the Phase I Study Area until the 1940s.

Neighbouring properties in the Phase I Study Area were listed primarily as residential with some agricultural land use.

Based on the city directories review, there were no potentially contaminating activities (PCAs) identified on the Phase I Property or on properties within the Phase I Study Area.

Chain of Title

Paterson did not request a Chain of Title for the subject site as it was determined that sufficient information was gathered from other sources, such as personal interviews, aerial photographs and city directories.

Plan of Survey

A plan of survey was not available for review at this time.

Previous Engineering Reports

- ❑ Phase I-Environmental Site Assessment Update, Vacant Land, 130 and 136 Central Park Drive, Ottawa, Ontario, prepared by Paterson Group Inc., dated, April 29, 2008.

Based on the Phase I ESA Update and review of previous environmental reports, no potential environmental concerns were identified with the Phase I Property or properties within the Phase I Study Area. A Phase II ESA was not recommended.

4.2 Environmental Source Information

PCB Inventory

A search of national PCB waste storage sites was conducted on February 26, 2020. No PCB waste storage sites are located within the Phase I Study Area.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on February 26, 2020. The search did not reveal any natural features or ANSIs within the Phase I Study Area.

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on February 26, 2020. Based on the search results, the Phase I Property and other properties within the 250m study area are not listed in the NPRI.

Ministry of the Environment, Conservation and Parks Freedom of Information Request

An ERIS (Environmental Risk Information Service) search was requested in lieu of the Ministry of Environment, Conservation and Parks (MECP) Freedom of Information (FOI) request as part of this Phase I-ESA.

MECP Instruments

An ERIS search was requested for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the Phase I Property and properties within the Phase I Study Area.

Based on the ERIS search results, there were no records regarding the Phase I Property. Two (2) Environmental Compliance Approvals (ECAs) were issued for the Central Park Area in 2000 regarding Municipal and Private Sewage Works. These former ECAs are considered a non-issue. No other permits, certificates of approval or environmental compliance approvals were identified within the Phase I Study Area. A copy of the ERIS report is provided in Appendix 2.

MECP Waste Management Records

According to the ERIS report, no waste management records were found for the Phase I Property. One waste generator was found for the property addressed 110 Central Park Drive (petroleum-based waste oils), approximately 30 m northwest. The report was from 2017. It is expected that this waste generator number in 2017 was associated with a back-up generator. No other information was provided.

Based on the down-gradient orientation of 110 Central Park Drive, former waste generator is not considered to have impacted the Phase I Property, and as such, this former waste generator is not considered to generate an APEC. A copy of the ERIS report is provided in Appendix 2.

MECP Submissions

According to the ERIS search, there were no records pertaining to the environmental conditions of the Phase I Property or the Phase I Study Area. A copy of the ERIS report is provided in Appendix 2.

MECP Incident Reports

According to the ERIS report, there were no environmental incidents, orders, offences, spills and discharges of contaminants regarding the Phase I Property. Two (2) spill and/or incident records were identified within the study area, approximately 135 m or more away from the Phase I Property.

Based on separation distance, the 2 reported incidences (one natural gas leak and hydraulic oil release) are not considered to represent APECs on the Phase I Property. A copy of the ERIS report is provided in Appendix 2.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry (ESR) was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the Phase I Property or for other properties within the Phase I Study Area.

MECP 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. There are no active or closed waste disposal sites or former manufactured gas or coal tar distillation plans within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was not contacted electronically to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. Instead, an ERIS search was requested for reports pertaining to environmental incidents, orders, offences, spills and discharges of contaminants regarding the Phase I Property and properties within the Phase I Study Area.

According to the ERIS search results, there are no records pertaining to the Phase I Property or the properties within the Phase I Study Area. A copy of the ERIS report is provided in Appendix 2.

ERIS Report

As previously discussed, an ERIS search was conducted for the Phase I Property and lands within the Phase I Study Area. No search results regarding the Phase I Property were identified.

One additional record from Scott's Manufacturing Directory was identified – a soap manufacturing facility at a residential dwelling, approximately 240 m away from the Phase I Property. Based on the nature of the location and listed activity, it is expected that this was a small business venture, which is not considered a PCA. A copy of the ERIS report is provided in Appendix 2.

City of Ottawa Landfill Document

The document entitled "Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa", was reviewed. Based on the document, there was one abandoned waste disposal site, approximately 100 m west of Merivale Road and 150 m from Baseline Road, approximately 240 m southeast of the Phase I Property. The former landfill was decommissioned by Paterson Group prior to the development of Central Park area.

Based on our knowledge of the landfill and the separation distance, this former landfill site is not considered to represent an APEC on the Phase I Property.

Former Industrial Sites

The report entitled “Mapping and Assessment of Former Industrial Sites, City of Ottawa” by Intera Technologies Limited was also reviewed. The Intera report identifies the former industrial sites within the immediate surroundings of the Phase I Property. Site No. L-43 was identified approximately 240 m southeast of the Phase I Property. The disposed waste was characterized as agricultural wastes and other equipment and debris associated with the operation of farms. Based on the information described previously, the former industrial site is not considered an APEC.

City of Ottawa Historical Land Use Inventory (HLUI)

A request for a search of the City of Ottawa’s Historical Land Use Inventory (HLUI) database was submitted to the City of Ottawa. A response had not been received at the time of issuing this report. A copy of the HLUI2005 search results will be forwarded to the client. A copy of the HLUI request form is provided in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals. Based on the review, the following observations have been made:

- | | |
|------|--|
| 1958 | The subject site is undeveloped. Neighbouring lands are vacant and undeveloped land at this time. Merivale Road can be seen to the east as well as a large farm operation to the east of the subject site. |
| 1965 | The subject site and neighbouring lands remain unchanged from the previous photograph. Some commercial/light-industrial lands are present further south along Baseline Road. |
| 1976 | No significant changes are apparent on the subject site or surrounding lands. Properties further to the south appear are developed with commercial and residential buildings. |

-
- | | |
|------|--|
| 1991 | The subject site and surrounding lands, with the exception of the property further to the east, remain unchanged from the previous photograph. The farm to the east appears to have been abandoned at this time. |
| 2002 | The subject site remains vacant at this time. Surrounding lands are developed with residential developments. The east side of Central Park Drive is present and under construction at this time. |
| 2011 | No changes are apparent on the subject site. Neighbouring lands are occupied by residential high-rise buildings, parkland and a residential subdivision. |
| 2017 | The subject site and neighbouring lands remain unchanged from the previous photograph. |

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 local topography in the immediate vicinity of the site slopes gently downward to the southeast. The regional topography slopes down in a southeasterly direction as well, towards the Rideau River. 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 Phase I Property 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 is reported to consist of plain till with depths ranging from 1 to 3 m as well as exposed bedrock.

Natural Water Bodies and Areas of Natural Significance

No natural water bodies or areas of natural significance are known to exist on the Phase I Property or within the Phase I Study Area.

Water Well Records

The MECP online interactive well record mapping system was accessed on February 27, 2020, to conduct a search for all drilled wells within 250 m of the Phase I Property.

The search returned twelve (12) well records, nine (9) of which were potable wells drilled between 1952 and 1958 and three (3) monitoring wells drilled between 2007 to 2011.

Five (5) of the potable wells were drilled approximately 224 m east of the Phase I Property to support a chicken farm that was formerly located on the northwest corner of the Merivale Road and Central Park Drive intersection. The remaining potable wells were located at Merivale Road and Clyde Avenue.

Three (3) monitoring wells identified during the well search were located outside the Phase I Study Area at Merivale Road and Baseline Road. These wells were associated with a former retail fuel outlet. Copies of the well records are provided in Appendix 2.

5.0 INTERVIEWS

Ms. Kieran Watson of Ashcroft Homes, the current property owner, was interviewed via email on February 25, 2020.

The Phase I Property has never been developed and is slated for development in the near future. The property owner is not aware of any potential environmental concerns regarding the subject land or neighbouring properties.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site visit was conducted on February 27, 2020. Weather conditions were overcast with a temperature of approximately -2°C. Ms. Mandy Witteman from the Environmental Department of Paterson conducted the site assessment.

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 visit.

6.1 Specific Observation at Phase I Property

Subsurface Structures and Utilities

The Phase I Property is situated in a municipally serviced area. There are presently no services entering the Phase I Property. Underground utility services in the immediate vicinity of the subject land includes natural gas, electricity, water and sewer services. No well or private sewage system was observed on the property at the time of the site visit.

Site Features

There are no buildings present on the Phase I Property. It currently exists as vacant land covered in tall brush with trees bordering the eastern property boundary, while concrete barricade blocks border off the western property boundary. A concrete pad transformer was noted on the southeastern corner of the lot. No signs of staining were observed in the immediate area of the transformer.

Site drainage typically occurs through infiltration. The site topography appeared to be relatively flat and at the grade of Central Park Drive, although below the grade of the parking lot associated with the residential high-rise buildings to the west.

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: Residential high-rise building, followed by Central Park Drive and Whitestone Drive;
- ☐ South: Central Park Drive, followed by residential dwellings;
- ☐ East: Parkland, followed by residential condo buildings; and
- ☐ West: Residential high-rise building, followed by Central Park Drive and Staten Way.

Land use within the Phase I Study Area consists mainly of residential land and a school. No concerns were identified with the current use of the surrounding lands. The surrounding land use within the Phase I Study Area is presented on Drawing PE1455-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

Based on the available historical records, the Phase I Property has always existed as vacant land that has never been developed. Presently, the Phase I Property remains vacant and undeveloped. There are no potential environmental concerns associated with the historical and current use of the Phase I Property

Potentially Contaminating Activities and Areas of Potential Environmental Concern

No potentially contaminating activities (PCAs) were identified on the Phase I Property. Two (2) PCAs were identified on properties within the Phase I Study Area. However, due to the separation distances and/or orientation with respect to the subject land, these PCAs are not considered to result in areas of potential environmental concern (APECs) on the Phase I Property. Off-site PCAs with their respective locations are presented on Drawing PE1455-2 – Surrounding Land Use Plan, in the Figures section of this report.

Contaminants of Potential Concern

No Contaminants of Potential Concern (CPCs) were identified on the Phase I Property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

According to the Geological Survey of Canada website, the bedrock in the area of the Phase I Property is reported to consist of limestone bedrock from the Bobcaygeon Formation. The overburden is reported to consist of plain till with exposed bedrock with depths ranging between 0 and 3 m over the entire site.

The regional topography slopes down in a southeasterly direction towards the Rideau River. The local groundwater flow beneath the Phase I Property is inferred to flow in a northeast direction as well.

Existing Buildings and Structures

There are no buildings or structures present on the Phase I Property.

Subsurface Structures and Utilities

The Phase I Property is situated in a municipally serviced area. There are presently no services entering the Phase I Property. Underground utility services in the immediate vicinity of the subject land include natural gas, electricity, water and sewer services.

Water Bodies and Areas of Natural Significance

No areas of natural significance or water bodies were identified on the Phase I Property or within the Phase I Study Area.

Drinking Water Wells

There are no potable water wells on the Phase I Property.

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area consists primarily of residences and an institutional property (i.e. school).

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, there were no PCAs identified on the Phase I Property. Off-site PCAs were identified within the Phase I Study Area. Based on the separation distances of these PCAs, none of them were considered to result in areas of potential environmental concern (APECs) on the Phase I Property. .

Contaminants of Potential Concern

There are no APECs on the Phase I Property and as such, no contaminants of potential concern (CPCs) identified on the Phase I Property.

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 that result in APECs on the Phase I Property. A variety of independent sources were consulted as part of this assessment, 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 Ashcroft Homes to conduct a Phase I-Environmental Site Assessment (ESA) for the properties addressed 130 and 136 Central Park Drive, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property has never been developed. No concerns were noted with the Phase I Property.

The historical use of neighbouring lands was primarily residential with some agricultural land use. Historical off-site potentially contaminating activities (PCAs) were identified within the study area, however, based on the nature of the activities and separation distances and/or orientation with respect to the subject land, these former PCAs are not considered to generate APECs on the Phase I Property.

Following the historical research, a site visit was conducted. The Phase I Property is currently vacant. Neighbouring land use consisted primarily of residential land. No PCAs and thus, no APECs were noted with the current use of the Phase I Property or lands within the Phase I Study Area.

Based on the results of the assessment, **it is our opinion, that a Phase II Environmental Site Assessment is not required for the Phase I 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, 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 Ashcroft Homes. Permission and notification from Ashcroft Homes and Paterson will be required to release this report to any other party.

Paterson Group Inc.



Mandy Witteman, B.Eng., M.A.Sc.



Mark D'Arcy, P.Eng., Q.P.^{ESA}



Report Distribution:

- ☐ Ashcroft Homes
- ☐ 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
National Energy Board.

Provincial Records

MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
MNR Areas of Natural Significance.
MECP Water Well Record 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.
Interra Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
geoOttawa: City of Ottawa electronic mapping website.
City of Ottawa Historical Land Use Inventory (HLUI) Database

Local Information Sources

Personal Interviews.

Public Information Sources

Google Earth.
Google Maps/Street View.

Private Information Sources

ERIS Report

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE1455-1 – SITE PLAN

DRAWING PE1455-2 – SURROUNDING LAND USE PLAN

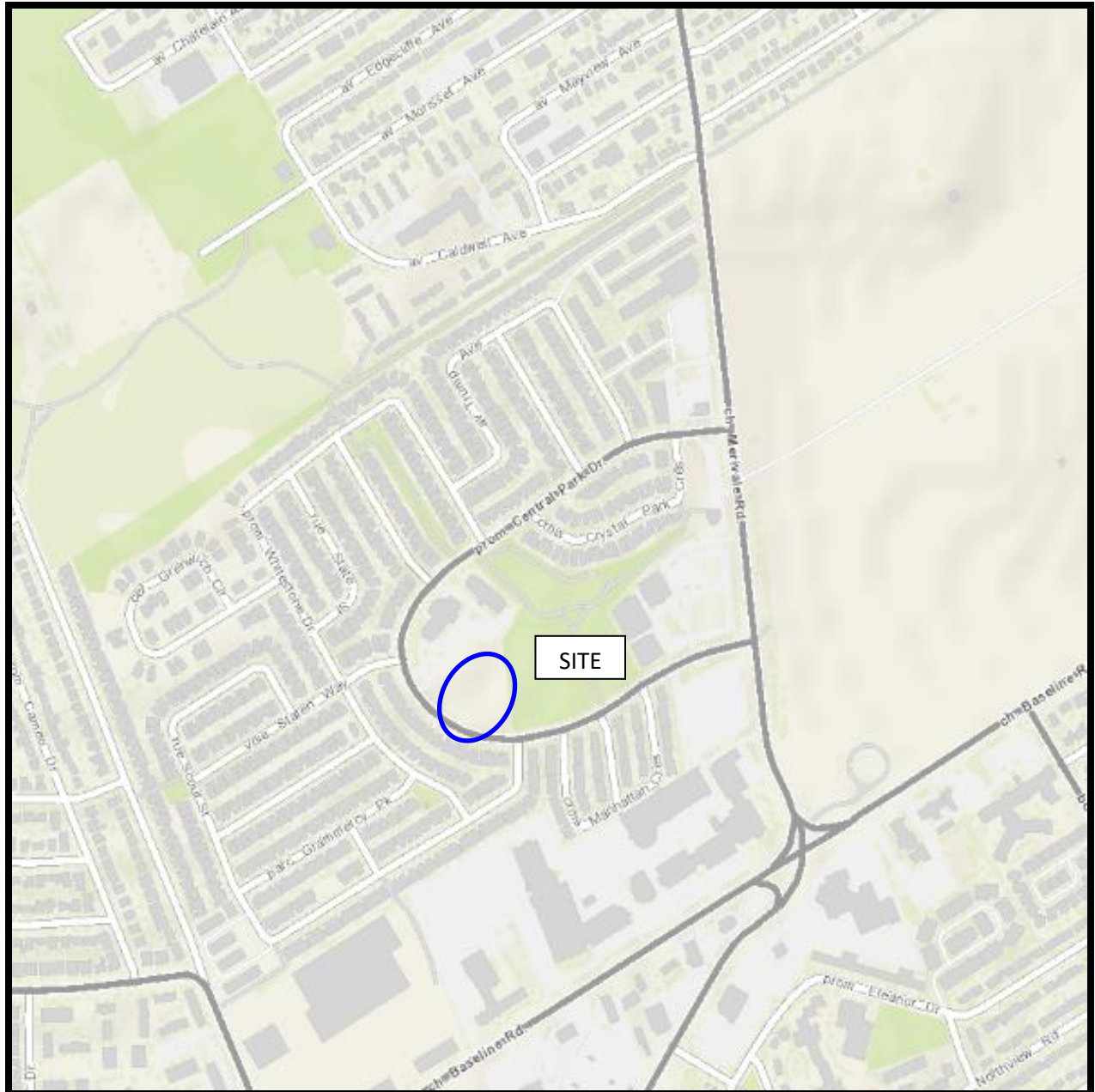


FIGURE 1
KEY PLAN

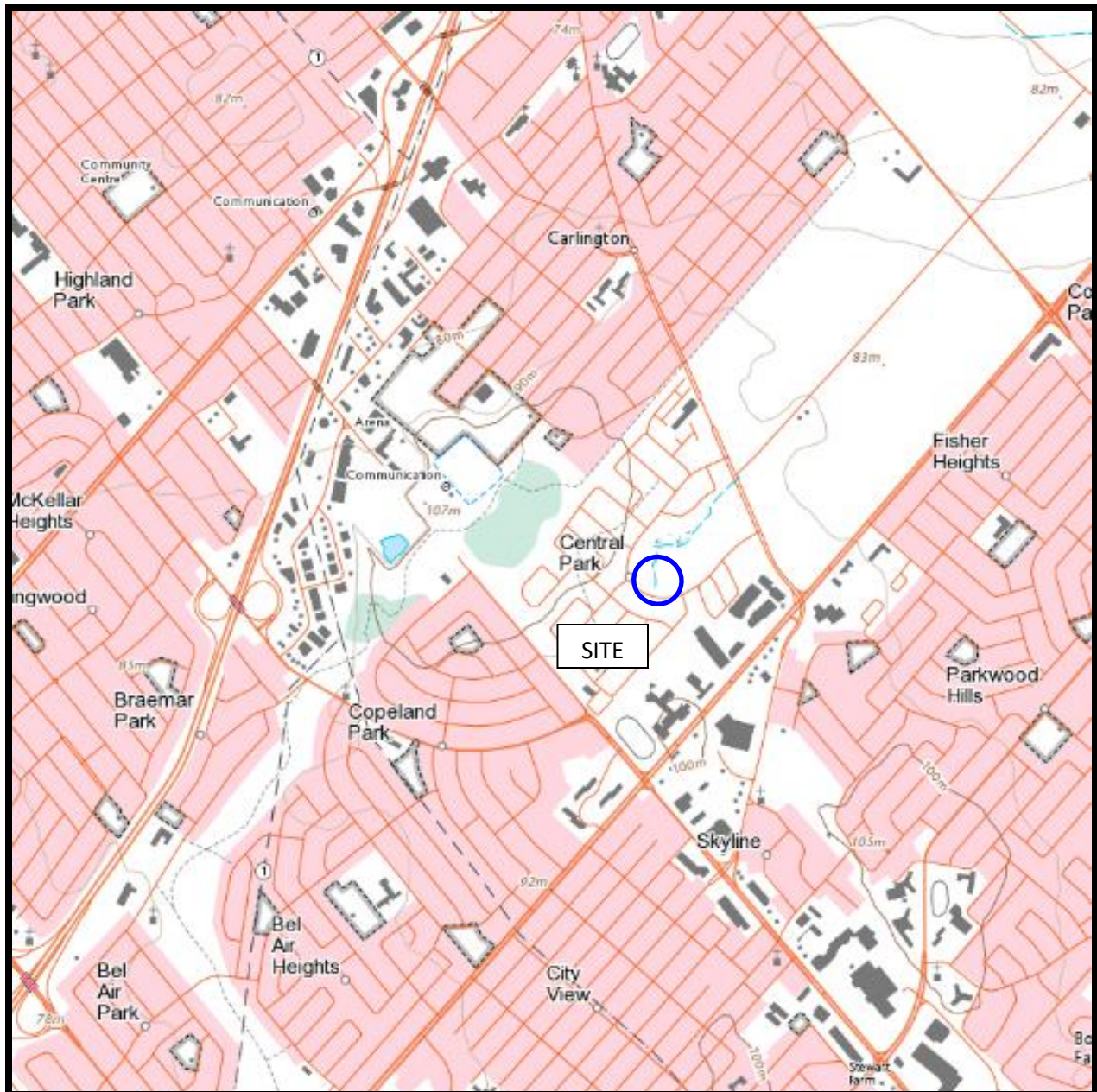
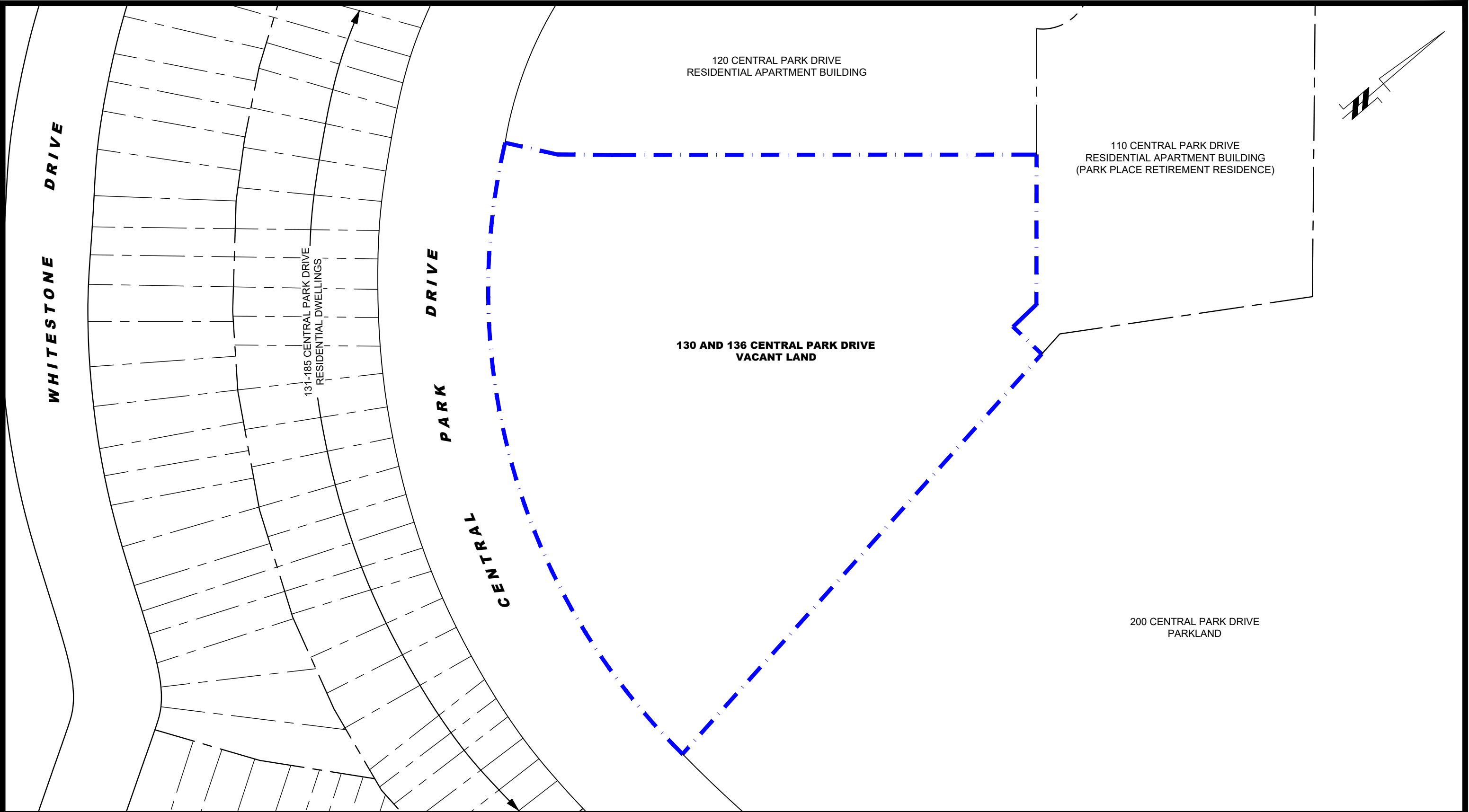


FIGURE 2
TOPOGRAPHIC MAP



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NO.	REVISIONS	DATE	INITIAL

ASHCROFT HOMES

PHASE I - ENVIRONMENTAL SITE ASSESSMENT

130 AND 136 CENTRAL PARK DRIVE

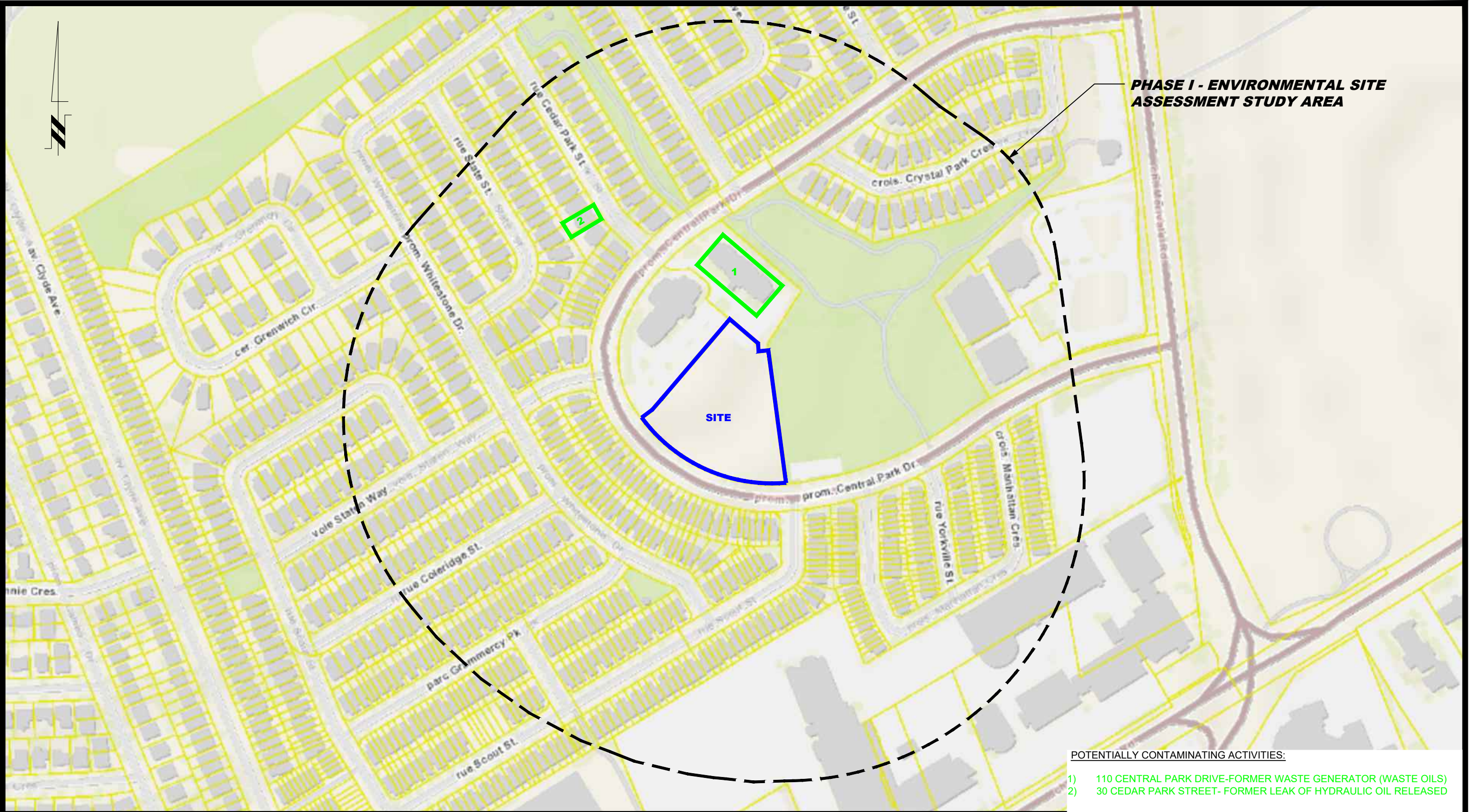
OTTAWA, ONTARIO

Title:

SITE PLAN

Scale:	1:750	Date:	03/2020
Drawn by:	YA	Report No.:	PE1455-1
Checked by:	MW	Dwg. No.:	PE1455-1
Approved by:	MSD	Revision No.:	

p:\autocad drawings\environmental\pe1455\pe1455-1-site plan.dwg



PHASE I - ENVIRONMENTAL SITE ASSESSMENT STUDY AREA

POTENTIALLY CONTAMINATING ACTIVITIES:

- 1) 110 CENTRAL PARK DRIVE-FORMER WASTE GENERATOR (WASTE OILS)
- 2) 30 CEDAR PARK STREET- FORMER LEAK OF HYDRAULIC OIL RELEASED

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NO.	REVISIONS	DATE	INITIAL

ASHCROFT HOMES
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
130 AND 136 CENTRAL PARK DRIVE
OTTAWA, ONTARIO
Title:
SURROUNDING LAND USE PLAN

Scale:	1:3000	Date:	03/2020
Drawn by:	YA	Report No.:	PE1455-1
Checked by:	MW	Dwg. No.:	PE1455-2
Approved by:	MSD	Revision No.:	

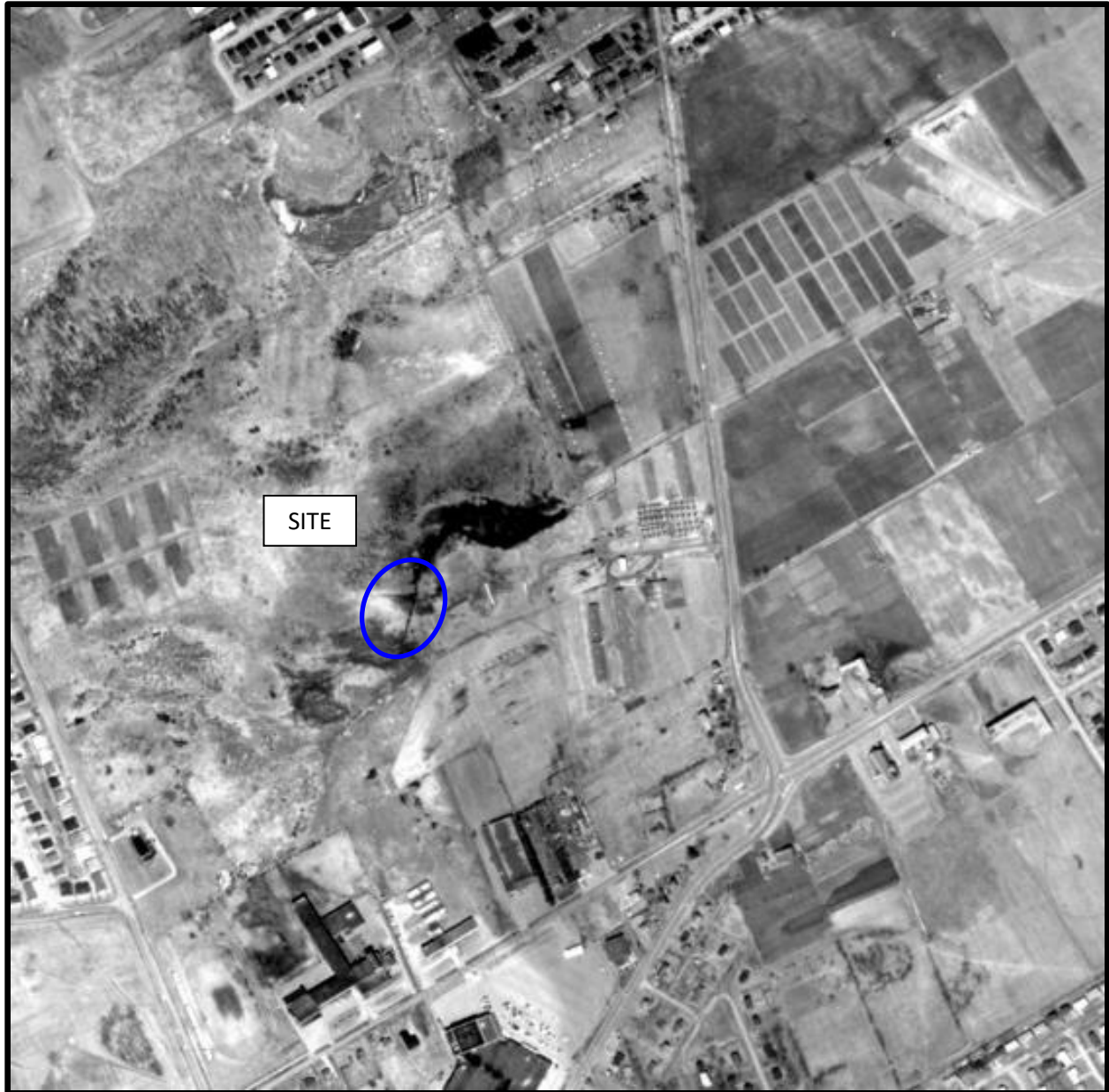
APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH
1958



AERIAL PHOTOGRAPH
1965



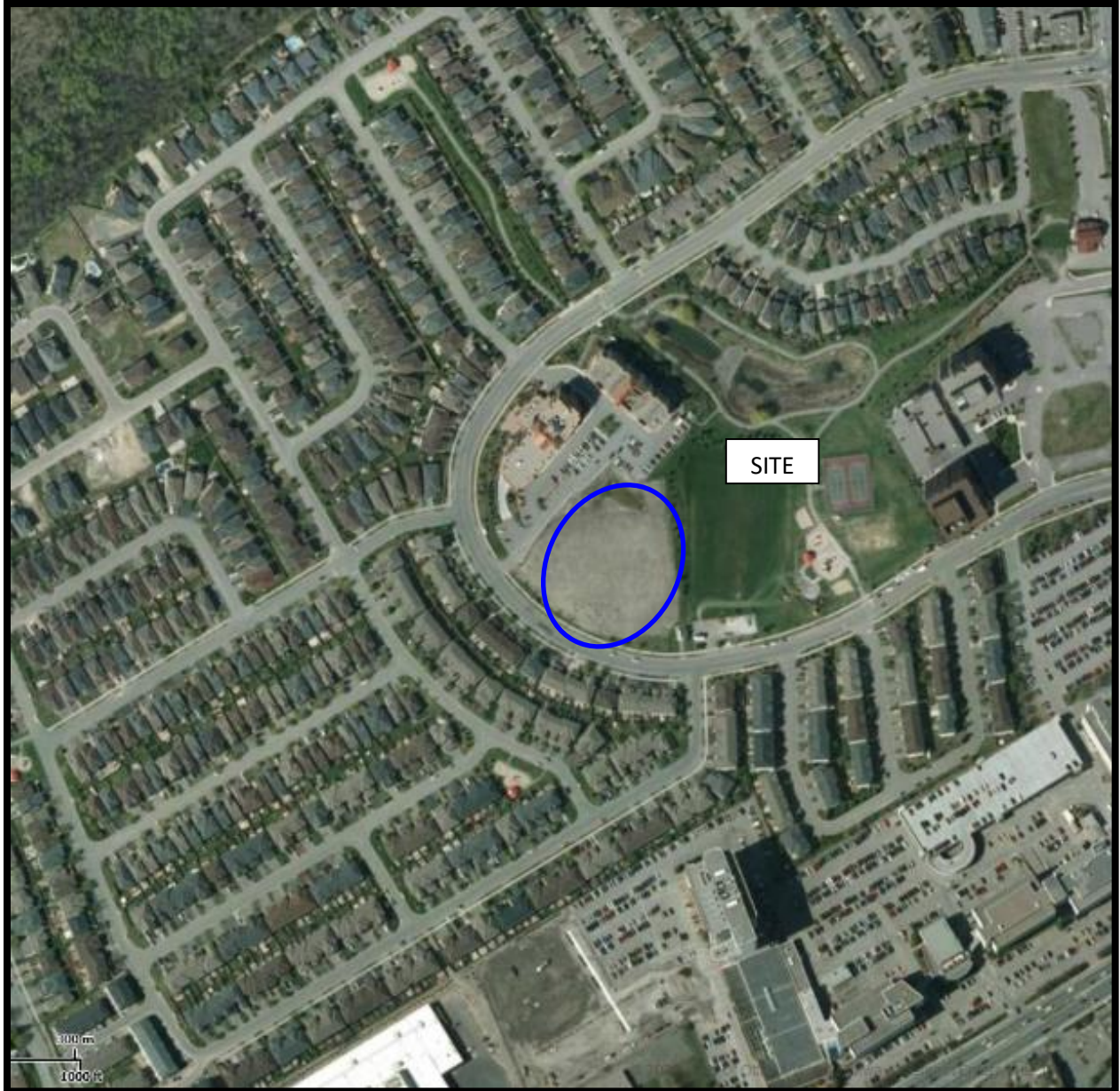
AERIAL PHOTOGRAPH
1976



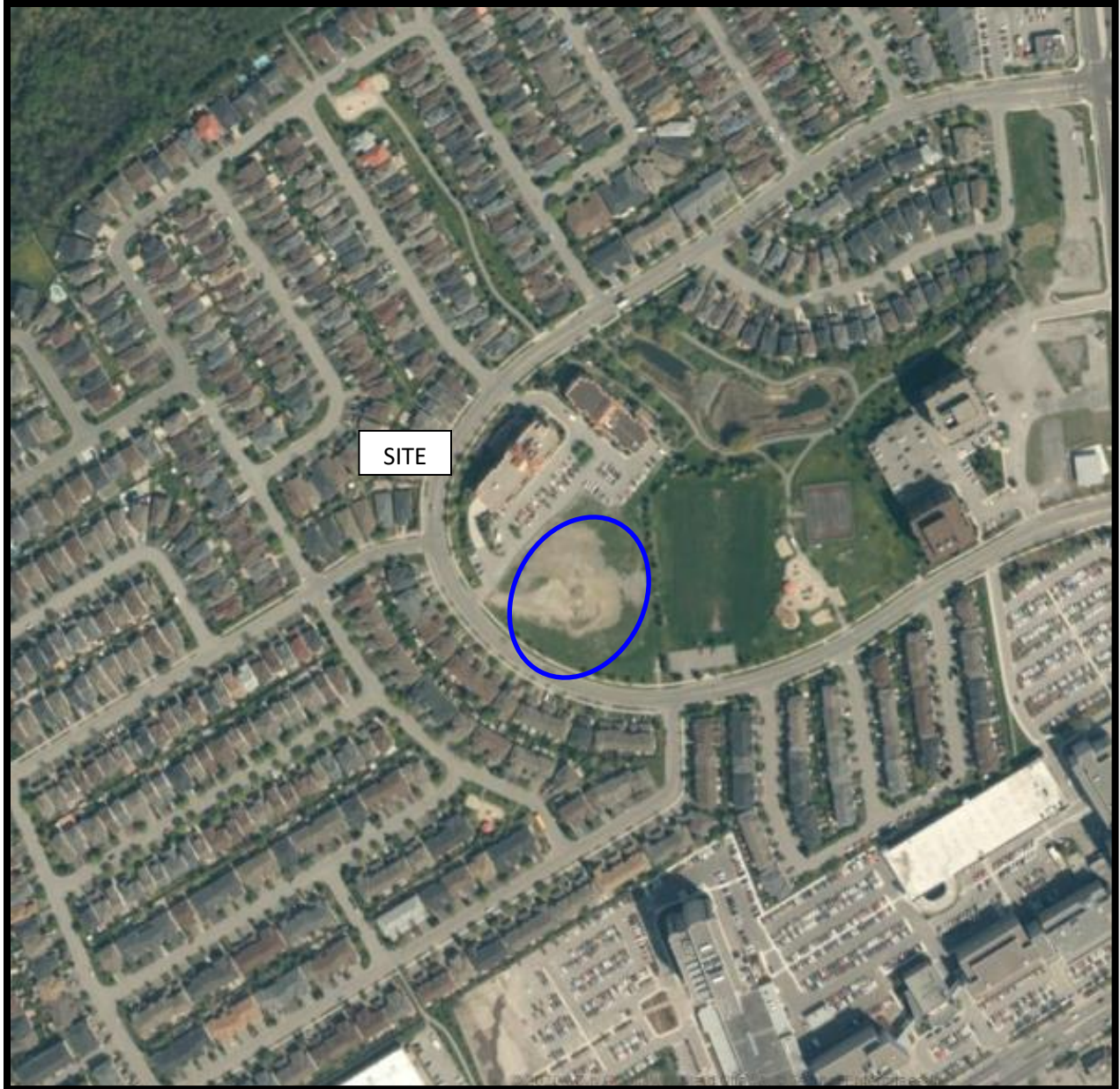
AERIAL PHOTOGRAPH
1991



AERIAL PHOTOGRAPH
2002



AERIAL PHOTOGRAPH
2011



AERIAL PHOTOGRAPH
2017

Site Photographs

PE1455

13- and 136 Central Park Drive – Ottawa, ON

February 27, 2019



Photograph 1: View of the Phase I Property, taken from the northwest corner of the property, looking south.



Photograph 2: Central view of the Phase I Property, taken from the west side of the property looking northeast.

Site Photographs

PE1455

13- and 136 Central Park Drive – Ottawa, ON

February 27, 2019



Photograph 3: View of the transformer on the southeast corner of the Phase I Property, taken from Central Park Drive, looking north.



Photograph 4: View of the Phase I Property, taken from Central Park Drive, looking west.

APPENDIX 2

MECP WELL RECORDS

CITY OF OTTAWA HLUI SEARCH

ERIS REPORT



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](#).

[Go Back to Map](#)

Well ID

Well ID Number: 7281887

Well Audit Number: Z214983

Well Tag Number: A190050

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

Well Location

Address of Well Location	1305-1424 BASELINE
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 442467.00
	Northing: 5023947.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
GREY	GRVL		DNSE	0 m	.61 m
BRWN	SAND	GRVL	SOFT	.61 m	1.22 m
GREY	LMSN		LYRD	1.22 m	7.62 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE	
.31 m	4.27 m	BENTONITE	
4.27 m	7.62 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	Monitoring Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	4.57 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	4.57 m	7.62 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

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 depth

Recommended pump rate

Well Production

Disinfected?

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 Details

Water Found at Depth Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	1.91 m	11.43 cm
1.91 m	7.62 m	8 cm

Audit Number: Z214983

Date Well Completed: January 24, 2017

Date Well Record Received by MOE: February 24, 2017

Updated: January 24, 2020

6 UTM 18 ft deepened to 200 ft.
 9 ft to 200 ft.
 9 R 5 0 2 3 5 2 10 N



Elev. 9 R 0320

Basin

2	5
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The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

city - OTTAWA

RECEIVED
JAN 17 1952
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

City = OTTAWA
County, Township, Village, Town or City... City View Ont.
... Base line Rd.
... City View Ont.
Date Completed... Nov 23... 1957... Cost of well (excluding pump)...
(day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s) .. 4 inch	Date .. Nov 25 1951
Length(s) of casing(s) .. 15 ft	Static level .. 15 ft
Type of screen .. —	Pumping level .. 20 ft
Length of screen .. —	Pumping rate .. 200 gal per hr
Distance from top of screen to ground level .. —	Duration of test .. 4 hrs
Is well a gravel-wall type? .. wall	Distance from cylinder or bowls to ground level .. —

Water Record

Kind (fresh or mineral) . . . *fresh*
 Quality (hard, soft, contains iron, sulphur, etc.) . . . *hard*
 Appearance (clear, cloudy, coloured) . . . *clear*
 For what purpose(s) is the water to be used? . . . *Domestic*

 How far is well from possible source of contamination? . . . *40 St.*
 What is the source of contamination? . . . *Septic tank*
 Enclose a copy of any mineral analysis that has been made of water.

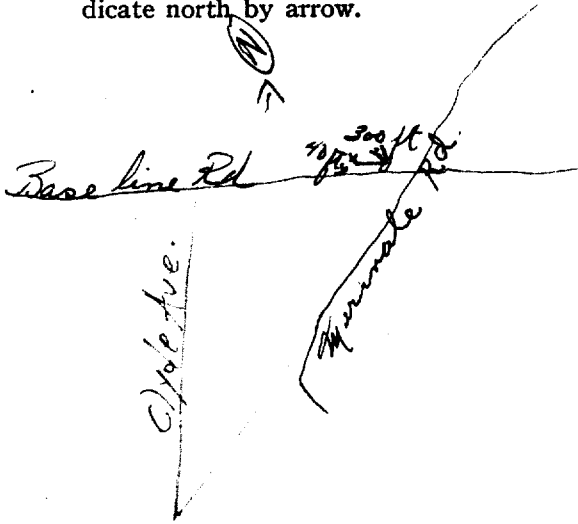
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
125 ft	fresh	105 ft
150 ft	"	130 ft
200 ft	"	182 ft

Well Log

[illegible]

Location of Well

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



Situation: Is well on upland, in valley, or on hillside? level ground
Drilling Firm... Stewart H. Halligan
Address... R.R. 1... Britannia Bay Ont.
Name of Driller... Bernard Halligan Address... 127 E. Main St. Ottawa
Date... Jan. 4, 1952 Licence Number... 429

Signature of Licensee *Bernard Kelly*

This well is in city of Ottawa BASE LINE ^{CSS 58} AND

196
1182442660E
5R510235810N
Elev. 4R03210
Basin 25



The Well Drillers Act
Department of Mines, Province of Ontario

15 No 8189
RECEIVED
NOV 2 1951
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

Country or Territorial District Carleton Township Ottawa Village, Town or City Ottawa
Town or City Britannia Bay
Date Completed Aug 15 (day) 1951 (month) 1951 (year) Cost of Well (excluding pump) 15

Pipe and Casing Record

Pumping Test

Casing diameter(s) <u>4"</u>	Date <u>Sept 7</u>
Length(s) of casing(s) <u>20'</u>	Static level <u>3.8'</u>
Type of screen	Pumping level
Length of screen	Pumping rate
Distance from top of screen to ground level	Duration of test <u>1 hr</u>
Is well a gravel-wall type?	Distance from cylinder or bowls to ground level

Water Record

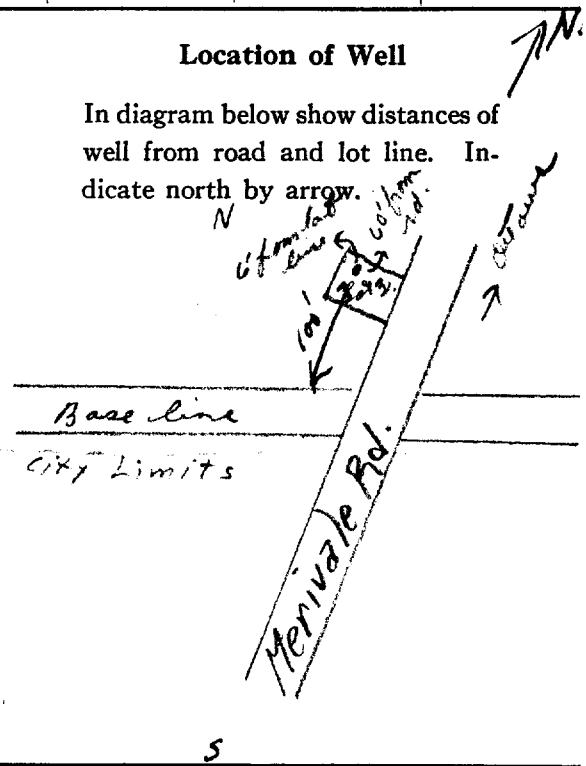
Kind (fresh or mineral) <u>fresh</u>	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Quality (hard, soft, contains iron, sulphur, etc.) <u>hard</u>	<u>150'</u>	<u>good</u>	<u>112</u>
Appearance (clear, cloudy, coloured) <u>clear</u>			
For what purpose(s) is the water to be used? <u>residential</u>			
How far is well from possible source of contamination? <u>35'</u>			
What is the source of contamination? <u>septic tank</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>Boulder clay</u>	<u>1'</u>	<u>4'</u>
<u>shale</u>	<u>4'</u>	<u>15'</u>
<u>Lime stone</u>	<u>15'</u>	<u>155'</u>

Location of Well

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



Situation: Is well on upland, in valley, or on hillside? uplands
Drilling Firm M. M. Leagus
Address Britannia Bay
Name of Driller M. M. Leagus Address Britannia Bay
Date Nov 22/51 Licence Number 112
Signature of Licensee M. M. Leagus

33 42645-
118 12

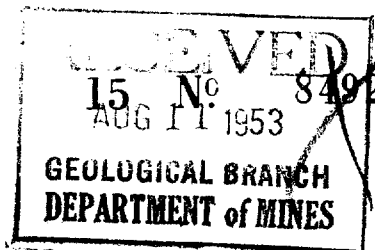
5R 50231645N

Elev. 4R 0320

Basin 25



ONTARIO



The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

Date Completed 30 July 1953 (day) (month) (year) Cost of Well (excluding pump) 468.50
p, Village, Town or City... Ottawa
Town or City... Merivale Rd.
S...

Pipe and Casing Record

Pumping Test

Casing diameter(s) 4" Date 30 July 1953
Length(s) of casing(s) 12' Static level 35'
Type of screen nil Pumping level 95'
Length of screen Pumping rate 300 G.P.H.
Distance from top of screen to ground level Duration of test 1 1/2 hours
Is well a gravel-wall type? no Distance from cylinder or bowls to ground level fails test

Water Record

Kind (fresh or mineral)	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
fresh	80'	clear	30'
Quality (hard, soft, contains iron, sulphur, etc.) hard	205'	-	170'
Appearance (clear, cloudy, coloured) clear			
For what purpose(s) is the water to be used? domestic			
How far is well from possible source of contamination? 30'			
What is the source of contamination? septic tank			
Enclose a copy of any mineral analysis that has been made of water. nil			

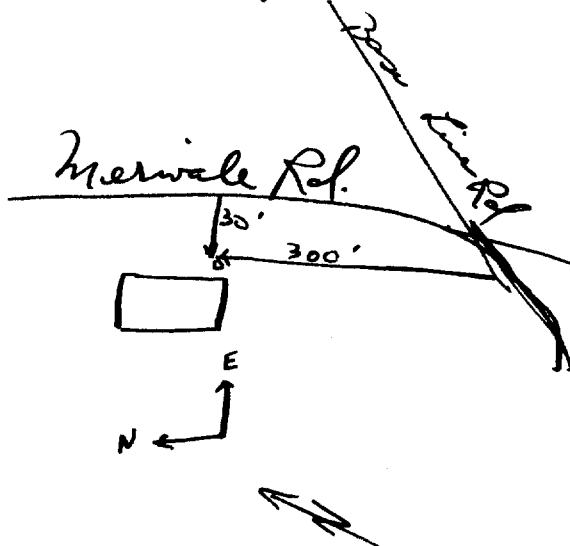
Well Log

Overburden and Bedrock Record

From	To
0 ft.	6 ft.
6'	205'

Location of Well

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



Situation: Is well on upland, in valley, or on hillside? Upland
Drilling Firm Blair Phillips
Address 614 Glenora St.
Name of Driller Date 30 July 1953 Licence Number 190
Signature of Licensee Blair Phillips

UTM 118 14 14 2 5 6 10 ^E
5 ^R 5 10 2 3 6 5 10 ^N
Elev. 4 ^R 0 3 2 10
Basin 2 5



The Water-well Drillers Act, 1944
Department of Mines



No. 8494

Water-Well Record

County or Territorial District... Carleton ... Township, Village, Town or City... Ottawa ...
Con... Chalkin ... Lot... house ... Street and Number (if in Village, Town or City)... Ottawa ...
Owner... Dominion Experimental Farm ... Address... Ottawa Ont ...
Date completed... 17 (day) - 12 (month) - 54 (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s) ... 6 ...
Length(s) ... 143 F ...
Type of screen ...
Length of screen ...

Static level ... 21 F ...
Pumping rate ... 250 g ...
Pumping level ... 28 F ...
Duration of test ...

Well Log

Water Record

Overburden and Bedrock Record

From
ft.

To
ft.

Depth (s)
at which
water (s)
found

No. of feet
water rises

Kind of water
(fresh, salty,
or sulphur)

Limestone
Limestone with shale
Sandstone with shale

0
118
182
200

118 F

97 F

fresh

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

pouring
Is water clear or cloudy? ... clear ...
Is well on upland, in valley, or on hillside? ...

Drilling firm... H. D. Mulligan ...
Address... R.R. 1, Britannia Bay, Ottawa ...

Name of Driller... Antoni Fero ...
Address... 327 Rochester St. Ottawa ...

Licence Number... 571 ...

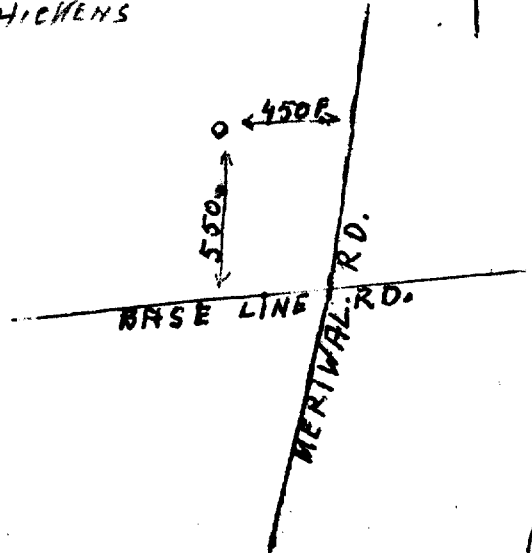
I certify that the foregoing
statements of fact are true.

Date... 17-12-54 ... Antoni Fero ...
Signature of Licensee

Location of Well

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

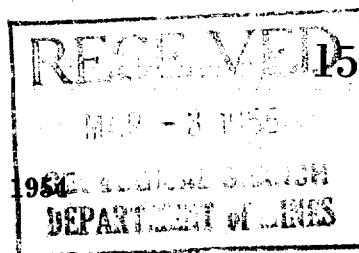
NEW-BLDG
FOR-CHICKENS



Basin	25				
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The Water-well Drillers Act, 1954
Department of Mines



№ 8496

w

Water-Well Record

County or Territorial District Carleton Township, Village, Town or City City of Ottawa
 Con. Lot Street and Number (if in Village, Town or City)
 Owner Experimental Farm CHICHEM-FARM Address City of Ottawa
 Date completed 7- 2 55
 (day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s)	6	Static level	20 F
Length(s)	74 F	Pumping rate	200 G.P.H.
Type of screen		Pumping level	21 F
Length of screen		Duration of test	

Well Log

Water Record

[illegible]

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

domestic

Is water clear or cloudy?.....*cloudy*.....

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

Drilling firm S. H. Mulliken

Address Britannia Boys' Home

Name of Driller Antoni Leon

Address 327 Rochester St. Ottawa

Licence Number.....571.....

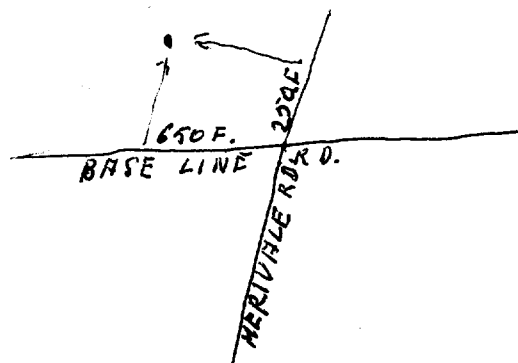
I certify that the foregoing
statements of fact are true.

Date. 10-2-55 Aubrey E. Cox

Signature of Licensee

Location of Well

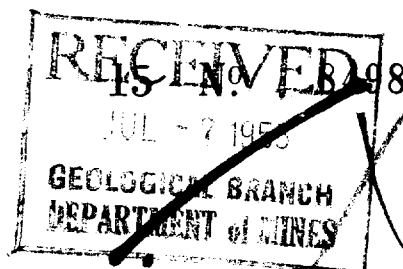
In diagram below show distances of well from road and lot line. Indicate north by arrow.



Basin | 25 | | | | |



Department of Mines



3W

Pipe and Cast Record

Pumping Test

Casing diameter(s)	Static level
Length(s)	Pumping rate
Type of screen	Pumping level
Length of screen	Duration of test

Well Log

Water Record

[illegible]

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

Domestic

Is water clear or cloudy?.....clear.....

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

Upland

Drilling firm S.H. Mulligan.....

Address Britannia Bar

FB #, 027

Name of Driller *C. J. Peter*

Address Britannia Bay

RB #, Out 2

Licence Number.....442.....

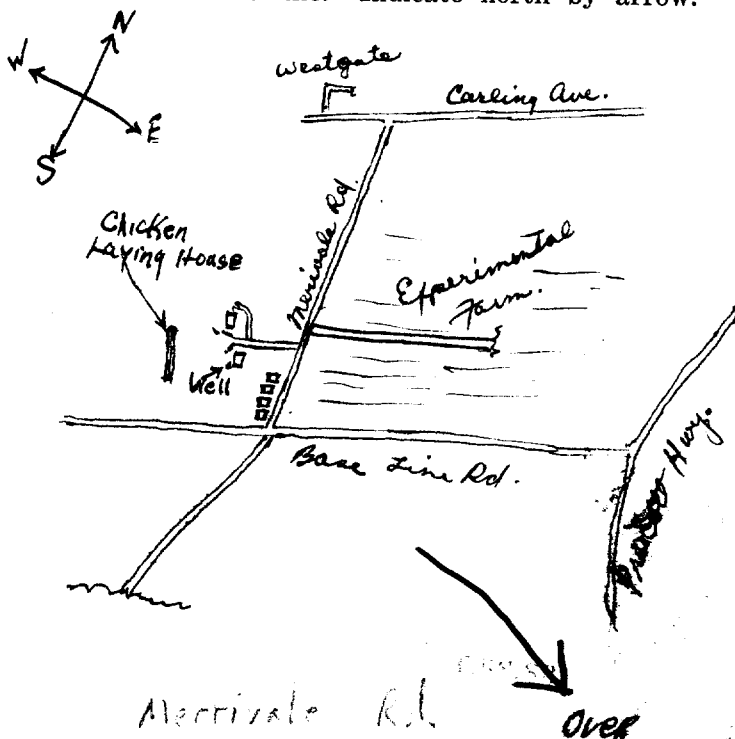
I certify that the foregoing
statements of fact are true.

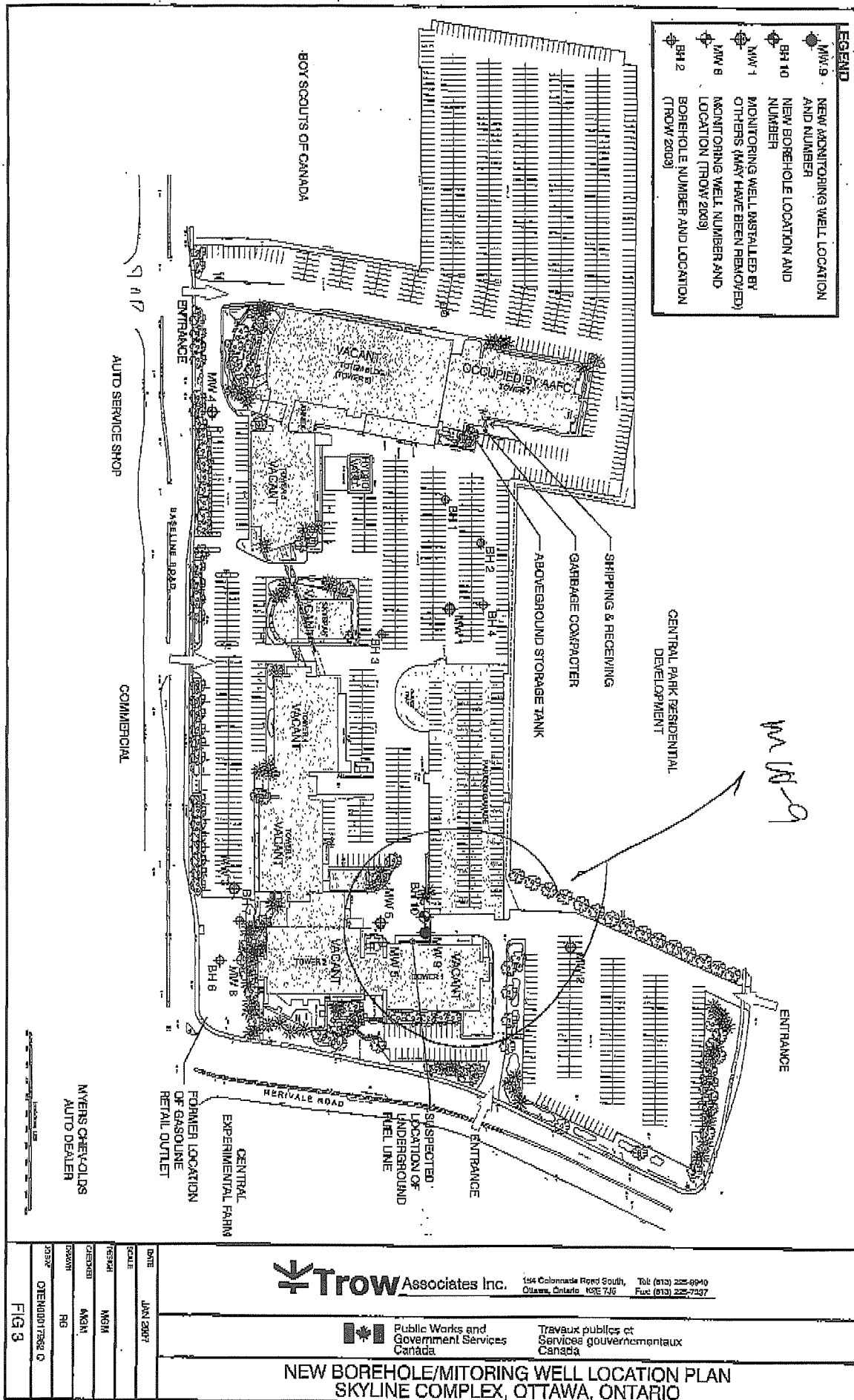
Date: June 27/55 L. Petrus

Signature of Licensee

Location of Well

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

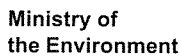




258330

APR 16 2007

1844



Well Tag No. (Place Sticker and/or Print Below)

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☒ Metric ☐ Imperial

A09297

A 092471

Page of

Well Owner's Information

First Name	Last Name / Organization	E-mail Address		<input type="checkbox"/> Well Constructed by Well Owner	
	Mr Transmission				
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)	
1292 Baseline Road	Ottawa	ON	K2C 0A9		

Well Location

Address of Well Location (Street Number/Name) 1292 Baseline				Township		Lot		Concession	
County/District/Municipality				City/Town/Village Ontario				Province Ontario	
UTM Coordinates				Zone		Easting		Northing	
NAD 83				18		442561		5023644	
				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
BLK	asphalt	gravel	loose	0	1.31
BRN	silt	sand, gravel	soft	1.31	1.22
BRN	sand	gravel	soft	1.22	3.66

Annular Space

Depth Set at (m/ft)		Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
From	To		
0	0.31	concrete/flush mount	
0.31	1.83	bentonite	
1.83	3.66	filter sand	

Method of Construction

- | | | | | |
|---|----------------------------------|---|---|--|
| <input type="checkbox"/> Cable Tool | <input type="checkbox"/> Diamond | <input type="checkbox"/> Public | <input type="checkbox"/> Commercial | <input type="checkbox"/> Not used |
| <input type="checkbox"/> Rotary (Conventional) | <input type="checkbox"/> Jetting | <input type="checkbox"/> Domestic | <input type="checkbox"/> Municipal | <input type="checkbox"/> Dewatering |
| <input type="checkbox"/> Rotary (Reverse) | <input type="checkbox"/> Driving | <input type="checkbox"/> Livestock | <input checked="" type="checkbox"/> Test Hole | <input checked="" type="checkbox"/> Monitoring |
| <input type="checkbox"/> Boring | <input type="checkbox"/> Digging | <input type="checkbox"/> Irrigation | <input type="checkbox"/> Cooling & Air Conditioning | |
| <input type="checkbox"/> Air percussion | | <input type="checkbox"/> Industrial | | |
| <input checked="" type="checkbox"/> Other, specify <u>Direct Push</u> | | <input type="checkbox"/> Other, specify _____ | | |

Well Use

- | | | | | |
|---|----------------------------------|---|---|--|
| <input type="checkbox"/> Cable Tool | <input type="checkbox"/> Diamond | <input type="checkbox"/> Public | <input type="checkbox"/> Commercial | <input type="checkbox"/> Not used |
| <input type="checkbox"/> Rotary (Conventional) | <input type="checkbox"/> Jetting | <input type="checkbox"/> Domestic | <input type="checkbox"/> Municipal | <input type="checkbox"/> Dewatering |
| <input type="checkbox"/> Rotary (Reverse) | <input type="checkbox"/> Driving | <input type="checkbox"/> Livestock | <input checked="" type="checkbox"/> Test Hole | <input checked="" type="checkbox"/> Monitoring |
| <input type="checkbox"/> Boring | <input type="checkbox"/> Digging | <input type="checkbox"/> Irrigation | <input type="checkbox"/> Cooling & Air Conditioning | |
| <input type="checkbox"/> Air percussion | | <input type="checkbox"/> Industrial | | |
| <input checked="" type="checkbox"/> Other, specify <u>Direct Push</u> | | <input type="checkbox"/> 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)		
			From	To	
5.20	PVC	.390	0	2.13	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input checked="" type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, (fill in)

Status of Well

- ☐ Water Supply
☐ Replacement Well
☒ Test Hole
☐ Recharge Well
☐ Dewatering Well
☒ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*

☐ Other, *specify*

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
6.03	PVC	10	2.13	3.66

☐ Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

Water found at Depth		Depth (m/ft)		Diameter
(m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	From	To	(cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0	3.66	11.43
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____			
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____			

Hole Diameter

Depth (m/ft)		Diameter (cm/in)
From	To	
0	3.66	11.43

Well Contractor and Well Technician Information

Business Name of Well Contractor Strata Soil Sampling Inc.		Well Contractor's Licence No. 7241	
Business Address (Street Number/Name) #2-147 West Beaver Creek Ad.		Municipality Richmond Hill	
Province	Postal Code	Business E-mail Address	

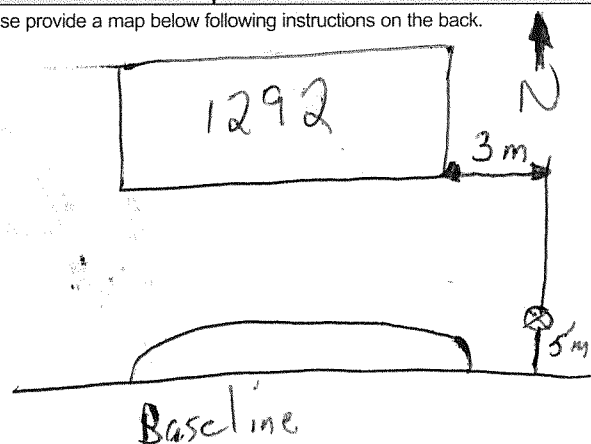
Bus. Telephone No. (inc. area code)		Name of Well Technician (Last Name, First Name)	
905764 9304		McCoy, James	
Well Technician's Licence No.		Signature of Technician and/or Contractor	
3656		[Signature]	
		Date Submitted	
		20/2/2008	

Results of Well Yield Testing

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well owner's information package delivered	Date Package Delivered	Ministry Use Only Audit No. z 148631 JUN 19 2012
	Date Work Completed	



Ministry of
the Environment

Well Tag No. (Place Sticker and/or Print Below)

S-13103

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Measurements recorded in: ☐ Metric ☐ Imperial

Well Owner's Information

First Name	Last Name / Organization First Capital	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name)		Municipality	Province
		Postal Code	Telephone No. (inc. area code)

Well Location

Address of Well Location (Street Number/Name) 1306 Baseline Road		Township	Lot	Concession
County/District/Municipality		City/Town/Village Ottawa	Province Ontario	Postal Code
UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number
NAD 83	18	442537	5073627	

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)
BLK	asphalt	gravel	loose	0 .3
BRN	sand	silt	50 ft	.3 3.1
GRY	limestone		hard, layered, dry	3.1 10.67

Annular Space			
Depth Set at (m/ft)	To	Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
0 .3		concrete flush mount	
.3 5.79		bentonite	
5.79 10.67		filter sand	

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	From	To
4.03	PVC	.36	0		6.1

<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 checked="" 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 type="checkbox"/> Abandoned, other, specify
<input type="checkbox"/> Other, specify	

Construction Record - Screen			
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)
4.82	PVC	10	6.1 10.67

Water Details		Hole Diameter	
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	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 3.35	11.43
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	3.35 10.67	7.62
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		

Well Contractor and Well Technician Information			
Business Name of Well Contractor Strata Drilling Group		Well Contractor's Licence No. 7241	
Business Address (Street Number/Name) 147 West Beaver Creek		Municipality Richmond Hill	
Province ON	Postal Code L4B1G6	Business E-mail Address wrecords@stratasoil.com	
Bus. Telephone No. (inc. area code) 905 764 9304		Name of Well Technician (Last Name, First Name) McLoy, James	
Well Technician's Licence No. 3656		Signature of Technician and/or Contractor <i>[Signature]</i>	
		Date Submitted 2012 11 09	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, <i>specify</i> _____	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	
Recommended pump depth (m/ft)	20		20	
	25		25	
Recommended pump rate (l/min / GPM)	30		30	
Well production (l/min / GPM)	40		40	
	50		50	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	60		60	

Map of Well Location	
Please provide a map below following instructions on the back.	
Comments:	
Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered 2012 11 09
Date Work Completed 2012 11 09	Ministry Use Only Audit No. 2156888 NOV 09 2012

154 Colonnade Road South
Ottawa, Ontario
Canada, K2E 7J5
Tel: (613) 226-7381
Fax: (613) 226-6344

February 25, 2020
File: PE1455-HLUI

City of Ottawa
110 Laurier Avenue W
Ottawa, Ontario
K1P 1J1

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Geological Engineering
Materials Testing
Building Science
Archaeological Services

www.patersongroup.ca

Subject: **Authorization Letter, HLUI Search
Phase I-Environmental Site Assessment
130 & 136 Central Park, Ottawa ON**

Dear Madame,

Please consider this letter as confirmation that Paterson Group has been retained to conduct a Phase I-Environmental Site Assessment at the aforementioned property.

With this letter, the property owner authorizes the City of Ottawa and other regulatory bodies to release, to Paterson Group, information requested for the purpose of completing an environmental assessment of the property.

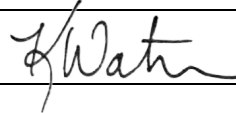
Name of Company/Property Owner:

Ashcroft Homes

Name of Representative

Kieran Watson, Planner

Signature of Representative



Date

Feb. 26, 2020



DATABASE **REPORT**

Project Property: *PE1455 - 130 & 136 Central Park Drive
130 & 136 Central Park (150 Central Park
Drive), Ottawa
Ottawa ON K2C 4G3*

Project No: *29585*

Report Type: *Standard Report*

Order No: *20200226159*

Requested by: *Paterson Group Inc.*

Date Completed: *March 2, 2020*

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Executive Summary

Property Information:

Project Property: PE1455 - 130 & 136 Central Park Drive
130 & 136 Central Park (150 Central Park Drive), Ottawa Ottawa ON K2C 4G3

Project No: 29585

Coordinates:

Latitude:	45.3673597
Longitude:	-75.7367745
UTM Northing:	5,024,024.72
UTM Easting:	442,303.18
UTM Zone:	18T

Elevation: 321 FT
97.92 M

Order Information:

Order No: 20200226159
Date Requested: February 26, 2020
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	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	2	2
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	2	2
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FED TANKS	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	1	1
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	1	1

Database	Name	Searched	Project Property	Within 0.25 km	Total
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	1	1
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	2	2
		Total:	0	10	10

Executive Summary: Site Report Summary - Project Property

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>1</u>	GEN	Voyageur Realty Ltd.	110 Central Park Ottawa ON K2C 4G3	WNW/29.8	0.95	<u>13</u>
<u>2</u>	EHS		120 Central Park Drive Ottawa ON	NNW/64.0	0.95	<u>13</u>
<u>3</u>	EHS		120 Central Park Drive Ottawa ON	NW/68.5	0.95	<u>13</u>
<u>4</u>	INC		9 STATEN WAY, OTTAWA ON	W/134.3	0.95	<u>13</u>
<u>5</u>	ECA	Ashcroft Developments Inc.	Central Park Whitestone Drive and State Ottawa ON K2E 1A9	NNE/174.5	0.82	<u>14</u>
<u>5</u>	ECA	Ashcroft Developments Inc.	Central Park Whitestone Drive and State Ottawa ON K2E 1A9	NNE/174.5	0.82	<u>15</u>
<u>6</u>	SPL	PRIVATE OWNER	IN FRONT OF 30 CEDAR PARK DRIVE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K2C 4C2	NW/175.0	1.65	<u>15</u>
<u>7</u>	WWIS		Ottawa ON Well ID: 7281887	ESE/181.3	-2.38	<u>15</u>
<u>8</u>	WWIS		ON Well ID: 1508497	E/209.3	-3.05	<u>18</u>
<u>9</u>	SCT	Roselli Chemicals Inc.	52 Crystal Park Cres Ottawa ON K2C 4A3	NE/249.1	0.06	<u>21</u>

Executive Summary: Summary By Data Source

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jan 31, 2020 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Ashcroft Developments Inc.	Central Park Whitestone Drive and State Ottawa ON K2E 1A9	NNE	174.48	<u>5</u>
Ashcroft Developments Inc.	Central Park Whitestone Drive and State Ottawa ON K2E 1A9	NNE	174.48	<u>5</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2020 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	120 Central Park Drive Ottawa ON	NNW	63.99	<u>2</u>
	120 Central Park Drive Ottawa ON	NW	68.49	<u>3</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jan 31, 2020 has found that there are 1 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Voyageur Realty Ltd.	110 Central Park Ottawa ON K2C 4G3	WNW	29.83	<u>1</u>

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated Feb 28, 2017 has found that there are 1 INC 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>
	9 STATEN WAY, OTTAWA ON	W	134.29	<u>4</u>

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 1 SCT 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>
Roselli Chemicals Inc.	52 Crystal Park Cres Ottawa ON K2C 4A3	NE	249.13	<u>9</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2019 has found that there are 1 SPL 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>
PRIVATE OWNER	IN FRONT OF 30 CEDAR PARK DRIVE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K2C 4C2	NW	174.98	<u>6</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 2 WWIS site(s) within approximately 0.25 kilometers of the project property.

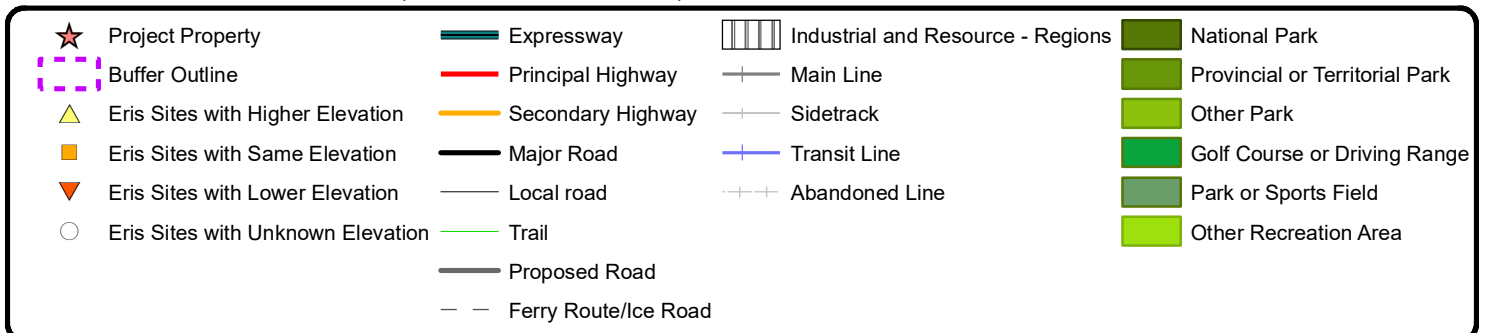
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Ottawa ON <i>Well ID: 7281887</i>	ESE	181.32	<u>7</u>
	ON <i>Well ID: 1508497</i>	E	209.30	<u>8</u>

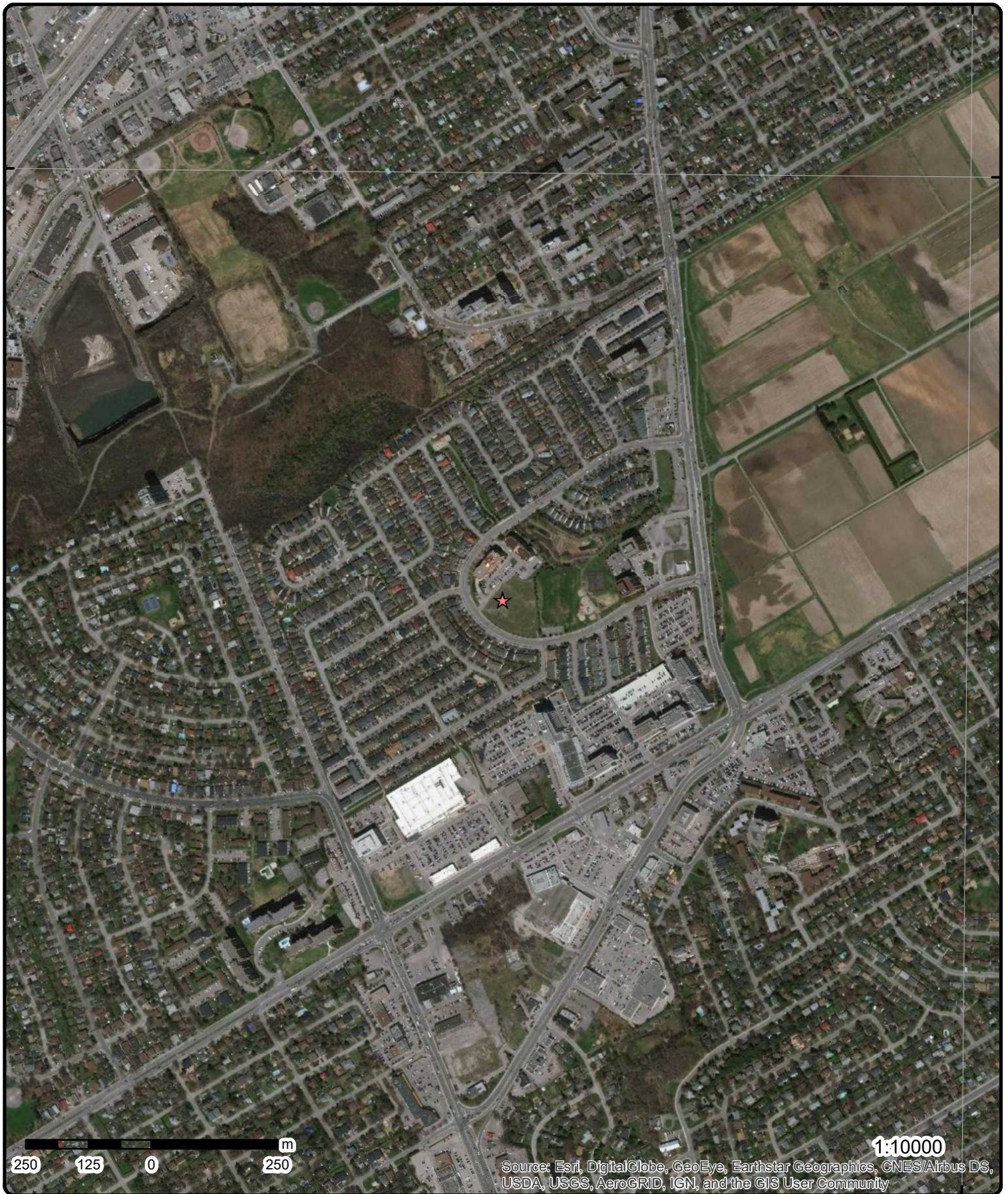


Map : 0.25 Kilometer Radius

Order Number: 20200226159

Address: 130 & 136 Central Park (150 Central Park Drive), Ottawa, Ottawa, ON





Aerial Year: 2019

Address: 130 & 136 Central Park (150 Central Park Drive), Ottawa, Ott

Source: ESRI World Imagery

Order Number: 20200226159

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



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75°45'W

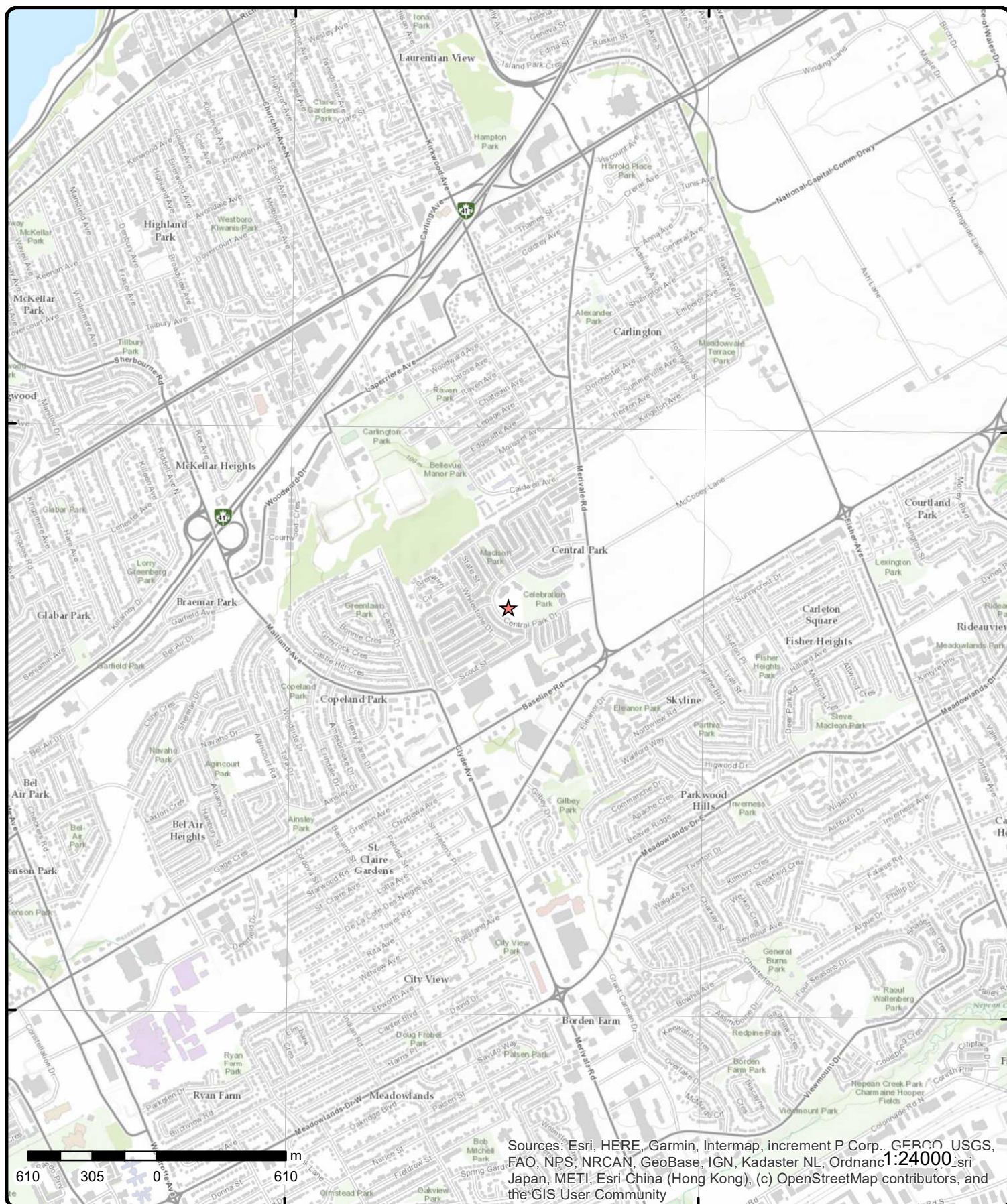
75°43'30"W

45°22'30"N

45°22'30"N

45°21'N

45°21'N



Topographic Map

Address: 130 & 136 Central Park (150 Central Park Drive), Ottawa, ON

Source: ESRI World Topographic Map

Order Number: 20200226159



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	WNW/29.8	98.9 / 0.95	Voyageur Realty Ltd. 110 Central Park Ottawa ON K2C 4G3	GEN
Generator No: ON6883767				PO Box No:	
Status: Registered				Country: Canada	
Approval Years: As of Dec 2017				Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
Detail(s)					
Waste Class:		251 L			
Waste Class Desc:		Waste oils/sludges (petroleum based)			
2	1 of 1	NNW/64.0	98.9 / 0.95	120 Central Park Drive Ottawa ON	EHS
Order No: 20070123012				Nearest Intersection:	
Status: C				Municipality:	
Report Type: CAN - Custom Report				Client Prov/State:	
Report Date: 1/23/2007				Search Radius (km): 2	
Date Received: 1/23/2007				X: -75.736945	
Previous Site Name:				Y: 45.367923	
Lot/Building Size:					
Additional Info Ordered:					
3	1 of 1	NW/68.5	98.9 / 0.95	120 Central Park Drive Ottawa ON	EHS
Order No: 20070110003				Nearest Intersection:	
Status: C				Municipality:	
Report Type: CAN - Custom Report				Client Prov/State:	
Report Date: 1/18/2007				Search Radius (km): 0.25	
Date Received: 1/10/2007				X: -75.737185	
Previous Site Name:				Y: 45.367904	
Lot/Building Size:					
Additional Info Ordered: Fire Insur. Maps And /or Site Plans					
4	1 of 1	W/134.3	98.9 / 0.95	9 STATEN WAY, OTTAWA ON	INC
Incident No: 1581552					
Incident ID:					
Attribute Category: FS-Perform L1 Incident Insp					
Status Code:					
Incident Location: 9 STATEN WAY, OTTAWA - CO RELEASE					
Drainage System:					
Sub Surface Contam.:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Aff. Prop. Use Water: Contam. Migrated: Contact Natural Env.: Near Body of Water: Approx. Quant. Rel.: Equipment Model: Serial No: Residential App. Type: Commercial App. Type: Industrial App. Type: Institutional App. Type: Venting Type: Vent Connector Mater: Vent Chimney Mater: Pipeline Type: Pipeline Involved: Pipe Material: Depth Ground Cover: Regulator Location: Regulator Type: Operation Pressure: Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: Equipment Type: Cylinder Capacity: Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Fuels Occurrence Type: Fuel Type Involved: Date of Occurrence: Time of Occurrence: Occur Insp Start Date: Any Health Impact: Any Environmental Impact: Was Service Interrupted: Was Property Damaged: Operation Type Involved: Enforcement Policy: Prc Escalation Required: Task No: Notes: Occurrence Narrative: Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac: Liquid Prop Notes:					
		CO Release			
		Natural Gas			
		2015/02/24 00:00:00			
		10:00:00			
		2015/02/24 00:00:00			
		No			
		No			
		Yes			
		No			
		Private Dwelling			
		NULL			
		NULL			
		5376818			
		CO detector alarm			

<u>5</u>	1 of 2	NNE/174.5	98.7 / 0.82	Ashcroft Developments Inc. Central Park Whitestone Drive and State Ottawa ON K2E 1A9	ECA
Approval No:	6761-4KPQJB			MOE District:	Ottawa
Approval Date:	2000-06-02			City:	
Status:	Amended			Longitude:	-75.7313
Record Type:	ECA			Latitude:	45.3719000000000004
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	Central Park Whitestone Drive and State				
Full Address:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/6161-4KPNAN-14.pdf			
5	2 of 2	NNE/174.5	98.7 / 0.82	Ashcroft Developments Inc. Central Park Whitestone Drive and State Ottawa ON K2E 1A9	ECA
Approval No: 6761-4KPQJB Approval Date: 2000-08-24 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: Central Park Whitestone Drive and State Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4653-4NGJZP-14.pdf		MOE District: Ottawa City: Longitude: -75.7313 Latitude: 45.3719000000000004 Geometry X: Geometry Y:			
6	1 of 1	NW/175.0	99.6 / 1.65	PRIVATE OWNER IN FRONT OF 30 CEDAR PARK DRIVE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K2C 4C2	SPL
Ref No: 230066 Site No: Incident Dt: 6/28/2002 Year: Incident Cause: PIPE/HOSE LEAK Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: POSSIBLE Nature of Impact: Soil contamination Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 6/28/2002 Dt Document Closed: Incident Reason: EQUIPMENT FAILURE Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: SEWERMATIC TRUCK--BLEW A PUMP, 120 L HYDRAULIC OIL TO ROAD, CLEANING Contaminant Qty:		Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 20107 Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:			
7	1 of 1	ESE/181.3	95.5 / -2.38	Ottawa ON	WWIS
Well ID: 7281887 Construction Date: Primary Water Use: Test Hole Sec. Water Use: Monitoring Final Well Status: Monitoring and Test Hole Water Type: Casing Material: Audit No: Z214983		Data Entry Status: Data Src: Date Received: 2/24/2017 Selected Flag: Yes Abandonment Rec: Contractor: 7241 Form Version: 7 Owner:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006603849			
Layer:		1			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Other Materials:					
Mat3:		66			
Other Materials:		DENSE			
Formation Top Depth:		0			
Formation End Depth:		0.61			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006603862			
Layer:		3			
Plug From:		4.27			
Plug To:		7.62			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006603860			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006603861			
Layer:		2			
Plug From:		0.31			
Plug To:		4.27			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006603848			
Casing No:		0			
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		1006603855			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		4.57			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006603856			
Layer:		1			
Slot:		10			
Screen Top Depth:		4.57			
Screen End Depth:		7.62			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<u>Hole Diameter</u>					
Hole ID:		1006603852			
Diameter:		11.43			
Depth From:		0			
Depth To:		1.91			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1006603853			
Diameter:		8			
Depth From:		1.91			
Depth To:		7.62			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>8</u>	1 of 1	E/209.3	94.9 / -3.05	ON	WWIS
Well ID:	1508497			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Livestock			Date Received:	7/7/1955
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3718
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	10030531			Elevation:	99.304611
DP2BR:	0			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	h			East83:	442510.7
Code OB Desc:	Mixed in a Layer			North83:	5024052
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	4/30/1955			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931009818				
Layer:	2				
Color:					
General Color:					
Mat1:	15				
Most Common Material:	LIMESTONE				
Mat2:	17				
Other Materials:	SHALE				
Mat3:					
Other Materials:					
Formation Top Depth:	195				
Formation End Depth:	300				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931009817				
Layer:	1				
Color:					
General Color:					
Mat1:	24				
Most Common Material:	PREV. DRILLED				
Mat2:	15				
Other Materials:	LIMESTONE				
Mat3:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	195				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:	1				
Method Construction:	Cable Tool				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10579101			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930053705			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		125			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930053706			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		300			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991508497			
Pump Set At:					
Static Level:		30			
Final Level After Pumping:		125			
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:		8			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Water Details</u>					
Water ID:		933463023			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		300			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Water Details</u>					
Water ID:		933463022			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		225			
Water Found Depth UOM:		ft			
<u>9</u>	1 of 1	NE/249.1	98.0 / 0.06	Roselli Chemicals Inc. 52 Crystal Park Cres Ottawa ON K2C 4A3	SCT
Established:		1997			
Plant Size (ft²):		2000			
Employment:		5			
<u>--Details--</u>					
Description:		Soap and Cleaning Compound Manufacturing			
SIC/NAICS Code:		325610			

Unplottable Summary

Total: 15 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA		Central Park, Whitestone Drive and State Street	Ottawa ON	
CA		Central Park, Whitestone Drive and State Street	Ottawa ON	
CA		Central Park, Whitestone Drive and State Street	Ottawa ON	
CA	Central Park Subdivision	Grammarcy Park, Scout Street and Jenscott Private	Ottawa ON	
CA	Central Park Subdivision	Grammarcy Park, Scout Street and Jenscott Private	Ottawa ON	
CA	ASHCROFT DEVELOPMENT INC.	CENTRAL PARK DR/SUBD.PH.2	OTTAWA CITY ON	
CA	ASHCROFT DEVELOPMENT INC.	CENTRAL PARK DR., SWM FACILITY	OTTAWA CITY ON	
CA	ASHCROFT DEVELOPMENT INC.	CENTRAL PARK DR/SUBD.PH.2	OTTAWA CITY ON	
CA	ASHCROFT DEVELOPMENT INC.	CENTRAL PARK DR. (SWM)	OTTAWA CITY ON	
CA	ASHCROFT DEVELOPMENT INC.	SUBD/PH.2/CENTRAL PARK DR.	OTTAWA ON	
CA		Central Park, Whitestone Drive and State Street	Ottawa ON	
CA	LONDON LIFE INS. CO. & BESNER VERED (198	LOT N,CON.A/RIDEAU FRONT	OTTAWA ON	
CA	ASHCROFT DEVELOPMENT INC.	SUBD/PH.2/CENTRAL PARK DR.	OTTAWA ON	
WWIS		con A	ON	
WWIS		con A	ON	

Unplottable Report

Site: *Central Park, Whitestone Drive and State Street Ottawa ON* **Database:** [CA](#)

Certificate #: 2202-4KPRGY
Application Year: 00
Issue Date: 8/24/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: Notice
Client Name: Ashcroft Developments Inc.
Client Address: 18 Antares Drive
Client City: Nepean
Client Postal Code: K2E 1A9
Project Description: Street names updated to Scout Street, Coleridge Street, Grammercy Park, Whitestone Drive, State Street, Greenwich Circle, and Niki Way.
Contaminants:
Emission Control:

Site: *Central Park, Whitestone Drive and State Street Ottawa ON* **Database:** [CA](#)

Certificate #: 6761-4KPQJB
Application Year: 00
Issue Date: 6/2/00
Approval Type: Municipal & Private sewage
Status: Amended
Application Type: New Certificate of Approval
Client Name: Ashcroft Developments Inc.
Client Address: 18 Antares Drive
Client City: Nepean
Client Postal Code: K2E 1A9
Project Description: This is an application for a Municipal and Private Sewage Certificate of Approval to construct sanitary sewers and storm sewers
Contaminants:
Emission Control:

Site: *Central Park, Whitestone Drive and State Street Ottawa ON* **Database:** [CA](#)

Certificate #: 6761-4KPQJB
Application Year: 00
Issue Date: 8/24/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: Notice
Client Name: Ashcroft Developments Inc.
Client Address: 18 Antares Drive
Client City: Nepean
Client Postal Code: K2E 1A9
Project Description: Updated street names to Scout Street, Coleridge Street, Grammercy Park, Whitestone Drive, State Street, Niki Way, and Greenwich Circle
Contaminants:
Emission Control:

Site: *Central Park Subdivision
Grammarcy Park, Scout Street and Jenscott Private Ottawa ON* **Database:** [CA](#)

Certificate #: 2490-4Z9LUQ
Application Year: 01
Issue Date: 8/3/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: 1394843 Ontario Limited
Client Address: 18 Antares Drive
Client City: Ottawa
Client Postal Code: K2E 1A9
Project Description: Construction of Sanitary Sewers and Storm Sewers on Grammarcy Park, Scout Street and Jenscott Private in Central Park Subdivision
Contaminants:
Emission Control:

Site: **Central Park Subdivision**
Grammarcy Park, Scout Street and Jenscott Private Ottawa ON

Database:
CA

Certificate #: 7762-4Z9LKG
Application Year: 01
Issue Date: 8/3/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: 1394843 Ontario Limited
Client Address: 18 Antares Drive
Client City: Ottawa
Client Postal Code: K2E 1A9
Project Description: Construction of Watermains in Central Park Subdivision on Grammarcy Park, Scout Street and Jenscott Private in the City of Ottawa
Contaminants:
Emission Control:

Site: **ASHCROFT DEVELOPMENT INC.**
CENTRAL PARK DR/SUBD.PH.2 OTTAWA CITY ON

Database:
CA

Certificate #: 3-0699-99-
Application Year: 99
Issue Date: 6/29/1999
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **ASHCROFT DEVELOPMENT INC.**
CENTRAL PARK DR., SWM FACILITY OTTAWA CITY ON

Database:
CA

Certificate #: 3-0385-99-
Application Year: 99
Issue Date: 5/21/1999
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: ASHCROFT DEVELOPMENT INC.
CENTRAL PARK DR/SUBD.PH.2 OTTAWA CITY ON

Database:
CA

Certificate #: 7-0466-99-
Application Year: 99
Issue Date: 6/29/1999
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ASHCROFT DEVELOPMENT INC.
CENTRAL PARK DR. (SWM) OTTAWA CITY ON

Database:
CA

Certificate #: 3-1286-97-
Application Year: 97
Issue Date: 11/3/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ASHCROFT DEVELOPMENT INC.
SUBD/PH.2/CENTRAL PARK DR. OTTAWA ON

Database:
CA

Certificate #: 7-0387-98-
Application Year: 98
Issue Date: 5/20/1998
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Central Park, Whitestone Drive and State Street Ottawa ON

Database:
CA

Certificate #: 2202-4KPRGY
Application Year: 00
Issue Date: 6/2/00
Approval Type: Municipal & Private water
Status: Amended
Application Type: New Certificate of Approval

Client Name: Ashcroft Developments Inc.
Client Address: 18 Antares Drive
Client City: Nepean
Client Postal Code: K2E 1A9
Project Description: This is an application for a Municipal and Private Water Certificate of Approval to construct watermain
Contaminants:
Emission Control:

Site: LONDON LIFE INS. CO. & BESNER VERED (198
LOT N,CON.A/RIDEAU FRONT OTTAWA ON

Database:
CA

Certificate #: 3-1042-98-
Application Year: 98
Issue Date: 8/20/1998
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ASHCROFT DEVELOPMENT INC.
SUBD/PH.2/CENTRAL PARK DR. OTTAWA ON

Database:
CA

Certificate #: 3-0591-98-
Application Year: 98
Issue Date: 5/20/1998
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: con A ON

Database:
WWIS

Well ID:	1527904	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Not Used	Date Received:	4/26/1994
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Abandoned-Supply	Abandonment Rec:	
Water Type:		Contractor:	6841
Casing Material:		Form Version:	1
Audit No:	143953	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	A
Overburden/Bedrock:		Concession Name:	RF
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10049459	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	—	East83:	
Code OB Desc:	No formation data	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:		UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	0
Method Construction:	Not Known
Other Method Construction:	

Pipe Information

Pipe ID:	10598029
Casing No:	1
Comment:	
Alt Name:	

Site:
con A ON

Database:
[WWIS](#)

Well ID:	1532634	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	1/17/2002
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Abandoned-Supply	Abandonment Rec:	
Water Type:		Contractor:	4006
Casing Material:		Form Version:	1
Audit No:	235222	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	A
Overburden/Bedrock:		Concession Name:	RF
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10523763	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	—	East83:	
Code OB Desc:	No formation data	North83:	
Open Hole:		Org CS:	

Cluster Kind:
Date Completed: 12/5/2001
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 11072333
Casing No: 1
Comment:
Alt Name:

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 2019

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-Oct 2018

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Jan 31, 2020

Borehole:

Provincial

[BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 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-Jan 31, 2020

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 - Nov 2019

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-Nov 2019

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-Jan 31, 2020

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 - Sep 2019

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-Jan 31, 2020

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-Jan 31, 2020

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-Jan 31, 2020

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-Jan 31, 2020

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

Environmental Penalty Annual Report:

Provincial

[EPAR](#)

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2018

List of Expired Fuels Safety Facilities:

Provincial

EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

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

Government Publication Date: Feb 28, 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-Nov 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FED TANKS

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

Government Publication Date: May 31, 2018

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sep 2018

Fuel Storage Tank:

Provincial

FST

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

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

Government Publication Date: Feb 28, 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-Jan 31, 2020

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 2017

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

INC

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

Government Publication Date: Feb 28, 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: Feb 28, 2019

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-Jan 2019

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, 2018

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Dec 31, 2019

National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGWE

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

Government Publication Date: 1988-Aug 31, 2019

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 OGSRL 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-Jun 2019

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-Jan 31, 2020

Canadian Pulp and Paper:

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: 1988-Jan 2020

Pipeline Incidents:

Provincial

PINC

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

Government Publication Date: Feb 28, 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-Jan 31, 2020

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: 1986-2016

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 clean-up 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-Jan 2020

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-Jan 31, 2020

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-Aug 2019

Wastewater Discharger Registration Database:

Provincial

SRDS

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

Government Publication Date: 1990-Dec 31, 2017

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-Aug 2018

Variances for Abandonment of Underground Storage Tanks:

Provincial

[VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 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: Oct 2011-Jan 31, 2020

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: Feb 28, 2019

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University
M.A.Sc., Environmental Engineering, 2013
B.Eng., Environmental Engineering, 2008

MEMBERSHIPS & AWARDS

Ontario Professional Engineers Association (EIT)
NSERC Industry R&D Scholarship

EXPERIENCE

2018 – Present

Paterson Group Inc.

Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 – 2015

Thurber Engineering Limited

Oil Sand Tailings Group
Tailings Engineer

2009 – 2014

Carleton University

Department of Civil & Environmental Engineering
Research Engineer, Research Assistant & Teaching Assistant

2008 – 2009

SLR Consulting Limited

Contaminated Sites
Junior Environmental Engineer

SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – NRC, Kingston
Remediation – National Capital Region, Saskatchewan
Multi-lift and dry-stacking pilot programs – Northern Alberta
Polymer amended oil sand tailings – Northern Alberta
Hydraulic cut-off wall – Allen, Saskatchewan
Cemented paste backfill systems – Northern Ontario

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