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Geotechnical Engineering
Environmental Engineering
Hydrogeology
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Building Science
Archaeological Studies

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March 18, 2019
File: PE4577-LET.01

Huntington Property Group
200-1306 Wellington Street West
Ottawa, ON
K1Y 3B2

Attention: **Ms. Lisa Westphal**

Subject: **Phase I - Environmental Site Assessment Update**
1068-1090 Cummings Avenue
Ottawa, Ontario

Dear Madam,

Further to your request, Paterson Group (Paterson) conducted a Phase I - Environmental Site Assessment (ESA) Update for 1068-1090 Cummings Avenue, Ottawa, Ontario. This report is an update of a previous environmental report prepared for the subject property as detailed below and is intended to meet the requirements for a Phase I ESA as per the MECP standard O.Reg. 153/04 as amended. This report is to be read in conjunction with the previous report.

Site Information

The subject site is situated on the west side of Cummings Avenue, between Caron Street and Donald Street, in the City of Ottawa. An automotive body shop, steel storage and sales office, and landscaping business occupy the property. The subject site is situated in a generally residential zone and municipally serviced area. Surrounding land use is residential and commercial.

The subject site is at grade with Cummings Avenue to the east and surrounding properties to the south and north. The regional topography slopes downwards to the west in the direction of the Rideau River. Water drainage on the subject site occurs primarily by sheet flow onto Cummings Avenue. The configuration of the subject site is shown on Drawing PE4577-1 - Site Plan, which is appended to this report.

Records Review

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 review of the aerial photographs, interviews, and the chain of title, the subject site was occupied by a residential dwelling at the northeast corner in the early 1900s and was developed with the existing industrial building in 1959.

Previous Environmental Reports

- "Phase I - Environmental Site Assessment, 1090 Cummings Avenue, Ottawa, Ontario," prepared by Paterson, dated August 31, 2016.

  The Phase I ESA report indicated that the site was occupied by a steel fabrication business and an automotive body shop, and that the building was constructed in 1959. Multiple Potentially Contaminating Activities were identified, including the body shop, multiple aboveground storage tanks, and a salt storage bay and brine silos. The auto body shop, steel fabrication shop, fuel storage tanks, and salt and brine storage areas were identified as Areas of Potential Environmental Concern (APECs). A Phase II Environmental Site Assessment was recommended for the site and subsequently completed.

- "Phase II - Environmental Site Assessment, 1090 Cummings Avenue, Ottawa, Ontario," prepared by Paterson, dated November 17, 2016.

  The Phase II ESA report describes the placement of seven (7) boreholes on the property, three (3) of which were instrumented with groundwater monitoring wells, to assess the APECs identified in the Phase I ESA report.

  Seven (7) soil samples were submitted to a laboratory for analysis of metals, volatile organic compounds (VOCs), petroleum hydrocarbons (PHCs), sodium, and conductivity. Elevated levels of sodium, PHCs and conductivity were identified.

  Three (3) groundwater samples were submitted for analysis of sodium, VOCs and PHCs. Benzene, chloroform, and hexane were identified in excess of the MECP selected standards.

Further subsurface investigations were recommended in order to delineate the horizontal and vertical extents of the contamination in the soil and groundwater.

- ❑ "Phase II - Environmental Site Assessment, 1068 and 1090 Cummings Avenue, Ottawa, Ontario," prepared by Pinchin Environmental, dated August 14, 2018.

  The Phase II ESA report describes the placement of three additional boreholes with monitoring wells: two in the interior near the painting booths, and one on the exterior in the southwest corner near an area of surficial staining identified by Paterson. Benzene and PHC F_1 exceedances were identified in one of the soil samples from the borehole near the paint booths, and TCE and benzene exceedances were identified in the groundwater from the same location. Pinchin also re-sampled the well placed by Paterson near the steel fabrication shop ASTs and identified a benzene exceedance. Groundwater flow direction was determined to be to the west, towards the Rideau River. Based on the results of the Phase II ESA, Pinchin recommended that a Remedial Action Plan be prepared for the subject property.

EcoLog ERIS Report

A report generated by ERIS for the original Phase I ESA identified two (2) records of site condition (RSCs) within the study area. Both records pertained to one RSC filed for the property located at 959 Cummings Avenue, approximately 240 m north-northwest from the subject site. According to the city directories, this property was formerly an automotive service garage. This PCA is not considered to pose an environmental concern to the subject site based on the separation distance between the two properties. The ERIS report also identified a former construction yard at 1003-1027 Cummings Avenue, to the east of the Phase I Property, across Cummings Avenue. It was listed as a waste generator in 2002, 2003, and 2004, and was also identified in the 1968 to 1997 aerial photos. Based on its proximity to the subject property and its upgradient location, this PCA is considered to represent an APEC on the subject site.

Ministry of the Environment, Conservation and Parks (MECP) Instruments

A request was submitted to the MECP Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the site. At the time of issuance of this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.

Environment and Climate Change Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on March 7, 2019. The subject site was not listed in the NPRI database nor were any neighbouring properties.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP. At the time of issuance of this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.

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 and Forestry (MNRF) on March 7, 2019. The search did not reveal any natural features or areas of natural significance within the Phase I study area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto, was contacted electronically on March 7, 2019. The response from the TSSA indicated that there are no records for the subject property or neighbouring properties. A copy of the TSSA correspondence is appended to this report.

City of Ottawa Historical Land Use Inventory (HLUI)

A requisition form was sent to the City of Ottawa to request information from the City's Historical Land Use Inventory (HLUI 2005) database for the subject property. At the time of issuing this report, a response from the City had not been received.

Aerial Photographs

The most recent aerial photograph reviewed in the previous report was taken in 2011. Aerial photographs from 2017 were reviewed as part of the current Phase I ESA Update. The property appeared unchanged. No new potential environmental concerns were identified during the review of the recent aerial photographs.

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic map depicts the subject site in a commercial area, with an approximate elevation of 72 m above sea level (asl). Regionally, the topographic maps indicate a slope down towards the west, towards the Rideau River. According to the map, the nearest water body is the Rideau River, located approximately 2.7 km to the west of the subject site. A small tributary of Greens Creek is also located approximately 825 m to the southeast. An illustration of the referenced topographic map is presented on Figure 2-Topographic Map, appended to this report.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” Mapping shows the subject site as situated in an area of limestone plains.

Water Well Records

A search of the MECP’s web site for all drilled well records within 250 m of the subject site was conducted on March 7, 2019. The search did not return any records for wells for the Phase I Property. Records for eight water supply wells, three monitoring wells, and three abandonments were identified within the 250 m study area.

Property Owner Representative Interview

Ms. Lisa Westphal of Huntington Properties was contacted via email as part of this assessment. Ms. Westphal was aware of environmental concerns with respect to the subject site. Mr. Nick Thuswaldner, the current property site manager, was interviewed in person during the Phase I site visit. Mr. Thuswaldner indicated that the property was purchased by Huntington within the last year, and that no investigations have been completed on the property since their acquisition.

Site Reconnaissance

Our site reconnaissance visit was conducted on March 12, 2019. Weather conditions were overcast, with a temperature of approximately -5° C. Ms. Anna Graham from the Environmental Department of Paterson Group conducted the site inspection. 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.

Site drainage consists primarily of infiltration and some runoff to the adjacent roadway. No vegetation was observed on the property. No private sewage systems or wells were observed on the subject property.

No evidence of current or former railway or spur lines on the subject property was observed at the time of the site inspection. There were no unidentified substances observed on the subject site at the time of the assessment. The above-noted site features are shown on Drawing PE4577-1 – Site Plan.

Exterior Assessment

The site is occupied by an industrial and office building finished in brick and metal siding with a flat roof, and a separate half dome structure (reportedly used by the garage for sand blasting). An HVAC unit is located on the roof to provide heat and air conditioning to the office spaces. The ground surface surrounding the building consists of asphalt or gravel. The site was snow covered at the time of the site visit, and much of the exterior ground surface is used for vehicle parking and parts storage.

The site topography is relatively flat. Site drainage is primarily sheet flow onto Cummings Avenue. Regional topography slopes downwards in a westerly direction towards the Rideau River.

Two (2) aboveground fuel storage tanks and an enclosure containing acetylene tanks were observed on the exterior of the subject property, outside the Belko garage unit.

Interior Assessment

The floors throughout the building consisted of carpet, laminate, ceramic tiles, composite paneling and concrete. The walls throughout the building consisted of drywall and concrete blocks. The ceilings throughout the building consisted of drywall, concrete, and exposed steel decking. The majority of the lighting was provided by fluorescent fixtures.

One diesel AST was observed on the interior of the building, on the northern end, alongside multiple brine storage silos. No sump pit was noted; however, multiple floor drains were identified in the Belko garage unit. No water or odour was noted at the time of the site visit. Environmental concerns were identified in the interior of the subject building at the time of the assessment, including the brine storage, diesel AST, waste oil storage containers, and ongoing automotive repairs in the garage unit.

Review and Evaluation of Information

Land Use History

The subject land was initially developed with a residential dwelling but has been used for commercial/industrial purposes since 1959, when the existing building was constructed.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

Multiple potentially contaminating activities identified on the Phase I Property include brine storage silos/salt storage area, a diesel fuel storage tank, two additional aboveground fuel storage tanks, a steel fabrication shop, and an automotive body shop including painting booths. The Ambico windows and doors fabrication operation to the south was identified as a PCA in the Phase I study area.

The on-site PCAs are considered to represent Areas of Potential Environmental Concern (APECs) for the Phase I Property. The steel shop to the south is not considered to represent an APEC, based on its cross-gradient location.

Contaminants of Potential Concern (CPC)

Contaminants of Potential Concern (CPCs) on the Phase I Property include the following:

- Volatile Organic Compounds (VOCs)

  Volatile organic compounds (which include benzene, toluene, ethylbenzene and xylenes) were selected as contaminants of potential concern based on the use of fuel tanks and various chemicals in the auto body trade. These chemicals may include solvents, cleaners, reducers, activators used in auto body work.

- Petroleum Hydrocarbons (PHCs)

  PHCs were selected as contaminants of potential concern based on the presence of gasoline and diesel stored in aboveground storage tanks on the subject property, and due to the repair of vehicles in the auto body shop.

- Metals

  Metals were selected as contaminants of potential concern based on the presence of a steel manufacturer on the subject property since construction of the building.

- Sodium, Electrical Conductivity, Chloride, Sodium Absorption Ratio

  These were selected as contaminants of potential concern based on the presence of a salt storage area and three silos containing a brine solution.

Conceptual Site Model

Geological and Hydrogeological Setting

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 shale of the Billings Formation. The site is located in an area of alluvial sediment overburden, with some till in the southeast corner, with a drift thickness of 2 to 3 m.

The regional topography slopes downwards to the west. Based on previous groundwater monitoring results, the groundwater flow direction is considered to be in a westerly direction.

Existing Buildings and Structures

The subject site is occupied by a single building containing an automotive body shop, a steel fabrication shop, and several offices. A dome enclosure is also present on the northern end of the site, which was vacant at the time of the site visit.

Drinking Water Wells

No drinking water wells were identified on the Phase I Property, however, multiple drinking water well records were identified in the Phase I study area. Since the wells were drilled in the 1950s and 1960s, and the Phase I study area has been municipally serviced with drinking water infrastructure, these wells are not considered to be in current use.

Areas of Natural Significance

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

Neighbouring Land Use

Neighbouring land use in the Phase I study area comprised of roadways, residential dwellings, an Ambico Steel windows and doors production business to the south, and a park to the north. Land use is shown on Drawing PE4577-2 - Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concerns

The steel fabrication shop, automotive body shop, aboveground storage tanks, and salt and brine storage on the Phase I Property are considered to be PCAs. Off-site, the Ambico steel business to the south, the former construction yard to the east, and an RSC

property to the north are also PCAs. The on-site PCAs, and the former off-site construction yard are considered to be Areas of Potential Environmental Concern.

Contaminants of Potential Concern

VOCs, PHCs, metals, sodium, chlorine, electrical conductivity, and sodium absorption ratio were identified as contaminants/parameters of concern on the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are potentially contaminating activities (PCAs) which have the potential to have impacted the Phase I property, resulting in APECs.

The presence of PCAs/APECs was confirmed by a variety of independent sources. As such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

Conclusions

As a result of the historical research and follow-up site visit undertaken as part of this assessment in order to meet the requirements of O.Reg. 153/04 as amended, it is our opinion that a Phase II ESA and Remedial Action Plan are required for the subject site.

Statement of Limitations

This Phase I - Environmental Site Assessment Update report has been prepared in general accordance with O.Reg. 153/04, as amended. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA Update are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment.

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

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

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

Paterson Group Inc.

Anna Graham, M.E.S.

Mark S. D'Arcy, P.Eng.

Attachments:

- ❑ Figure 1 - Key Plan
- ❑ Figure 2 - Topographic Map
- ❑ Drawing PE4577-1 - Site Plan
- ❑ Drawing PE4577-2 - Surrounding Land Use Plan
- ❑ TSSA Correspondence
- ❑ MECP FOI Request
- ❑ HLUI Request
- ❑ MECP Well Records

Report Distribution:

- ❑ Huntington Property Group
- ❑ Paterson Group

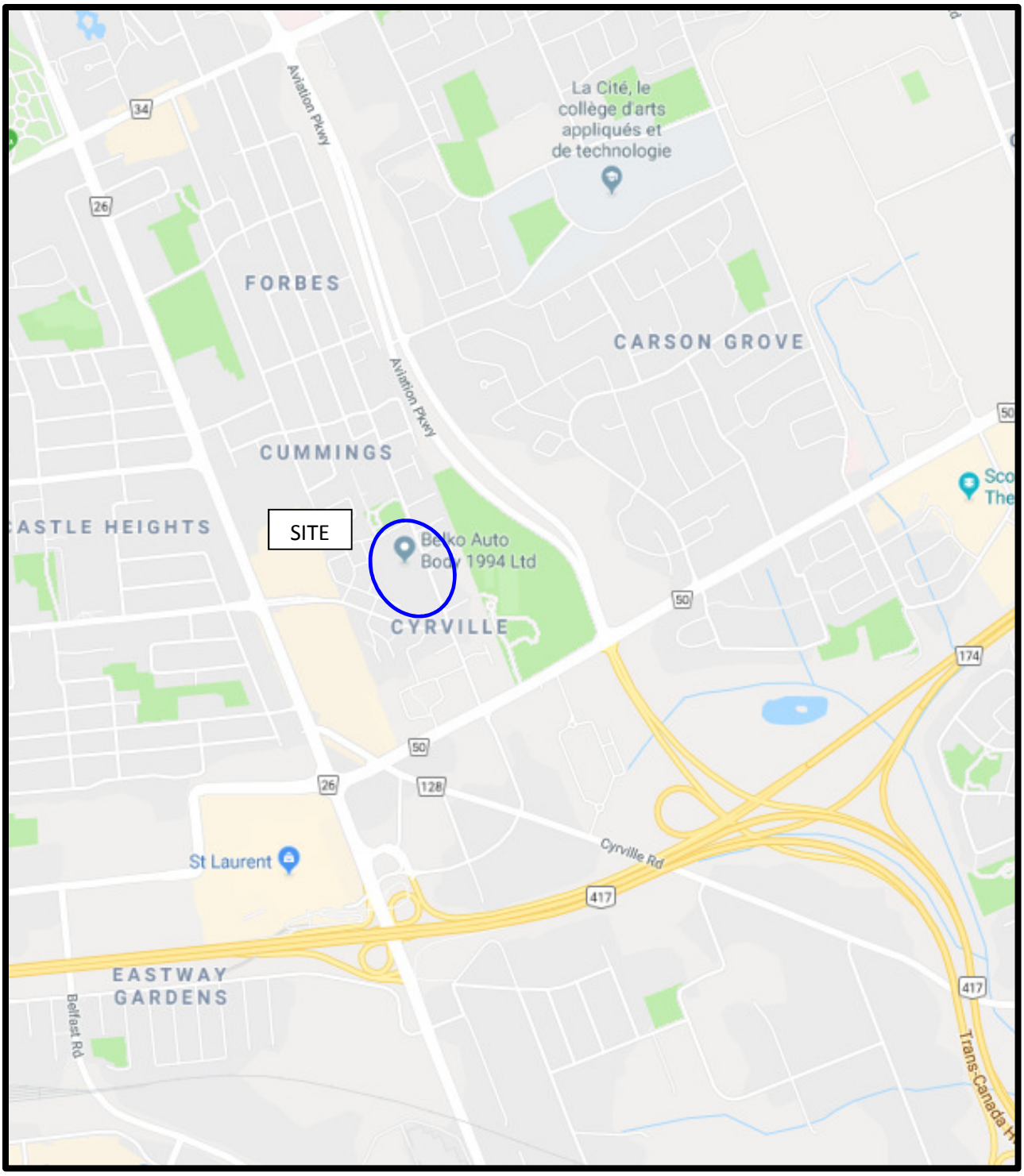

FIGURE 1

KEY PLAN

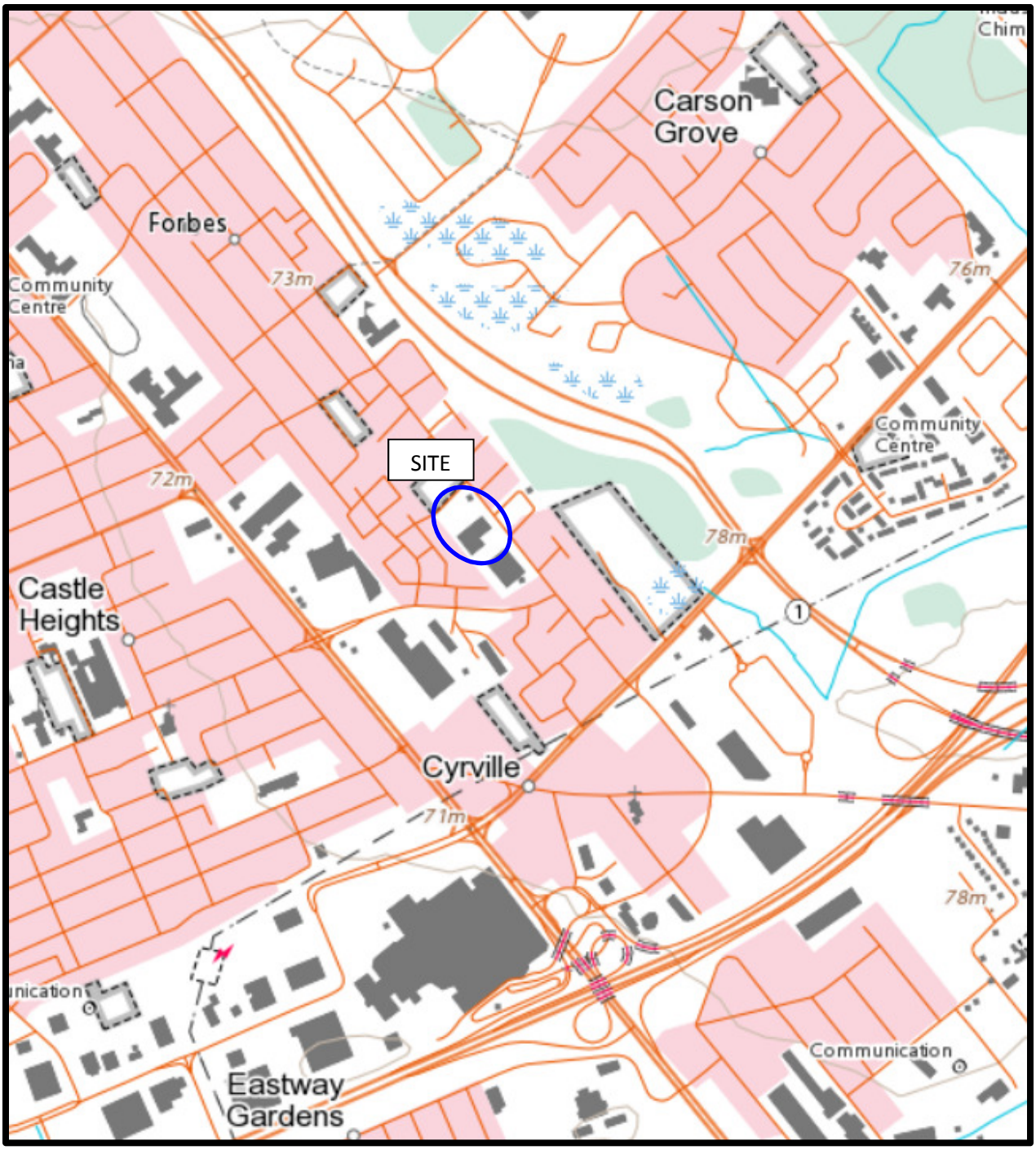

FIGURE 2

TOPOGRAPHIC MAP

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL

TBM - FH

CUMMINGS AVENUE

#1060 CUMMINGS AVENUE
CUMMINGS PARK

LEGEND:

- BOREHOLE LOCATION
- BOREHOLE WITH MONITORING WELL LOCATION
- BOREHOLE WITH MONITORING WELL BY OTHERS (2018)
- 97.70 GROUND SURFACE ELEVATION. (m)
- (95.64) GROUNDWATER SURFACE ELEVATION (m)

TBM - TOP SPINDLE OF FIRE HYDRANT. AN ARBITRARY ELEVATION OF 100.00m WAS ASSIGNED TO THE TBM.

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

1. COMMERCIAL AUTOBODY SHOP
2. METAL FABRICATION SHOP
3. FUEL ASTs
4. ABOVEGROUND COLOURED DIESEL STORAGE TANK
5. BULK SALT AND BRINE STORAGE
6. FORMER CONSTRUCTION YARD TO THE EAST

CARON STREET

GRAVEL
BH 7
99.20
FORMER DWELLING
CARS FOR REPAIR
VACANT DOME
STORAGE
GRAVEL
BH 6
98.86
GRAVEL
3 LARGE BRINE STORAGE SILOS
BH 1
98.62
(95.18)
COLOURED DIESEL AST
SALT STORAGE BAY
GRAVEL
GRAVEL
NATURAL GAS CONNECITONS
VACANT
AST (x2)
STEEL STORAGE
BH 3
98.41
(96.11)
ENCORE STEEL
ASPHALT
VACANT
WASTE DUMPSTER
BH 5
98.09
CARS FOR REPAIR
MW-2
OFFICE
TRUCKS FOR REPAIR
VACANT
BELKO GARAGE
BH 2
98.47
(95.64)
MW-3
PAINT BOOTH
BH 4
97.70
PREVIOUS REPORT NOTED STAINING IN AREA
MW-1
AUTO PARTS
WASTE DUMPSTER
RECYCLE CANNISTER
1
2
3
4
5
6

#1120 CUMMINGS AVENUE
AMBICO - INDUSTRIAL

RESIDENTIAL

patersongroup
consulting engineers

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

NO.	REVISIONS	DATE	INITIAL
0			

HUNTINGTON PROPERTY GROUP

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
1090 CUMMINGS AVENUE

OTTAWA, ONTARIO

Title:

SITE PLAN

Scale:	1:750
Drawn by:	AG
Checked by:	MD
Approved by:	MSD
Date:	03/2019
Report No.:	PE4577-LET.01
Dwg. No.:	PE4577-1
Revision No.:	0

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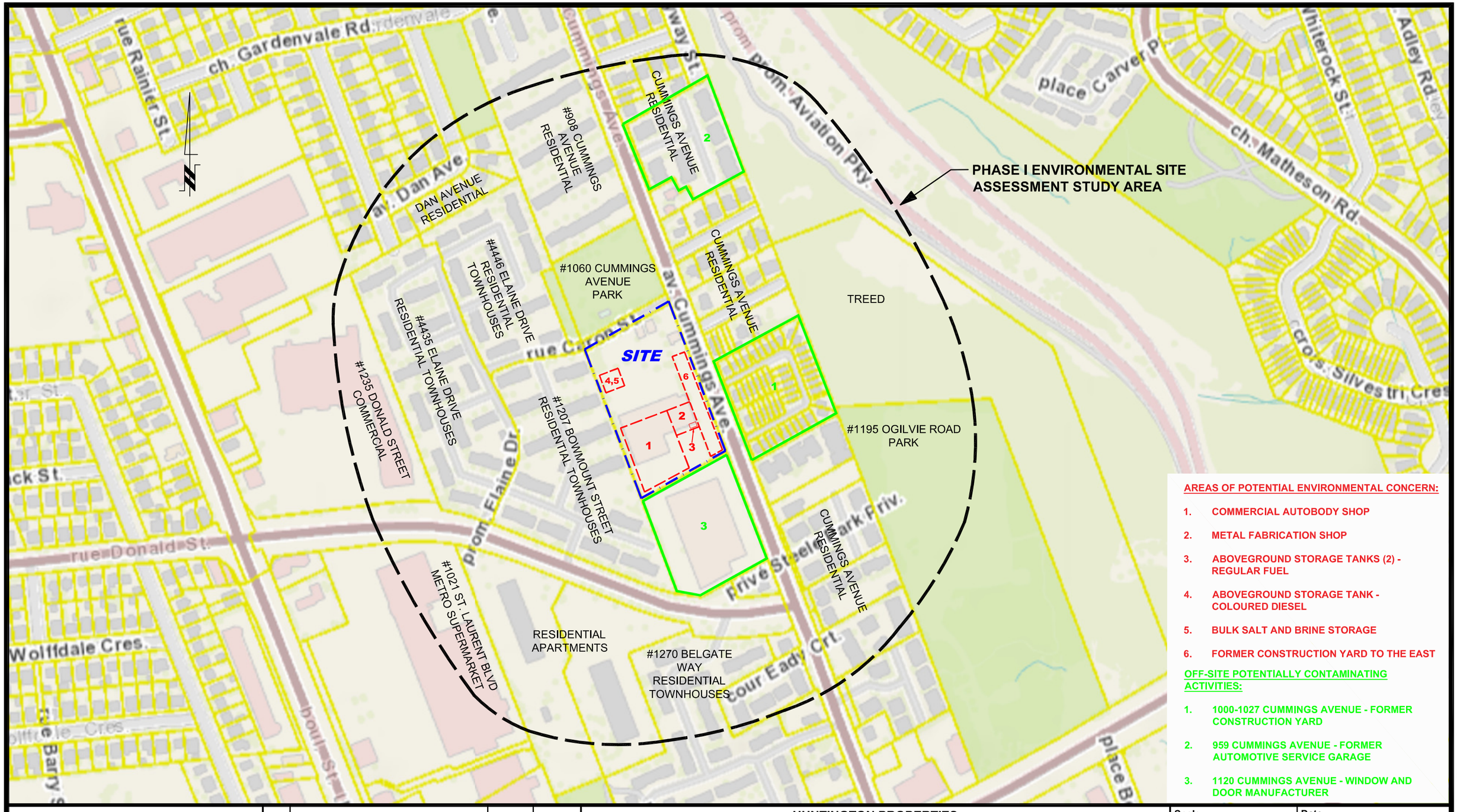

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

1. COMMERCIAL AUTOBODY SHOP
2. METAL FABRICATION SHOP
3. ABOVEGROUND STORAGE TANKS (2) - REGULAR FUEL
4. ABOVEGROUND STORAGE TANK - COLOURED DIESEL
5. BULK SALT AND BRINE STORAGE
6. FORMER CONSTRUCTION YARD TO THE EAST

OFF-SITE POTENTIALLY CONTAMINATING ACTIVITIES:

1. 1000-1027 CUMMINGS AVENUE - FORMER CONSTRUCTION YARD
2. 959 CUMMINGS AVENUE - FORMER AUTOMOTIVE SERVICE GARAGE
3. 1120 CUMMINGS AVENUE - WINDOW AND DOOR MANUFACTURER

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NO.	REVISIONS	DATE	INITIAL
0			

HUNTINGTON PROPERTIES

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
1090 CUMMINGS AVENUE

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:3500	Date: 03/2019
Drawn by: AG	Report No.: PE4577-LET.01
Checked by: MD	Dwg. No.: PE4577-2
Approved by: MSD	Revision No.: 0

p:\autocad drawings\environmental\pe45xx\pe4577-2 surrounding land use ag.dwg

Anna Graham

From: Public Information Services <publicinformationservices@tssa.org>
Sent: March-07-19 6:32 PM
To: Anna Graham
Subject: RE: Records search request for 1090 Cummings Avenue, Ottawa

Hello Anna,

Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@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.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Yalini

Yalini Kanagendran | Public Information Agent
Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3449 | Fax: +1-416-231-6183 | E-Mail: publicinformationservices@tssa.org
www.tssa.org

From: Anna Graham <AGraham@Patersongroup.ca>
Sent: March 7, 2019 12:04 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Records search request for 1090 Cummings Avenue, Ottawa

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:

1043 Cummings Avenue
1060 Cummings Avenue
1068 Cummings Avenue
1080 Cummings Avenue
1090 Cummings Avenue
1120 Cummings Avenue

1124 Cummings Avenue
1207 Bowmount Street
1244 Donald Street

Thank you,

Anna Graham, B.Sc., M.E.S.
patersongroup
consulting engineers
154 Colonnade Road South
Ottawa - Ontario - K2E 7J5
Tel: (613) 226-7381 ext. 228
Fax: (613) 226-6344

Ontario Ministry of Environment and Energy

Freedom of Information Request

This form is for requesting documents which are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on completion and use of this form. Our fax no. is (416) 314-4285.

Requester Data			For Ministry Use Only	
Name, Company Name, Mailing Address and Email Address of Requester Anna Graham Paterson Group Inc. 154 Colonnade Road Ottawa, ON K2E 7J5 **Email address:** agraham@patersongroup.ca			FOI Request No.	Date Request Received
			Fee Paid ☐ ACCT ☐ CHQ ☐ VISA/MC ☐ CASH	
Telephone/Fax Nos. Tel. 613-226-7381 Fax 613-226-6344	Your Project/Reference No. PE4577	Signature/Print /Name of Requester Anna Graham	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ SAC ☐ IEB ☐ EAA ☐ EMR ☐ SWA	

Request Parameters

Municipal Address / Lot, Concession, Geographic Township **(Municipal address essential for cities, towns or regions)**

1068 and 1090 Cummings Avenue, Ottawa, Ontario (one site, one owner)

Present Property Owner(s) and Date(s) of Ownership

Cummings Caron Property Limited (Huntington Properties)

Previous Property Owner(s) and Date(s) of Ownership

owner of less than 1 year

Present/Previous Tenant(s),(if applicable)

Present tenants: Encore Steel, Belko Body Shop

Search Parameters *Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.*	**Specify Year(s) Requested**
Environmental concerns (General correspondence, occurrence reports, abatement)	all
Orders	all
Spills	all
Investigations/prosecutions ➤ Owner **AND** tenant information must be provided	all
Waste Generator number/classes	all

Certificates of Approval ➤ Proponent information must be provided

1985 and prior records are searched manually. **Search fees in excess of $300.00** could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number(s) (if known). **If supporting documents are also required, mark SD box** and specify type e.g. maps, plans, reports, etc.

	SD	**Specify Year(s) Requested**
air - *emissions*		1986-present
water - *mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)*		1986-present
sewage - *sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations*		1986-present
waste water - *industrial discharges*		1986-present
waste sites - *disposal, landfill sites, transfer stations, processing sites, incinerator* sites		1986-present
waste systems - *PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste*		1986-present
pesticides - *licenses*		1986-present

A $5.00 non-refundable application fee, payable to the Minister of Finance, is mandatory. The cost of locating on-site and/or preparing any record is $30.00/hour and 20 cents/page for photocopying and you will be contacted for approval for fees in excess of $30.00.

Office Use Only			
Application Number:	Ward Number:	Application Received: (dd/mm/yyyy):	
Client Service Centre Staff:		Fee Received:	$

Historic Land Use Inventory

Application Form

Notice of Public Record

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning Infrastructure and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

Background Information

***Site Address or Location:**

** Mandatory Field*

Applicant/Agent Information:

Name:

Mailing Address:

Telephone: Email Address:

Registered Property Owner Information: ☐ Same as above

Name:

Mailing Address:

Telephone: Email Address:

Site Details

Legal Description and PIN:

What is the land currently used for?

Lot frontage: m Lot depth: m Lot area: m²

OR Lot area: (irregular lot) m²

Does the site have Full Municipal Services: ◯ Yes ◯ No

Required Fees

Please don't hesitate to visit the Historic Land Use Inventory website more information. Fees must be paid in full at the time of application submission.

Planning Fee

Submittal Requirements

The following are required to be submitted with this application:

1. **Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.

2. **Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Infrastructure and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.

3. A site plan or key plan of the property, its location and particular features.

4. Any significant dates or time frames that you would like researched.

Disclaimer
For use with HLUI Database

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to _____ ("the Requester") does so only under the following conditions and understanding:

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI 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.

2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.

3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.

4. Copyright is reserved to the City.

5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.

6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.

7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: _____

Dated (dd/mm/yyyy): _____

Per: _____

(Please print name)

Title: _____

Company: _____

UTM 18 Z 450460 E
9 R 5030640 N
Elev. 9 R 0235
Cond (25) - O.F.
Basin
Lot - 25

3165g

ONTARIO

RECEIVED
15 No.
JAN 23 1952
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

11X7

The Well Drillers Act
Department of Mines, Province of Ontario

PLAN 323

Water Well Record

[redacted] Gloucester
Village, Town or City. ~~CYRVILLE, Ont~~
wn or City) RED PATH ST.
CYRVILLE ONT.
Date Completed 1 (day) 2 (month) 51 (year) Cost of Well (excluding pump) $155.00

Pipe and Casing Record

Casing diameter(s) 5"
Length(s) of casing(s) 25'
Type of screen
Length of screen
Distance from top of screen to ground level
Is well a gravel-wall type? NO

Pumping Test

Date FEBRUARY 1 1951
Static level 11'
Pumping level 12'
Pumping rate 8 GAL PER HOUR
Duration of test 1 HOUR
Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) MINERAL
Quality (hard, soft, contains iron, sulphur, etc.) Sulphur
Appearance (clear, cloudy, coloured) CLEAR
For what purpose(s) is the water to be used? DOMESTIC
How far is well from possible source of contamination? 49'
What is the source of contamination? SEPTIC TANK
Enclose a copy of any mineral analysis that has been made of water

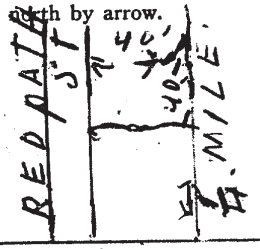
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
62	SULPHER	51'

Well Log

Overburden and Bedrock Record	From	To
BLACK LOAM	0 ft.	5 ft.
BLUE CLAY	5	20
FINE BLACK SAND	20	25
BLACK SHALE	25	62

Location of Well NORTH

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



CON 1
CYRVILLE

Situation: Is well on upland, in valley, or on hillside? VALEY
Drilling Firm THOS H ADAMS
Address HURDMANS BRIDGE
Name of Driller Thos H Adams Address Same
Date DEC 18 1951 Licence Number 42
Thos H Adams
Signature of Licensee

FORM 5

31659

UTM 18 Z 4 5 0 7 0 8 0 E
9 R 5 0 1 3 0 9 3 5 N
Elev. 9 R 0 2 3 5
Basin 25

ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario

15 No. 1118

RECEIVED
JAN 21 1952
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

County or District ... Carleton ... Township, ~~Village, Town or City~~ ... Gloucester ...
[redacted] ...wn or City) ... Redpath St. [illegible] ...
... Redpath St. [illegible] ...
Date Completed ... 25 Aug. 51 ... Cost of Well (excluding pump) ... $200.00
(day) (month) (year)

Pipe and Casing Record	Pumping Test
Casing diameter(s) ... 4 inch	Date ... Aug. 25/51
Length(s) of casing(s) ... 8½ ft.	Static level ... 81 ft. 7'
Type of screen ... —	Pumping level ... 7 ft.
Length of screen ...	Pumping rate ... 100 gals. per hr.
Distance from top of screen to ground level ...	Duration of test ... 1 hr.
Is well a gravel-wall type? ...	Distance from cylinder or bowls to ground level ...

Water Record

Kind (fresh or mineral) ... Mineral
Quality (hard, soft, contains iron, sulphur, etc.) ... Sulphur
Appearance (clear, cloudy, coloured) ... [illegible]
For what purpose(s) is the water to be used? ... household
...
How far is well from possible source of contamination? ... none
What is the source of contamination? ... —
Enclose a copy of any mineral analysis that has been made of water ...

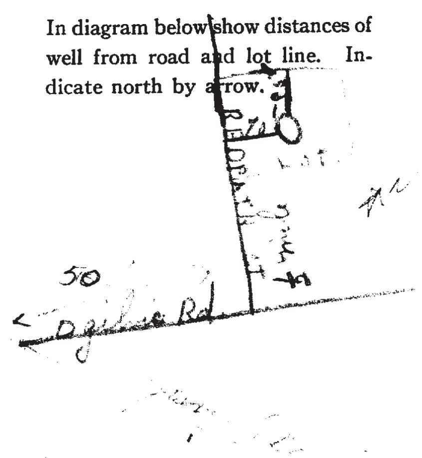
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
7'	Mineral	74'

Well Log

Overburden and Bedrock Record	From	To
clay and gravel	0 ft.	8½ ft.
Limestone Rock	8½'	81'

Location of Well

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



Situation: Is well on upland, in valley, or on hillside? ... upland
Drilling Firm ... Tom Adams
Address ... Hurdmans Bridge
Name of Driller ... J. W. Adams ... Address ... Ramsayville
Date ... Aug. 25/51 ... Licence Number ... 41
... J. W. Adams ...
Signature of Licensee

Form 5

UTM 18 Z 4 5 0 3 4 0 E
19 R 5 0 3 0 9 2 0 N
Elev. 19 R 0 2 4 0
Basin 2 5

Ottawa Front
Con I
Lot 25

31G5g

15 No. ~~1119~~

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

Carleton

Township, ~~Village, Town or City~~ ~~Cumberland~~ Gloucester

[redacted] (Town or City) Dubeau Rd Cyrville

[redacted] Hudmans Bridge

Date Completed 12 (day) Dec. NOV. (month) 1952 (year) Cost of Well (excluding pump) no charge

Pipe and Casing Record

Casing diameter(s) 5"
Length(s) of casing(s) 17'
Type of screen
Length of screen —
Distance from top of screen to ground level —
Is well a gravel-wall type? —

Pumping Test

Date
Static level 17'
Pumping level 50' deep well pump
Pumping rate 90 gal per hr
Duration of test
Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) fresh
Quality (hard, soft, contains iron, sulphur, etc.) soft
Appearance (clear, cloudy, coloured) clear
For what purpose(s) is the water to be used? home use
How far is well from possible source of contamination? 80'
What is the source of contamination? septic tank
Enclose a copy of any mineral analysis that has been made of water —

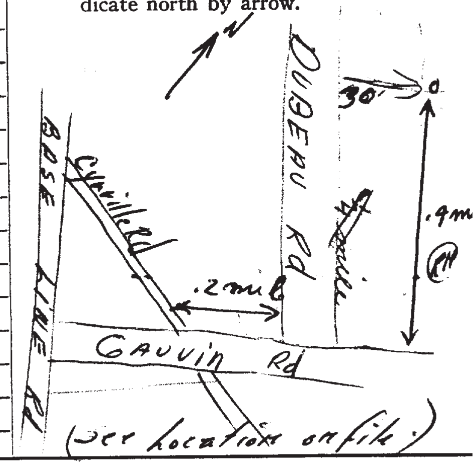
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
80'		88'
105'		88'

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	15 ft.
Gravel		
Rock	15	105

Location of Well

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



Situation: Is well on upland, in valley, or on hillside? hillside
Drilling Firm A. G. Scharf
Address Hurdmans Bridge
Name of Driller W. G. Scharf Address Hurdmans Bridge
Date January 12, 1953 Licence Number 491

Signature of Licensee

Form 5

?

UTM 4 2 18 Z | 4 5 0 4 1 0 | E

| 4 R | 5 0 1 3 1 0 7 6 1 0 | N

~~Block~~ 9 ~~B~~F | 0 2 1 4 1 0 |

~~Grant~~ Basin | 2 5 | | | |

Lot - 25

3165g

ONTARIO

RECEIVED
15 Nº 1120
GEOLOGICAL BRANCH
DEPARTMENT of MINES

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

County or Territorial District Carleton Township, ~~Village, Town or City~~ Gloucester

Con 1 O F Lot 25 Street and Number (if in Village, Town or City) DUBEAU ST. ORVILLE

Owner Lytown Construction Ltd Address "

Date Completed 26 (day) Oct (month) 1953 (year) Cost of Well (excluding pump) 925 65

Pipe and Casing Record

Casing diameter(s) 4"

Length(s) of casing(s) 16'

Type of screen nil

Length of screen

Distance from top of screen to ground level

Is well a gravel-wall type? no

Pumping Test

Date 26 Oct 1953

Static level 30'

Pumping level

Pumping rate 10 G.P.H.

Duration of test 1 HOUR

Distance from cylinder or bowls to ground level dry

Cased by Cahid

Water Record

Kind (fresh or mineral) mineral

Quality (hard, soft, contains iron, sulphur, etc.) sulphur

Appearance (clear, cloudy, coloured) clear

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

How far is well from possible source of contamination? 100'

What is the source of contamination? sep. tie tank

Enclose a copy of any mineral analysis that has been made of water nil

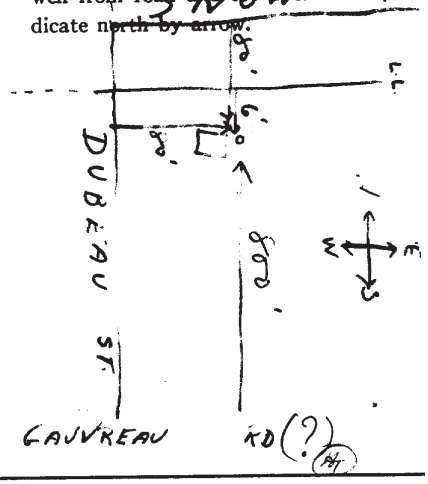
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
300	clear	240
405	"	315

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	13 ft.
sand		
Dark Brown shale	13	35
Light " limestone	35	75
white "	75	405
sand 1 Cowboy H.C.L. at 300'		
" 9 Dynamite at 375'		
" 100 # Dyetex at 405'		

Location of Well

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



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

Drilling Firm Blair Phillips 614 Johnson St

Address " "

Name of Driller " Address "

Date 26 Oct 1953 Licence Number 190

Signature of Licensee

FORM 5

UTM 18 | 415041210 E
19 | 5013017810 N
Elev. 19 | 012-1410
Basin 25 | Front
Conc-I
Lot-25

3165g

ONTARIO

RECEIVED
MAR - 6 1954
GEOLOGICAL BRANCH
DEPARTMENT of MINES

15 No. 1121

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record Gloucester

[redacted], ~~Village, Town or City~~ ~~CYRVille~~
Town or City) PLAN 232
C.Y.R. Vi. 11.E. O.N.T.
Date Completed 11 (day) F.e.B. (month) 19.54 (year) Cost of Well (excluding pump) $247.50

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) of casing(s) 18 FT.
Type of screen
Length of screen
Distance from top of screen to ground level
Is well a gravel-wall type? No.

Pumping Test

Date F.e.B. 11. 1954
Static level 9 Ft.
Pumping level 35 Ft.
Pumping rate 8 gal Per MINUTE
Duration of test 1 HR.
Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) FRESH
Quality (hard, soft, contains iron, sulphur, etc.) SO FT
Appearance (clear, cloudy, coloured) Cloudy
For what purpose(s) is the water to be used? DOMESTIC
How far is well from possible source of contamination? 50 Ft.
What is the source of contamination? Septic tank
Enclose a copy of any mineral analysis that has been made of water

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
99 Ft.	FRESH	90 Ft

Well Log

Overburden and Bedrock Record	From	To
CLAY LOAM	0 ft.	3 ft.
BLUE CLAY	3 ft	12 ft
TILL	12	15
BLACK SHALE	18	29
GREY SHALE	29	99

Location of Well

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

See Over.

Situation: Is well on upland, in valley, or on hillside? UPLAND
Drilling Firm T. H. ADAMS
Address HURDMAN'S BRIDGE
Name of Driller T. H. ADAMS Address HURDMAN'S BRIDGE
Date MARCH 4. 1954 Licence Number H2

Signature of Licensee

FORM 5

3165

UTM | 18 | Z | 415 041 610 | E
| 19 | R | 5 013 016 310 | N
Elev. | 19 | R | 012 315 |
Basin | 25 | | |
Lot 25

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

15 No. 1102

RECEIVED
NOV 29 1955
GEOLOGICAL BRANCH
DEPARTMENT of MINES

Water-Well Record

County or Territorial District Carleton Township, Village, Town or City Gloucester
[redacted] Village, Town or City) Dubeau Road
Address Cyrville Ont

Date completed 2 (day) (month) (year)

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) 19
Type of screen
Length of screen

Pumping Test

Static level 17
Pumping rate 2 00 hour
Pumping level 30 ft
Duration of test 1 hour

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
dark sandy clay	0	3	56	45	fresh
slate	3	40			
shale	40	62			

Water Record

For what purpose(s) is the water to be used?
Domestic use
Is water clear or cloudy? clear
Is well on upland, in valley, or on hillside? Valley

Drilling firm A. von Girard
Address Cyrville

Name of Driller A. von Girard
Address Cyrville

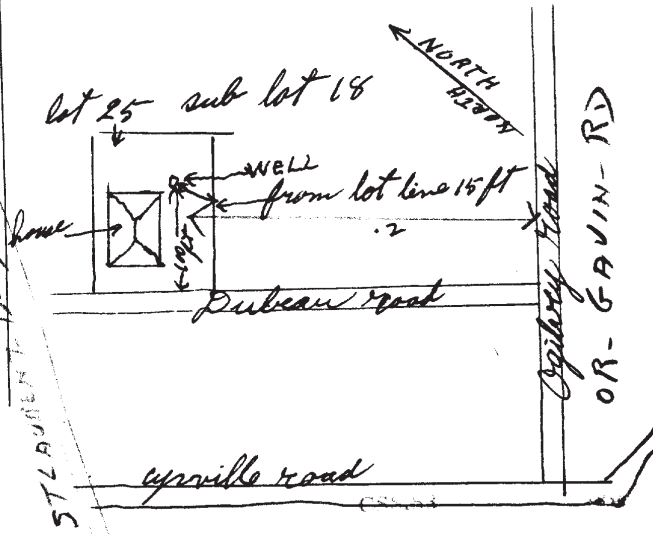
Licence Number 1019

I certify that the foregoing statements of fact are true.

Date Oct 18 A. von Girard
Signature of Licensee

Location of Well

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



Form 5

UTM 18 Z 450142 10 E
5R 5930785 N
Elev. 4R 02410
Basin 25

ONTARIO

316 5g

15 No. 112

RECEIVED
DEC 10 1956
BRANCH
DEPARTMENT of MINES

The Water-well Drillers Act, 1954
Department of Mines

Water-Well Record

County or Territorial District Carleton Township, Village, Town or City Gloucester

[redacted] Village, Town or City) Cyrville

Address apparent Cyrville

Date completed ..... (day) ..... (month) ..... (year)

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) 15 ft
Type of screen
Length of screen

Pumping Test

Static level 10 ft
Pumping rate 2 gal. per minute
Pumping level 38 ft
Duration of test 1 hour

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
gravel and sand	0	12	90 ft	89	sulphur
dark grey shale	12	99			

For what purpose(s) is the water to be used?
domestic
Is water clear or cloudy? clear
Is well on upland, in valley, or on hillside? upland

Drilling firm Ivon Giroux
Address cyrville ont

Name of Driller Ivon - Giroux
Address

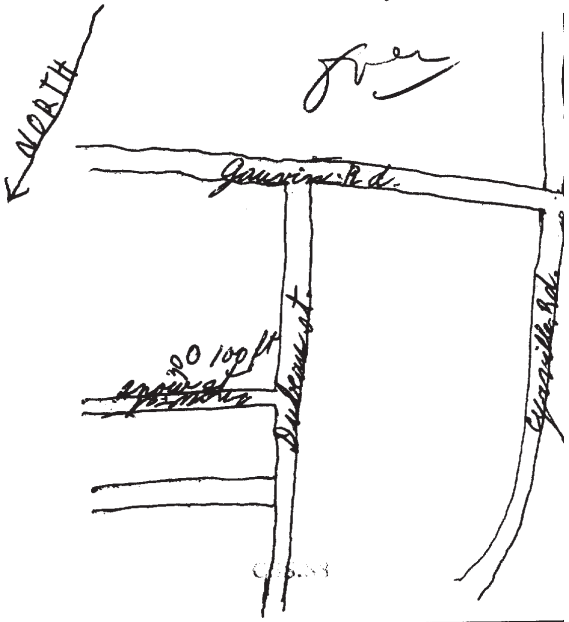
Licence Number 1019

I certify that the foregoing statements of fact are true.

Date Dec 7 Ivon Giroux
Signature of Licensee

Location of Well

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



Form 5

UTM | 18 | Z | 4510140 | 10 | E
| 5 | R | 5013101 | 61015 | N
Elev. | 4 | R | 012310 |
Basin | 215 |

GROUND WATER BRANCH
FEB 20 1962
ONTARIO WATER RESOURCES COMMISSION

15 No. ~~8168~~ X

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District ~~Carleton~~ ~~OTTAWA~~ Township, Village, Town or City Gloucester GLOUCESTER

Con. 1 OF Lot 25 Date completed Dec 16/61
(day month year)

[redacted] Address 1315 Avenue "D", Ottawa, Ont.

Casing and Screen Record

Inside diameter of casing 6 3/16
Total length of casing 18'
Type of screen Nil
Length of screen Nil
Depth to top of screen Nil
Diameter of finished hole 6"

Pumping Test

Static level [redacted]
Test-pumping rate 0 G.P.M. DRY
Pumping level 0
Duration of test pumping Nil
Water clear or cloudy at end of test Nil
Recommended pumping rate 0 G.P.M.
with pump setting of 0 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Shale	0	20	nil	nil
Limestone	20	230		

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

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

Drilling or Boring Firm J. B. Dufresne & Co Ltd.

Address 1014 Maitland Ave. Ottawa, Ont.

Licence Number 194

Name of Driller or Borer W. Roy

Address Hull, Que.

Date Dec. 16, 1961

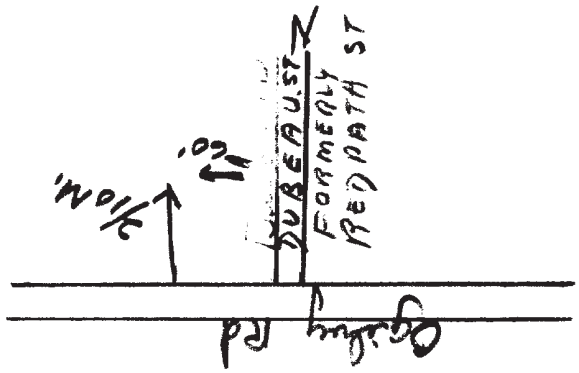
J B Dufresne
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M Sets 60-5930

OWRC COPY

Location of Well

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



DUBEAU ST

Ontario Ministry of the Environment

Well T A 050234 (mber below)

A 050234

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

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 Help Desk (Toll Free) at 1-888-396-9355.
- **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 ___

[redacted]

Address of Well Location (County/District/Municipality): CARLETON | Township | Lot | Concession

RR#/Street Number/Name: 959 CUMMINGS AVE. | City/Town/Village: OTTAWA | Site/Compartment/Block/Tract etc.

GPS Reading: NAD 83 | Zone 18T | Easting 045028 | Northing 5031131 | Unit Make/Model: GARMIN | Mode of Operation: ETREX | ☐ Indifferentiated ☑ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
BRN	FILL	SAND	LOOSE	0	0.31
BRN	CLAY	SILT	DENSE	0.31	2.44
BRN	SAND	SILT	LOOSE	2.44	3.35
& GRY	CLAY	~~STONES~~ SILT	SATURATED	3.35	4.27

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	4.27	11.43

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 From	Depth To (Metres)
Casing				
3.17	☐ Steel ☐ Fibreglass ☑ Plastic ☐ Concrete ☐ Galvanized	0.25	0	1.22
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam 3.67	☐ Steel ☐ Fibreglass ☑ Plastic ☐ Concrete ☐ Galvanized	Slot No. 10	1.22	4.27
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery 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. ☐ Shallow ☐ Deep	4		4	
Recommended pump depth. ___metres	5		5	
Recommended pump rate. (litres/min)	10		10	
	15		15	
If flowing give rate - (litres/min)	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	0.3	CONCRETE.	
0.3	0.91	BENTONITE.	
0.91	4.27	SAND	

Method of Construction

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

Water Use

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

Final Status of Well

☐ Water Supply ☐ Recharge well ☐ Unfinished ☑ Abandoned, (Other)
☑ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering MONITORING
☒ Test Hole ☐ Abandoned, poor quality ☐ Replacement well WELL

Well Contractor/Technician Information

Name of Well Contractor: STRATA SOIL SAMPLING | Well Contractor's Licence No.: 7241

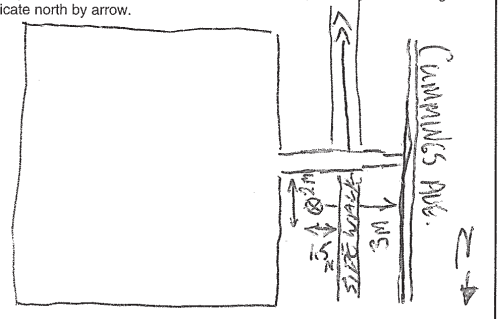
Business Address (street name, number, city etc.): 147 WEST BEAVER CREEK RICHMOND HILL

Name of Well Technician (last name, first name): PULIATSCHEK ERNIE / Gandy, John | Well Technician's Licence No.: 1756 / 13069

Signature of Technician/Contractor: X [signature] | Date Submitted YYYY MM DD: 07 05 09

Location of Well

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



Audit No. Z 59431 | Date Well Completed YYYY MM DD: 07 03 09

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

Ministry Use Only

Data Source | Contractor 7241

Date Received MAY 07 2007 MM DD | Date of Inspection YYYY MM DD

Remarks | Well Record Number

0506E (08/2006) Ministry's Copy *Cette formule est disponible en français*

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☐ Imperial

We [redacted] (See Instruction Below) **A108203** A108203

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name): 1043 Cummings Avenue	Township: Beacon Hill	Lot: pt. lot 15	Concession: 16
County/District/Municipality: Ottawa Carleton	City/Town/Village: Ottawa	Province: Ontario	Postal Code:
UTM Coordinates: Zone 18, Easting 450467, Northing 5030826 (NAD 83)	Municipal Plan and Sublot Number: Plan 217	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	Depth (m/ft) To
			topsoil	0	0.08
brown	sand		silty sand	0.08	1.47
black			shale bedrock	1.47	4.77
		BH 10-1 was tagged			

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	2.16	bentonite pellets	1/3 pail
2.16	4.77	filter sand	2/3 bag

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 ☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
3.5	plastic	0.3	0	2.45

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
4.1	plastic	10	2.45	4.77

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Fresh	Untested	Other, specify
	☐		☐	☐	
	☐		☐	☐	
	☐		☐	☐	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	1.50	7.5
1.50	4.77	5.7

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

Area map and site plan are enclosed.

Comments:

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	Date Submitted: 2011 02 08

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: Y Y Y Y M M D D

Ministry Use Only

Audit No. z127791

Received FEB 10 2011

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Ontario Ministry of the Environment

Well Tag No. for Master Well *(Print Well Tag No.)*: A108203

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

[redacted]

Address of Well Location (Street Number/Name, RR): 1043 Cummings Avenue | Lot: pt. 15&16 | Concession | Township: Beacon Hill | County/District/Municipality: Ottawa Carleton

City/Town/Village: Ottawa | Province: Ontario | Postal Code | GPS Unit Make: Magellan | Model | Unit Mode of Operation: ☒ Undifferentiated ☐ Averaged ☐ Differentiated, specify:

Signature of Technician/Contractor | Date *(yyyy/mm/dd)*

Well # on Sketch	UTM Coordinates Zone	Easting	Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres) From	To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion *(yyyy/mm/dd)*
BH1	18	450467	5030826	4.77	5.7	diamond	plastic	2.45	2.45	4.77					2011/01/05
BH2		Inside		3.84	5.7	diamond	plastic	2.15	2.15	3.84					2011/01/05
BH3	18	450544	5030864	4.85	5.7	diamond	plastic	2.72	2.72	4.85					2011/01/06

Well Contractor and Well Technician Information

Business Name of Well Contractor: OGS INC | Business Address (Street Number/Name, RR): 5518 Appleton Side Road | Municipality: Almonte | Province: Ontario

Postal Code: K0A1A0 | Business Telephone No. *(inc. area code)*: 6132567666 | Well Contractor's Licence No.: 6964 | Business E-mail Address: ogsinc@bellnet.ca

Name of Well Technician (First Name, Last Name): Chad Echlin | Well Technician's Licence No.: 3299 | Date Submitted *(yyyy/mm/dd)*: 2011/02/08 | Signature of Technician

Date 1st Well in Cluster Constructed *(yyyy/mm/dd)*: 2011/01/05 | Date Last Well in Cluster Constructed *(yyyy/mm/dd)*: 2011/01/06

Ministry Use Only

Date Received *(yyyy/mm/dd)*: FEB 11 2011 | Date Inspected *(yyyy/mm/dd)*

Audit No.: c07383 | Remarks: 2127791

1991 (11/2006)

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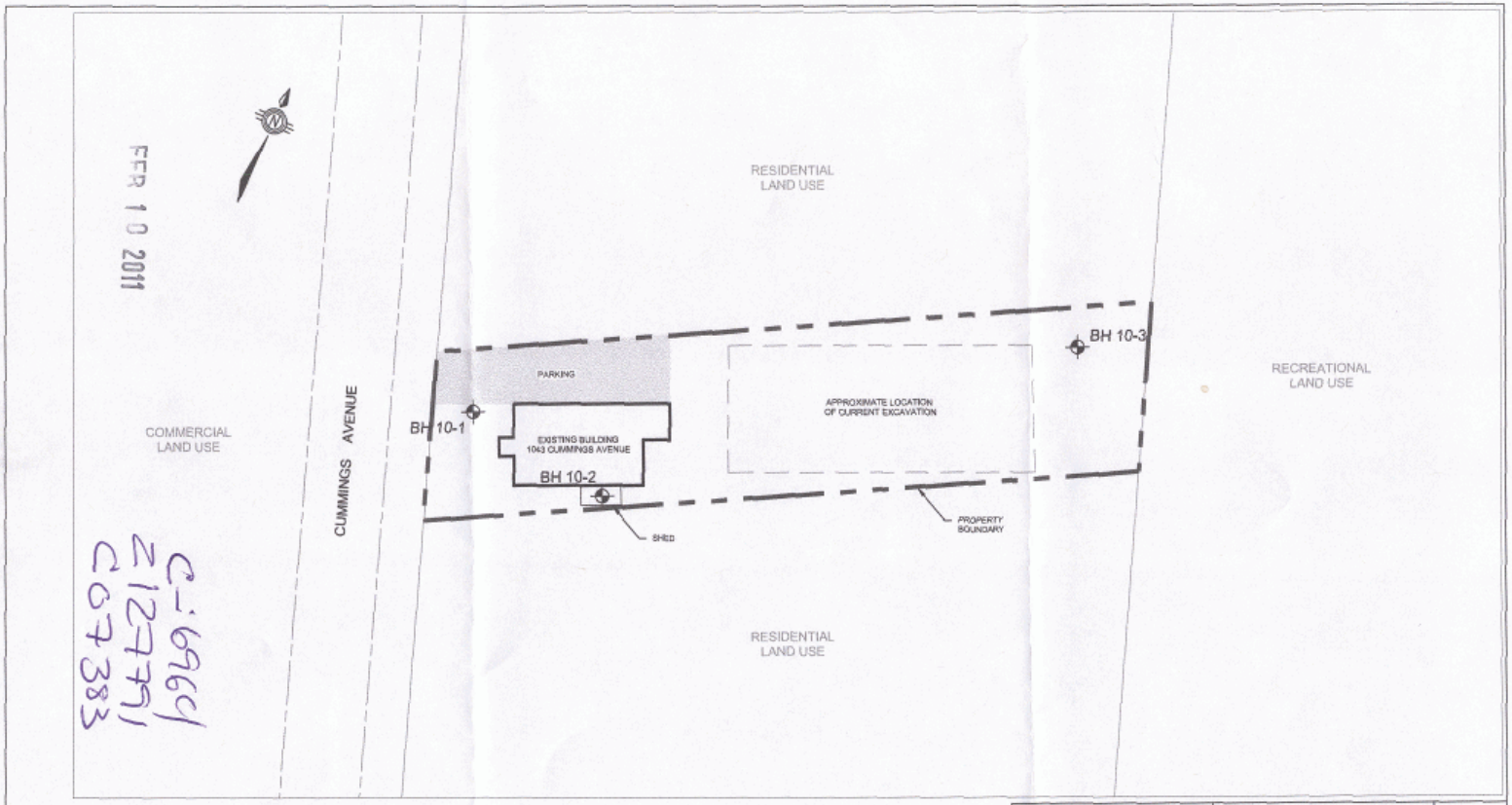


FEB 10 2011

C-6961
121741
20383

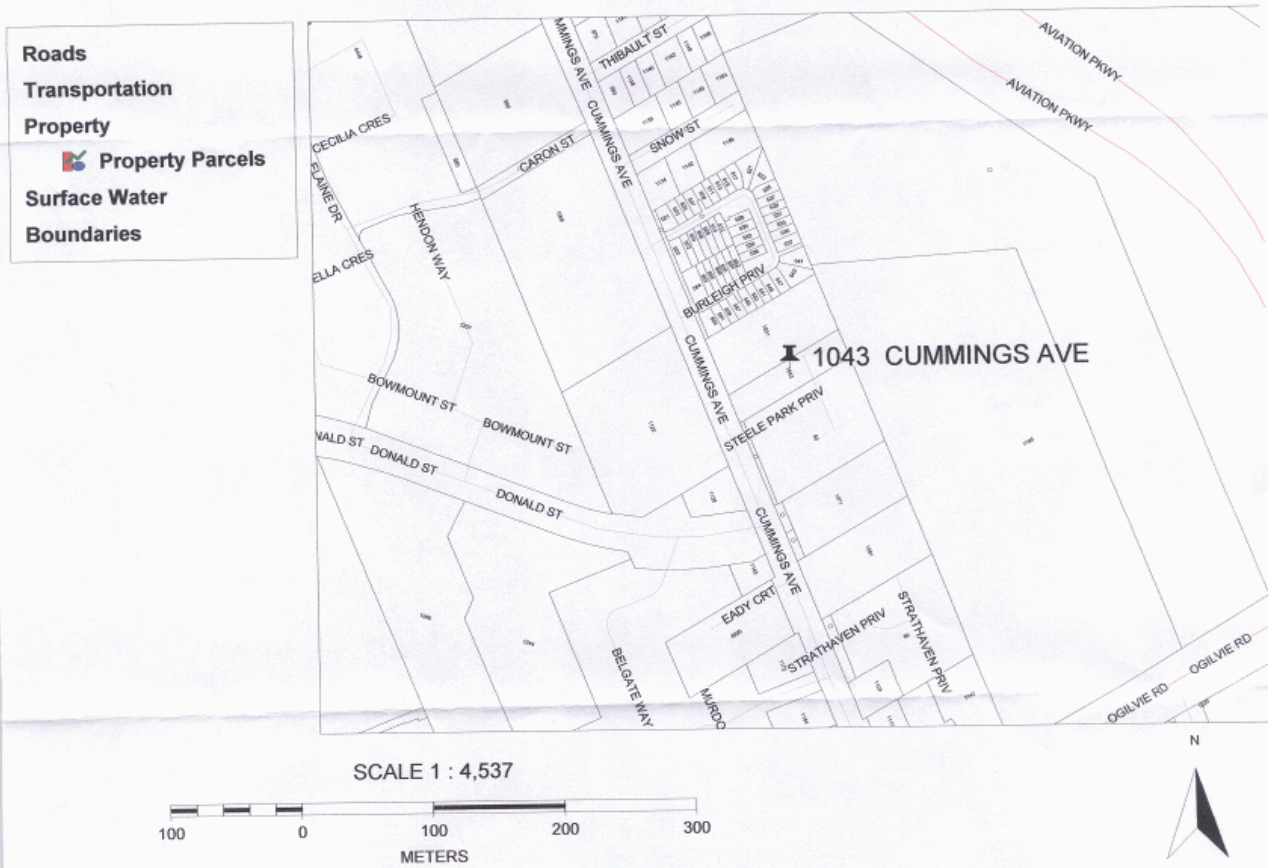
LEGEND

BH 1 APPROXIMATE BOREHOLE LOCATION IN PLAN, CURRENT INVESTIGATION BY HOULE CHEVRIER ENGINEERING LTD.

PROPERTY BOUNDARY

Client MADAWAN MANAGEMENT AND DEVELOPMENT		Location 1043 CUMMING AVENUE OTTAWA, ON	Revision 0
Drawn by D.J.R	Approved by A.F.C	Project No. 10-597	Approx. Scale 1:500
Houle Chevrier Engineering		Title SITE PLAN	
		Date January 2011	FIGURE 2

Ottawa



C-6964
2127791
C07383

FEB 10 2011

http://apps104.ottawa.ca/ic_rowmaps/maps/local_ottawa_en.mwf

January 10, 2011 9:28 AM

Ontario — Ministry of the Environment

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*: N/A

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
Marc	Maracle et Mada wan Management Develop mont		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
# 396 MacLaren Street	Ottawa,	Ont	K2P0M8	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
#1043 Cummings Avenue	Beacon Hill	P L15+16	

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	450545	5030864	Plan 217	

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	Depth (m/ft) To
	1 1/4" PVC Monitoring Well		Abandonment	0'	15'

"BH-3" - A108203 - Jan 5/11 - 2127791

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
15'	4'	Holeplug	> 4.2
4'	0'	Backfill	

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☐ Air percussion ☐ Other, specify

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) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

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

NOT USEABLE

Final status

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

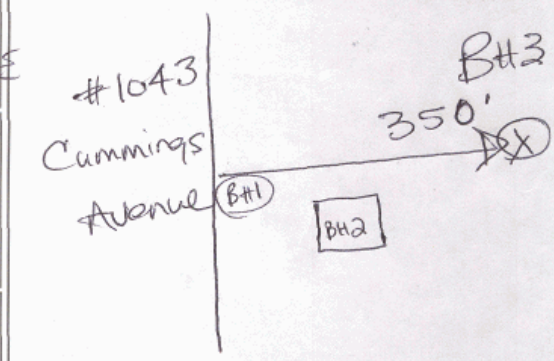
Well production (l/min / GPM)

Disinfected? ☒ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments: "BH 3"

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
AIR Rock Drilling Co. LTD	1119

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
RR#1	Richmond	ONT	K0A2Z0	

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6138882170	Desaulniers, Ken	14		2011/04/29

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☒ No		2011/04/06

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Audit No. Z119798

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Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*: N/A

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
Marc	Maracle + Madawan Management + Development		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
396 Maclaren Street	Ottawa, Ont		K2P0M8	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
#1043 Cummings Ave	Beacon Hill	P/L 15 & 16	

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	450498	5030818	Plan 217	

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	Depth (m/ft) To
	1¼" Pvc Monitoring Well (inside) Abandonment			0'	12'

"BH-2" - A108203 - Jan 5/11 - 2127791

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m³/yd³)
12'	4'	Hole Plug	> 4.2
4'	0'	Backfill	

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☐ Air percussion ☐ Other, *specify*

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) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

☐ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☒ Abandoned, other, *specify* NOT USEABLE ☐ Other, *specify*

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, *specify*

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

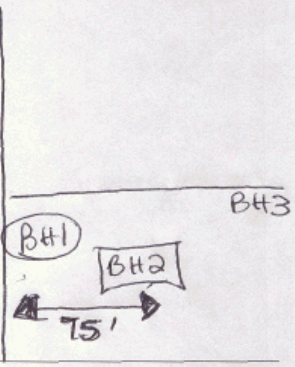
Well production (l/min / GPM)

Disinfected? ☒ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments: "BH 2" (INSIDE)

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Air Rock Drilling Co Ltd	1119

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
RR#1	Richmond	ONT	K0A 2Z0	

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6138382170	Desaulniers, Ken	T4		2011/04/08

Well owner's information package delivered: ☐ Yes ☒ No

Date Package Delivered: ____

Date Work Completed: 2011/04/06

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Measurements recorded in: ☐ Metric ☒ Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
Marc	Miracle of Madawaska Management + Development		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
#396 Maclaren Street	Ottawa	Ont	K2P0M8	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
#1043 Cummings Ave	Beacon Hill	P/L15+16	

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	450467	5030826	Plan 217	

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	Depth (m/ft) To
	1 1/4" PVC Monitoring well Abandonment			0'	15'

"BH-1" - A108203 - Jan 5/11 - Z127791

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³)
15'	4'	Holeplug	> 4.2
4'	0'	Backfill	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, specify

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) From	Depth (m/ft) To

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☒ Abandoned, other, specify — NOT USEABLE
☐ Other, specify

Water Details

Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, specify
Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, specify
Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, specify

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

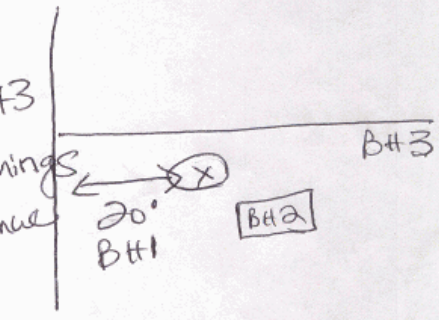
Well production (l/min / GPM)

Disinfected? ☒ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments: "BH 1"

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
AR Rock Drilling Co LTD	1119

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
RR#1	Richmond	ONT	K0A2Z0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
613 838 0170	Desaulniers Ken	1714		2011/04/29

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☒ No		2011/04/06

Ministry Use Only

Audit No. Z119818

Received MAY 18 2011

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Map: Well records

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

Full dataset is available in the Open Data catalogue.

Go Back to Map

Well ID

Well ID Number: 7291636
Well Audit Number: *Z245022*
Well Tag Number: *A202153*

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

Well Location

Address of Well Location	4644 ELAINE DRIVE
Township	GLOUCESTER TOWNSHIP
Lot	026
Concession	OF 01
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 450202.00 Northing: 5031123.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
	FILL	SAND	GRVL	0 m	3 m
	TILL			3 m	6.1 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	2.4 m	BENTONITE	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HSA	Monitoring

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.08 cm	PLASTIC	0 m	3.05 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
5.88 cm	PLASTIC	3.05 m	6.1 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

Results of Well Yield Testing

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

Hole Diameter

Depth From	Depth To	Diameter
0 m	6.1 m	20.3 cm

Audit Number: Z245022

Date Well Completed: June 21, 2017

Date Well Record Received by MOE: July 28, 2017

Updated: March 5, 2019
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- Well water

Ministry of the Environment, Conservation and Parks

The Ministry of the Environment, Conservation and Parks works to protect and sustain the quality of Ontario's air, land, and water. We also coordinate Ontario's actions on climate change in the name of healthier communities, ecological protection and economic prosperity.

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