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Studies

Phase I Environmental Site Assessment

Vacant Property – 261, 269, 277 and 279 King
Edward Avenue and 260 Murray Street
Ottawa, Ontario

Prepared For

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September 3, 2015

Report: PE3623-1

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EXECUTIVE SUMMARY

Assessment

A Phase I – Environmental Site Assessment was carried out for the properties at 261, 269, 277 and 279 King Edward Avenue, and 260 Murray Street in the City of Ottawa, Ontario. The purpose of this environmental assessment was to research the past and current use of the subject site and adjacent properties and identify any environmental concerns with the potential to have impacted the subject property.

Based on a review of historical sources, the subject property has always been used for residential purposes since its development before 1925. No potentially contaminating activities were identified on the subject property. Former potentially contaminating activities (PCAs) were identified on surrounding properties in the Phase I study area, including the former Bytown Gasworks (and former landfill site), located at the southwest corner of the York Street and King Edward Avenue intersection, 130 m to the south of the subject site. Based on the distances, down-gradient locations, and the results of previous Phase II-ESAs conducted on properties along King Edward Avenue, the PCAs are not considered to result in areas of potential environmental concern (APECs) on the subject site.

Following the historical review a site visit was conducted. The site is currently vacant. The buildings were heated by natural gas, and are suspected to have been heated with oil at some point. A previous geotechnical investigation did not identify any evidence of contamination on the property. The surrounding land use consists predominantly of residential buildings with commercial and institutional buildings on King Edward Avenue. An Enterprise car rental centre at the intersection of King Edward Avenue and St. Patrick Street, to the northwest of the subject site, was observed during the site visit. No potentially contaminating activities were observed in the Phase I study area at the time of the site visit.

Conclusion

Based on the results of this Phase I - Environmental Site Assessment, PCAs were identified in the Phase I study area, however they are not considered to have resulted in areas of potential environmental concern for the subject property. In our opinion, **a Phase II - Environmental Site Assessment is not required for the property.**

1.0 INTRODUCTION

At the request of Claude Lauzon Group, Paterson Group (Paterson) conducted a Phase I - Environmental Site Assessment (Phase I-ESA) of the property located at 261, 269, 277 and 279 King Edward Avenue and 260 Murray Street, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I-ESA by Ms. Lise Lauzon of Claude Lauzon Group. Ms. Lauzon can be reached by telephone at 613-241-1600.

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

2.0 PHASE I PROPERTY INFORMATION

Address: 261, 269, 277, 279 King Edward Avenue, and 260 Murray Street, Ottawa, Ontario.

Legal Description: Part of Lot 7 and B on Plan 43586, in the City of Ottawa, Ontario.

Property Identification Numbers: 04213-0038; 04213-0037; 04213-0036; 04213-0012

Location: The subject site is located on the east side of King Edward Avenue, south of Murray Street and north of Clarence Street. For purposes of this report, King Edward Avenue will be considered to run in a north-south direction.

Latitude and Longitude: 45° 25' 54" N, 75° 41' 16" W.

Site Description:

Configuration: Irregular.

Site Area: 1280m² (approximate)

Zoning: TM – Traditional Mainstreet.

Current Use: The site is currently vacant.

Services: The subject 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 Ontario Regulation 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

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

First Developed Use Determination

According to the city directories and aerial photos, the subject site was developed as a residential property before 1925. Prior to its development, the site was vacant.

Fire Insurance Plans

Fire Insurance Plans (FIPs) from 1956 for the subject area were reviewed. The subject property addresses were all shown as residential apartments or dwellings, with no storage tanks indicated on site.

A retail fuel outlet was located approximately 85 m to the north of the subject site, at 360 St. Patrick Street, and included three (3) underground storage tanks (USTs).

Another fuel outlet was located at 355 St. Patrick Street, with four (4) USTs, approximately 135 m to the north of the subject site.

Based on the locations and distances of these potentially contaminating activities (PCAs), these properties are not considered to have the potential to have impacted the subject site.

City of Ottawa Street Directories

City directories for the area of the subject property were reviewed at approximately 10 year intervals. The following potential environmental concerns were identified in the Phase I study area:

115 m to the west: Nichol Advertising and Printing at 219 Murray Street (1970).

155 m to the west: Gervais Printers at 202 Clarence Street (1981 and 1984).

180 m to the south: Ottawa Hydro substation #4 at 351 King Edward Avenue (listed in 1940, 1950, 1960, 1970, 1980, and 1990).

200 m to the south: Canadian National Railway garage at 361 and 363 King Edward Avenue (1950 and 1960); Carrier Percy Auto and Carrier Romeo auto at 363 King Edward Avenue (1940).

200 m to the west: Laurentian Repair Works at 184 Murray Street (1941).

Based on the locations, distances, and/or ages of these potentially contaminating activities (PCAs), these properties are not considered to have the potential to have impacted the subject site.

Chain of Title

A title search for the subject property was reviewed from a previous report. The chain of title indicated that the subject properties have always been residential.

Plan of Survey

A plan of survey was reviewed as a part of this assessment. The survey plan consists of a plan prepared by Annis, O'Sullivan, Vollebekk Limited, dated November 2006. The survey plan shows the subject site as it existed prior to the demolition of the buildings.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on July 24, 2015. The subject site was not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

PCB Inventory

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

Ontario Ministry of Environment and Climate Change (MOECC) Instruments

A request was submitted to the MOECC Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MOECC issued instruments for the site. No instrument records were returned from the MOECC.

MOECC Coal Gasification Plant Inventory

The Ontario Ministry of Environment and Climate Change document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. The Bytown Gasworks, located approximately 130 m to the south, across York Street, was identified as a former coal gasification plant, and is a potentially contaminating activity (PCA).

MOECC Incident Reports

A request was submitted to the MOECC Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MOECC for the site or adjacent properties. No records of incident reports were returned by the MOECC.

MOECC Waste Management Records

A request was submitted to the MOECC Freedom of Information office for information with respect to waste management records. No waste management records were returned by the MOECC.

MOECC Submissions

A request was submitted to the MOECC Freedom of Information office for information with respect to reports related to environmental conditions for the property. No records of submissions were returned by the MOECC.

MOECC Brownfields Environmental Site Registry

A search of the MOECC Brownfields Environmental Site Registry 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 subject site or within the Phase I study area.

MOECC Waste Disposal Site Inventory

The Ontario Ministry of Environment and Climate Change document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. No waste disposal sites in the Phase I study area were identified by the document.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I study area was conducted on the web site of the Ontario Ministry of Natural Resources (MNR) on July 24, 2015. No areas of natural significance were identified within the Phase I study area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on July 24, 2015 to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. The TSSA search did not return any records for the subject site or neighbouring properties. A copy of the TSSA correspondence is included 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. One (1) former landfill was identified, located at 350 King Edward Avenue. Due to the age of the former landfill from the subject site, this Potentially Contaminating Activity is not considered to result in an Area of Potential Environmental Concern on the subject site.

City of Ottawa Historical Land Use Inventory

A request for information from the City's Historical Land Use Inventory (HLUI 2005) database for the subject property was sent on July 27, 2015 to the City of Ottawa. The response from the City identified a machine shop on Rose Street, more than 250 m to the north of the subject site, a vehicle repair shop approximately 200 m to the north at 292 Guigues Avenue, a garage and service station approximately 70 m to the north on St. Patrick Street, a laundry adjacent to the subject site to the east, at 257 Clarence Street, and a machine shop at 219 York Street, approximately 80 m to the south of the subject site. The search also identified the former landfill at the corner of King Edward Avenue and York Street. With the exception of the machine shop on Rose Street, these properties are potentially contaminating activities.

Former Industrial Sites

The report entitled "Mapping and Assessment of Former Industrial Sites, City of Ottawa" was also reviewed. The subject site was not listed in the database of former industrial sites. Five (5) former industrial sites were identified within the Phase I study area, including the Bytown Gasworks, approximately 130 m to the south of the subject site.

Based on a previous Phase II-ESA conducted in the area of the subject site, the Bytown Gasworks is not considered to result in an APEC on the subject site. The other former industrial sites are: Benjamin Applebaum sheet metal products located 170 m east; City Tannery located 225 m to the east, Ottawa Iron Work 160 m to the southeast, and Beaugard Press 220 m to the northwest.

Due to their distances and/or down-gradient location with respect to the subject site, the remaining four (4) former industrial sites are not considered to result in APECs on the subject site.

Previous Environmental Reports

Paterson has conducted numerous Phase I and Phase II-Environmental Site Assessments in the vicinity of the subject site and has other Phase II-ESA reports for sites in the immediate vicinity of the subject site. A Phase II-ESA conducted in 2002 along King Edward Avenue (for the City of Ottawa) to the north and south of the subject site did not identify any potential for impact to the subject site from the former Bytown Gasworks facility located at 350 King Edward Avenue. Environmental site assessments on properties to the north and south

(south of York Street) do not indicate any potential for impact to the subject site from the PCAs located south of York Street and north of Murray Street.

A geotechnical subsurface investigation was completed on the subject site. No evidence of contamination was noted during the drilling program.

4.3 Physical Setting Sources

Aerial Photographs

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

- | | |
|------|--|
| 1925 | (Poor quality) The subject site appears to be developed with residential buildings. Surrounding properties are also developed with residential structures. |
| 1938 | (Poor quality) No significant changes appear to have been made to the subject site or surrounding properties. |
| 1958 | The property is occupied by the currently existing residential dwellings. |
| 1966 | No changes appear to have been made to the subject site. The surrounding properties to the north, west and south have been developed with mixed commercial and residential buildings. |
| 1973 | No changes have been made to the subject site or surrounding properties. |
| 1984 | No changes have been made to the subject site. Murray Street and St. Patrick Street have been reconstructed on the east side of King Edward Avenue to merge and continue northward toward St. Andrew Street. |
| 1997 | No significant changes have been made to the subject site. The adjacent property to the west, at 231 Clarence Street, is now vacant. |
| 2002 | (City of Ottawa website) No changes have been made to the subject site or adjacent properties. |

2014 (City of Ottawa website) No significant changes have been made to the subject site. The property at 231 Clarence Street has been redeveloped with a residential apartment building.

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

Topographic Maps

Topographic information was obtained from Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 61 m ASL, and that the regional topography in the general area of the site slopes slightly downward to the west, towards the Ottawa River and north 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, as a part of this assessment. According to the publication and attached mapping, the site is situated within the St. Lawrence Lowlands, Till Plains (Drumlinized) physiographic region. 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.” Mapping shows the subject site as situated on an area of till.

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 interbedded limestone and shale of the Verulam formation. Overburden consists of offshore marine sediments, with a drift thickness on the order of 5 to 10 m.

Water Well Records

A search of the MOECC’s web site for all drilled well records within 250 m of the subject site was conducted on July 24, 2015. The search returned records for twenty (20) monitoring wells in the Phase I study area. No wells were identified on the subject site.

Water Bodies and Areas of Natural Significance

The Rideau River is the closest significant water body and is present approximately 480 m to the north of the site. No creeks, streams, lakes or other water bodies were identified in the Phase I study area. The majority of the study area consists of residential dwellings, commercial businesses, and roads. No areas of natural significance were identified within the Phase I study area.

5.0 INTERVIEWS

Property Owner Representative

Ms. Lise Lauzon was interviewed as part of this assessment. Ms. Lauzon stated that the site buildings were demolished and removed from the site in 2014, and that it was their intent to redevelop the site with a multi-storey residential building. Ms. Lauzon did not identify any environmental concerns.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site assessment was conducted August 14, 2015. Weather conditions were overcast, with a temperature of approximately 23° C. Personnel from the Environmental Department of Paterson Group conducted the site visit. In addition to the site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site visit.

6.2 Specific Observations at Phase I Property

Site

The subject site is currently vacant. Based on the historical review, the site appears to have been occupied with residential buildings since the site's development before 1925, until they were demolished in 2014. At the time of the site visit, no structures were present on the site, and the building footprints were filled with broken concrete and gravel fill. Some minor additional demolition debris was observed, including bricks, rebar, and wooden planks. The perimeter of the site was mostly grass covered, with one (1) tree on site, and some spots of asphalt pavement near Murray Street. No signs of surficial contamination or fuel storage tanks were observed.

Underground Utilities

The subject site is located in a municipally serviced area. Since the buildings were demolished, on-site utilities are not present.

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 - Murray Street, followed by residential buildings, a fire station and Renaissance Holistic Health centre;
- South - Clarence Street, followed by residential apartment buildings;
- East - Residential;
- West - King Edward Avenue, followed by residential apartment buildings and Shepherds of Good Hope shelter.

Neighbouring property uses are not considered to pose an environmental concern to the subject site. Property use within the Phase I study area is shown on Drawing PE3623-2 Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following tables indicate the current and past uses of the site as well as surrounding land uses in the Phase I study area dating back to the first developed use of the site.

Table 1 - Land Use History – 261, 269, 277, 279 King Edward Avenue and 260 Murray Street			
Time Period	Land Use	Potentially Contaminating Activities	Areas of Potential Environmental Concern
1925 to present	Residential	None	None

Table 2 - Land Use History – Surrounding Properties			
Time Period	Land Use	Potentially Contaminating Activities	Areas of Potential Environmental Concern
Prior to 1951	Residential, commercial, industrial	Bytown Gasworks (former landfill) at 350 King Edward Avenue Laurentian Repair Works at 184 Murray Street Ottawa Hydro substation #4 at 351 King Edward Avenue Carrier Percy Auto at 363 King Edward Avenue Benjamin Applebaum sheet metal products at 302 Murray Street City Tannery at 98 Friel Street Ottawa Iron Works at 96 Nelson Street Beauregard Press at 222 Guigues Avenue Vehicle repair shop at 292 Guigues Avenue Imperial Garage at 367 St. Patrick Street York Street Machine Shop at 219 York Street	None

1951 to 1985	Residential, commercial, industrial	<p>Ottawa Hydro substation #4 at 351 King Edward Avenue Edward Avenue</p> <p>Gervais Printers at 209 King Edward Avenue</p> <p>Nichol Advertising and Printing at 219 Murray Street</p> <p>Canadian National Railway garage at 361 and 363 King Edward Avenue</p> <p>Retail fuel outlet at 360 St. Patrick Street</p> <p>Retail fuel outlet 355 St. Patrick Street</p> <p>Benjamin Applebaum sheet metal products at 302 Murray Street</p> <p>Beauregard Press at 222 Guigues Avenue</p>	None
1985 to present	Residential, commercial	<p>Ottawa Hydro substation #4 at 351 King Edward Avenue</p> <p>Franco Garage/Enterprise car rentals at 355 St. Patrick Street</p>	None

Potentially Contaminating Activities

Potentially Contaminating Activities (PCAs) were identified within the Phase I study area. These include two (2) former retail fuel outlets 85 m and 135 m to the north of the subject site (the latter of which was converted to a service garage), a former coal gasification plant and former landfill 130 m to the south, former Benjamin Applebaum sheet metal products located 170 m east, former City Tannery located 225 m to the east, former Ottawa Iron Works 160 m to the southeast, former Beauregard Press 220 m to the northwest, two former (2) printers 115 m and 150 m to the west, a transformer station 180 m to the south, a former railway garage 200 m to the south, and former Laurentian Repair Works 200 m to the west.

Areas of Potential Environmental Concern

Due to the distance and/or cross-gradient location of the potentially contaminating activities with respect to the subject site, and the results several Phase II-ESAs conducted on properties along King Edward Avenue, the aforementioned PCAs are not considered to have resulted in Areas of Potential Environmental Concern on the subject property.

Contaminants of Potential Concern

There are no contaminants of concern identified on the subject property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

The Phase I property is located in an area of offshore marine sediments. Groundwater flow is expected to reflect site topography and flow in a northerly direction.

Contaminants of Potential Concern

As per Section 7.1 of this report, no Contaminants of Concern were identified for the subject site.

Existing Buildings and Structures

The subject site is currently vacant, with some demolition debris at the locations of the former residential buildings.

Areas of Natural Significance

No areas of natural significance were identified within the Phase I study area.

Water Bodies

The closest water body is the Rideau River, located approximately 450 m to the north of the site. There are no water bodies on the subject site or within the Phase I study area.

Drinking Water Wells

There are no records of drinking water wells within the Phase 1 Study area.

Neighbouring Land Use

Neighbouring land use in the Phase I study area is currently residential and commercial. The properties consist of a law office and holistic health centre to the north, a residential apartment building and shelter to the west, residential apartments to the south, and single family residential dwellings and apartment buildings to the east.

Areas of Potentially Contaminating Activities

Potentially Contaminating Activities (PCAs) were identified within the Phase I study area, however, as previously discussed, none of the identified PCAs were considered to represent areas of potential environmental concern on the subject 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 areas of potential environmental concern on the subject site. The presence of former potentially contaminating activities was confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 ASSESSMENT AND CONCLUSION

Assessment

A Phase I – Environmental Site Assessment was carried out for the properties at 261, 269, 277 and 279 King Edward Avenue, and 260 Murray Street in the City of Ottawa, Ontario. The purpose of this environmental assessment was to research the past and current use of the subject site and adjacent properties and identify any environmental concerns with the potential to have impacted the subject property.

Based on a review of historical sources, the subject property has always been used for residential purposes since its development before 1925. No potentially contaminating activities were identified on the subject property. Former potentially contaminating activities (PCAs) were identified on surrounding properties in the Phase I study area, including the former Bytown Gasworks (and former landfill site), located at the southwest corner of the York Street and King Edward Avenue intersection, 130 m to the south of the subject site. Based on the distances, down-gradient locations, and the results of previous Phase II-ESAs conducted on properties along King Edward Avenue, the PCAs are not considered to result in areas of potential environmental concern (APECs) on the subject site.

Following the historical review a site visit was conducted. The site is currently vacant. The buildings were heated by natural gas, and are suspected to have been heated with oil at some point. A previous geotechnical investigation did not identify any evidence of contamination on the property. The surrounding land use consists predominantly of residential buildings with commercial and institutional buildings on King Edward Avenue. An Enterprise car rental centre at the intersection of King Edward Avenue and St. Patrick Street, to the northwest of the subject site, was observed during the site visit. No potentially contaminating activities were observed in the Phase I study area at the time of the site visit.

Conclusion

Based on the results of this Phase I - Environmental Site Assessment, PCAs were identified in the Phase I study area, however they are not considered to have resulted in areas of potential environmental concern for the subject property. In our opinion, **a Phase II - Environmental Site Assessment is not required for the property.**

9.0 STATEMENT OF LIMITATIONS

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

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

This report was prepared for the sole use of Claude Lauzon Group. Permission and notification from Claude Lauzon Group and Paterson will be required to release this report to any other party.

Paterson Group Inc.



Anna Graham, M.E.S.



Mark S. D'Arcy, P.Eng.

Report Distribution:

- Claude Lauzon Group (2 copies)
- Paterson Group (1 copy)

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).
Natural Resources Canada – The Atlas of Canada.
Environment Canada, National Pollutant Release Inventory.
PCB Waste Storage Site Inventory.

Provincial Records

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

Municipal Records

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

Local Information Sources

Plan of Survey, prepared by Annis, O’Sullivan, Vollebakk Limited, November 2006.
Personal Interviews.

Public Information Sources

Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE3623-1 – SITE PLAN

DRAWING PE3623-2 – SURROUNDING LAND USE PLAN



FIGURE 1
KEY PLAN

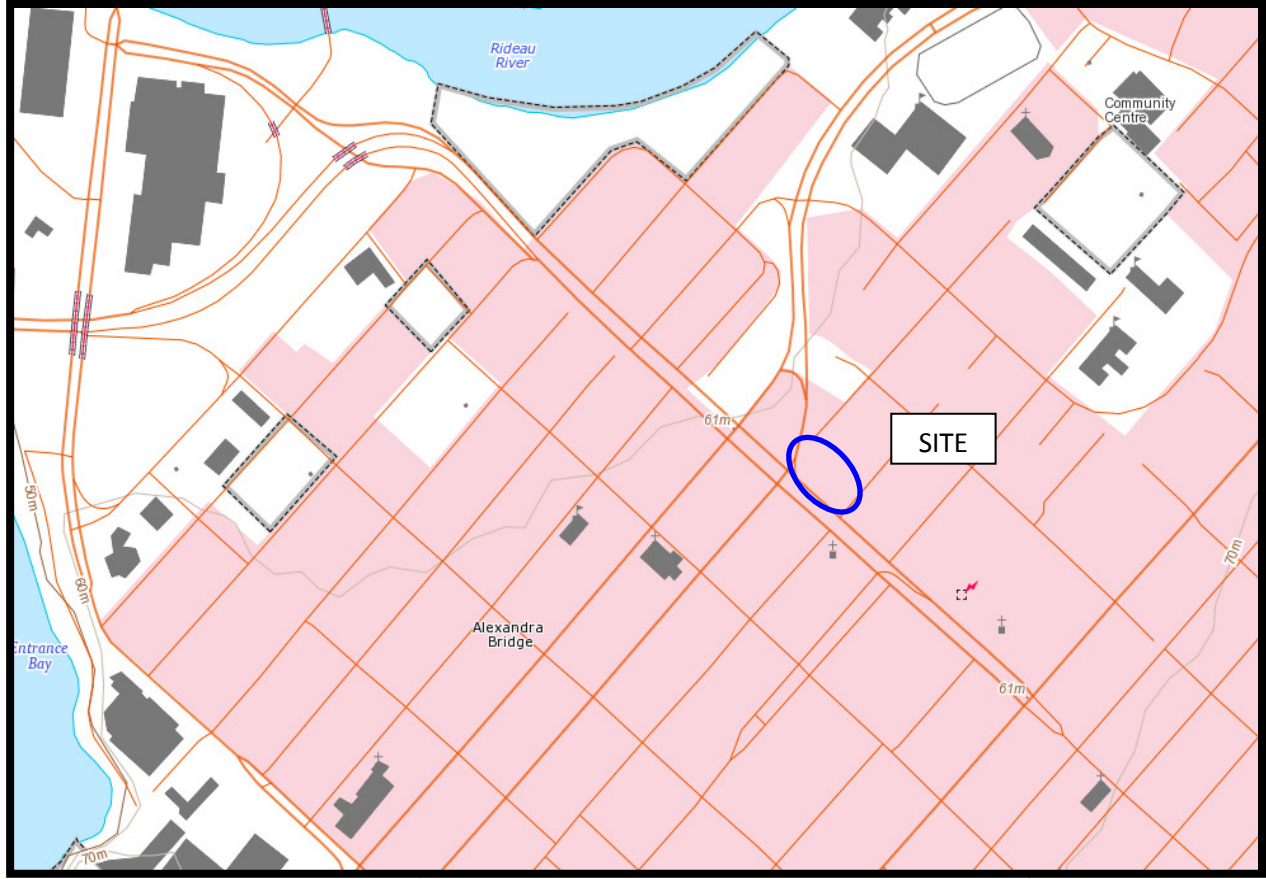
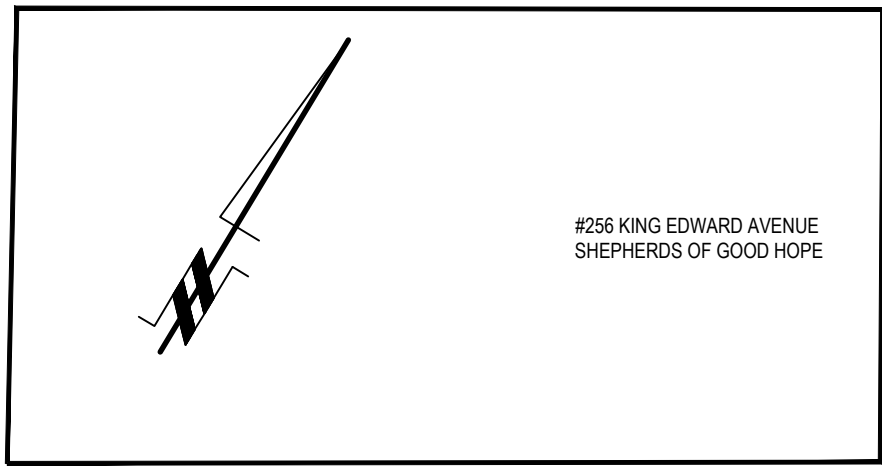


FIGURE 2
TOPOGRAPHIC MAP



#256 KING EDWARD AVENUE
SHEPHERDS OF GOOD HOPE

#231 CLARENCE STREET
RESIDENTIAL APARTMENTS

MEDIAN

KING EDWARD AVENUE

MURRAY STREET

#257
KING EDWARD
AVENUE
RESIDENTIAL

#260 MURRAY
STREET
VACANT

RESIDENTIAL

GRASS, GRAVEL,
BROKEN CONCRETE

#261-279 KING EDWARD
AVENUE
VACANT

#257
CLARENCE STREET
RESIDENTIAL

RESIDENTIAL

CLARENCE STREET

RESIDENTIAL

RESIDENTIAL

patersongroup
consulting engineers

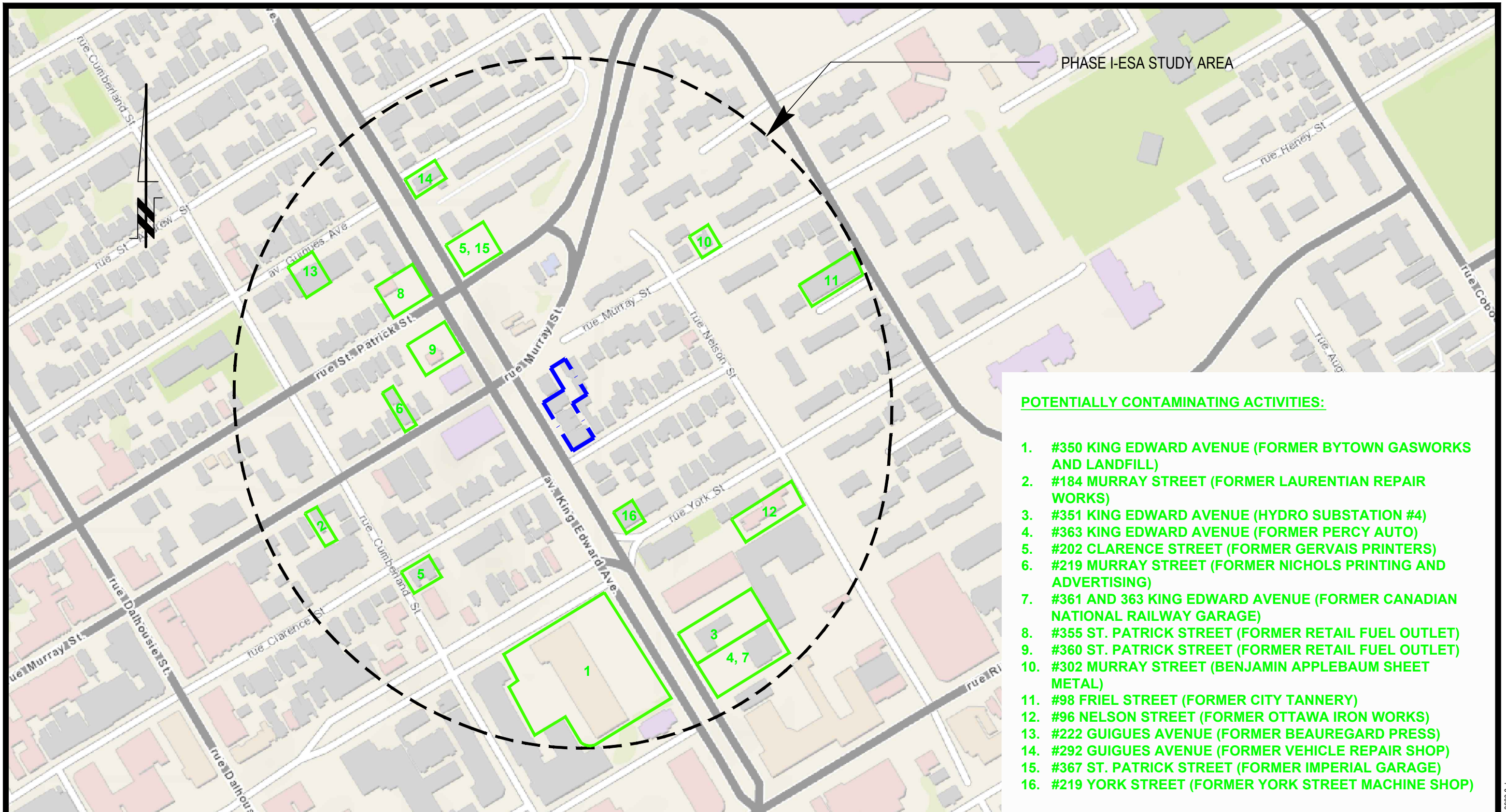
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NO.	REVISIONS	DATE	INITIAL

CLAUDE LAUZON GROUP
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
VACANT PROPERTY - 261-279 KING EDWARD AVENUE, 260 MURRAY STREET
 OTTAWA, ONTARIO

SITE PLAN

Scale:	1:400	Date:	08/2015
Drawn by:	AG	Report No.:	PE3623-1
Checked by:	MD	Drawing No.:	PE3623-1
Approved by:	MSD		



POTENTIALLY CONTAMINATING ACTIVITIES:

1. #350 KING EDWARD AVENUE (FORMER BYTOWN GASWORKS AND LANDFILL)
2. #184 MURRAY STREET (FORMER LAURENTIAN REPAIR WORKS)
3. #351 KING EDWARD AVENUE (HYDRO SUBSTATION #4)
4. #363 KING EDWARD AVENUE (FORMER PERCY AUTO)
5. #202 CLARENCE STREET (FORMER GERVAIS PRINTERS)
6. #219 MURRAY STREET (FORMER NICHOLS PRINTING AND ADVERTISING)
7. #361 AND 363 KING EDWARD AVENUE (FORMER CANADIAN NATIONAL RAILWAY GARAGE)
8. #355 ST. PATRICK STREET (FORMER RETAIL FUEL OUTLET)
9. #360 ST. PATRICK STREET (FORMER RETAIL FUEL OUTLET)
10. #302 MURRAY STREET (BENJAMIN APPLEBAUM SHEET METAL)
11. #98 FRIEL STREET (FORMER CITY TANNERY)
12. #96 NELSON STREET (FORMER OTTAWA IRON WORKS)
13. #222 GUIGUES AVENUE (FORMER BEAUREGARD PRESS)
14. #292 GUIGUES AVENUE (FORMER VEHICLE REPAIR SHOP)
15. #367 ST. PATRICK STREET (FORMER IMPERIAL GARAGE)
16. #219 YORK STREET (FORMER YORK STREET MACHINE SHOP)

patersongroup
consulting engineers

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

NO.	REVISIONS	DATE	INITIAL

CLAUDE LAUZON GROUP
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
VACANT PROPERTY - 261-279 KING EDWARD AVENUE, 260 MURRAY STREET
OTTAWA, ONTARIO

SURROUNDING LAND USE PLAN

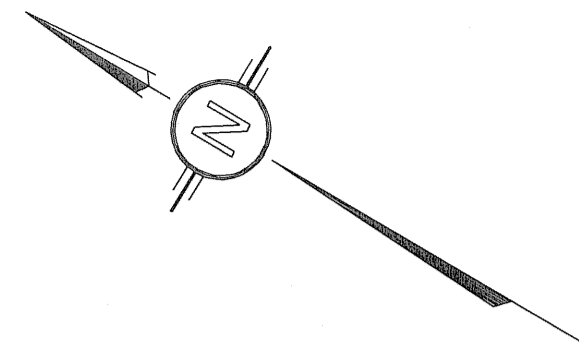
Scale:	1:3000	Date:	08/2015
Drawn by:	AG	Report No.:	PE3623-1
Checked by:	MD	Drawing No.:	PE3623-2
Approved by:	MSD		

APPENDIX 1

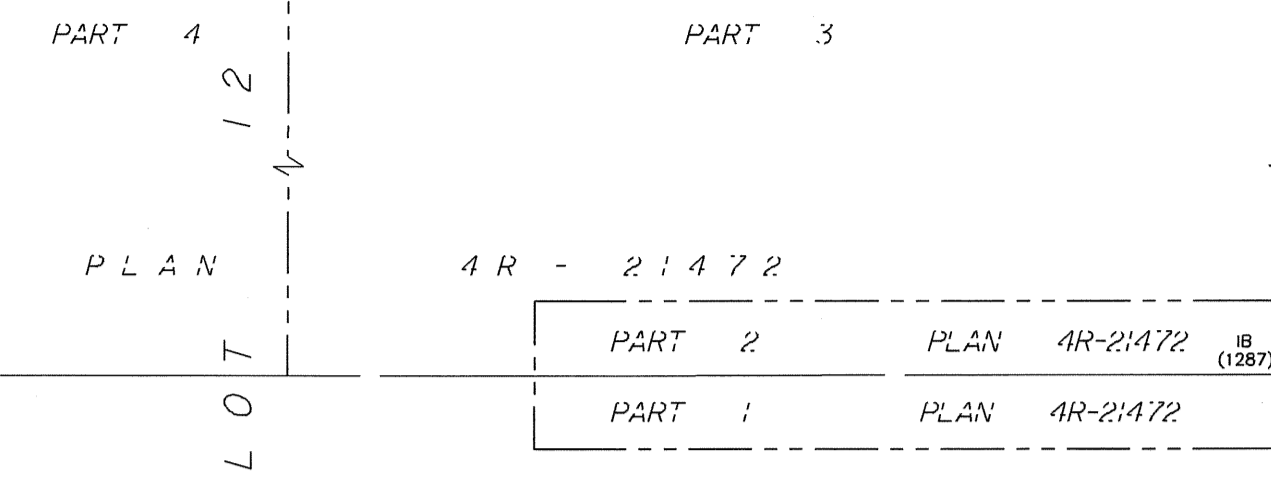
PLAN OF SURVEY

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



NELSON STREET

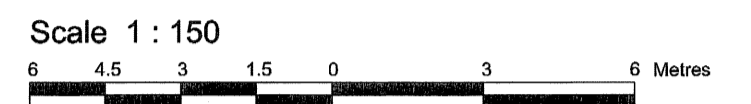


4 3 5 8 6

SURVEYOR'S REAL PROPERTY REPORT PART 1 Plan of

PART OF LOT 7 and B North Clarence Street (Formerly Parry Street) REGISTERED PLAN 43586 CITY OF OTTAWA

Surveyed by Annis, O'Sullivan, Vollebek Ltd.



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

Surveyor's Certificate

I CERTIFY THAT: 1. This survey and plan are correct and in accordance with the Surveyors Act, the Surveyors Act, the Land Titles Act and the regulations made under them. 2. The survey was completed on the 7th day of November, 2006.

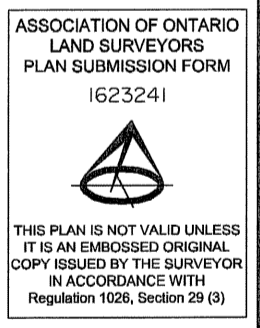
Date: Nov 15, 2006 E. H. Herweyer Ontario Land Surveyor

PART 2 THIS PLAN MUST BE READ IN CONJUNCTION WITH SURVEY REPORT DATED: NOVEMBER 15, 2006.

ANNIS, O'SULLIVAN, VOLLEBEK LTD. grants to C. Lauzon ("The Client"), their solicitors, mortgagees, and other related parties, permission to use original, signed, sealed copies of the Surveyor's Real Property Report in transactions involving The Client.

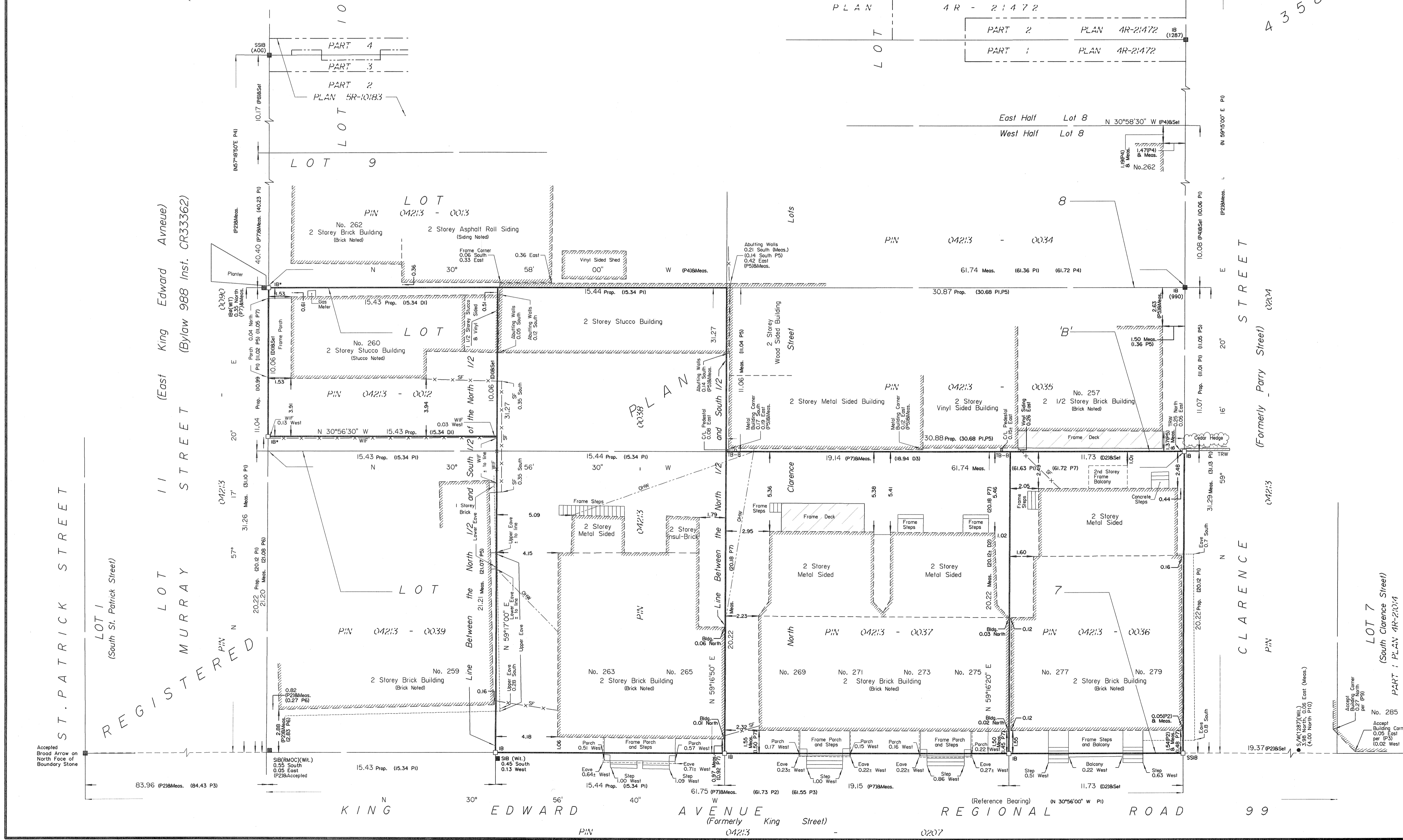
Notes & Legend

- Denotes Survey Monument Planted, Survey Monument Found, Standard Iron Bar, Short Standard Iron Bar, Iron Bar, Iron Bar (0.3m long), Round Iron Bar, Witness, Annis, O'Sullivan, Vollebek Ltd., Measured, Registered Plan 43586, Plan 5R-9120, Plan by (857) dated September 7, 1984, Plan by (990) dated June 27, 1996, Plan by (725) dated November 30, 1978, Plan by (647) dated June 2, 1975, Plan by (990) dated September 4, 1987, Plan 5R-10183, Plan 5R-5995, Plan 4R-21014, Inst. CR671503, Inst. NS113972, Proportioned, Steel Fence, Wrought Iron Fence, Centreline, Cedar Hedge, Timber Retaining Wall, Bell Pedestal



Bearings are astronomic derived from the easterly limit of King Edward Avenue shown to be N30°56'40"W on Plan 5R-9120.

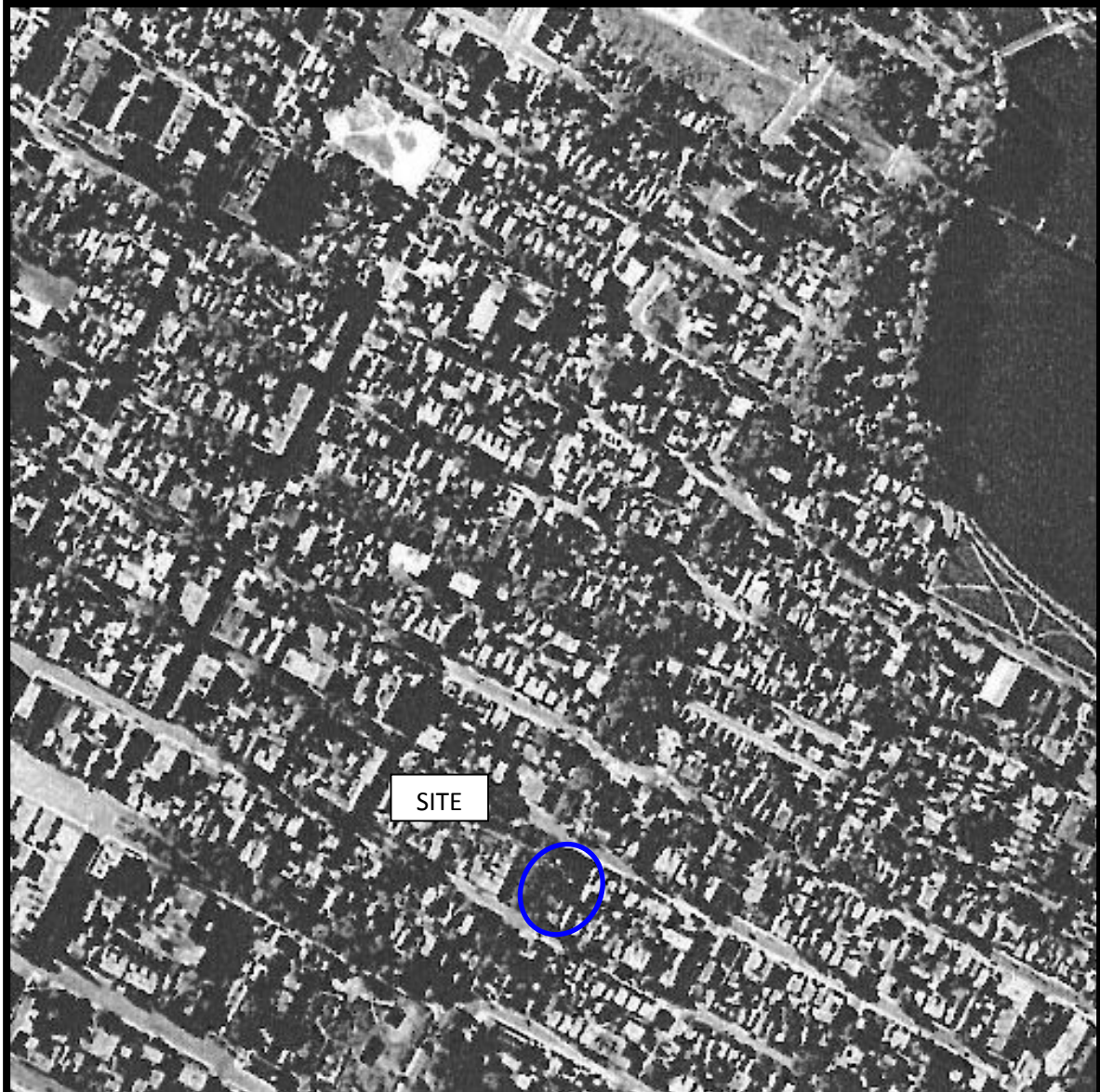
ANNIS, O'SULLIVAN, VOLLEBEK LTD. 14 Concourse Gate, Suite 500 Nepean, Ont. K2E 7S6 Phone: (613) 727-0850 / Fax: (613) 727-1079 Email: Nepean@aosvltd.com



REGISTERED LOT 1 (South St. Patrick Street) LOT 11 (East King Edward Avenue) LOT 12 (Murray Street) LOT 13 (South Clarence Street)



AERIAL PHOTOGRAPH
1925



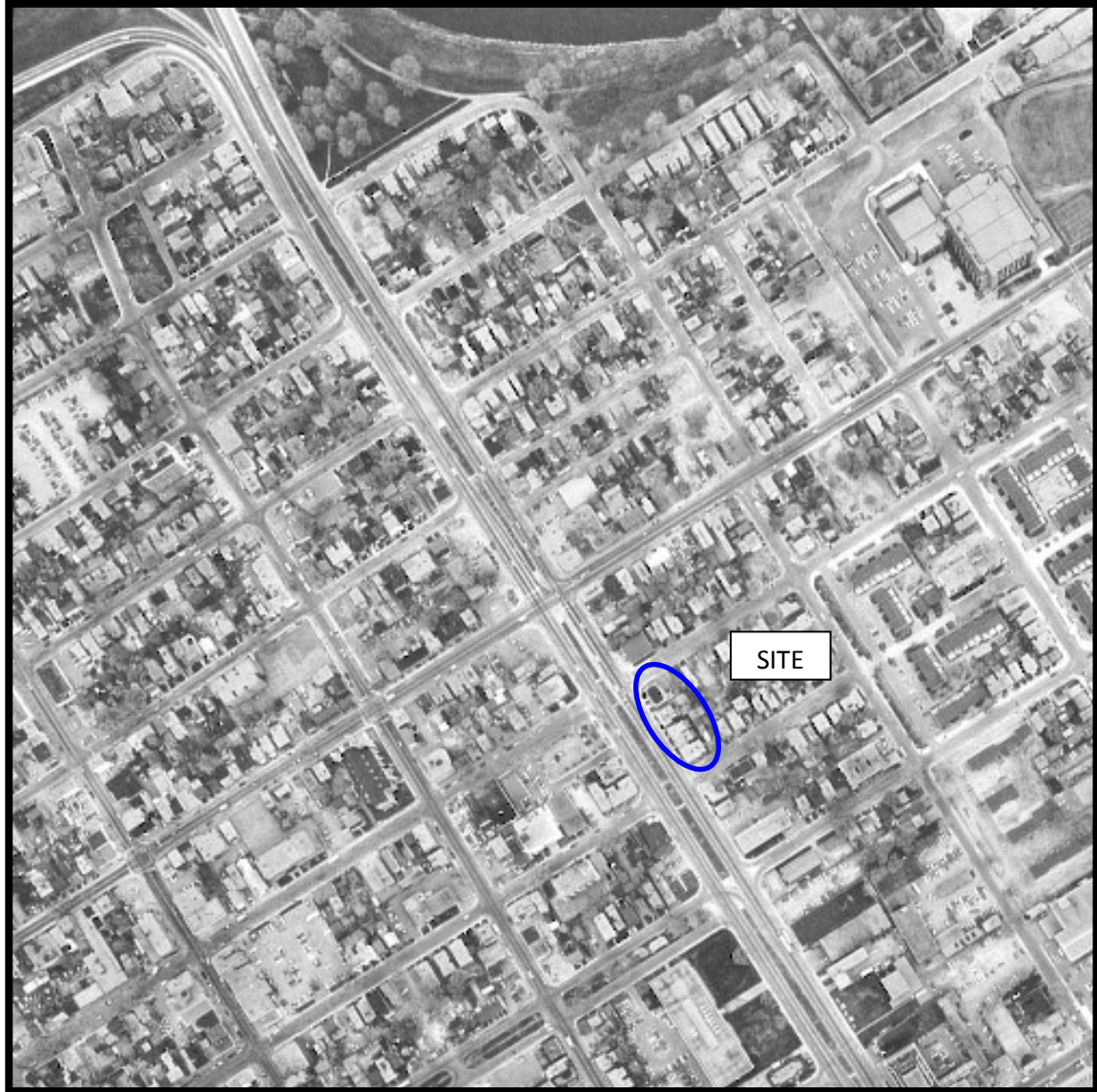
AERIAL PHOTOGRAPH
1938



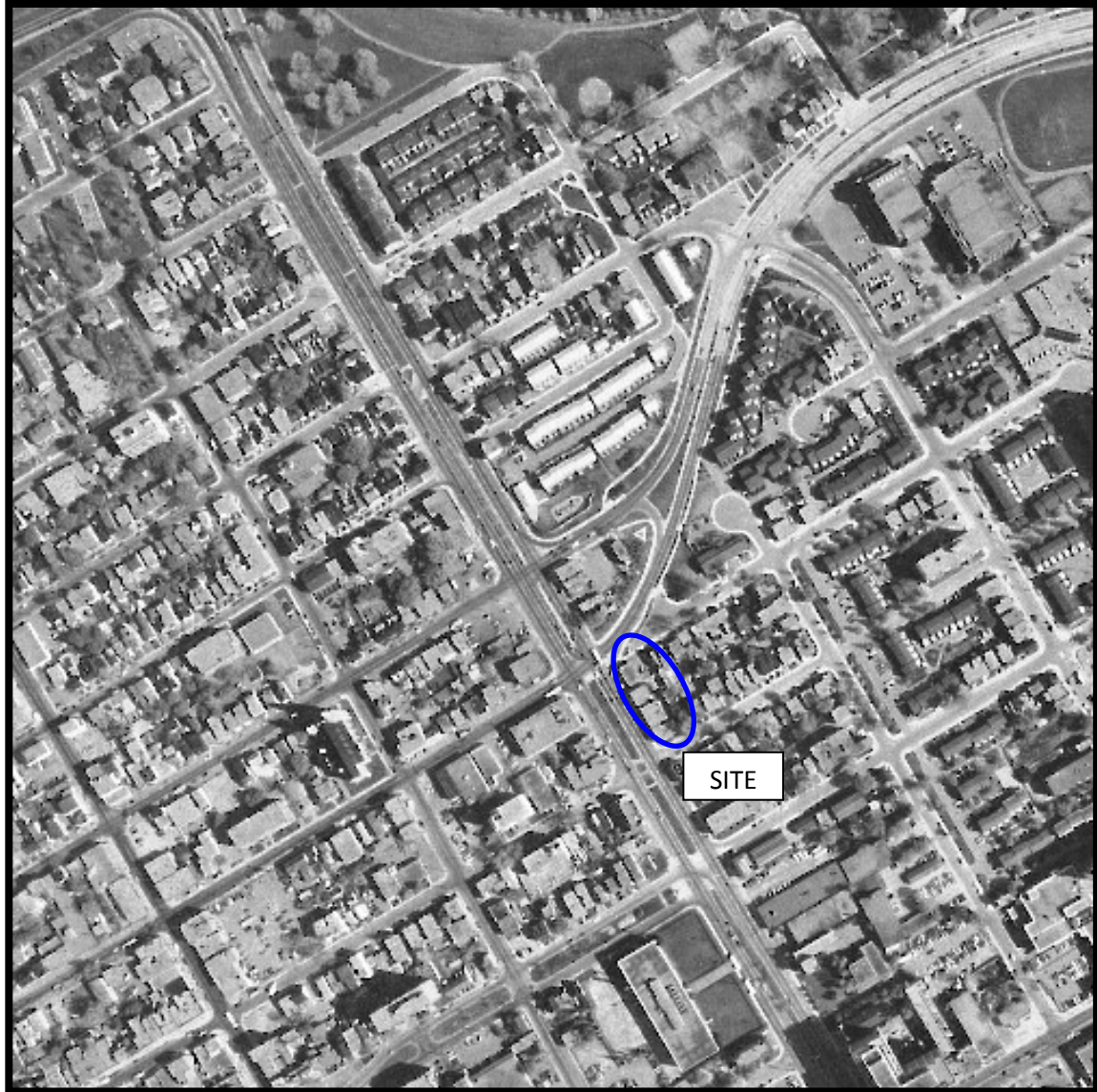
AERIAL PHOTOGRAPH
1958



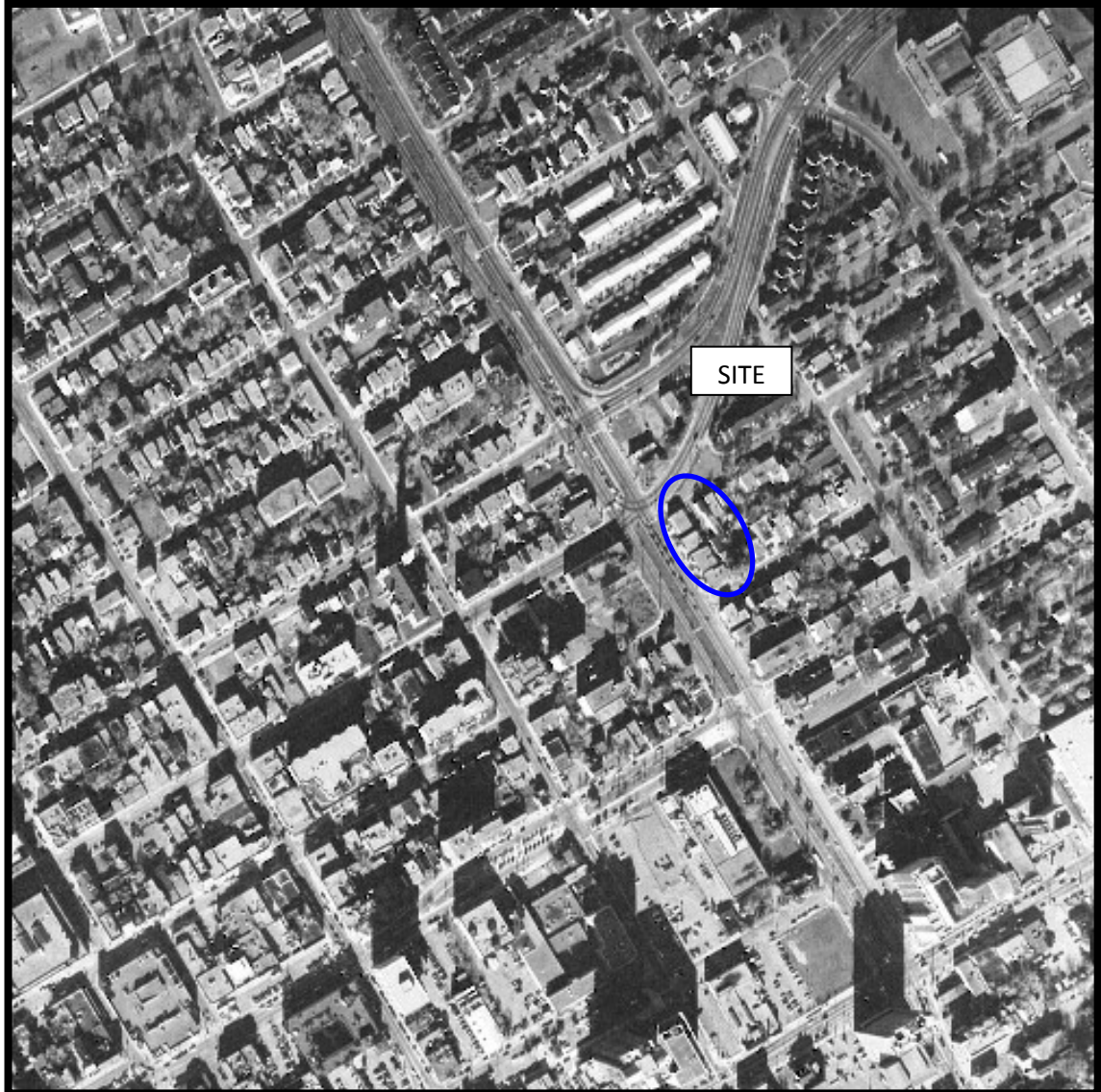
AERIAL PHOTOGRAPH
1966



AERIAL PHOTOGRAPH
1973



AERIAL PHOTOGRAPH
1984



AERIAL PHOTOGRAPH
1997

Site Photographs

PE3623

261-279 King Edward Avenue and 260 Murray Street, Ottawa, ON August 14, 2015



Photograph 1: View of 260 Murray Street, looking south. The red wall is the back wall of an addition on the residential building at 257 Clarence Street.



Photograph 2: View of the properties along King Edward Avenue, looking south. Concrete rubble and gravel fill the former residential buildings' foundations. The west-facing wall of 257 Clarence Street is visible at left.

Site Photographs

PE3623

261-279 King Edward Avenue and 260 Murray Street, Ottawa, ON August 14, 2015



Photograph 3: View of the southeast corner of the subject site.



Photograph 4: Demolition debris including pieces of plaster lath and metal sheeting.

APPENDIX 2

MOECC FREEDOM OF INFORMATION RESPONSE

TSSA CORRESPONDENCE

MOECC WATER WELL RECORDS

HLUI RESPONSE

Ministry of the Environment
and Climate Change

Freedom of Information and
Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de
l'Action en matière de changement
climatique

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

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Télec.: (416) 314-4285



August 20, 2015

Anna Graham
Paterson Group Inc.
154 Colonnade Rd
Ottawa, ON K2E 7J5

Dear Anna Graham:

RE: ***Freedom of Information and Protection of Privacy Act Request***
Our File # A-2015-04507, Your Reference PE3623

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 261, 269, 277, & 279 King Edward Ave, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Approvals Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Daniel Demanuele at (416) 212-3183 or daniel.demanuele@ontario.ca.

Yours truly,

for Heidi Ritscher
FOT Manager

Ministry of the Environment
and Climate Change

Ministère de l'Environnement et de
l'Action en matière de changement
climatique



Freedom of Information and
Protection of Privacy Office

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

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél.: (416) 314-4075
Télééc.: (416) 314-4285

August 20, 2015

Anna Graham
Paterson Group Inc.
154 Colonnade Rd
Ottawa, ON K2E 7J5

Dear Anna Graham:

RE: ***Freedom of Information and Protection of Privacy Act Request***
Our File # A-2015-04508, Your Reference PE3623

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 260 Murray St, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Approvals Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Daniel Demanuele at (416) 212-3183 or daniel.demanuele@ontario.ca.

Yours truly,

Gr Heidi Ritscher
FOI Manager

Anna Graham

From: plal@tssa.org on behalf of Public Information Services [publicinformationsservices@tssa.org]
Sent: July-27-15 7:59 AM
To: Anna Graham
Subject: Re: Records Search Request for King Edward Ave and Murry St addresses

Hi Anna:

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please submit your request in writing to Public Information Services via e-mail (publicinformationsservices@tssa.org) or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Thank you and have a great day!

Prem
Public Information Services

"Putting Public Safety First"

Technical Standards and Safety Authority
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, ON M8X 2X4

Toll-Free: 1-877-682-8772
Email: publicinformationsservices@tssa.org
Web Site: www.tssa.org

On Fri, Jul 24, 2015 at 4:17 PM, Anna Graham <AGraham@patersongroup.ca> wrote:

Good afternoon,

Could you please complete a search of your records for underground/aboveground storage tanks, historical spills or other incidents/infractions for the following addresses for properties located in the City of Ottawa, ON:

256 King Edward Avenue

257 King Edward Avenue

261 King Edward Avenue

269 King Edward Avenue

277 King Edward Avenue

279 King Edward Avenue

285 King Edward Avenue

260 Murray Street

262 Murray Street

257 Clarence Street

Thank you!

Anna Graham, B.Sc., M.E.S.

patersongroup

solution oriented engineering

154 Colonnade Road South

Ottawa, Ontario, K2E 7J5

Tel: [\(613\) 226-7381 Ext. 228](tel:(613)226-7381)

Fax: [\(613\) 226-6344](tel:(613)226-6344)

Email: agraham@patersongroup.ca

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.



Well Tag Number (Place sticker and print number below)

May 3/04

Well Record

Regulation 903 Ontario Water Resources Act

Instruct

- For use only. This document is a permanent legal document. Please retain for future reference.
- All S... to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions... application can be directed to the Water Well Management Coordinator at 416-235-6203.
- All m... reported to 1/10th of a metre.
- Please print clearly in blue or black ink only.

Well Owner's Information and Location of Well Information

MUN	15502	CON							LOT	
-----	-------	-----	--	--	--	--	--	--	-----	--

Address of Well Location (County/District/Municipality): 351 King Edward Ave
 Township: [blank] Lot: [blank] Concession: [blank]
 RR#/Street Number/Name: Hydro One
 City/Town/Village: OTTAWA
 Site/Compartment/Block/Tract etc.: [blank]
 GPS Reading: NAD 83 Zone 18 Easting 446330 Northing 5030943 Unit Make/Model: MAGELLAN
 Mode of Operation: Undifferentiated Averaged Differentiated, specify [blank]

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
GREY	silty clay		SOFT LOOSE	0	6.5

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	6.5	214

Water Record

Water found at 5 Metres

Kind of Water:
 Fresh Sulphur
 Gas Salty Minerals
 Other: [blank]

After test of well yield, water was:
 Clear and sediment free
 Other, specify [blank]

Chlorinated Yes No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To
5	<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	0.7	0	3.5
6.4	<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized		3.5	6.5

No Casing or Screen

Open hole

Test of Well Yield

Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
Pump intake set at - (metres)	1		1	
Pumping rate - (litres/min)				1
Duration of pumping _____ hrs + _____ min	2		2	
Final water level end of pumping _____ metres	3		3	
Recommended pump type <input type="checkbox"/> Shallow <input type="checkbox"/> Deep	4		4	
Recommended pump depth _____ metres	5		5	
Recommended pump rate (litres/min)	10		10	
If flowing give rate - (litres/min)	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
If pumping discontinued, give reason.	50		50	
	60		60	

Plugging and Sealing Record

Annular space Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	3.0	bentonite	

Method of Construction

Cable Tool Rotary (air) Diamond Digging
 Rotary (conventional) Air Percussion Jetting Other
 Rotary (reverse) Boring Driving

Water Use

Domestic Industrial Public Supply Other
 Stock Commercial Not used
 Irrigation Municipal Cooling & air conditioning

Final Status of Well

Water Supply Recharge well Unfinished Abandoned, (Other)
 Observation well Abandoned, insufficient supply Dewatering
 Test Hole Abandoned, poor quality Replacement well

Well Contractor/Technician Information

Name of Well Contractor: Geo Environmental Drilling Inc
 Well Contractor's Licence No.: 6607
 Business Address (street name, number, city etc.): 340 Market dr Milton Ont
 Name of Well Technician (last name, first name): Ingleton Jesse
 Well Technician's Licence No.: 3106
 Signature of Technician/Contractor: [Signature]
 Date Submitted: 2004 5 16

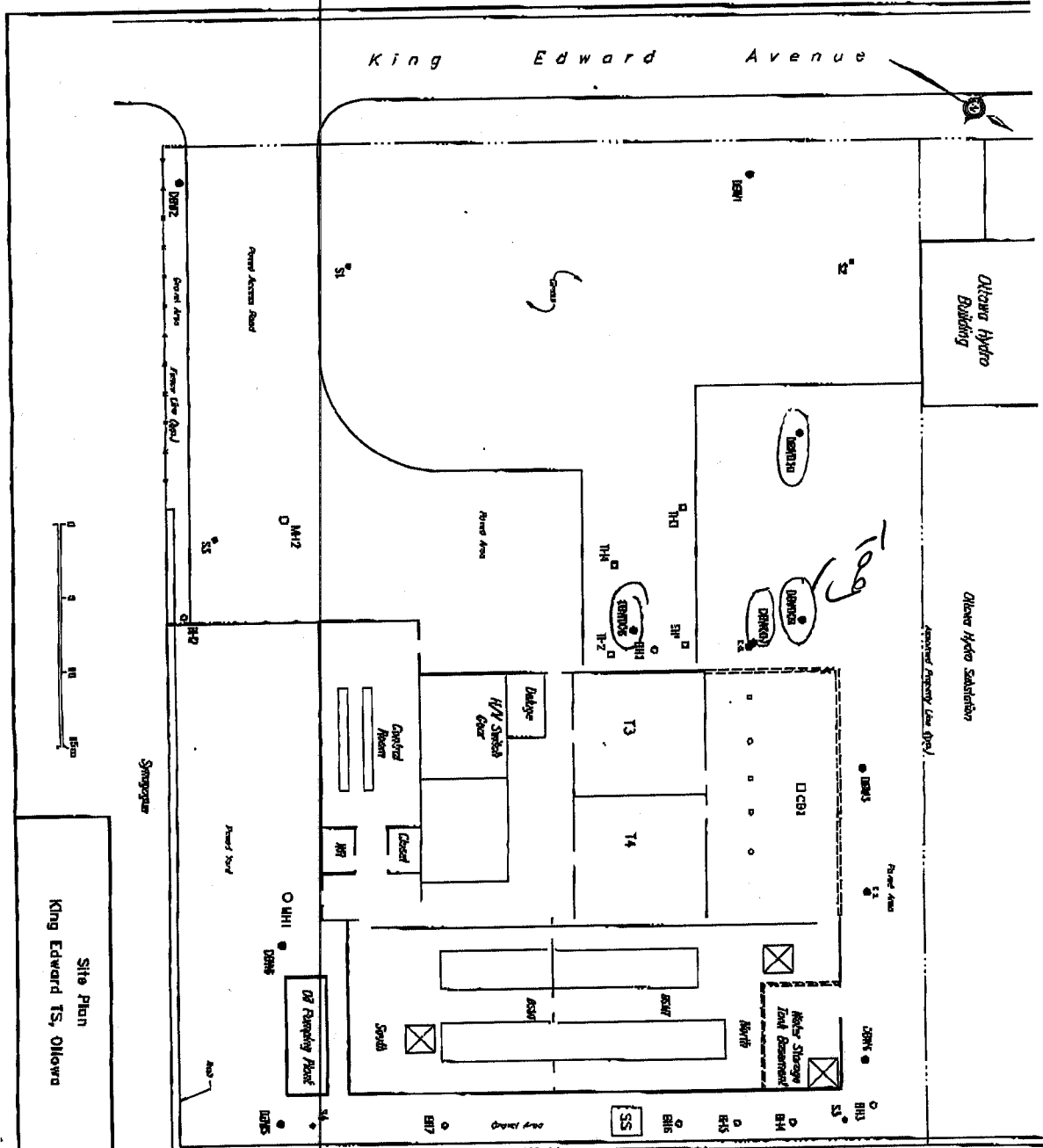
Location of Well

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

Audit No. Z 11847 Date Well Completed 2004 5 6
 Was the well owner's information package delivered? Yes No

Ministry Use Only

Data Source: Contractor
 Contractor: 6607
 Date Received: OCT 06 2004
 Date of Inspection: [blank]
 Remarks: [blank]
 Well Record Number: 1535119



Site Plan
King Edward TS, Oltawa

O'CONNOR ASSOCIATES

ZOB NO.: 10-4817.2	DATE: 2004/05/11
FILE NO.: 6832003	DWG. NO.: 2

- LEGEND**
- Deep Borehole with Monitoring Pit
 - ▲ Alert to SWS by SWS (1999)
 - (Borehole to SWS by Oltawa, 2000)
 - (Borehole to SWS by Oltawa, 2000)
 - Tank Pit (No Monitoring used by SWS, 1999)
 - Sulfur and Sample System (1999)
 - Small Sulfur Pit
 - Asbestos
 - Caten Cable
 - Open Dkt
 - Fiber Duct

OCT 06 2004

211847

6607

A010827

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only																					
MUN									CON			LOT									

Well Owner's Information and Location of Well Information

RR#/Street Number/Name: 351 King Edward Ave City/Town/Village: Ottawa Site/Compartment/Block/Tract etc.:

GPS Reading: NAD: 83 Zone: 18 Easting: 446330 Northing: 5030943 Unit Make/Model: Mode of Operation: Undifferentiated Averaged Differentiated, specify _____

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Metres To
Grey	Clay		Soft	0	4.5

Hole Diameter			Construction Record					Test of Well Yield				
Depth From	Metres To	Diameter Centimetres	Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To	Pumping test method	Draw Down Time min	Water Level Metres	Recovery Time min	Water Level Metres
0	4.5	5 cm	5	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	0.7	0	0.5	Pump intake set at - (metres)	Static Level			
Water Record			Casing					Screen				
Water found at <u>3</u> Metres	Kind of Water		<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass					Recommended pump type				
<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete					<input type="checkbox"/> Shallow <input type="checkbox"/> Deep				
<input type="checkbox"/> Other:	<input type="checkbox"/> Salty	<input type="checkbox"/> Minerals	<input type="checkbox"/> Galvanized					Recommended pump depth				
<input type="checkbox"/> Gas	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass					Recommended pump rate (litres/min)				
<input type="checkbox"/> Other:	<input type="checkbox"/> Salty	<input type="checkbox"/> Minerals	<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete					If flowing give rate - (litres/min)				
<input type="checkbox"/> Gas	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Galvanized					If pumping discontinued, give reason.				
<input type="checkbox"/> Other:	<input type="checkbox"/> Salty	<input type="checkbox"/> Minerals	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass									
After test of well yield, water was			Outside diam									
<input type="checkbox"/> Clear and sediment free			<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete									
<input type="checkbox"/> Other, specify _____			<input type="checkbox"/> Galvanized									
Chlorinated <input type="checkbox"/> Yes <input type="checkbox"/> No			Slot No.									
			6.4					10 0.5 4.5				
			No Casing or Screen									
			<input type="checkbox"/> Open hole									

Plugging and Sealing Record Annular space Abandonment

Depth set at - Metres	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0 to 0.5	BENTONITE	1

Location of Well

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

Method of Construction

Cable Tool Rotary (air) Diamond Digging

Rotary (conventional) Air percussion Jetting Other

Rotary (reverse) Boring Driving

Water Use

Domestic Industrial Public Supply Other

Stock Commercial Not used

Irrigation Municipal Cooling & air conditioning

Final Status of Well

Water Supply Recharge well Unfinished Abandoned, (Other)

Observation well Abandoned, insufficient supply Dewatering

Test Hole Abandoned, poor quality Replacement well

Audit No. **2 31671** Date Well Completed YYYY MM DD **2005 10 25**

Was the well owner's information package delivered? Yes No Date Delivered YYYY MM DD

Well Contractor/Technician Information

Name of Well Contractor: O'CONNOR ASSOCIATES ENVIRONMENTAL INC Well Contractor's Licence No.: 7303

Business Address (street name, number, city etc.): 2150 Winston Park dr # 200, Oakville ON, L6H 5V1

Name of Well Technician (last name, first name): MCCarthy Scott Well Technician's Licence No.: T-3238

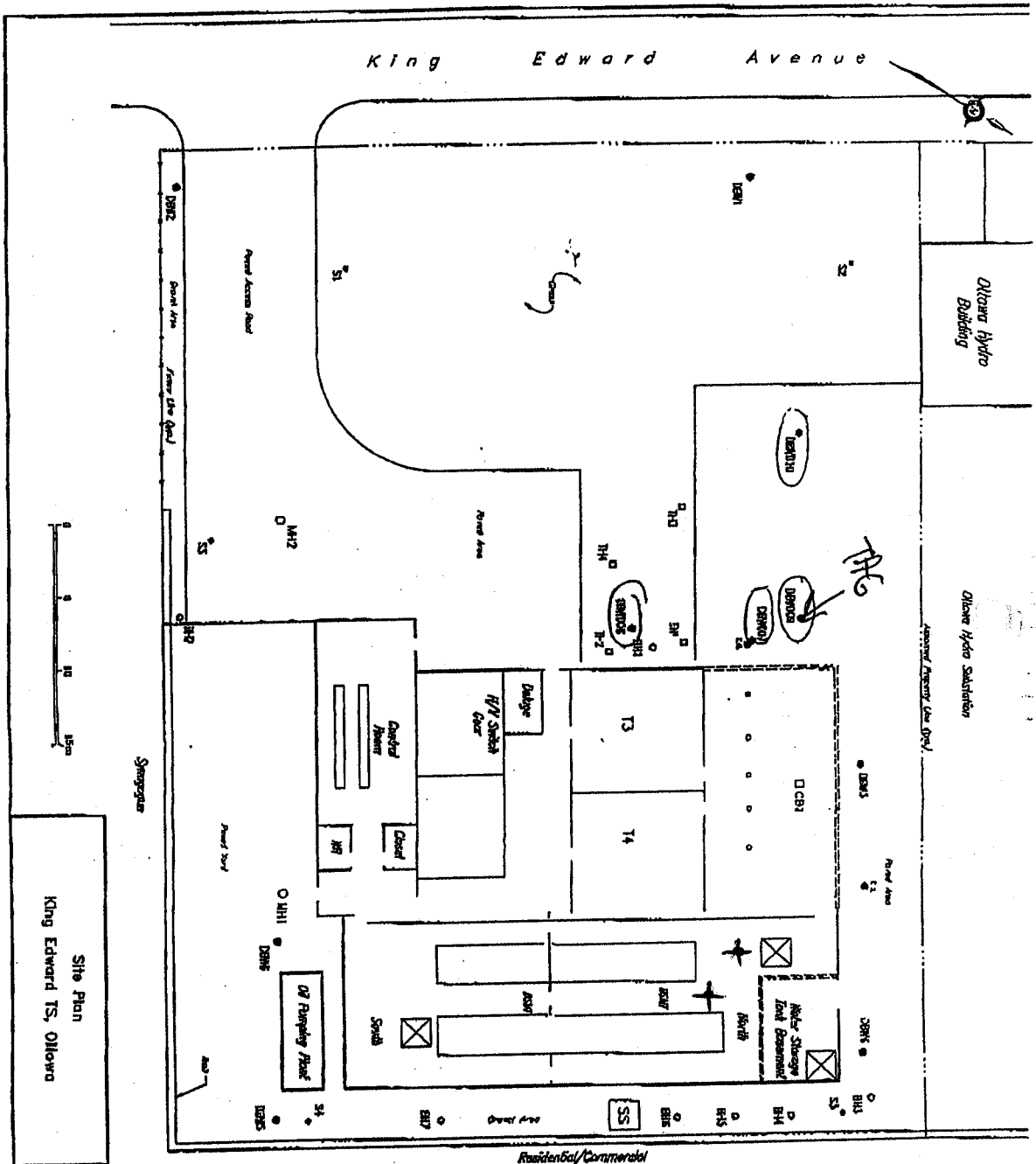
Signature of Technician/Contractor: [Signature] Date Submitted YYYY MM DD: 2005 10 19

Ministry Use Only

Data Source: Contractor **7303**

Date Received YYYY MM DD: **OCT 05 2005** Date of Inspection YYYY MM DD

Remarks: Well Record Number



Site Plan
King Edward TS, Ottawa

		O'CONNOR ASSOCIATES
		KCB NO. 1: 07-03372 DATE: 2004/08/11 FILE NO.: 0423503 PRC. NO.: 2

- LEGEND**
- Deep Baseline Risk Assessment (Not to scale by Souda, 1999)
 - Shallow Baseline Risk Assessment (Not to scale by Souda, 1999)
 - Shallow Baseline Risk Assessment (Not to scale by Souda, 1999)
 - Test Pit for Sampling (Not to scale by Souda, 1999)
 - Surface and Sample Points (1999)
 - Risk System Policy
 - Assets
 - Other Uses
 - Other Use
 - Other Use

7303

231671

OCT 05 2005



A041760

Instructions for Completing Form

- For use in the Province of Ontario only. This document is a permanent legal document. Please retain for future reference.
- All Sections must be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- All metre measurements shall be reported to 1/10th of a metre.
- Please print clearly in blue or black ink only.

Ministry Use Only

Address of Well Location (County/District/Municipality) Ottawa Township _____ Lot _____ Concession _____

RR#/Street Number/Name _____ City/Town/Village _____ Site/Compartment/Block/Tract etc. _____

GPS Reading 381 King Edward Ave Northing 8.3 Unit 18 Mode of Operation: Undifferentiated Averaged Differentiated, specify _____

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Metres To
Brown	Sand	Gravel	loose Dry	9	4'
Grey	Clay		Moist Soft	4'	24'
Grey	Clay	silt, Sand, Cobble	Wet soft	24'	26'

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	26'	84"

Water Record

Water found at _____ Metres Kind of Water _____

m Fresh Sulphur Gas Salty Minerals Other: _____

m Fresh Sulphur Gas Salty Minerals Other: _____

After test of well yield, water was Clear and sediment free Other/specify _____

Chlorinated Yes No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To
2"	Steel <input checked="" type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized <input type="checkbox"/>	sch 40	0	10'
2.5"	Steel <input checked="" type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized <input type="checkbox"/>	.010	10'	26'

Screen

Outside diam _____ Slot No. _____

Steel Fibreglass Plastic Concrete Galvanized

No Casing or Screen

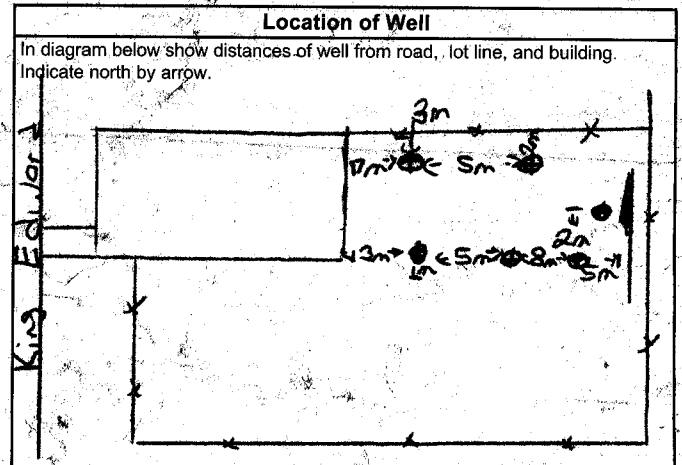
Open hole

Test of Well Yield

Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping _____ hrs + _____ min	2		2	
Final water level end of pumping _____ metres	3		3	
Recommended pump type <input type="checkbox"/> Shallow <input type="checkbox"/> Deep	4		4	
Recommended pump depth _____ metres	5		5	
Recommended pump rate (litres/min)	10		10	
If flowing give rate (litres/min)	15		15	
	20		20	
	25		25	
If pumping discontinued, give reason.	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record

Depth set at Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	1'	Concrete	
	9'	Bentonite	
	26'	Sand	



Method of Construction

Cable Tool Rotary (air) Diamond Digging Rotary (conventional) Air percussion Jetting Other Rotary (reverse) Boring Driving

Water Use

Domestic Industrial Public Supply Other Stock Commercial Not used Irrigation Municipal Cooling & air conditioning

Final Status of Well

Water Supply Recharge well Unfinished Abandoned, (Other) Observation well Abandoned, insufficient supply Dewatering Test Hole Abandoned, poor quality Replacement well

Audit No. **Z 46746** Date Well Completed **2006 08 23**

Was the well owner's information package delivered? Yes No Date Delivered _____

Well Contractor/Technician Information

Name of Well Contractor Walker Drilling Well Contractor's Licence No. 7-7201

Business Address (street name, number, city etc.) 5407 25th Sideroad Utopia ON L0M1R5

Name of Well Technician (last name, first name) BIGELOW BRIAN Well Technician's Licence No. 7-3188

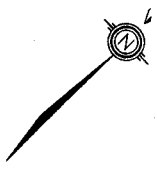
Signature of Technician/Contractor _____ Date Submitted 2006 08 23

Ministry Use Only

Data Source _____ Contractor **7201**

Date Received AUG 21 2006 Date of Inspection _____

Remarks _____ Well Record Number _____



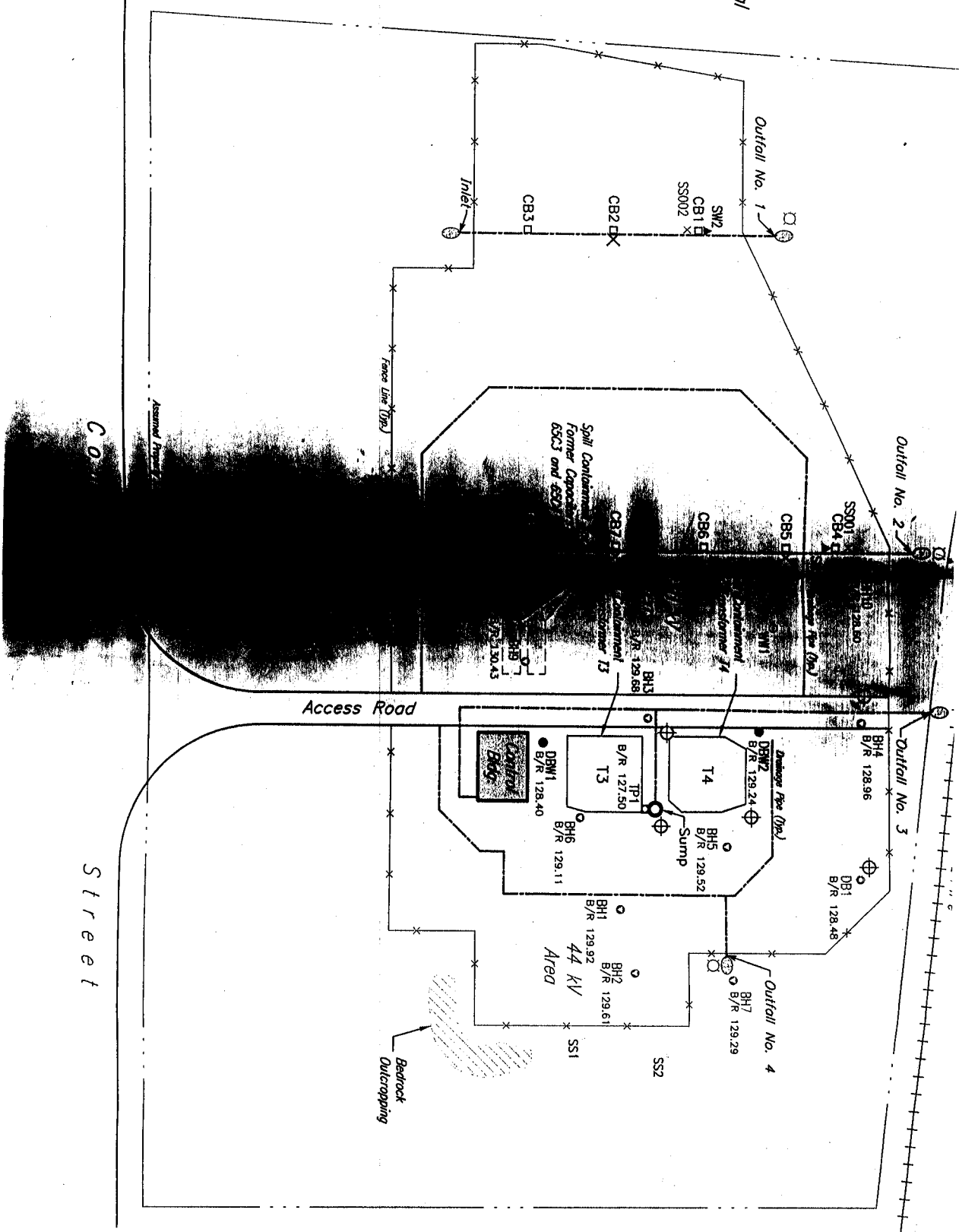
Residential/Agricultural

Proposed Sampling Locations

- ⊕ Deep Borehole with Monitoring Well
- × Soil Sample
- Shallow Borehole

LEGEND

- Catch Basin
- Deep Borehole with Monitoring Well (by Golder Associates, 2000)
- Deep Borehole (No Monitoring Well, by Golder Associates, 2000)
- Shallow Borehole (No Monitoring Well, by Golder Associates, 2000)
- × Sediment Soil Sample (by Golder Associates, 2000)
- ▲ Surface Water Sample (by Golder Associates, 2000)
- Test Pit (by Golder Associates, 2000)
- ⊙ Water Well



A041760

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

Well Owner's Information and Location of Well Information

Address of Well Location (County/District/Municipality): **351 King Edward Ave** Township: **M20 #15** Lot: **Lot 6-57** Concession: **5000**

RR#/Street Number/Name: **351 King Edward Ave** City/Town/Village: **Ottawa** Site/Compartment/Block/Tract etc.:

GPS Reading NAD Zone Easting Northing Unit Make/Model Mode of Operation: Undifferentiated Averaged Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth Metres	
				From	To

Hole Diameter

Depth From	Metres To	Diameter Centimetres

Water Record

Water found at Metres / Kind of Water

m Fresh Sulphur Gas Salty Minerals Other:

m Fresh Sulphur Gas Salty Minerals Other:

m Fresh Sulphur Gas Salty Minerals Other:

After test of well yield, water was Clear and sediment free Other, specify

Chlorinated Yes No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth Metres	
			From	To
Casing				
<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				
<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				
<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				
Screen				
Outside diam	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	Slot No.		
No Casing or Screen				
<input type="checkbox"/> Open hole				

Test of Well Yield

Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping ____ hrs + ____ min	2		2	
Final water level end of pumping ____ metres	3		3	
Recommended pump type <input type="checkbox"/> Shallow <input type="checkbox"/> Deep	4		4	
Recommended pump depth ____ metres	5		5	
Recommended pump rate (litres/min)	10		10	
If flowing give rate - (litres/min)	15		15	
	20		20	
	25		25	
If pumping discontinued, give reason.	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record Annular space Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6	bentonite slurry	

Location of Well

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

See Attached map.

Method of Construction

Cable Tool Rotary (air) Diamond Digging Rotary (conventional) Air percussion Jetting Other Rotary (reverse) Boring Driving

Water Use

Domestic Industrial Public Supply Other Stock Commercial Not used Irrigation Municipal Cooling & air conditioning

Final Status of Well

Water Supply Recharge well Unfinished Abandoned, (Other) Observation well Abandoned, insufficient supply Dewatering Test Hole Abandoned, poor quality Replacement well

Audit No. **z 51341** Date Well Completed **2007 04 25**

Was the well owner's information package delivered? Yes No Date Delivered **2007 04 25**

Well Contractor/Technician Information

Name of Well Contractor: **Walker Drilling** Well Contractor's Licence No.: **7201**

Business Address (street name, number, city etc.): **Barrie Ont**

Name of Well Technician (last name, first name): **Hamilton Keith** Well Technician's Licence No.: **13107**

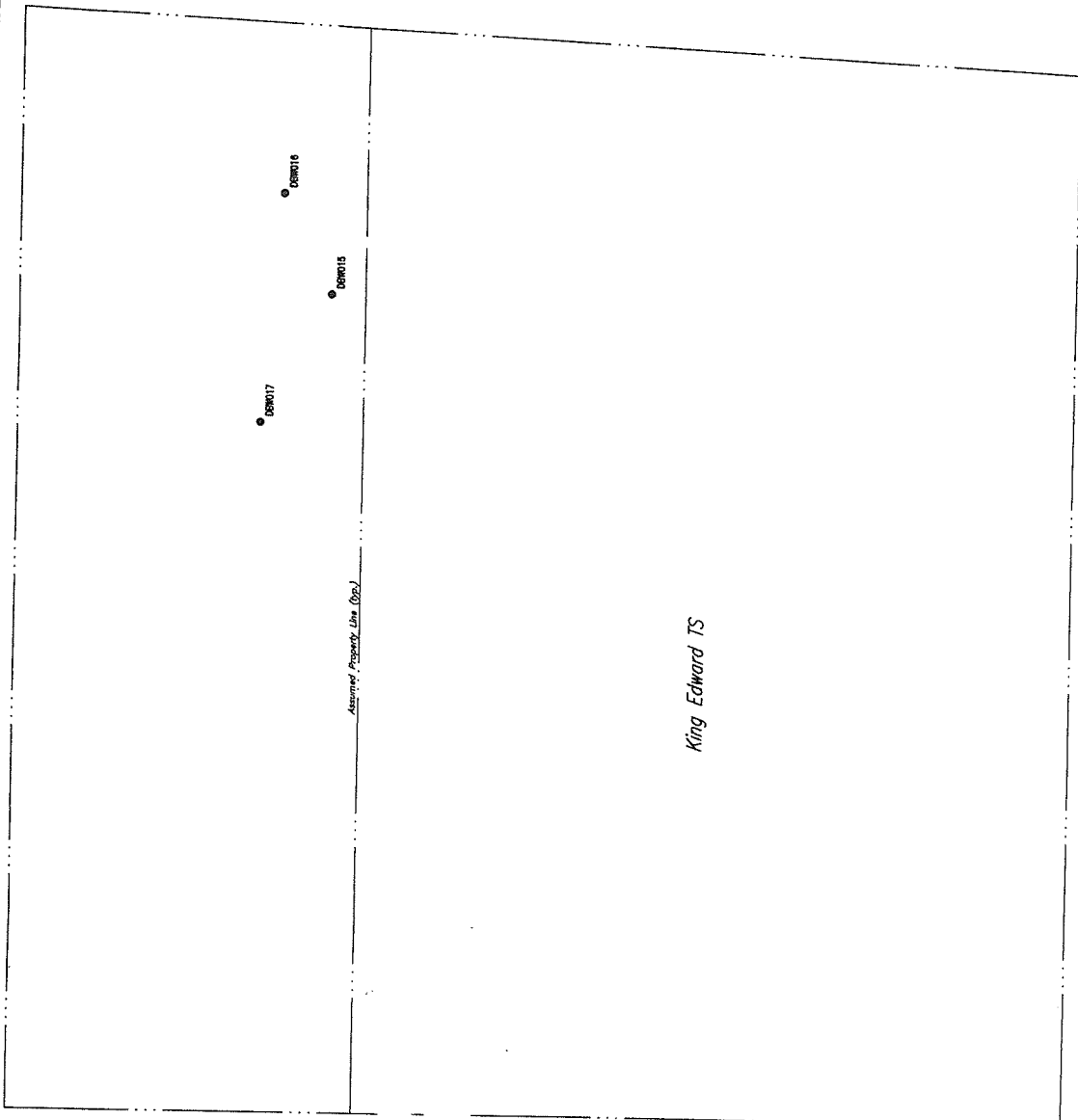
Signature of Technician/Contractor: **[Signature]** Date Submitted **2007 04 25**

Ministry Use Only

Data Source: Contractor **7201**

Date Received **MAY 28 2007** Date of Inspection

Remarks: Well Record Number:



King Edward Avenue

King Edward TS

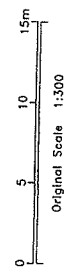
Assumed Property Line (Dotted)

DEM017
DEM016

DEM015

LEGEND

- Deep Borehole With Monitoring Well By O'Connor Associates, 2006



Site Plan
King Edward TS, Ottawa

O'CONNOR ASSOCIATES

JOB NO.: 10-6832.7	DATE: 2007/03/29
FILE NO.: 6832R042	DWG. NO.: 1

Z51341
1027

MAY 28 2007

Address of Well Location (Street Number/Name) 360 King Edward Avenue		Township Ottawa	Lot	Concession
County/District/Municipality Ottawa Carleton		City/Town/Village Ottawa	Province Ontario	Postal Code
UTM Coordinates Zone	Easting	Northing	Municipal Plan and Sublot Number	
NAD 8	3	1844625	05030947	

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)				
General Colour	Most Common Material	Other Materials	Depth (m/ft)	
			From	To
		fill; silty sand, some clay	0	2.0
gray		silty clay, some sand	2.0	7.0
gray		glacial fill; gravelly sand, some silt	7.0	9.0
		Limestone bedrock	9.0	12.95

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
0	9.6 bentonite pellets & holeplug	1 bag	
9.6	12.95 filter sand	1/2 bag	

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input checked="" 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 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	
3.5	plastic	0.4	0	9.9	<input type="checkbox"/> Water Supply
					<input type="checkbox"/> Replacement Well
					<input checked="" type="checkbox"/> Test Hole
					<input type="checkbox"/> Recharge Well
					<input type="checkbox"/> Dewatering Well
					<input type="checkbox"/> Observation and/or Monitoring Hole
					<input type="checkbox"/> Alteration (Construction)
					<input type="checkbox"/> Abandoned, Insufficient Supply
					<input type="checkbox"/> Abandoned, Poor Water Quality
					<input type="checkbox"/> Abandoned, other, specify
					<input type="checkbox"/> Other, specify

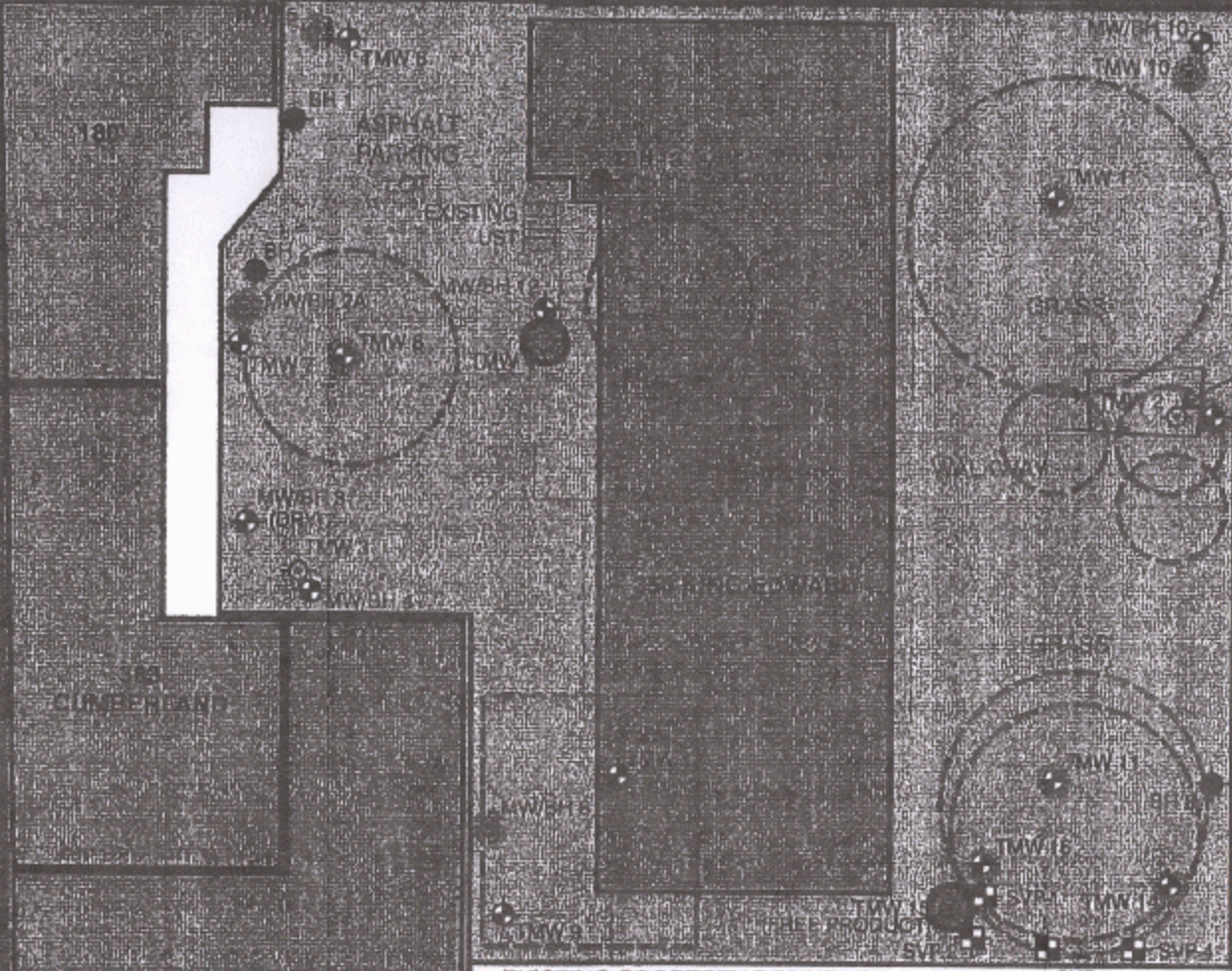
Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.1	plastic	10	9.9	12.95

Water Details		Hole Diameter		
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	Depth (m/ft)	Diameter (cm/in)	
		From	To	
		0	9.1	7.5
		9.1	12.95	5.6

Well Contractor and Well Technician Information			
Business Name of Well Contractor OGS INC		Well Contractor's Licence No. 6964	
Business Address (Street Number/Name) 5518 Appleton Side Road		Municipality Almonte	
Province Ontario	Postal Code K0A1A0	Business E-mail Address ogsinc@bellnet.ca	
Bus. Telephone No. (inc. area code) 613 256 7666	Name of Well Technician (Last Name, First Name) Echlin, Chad		
Well Technician's Licence No. 3299	Signature of Technician and/or Contractor <i>[Signature]</i>	Date Submitted 2009/11/27	

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

Map of Well Location	
Please provide a map below following instructions on the back.	
<p style="font-size: 24px; text-align: center;">Site plan and area map are enclosed.</p>	
Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D 2009/11/24
Date Work Completed 2009/11/27	
Ministry Use Only Audit No. Z 106954 DEC 03 2009 Received	



Well that was replaced

2-6964
2106954

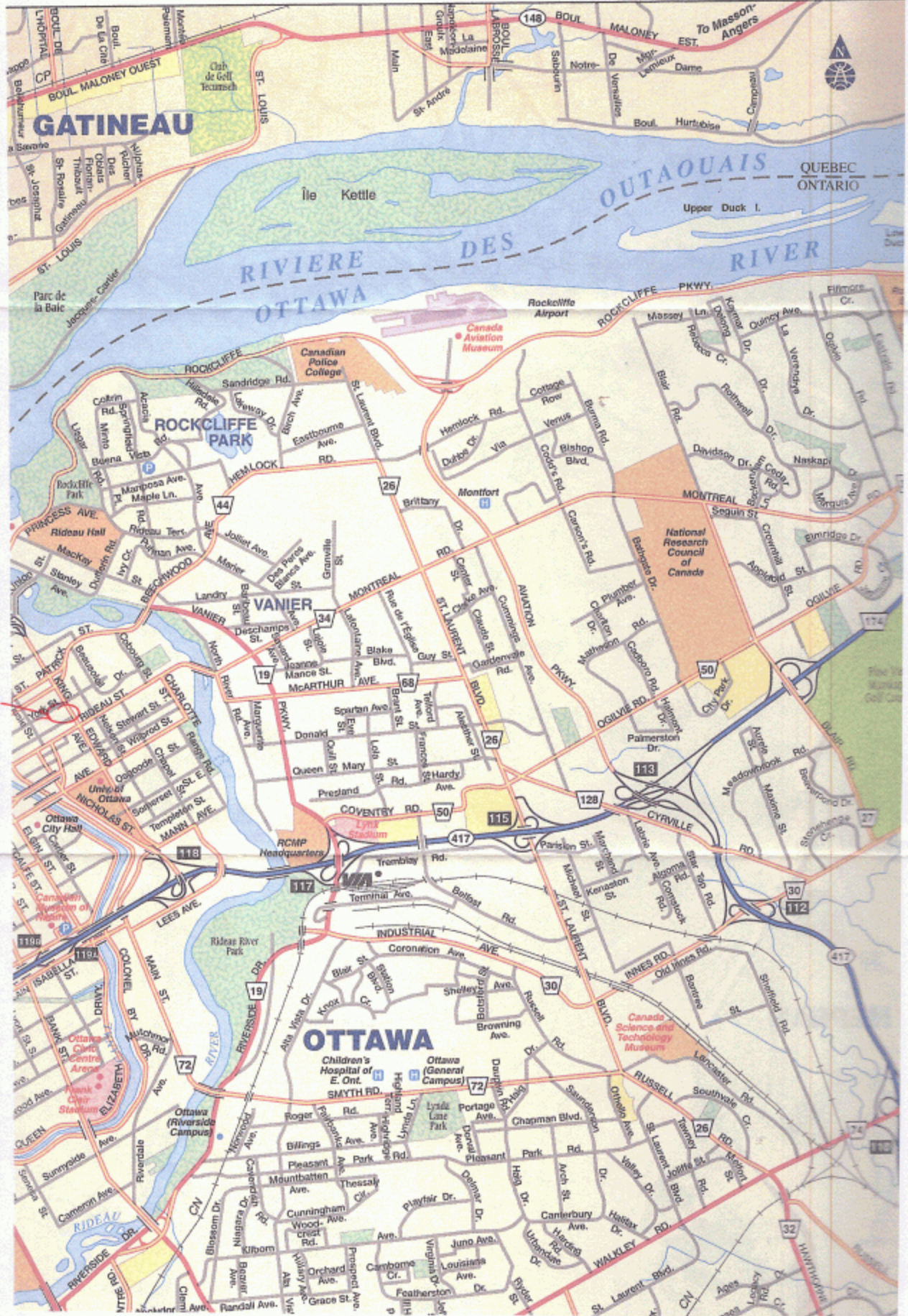
DEC 03 2009

EXISTING PROPERTY BOUNDARY SVP-3

195 GEORGE STREET
CHILD CARE CENTRE

VELL
NG WELL

ENCE



Sib

C-6964
2106954

DEC 03 2009

Address of Well Location (Street Number/Name) 207 & 209 Guigues Avenue Township _____ Lot _____ Concession _____

County/District/Municipality _____ City/Town/Village Ottawa Province Ontario Postal Code _____

UTM Coordinates Zone Easting Northing Municipal Plan and Sublot Number Other WKQ-003035 A 0 - A 01

NAD 83 18 445946 5031240

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
Brown	Clay	Sand	moist	0	4
Gray	Clay	Sand		4	8
Gray	Clay			8	20

Annular Space

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
8 20	Sand	
80 8	Benseal	

Results of Well Yield Testing

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: _____	Static Level			
	1		1	
	Pump intake set at (m/ft)	2	2	
	Pumping rate (l/min / GPM)	3	3	
	Duration of pumping _____ hrs + _____ min	4	4	
	Final water level end of pumping (m/ft)	5	5	
If flowing give rate (l/min / GPM)	10	10	10	10
	15	15	15	15
	20	20	20	20
	25	25	25	25
Recommended pump depth (m/ft)	30	30	30	30
	40	40	40	40
Recommended pump rate (l/min / GPM)	50	50	50	50
	60	60	60	60

Method of Construction

Cable Tool Diamond Public Commercial Not used
 Rotary (Conventional) Jetting Domestic Municipal Dewatering
 Rotary (Reverse) Driving Livestock Test Hole Monitoring
 Boring Digging Irrigation Cooling & Air Conditioning
 Air percussion Industrial
 Other, specify **Direct Push** Other, specify _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
1.25	PVC		0	9	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input 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)	
			From	To
1.5	PVC		9	19

Water Details

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0' 19'	2.5"
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		

Well Contractor and Well Technician Information

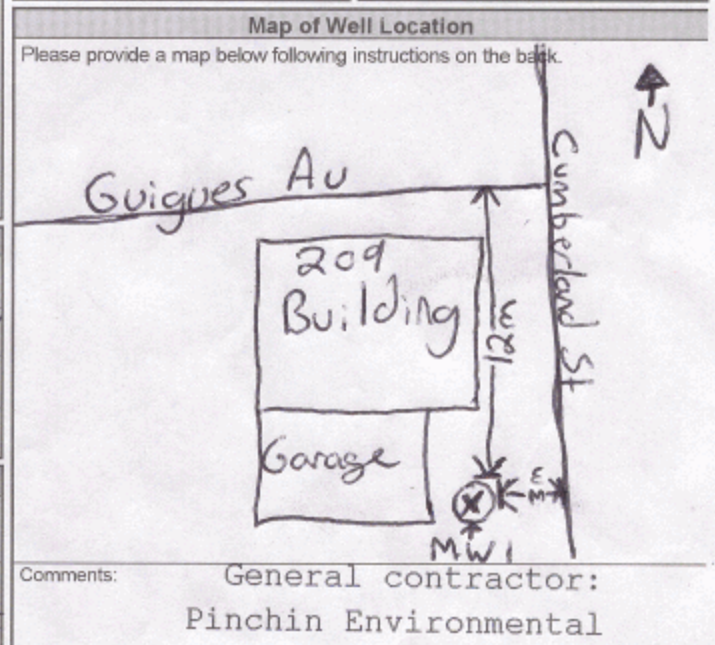
Business Name of Well Contractor: Strata Soil Sampling Inc. Well Contractor's Licence No.: 7 2 4 1

Business Address (Street Number/Name): 147-2 West Beaver Creek Road Municipality: Richmond Hill

Province: Ontario Postal Code: L4B 1C6 Business E-mail Address: wrecords@stratasoil.com

Bus. Telephone No. (inc. area code): 905-764-9304 Name of Well Technician (Last Name, First Name): **Muir, Mike**

Well Technician's Licence No.: 3 4 4 8 Signature of Technician and/or Contractor: *[Signature]* Date Submitted: 20100910



Comments: General contractor: Pinchin Environmental

Well owner's information package delivered: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered: 20100917	Date Work Completed: 20100917	Ministry Use Only
			Audit No. z122054
			Received: NOV 04 2010

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Well record information

Full well record information. Contains information from the original well record and any subsequent updates.

Well record information:

Well ID

Well ID Number: 7196201

Well Audit Number: Z154352

Well Tag Number: A141928

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

Well Location

Address of Well Location	333 KING EDWARD AVE
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 446270.00 Northing: 5030992.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK				0 ft	.31 ft
BRWN	FILL			.31 ft	1.83 ft
GREY	CLAY			1.83 ft	4.27 ft

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 ft	.31 ft	CONCRETE	
.31 ft	.91 ft	BENSEAL	
.91 ft	4.27 ft	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
3.45 inch	PLASTIC	0 ft	1.22 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
10 inch	PLASTIC	1.2 ft	4.23 ft

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 ft	4.21 ft	5.74 inch

Audit Number: Z154352

Date Well Completed: December 17, 2012

Date Well Record Received by MOE: January 28, 2013

Updated: March 12, 2015

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Tags

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- [Drinking water](#),
- [Well water](#)



[Glen Murray](#)

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Ministry of the Environment

Sticker and/or Print Below

A 087362 A.087362

51246-1 Well Record

Regulation 903 Ontario Water Resources Act

Page 2 of 2

Measurements recorded in: Metric In

Well Owner's Information

First Name, Last Name / Organization (Allegro), E-mail Address, Mailing Address, Municipality, Province, Postal Code, Telephone No.

Well Location

Address of Well Location (240 Friel St), Township, Lot, Concession, City/Town/Village (Ottawa), Province (Ontario), UTM Coordinates, Zone, Easting, Northing, Municipal Plan and Sublot Number.

Overburden and Bedrock Materials/Abandonment Sealing Record

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Includes entries for Fill and Clay.

Annular Space table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used, Volume Placed (m³/ft³). Includes entries for Concrete Flushmount, Benzol, and Sand.

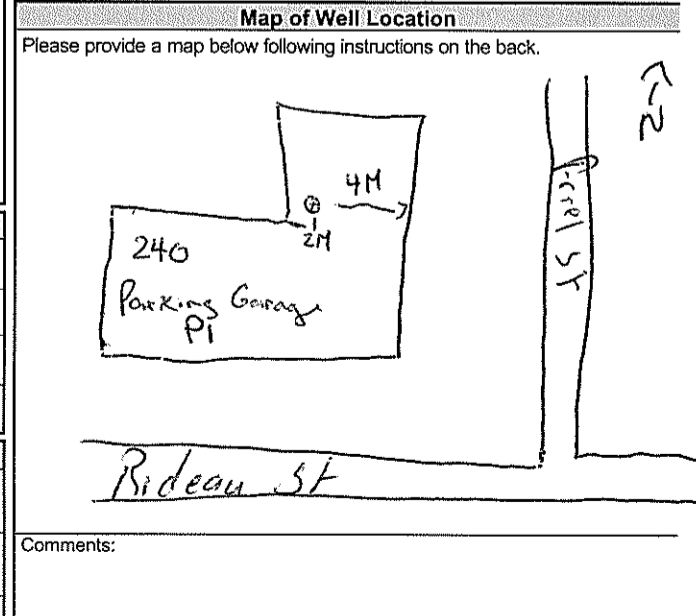
Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Includes pumping rate, duration, and final water level.

Method of Construction and Well Use checkboxes. Includes options like Cable Tool, Rotary, Boring, and various well uses like Domestic, Commercial, etc.

Construction Record - Casing and Screen tables. Includes columns for Inside/Outside Diameter, Material, Wall Thickness, Slot No., and Depth (m/ft).

Water Details and Hole Diameter tables. Includes columns for Water found at Depth, Kind of Water, and Hole Diameter (Depth, Diameter).

Well Contractor and Well Technician Information. Includes Business Name (Strata Soil Sampling), Address (147-2 W. Beaver Creek), and Technician Name (Beatty Brian).



Final summary section including Well owner's information package delivered status, Date Package Delivered, Date Work Completed, and Ministry Use Only Audit No. (2145234) dated MAR 09 2012.



Measurements recorded in: Metric Imperial

A 086627

A086627

5-12148 Page 1 of 1

Well Owner's Information

First Name: Allegro, Last Name / Organization: , E-mail Address: , Mailing Address (Street Number/Name): , Municipality: , Province: , Postal Code: , Telephone No. (inc. area code):

Well Location

Address of Well Location (Street Number/Name): 240 Laurel St, Township: , Lot: , Concession: , County/District/Municipality: , City/Town/Village: Ottawa, Province: Ontario, Postal Code: , UTM Coordinates: NAD 83 18 446521 5031006

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

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Includes entries for fill and sand/stone/clay.

Annular Space table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³). Includes entries for concrete flush mount, Benseal, and sand.

Method of Construction and Well Use checkboxes. Includes options like Cable Tool, Rotary, Boring, Air percussion, Diamond, Jetting, Driving, Digging, Public, Commercial, Domestic, Municipal, Irrigation, Industrial, etc.

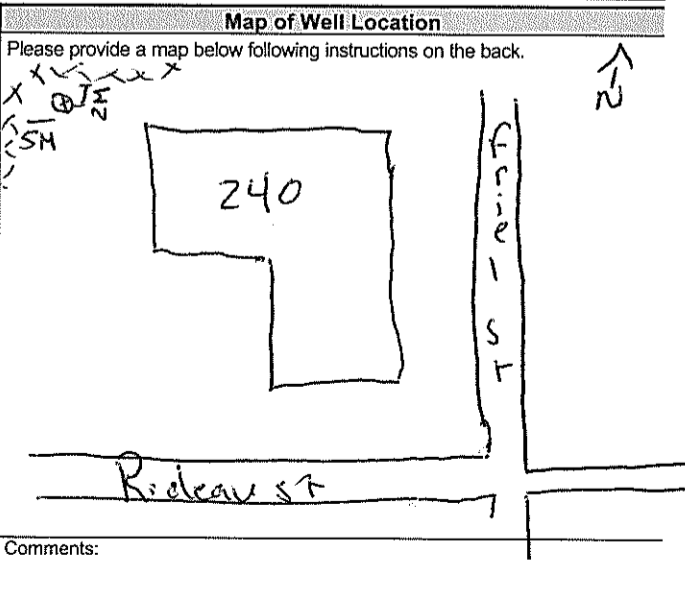
Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To, Status of Well. Includes entry for PVC casing.

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To, Status of Well. Includes entry for PVC screen.

Water Details and Hole Diameter table. Includes columns for Water found at Depth, Kind of Water, Depth (m/ft) From, To, Diameter (cm/in).

Well Contractor and Well Technician Information. Includes Business Name of Well Contractor (Strata Soil Sampling), Business Address (147-2 W. Beaver Creek), Name of Well Technician (Beatty Brian), etc.

Results of Well Yield Testing table. Includes columns for Draw Down (Time, Water Level) and Recovery (Time, Water Level). Includes entries for pumping duration and water level.



Ministry Use Only section. Includes Audit No. (Z145215), Date Package Delivered (20120201), Date Work Completed (20120201), and Well owner's information package delivered status.



Ministry of the Environment

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

1123817

S-12145 ~~512144~~
Well Record
Regulation 903 Ontario Water Resources Act

Well Location

Address of Well Location (Street Number/Name) 240 Laurel St Township _____ Lot _____ Concession _____
 County/District/Municipality _____ City/Town/Village _____ Province **Ontario** Postal Code _____
 UTM Coordinates Zone Easting Northing Municipal Plan and Sublot Number Other
 NAD | 8 | 3 | 1 | 8 | 4 | 4 | 6 | 5 | 2 | 1 | 5 | 0 | 3 | 1 | 0 | 0 | 6

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/GRY	Fill		dry hard	0	3.1
BLK/GRY	Fill		wet hard	3.1	4.57

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
0 - 3.1	Concrete flush mount	
3.1 - 1.22	Bens-wt	
1.22 - 4.57	Sand	

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

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"/> 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 type="checkbox"/> Test Hole	<input 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 flush</u>		<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)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" 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 _____
			From	To	
3.45	PVC	.356	0	1.5	

Construction Record - Screen				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		
			From	To	
4.21	PVC	10	1.5	4.57	

Water Details		Hole Diameter		
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	Depth (m/ft) From	To	Diameter (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	0	4.57	5.71
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			

Well Contractor and Well Technician Information

Business Name of Well Contractor Strata Soil Sampling Well Contractor's Licence No. 7121411
 Business Address (Street Number/Name) #2-147 West Beaver Creek Rd. Municipality Richmond Hill
 Province ON Postal Code L4B1C6 Business E-mail Address _____

Bus. Telephone No. (inc. area code) 905 764 1930 Name of Well Technician (Last Name, First Name) _____
 Well Technician's Licence No. _____ Signature of Technician and/or Contractor _____ Date Submitted 2012/02/24

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 Y Y Y Y M M D D	Ministry Use Only Audit No. 2145285 Received MAY 17 2012
	Date Work Completed 2012/02/24	



Measurements recorded in: Metric Imperial

Well Owner's Information

First Name, Last Name / Organization (Allegro), E-mail Address, Mailing Address, Municipality, Province, Postal Code, Telephone No.

Well Location

Address of Well Location (240 Friel St), Township (Ottawa), Lot, Concession, County/District/Municipality, City/Town/Village, Province (Ontario), Postal Code, UTM Coordinates, Zone, Easting, Northing, Municipal Plan and Sublot Number, Other

Overburden and Bedrock Materials/Abandonment Sealing Record

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Includes handwritten entries for soil and clay.

Annular Space table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used; Volume Placed (m³/ft³). Includes handwritten entries for concrete flushment, bentonite, and sand.

Results of Well Yield Testing table with columns: After test of well yield, water was; Draw Down (Time, Water Level); Recovery (Time, Water Level). Includes handwritten data for pumping tests.

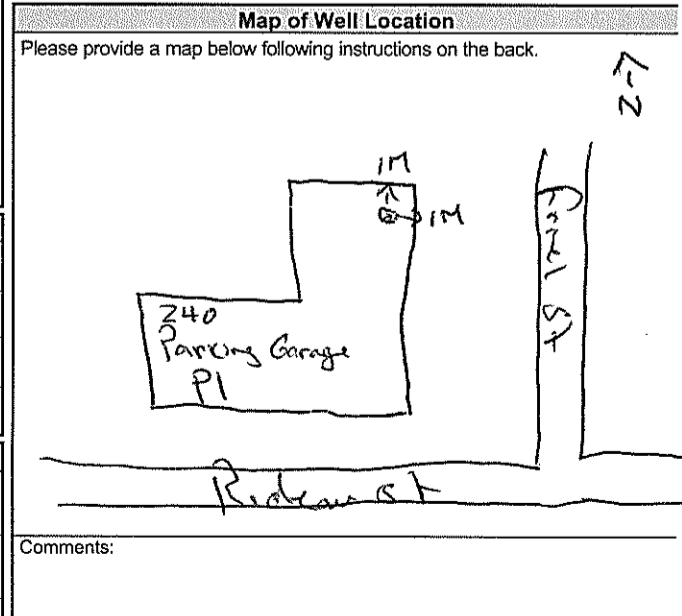
Method of Construction and Well Use section with checkboxes for Cable Tool, Rotary, Boring, etc., and Public, Commercial, Municipal, etc.

Construction Record - Casing table with columns: Inside Diameter, Open Hole OR Material, Wall Thickness, Depth (m/ft) From, To. Includes handwritten entries for PVC casing.

Construction Record - Screen table with columns: Outside Diameter, Material, Slot No., Depth (m/ft) From, To. Includes handwritten entries for PVC screen.

Water Details and Hole Diameter table with columns: Water found at Depth, Kind of Water, Depth (m/ft) From, To, Diameter (cm/in).

Well Contractor and Well Technician Information section with fields for Business Name, Address, Licence No., and Technician Name.



Well owner's information package delivered, Date Package Delivered, Date Work Completed, Well owner's information package delivered (Yes/No).

Ministry Use Only section with Audit No. (Z145283), Received date (MAR 09 2012).

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Well record information

Full well record information. Contains information from the original well record and any subsequent updates.

Well record information:

Well ID

Well ID Number: 7196200

Well Audit Number: Z154354

Well Tag Number: A141924

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

Well Location

Address of Well Location	333 KING EDWARD
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: 446333.00 Northing: 5031022.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK		GRVL	HARD	0 ft	.31 ft
BRWN	FILL		LOOS	.31 ft	1.83 ft
GREY	CLAY			1.83 ft	4.27 ft

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 ft	.31 ft	CONCRETE	
.31 ft	.91 ft	BENSEAL	
.91 ft	4.27 ft	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
3.45 inch	PLASTIC	0 ft	1.22 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.21 inch	PLASTIC	1.22 ft	4.27 ft

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 ft	4.27 ft	5.71 inch

Audit Number: Z154354

Date Well Completed: December 18, 2012

Date Well Record Received by MOE: January 28, 2013

Updated: March 12, 2015

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Well record information

Full well record information. Contains information from the original well record and any subsequent updates.

Well record information:

Well ID

Well ID Number: 7196197

Well Audit Number: Z152991

Well Tag Number: A141926

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

Well Location

Address of Well Location	325 KING EDWARD AVE
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 446314.00 Northing: 5030983.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK			DNSE	0 ft	.31 ft
BRWN	SAND		HARD	.31 ft	1.52 ft
BLCK	SAND	FILL	LOOS	1.52 ft	3.35 ft
				3.35 ft	

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 ft	.31 ft	CONCRETE	
.31 ft	1.52 ft	BENTONITE	

1.5 ft 3.35 ft FILTER SAND

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 inch	PLASTIC	0 ft	1.83 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 inch	PLASTIC	1.83 ft	3.35 ft

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	

Water Details

Water Found at Depth	Kind
----------------------	------

Hole Diameter

Depth From	Depth To	Diameter
0 ft	3.35 ft	8.25 inch

Audit Number: Z152991

Date Well Completed: December 17, 2012

Date Well Record Received by MOE: January 28, 2013

Updated: March 12, 2015

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Well record information

Full well record information. Contains information from the original well record and any subsequent updates.

Well record information:

Well ID

Well ID Number: 7196198

Well Audit Number: Z153001

Well Tag Number: A141925

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

Well Location

Address of Well Location	333 KING EDWARD
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 446306.00 Northing: 5030982.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK		GRVL	HARD	0 ft	.31 ft
BRWN	FILL		LOOS	.31 ft	1.83 ft
GREY	CLAY			1.83 ft	4.27 ft

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 ft	.31 ft	CONCRETE	
.31 ft	.91 ft	BENSEAL	
.91 ft	4.27 ft	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
3.45 inch	PLASTIC	0 ft	1.22 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.21 inch	PLASTIC	1.22 ft	4.27 ft

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 ft	4.27 ft	5.7 inch

Audit Number: Z153001

Date Well Completed: December 18, 2012

Date Well Record Received by MOE: January 28, 2013

Updated: March 12, 2015

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Well record information

Full well record information. Contains information from the original well record and any subsequent updates.

Well record information:

Well ID

Well ID Number: 7196202

Well Audit Number: Z154351

Well Tag Number: A141927

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

Well Location

Address of Well Location	333 KING EDWARD ACVE
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: 446342.00 Northing: 5031012.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK				0 m	.31 m
BRWN	FILL			.31 m	1.222 m
GREY	CLAY	SOFT		1.222 m	4.57 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	1.22 m	BENSEAL	
1.22 m	4.57 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
3.45 cm	PLASTIC	0 m	1.5 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.21 cm	PLASTIC	1.5 m	4.57 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	4.57 m	5.71 cm

Audit Number: Z154351

Date Well Completed: December 17, 2012

Date Well Record Received by MOE: January 28, 2013

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Well record information

Full well record information. Contains information from the original well record and any subsequent updates.

Well record information:

Well ID

Well ID Number: 7196199

Well Audit Number: Z154353

Well Tag Number: A135124

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

Well Location

Address of Well Location	333 KING EDWARD
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: 446334.00 Northing: 5030971.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK		GRVL	HARD	0 m	.31 m
BRWN	FILL		LOOS	.31 m	1.83 m
GREY	CLAY			1.83 m	4.27 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	.91 m	BENSEAL	
.91 m	4.27 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
3.45 cm	PLASTIC	0 m	1.22 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.21 cm	PLASTIC	1.22 m	4.27 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	4.27 m	5.71 cm

Audit Number: Z154353

Date Well Completed: December 18, 2012

Date Well Record Received by MOE: January 28, 2013

Updated: March 12, 2015

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Measurements recorded in: Metric Imperial

A 087366 A087366

Well Owner's Information

First Name: Last Name / Organization: Allegro E-mail Address: 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): 240 Fines ST Township: Lot: Concession: City/Town/Village: Ottawa Province: Ontario Postal Code: Municipal Plan and Sublot Number: UTM Coordinates: Zone: Easting: Northing: NAD 83 18 446520 5638011 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
DK/GRY	Fill		Dry, Hard	0	1.83
GRY	Clay		Wet, Soft	1.83	3.1

Annular Space

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From	To	
0	.31 Concrete/Flashmort	
.31	1.22	
1.22	3.1	

Results of Well Yield Testing

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

Method of Construction: Cable Tool Rotary (Conventional) Rotary (Reverse) Boring Air percussion Other, specify direct push

Well Use: Public Commercial Not used Domestic Municipal Dewatering Livestock Test Hole Monitoring Irrigation Cooling & Air Conditioning Industrial Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
2.61	PVC	338	0	1.5	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" 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)		Status of Well
			From	To	
3.34	PVC	10	1.5	3.1	

Water Details

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	Hole Diameter	
		Depth (m/ft)	Diameter (cm/in)
		From	To
		0	3.1 5.71

Well Contractor and Well Technician Information

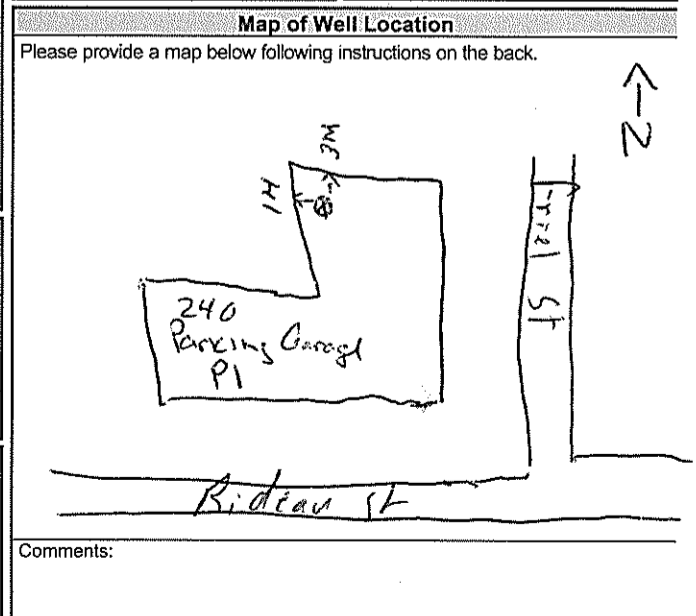
Business Name of Well Contractor: Strata Soil Sampling Well Contractor's Licence No.: 7241

Business Address (Street Number/Name): 147-2 W. Beaver Creek Municipality: Richmond Hill

Province: ON Postal Code: L4B 1K6 Business E-mail Address: wrecords@stratasoil.com

Bus. Telephone No. (inc. area code): 905 764 9304 Name of Well Technician (Last Name, First Name): Betty Brian

Well Technician's Licence No.: 3616 Signature of Technician and/or Contractor: Date Submitted: 20/12/08/07



Well owner's information package delivered: Yes No

Date Package Delivered: YYY Y MM DD: 2012 01 31

Date Work Completed: 2012 01 31

Ministry Use Only

Audit No.: Z145235

DATE: 09 2012

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Well record information

Full well record information. Contains information from the original well record and any subsequent updates.

Well record information:

Well ID

Well ID Number: 7197259

Well Audit Number: Z157000

Well Tag Number: A142691

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

Well Location

Address of Well Location	222 CUMBERLAND ROAD
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: 445900.00 Northing: 5031267.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	FILL	SAND	GRVL	0 m	.61 m
BRWN	CLAY	SILT	SOFT	.61 m	3.1 m
GREY	CLAY	SILT	SOFT	3.1 m	6.1 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.3 m	FLUSHMOUNT/ CONCRETE	
.3 m	2.74 m	BENTONITE	
2.74 m	6.1 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and 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	3.1 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	3.1 m	6.1 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	6.1 m	8.25 cm

Audit Number: Z157000

Date Well Completed: December 18, 2012

Date Well Record Received by MOE: February 14, 2013

Updated: March 12, 2015

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Well record information

Full well record information. Contains information from the original well record and any subsequent updates.

Well record information:

Well ID

Well ID Number: 7197258

Well Audit Number: Z156999

Well Tag Number: A142658

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

Well Location

Address of Well Location	222 CUMBERLAND RD.
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445900.00 Northing: 5031270.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	FILL	GRVL	LOOS	0 m	.61 m
BRWN	CLAY	SILT	SOFT	.61 m	3.1 m
GREY	CLAY	SILT	SOFT	3.1 m	7.62 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.3 m	FLUSHMOUHT/ CONCRETE	
.3 m	4.27 m	BENTONITE	
4.27 m	7.62 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and 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	7.62 m	8.25 cm

Audit Number: Z156999

Date Well Completed: December 18, 2012

Date Well Record Received by MOE: February 14, 2013

Updated: March 12, 2015

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Well record information

Full well record information. Contains information from the original well record and any subsequent updates.

Well record information:

Well ID

Well ID Number: 7195092

Well Audit Number: Z150541

Well Tag Number: A132265

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

Well Location

Address of Well Location	227 CUMBERLAND STREET
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: 445915.00 Northing: 5031280.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
				0 m	.15 m
	SAND	GRVL		.15 m	.3 m
BRWN	SAND	GRVL		.3 m	.6 m
BRWN	SAND			.6 m	1.15 m
BRWN	SILT	SAND		1.15 m	1.23 m
	SILT	CLAY		1.23 m	2.43 m
GREY	GRVL	CLAY		2.43 m	3.05 m
GREY	CLAY			3.05 m	4.3 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.6 m	BENTONITE PELLETS	
.6 m	4.3 m	FILTER SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Driving	Test Hole

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
3.5 cm	PLASTIC	0 m	1.2 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.1 cm	PLASTIC	1.2 m	4.3 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 6964

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
1.37 m	

Hole Diameter

Depth From	Depth To	Diameter
0 m	4.3 m	5.6 cm

Audit Number: Z150541

Date Well Completed: August 16, 2012

Date Well Record Received by MOE: January 10, 2013

Updated: March 12, 2015

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Well record information

Full well record information. Contains information from the original well record and any subsequent updates.

Well record information:

Well ID

Well ID Number: 7215436

Well Audit Number: Z163816

Well Tag Number: A142278

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

Well Location

Address of Well Location	ST. PATRICK CUMBERLAND ST. S
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: 445946.00 Northing: 5031157.00
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	SAND			0 m	.9 m
GREY	FILL	CLAY	STNS	.9 m	3.1 m
GREY	CLAY			3.1 m	7.32 m
GREY	TILL	GRVL	BLDR	7.32 m	8.24 m
GREY	LMSN			8.24 m	19.22 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	8.24 m	BENTONITE HOLEPLUG GROUT SEALED	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
15.88 cm	STEEL	0 m	8.54 m
12.7 cm	PLASTIC	5.49 m	19.22 m

Construction Record - Screen

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

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 4875

Results of Well Yield Testing

After test of well yield, water was	CLEAR
If pumping discontinued, give reason	
Pump intake set at	15.3 m
Pumping Rate	59 LPM
Duration of Pumping	24 h:0 m
Final water level	8.81 m
If flowing give rate	
Recommended pump depth	15.3 m
Recommended pump rate	
Well Production	
Disinfected?	Y

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL	6.12 m		
1	6.51 m	1	8.81 m
2	6.75 m	2	8.55 m
3	6.89 m	3	8.46 m
4	7.01 m	4	8.4 m
5	7.09 m	5	8.36 m
10	7.45 m	10	8.23 m
15	7.69 m	15	8.14 m
20	7.88 m	20	8.8 m
25	8.02 m	25	8.3 m
30	8.13 m	30	7.99 m
40	8.31 m	40	7.93 m
45		45	
50	8.44 m	50	7.87 m
60	8.53 m	60	7.85 m

Water Details

Water Found at Depth	Kind
9 m	

Hole Diameter

Depth From	Depth To	Diameter
0 m	8.24 m	22.86 cm
8.24 m	19.22 m	15.24 cm

Audit Number: Z163816

Date Well Completed: November 08, 2013

Date Well Record Received by MOE: January 27, 2014

Updated: March 12, 2015

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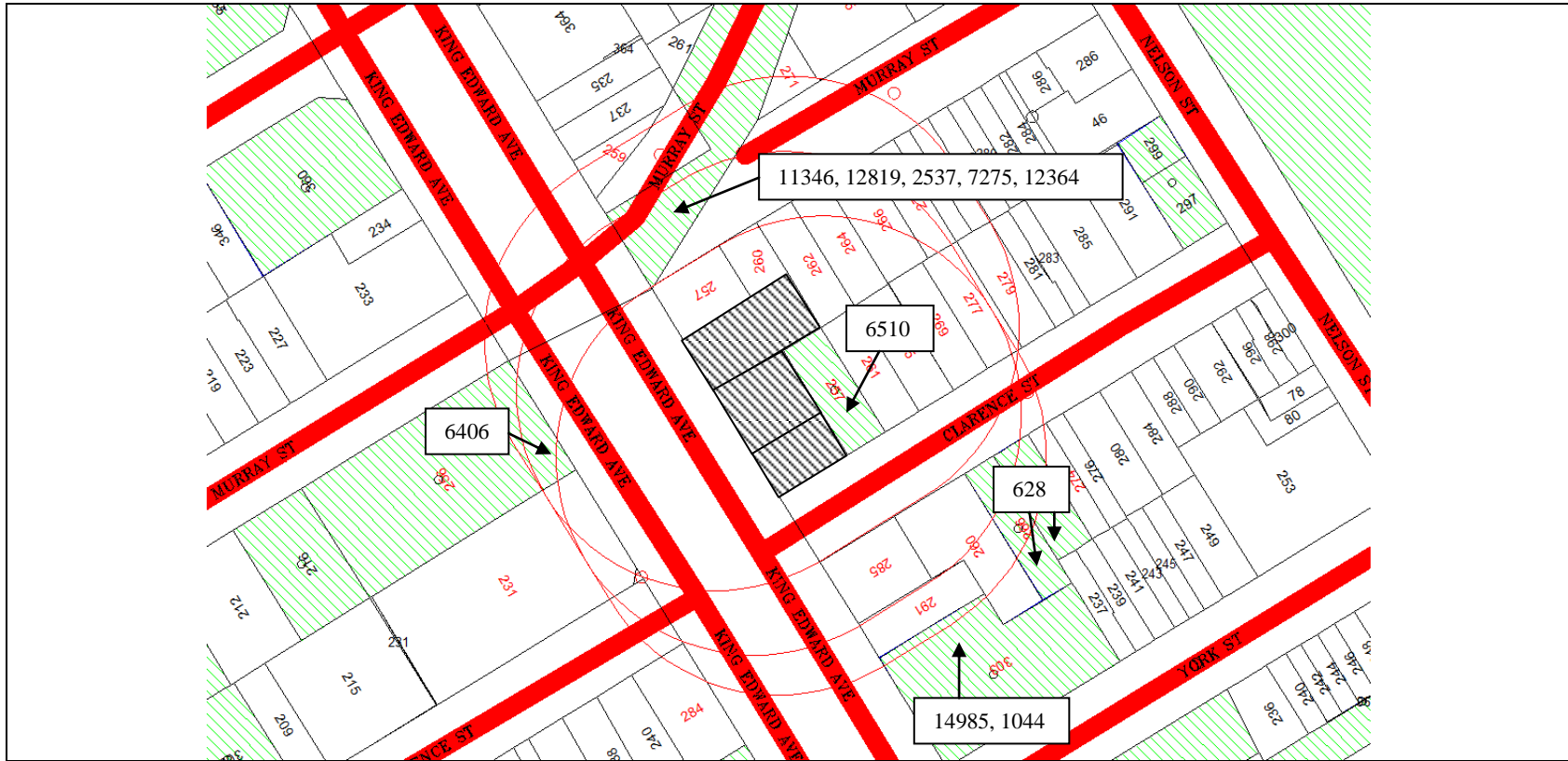
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Scale 1: n/a

261, 269, 277 and 279 King Edward Avenue and
 260 Murray Street
 Ottawa, ON
 File # C10-01-15-0197
 Ashley Faulkner



ID# = Activity Identification Number

 = Subject Site

Overview



File Number: C10-01-15-0197

August 26, 2015

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

Sent via email [AGraham@patersongroup.ca]

Dear Anna Graham

**Re: Information Request
261, 269, 277 and 279 King Edward Avenue and 260 Murray Street, Ottawa,
Ontario (“Subject Properties”)**

Internal Department Circulation

The Planning and Growth Management Department has the following information in response to your request for information regarding the Subject Properties:

- The Disposals and Environmental Remediation Unit notes that the subject properties are within 500m of former landfills Ur-34 – Bordeleau Park and Ur-37 – King Edward Street and York Street. A data gap analysis was carried out on Ur-34 to identify any potential human health risks associated with the site’s current land use, however none were identified. Ur-37 is under private ownership, therefore the City has no information regarding the current environmental conditions of the site.

Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

- There are no activities associated with the Subject Properties.

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City of Ottawa
Infrastructure Services and Community
Sustainability Department
Planning and Growth Management Branch

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Ottawa, ON K1P 1J1
Tel: (613) 580-2424 ext. 14743
Fax: (613) 560-6006
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Ottawa (Ontario) K1P 1J1
Tél.: (613) 580-2424 ext. 14743
Télééc: (613) 560-6006
www.ottawa.ca

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

- There are 10 activity associated with properties located within 50m of the Subject Properties: Activity Numbers 11346, 12819, 2537, 7275, 12364, 6406, 6510, 628, 14985, and 1044.

Please note that Activity Numbers 12364, 12819, 2537, 7275, 628, 1044, and 14985 have a PIN Certainty of "2". This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the Subject Properties. All database entries with a PIN Certainty of "2" require independent verification as to their precise location..

A site map has been included to show the location of the Subject Properties as well as the location of all the activities noted above, including the HLUI database's location of the Activity Numbers with a PIN Certainty of "2".

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of

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

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

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

If you have any further questions or comments, please contact Ashley Faulkner at 613-580-2424 ext. 24856 or HLUI@ottawa.ca

Sincerely,



Louise Sweet-Lindsay, MCIP, RPP
Acting Program Manager
Development Review (Suburban Services) - West
Planning and Growth Management Department

LSL/AF

Attach: 11

cc: File no. C10-01-15-0197



CITY OF OTTAWA
HLUI ID: __679GFB

Report: RPTC_OT_DEV0122
Run On: 26 Aug 2015 at: 15:33:19

AREA (Square Metres): 36526.349

Study Year
1998

PIN
042180153

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 11346 Multiple PINS: N
 PIN Certainty: 1 Previous Activity ID(s) : 3236
 Related PINS: 042130061
 Name: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA
 Address: ST. ANDREW STREET, OTTAWA
 Facility Type: Other Storage and Warehousing Industries
 Comments 1: SIR CHARLES TUPPER BUILDING
 Comments 2:
 Generator Number: ON0144720
 Storage Tanks:
 HL References 1: M.1960, M.1970, M.1980
 HL References 2:
 HL References 3: 2003 PID

NAICS	SIC
493130	479
493120	479
911910	815
493190	479

Company Name	Year of Operation
Public Works Department	c. 1960
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA	c. 2003



CITY OF OTTAWA

HLUI ID: __679GFB

AREA (Square Metres): 36526.349

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Study Year
1998

PIN
042180153

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 12364 Multiple PINS: Y
PIN Certainty: 2 Previous Activity ID(s) : 3235
Related PINS: 042130001

Name: SAMUEL LAMPERT AND CO. LIMITED
Address: ROSE STREET, OTTAWA
Facility Type: Machine Shop Industry
Comments 1: 30 to 50
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1960, M.1970, M.1980, M.1922, M.1948, M.1956; FIP1901-10-33,vol2; FIP1912-10-33,vol1; FIP1922-10-33,vol1; FIP1948-212-33; FIP1956-212-1-33

HL References 2:

HL References 3:

NAICS	SIC
333619	308
336310	308
332710	308
336350	308
238220	424

Company Name

Year of Operation

Samuel Lampert and Co. Ltd.

c. 1956-1970



CITY OF OTTAWA

HLUI ID: __679GFB

AREA (Square Metres): 36526.349

Report: RPTC_OT_DEV0122

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Study Year
1998

PIN
042180153

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 12819 Multiple PINS: Y
 PIN Certainty: 2 Previous Activity ID(s): 5631
 Related PINS: 042180010
 Name: ST. JACQUES FRERES ROOFING AND SHEET METAL
 Address: 23 MCGEE SIDE STREET, OTTAWA
 Facility Type: Exterior Close In Work
 Comments 1:
 Comments 2:
 Generator Number:
 Storage Tanks:
 HL References 1: M.1960, M.1970, M.1980
 HL References 2:
 HL References 3:

NAICS	SIC
238140	423
238160	423
238150	423
238310	423

Company Name	Year of Operation
St. Jacques Freres Roofing and Sheet Metal	c. 1960



CITY OF OTTAWA

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AREA (Square Metres): 36526.349

Report: RPTC_OT_DEV0122

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Study Year
1998

PIN
042180153

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 2537 Multiple PINS: N
PIN Certainty: 2 Previous Activity ID(s) : 3774, 4738
Related PINS: 042180010

Name: C. RACICOT
Address: 292 GUIGUES AVENUE, OTTAWA
Facility Type: Motor Vehicle Repair Shops
Comments 1: 1920 - just painter listed 1930 - also listed as residence
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1956; M.1960, M.1970, M.1980; FIP1901-10-25,vol2; FIP1912-10-25,vol1; FIP1922-10-25,vol1; FIP1948-212-25; FIP1956-212-25

HL References 2:

HL References 3:

NAICS	SIC
811119	635
811112	635
811121	635

Company Name	Year of Operation
Lavigne Brothers Ltd.	c. 1940-1956
Hector Ferland Garage	c. 1960-1970
Leduc Automatic Transmission	c. 1960
C. Racicot	c. 1930



CITY OF OTTAWA

HLUI ID: __679GFB

AREA (Square Metres): 36526.349

Report: RPTC_OT_DEV0122

Run On: 26 Aug 2015 at: 15:33:19

Study Year
1998

PIN
042180153

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 7275 Multiple PINS: Y
PIN Certainty: 2 Previous Activity ID(s) : 3333

Related PINS: 042180010

Name: IMPERIAL GARAGE
Address: ST. PATRICK STREET, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1: 1920 - lists King Edward Garage @ 367 1940 - service station - Parfield Oils Ltd. 1950 - under construction

Comments 2: 367 to 377

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950M.1922, M.1948, M.1956; FIP1901-10-33,vol2; FIP1912-10-33,vol1; FIP1922-10-33,vol1; FIP1948-212-33; FIP1956-212-1-33

HL References 2:

HL References 3:

NAICS	SIC
811121	635
811119	635
811112	635

Company Name	Year of Operation
King Edward Garage	c. 1920
Parfield Oils Ltd.	c. 1940
J. Berthiaume Garage	c. 1922
Imperial Garage	c. 1930



CITY OF OTTAWA
HLUI ID: __679DQU

Report: RPTC_OT_DEV0122
Run On: 26 Aug 2015 at: 15:33:31

AREA (Square Metres): 341.254

Study Year
1998

PIN
042130035

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 6510 Multiple PINS: N
 PIN Certainty: 1 Previous Activity ID(s) : 3745
 Related PINS: 042130035
 Name: JASON S. LAWLOR
 Address: 257 CLARENCE STREET, OTTAWA
 Facility Type: Laundries and Cleaners
 Comments 1:
 Comments 2:
 Generator Number:
 Storage Tanks:
 HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950
 HL References 2:
 HL References 3:

NAICS	SIC
812310	972
561740	972
812320	972
812330	972

Company Name	Year of Operation
Jason S. Lawlor	c. 1930



CITY OF OTTAWA
HLUI ID: __6799YW

Report: RPTC_OT_DEV0122
Run On: 26 Aug 2015 at: 15:33:44

AREA (Square Metres): 1982.444

Study Year
2005

PIN
042140053

Multi-NAIC
N

Multiple Activities
N

Activity ID: 6406 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 042140053

Name: HARM REDUCTION

Address: 256 KING EDWARD AVENUE,

Facility Type: Medical and Other Health Laboratories

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS SIC
621510 0

Company Name

HARM REDUCTION

Year of Operation

c. 2005



CITY OF OTTAWA

HLUI ID: __679DH0

AREA (Square Metres): 315.731

Report: RPTC_OT_DEV0122

Run On: 26 Aug 2015 at: 15:34:02

Study Year
1998

PIN
042130116

Multi-NAIC
N

Multiple Activities
N

Activity ID: 628 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 2288

Related PINS: 042130115

Name: ADOLPH MATHIEU
Address: 270 CLARENCE STREET, OTTAWA
Facility Type: Other Transportation Equipment Industries
Comments 1: Residence @ 172 Clarence
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
336990	329

Company Name

Adolph Mathieu

Year of Operation

c. 1900



CITY OF OTTAWA

HLUI ID: __679DJY

AREA (Square Metres): 320.700

Report: RPTC_OT_DEV0122

Run On: 26 Aug 2015 at: 15:34:14

Study Year
1998

PIN
042130115

Multi-NAIC
N

Multiple Activities
N

Activity ID: 628 Multiple PINS: Y
PIN Certainty: 2 Previous Activity ID(s): 2288

Related PINS: 042130115

Name: ADOLPH MATHIEU
Address: 270 CLARENCE STREET, OTTAWA
Facility Type: Other Transportation Equipment Industries
Comments 1: Residence @ 172 Clarence
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS SIC
336990 329

Company Name

Adolph Mathieu

Year of Operation

c. 1900



CITY OF OTTAWA
HLUI ID: __679FQH

Report: RPTC_OT_DEV0122
Run On: 26 Aug 2015 at: 15:34:39

AREA (Square Metres): 1473.705

Study Year
1998

PIN
042130137

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 1044 Multiple PINS: Y
PIN Certainty: 2 Previous Activity ID(s) : 3199
Related PINS: 042130137

Name: ALEX DACKERS
Address: 311 KING STREET, OTTAWA
Facility Type: Waste Materials, Wholesale
Comments 1: - changed to King Edward by 1910 - no # in 1920
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
418110	591
418190	591
415310	591

Company Name

Alex Dackers

Year of Operation

c. 1900



CITY OF OTTAWA
HLUI ID: __679FQH

Report: RPTC_OT_DEV0122
Run On: 26 Aug 2015 at: 15:34:39

AREA (Square Metres): 1473.705

Study Year
1998

PIN
042130137

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 14985 Multiple PINS: N
PIN Certainty: 2 Previous Activity ID(s) : 1505
Related PINS: 042130137

Name: YORK ST. MACHINE SHOP
Address: 219 YORK STREET, OTTAWA
Facility Type: Machine Shop Industry
Comments 1: 1940, 1950 - residence
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
336310	308
336350	308
332710	308
333619	308

Company Name

Year of Operation

York St. Machine Shop

c. 1930

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

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

**Environmental
Engineering**

**Geotechnical
Engineering**

**Materials Testing
Quality Control**

Building Science

Hydrogeology

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

**Anna Graham,
M.E.S.**

patersongroup

POSITION

Environmental Assessor

EDUCATION

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

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

EXPERIENCE

2014 to Present
Paterson Group Inc.
Consulting Engineers
Environmental Assessor

2013 to 2014
Civica Infrastructure Inc.
Municipal Water Resources Engineering - Vaughan
Project Support Coordinator, Project Proposal Writer

**Environmental
Engineering**

**Geotechnical
Engineering**

**Materials Testing
Quality Control**

Building Sciences

Hydrogeology

SELECT LIST OF PROJECTS

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