



Geotechnical
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Materials Testing

Building Science

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Services

Phase I-Environmental Site Assessment

147 Langstaff Drive
Ottawa, Ontario

Prepared For

Inverness Homes

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September 23, 2019

Report: PE4666-1

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Inverness Homes to conduct a Phase I-Environmental Site Assessment (ESA) for 147 Langstaff Drive, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and Phase I study area and to identify any environmental concerns with the potential to have impacted the Phase I property.

According to the historical research, the Phase I Property has always been vacant and undeveloped land. Based on historical records, neighbouring land use has consisted of residential, institutional, recreational and commercial.

Five (5) historical potentially contaminating activities (PCAs) were identified, including railway tracks and two (2) former landfills. Based on the downgradient orientation, these PCAs, with the exception of a former landfill, are not considered to represent areas of potential environmental concern (APECs) on the Phase I Property. The former landfill located immediately northwest of the subject site has generated an APEC on the Phase I Property.

Following the historical research, a site visit was conducted. The subject site is vacant land situated in a mixed-use area. Neighbouring land use in the Phase I Study Area consists of residential, commercial retail, institutional and recreational. No other PCAs were identified with the current use of the Phase I Property or lands within the Study Area.

Based on the results of the assessment, it is **our opinion that a Phase II-Environmental Site Assessment is required for the subject property.**

1.0 INTRODUCTION

At the request of Inverness Homes, Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) of the property located at 147 Langstaff Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I-ESA by Ms. Alison Stirling of the Stirling Group, acting on behalf of Inverness Homes. Ms. Stirling can be reached by telephone at (613) 299-5654.

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

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

2.0 PHASE I PROPERTY INFORMATION

Address:	147 Langstaff Drive, Ottawa, Ontario
Legal Description:	Part of Blocks A, B, C of Lots 6 to 13, north of John Street, Lots 15 to 21, south of John Street, of Plan 148, Part of Lot 18, Concession 2 (formerly Huntley) and Lots 52 and 53, Part of Lots 54 and 55 of Registered Plan 4R24903, in the City of Ottawa.
Location:	The site is located on the southwest side of Langstaff Drive, 185 m northwest of the Langstaff Drive and Donald B. Munro intersection, in the Village of Carp ; Township of West Carleton, (now City of Ottawa), Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
PIN:	04533-1980
Latitude and Longitude:	45° 20' 43.96" N, 75° 02' 54.26" W
Site Description:	
Configuration:	Irregular
Area:	7.3 hectares (approximately)
Zoning:	V3B – Village Residential Third Density Zone
Current Use:	The subject site is currently vacant land.
Services:	The subject site and adjacent lands are situated in a municipally serviced area that relies on potable water wells.

3.0 SCOPE OF INVESTIGATION

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

- Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
- Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the subject property, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of O.Reg. 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 study area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

First Developed Use Determination

According to the aerial photographs, the subject property has never been developed.

National Archives

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

The Ottawa city directories were reviewed for the subject site. However, due to the amalgamation and the location of the subject property, the Ottawa City Directories were only available from 2001 to 2011. The subject site has never been listed in the city directories. Three (3) off-site potentially contaminating activities (PCAs) were identified in the directories which included a former construction company at 3725 Carp Road, a former automotive garage at 421 Donald B. Munro Drive and a commercial cleaner/dry cleaner at 449 Donald B. Munro Drive. These PCAs with respective distances are presented in Table 1.

TABLE 1: Potentially Contaminating Activities City Directories Review Summary			
Address	Listing	Years Listed	Approximate Distance / Orientation from Site
Carp Road			
3725	Contracting Company (2 USTs)	2001-2011	130 m S
Donald B. Munro Drive			
421	Automotive Repair Garage	2001-2011	44 m S
449	Star Fashion / drycleaner	2001-2011	120 m SW

Based on their down-gradient location with respect to the subject site, these off-site PCAs are not considered to represent areas of potential environmental concern (APECs) on the Phase I Property. The location of these PCAs are shown in Drawing PE4666-2 – Surrounding Land Use Plan.

Chain of Title

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

Plan of Survey

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

Previous Engineering Reports

Paterson has conducted several environmental investigations within the area. Based on a review of our files, one potentially contaminating activity (PCA) was identified immediately west of the subject site; a former waste disposal site, Wc-05, which is discussed in more detail in the City of Ottawa Landfill Document section of this report.

Paterson conducted a geotechnical investigation for the subject site in January 2009 (Report No. PG1773-REP.01). Based on the geotechnical report, the subsurface profile in the general area consisted of topsoil overlying a thin silty sand layer followed by a stiff silty clay deposit, overlying silty sand.

Groundwater levels were measured at the time of the investigation and the groundwater flow direction was inferred to be in a southerly direction with a hydraulic gradient of approximately 0.018 m/m.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on June 28, 2019. The subject site and adjacent properties were not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I study area.

PCB Inventory

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

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on June 28, 2019. The search did not reveal any areas of natural significance within the Phase I study area.

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

A request was submitted to the MECP Freedom of Information (FOI) 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. Based on the MECP's response, no records were located regarding the Phase I Property or the study area.

MECP Submissions

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the properties. Based on the MECP's response, no records were located regarding the Phase I Property or the study area.

MECP Incident Reports

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the site or adjacent properties. Based on the MECP's response, no records were located regarding the Phase I Property or the study area.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records. Based on the MECP's response, no records were located regarding the Phase I Property or the study area.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

MECP Brownfields Environmental Site Registry

A search of the MECP 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 property or properties within the Phase I ESA study area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. There are no former waste disposal sites located within 250 m of the Phase I study area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on July 2, 2019, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. No records were listed in the TSSA registry for the subject site or the adjacent 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. Two (2) former domestic waste disposal sites, Wc-05 and Wc-10 which operated pre-1940s were identified within the study area. Waste site Wc-10 (Carp Plaza site) is located approximately 175 m downgradient of the subject site at 461 Donald B. Munroe Drive. Based on the location of this potentially contaminating activity (PCA), this former waste dump does not represent an area of potential environmental concern to the Phase I Property.

Waste site Wc-05 (Fairgrounds Dump), was located on the adjacent property at 3774 Carp Road. According to the document, the footprint of the Fairgrounds Dump landfill covered approximately 2,910 square meters with a waste depth of just shy of 1 meter deep. The landfill was reportedly used for domestic waste. No other information was provided in the City of Ottawa Landfill document. Based on the location of this PCA, this former landfill is considered to represent an area of potential environmental concern (APEC) on the Phase I Property.

City of Ottawa Historical Land Use Inventory (HLUI)

A search of the City of Ottawa’s Historical Land Use Inventory (HLUI) database was conducted as part of this assessment.

The HLUI search results did not identify any activities associated with the Phase I Property, however, twenty-three (23) activities associated with properties within the Phase I Study Area were identified. Nine (9) activities are identified as PCAs and are summarized in Table 2.

TABLE 2: Potentially Contaminating Activities Historical Land Use Inventory Search Results			
Address	Activity Listed	Years Listed	Approximate Distance / Orientation from Site
Carp Road			
3725	Contracting Company (2 USTs)	1990-2011	127 m SW
3715	Impacts Prints (Commercial Printing)	2001	125 m SW
3739	Gas Station	1930-1970	80 m SW
3727	RJ Nebbs Transportation	2005	129 m SW
Donald B. Munro Drive			
Not listed	Canadian National Railway coal shed	1934	>80 m S
421	Automotive Repair Garage	2001-2011	44 m S
449	Star Fashion / drycleaner	1994-2003	120 m SW
461	Motor Vehicle Repair Shop	1930-1970	135 m SW

Based on the separation distance and downgradient location with respect to the subject land, the above noted PCAs are not considered to represent APECs on the Phase I Property. A copy of the HLUI search response is provided in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

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

- | | |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1946 | The subject site appears to be vacant agricultural fields. Carp Road and Donald B. Munro Drive can be seen in their current configuration. Langstaff Drive is not present at this time. Surrounding lands along Donald B. Munro Drive and Carp Road are developed and occupied. Adjacent lands to the north/northeast are also vacant and undeveloped at this time. |
| 1964 | The subject site and surrounding lands appear unchanged from the previous photograph. |
| 1976 | No significant changes are apparent on the subject site or surrounding properties. |
| 1983 | No significant changes are apparent to the subject site or neighbouring lands. |
| 1999 | No significant changes are apparent to the subject site. Langstaff Drive is present at this time. A residential development is present across Langstaff Drive with recreational facilities to the north. |
| 2010 | No significant changes are apparent to the subject site. Additional developments are present further to the north. |
| 2017 | The subject site and surrounding lands appear unchanged from the previous photograph. |

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

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the regional topography in the general area of the site slopes down in a southwesterly direction towards the Carp River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

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 southern and northern portions of the property consists of interbedded limestone and shale of the Verulam Formation and intrusive rocks of Syenite, respectively. The site is located in an area where both nearshore and offshore marine sediments are present (sand, reworked glaciofluvial, clay and silt). The drift thickness in the area ranges from 50 to 100 m.

Physiographic Maps

The Ontario Geological Survey publication 'The Physiography of Southern Ontario, Third Edition' was reviewed as a part of this assessment. According to the publication, the site is situated within the Ottawa Clay Plain physiographic region.

Water Bodies and Areas of Natural Significance

No bodies of water or areas of natural significance were identified on the subject site or within the study area.

Water Well Records

A well record search was conducted on July 2, 2019 for all drilled wells within 250 m of the subject site. The search returned forty-three (43) records, of which, forty-one (41) were domestic wells, one (1) monitoring well, and one (1) abandoned well. All of the well records were identified 20 m or more away from the subject site. Based on the well records, all potable water wells were drilled to depths ranging from 15.8 to 76.8 m below the existing ground surface.

One monitoring well was identified at a residential address (422 Donald B. Munro Drive), approximately 20 m southwest of the subject site. Based on the downgradient location, this property is not considered to pose a risk to the subject site.

Based on the well records, the stratigraphy in the general area consists of sandy clay y, overlying limestone bedrock. No other information was provided in the well records. A copy of the well records has been included in Appendix 2.

5.0 INTERVIEWS

No one knowledge about the subject site was available for interviewing at the time of this assessment.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site visit was conducted on July 2, 2019. Weather conditions were sunny with a temperature of approximately 26 °C. Ms. Mandy Witteman from the Environmental Department of Paterson conducted the site assessment. In addition to the site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site visit.

6.2 Specific Observations at Phase I Property

Site Features

The subject property is vacant land covered in grass and low brush with some trees along the property boundaries and a ravine passing through the central part of the site running in a north to south direction. A gravel laneway provides access to the site, fronting Langstaff Drive. Site drainage consists primarily of infiltration.

The site topography is at the grade with Langstaff Drive and slopes down in a southerly direction. The regional topography slopes down in a south-westerly direction towards the Carp River.

No underground utilities were noted on-site. No drains or private sewage systems were observed on the subject property at the time of the site visit. No evidence of current or former railway or spur lines was observed on the subject property at the time of the site visit. No areas of stained gravel/ground surface, stressed vegetation or unidentified substances were observed on-site at this time. Stagnant/ponded water was noted in the central portion of the site. No unusual odour or sheen was noted at the time of the visit.

Buildings and Structures

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

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:

- Northeast - Langstaff Drive, followed by residential dwellings;
- South/southwest - Residential dwellings and commercial retailers, followed by Carp Road;
- Southeast - Residential dwellings, followed by Donald B. Munro Drive;
- Northwest/west - Fairgrounds, followed by recreational facilities.

The current use of the immediately adjacent properties is not considered to pose an environmental concern to the Phase I Property.

Current land use in the Phase I Study Area is illustrated on Drawing PE4666-2 – Surrounding Land Use Plan in the Figures section of this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

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

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Table 2 of O.Reg. 153/04, a historical PCA (Item 58) was identified within the Phase I ESA Study Area: a former landfill located immediately northwest of the Phase I Property at 3774 Carp Road. Based on its location with respect to the subject site, this PCA generates an area of potential environmental concern (APEC) on the Phase I Property.

Other PCAs that did not result in APECs are depicted in green on Drawing PE4666-2 –Surrounding Land Use Plan, in the Figures section of this report.

Contaminants of Potential Concern

Contaminants of Potential Concern (CPCs) include benzene, toluene ethylbenzene, and xylenes (BTEXs), petroleum hydrocarbons (PHCs), polycyclic aromatic hydrocarbons (PAHs) and volatile organic compounds (VOCs) in soil and/or groundwater.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on information from the Geological Survey of Canada, the overburden thickness in the area of the subject site is estimated to be on the order of 50 to 100 m. The overburden consists of both nearshore and offshore marine sediments (sand, reworked glaciofluvial, clay and silt). Bedrock in the southern and northern portions of the property consists of interbedded limestone and shale of the Verulam Formation and intrusive rocks of Syenite, respectively.

Groundwater flow is interpreted to be in a southwesterly direction towards the Carp River.

Contaminants of Potential Concern

As per Section 7.1 of this report, CPCs include BTEX, PHCs, PAHs and VOCs in soil and/or groundwater.

Existing Buildings and Structures

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

Water Bodies and Areas of Natural Significance

No bodies of water or areas of natural significance were identified on the subject site or within the study area.

Drinking Water Wells

Based on the MECP well records search, no potable water wells were identified on the Phase I Property.

Groundwater Monitoring Wells

One groundwater monitoring well was identified 20 m southwest of the subject site. Based on the downgradient location of the monitoring well, it is not considered to pose a risk to the Phase I Property.

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area consists of a combination of residential, institutional, commercial (retailers and restaurants) and recreational. Railway tracks are present 100 m south of the subject land.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, a former landfill operating on the Carp fairgrounds was identified to result in an APEC 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 is one APEC on the subject site. A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

Assessment

Paterson Group was retained by Inverness Homes to conduct a Phase I-Environmental Site Assessment (ESA) for 147 Langstaff Drive, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and Phase I study area and to identify any environmental concerns with the potential to have impacted the Phase I property.

According to the historical research, the Phase I Property has always been vacant and undeveloped land. Based on historical records, neighbouring land use has consisted of residential, institutional, recreational and commercial.

Five (5) historical potentially contaminating activities (PCAs) were identified, including railway tracks and two (2) former landfills. Based on the downgradient orientation, these PCAs, with the exception of a former landfill, are not considered to represent areas of potential environmental concern (APECs) on the Phase I Property. The former landfill located immediately northwest of the subject site has generated an APEC on the Phase I Property.

Following the historical research, a site visit was conducted. The subject site is vacant land situated in a mixed-use area. Neighbouring land use in the Phase I Study Area consists of residential, commercial retail, institutional and recreational. No other PCAs were identified with the current use of the Phase I Property or lands within the Study Area.

Based on the results of the assessment, it is **our opinion that a Phase II-Environmental Site Assessment is required for the subject property.**

9.0 STATEMENT OF LIMITATIONS

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

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

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

Paterson Group Inc.



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



Mark S. D'Arcy, P.Eng., QP_{ESA}

Report Distribution:

- Inverness Homes
- Paterson Group

10.0 REFERENCES

Federal Records

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

Provincial Records

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

Municipal Records

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

Local Information Sources

Personal Interviews.

Public Information Sources

Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4666-1 – SITE PLAN

DRAWING PE4666-2 – SURROUNDING LAND USE PLAN

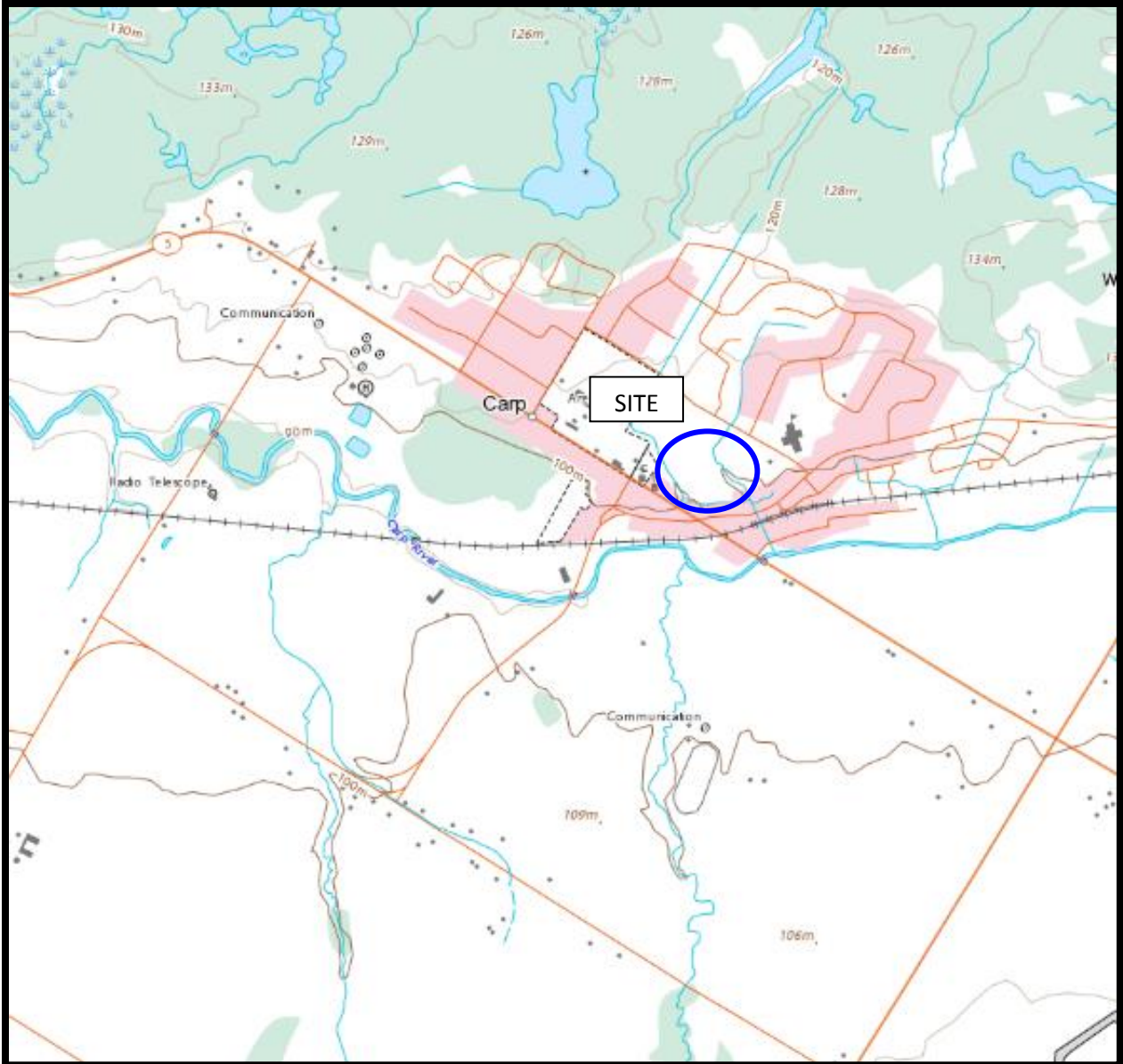
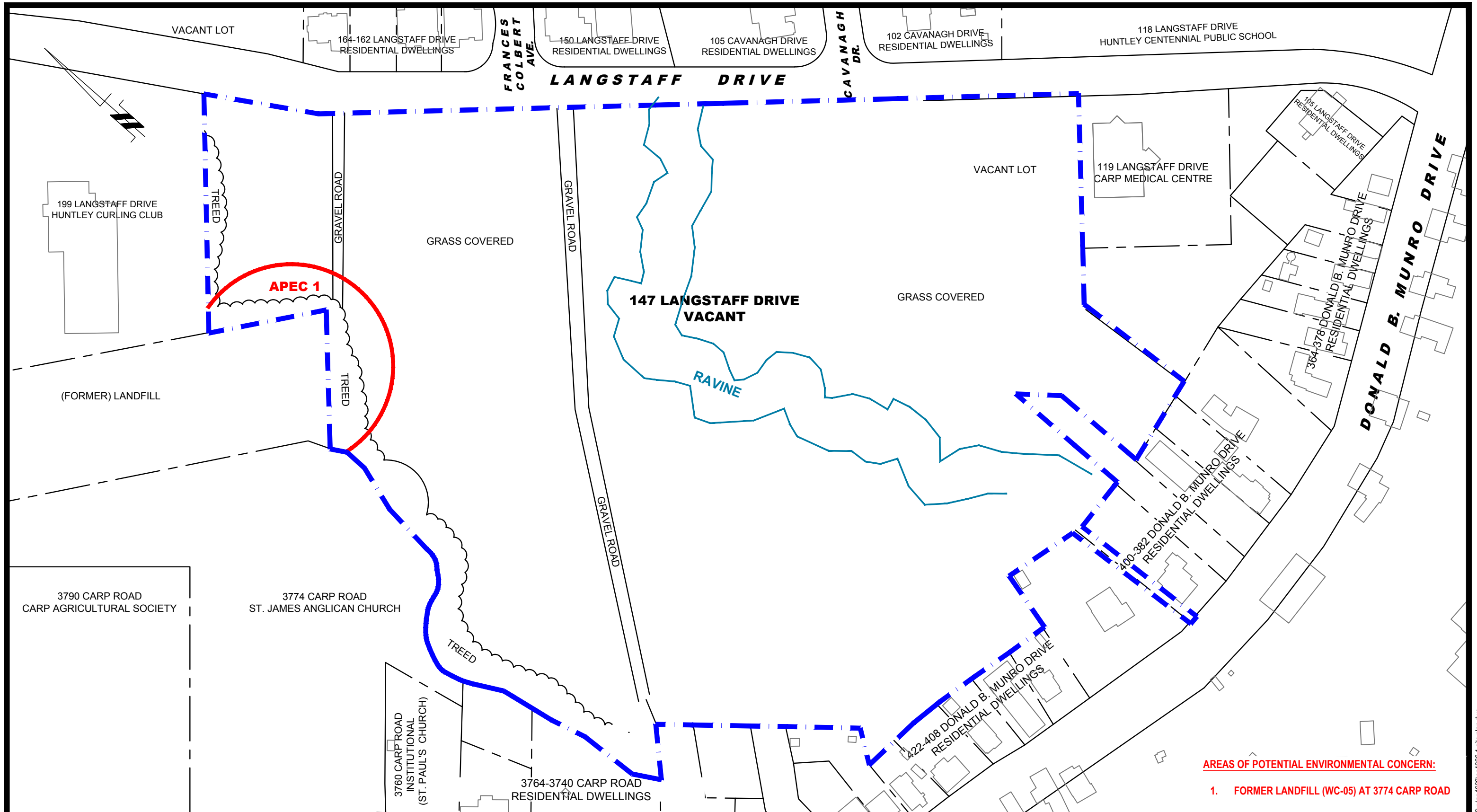


FIGURE 2
TOPOGRAPHIC MAP



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:
 1. FORMER LANDFILL (WC-05) AT 3774 CARP ROAD

patersongroup
 consulting engineers

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

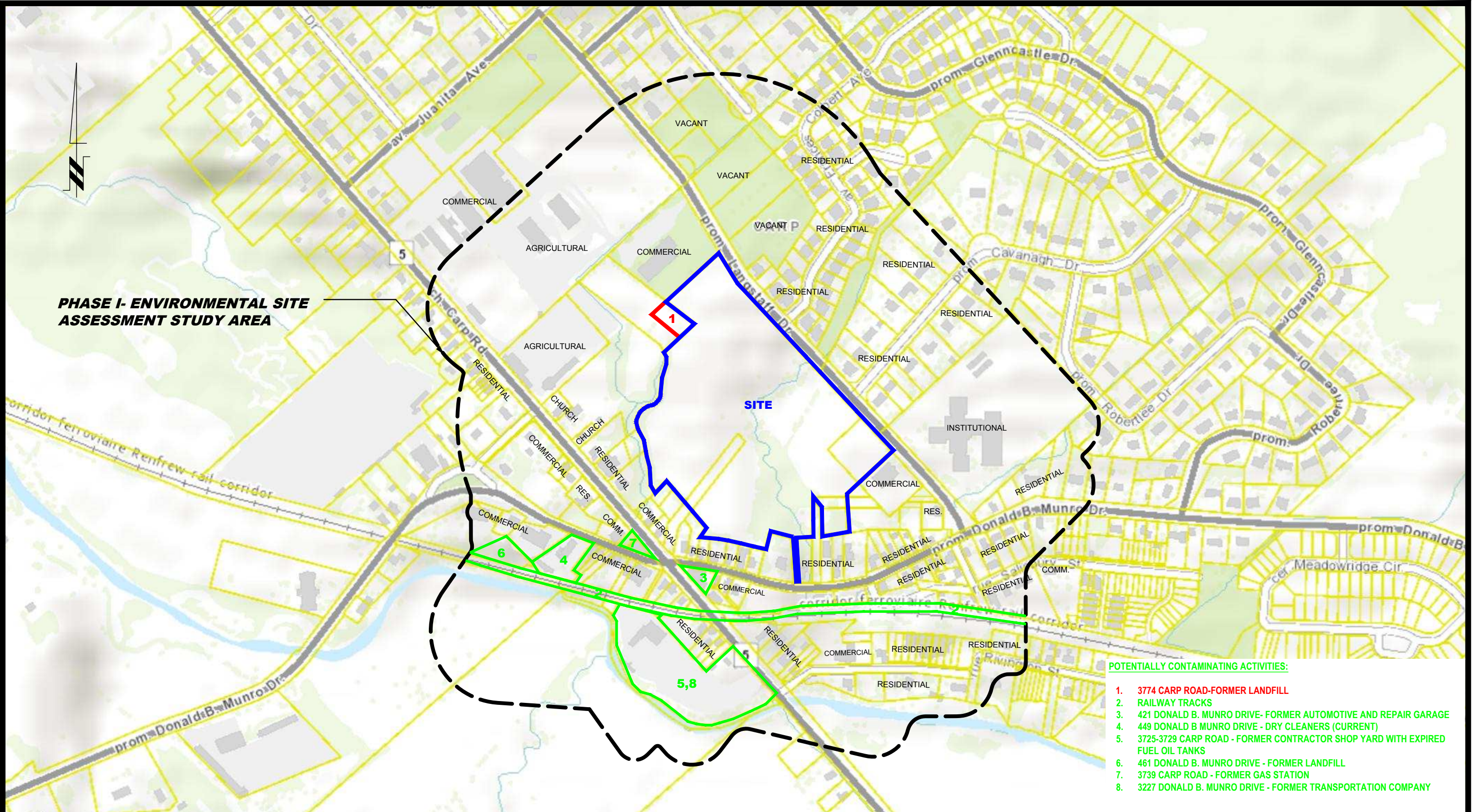
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INVERNESS HOMES
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
147 LANGSTAFF DRIVE

OTTAWA, ONTARIO

SITE PLAN

Scale:	1:1500	Date:	07/2019
Drawn by:	YA	Report No.:	PE4666-1
Checked by:	MW	Dwg. No.:	PE4666-1
Approved by:	MSD	Revision No.:	



PHASE I - ENVIRONMENTAL SITE ASSESSMENT STUDY AREA

SITE

- POTENTIALLY CONTAMINATING ACTIVITIES:**
1. 3774 CARP ROAD-FORMER LANDFILL
 2. RAILWAY TRACKS
 3. 421 DONALD B. MUNRO DRIVE- FORMER AUTOMOTIVE AND REPAIR GARAGE
 4. 449 DONALD B MUNRO DRIVE - DRY CLEANERS (CURRENT)
 5. 3725-3729 CARP ROAD - FORMER CONTRACTOR SHOP YARD WITH EXPIRED FUEL OIL TANKS
 6. 461 DONALD B. MUNRO DRIVE - FORMER LANDFILL
 7. 3739 CARP ROAD - FORMER GAS STATION
 8. 3227 DONALD B. MUNRO DRIVE - FORMER TRANSPORTATION COMPANY

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

NO.	REVISIONS	DATE	INITIAL
0			

INVERNESS HOMES
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
147 LANGSTAFF DRIVE

OTTAWA, ONTARIO

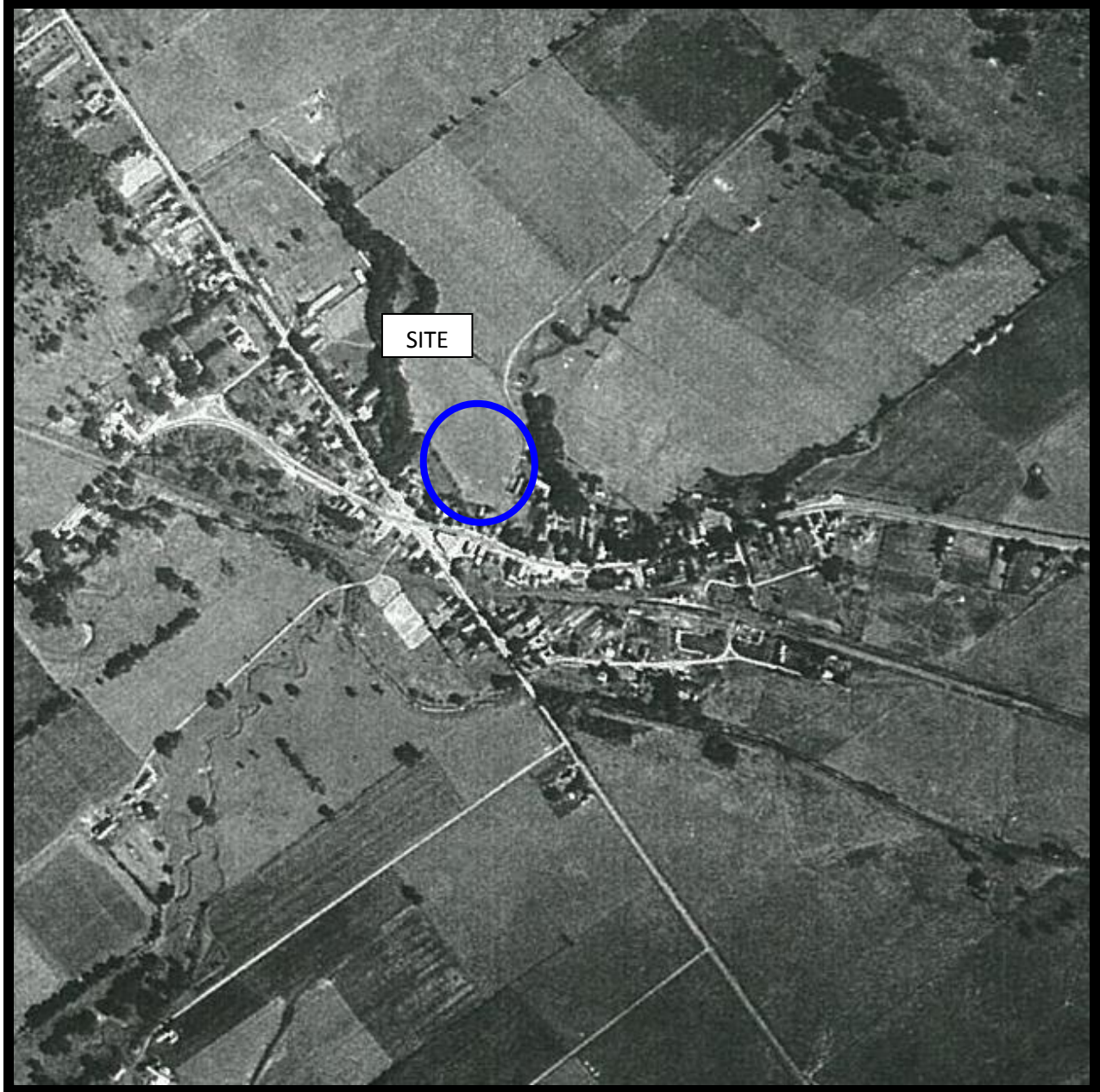
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Checked by:	MW	Dwg. No.:	PE4666-2
Approved by:	MSD	Revision No.:	

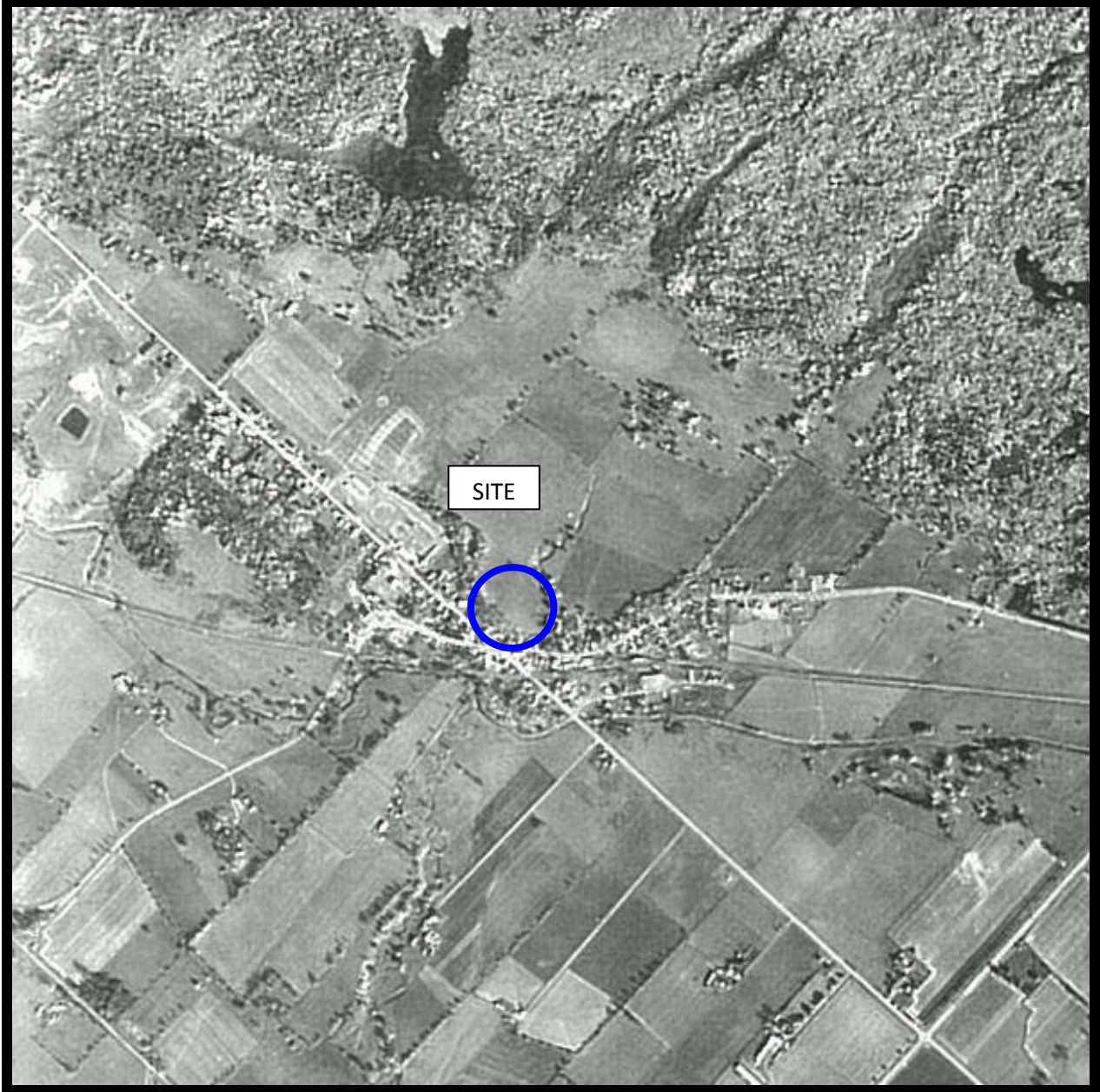
APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH
1946



AERIAL PHOTOGRAPH
1964



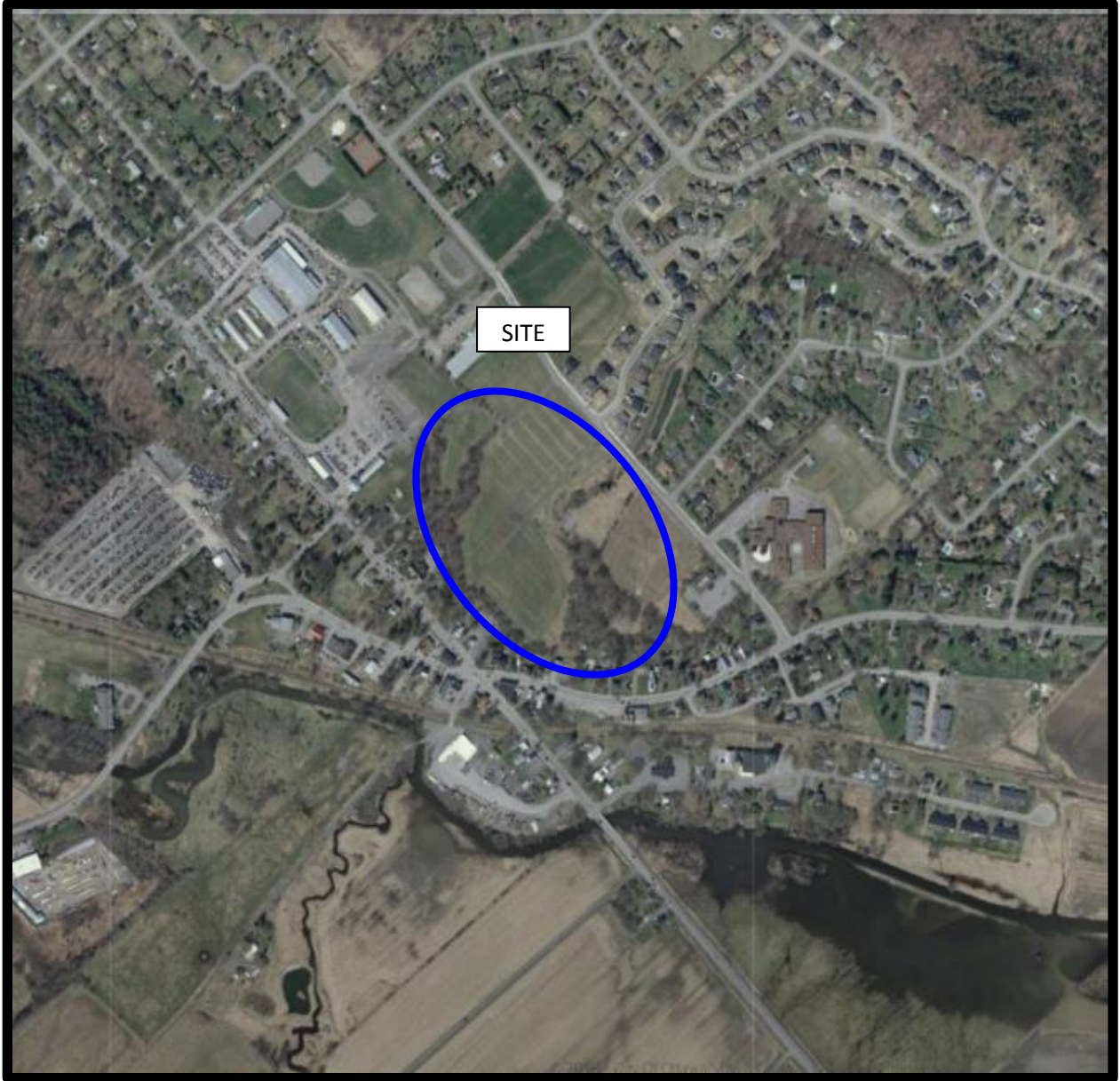
AERIAL PHOTOGRAPH
1976



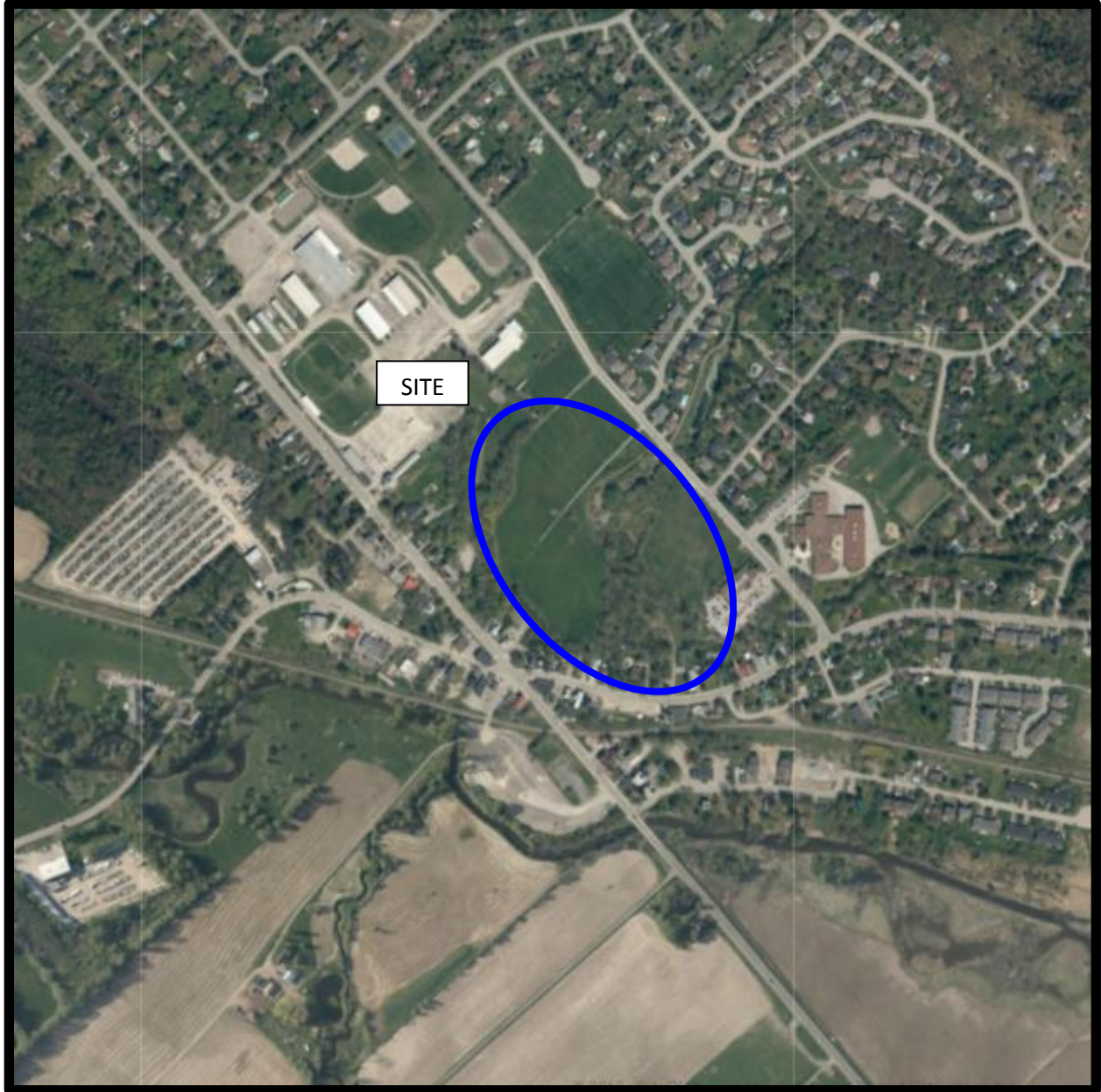
AERIAL PHOTOGRAPH
1983



AERIAL PHOTOGRAPH
1999



AERIAL PHOTOGRAPH
2010



AERIAL PHOTOGRAPH
2017

Site Photographs

PE4666

147 Langstaff Drive– Ottawa, ON

July 2, 2019



Photograph 1: South east view of the subject site, taken from Langstaff Drive.



Photograph 2: Southcentral view of the subject site, taken from Langstaff Drive.

Site Photographs

PE4666

147 Langstaff Drive– Ottawa, ON

July 2, 2019



Photograph 3: Southern view of the subject site, looking south.



Photograph 4: Southern view of the subject site.

Site Photographs

PE4666

147 Langstaff Drive– Ottawa, ON

July 2, 2019



Photograph 5: Northwestern view of the subject site.



Photograph 6: Northern view of the subject site, looking towards Langstaff Drive.

APPENDIX 2

MECP FREEDOM OF INFORMATION

TSSA CORRESPONDENCE

HLUI RESPONSE

MECP WELL RECORDS

Ministry of the Environment,
Conservation and Parks

Ministère de l'Environnement, de
la Protection de la nature et des
Parcs

Access and Privacy Office

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

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



July 5, 2019

Mandy Witteman
Paterson Group Inc.
154 Colonnade Road
Ottawa, ON K2E 7J5

Dear Mandy Witteman:

RE: ***Freedom of Information and Protection of Privacy Act Request***
Our File # A-2019-04512, Your Reference PE4666

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 147 Langstaff Drive, Carp.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions 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 Dany Briollais at 416-314-4075 or dany.briollais@ontario.ca.

Yours truly,

A handwritten signature in black ink, appearing to read "JD" or "Janet Dadufalza".

Janet Dadufalza
Manager, Access and Privacy

Mandy Witteman

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: July-02-19 1:47 PM
To: Mandy Witteman
Subject: Re: Search Records Request (PE4666) (No Record)

Hello,

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 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 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.

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.

Thank you and have a great day,

Roxana



Public Information Agent

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationsservices@tssa.org

www.tssa.org



From: Mandy Witteman <MWitteman@Patersongroup.ca>
Sent: July 2, 2019 12:24 PM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: Search Records Request (PE4666)

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 in Ottawa, ON:

Langstaff Drive: 147, 119, 118

Carp Rd: 3806, 3790, 3709

Cavanagh Dr: 105, 102

Donald B. Munro Dr: 405

Thank you.

Cheers,

Mandy Witteman

paterongroup
solution oriented engineering
over 60 years servicing our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381 Ext. 339
Cell: (403) 921-1157

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.

patersongroup

Consulting Engineers

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

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

www.patersongroup.ca

July 4, 2019
File: PE4666-HLUI

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

Subject: **Authorization Letter, HLUI Search
Phase I-Environmental Site Assessment
147 Langstaff Drive, Ottawa ON**

Dear Sir or Madame,

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

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

Name of Company/Property Owner:

Inveness Home S

Name of Representative

Alison Stirling

Authorization of Representative

Alison Stirling

Date

July 4/19

UTM 18 Z 418880 E
5 R 5021540 N
 Elev. 4 R 0320
 Basin 25



RECEIVED
 DEC 23 1954
 GEOLOGICAL BRANCH
 DEPARTMENT OF MINES

No. 3075

The Water-well Drillers Act, 1954
 Department of Mines

Water-Well Record

County or Territorial District Caledon Township, Village, Town or City Huntley
 Village, Town or City Carp
 Address Carp Ont

(day) 9 (month) 9 (year) 1954
Pipe and Casing Record

Pumping Test

Casing diameter (s) 3 in Static level 28
 Length (s) 121 ft Pumping rate 300 gal per hr
 Type of screen Pumping level 40 ft
 Length of screen Duration of test 2 hrs

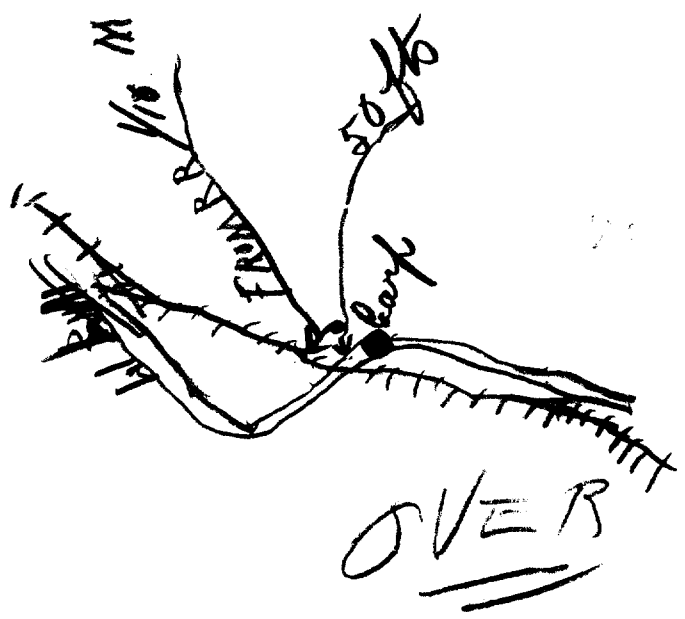
Well Log

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)
<u>Sand</u>	<u>0</u>	<u>80</u>	<u>184</u>	<u>156</u>	<u>Fresh</u>
<u>Gravel</u>	<u>80</u>	<u>120</u>			
<u>Gray Limestone</u>	<u>120</u>	<u>124</u>			

For what purpose(s) is the water to be used? house
 Is water clear or cloudy? clear
 Is well on upland, in valley, or on hillside? hillside
 Drilling firm J B Despres
 Address 1826 Carling Ottawa
 Name of Driller J Corbett
 Address 665 Highmore
 Licence Number 395
 I certify that the foregoing statements of fact are true.
 Date Dec 9/54 J Corbett
 Signature of Licensee

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



UTM 68 Z 419140 E

5 R 5021480 N

Elev. 4 R 0320

Basin 25



ONTARIO

RECEIVED
DEC 23 1954 15
GEOLOGICAL BRANCH
DEPARTMENT of MINES

No. 3076
ve

The Water-well Drillers Act, 1954
Department of Mines

Water-Well Record

County or Territorial District Carleton Township, ~~Village, Town or City~~ Huntley
Village, Town or City Carleton Place
Address Carleton Place

(day) 14 (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter (s) 3 in
Length (s) 163
Type of screen
Length of screen

Static level 34
Pumping rate 400 Gal per hr
Pumping level 50 ft
Duration of test 3 hrs

Well Log

Water Record

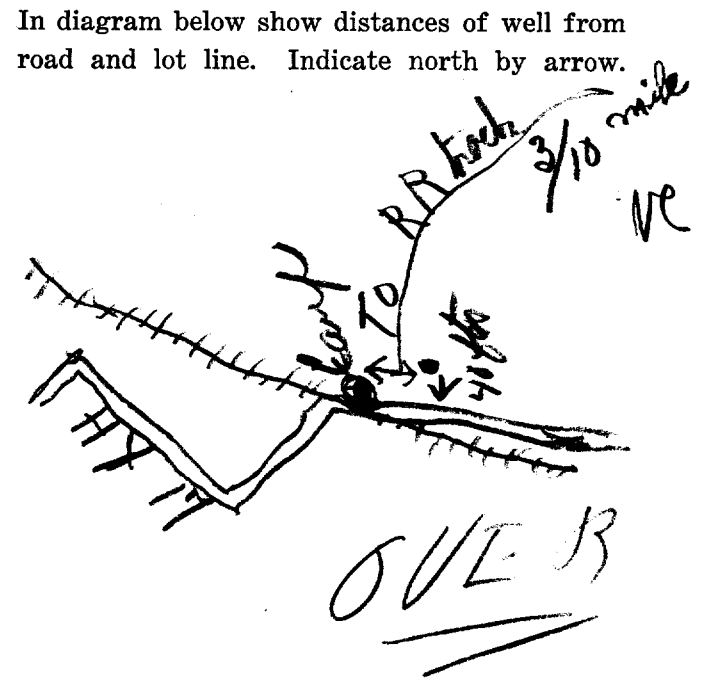
Overburden and Bedrock Record	From ft.	To ft.	Depth (s) at which water (s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
<u>Clay</u>	<u>0</u>	<u>43</u>	<u>175</u>	<u>141</u>	<u>Fresh</u>
<u>Sand</u>	<u>43</u>	<u>90</u>			
<u>Gravel and boulders</u>	<u>90</u>	<u>163</u>			
<u>Gray limestone</u>	<u>163</u>	<u>175</u>			

For what purpose(s) is the water to be used? Home
Is water clear or cloudy? Clear
Is well on upland, in valley, or on hillside? Hillside
Drilling firm J. B. Desjardins
Address 7187a Carleton Place
Ottawa
Name of Driller J. Corneille
Address 665 Belmore
Ottawa
Licence Number 395

I certify that the foregoing statements of fact are true.

Date Dec 14/54 J. Corneille
Signature of Licensee

Location of Well



UTM 18Z 418740

5R 5021660N

Elev. 4R 0350

Basin 25 7

LOT 18



The Water-well Drillers Act, 1954
Department of Mines

15 No. 3077
GROUND WATER BRANCH
OCT 28 1958
ONTARIO WATER RESOURCES COMMISSION

Water-Well Record

Ship, Village, Town or City ~~Carp Ont.~~ HUNTLEY

in Village, Town or City

Address RR2, Kinburn

Date completed May II, 1958
(day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s) 5"
Length(s) 75 ft.
Type of screen none
Length of screen

Static level 60'
Pumping rate 300 gph
Pumping level 80'
Duration of test 1 hr.

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)
<u>sand</u>	<u>0</u>	<u>66</u>			
<u>limestone</u>	<u>66</u>	<u>143</u>	<u>143</u>	<u>83</u>	<u>fresh</u>

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

Is water clear or cloudy? clear

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

Drilling firm F.A. McLean & Son
Address Ottawa

Name of Driller W. Kavanagh
Address

Licence Number

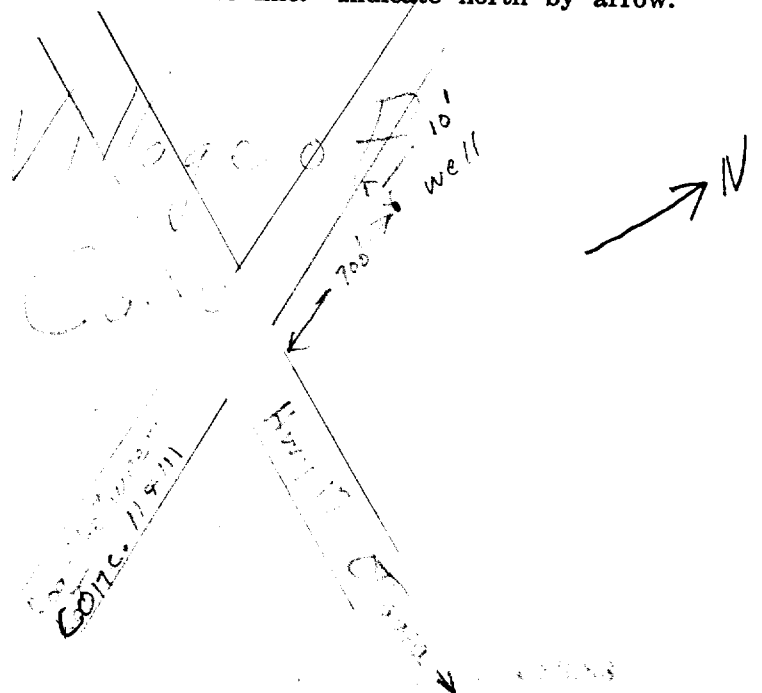
I certify that the foregoing statements of fact are true.

Signature of Licensee

Date June 9,

Location of Well

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



UTM 18Z 418960E

5R 51021420N

Elev. 187 0310

Basin 25



15 No

3080

NOV 2 1959

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District Carleton Township, Village, Town or City Kantley
 Con. 2 Lot 18 Date completed 19 Oct 59
 (day) (month) (year)
 Address Cap

Casing and Screen Record

Inside diameter of casing 5"
 Total length of casing 108'
 Type of screen
 Length of screen
 Depth to top of screen
 Diameter of finished hole 5"

Pumping Test

Static level 17'
 Test-pumping rate 10 G.P.M.
 Pumping level 25'
 Duration of test pumping 3 hours
 Water clear or cloudy at end of test clear
 Recommended pumping rate 8 G.P.M.
 with pumping level of 25'

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, sulphur)
<u>loam</u>	<u>0</u>	<u>6'</u>			
<u>Blue clay</u>	<u>6</u>	<u>60'</u>			
<u>quicksand</u>	<u>60'</u>	<u>102'</u>			
<u>Gravel</u>	<u>102</u>	<u>108</u>	<u>108'</u>	<u>91'</u>	<u>fresh</u>

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

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

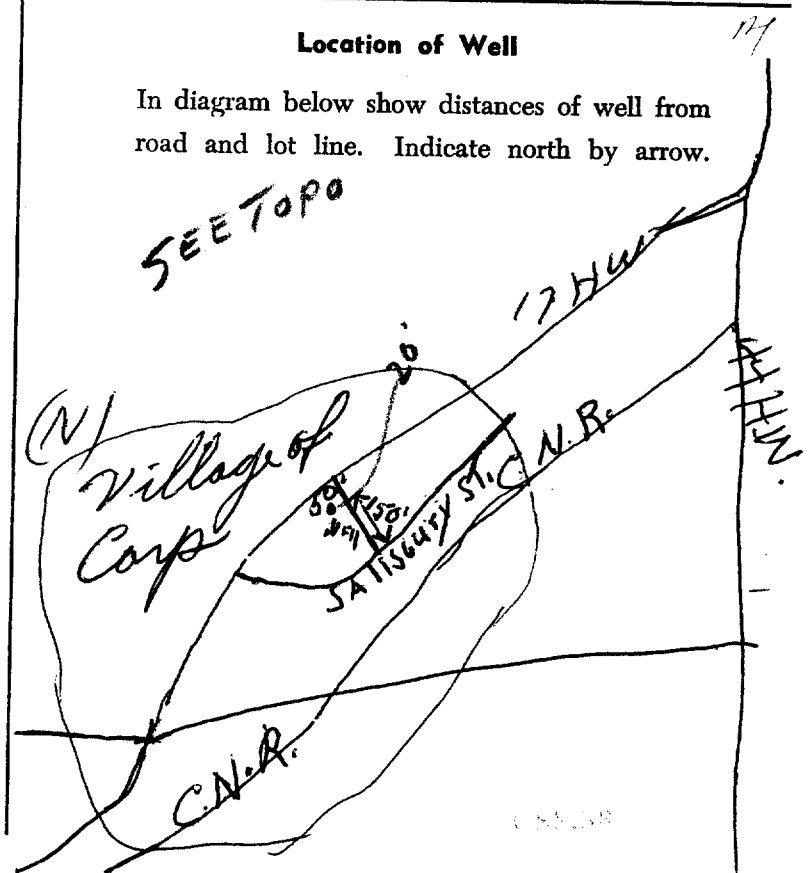
Drilling Firm D. O. Mac Hardy
Kimburn

Licence Number 270
Name of Driller Douglas Mac Hardy
Kimburn

Date Oct 29 59
Douglas Mac Hardy
(Signature of Licensed Drilling Contractor)

Location of Well

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



UTM 18Z 418880E

5R 57021400N

Elev. 19R 18310

Basin 25



GROUND WATER BRANCH
JAN 3 1960
ONTARIO WATER RESOURCES COMMISSION

15 No

C
3081

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District Carleton

Township, Village, Town or City HUNTLEY

Con. 2 Lot 18

Date completed Nov 16/59
(day month year)

Address Carp

Casing and Screen Record

Inside diameter of casing 3"
Total length of casing 82'
Type of screen
Length of screen NONE
Depth to top of screen
Diameter of finished hole 3"

Pumping Test

Static level 14'
Test-pumping rate 250 G.P.M.
Pumping level 20'
Duration of test pumping 2 hrs
Water clear or cloudy at end of test Clear
Recommended pumping rate 250 G.P.M.
with pumping level of SETTING 25'

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, sulphur)
<u>Sand</u>	<u>0</u>	<u>80</u>			
<u>Gravel Boulder</u>	<u>80</u>	<u>82</u>	<u>52</u>	<u>68</u>	<u>Clear FRESH</u>

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

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

Drilling Firm J.B. Desjardins Co. Ltd.

Address 1014 Dufferin Ave Ottawa

Licence Number 152

Name of Driller B. Desjardins

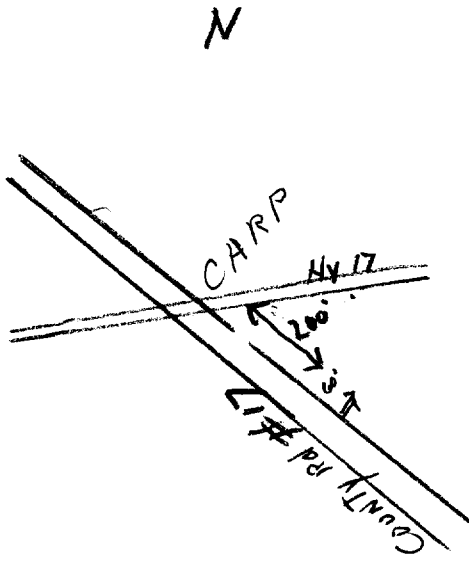
Address Ottawa

Date Oct 20/59

J.B. Desjardins
(Signature of Licensed Drilling Contractor)

Location of Well

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



UTM ²⁴¹ 18Z 418940E
 15R 5021440N
 Elev. 4R 0310
 Basin 25



GROUNDWATER BRANCH 082
 APR 6 1960
 ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District Carlton Township, Village, Town or City Huntley
 Con 2 Lot 18 Date completed March 17/60
 (day month year)
 Address Carip

Casing and Screen Record

Inside diameter of casing 6"
 Total length of casing 82'
 Type of screen NONE
 Length of screen NONE
 Depth to top of screen NONE
 Diameter of finished hole 6"

Pumping Test

Static level 10'
 Test-pumping rate 2000 G.P.M.
 Pumping level 80 FT
 Duration of test pumping 2 hrs
 Water clear or cloudy at end of test clear
 Recommended pumping rate 2000 G.P.M.
 with pumping level of 80'

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, sulphur)
<u>Sand</u>	<u>0</u>	<u>10</u>			
<u>Clay</u>	<u>10</u>	<u>35</u>			
<u>Carpyline gravel</u>	<u>35</u>	<u>82</u>	<u>82</u>	<u>72</u>	<u>fresh</u>

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

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

Drilling Firm J.B. Luffman Co. Ltd.

Address 1014 Brantford

Licence Number 565

Name of Driller W. Roy

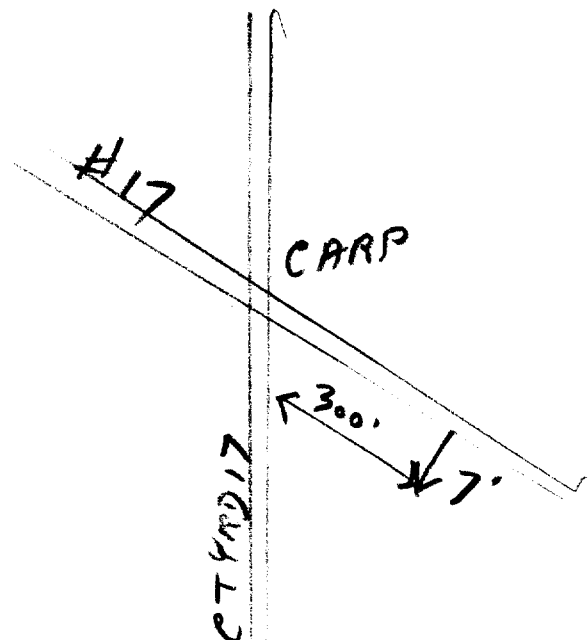
Address Hull

Date March 17/60

J.B. Luffman
 (Signature of Licensed Drilling Contractor)

Location of Well

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





GROUND WATER BRANCH
 15 No.
 FEB 20 1962
 ONTARIO WATER RESOURCES COMMISSION

3089
 X

UTM 18 Z 419140 E

5 R 5021400 N

Elev. 4 R 0320

The Ontario Water Resources Commission Act

WATER WELL RECORD

Basin 25 Carleton
 County or District

Township, Village, Town or City Huntley

Con. II Lot 18

Date completed 9 12 1961
 (day month year)

Address Carp, Ontario

Casing and Screen Record

Inside diameter of casing 6 3/16
 Total length of casing 64'
 Type of screen Nil
 Length of screen Nil
 Depth to top of screen Nil
 Diameter of finished hole 6 3/16

Pumping Test

Static level 5'
 Test-pumping rate 500 GPM
 Pumping level 40'
 Duration of test pumping 1 Hr.
 Water clear or cloudy at end of test Clear
 Recommended pumping rate 500 GPM
 with pump setting of 40' feet below ground surface

Well Log

Overburden and Bedrock Record	Water Record			
	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay	0	30	64'	Fresh
Clay & Sand	30	40		
Sand & Gravel	40	60		
Gravel	60	64		

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

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

Drilling or Boring Firm J. E. Dufresne & Co. Ltd.
 1014 Maitland Ave.

Address Ottawa, Ont.

Licence Number 194

Name of Driller or Borer W. Roy

Address Hull, Que.

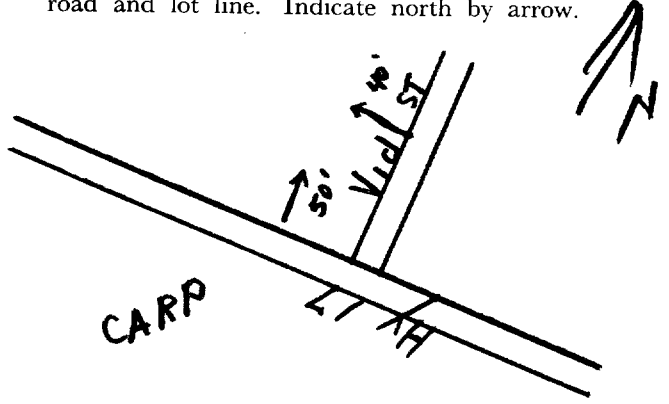
Date Dec. 9th. 1961

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

Form 7 15M Sets 60-5930

Location of Well

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



ONLY STREET EAST,
 IN VILLAGE

OWRC COPY



GROUND WATER BRANCH
 15 No 3084
 JUN 1 1962
 ONTARIO WATER RESOURCES COMMISSION

UTM 18Z 418850E

5R 5021520N

Elev. 4R 0360

The Ontario Water Resources Commission Act

WATER WELL RECORD

Basin 25
 County or District Carleton

Township, Village, Town or City HUNTCLEY

Con. 2 Lot 18

Date completed 11 4 1962
 (day month year)

Address Carp, Ontario

Casing and Screen Record

Inside diameter of casing 6 3/16
 Total length of casing 64'
 Type of screen N
 Length of screen 0
 Depth to top of screen N
 Diameter of finished hole E 6 3/16

Pumping Test

Static level 13'
 Test-pumping rate 500 gal P.H. G.P.M.
 Pumping level 50'
 Duration of test pumping 1 hr.
 Water clear or cloudy at end of test clear
 Recommended pumping rate 5 G.P.M.
 with pump setting of 60' feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay	0	20	64	fresh
Yellow Sand	20	60		
Gravel	60	64		

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

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

Drilling or Boring Firm J.B. Dufresne & Co. Ltd.
 1014 Maitland Ave.

Address Ottawa, Ontario.

Licence Number 194

Name of Driller or Borer R. Laniel

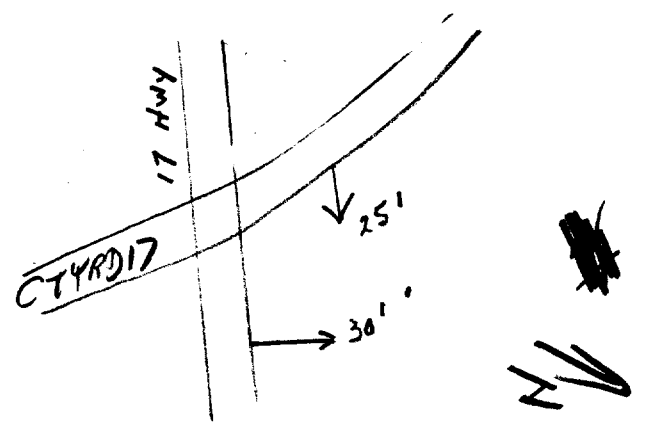
Address 18 Trudeau St. Hull, Que

Date April 12, 1962

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

Location of Well

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





GROUND WATER BRANCH
 JUN 1 1962 No. 3085
 ONTARIO WATER RESOURCES COMMISSION

UTM 18Z 419180E

5R 5021520N

The Ontario Water Resources Commission Act

Elev. 4R 10320

WATER WELL RECORD

Basin 25
 County or District Carl

Township, Village, Town or City ~~Carp~~ Huntley

Con. 2 Lot 18

Date completed 7 May 62
 (day month year)

Address Carp Ont

Casing and Screen Record

Inside diameter of casing 5"
 Total length of casing 91
 Type of screen
 Length of screen
 Depth to top of screen
 Diameter of finished hole 5"

Pumping Test

Static level 24
 Test-pumping rate 10 G.P.M.
 Pumping level 24
 Duration of test pumping 2 days
 Water clear or cloudy at end of test clear
 Recommended pumping rate 10 G.P.M.
 with pump setting of 70 feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record

	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
sand	0	10	91	fresh
Clay	10	69		
sand medium	69	91		

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

household

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

upland

Drilling or Boring Firm Capital Water Supply

Address 1243 Heron Rd
 Ottawa

Licence Number 482

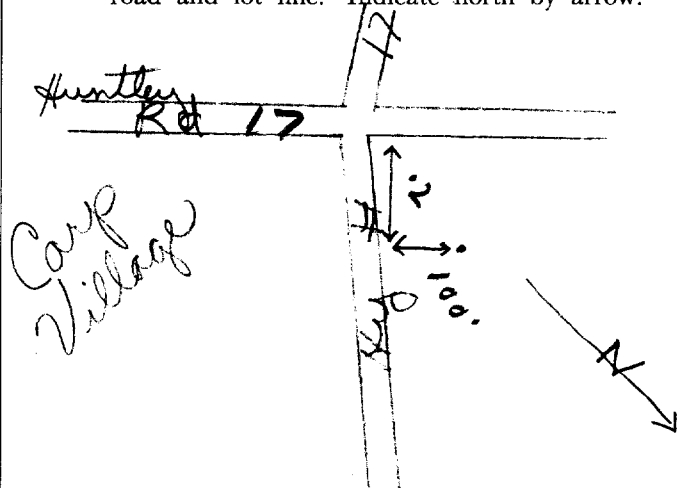
Name of Driller or Borer M. Kavanagh

Date 7th May 1962

Walter Kavanagh
 (Signature of Licensed Drilling or Boring Contractor)

Location of Well

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





GROUND WATER BRANCH
 15 No. 3086
 FEB 26 1969
 ONTARIO WATER RESOURCES COMMISSION

UTM *iv* 18Z 418970E

5R 5021360N

The Ontario Water Resources Commission Act

Elev. 0211 0310

WATER WELL RECORD

Basin *hot 18*
 County or District *Pakenham*

Township, Village, Town or City *Hentley*
 Date completed *20* (day) *Dec* (month) *1962* (year)

Con. *2* Lot *18*

Address *Carp*

Casing and Screen Record

Inside diameter of casing *6 1/4"*
 Total length of casing *85'*
 Type of screen *# 12*
 Length of screen *4'*
 Depth to top of screen *81'*
 Diameter of finished hole *6 1/4"*

Pumping Test

Static level *706"*
 Test-pumping rate *19* G.P.M.
 Pumping level *10 ft.*
 Duration of test pumping *2 hrs.*
 Water clear or cloudy at end of test *clear*
 Recommended pumping rate *10* G.P.M.
 with pump setting of *20* feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record

course sand
fine "

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

0
30

30
85

85

fresh

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

domestic

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

valley

Drilling or Boring Firm *A. Stanton*

Address *Pakenham*

Licence Number *643*

Name of Driller or Borer *A. Stanton*

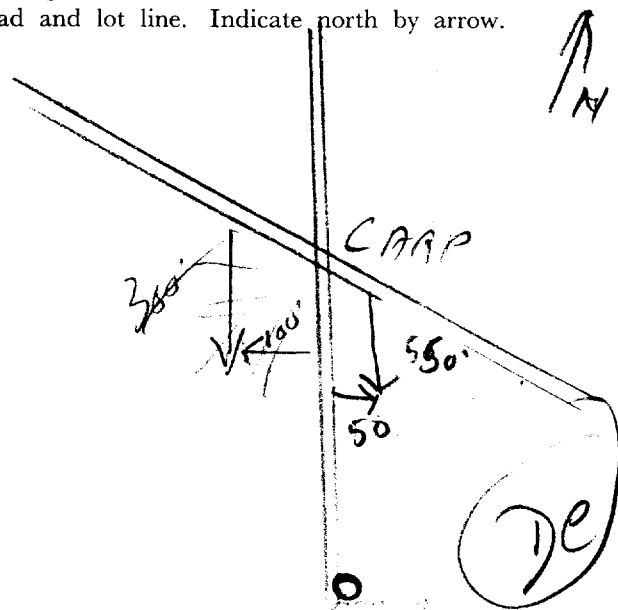
Address *Pakenham*

Date *Dec 20/62*

Austin Stanton
 (Signature of Licensed Drilling or Boring Contractor)

Location of Well

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





GROUND WATER BRANCH
 1517 No. 3088
 ONTARIO WATER RESOURCES COMMISSION

UTM 18Z 418820E

5R 5021549N

The Ontario Water Resources Commission Act

Elev. 4R 0320

WATER WELL RECORD

Basin 25 | County or District Carleton | Township, Village, Town or City Huntley

Con. 2 | Lot 146 Main Street | Date completed 25 NOV 63 (day month year)

Address Carp, Ontario.

Casing and Screen Record

Inside diameter of casing 6 3/16"
 Total length of casing ~~106~~
 Type of screen -
 Length of screen -
 Depth to top of screen -
 Diameter of finished hole 6"

Pumping Test

Static level 14 feet
 Test-pumping rate 17 G.P.M.
 Pumping level 82'
 Duration of test pumping 1 hour
 Water clear or cloudy at end of test clear
 Recommended pumping rate 17 G.P.M.
 with pump setting of 70 feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay	0	40	104	fresh
Sand	40	75		
Gravel	75	106		

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

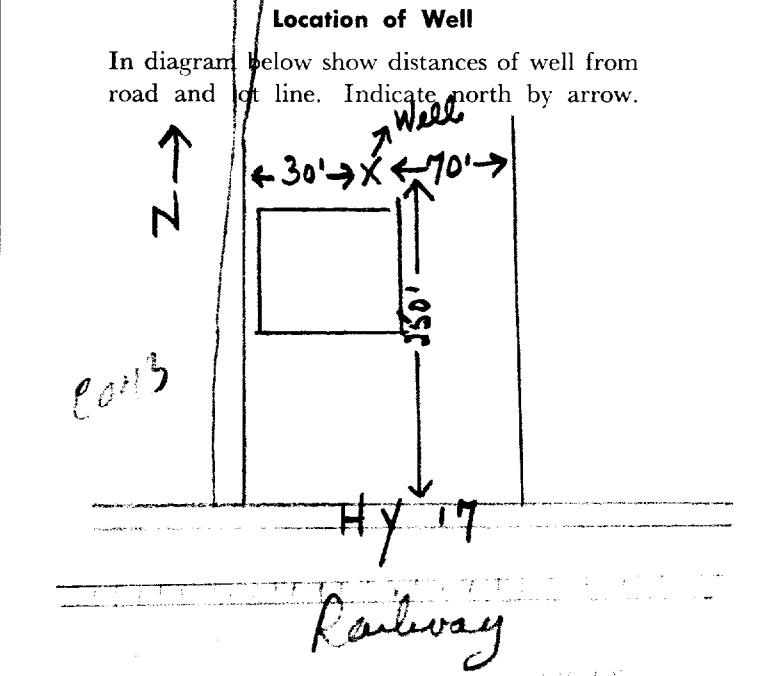
Is well on upland, in valley, or on hillside? Hillside

Drilling or Boring Firm J.B. Dufresne & Co. Ltd.,
 Address 1014 Maitland Ave.,
Ottawa 5, Ont.

Licence Number 1032

Name of Driller or Borer W. Roy
 Address 79 St. Jean Baptiste, Deschenes,
Quebec.
 Date 28 November 1963

(Signature of licensed Drilling or Boring Contractor)
J.B. Dufresne





UTM 18 Z 419 100 E

5 R 5021420 N

Elev. 4 R 0315

Basin 25
County or District Carleton

Con. 2 Lot 18

The Ontario Water Resources Commission Act

WATER RESOURCES
DIVISION No. 15
JUN 17 1965
ONTARIO WATER
RESOURCES COMMISSION

3089

WATER WELL RECORD

Township, Village, Town or City Carp
Date completed 17 (day) March (month) 1965 (year)

Address Carp

Casing and Screen Record

Inside diameter of casing 6 1/4"
Total length of casing 157'
Type of screen ✓
Length of screen ✓
Depth to top of screen ✓
Diameter of finished hole 6"

Pumping Test

Static level 20'
Test-pumping rate 10 G.P.M.
Pumping level 70'
Duration of test pumping 2 hrs.
Water clear or cloudy at end of test clear
Recommended pumping rate 10 G.P.M.
with pump setting of 70 feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Loam clay Blue	0	10	184	fresh
fine sand	10	60		
grey limestone	60	157		
	157	184		

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

NEW house

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

Drilling or Boring Firm A. Stanton

Address 109 Kenham

Licence Number 1691

Name of Driller or Borer same

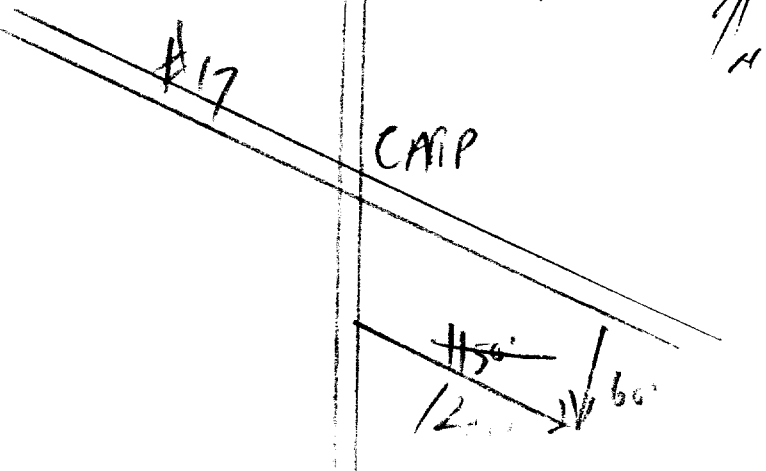
Address same

Date March 17/65

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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





UTM 18Z 418670E

5R 5021740N

The Ontario Water Resources Commission Act

Elev. 4R 0320

WATER WELL RECORD

15 NO 3090
WATER RESOURCES DIVISION
JUN 17 1965
ONTARIO WATER RESOURCES COMMISSION

Basin 25
County or District Carleton

Township, Village, Town or City

Con. 2 Lot 18

Date completed 25 May 1965
(day month year)

Address Carp

Casing and Screen Record

Pumping Test

Inside diameter of casing 6 1/4"
Total length of casing 69'
Type of screen ✓
Length of screen ✓
Depth to top of screen ✓
Diameter of finished hole 6 1/4"

Static level 18'
Test-pumping rate 12 G.P.M.
Pumping level 26'
Duration of test pumping 2 hrs.
Water clear or cloudy at end of test clear
Recommended pumping rate 10 G.P.M.
with pump setting of 45 feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record

	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
loam	0	30		
fine sand	30	65	69	fresh
course sand	65	69		

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

domestic HALL

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

Drilling or Boring Firm A. Stanton

Address Pakenham

Licence Number 1691

Name of Driller or Borer A. Stanton

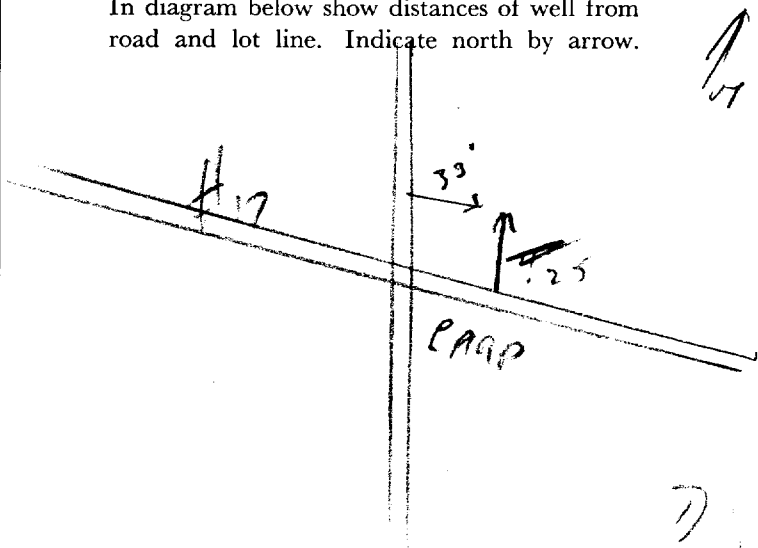
Address Pakenham

Date May 25/65

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



UTM 18 A 418990 E



15 No 3091

5R 5021380N

The Ontario Water Resources Commission Act

Elev. 4R 0310

WATER WELL RECORD

Basin 25
County or District Carleton

Township, Village, Town or City Huntley

Con. 2 Lot. ~~28 Main St.~~ 18 Date completed 19 Oct. 1965
(day month year)

Address Carp, Ont.
28 Main St

Casing and Screen Record

Inside diameter of casing 6-3/16"

Total length of casing 66'

Type of screen x

Length of screen x

Depth to top of screen x

Diameter of finished hole 6-3/16"

Pumping Test

Static level 21 GPM

Test-pumping rate 600 hr. GPM

Pumping level 40

Duration of test pumping 1/2 hr.

Water clear or cloudy at end of test clear

Recommended pumping rate 600 hr. GPM

with pump setting of 60 feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
clay	0	20	66	fresh
sand	20	55		
gravel sand	55	64		
gravel	64	66		

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

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

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

1014 Mainland Ave.

Address Ottawa, Ont.

Licence Number 1307

Name of Driller or Borer W. Roy

Address

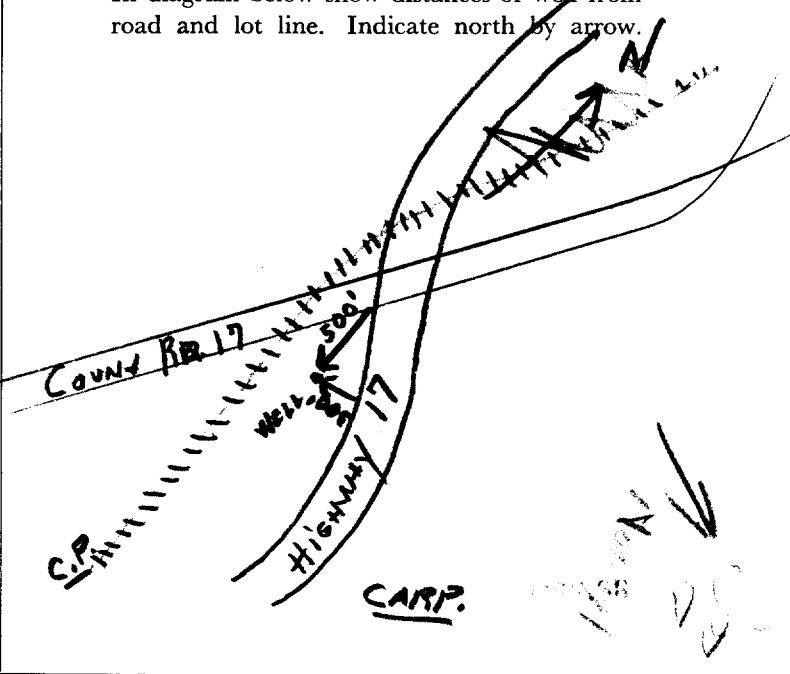
Date October 20th 1965

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

Form 7 15M-60-4138

Location of Well

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



UTM 18 419140
5 R 5021440
 Elev. 4 R 0320



WATER RESOURCES
 DIVISION No. 3092
 15
 NOV 30 1965
 ONTARIO WATER
 RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

Basin 25 County or District Carleton Township, Village, Town or City Huntley
 Con. 2 Lot 18 Date completed 21st October 1965
 (day month year)
 Address Kidd St., Carp, Ontario.

Casing and Screen Record

Inside diameter of casing 6 and 3/16
 Total length of casing 95'
 Type of screen -
 Length of screen -
 Depth to top of screen -
 Diameter of finished hole 6 and 3/16

Pumping Test

Static level 30
 Test-pumping rate 2000 G.P.H. - G.P.M.
 Pumping level 21
 Duration of test pumping 2 hours
 Water clear or cloudy at end of test clear
 Recommended pumping rate 2000 G.P.H. 56 G.P.M.
 with pump setting of 21 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.
<u>clay</u>	<u>0</u>	<u>30</u>
<u>sand</u>	<u>30</u>	<u>80</u>
<u>boulders</u>	<u>80</u>	<u>85</u>
<u>gravel sand</u>	<u>85</u>	<u>95</u>

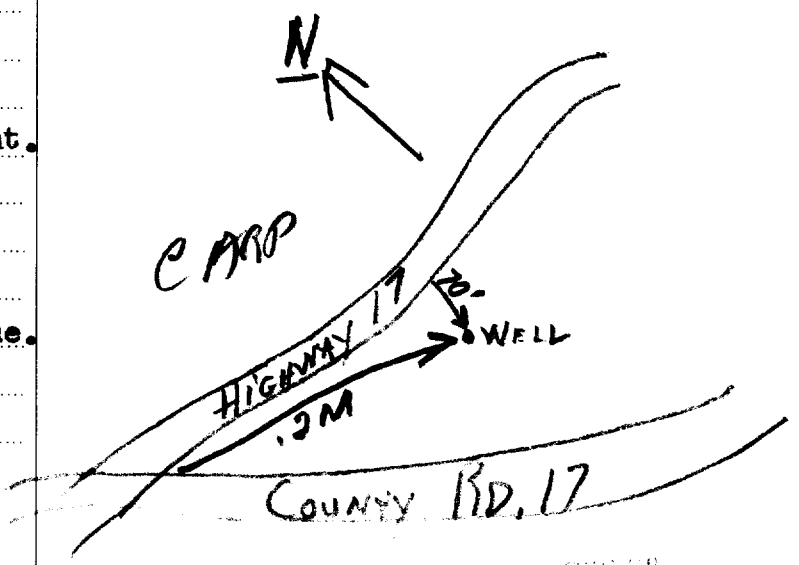
Water Record

Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>95</u>	<u>fresh</u>

For what purpose(s) is the water to be used? house
 Is well on upland, in valley, or on hillside? hillside
 Drilling or Boring Firm J.B. Dufresne & Co. Ltd.
 Address 1014 Maitland Ave., Ottawa, Ont.
 Licence Number 1307
 Name of Driller or Borer W. Roy
 Address 79 St-Jean Baptiste Deschenes, Que.
 Date October 21st, 1965
 for J.B. Dufresne & Co. Ltd.
 (Signature of Licensed Drilling or Boring Contractor)

Location of Well

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





UTM 18 ^Z 419160 ^E

WATER RESOURCES DIVISION NO. 3095
NOV 8 1966
HUNTLEY
ONTARIO WATER RESOURCES COMMISSION

5 ^R 5021520 ^N

The Ontario Water Resources Commission Act

Elev. 4 ^R 0330

WATER WELL RECORD

Basin 25
County or District Carleton Place

Township, Village, Town or City

Con. 72 Lot 17

Date completed 29 (day) Aug (month) 1966 (year)

Address Carp

Casing and Screen Record

Pumping Test

Inside diameter of casing 6 1/4"
Total length of casing 98
Type of screen ✓
Length of screen ✓
Depth to top of screen ✓
Diameter of finished hole 6 1/4"

Static level 22
Test-pumping rate 10 G.P.M.
Pumping level 28
Duration of test pumping 1 hr
Water clear or cloudy at end of test clear
Recommended pumping rate 10 G.P.M.
with pump setting of 70 feet below ground surface

Well Log

Water Record

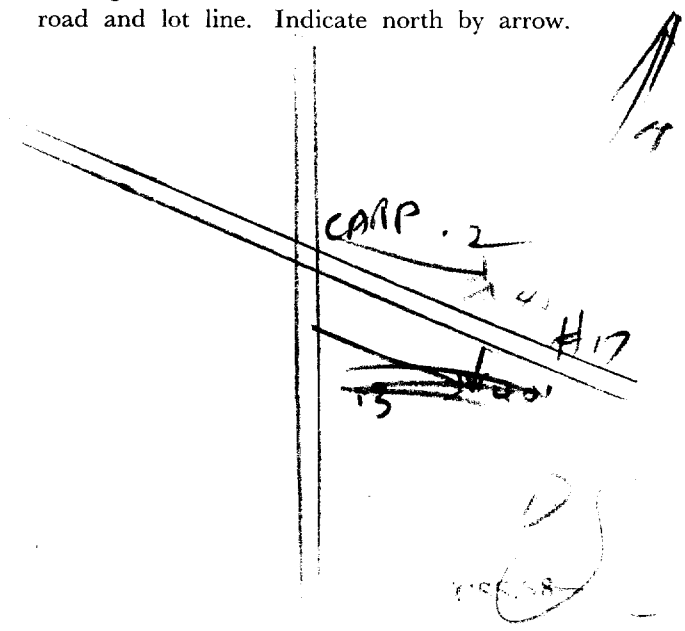
Overburden and Bedrock Record

	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>fine sand</u>	<u>0</u>	<u>95</u>	<u>98</u>	<u>fresh</u>
<u>course sand</u>	<u>95</u>	<u>98</u>		

For what purpose(s) is the water to be used? house
Is well on upland, in valley, or on hillside? upland
Drilling or Boring Firm A. S. STANTON
Address Pakenham
Licence Number 2180
Name of Driller or Borer same
Address "
Date Aug 29/66
A. Stanton
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Ref 300 242



15 No 3094

UTM 5 18 2 4 1 8 9 4 0 E

5 R 5 0 2 1 5 4 0 N

The Ontario Water Resources Commission Act

Elev. 4 R 0 3 2 0

WATER WELL RECORD

Basin 25
County or District *Carleton*

Township, Village, Town or City *Huntley*

Con. 2 Lot 18

Date completed 12 Dec 1966
(day month year)

Owner *Huntley Public School Area*
(print in block letters)

Address *Corp.*

Casing and Screen Record

Pumping Test

Inside diameter of casing *6 1/4"*
Total length of casing *198'*
Type of screen ✓
Length of screen ✓
Depth to top of screen ✓
Diameter of finished hole *6"*

Static level *43'*
Test-pumping rate *15* G.P.M.
Pumping level *43' - 9"*
Duration of test pumping *8 hrs.*
Water clear or cloudy at end of test *clear*
Recommended pumping rate *30* G.P.M.
with pump setting of *100* feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record

Blue clay
grey fine sand
limestone

From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
0	43	213	fresh
43	198		
198	213		

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

school

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

Drilling or Boring Firm *A. Stanton*

Address *Pakenham*

Licence Number *2180*

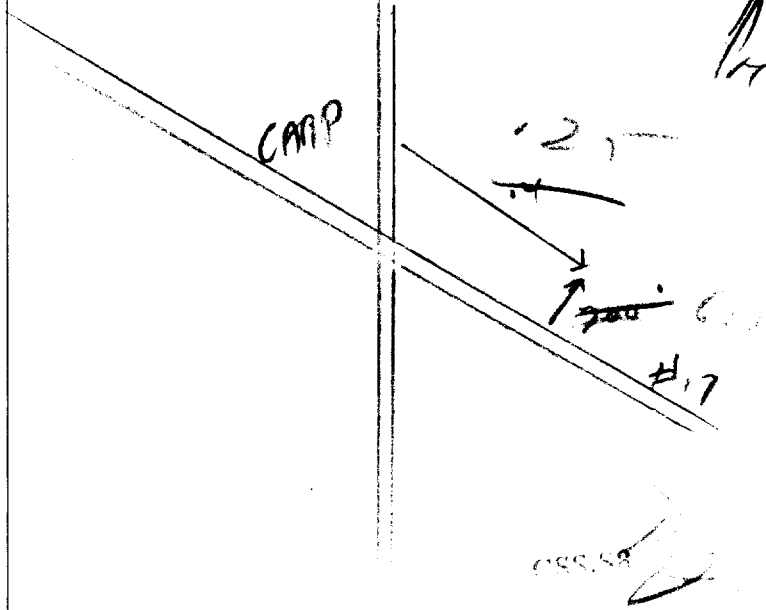
Name of Driller or Borer *same*

Date *Dec 12/66*
Quint Stott

(Signature of Licensed Drilling or Boring Contractor)

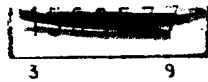
Location of Well

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



UTM 11 8Z 41 86 55E

CODED *Ben II*
Lot 18



WATER RESOURCES COMMISSION
15 No. 3095
MAY 13 1968
ONTARIO WATER RESOURCES COMMISSION

Elev. *508.17* *410.1*
0353

The Ontario Water Resources Commission Act

WATER WELL RECORD

Basin or District *Carleton*

Township, Village, Town or City *Hunter*
Date completed *26* *April* *1968*
(day month year)

Con. *R* *II* Lot *18*

Address *Carp*

Casing and Screen Record

Inside diameter of casing *4" 5"*
Total length of casing *94'*
Type of screen *✓*
Length of screen *✓*
Depth to top of screen *✓*
Diameter of finished hole *4" 5"*

Pumping Test

Static level *35'*
Test-pumping rate *10* G.P.M.
Pumping level *146'*
Duration of test pumping *1 hr.*
Water clear or cloudy at end of test *clear*
Recommended pumping rate *10* G.P.M.
with pump setting of *200* feet below ground surface

Well Log

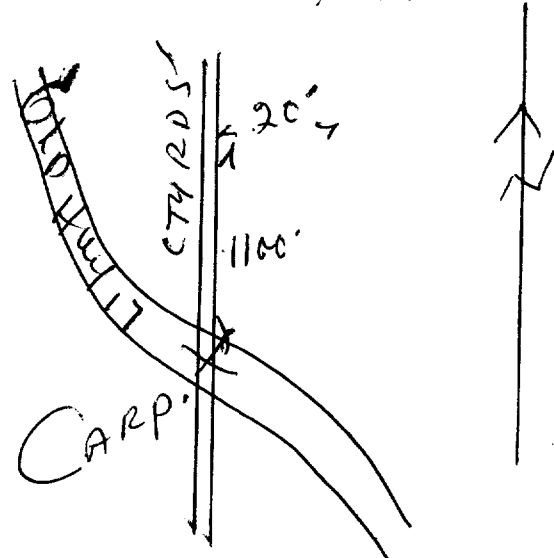
Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<i>Loam</i>	<i>0</i>	<i>6</i>	<i>163</i>	<i>fresh</i>
<i>fine sand</i>	<i>0</i>	<i>75</i>	<i>234</i>	
<i>grey limestone</i>	<i>75</i>	<i>238</i>		

For what purpose(s) is the water to be used? *fair grounds*
Is well on upland, in valley, or on hillside? *upland.*
Drilling or Boring Firm *A. Stanton*
Address *Parkman*
Licence Number *3060*
Name of Driller or Borer *SAKE*
Address
Date *April 26/68*
Quint Sturt
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



UTM *26f* 18Z 418780E



WATER RESOURCES
DIVISION 15 No 3149
1967

5R 5021450N The Ontario Water Resources Commission Act

Elev. 4R 0310 WATER WELL RECORD

Basin 25
County or District Carleton Township, Village, Town or City
Con. 3 Lot 18 Date completed 21 Oct 1966
Address Carp

Casing and Screen Record

Pumping Test

Inside diameter of casing 6 1/4"
Total length of casing 74'
Type of screen ✓
Length of screen ✓
Depth to top of screen ✓
Diameter of finished hole 6 1/4"

Static level 20'
Test-pumping rate 8 G.P.M.
Pumping level 28'
Duration of test pumping 1 hr.
Water clear or cloudy at end of test clear
Recommended pumping rate 5 G.P.M.
with pump setting of 40 feet below ground surface

Well Log

Water Record

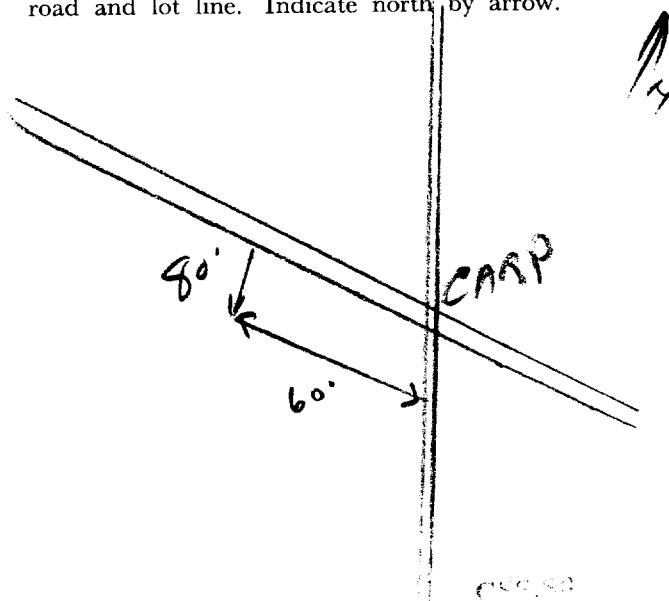
Overburden and Bedrock Record

	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
clay	0	20	74'	fresh
fine sand	20	73		
fine gravel	73	74		

For what purpose(s) is the water to be used? house + store
Is well on upland, in valley, or on hillside? valley
Drilling or Boring Firm A. Stanton
Address Parkentham
Licence Number 2180
Name of Driller or Borer SAMP
Date Oct 21/66
A. Stanton (Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



UTM 18 2 41 9 0 0 0 E



GROUND WATER BRANCH
15 No 3320
SEP 24 1962
ONTARIO WATER
SUPPLY DIVISION

9 R 5 0 2 1 4 6 0 N

The Ontario Water Resources Commission Act

Elev: 9 R 0 3 2 0

WATER WELL RECORD

Basin 25 | Carleton
County or District

Township Village, Town or City ~~Ashton~~ HUNTLEY

Con. 2 Lot 18 Date completed 3rd Sept. 1962
(day month year)

Address Corp Ont.

Casing and Screen Record

Inside diameter of casing 6 1/4"
Total length of casing 75"
Type of screen brass
Length of screen 4 ft.
Depth to top of screen 76'
Diameter of finished hole 6"

Pumping Test

Static level 30
Test-pumping rate 10 G.P.M.
Pumping level 70'
Duration of test pumping 30 min
Water clear or cloudy at end of test clear
Recommended pumping rate 3 G.P.M.
with pump setting of 65' feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>clay</u>	0	40		
<u>quick sand</u>	40	65'		
<u>course sand & pebbles</u>	65'	80	60	<u>fresh</u>

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

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

Drilling or Boring Firm Mel McLaughlin

Address Ashton Ont

Licence Number 593

Name of Driller or Borer Melville M. Laughlin

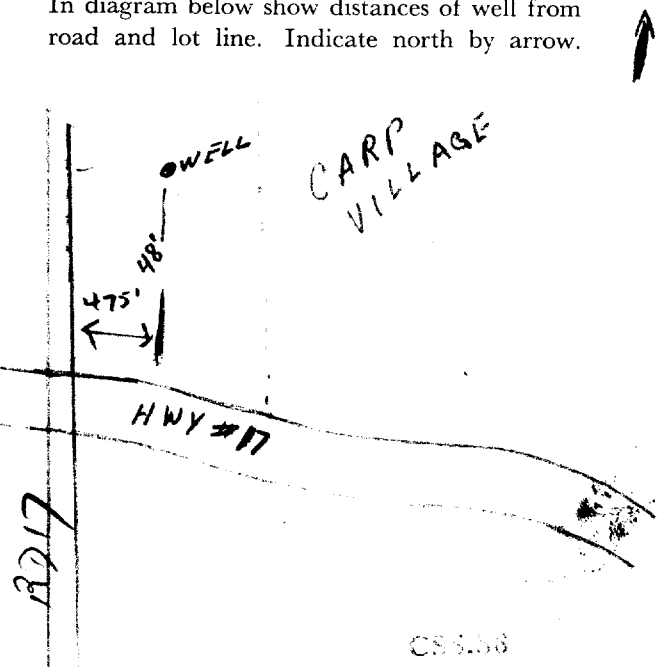
Address Ashton Ont

Date Sept 11/62

Melville M. Laughlin
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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





The Ontario Water Resources Commission Act WATER WELL RECORD

31 F8a

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11
1 2

1510530

MUNICIP.

CON.

1500530

93

COUNTY OR DISTRICT

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

CON., BLOCK, TRACT, SURVEY, ETC.

LOT

Carleton Place

Huntley

3

25-27
218

DATE COMPLETED

DAY 22 MO 1 YR 70

21580

4

0.330

5

25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
	foam			0	2
	grey fine sand			2	98
	grey limestone			98	180

31	000000	0098208	0180215
32			

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
0167	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> SALTY	<input type="checkbox"/> MINERAL
0180	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> SALTY	<input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
4.06	STEEL	.188	0	98
	STEEL			0180

SCREEN

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

61 PLUGGING & SEALING RECORD

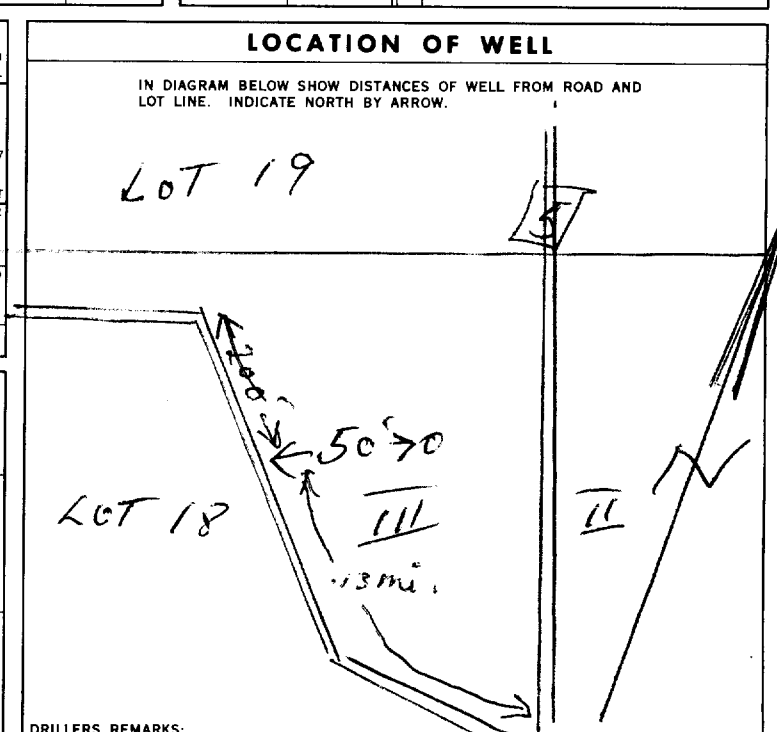
DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO	
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
<input checked="" type="checkbox"/> PUMP	0010 GPM	02 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING				
044 FEET	058 FEET	058 FEET	058 FEET	058 FEET	058 FEET	058 FEET

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input checked="" type="checkbox"/> SHALLOW	080 FEET	0010 GPM



FINAL STATUS OF WELL

<input checked="" type="checkbox"/> WATER SUPPLY	<input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
<input type="checkbox"/> OBSERVATION WELL	<input type="checkbox"/> ABANDONED, POOR QUALITY
<input type="checkbox"/> TEST HOLE	<input type="checkbox"/> UNFINISHED
<input type="checkbox"/> RECHARGE WELL	

WATER USE

<input checked="" type="checkbox"/> DOMESTIC	<input type="checkbox"/> COMMERCIAL
<input type="checkbox"/> STOCK	<input type="checkbox"/> MUNICIPAL
<input type="checkbox"/> IRRIGATION	<input type="checkbox"/> PUBLIC SUPPLY
<input type="checkbox"/> INDUSTRIAL	<input type="checkbox"/> COOLING OR AIR CONDITIONING
<input type="checkbox"/> OTHER	<input type="checkbox"/> NOT USED

METHOD OF DRILLING

<input checked="" type="checkbox"/> CABLE TOOL	<input type="checkbox"/> BORING
<input type="checkbox"/> ROTARY (CONVENTIONAL)	<input type="checkbox"/> DIAMOND
<input type="checkbox"/> ROTARY (REVERSE)	<input type="checkbox"/> JETTING
<input type="checkbox"/> ROTARY (AIR)	<input type="checkbox"/> DRIVING
<input type="checkbox"/> AIR PERCUSSION	

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
Austin Stanton	3389
ADDRESS	
39ME	
NAME OF DRILLER OR BORER	LICENCE NUMBER
	3389
SIGNATURE OF CONTRACTOR	SUBMISSION DATE
Austin Stanton	DAY 22 MO 1 YR 70

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	4806	110370
DATE OF INSPECTION	INSPECTOR	
REMARKS:		

OWRC COPY



WATER WELL RECORD

31 F/8a

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11

1512051

MUNICIP. 15.005 CON. C.P.N. 103

COUNTY OR DISTRICT: **Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Huntley** CON., BLOCK, TRACT, SURVEY, ETC.: **Main St. Carp. III** LOT: **1018**

DATE COMPLETED: DAY **30** MO **08** YR. **72**

ELEVATION: **300** BASIN CODE: **4 26** MAR 17, 1975 248

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
	Clay			0	16
	Sand	Gravel		16	64
	Sand	Gravel & Clay		64	90
Grey	Limestone			90	170

31 0016 05 0064 28 0090 28 11 05 0170 215

32

41 WATER RECORD

10-13	<input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 14
	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 19
	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 24
	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 29
	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 34
	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06	<input checked="" type="checkbox"/> STEEL	.188	0	091
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			
17-18	1 <input type="checkbox"/> STEEL			20-23
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			
24-25	1 <input type="checkbox"/> STEEL			27-30
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			

6 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0015 0020	Cement Grout
18-21	
22-25	
26-29	
30-33	
80	

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAILER

PUMPING RATE: 0003 GPM

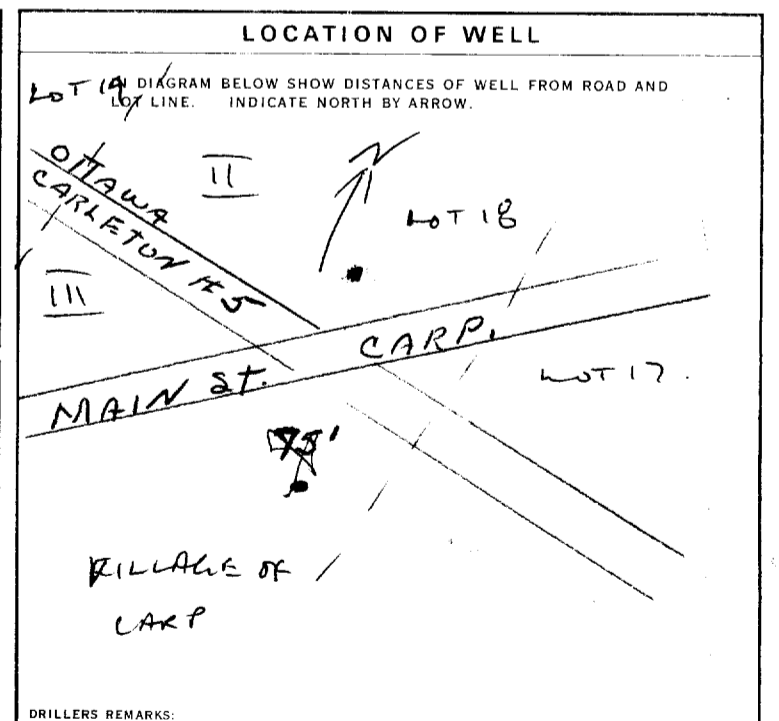
DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING RECOVERY			
033 FEET	155 FEET	15 MINUTES: 110 FEET	30 MINUTES: 080 FEET	45 MINUTES: 050 FEET	60 MINUTES: 033 FEET

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 155 FEET

RECOMMENDED PUMPING RATE: 0003 GPM



FINAL STATUS OF WELL

1 WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY

2 OBSERVATION WELL 6 ABANDONED, POOR QUALITY

3 TEST HOLE 7 UNFINISHED

4 RECHARGE WELL

WATER USE

1 DOMESTIC 5 COMMERCIAL

2 STOCK 6 MUNICIPAL

3 IRRIGATION 7 PUBLIC SUPPLY

4 INDUSTRIAL 8 COOLING OR AIR CONDITIONING

9 NOT USED

METHOD OF DRILLING

1 CABLE TOOL 6 BORING

2 ROTARY (CONVENTIONAL) 7 DIAMOND

3 ROTARY (REVERSE) 8 JETTING

4 ROTARY (AIR) 9 DRIVING

5 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: **McLean Water Supply Ltd.** LICENCE NUMBER: **3504**

ADDRESS: **1532 Raven Ave., Ottawa, Ont.**

NAME OF DRILLER OR BORER: **M. Mallon** LICENCE NUMBER: _____

SIGNATURE OF CONTRACTOR: *A. L. Schay*

SUBMISSION DATE: DAY **5** MO **9** YR **72**

OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **3504** DATE RECEIVED: **041**

DATE OF INSPECTION: _____ INSPECTOR: _____

REMARKS: _____

P R
WI



Ontario

WATER WELL RECORD

31/80

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11 1512492 15005 CBN 02

COUNTY OR DISTRICT Carleton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Carp HUNTLEY	CON., BLOCK, TRACT, SURVEY, ETC. II	LOT Old
OWNER (SURNAME FIRST) Township of Huntley	ADDRESS Carp Ontario	DATE COMPLETED DAY 27 MO. 04 YR. 73	

ZONE EASTING NORTHING RC ELEVATION RC BASIN CODE II III IV
 1512492 18 419186 5021616 4 336 4 26 JUL 08, 1977 299

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	clay		soft	0	20
grey	clay	sand	soft	20	50
grey	sand		packed	50	150
grey	sand	stones		150	165
grey	gravel	sand & stones		165	185
black	limestone		broken	185	190
grey	limestone		med. hard	190	228
red	granite		med. hard	228	240
grey	limestone		very hard	240	260

31 002060585 00502052885 015022879 016522812 01852112812 019081571
 32 022811573 024072173 02602159073

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
0258	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

WELL DIA. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/2	1 <input checked="" type="checkbox"/> STEEL	188	0	0190
6	2 <input type="checkbox"/> GALVANIZED			
5	3 <input type="checkbox"/> CONCRETE			
5	4 <input checked="" type="checkbox"/> OPEN HOLE			
5	1 <input checked="" type="checkbox"/> STEEL	108	170	0200
5	2 <input type="checkbox"/> GALVANIZED			
5	3 <input type="checkbox"/> CONCRETE			
5	4 <input checked="" type="checkbox"/> OPEN HOLE			
5	1 <input type="checkbox"/> STEEL			
5	2 <input type="checkbox"/> GALVANIZED			
5	3 <input type="checkbox"/> CONCRETE			
5	4 <input checked="" type="checkbox"/> OPEN HOLE			

SCREEN

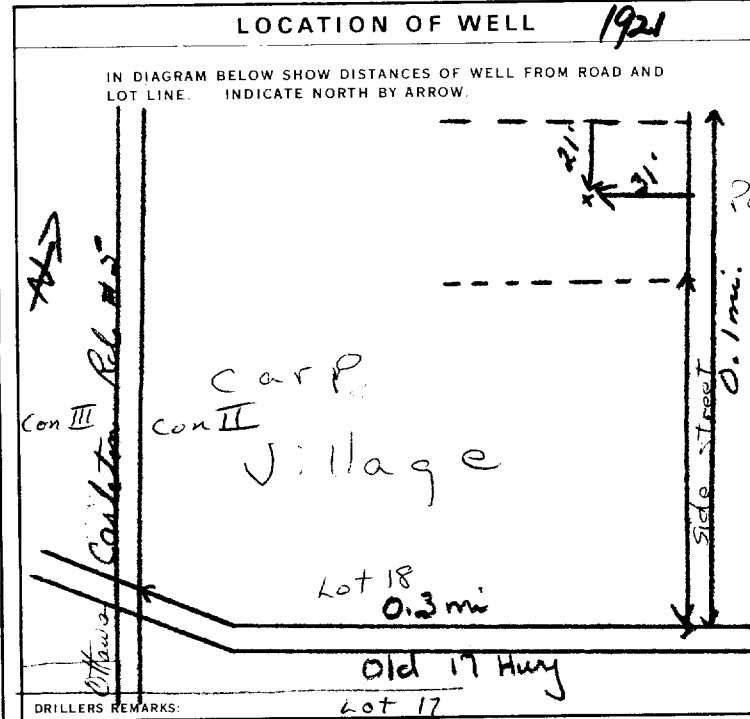
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
	FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUT LEAD PACKER, ETC.
FROM TO		
10-13	14-17	
18-21	22-25	
26-29	30-33	80

71 PUMPING TEST

PUMPING TEST METHOD 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	PUMPING RATE 0010 GPM	DURATION OF PUMPING 01 HOURS 00 MINS
STATIC LEVEL 037 FEET	WATER LEVEL END OF PUMPING 070 FEET	WATER LEVELS DURING PUMPING
15 MINUTES 050 FEET	30 MINUTES 070 FEET	45 MINUTES 070 FEET
60 MINUTES 070 FEET	IF FLOWING, GIVE RATE	
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 090 FEET	RECOMMENDED PUMPING RATE 0005 GPM



FINAL STATUS OF WELL 54

1 WATER SUPPLY
 2 OBSERVATION WELL
 3 TEST HOLE
 4 RECHARGE WELL

WATER USE 55-56

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

METHOD OF DRILLING 57

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

CONTRACTOR

NAME OF WELL CONTRACTOR
Capital Water Supply Ltd.

ADDRESS
Box 490, Stittsville, Ontario, K0A 3G0

NAME OF DRILLER OR BORER
Jim Moore

LICENCE NUMBER
1558

SIGNATURE OF CONTRACTOR
Halton K...

SUBMISSION DATE
DAY **30** MO. **4** YR. **73**

OFFICE USE ONLY

DATA SOURCE
1

CONTRACTOR
1558

DATE RECEIVED
100573

DATE OF INSPECTION
June 7, 1976

INSPECTOR
A.P. Lentney

REMARKS
APL



Ontario

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11 1514580

MUNICIPALITY 1.5005

CON. C.P.N.

LOT 02

COUNTY OR DISTRICT CARLETON County	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Huntley	CON., BLOCK, TRACT, SURVEY, ETC. 2	LOT 018
DATE COMPLETED DAY 06 MO. 03 YR. 75			48-53

1514580 18 418654 5021611 4 330 4 26 JUL 08, 1977 299

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BLACK	Top SOIL			0	1
RED	SAND			1	25
BROWN	HARD PAN			25	30
BLUE	CLAY AND GRAVEL			30	55
BROWN	GRAVEL COARSE			55	59

31 0001802 0025728 0030614 005530511 0059611

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
10-13	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	14
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	19
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	24
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	29
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	34

51 CASING & OPEN HOLE RECORD

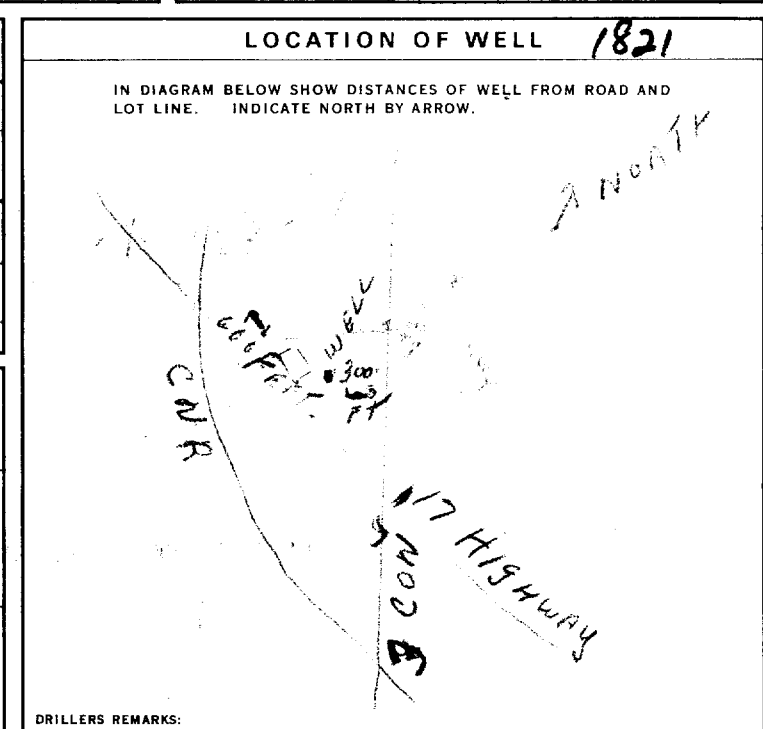
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06-11	1 <input checked="" type="checkbox"/> STEEL	12		13-16
17-18	1 <input checked="" type="checkbox"/> STEEL	19	0 0188	0 0059
24-25	1 <input type="checkbox"/> STEEL	26		27-30

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO	
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

PUMPING TEST METHOD 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	PUMPING RATE 0020 GPM	DURATION OF PUMPING 01 HOURS 00 MINS
STATIC LEVEL 024 FEET	WATER LEVEL END OF PUMPING 045 FEET	WATER LEVELS DURING PUMPING 15 MINUTES: 024 FEET 30 MINUTES: 024 FEET 45 MINUTES: 045 FEET 60 MINUTES: 045 FEET
IF FLOWING, GIVE RATE 59 GPM	PUMP INTAKE SET AT 050 FEET	WATER AT END OF TEST 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE 1 <input checked="" type="checkbox"/> SHALLOW 2 <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 050 FEET	RECOMMENDED PUMPING RATE 0005 GPM



FINAL STATUS OF WELL: 1 WATER SUPPLY

WATER USE: 1 DOMESTIC

METHOD OF DRILLING: 1 CABLE TOOL

CONTRACTOR: Delmer John Work, Licence Number 5411

NAME OF DRILLER OR BORER: Delmer John Work, Licence Number 5411

SUBMISSION DATE: DAY _____ MO. _____ YR. _____

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 5411 DATE RECEIVED: 210375

DATE OF INSPECTION: 6 Apr 76 INSPECTOR: P/R. Day

REMARKS:

P

WI



Ontario

WATER WELL RECORD

31F/8a

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE.

11

1575638

MUNICIPALITY 15005

CON. 02

COUNTY OR DISTRICT
CARLETON

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE
CARP

CON. BLOCK, TRACT, SURVEY, ETC. PLAN 218 918

CARP ONT

CARP ONT

DATE COMPLETED
DAY 17 MO 09 YR 76

ELEVATION 4 0302 4 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	SAND	GRAVEL	HARD	0	76

31 0076628/173
32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	1 <input checked="" type="checkbox"/> STEEL			
17-18	1 <input type="checkbox"/> STEEL			
24-25	1 <input type="checkbox"/> STEEL			

SCREEN

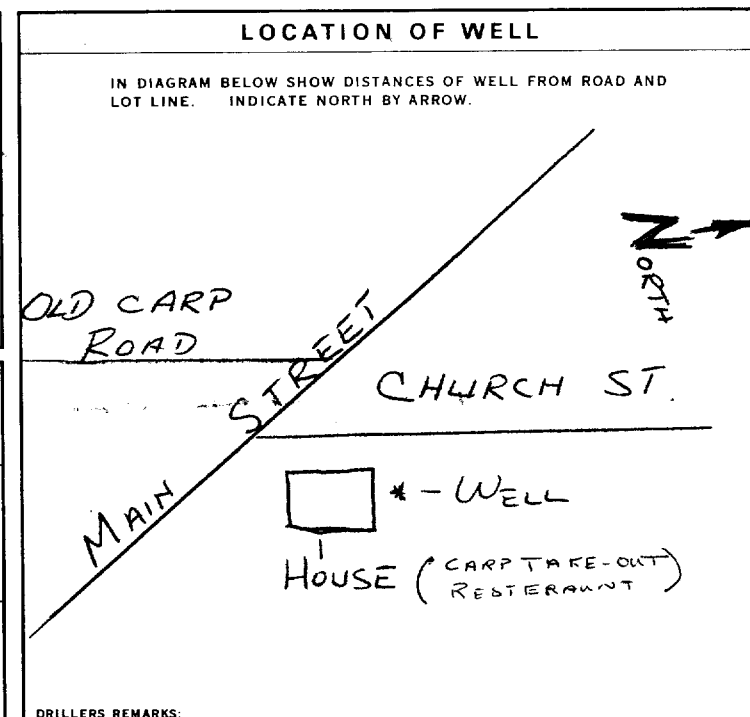
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17
18-21	22-25
26-29	30-33

71 PUMPING TEST

PUMPING METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE 0007 GPM	DURATION OF PUMPING 02 HOURS 00 MINS
STATIC LEVEL 017 FEET	WATER LEVEL END OF PUMPING 017 FEET	WATER LEVELS DURING
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT 35 FEET	WATER AT END OF TEST 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE 1 <input checked="" type="checkbox"/> SHALLOW 2 <input type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 035 FEET	RECOMMENDED PUMPING RATE 0006 GPM



FINAL STATUS OF WELL

1 WATER SUPPLY
2 OBSOLETE WELL
3 TEST ONLY
4 RECHARGE

WATER USE

1 DOMESTIC
2 STOCK
3 IRRIGATION
4 INDUSTRIAL

METHOD OF DRILLING

1 CABLE TOOL
2 ROTARY (CONVENTIONAL)
3 ROTARY (REVERSE)
4 ROTARY (AIR)
5 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: W.A. DEEVY
LICENCE NUMBER: 1703
ADDRESS: 309 ASHTON
NAME OF DRILLER OR BORER: W. DEEVY
LICENCE NUMBER: 1703
SIGNATURE OF CONTRACTOR: W.A. Deevy
SUBMISSION DATE: 25 MO. 09 YR. 76

OFFICE USE ONLY

DATA SOURCE: 1
CONTRACTOR: 1703
DATE RECEIVED: 191076
DATE OF INSPECTION: June 9/77
INSPECTOR: GKS
REMARKS: P 75
WI



Ontario

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

1575638

COUNTY OR DISTRICT CARLETON	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE CARP (March Fitzroy)	CON., BLOCK, TRACT, SURVEY, ETC. CHURCH ST	LOT 142
OWNER (SURNAME FIRST) [REDACTED]	ADDRESS CARP ONT	DATE COMPLETED DAY 17 MO. 09 YR. 76	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	SAND	GRAVEL	HARD	0	76

31	32
----	----

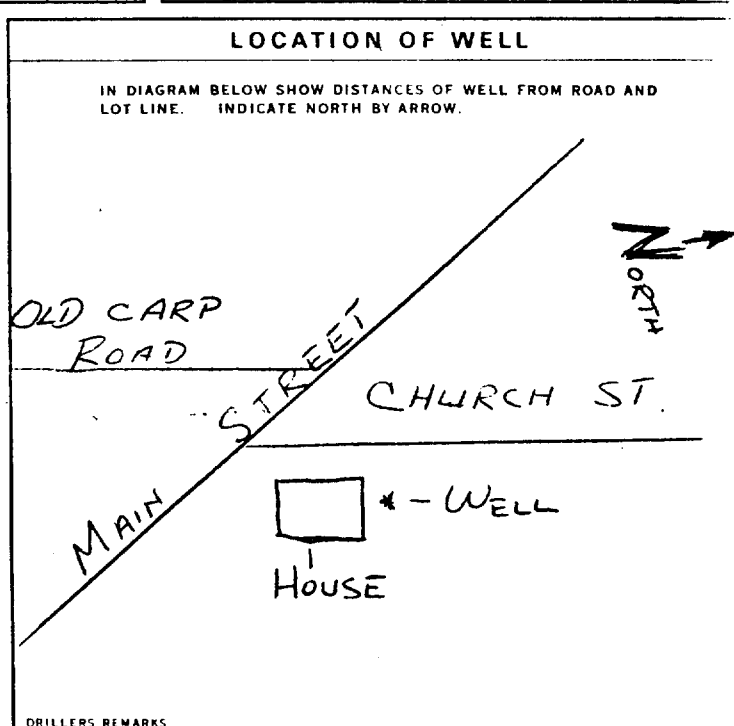
41 WATER RECORD	
WATER FOUND AT - FEET	KIND OF WATER
76	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD				
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
3	STEEL		0	76

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

61 PLUGGING & SEALING RECORD			
DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)	
FROM	TO		

71 PUMPING TEST	PUMPING TEST METHOD <input checked="" type="checkbox"/> PUMP <input type="checkbox"/> BAILER	PUMPING RATE 7 GPM	DURATION OF PUMPING 2 HOURS
	STATIC LEVEL 17 FEET	WATER LEVEL END OF PUMPING 17 FEET	WATER LEVELS DURING
	<input type="checkbox"/> PUMPING <input type="checkbox"/> RECOVERY		
	IF FLOWING, GIVE RATE GPM	PUMP INTAKE SET AT 3.5 FEET	WATER AT END OF TEST <input checked="" type="checkbox"/> CLEAR <input type="checkbox"/> CLOUDY



54 FINAL STATUS OF WELL	<input checked="" type="checkbox"/> WATER SUPPLY <input type="checkbox"/> OBSERVATION WELL <input type="checkbox"/> TEST HOLE <input type="checkbox"/> RECHARGE WELL	<input type="checkbox"/> ABANDONED - INSUFFICIENT SUPPLY <input type="checkbox"/> ABANDONED - POOR QUALITY <input type="checkbox"/> UNFINISHED
55 WATER USE	<input checked="" type="checkbox"/> DOMESTIC <input type="checkbox"/> STOCK <input type="checkbox"/> IRRIGATION <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER	<input type="checkbox"/> COMMERCIAL <input type="checkbox"/> MUNICIPAL <input type="checkbox"/> PUBLIC SUPPLY <input type="checkbox"/> COOLING OR AIR CONDITIONING <input type="checkbox"/> NOT USED
57 METHOD OF DRILLING	<input type="checkbox"/> CABLE TOOL <input type="checkbox"/> ROTARY (CONVENTIONAL) <input type="checkbox"/> ROTARY (REVERSE) <input type="checkbox"/> ROTARY (AIR) <input type="checkbox"/> AIR PERCUSSION	<input type="checkbox"/> BORING <input type="checkbox"/> DIAMOND <input checked="" type="checkbox"/> JETTING <input type="checkbox"/> DRIVING

CONTRACTOR	NAME OF WELL CONTRACTOR W.A. DEEVY	LICENCE NUMBER 1703
	ADDRESS 309 ASHTON	
	NAME OF DRILLER OR BORER W. DEEVY	LICENCE NUMBER 1703
	SIGNATURE OF CONTRACTOR <i>W.A. Deevy</i>	SUBMISSION DATE DAY 25 MO. 09 YR. 76

OFFICE USE ONLY	DATA SOURCE	CONTRACTOR	DATE 19 10 76
	DATE OF INSPECTION	INSPECTOR	
REMARKS			
	CSS.SR	P	WI



S.P.M.

WATER WELL RECORD

31F8a

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11

1515887

MUNICIPALITY 15005

CON. CAN

02

COUNTY OR DISTRICT Carleton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE West Carleton (Huntley)	CON., BLOCK, TRACT, SURVEY, ETC. 2	DATE COMPLETED DAY 01 MO 04 YR 77
ADDRESS 5 Main St. Carp, Ontario			018 35
MIN. 021480	4	ELEVATION 0320	4
BASIN CODE	26		

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	gravel	sand	fill	0	2
grey	clay	sand	soft	2	40
grey	sand		packed	40	95
grey	gravel		packed	95	100

31	000261112801	004022052885	009522879	010021179
32				

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0100	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	0100
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			27-30

SCREEN

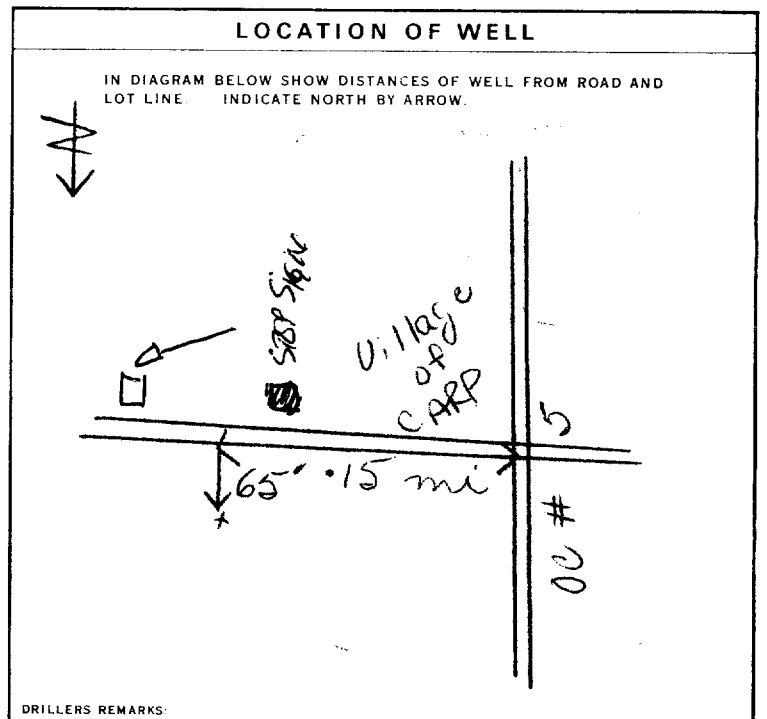
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO	
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

PUMPING TEST METHOD 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	PUMPING RATE 0030 GPM	DURATION OF PUMPING 02 HOURS 00 MINS
STATIC LEVEL 022 FEET	WATER LEVEL END OF PUMPING 030 FEET	WATER LEVELS DURING
15 MINUTES 030 FEET 30 MINUTES 030 FEET 45 MINUTES 030 FEET 60 MINUTES 030 FEET		
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	GPM	FEET
RECOMMENDED PUMP TYPE 1 <input type="checkbox"/> SHALLOW 2 <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 050 FEET	RECOMMENDED PUMPING RATE 0005 GPM



FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR Capital Water Supply Ltd.	LICENCE NUMBER 1558
ADDRESS Box 490 Stittsville, Ontario	
NAME OF DRILLER OR BORER J. Moore	LICENCE NUMBER
SIGNATURE OF CONTRACTOR <i>[Signature]</i>	SUBMISSION DATE DAY 4 NO. 4 YR 77

OFFICE USE ONLY

DATA SOURCE 1	CONTRACTOR 1558	DATE RECEIVED 100577
DATE OF INSPECTION MAY 30/78	INSPECTOR [Signature]	
REMARKS: 2 STOREY BROWN WOOD SIDED HOUSE - RED TRIM		P <input checked="" type="checkbox"/> WI

51F82

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11 1517469 MUNIC 15005 CON 02

COUNTY OR DISTRICT: Ottawa-Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: West Barleton-Huntley CON. BLOCK, TRACT, SURVEY, ETC: Plan M245
Box 161, Carp, Ontario KOA 1L0 DATE COMPLETED: DAY 07 MO 09 YR 80
ELEVATION: 02169.9 RC 4 0340 RC 4 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Clay			0	3
Brown	Sand		Dry	3	59
Gray	Granite	Red & Black Streaks	Medium	59	215

31 0003605 005962868 02152217478
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0190'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0210'	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06 6+	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	0059
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		59	0215

SCREEN

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

61 PLUGGING & SEALING RECORD

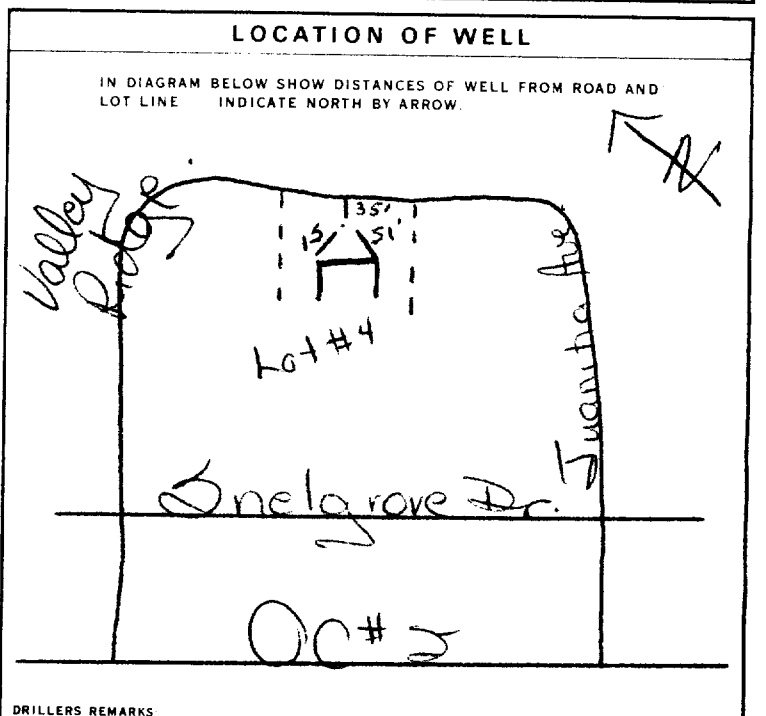
DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
FROM TO	
10-12	14-17
18-21	22-25
26-29	30-33

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAILER
PUMPING RATE: 0004 GPM DURATION OF PUMPING: 02 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING					
090 FEET	140 FEET	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES		
		26-28	29-31	32-34	35-37		
		140 FEET	140 FEET	140 FEET	140 FEET		

RECOMMENDED PUMP TYPE: SHALLOW DEEP
RECOMMENDED PUMP SETTING: 175 FEET
RECOMMENDED PUMPING RATE: 0003 PPM



FINAL STATUS OF WELL: 1 WATER SUPPLY
WATER USE: 01 1 DOMESTIC
METHOD OF DRILLING: 5 1 CABLE TOOL, 2 ROTARY (CONVENTIONAL), 3 ROTARY (REVERSE), 4 ROTARY (AIR), 5 AIR PERCUSSION

CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558
Box 490, Stittsville, Ontario KOA 3G0
M. Kavanagh
SUBMISSION DATE: DAY 23 MO 09 YR 80

OFFICE USE ONLY: DATA SOURCE: 1 CONTRACTOR: 1558 DATE COMPLETED: 240281
DATE OF INSPECTION: INSPECTOR:
REMARKS:

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11 1517471 MUNIC 15.005 CON C/N 02
COUNTY OR DISTRICT: Ottawa-Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: West Carleton - Huntley CON. BLOCK, TRACT, SURVEY, ETC: Conc. 2
DATE COMPLETED: 03 09 80
BOX 161, Carp, Ontario K0A 1L0
ELEVATION: 021.689 RC: 4 0340 RC: 4 BASIN CODE: 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Gray	Clay	Sand	Packed	0	8
Brown	Sand		Fine	8	80
Gray-Brown	Sand		Fine	80	100
Brown	Sand		Packed	100	112
Brown	Sand		Hard	112	116
Gray	Limestone		Hard	116	145
Gray-Black	Granite			145	182

31 00082052879 0080608 0100208 011262879 0110662873 014521573
32 0182221

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0130'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0180'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/4	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	0117
5 3/4	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		117	0182
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			27-30

SCREEN

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

MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: _____ FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO	
10-13	14-17	
18-21	22-25	
26-29	30-33	

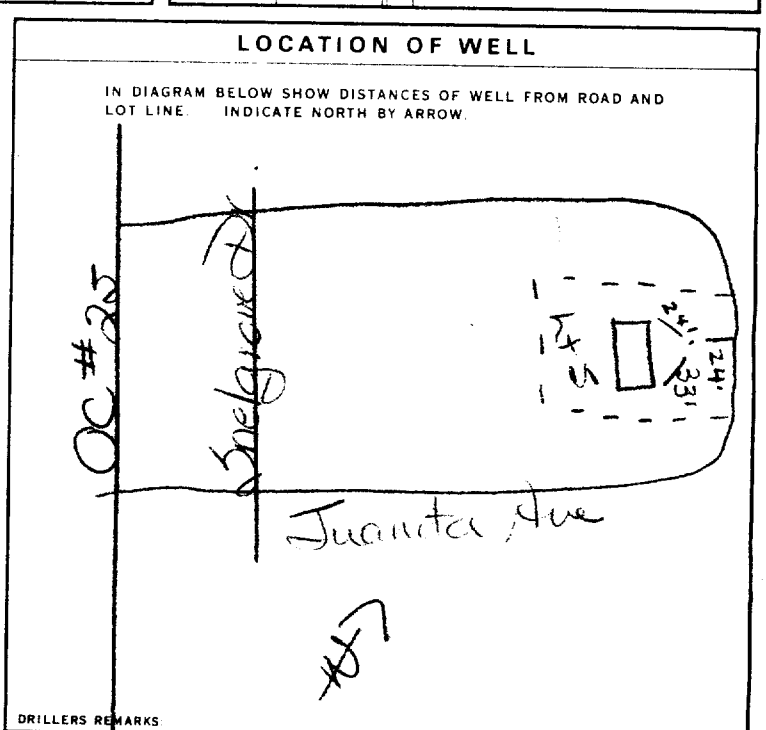
71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	0012 GPM	05 15-15 HOURS 00 17-18 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING					
19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES		
100 FEET	130 FEET	130 FEET	130 FEET	130 FEET	130 FEET		

IF FLOWING GIVE RATE: _____ GPM PUMP INTAKE SET AT: _____ FEET WATER AT END OF TEST: _____ FEET

RECOMMENDED PUMP TYPE: SHALLOW DEEP RECOMMENDED PUMP SETTING: 150 FEET RECOMMENDED PUMPING RATE: 0005 GPM



FINAL STATUS OF WELL: 1 WATER SUPPLY

WATER USE: 1 DOMESTIC

METHOD OF DRILLING: 1 CABLE TOOL

CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558
ADDRESS: Box 490, Stittsville, Ontario K0A 3E0
NAME OF DRILLER OR BORER: M. Kavanagh
SIGNATURE OF CONTRACTOR: _____ SUBMISSION DATE: DAY 12 MO 09 YR 80

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 240281
DATE OF INSPECTION: _____ INSPECTOR: _____
REMARKS: _____



Ontario

WATER WELL RECORD

SIF8a

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11

1517625

MUNICIPALITY 15005

CON. CON

02

COUNTY OR DISTRICT Ottawa-Carleton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE West Carleton - Huntley	CON. BLOCK, DIST. SURVEY, ETC. Lot #16 Con 3	Plan 245	DATE COMPLETED DAY 09 MO 07 YR 81
ADDRESS Box 161, Carp, Ontario K0A 1L0		DATE COMPLETED DAY 09 MO 07 YR 81		
BATHING 021499	RC 4	ELEVATION 0315	RC 4	BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Sand		Packed	0	6
Blue	Clay	Boulders	Hard	6	11
Gray	Granite		Hard	11	30
Red Gray	Granite		Porous	30	42
Gray	Granite		Very Hard	42	140
Gray Green	Granite		Hard	140	260

31 00062879 09113051373 003022173 004272180 01402219073 026022173

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0036'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0195'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0255'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	168	0	0021
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		21	0180
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		180	0260

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	(CEMENT GROUT LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	80

71 PUMPING TEST

1 PUMP 2 BAILER

10 PUMPING RATE 0007 GPM

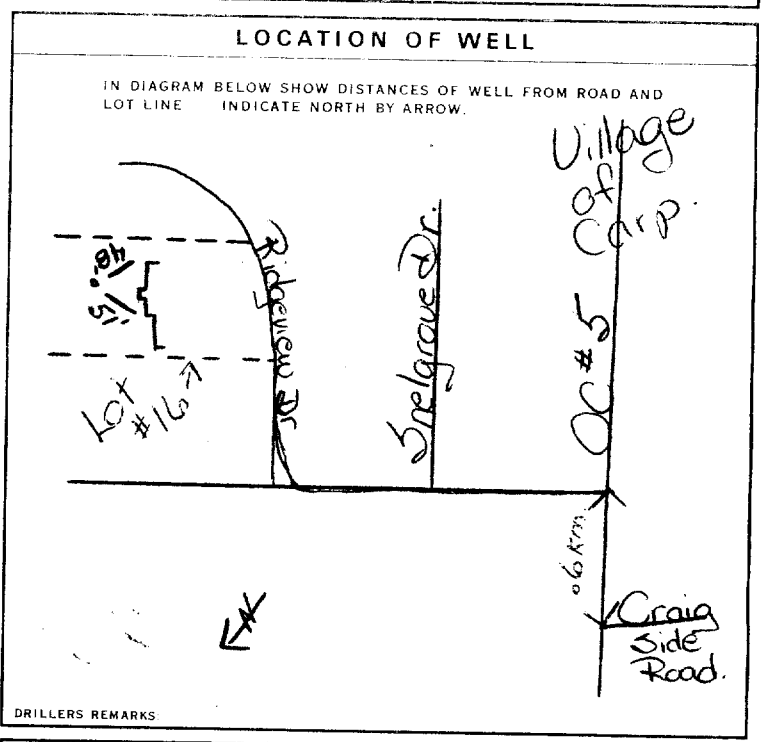
11-14 DURATION OF PUMPING 02 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
070 FEET	140 FEET	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
		140 FEET	140 FEET	140 FEET	140 FEET

RECOMMENDED PUMP TYPE: DEEP

RECOMMENDED PUMP SETTING: 200 FEET

RECOMMENDED PUMPING RATE: 6005 GPM



FINAL STATUS OF WELL: 1 WATER SUPPLY

WATER USE: 01 DOMESTIC

METHOD OF DRILLING: 1 CABLE TOOL

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558

ADDRESS: Box 490, Stittsville, Ontario K0A 3G0

NAME OF DRILLER OR BORER: M. Kavanagh LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY 31 MO 07 YR 81

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE OF INSPECTION: 22 09 81

REMARKS:

P
WI

1 PRINT ONLY IN SPACES PROVIDED
 2 CHECK CORRECT BOX WHERE APPLICABLE

11 1518020 15005 CON CQN 02

COUNTY OR DISTRICT: Ottawa-Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: West Carleton - Huntley CON. BLOCK, TRACT, SURVEY, ETC: Conc. 2 II 019
 OWNER (SURNAME FIRST): Jake Both Const. ADDRESS: Constance Bay, Ontario. DATE COMPLETED: DAY 04 MO 10 YR 82

21 ZONE 18 EASTING 418699 NORTHING 5021899 RC 4 ELEVATION 0350 RC 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Gray	Clay		Packed	0	10
Brown	Sand		Packed	10	95
Gray	Sand	Stones	Loose	95	130
Gray	Hardpan	Boulders	Hard Packed	130	149
Gray	Limestone		Soft	149	255

31 001020579 009502879 01302281277 01492141379 025521585

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0250	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

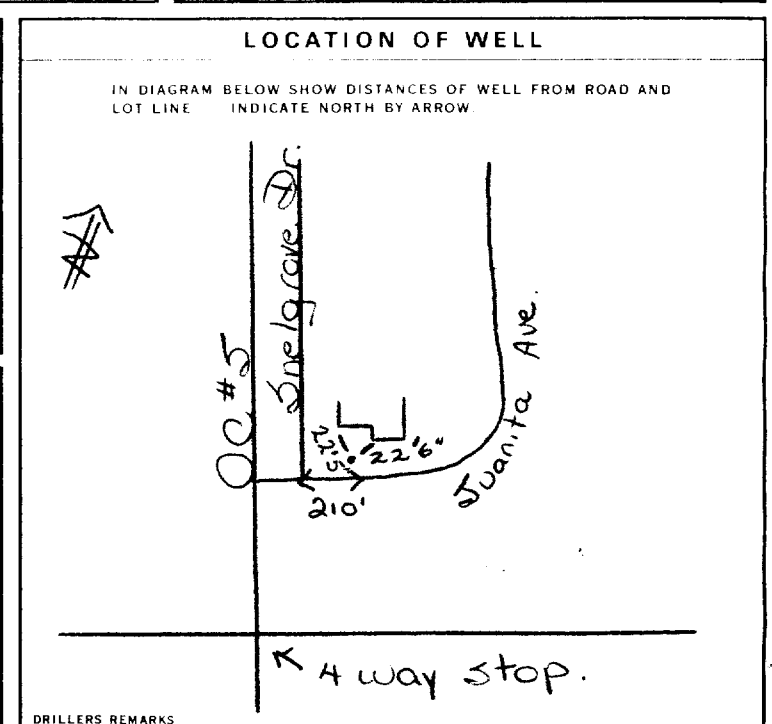
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
06	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0 to 150
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		150 to 255
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	0007 GPM	02 15-16 HOURS 00 17-18 MINS
STATIC LEVEL: 075 FEET	WATER LEVELS DURING:	1 <input checked="" type="checkbox"/> PUMPING 2 <input type="checkbox"/> RECOVERY
WATER LEVEL END OF PUMPING: 130 FEET	15 MINUTES: 100 FEET	30 MINUTES: 125 FEET
	45 MINUTES: 125 FEET	60 MINUTES: 125 FEET
IF FLOWING GIVE RATE:	PUMP INTAKE SET AT:	WATER AT END OF TEST:
	150 FEET	1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE: <input checked="" type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING: 150 FEET	RECOMMENDED PUMPING RATE: 0005 GPM



FINAL STATUS OF WELL: 1 WATER SUPPLY

WATER USE: 1 DOMESTIC

METHOD OF DRILLING: 1 CABLE TOOL

CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558

NAME OF DRILLER OR BORER: J. Moore/C. Sparks

SUBMISSION DATE: DAY 04 MO 10 YR 82

OFFICE USE ONLY

DATA SOURCE: 1558 CONTRACTOR: 1558 DATE RECEIVED: 13 12 82

INSPECTOR: CES. 68

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11

1518827

MUNICIP 15005

CON. C/N

02

COUNTY OR DISTRICT **CARLETON** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE **Huntley** CON. BLOCK, TRACT, SURVEY, ETC. **II** LOT **018**

WINGSIDE SUBDIVISION CARR. ONT. DATE COMPLETED DAY **06** MO **05** YR **83**

GRIDING **021599** # **4** ELEVATION **0310** # **4** RAIN CODE **26**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	sand		Loose	0	25
Brown	clay		Partial	25	75
Black	Boulders		Hard	85	100
Brown	sand		Loose	100	123
Black	Granite		Hard	123	207

MOE VF-18

31 **00202877** **008560579** **010091373** **012362877** **020782173**

32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	1 <input checked="" type="checkbox"/> STEEL	188	0	128
17-18	1 <input type="checkbox"/> STEEL			20-23
24-25	1 <input type="checkbox"/> STEEL			27-30

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
	34-38	39-40
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN FEET
		41-44

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO
10-13	14-17
18-21	22-25
26-29	30-33

71 PUMPING TEST

PUMPING TEST METHOD: 1 AIR, 2 BAILER

PUMPING RATE: **0020** GPM

DURATION OF PUMPING: 15-16 **00** HOURS, 17-18 **00** MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING					
18-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES		
015		26-28	29-31	32-34	35-37		

IF FLOWING, GIVE RATE: **195** GPM

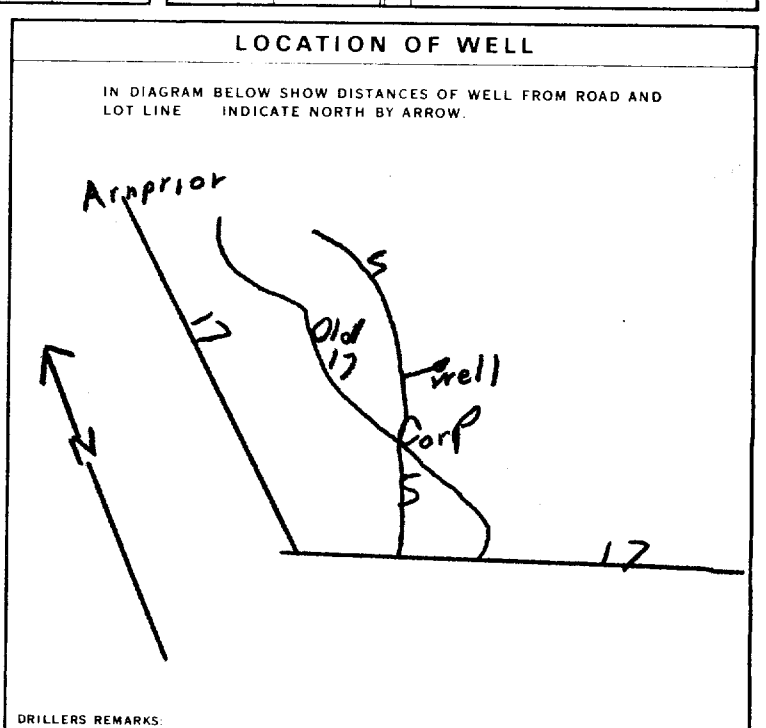
PUMP INTAKE SET AT: **195** FEET

WATER AT END OF TEST: 1 CLEAR, 2 CLOUDY

RECOMMENDED PUMP TYPE: SHALLOW, DEEP

RECOMMENDED PUMP SETTING: **195** FEET

RECOMMENDED PUMPING RATE: **0015** GPM



FINAL STATUS OF WELL

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

WATER USE

1 DOMESTIC, 2 STOCK, 3 IRRIGATION, 4 INDUSTRIAL, 5 OTHER, 6 COMMERCIAL, 7 MUNICIPAL, 8 PUBLIC SUPPLY, 9 COOLING OR AIR CONDITIONING, 10 NOT USED

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR: **George H. Law, Smith Ltd** LICENCE NUMBER: **3323**

ADDRESS: **Geological Ontario**

NAME OF DRILLER OR BORER: **Alfred Law** LICENCE NUMBER: **3352**

SIGNATURE OF CONTRACTOR: **George H. Law**

SUBMISSION DATE: DAY **10** MO **9** YR **83**

OFFICE USE ONLY

DATA SOURCE: 1 **3323** CONTRACTOR: **3323** DAY RECEIVED: **010384**

DATE OF INSPECTION: _____ INSPECTOR: _____

REMARKS: _____



Ministry of the Environment Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED.
2. CHECK CORRECT BOX WHERE APPLICABLE

11

1518827

MUNICIP. _____ CON. _____

COUNTY OR DISTRICT **CARLETON** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE **Huntley** CON. BLOCK, TRACT, SURVEY ETC _____ LOT **18**

WINGSIDE SUBDIVISION CARR. ONT.

DATE COMPLETED **06** DAY **05** MO **05** YR **83**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	sand		Loose	0	25
Brown	clay		Packed	25	85
Black	Boulders		Hard	85	100
Brown	sand		Loose	100	123
Black	Granite		Hard	123	207

31 _____
32 _____

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
6 1/4	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	128
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			27-30

SCREEN

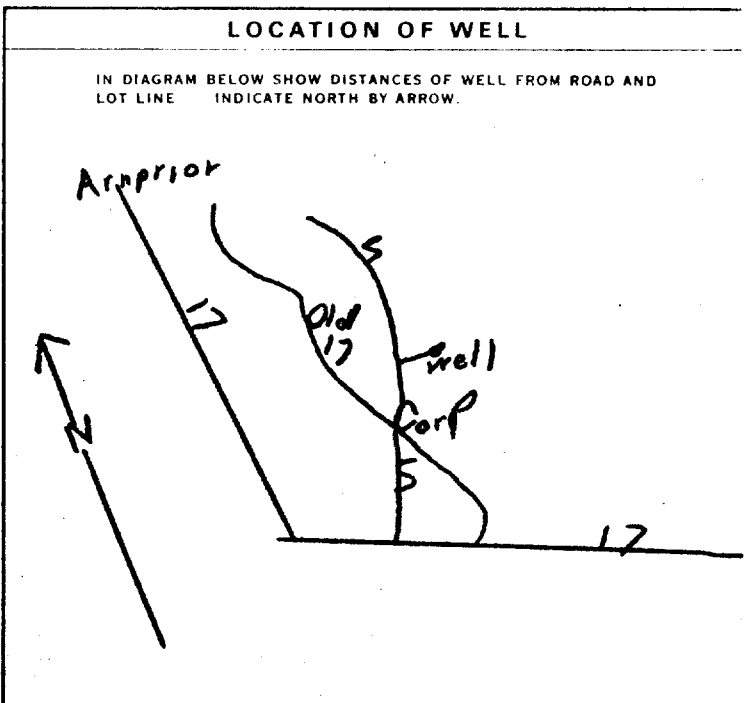
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE
FROM TO	(CEMENT GROUT LEAD PACKER, ETC.)
10-13	14-17
18-21	22-25
26-29	30-33

71 PUMPING TEST

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> AIR 2 <input type="checkbox"/> BAILER	PUMPING RATE 20 GPM	DURATION OF PUMPING 1 15-16 HOURS 17-18 MINS
STATIC LEVEL 15 FEET	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
		15 MINUTES 20-20 FEET 30 MINUTES 29-31 FEET 45 MINUTES 32-34 FEET 60 MINUTES 35-37 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT 195 GPM	WATER AT END OF TEST 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 195 FEET	RECOMMENDED PUMPING RATE 15 GPM



FINAL STATUS OF WELL

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

WATER USE

1 <input checked="" type="checkbox"/> DOMESTIC 2 <input type="checkbox"/> STOCK 3 <input type="checkbox"/> IRRIGATION 4 <input type="checkbox"/> INDUSTRIAL 5 <input type="checkbox"/> OTHER	6 <input type="checkbox"/> COMMERCIAL 7 <input type="checkbox"/> MUNICIPAL 8 <input type="checkbox"/> PUBLIC SUPPLY 9 <input type="checkbox"/> COOLING OR AIR CONDITIONING 10 <input type="checkbox"/> NOT USED
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR George H. Law, Inc. Ltd.	LICENCE NUMBER 3323
ADDRESS Coalgatic Ontario	
NAME OF DRILLER OR BORE Alfred Law	LICENCE NUMBER 3352
SIGNATURE OF CONTRACTOR G. H. Law	SUBMISSION DATE DAY 10 MO 9 YR 83

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED 010384
DATE OF INSPECTION	INSPECTOR	
REMARKS		

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11 1518879 15005 CON CAN 02

COUNTY OR DISTRICT: OTT. CARLETON TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [REDACTED] CON. BLOC. DISTRICT SURVEY, ETC.: II DATE COMPLETED: DAY 10 MO 05 YR 83

SPRINGSIDE SUBDIVISION CARP ONT. ELEVATION: 215.99 4 0310 4 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	sand		Loose	0	25
Brown	clay		Packed	25	85
Black	Boulders		Hard	85	105
Black	Granite		Hard	105	228



31 002562877 008560579 010581373 022882173

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/4	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	0/10
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			27-30

SCREEN

SIZE (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
31-33	34-38	39-40

MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: 41-44 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET		MATERIAL AND TYPE	CEMENT GROUT LEAD PACKER, ETC.
FROM	TO		
10-13	14-17		
18-21	22-25		
26-29	30-33		

71 PUMPING TEST

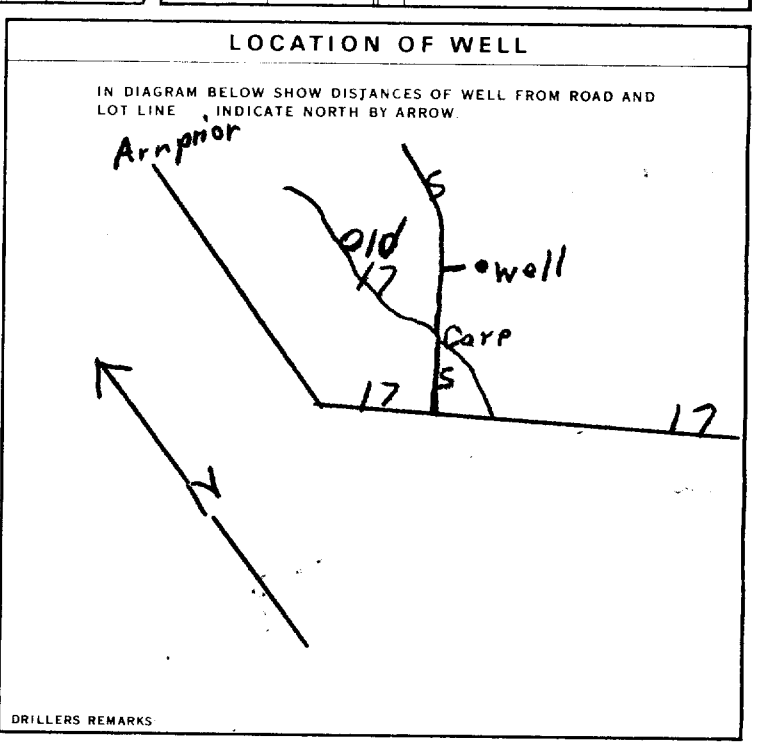
PUMPING TEST METHOD: 1 FAIR 2 PUMP 3 BAILER

PUMPING RATE: 0010 GPM DURATION OF PUMPING: 0 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
19-21 FEET	22-24 FEET	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
015	223	12 1/2	06 1/2	03 1/2	015

IF FLOWING, GIVE RATE: _____ PUMP INTAKE SET AT: 200 FEET WATER AT END OF TEST: 1 CLEAR 2 CLOUDY

RECOMMENDED PUMP TYPE: SHALLOW DEEP RECOMMENDED PUMP SETTING: 200 FEET RECOMMENDED PUMPING RATE: 0005 GPM



FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR: George H Law & Son Ltd LICENCE NUMBER: 3323
ADDRESS: Calabogie Ontario
NAME OF DRILLER OR BORER: Alfred Law LICENCE NUMBER: 3352
SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY 12 MO 9 YR 83

OFFICE USE ONLY

DATA SOURCE: 1 3323 010384
DATE OF INSPECTION: _____ INSPECTOR: _____
REMARKS: _____

WATER WELL RECORD

8314

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11 1518879

MUNICIP. _____ CON. _____

COUNTY OR DISTRICT **OTT. CARLETON** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE _____ CON., BLOCK, TRACT, SURVEY, ETC. _____ LOT **2**

SPRINGSIDE SUBDIVISION CARP ONT. DATE COMPLETED DAY **10** MO **05** YR **88**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	sand		Loose	0	25
Brown	clay		Packed	25	85
Black	Boulders		Hard	85	105
Black	Granite		Hard	105	228

31 _____
32 _____

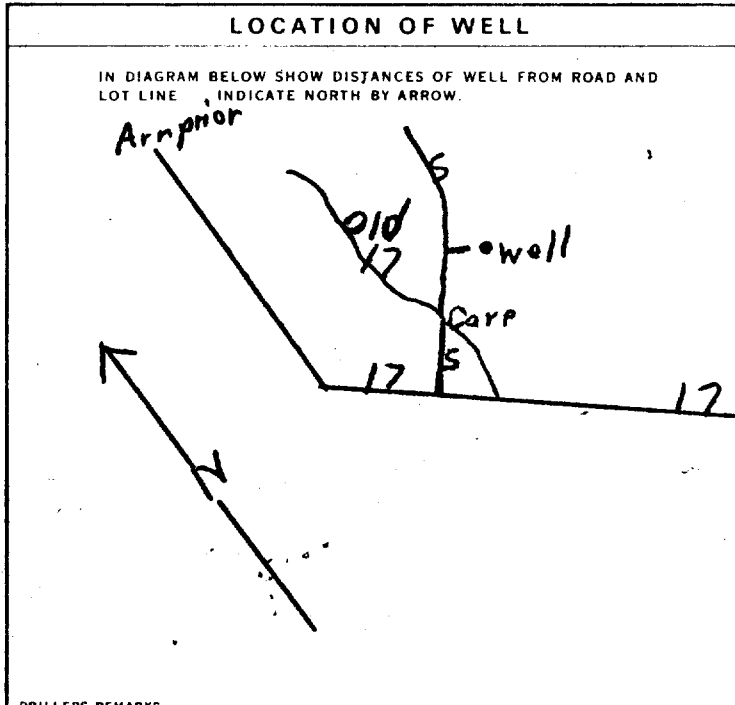
41 WATER RECORD	
WATER FOUND AT - FEET	KIND OF WATER
223	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-20	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD				
INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 7/4	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	110
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			27-30

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

61 PLUGGING & SEALING RECORD			
DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)	
FROM	TO		
10-15	14-17		
18-21	22-25		
26-29	30-33		

71 PUMPING TEST	PUMPING TEST METHOD		PUMPING RATE		DURATION OF PUMPING	
	1 <input checked="" type="checkbox"/> AIR <input type="checkbox"/> BAILER		10 GPM		1 15-18 HOURS 17-18 MINS	
	STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
	15 FEET	223 FEET	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
IF FLOWING, GIVE RATE		PUMP INTAKE SET AT		WATER END OF TEST		
		200 FEET		1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY		
RECOMMENDED PUMP TYPE		RECOMMENDED PUMP SETTING		RECOMMENDED PUMPING RATE		
1 <input type="checkbox"/> SMALL 2 <input checked="" type="checkbox"/> DEEP		200 FEET		5 GPM		



FINAL STATUS OF WELL	1 <input checked="" type="checkbox"/> WATER SUPPLY				2 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY			
	2 <input type="checkbox"/> OBSERVATION WELL				3 <input type="checkbox"/> ABANDONED, POOR QUALITY			
	3 <input type="checkbox"/> TEST HOLE				4 <input type="checkbox"/> UNFINISHED			
WATER USE	1 <input checked="" type="checkbox"/> DOMESTIC				5 <input type="checkbox"/> COMMERCIAL			
	2 <input type="checkbox"/> STOCK				6 <input type="checkbox"/> MUNICIPAL			
	3 <input type="checkbox"/> IRRIGATION				7 <input type="checkbox"/> PUBLIC SUPPLY			
METHOD OF DRILLING	1 <input type="checkbox"/> CABLE TOOL				5 <input type="checkbox"/> BORING			
	2 <input type="checkbox"/> ROTARY (CONVENTIONAL)				6 <input type="checkbox"/> DIAMOND			
	3 <input type="checkbox"/> ROTARY (REVERSE)				7 <input type="checkbox"/> JETTING			

CONTRACTOR	NAME OF WELL CONTRACTOR		LICENCE NUMBER
	George H Law & Son Ltd		3323
	ADDRESS		
	Calabogie Ontario		
CONTRACTOR	NAME OF DRILLER OR BORER		LICENCE NUMBER
	Alfred Law		3352
	SIGNATURE OF CONTRACTOR		SUBMISSION DATE
DAY 12 MO 9 YR 88			

OFFICE USE ONLY	DATA SOURCE	CONTRACTOR	DATE RECEIVED
			010384
	DATE OF INSPECTION	INSPECTOR	
REMARKS			



Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11

1518961

CON.

COUNTY OR DISTRICT: [Redacted] TOWN, BOROUGH, CITY, TOWNSHIP: Carleton Place CON. BLOCK, TRACT, SURVEY, ETC.: Ward 3 LOT: 218
DATE COMPLETED: 30 9 83 DAY MO YR
NG: [] RC: [] ELEVATION: [] BASIN CODE: []

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<u>Brown loam</u>				<u>0</u>	<u>10</u>
<u>Sand</u>				<u>10</u>	<u>73</u>
<u>Grey & brown loam</u>				<u>73</u>	<u>100</u>

31 [] 32 []

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
<u>80</u>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
<u>92</u>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>6 1/4</u>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<u>1 1/8</u>	<u>0</u>	<u>75</u>
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

SCREEN

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

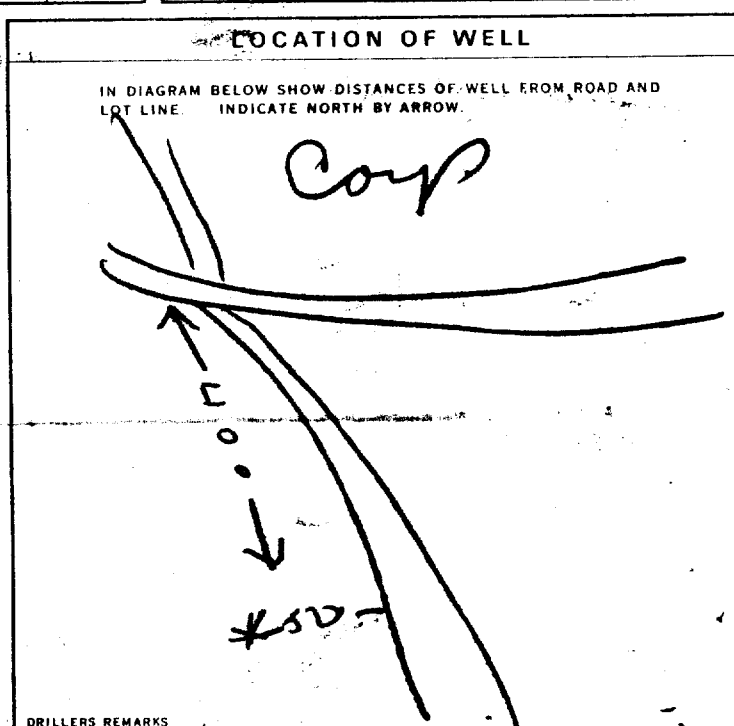
MATERIAL AND TYPE: [] DEPTH TO TOP OF SCREEN: []

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUT LEAD PACKER, ETC.
FROM: <u>10-13</u> TO: <u>14-17</u>		
FROM: <u>18-21</u> TO: <u>22-25</u>		
FROM: <u>26-29</u> TO: <u>30-33</u>		

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	<u>50</u> GPM	<u>1</u> HOURS <u>15</u> MINS
STATIC LEVEL: <u>20</u> FEET	WATER LEVELS DURING PUMPING	1 <input checked="" type="checkbox"/> PUMPING 2 <input type="checkbox"/> RECOVERY
WATER LEVEL END OF PUMPING: <u>60</u> FEET	15 MINUTES: <u>40</u> FEET	30 MINUTES: <u>60</u> FEET
	45 MINUTES: <u>60</u> FEET	60 MINUTES: <u>60</u> FEET
IF FLOWING, GIVE RATE: <u>95</u> GPM	PUMP INTAKE SET AT: <u>60</u> FEET	WATER AT END OF TEST: 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE: <input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING: <u>60</u> FEET	RECOMMENDED PUMPING RATE: <u>50</u> GPM



FINAL STATUS OF WELL

1 SUPPLY 6 ABANDONED, INSUFFICIENT SUPPLY
2 OBSERVATION WELL 7 ABANDONED, POOR QUALITY
3 TEST HOLE 8 UNFINISHED
4 RECHARGE WELL

WATER USE

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

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Sand's well drill LICENCE NUMBER: 4767
ADDRESS: RTE 2 Corp
NAME OF DRILLER OR BORER: Sand LICENCE NUMBER: []
SIGNATURE OF CONTRACTOR: R Sand SUBMISSION DATE: 30 9 83 DAY MO YR

OFFICE USE ONLY

DATA SOURCE: [] CONTRACTOR: [] DATE RECEIVED: 12 06 84
DATE OF INSPECTION: [] INSPECTOR: []
REMARKS: []

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11 1518961 15005 CON 03
 COUNTY OR DISTRICT West TOWNSHIP, BOROUGH, CITY, TOWN West CON. BLOCK, TRACT, SURVEY, ETC. III LOT 218
 DATE COMPLETED DAY 30 MO 04 YR 84
 NG 221399 BC 4 ELEVATION 0310 BC 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown loam				0	10
Soil				10	73
Grey & brown loam				73	100

MOE
VF 18

31 0910692 0073 28 0100215
 32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
0080	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
0092	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
5.25	PEEL	1.88	0	0.75

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST METHOD

1 PUMP 2 BAILER

PUMPING RATE 0050 GPM

DURATION OF PUMPING 01:00 HOURS

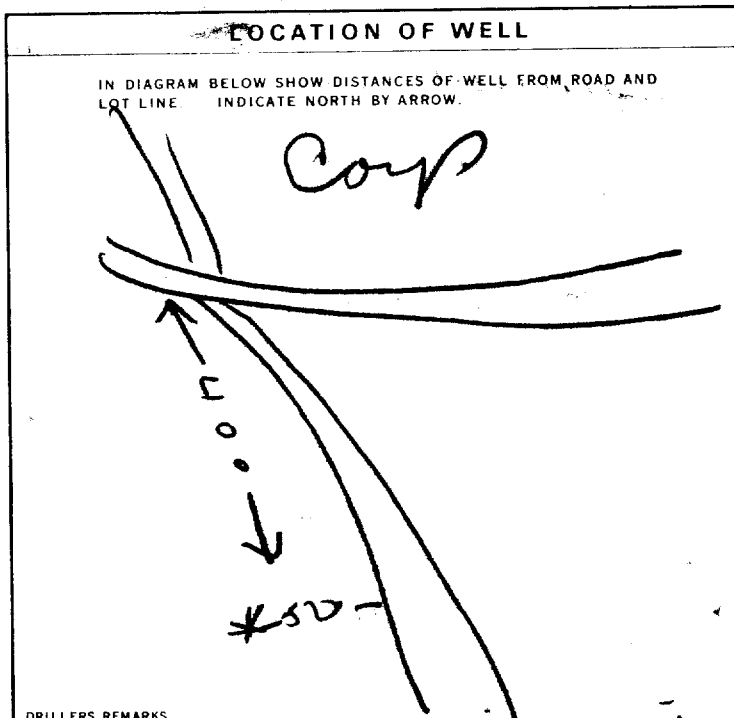
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
020	060	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
FEET	FEET	FEET	FEET	FEET	FEET

IF FLOWING GIVE RATE 95 GPM

RECOMMENDED PUMP TYPE SHALLOW DEEP

RECOMMENDED PUMP SETTING 060 FEET

RECOMMENDED PUMPING RATE 0050 GPM



FINAL STATUS OF WELL 1

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

WATER USE 01

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

METHOD OF DRILLING 4

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

CONTRACTOR

NAME OF WELL CONTRACTOR Sanders well drill LICENCE NUMBER 4767
 ADDRESS RRTI 2 Comp
 NAME OF DRILLER OR BOREH Sander LICENCE NUMBER
 SIGNATURE OF CONTRACTOR R Sander SUBMISSION DATE DAY 30 MO 04 YR 84

OFFICE USE ONLY

DATA SOURCE 1 CONTRACTOR 4767 DATE RECEIVED 12 06 84
 DATE OF INSPECTION INSPECTOR
 REMARKS

1520876

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

COUNTY OR DISTRICT: Carleton Place TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Carleton Place Corp. CON. BLOCK, TRACT, SURVEY, ETC: 2 LOT: 19
DATE COMPLETED: DAY 3 MO Sept YR 86

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<u>Brown</u>	<u>Clay</u>			<u>0</u>	<u>40</u>
<u>Sands</u>	<u>Shale</u>			<u>40</u>	<u>126</u>
<u>Grey</u>	<u>Limestone</u>			<u>126</u>	<u>225</u>

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
<u>220</u>	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>6-4</u>	<u>STEEL</u>	<u>188</u>	<u>0</u>	<u>126</u>
	<input type="checkbox"/> GALVANIZED			
	<input type="checkbox"/> CONCRETE			
	<input type="checkbox"/> OPEN HOLE			

SCREEN

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

MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: _____ FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO	
<u>10-13</u>	<u>14-17</u>	
<u>18-21</u>	<u>22-25</u>	
<u>26-29</u>	<u>30-33</u>	

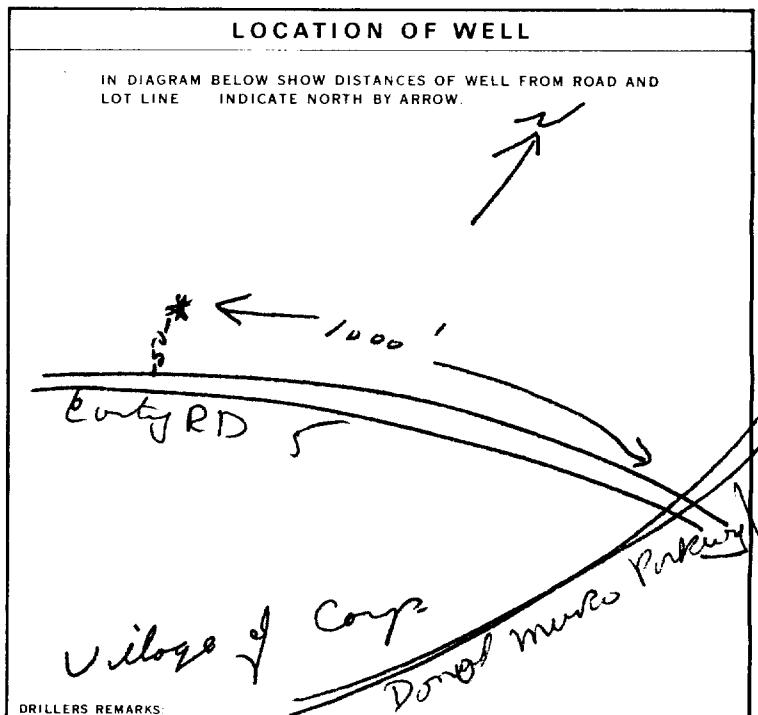
71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE GPM	DURATION OF PUMPING HOURS
<input type="checkbox"/> PUMP <input type="checkbox"/> BAILER		

STATIC LEVEL FEET	WATER LEVEL END OF PUMPING FEET	WATER LEVELS DURING PUMPING					
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES		
		<u>26-28</u>	<u>29-31</u>	<u>32-34</u>	<u>35-37</u>		

IF FLOWING, GIVE RATE: _____ GPM PUMP INTAKE SET AT: _____ FEET WATER AT END OF TEST: _____ FEET

RECOMMENDED PUMP TYPE: SHALLOW DEEP



FINAL STATUS OF WELL

<input checked="" type="checkbox"/> WATER SUPPLY	<input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
<input type="checkbox"/> OBSERVATION WELL	<input type="checkbox"/> ABANDONED, POOR QUALITY
<input type="checkbox"/> TEST HOLE	<input type="checkbox"/> UNFINISHED
<input type="checkbox"/> RECHARGE WELL	

WATER USE

<input checked="" type="checkbox"/> DOMESTIC	<input type="checkbox"/> COMMERCIAL
<input type="checkbox"/> STOCK	<input type="checkbox"/> MUNICIPAL
<input type="checkbox"/> IRRIGATION	<input type="checkbox"/> PUBLIC SUPPLY
<input type="checkbox"/> INDUSTRIAL	<input type="checkbox"/> COOLING OR AIR CONDITIONING
<input type="checkbox"/> OTHER	<input type="checkbox"/> NOT USED

METHOD OF DRILLING

<input type="checkbox"/> CABLE TOOL	<input type="checkbox"/> BORING
<input type="checkbox"/> ROTARY (CONVENTIONAL)	<input type="checkbox"/> DIAMOND
<input type="checkbox"/> ROTARY (REVERSE)	<input type="checkbox"/> JETTING
<input checked="" type="checkbox"/> ROTARY (AIR)	<input type="checkbox"/> DRIVING
<input type="checkbox"/> AIR PERCUSSION	

CONTRACTOR

NAME OF WELL CONTRACTOR: Saunders Well Drilling LICENCE NUMBER: 4767

ADDRESS: RR#2 Arnpur

NAME OF DRILLER OR BORER: Cecil Murko LICENCE NUMBER: _____

SIGNATURE OF CONTRACTOR: R Saunders SUBMISSION DATE: _____

OFFICE USE ONLY

DATA SOURCE: _____ CONTRACTOR: _____ DATE RECEIVED: 120986

DATE OF INSPECTION: _____ INSPECTOR: _____

REMARKS: _____

S.O. 69784

WATER WELL RECORD

1523936

15005 CON
MUNICIPAL PLAN 4M4A6.02

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

11

COUNTY OR DISTRICT QUINTEWAH	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE CARD	CON. BLOCK TRACT. SURVEY ETC 2	LOT 18
ADDRESS 102. CAUNAUGH DRIVE			DATE COMPLETED DAY 10 MO 5 YR 89
ELEVATION 110			

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BROWN	SAND		Fill	0	2'
BROWN	CLAY		PACKED	2'	35'
GREY	CLAY	SILT, FINE SAND.	MOIST	35'	120'
GREY	QUICKSAND		WET	120'	165'
GREY	SAND	GRAVEL.	MED, COARSE	165'	170'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
170'	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS
15-18	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS
20-23	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS
25-28	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS
30-33	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
10-11 10-11 6 1/4	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC	.188	FROM TO 0 170'
17-18	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC		17-18
24-25	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC		24-25

SCREEN

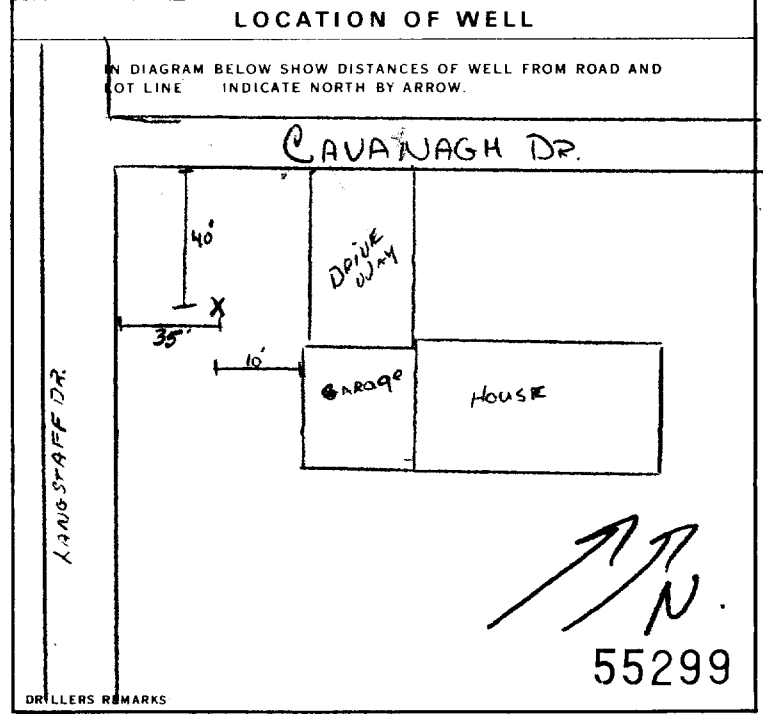
SIZE (S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
		DEPTH TO TOP OF SCREEN
		FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE
FROM TO	(CEMENT GROUT LEAD PACKER, ETC.)
0 10-13	20 14-17 CEMENT GROUT
18-21	22-25
26-29	30-33 80

71 PUMPING TEST

PUMPING TEST METHOD <input checked="" type="checkbox"/> PUMP <input type="checkbox"/> BAILER	PUMPING RATE 100+ GPM	DURATION OF PUMPING 3 HOURS
STATIC LEVEL 50 FEET	WATER LEVEL END OF PUMPING 65 FEET	WATER LEVELS DURING <input checked="" type="checkbox"/> PUMPING <input type="checkbox"/> RECOVERY
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT 65 FEET	WATER AT END OF TEST <input checked="" type="checkbox"/> CLEAR <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 65 FEET	RECOMMENDED PUMPING RATE 10 GPM



FINAL STATUS OF WELL

<input checked="" type="checkbox"/> WATER SUPPLY <input type="checkbox"/> OBSERVATION WELL <input type="checkbox"/> TEST HOLE <input type="checkbox"/> RECHARGE WELL	<input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY <input type="checkbox"/> ABANDONED POOR QUALITY <input type="checkbox"/> UNFINISHED <input type="checkbox"/> DEWATERING
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

WATER USE

<input checked="" type="checkbox"/> DOMESTIC <input type="checkbox"/> STOCK <input type="checkbox"/> IRRIGATION <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER	<input type="checkbox"/> COMMERCIAL <input type="checkbox"/> MUNICIPAL <input type="checkbox"/> PUBLIC SUPPLY <input type="checkbox"/> COOLING OR AIR CONDITIONING <input type="checkbox"/> NOT USED
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METHOD OF CONSTRUCTION

<input type="checkbox"/> CABLE TOOL <input type="checkbox"/> ROTARY (CONVENTIONAL) <input type="checkbox"/> ROTARY (REVERSE) <input checked="" type="checkbox"/> ROTARY (AIR) <input type="checkbox"/> AIR PERCUSSION	<input type="checkbox"/> BORING <input type="checkbox"/> DIAMOND <input type="checkbox"/> JETTING <input type="checkbox"/> DRIVING <input type="checkbox"/> DIGGING <input type="checkbox"/> OTHER
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CONTRACTOR NAME OF WELL CONTRACTOR Valley Drilling Co Ltd	WELL CONTRACTOR'S LICENCE NUMBER 5222
ADDRESS P.O. Box 437 CARD, ONT	
NAME OF WELL TECHNICIAN Bill Bisson	WELL TECHNICIAN'S LICENCE NUMBER T-0190
SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE DAY _____ NO. _____ YR. _____

OFFICE USE ONLY	DATA SOURCE 5222	CONTRACTOR 5222	DATE RECEIVED OCT 12 1989
	DATE OF INSPECTION	INSPECTOR	
REMARKS			

Abandonment
Decom-2

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	
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Well Owner's Information and Location of Well Information

RR#/Street Number/Name: 135 Salisbury Street
 City/Town/Village: Carp
 Site/Compartment/Block/Tract etc.:
 GPS Reading: NAD 83, Zone 18, Easting 4111230, Northing 501211125
 Unit Make/Model: Carp
 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

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
			Casing <input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				Pumping test method: Pump intake set at - (metres) Pumping rate - (litres/min): 1 Duration of pumping: 2 hrs + min Final water level end of pumping: 3 metres Recommended pump type: <input type="checkbox"/> Shallow <input type="checkbox"/> Deep Recommended pump depth: 5 metres Recommended pump rate: 10 (litres/min) If flowing give rate - (litres/min): 20, 25, 30, 40, 50, 60 If pumping discontinued, give reason.					
			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									
Water Record Water found at: m Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals After test of well yield, water was <input type="checkbox"/> Clear and sediment free <input type="checkbox"/> Other, specify												
Chlorinated: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No												

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	11.45	Bentonite Slurry	

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

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

Audit No. **Z 33661** Date Well Completed: 2004 08 10
 Was the well owner's information package delivered? Yes No Date Delivered: YYYY MM DD

Well Contractor/Technician Information

Name of Well Contractor: Newtation Drilling Ltd	Well Contractor's Licence No.: 6814
Business Address (street name, number, city etc.): 2501 Delzelle Avenue Ottawa Ontario K1T 3V6	
Name of Well Technician (last name, first name): Terry Wright	Well Technician's Licence No.: 715
Signature of Technician/Contractor: [Signature]	Date Submitted: 2004 08 28

Ministry Use Only

Data Source	Contractor: 6894
Date Received: OCT 20 2005	Date of Inspection: YYYY MM DD
Remarks	Well Record Number

Address of Well Location (Street Number/Name, RR) **422 Donald Munro Drive** Township **West Carleton Place** Lot **240 Part 25** Concession
 County/District/Municipality **Ottawa Carleton** City/Town/Village **Carleton Place** Province **Ontario** Postal Code **K0A1H0**
 UTM Coordinates Zone Easting Northing GPS Unit Make Model Mode of Operation: Undifferentiated Averaged
 NAD **83** **18** **418** **909** **5021756** **Magellan** **explorist** Differentiated, specify

Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres)	
				From	To
	topsoil	gravel	topsoil	0	0.6
brown	sand		medium sand	0.6	1.5
gray	clay		clay	1.5	6.0

BH 1 is monitoring well
 BH 2 - no installation

Hole Details

Depth (Metres)		Diameter (Centimetres)
From	To	
0	6.0	5.0

Water Use

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

Method of Construction

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

Status of Well

Test Hole Abandoned, Insufficient Supply
 Replacement Well Abandoned, Poor Water Quality
 Dewatering Well Other, specify
 Alteration (Construction) Abandoned, other, specify

No Casing and Screen Used Yes No

Static Water Level Test Yes No Metres

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres)	
			From	To
3.5	plastic riser	0.3	0	3.0
3.5	plastic screen	0.3	3.0	6.0

Screen

Galvanized Steel Fibreglass Concrete Plastic

Outside Diameter (Centimetres) **4.1** Slot No. **10**

Water Details

Water found at Depth Metres Gas Fresh Salty Sulphur Minerals

Water found at Depth Metres Gas Fresh Salty Sulphur Minerals

Water found at Depth Metres Gas Fresh Salty Sulphur Minerals

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0	2.3	bentonite pellets	
2.3	6.0	filter sand	1/2 bag

Disinfected Yes No If no, provide reason: Date Master Well Completed (yyyy/mm/dd) **2008/07/11**

Cluster Information (Please also fill out the additional Cluster Well Information for Well Construction for each parcel of land and cluster.)

Total Wells in Cluster 1 Please indicate Number of Cluster Well Information Log Sheets Submitted

Total Wells on this Property 1

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.
 Check box to confirm detailed map is provided as per Section 11.1 (3)

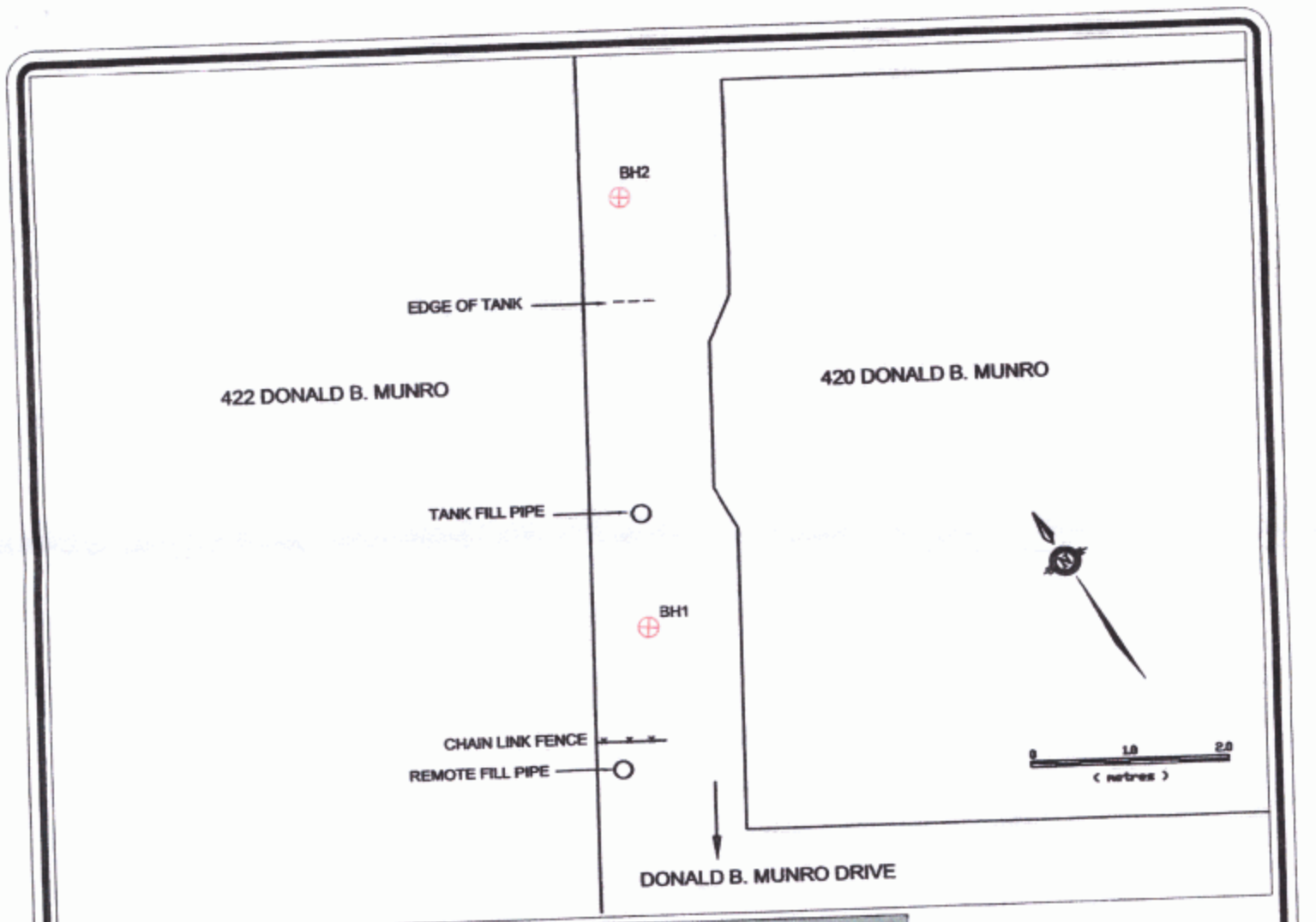
Consent to release additional information concerning the cluster to the Director upon request

Well Contractor and Well Technician Information

Business Name of Well Contractor **OCS Inc** Well Contractor's Licence No. **6964**
 Business Address (Street No./Name, number, RR) **5518 Appleton Side Road** Municipality **Almonte**
 Province **Ontario** Postal Code **K0A1A0** Business E-mail Address **ogs inc@bell net.ca**
 Bus. Telephone No. (inc. area code) **6132567666** Name of Well Technician (Last Name, First Name) **Ohlmann Wilk**
 Well Technician's Licence No. **2594** Signature of Technician Date Submitted (yyyy/mm/dd) **2008/08/08**

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Audit No. **M 03131** Well Contractor No.
 Date Received (yyyy/mm/dd) **AUG 13 2008** Date of Inspection (yyyy/mm/dd)
 Remarks **(A) MAPS**

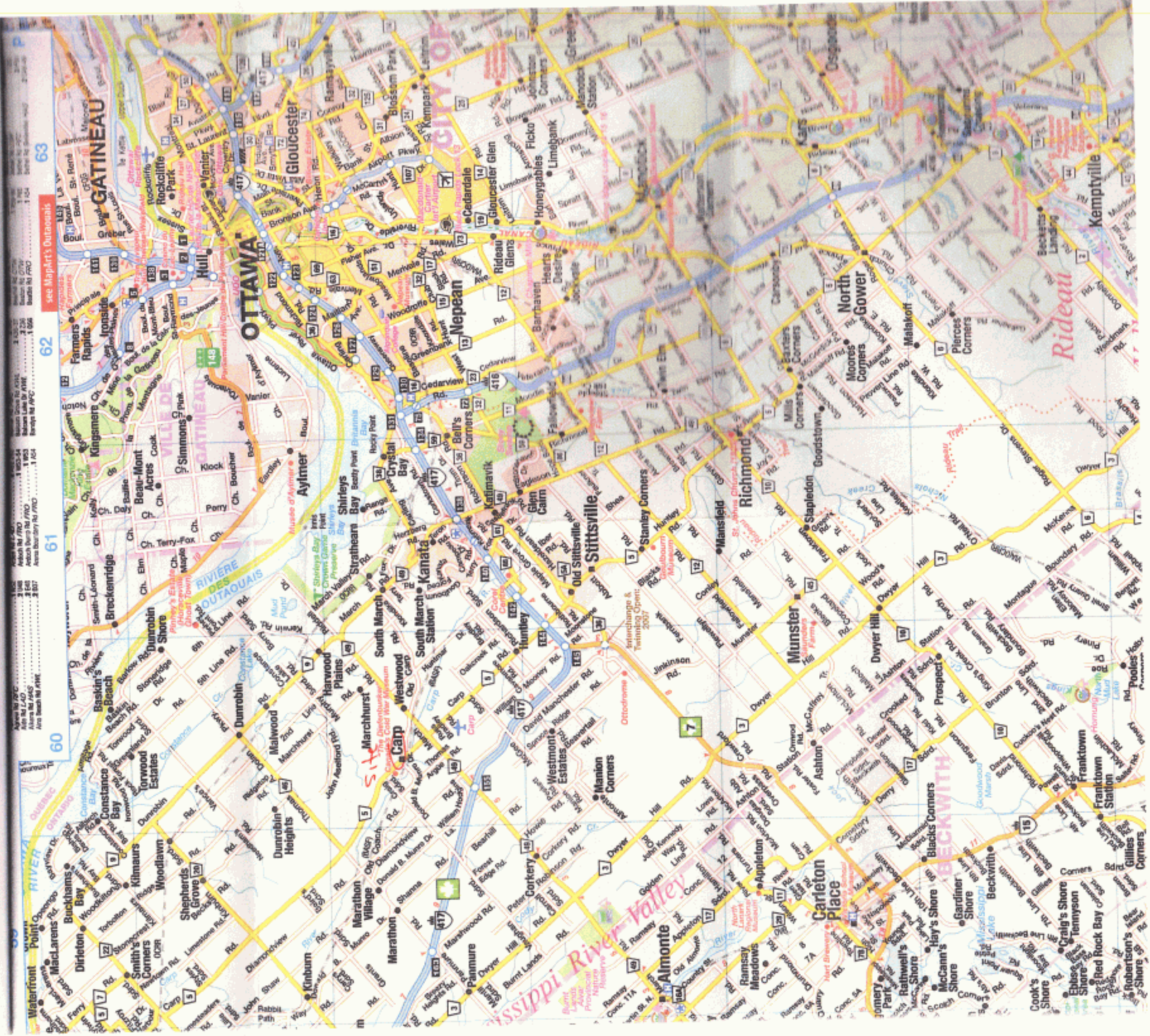


LEGEND:
 ⊗ BOREHOLE LOCATION

SITE PLAN

422 DONALD B. MUNRO DRIVE
 CARP, ONTARIO

C-6964 AUG 13 2008 M 03131



see MapArt's Outdoors

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61

60

AUG 13 2008

C-6964

M03131

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

POSITION

Intermediate Environmental Engineer

EDUCATION

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

MEMBERSHIPS & AWARDS

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

EXPERIENCE

2018 – Present

Paterson Group Inc.

Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 – 2015

Thurber Engineering Limited

Oil Sand Tailings Group
Tailings Engineer

2009 – 2014

Carleton University

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

2008 – 2009

SLR Consulting Limited

Contaminated Sites
Junior Environmental Engineer

SELECTED LIST OF PROJECTS

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

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

POSITION

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

EDUCATION

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

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present

Paterson Group Inc.

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

SELECT LIST OF PROJECTS

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