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Phase I Environmental Site Assessment

Vacant Property
Quinn's Point – Stage 2
Ottawa, Ontario

Prepared For

Minto Communities Inc.

February 26, 2018

Report: PE4246-1

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EXECUTIVE SUMMARY

Assessment

A Phase I – Environmental Site Assessment was carried out for a property at the northwest corner of Greenbank Road and Barnsdale Road in the City of Ottawa, Ontario. The purpose of this environmental assessment was to research the past and current use of the subject site and adjacent properties and identify any environmental concerns with the potential to impact the subject property.

Based on a review of historical sources, the subject site has historically consisted of agricultural fields. More recently, the property has been stripped of topsoil and is no longer used for agriculture. No historical potentially contaminating activities (PCAs) were identified on the Phase I property. Surrounding properties have historically been used for agricultural purposes. Lands to the northwest have been quarried for sand and gravel since the 1970s, however they are not considered to pose any risk to the subject site. In a review of the historical sources, no Potentially Contaminating Activities were identified.

Following the historical review, a site visit was conducted. The subject property currently exists as vacant, tree covered land. No environmental concerns were identified on the subject site at the time of the site visit.

The surrounding land use consisted of commercial, residential and vacant properties. No PCAs were identified in the Phase I study area.

Conclusion

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

1.0 INTRODUCTION

At the request of Minto Communities Inc., Paterson Group (Paterson) conducted a Phase I - Environmental Site Assessment (Phase I ESA) of a property on Greenbank Road and Barnsdale Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I ESA by Mr. Hugo Lalonde of Minto Communities Inc. Mr. Lalonde can be reached by telephone at (613) 782-2488.

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

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

2.0 PHASE I PROPERTY INFORMATION

Address:	No municipal address.
Legal Description:	Part of Lots 6 and 7, Concession 3, Rideau Front, Geographic Township of Nepean, in the City of Ottawa, Ontario.
Property Identification Number (PIN):	04592-2105
Location:	The subject site is located to the northwest of the intersection of Greenbank road and Barnsdale Road.
Latitude and Longitude:	45° 14' 12" N, 75° 43' 44" W
Site Description:	
Configuration:	Irregular
Site Area:	67.8 ha (approximate)
Zoning:	RU – rural countryside zone (east end); MR – mineral aggregate reserve zone (north/central part of site); AG – agricultural zone (small part of western side of site)
Current Use:	The subject site is vacant, with agricultural fields and some treed areas; some areas have been cleared of vegetation as part of the early stages of development. Construction access roads are present throughout the site, and an office trailer is located on the northeast part of the site.
Services:	The subject site is situated in a privately serviced area. No utilities are anticipated to be present on the property. The new development to the north is municipally serviced.

3.0 SCOPE OF INVESTIGATION

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

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

4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

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

First Developed Use Determination

Based on a review of historically available information, the Phase I property appears to have always been vacant, and historically used for agriculture. The property has never been developed.

National Archives

Fire insurance plans and city directories are not available for the Phase I study area.

Plan of Subdivision

A draft plan of subdivision prepared by Stantec Geomatics Ltd. and dated 2017 was reviewed as a part of this assessment. The plan depicts the subject site in its current configuration.

Previous Engineering Reports

Paterson has conducted several environmental and geotechnical projects in the area and on the subject site. No environmental concerns with respect to the subject site were identified during the review of previous reports completed by Paterson.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on February 22, 2018. The subject site and Phase I study area were not listed in the NPRI database.

PCB Inventory

A search of national PCB waste storage sites was conducted. One PCB waste storage site was identified at 3971 Greenbank Road, to the east of the subject site, across Greenbank Road.

Ontario Ministry of Environment and Climate Change (MOECC) Instruments

A request was submitted to the MOECC Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MOECC issued instruments for the site. At the time of issuing this report, a response from the MOECC had not been received.

MOECC Coal Gasification Plant Inventory

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

MOECC Incident Reports

A request was submitted to the MOECC Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MOECC for the site or adjacent properties. At the time of issuing this report, a response from the MOECC had not been received.

MOECC Waste Management Records

A request was submitted to the MOECC Freedom of Information office for information with respect to waste management records. At the time of issuing this report, a response from the MOECC had not been received.

MOECC Submission

A request was submitted to the MOECC Freedom of Information office for information with respect to reports related to environmental conditions for the property. At the time of issuing this report, a response from the MOECC had not been received.

MOECC Brownfields Environmental Site Registry

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

MOECC Waste Disposal Site Inventory

The Ontario Ministry of Environment and Climate Change document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. No records were listed for the subject site or for properties 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 web site of the Ontario Ministry of Natural Resources and Forestry (MNRF) on February 22, 2018. No areas of natural significance were identified on the subject site or within the Phase I study area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on February 22, 2018 to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. At the time of issuing this report, a response from the TSSA had not been received. Should the response contain pertinent information, Minto Communities will be notified.

City of Ottawa Landfill Document

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

4.3 Physical Setting Sources

Aerial Photographs

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

1959	The subject property is vacant agricultural fields. A barn appears to be present on the south part of the site, to the north of a farmstead addressed 3818 Barnsdale Road. Surrounding properties are agricultural fields and farmsteads, with Greenbank Road visible to the east and Barnsdale Road to the south.
1966	No significant changes appear to have been made to the subject site or surrounding properties.
1976	(City of Ottawa website) No changes have been made to the subject property. The adjacent lands to the northwest have been developed with an aggregate pit.
1984	Some parts of the subject property are tree covered. Some of the surrounding properties are tree covered.
1993	No significant changes have been made to the subject property or surrounding lands.
2001	No significant changes have been made to the subject property or surrounding lands.
2011	(City of Ottawa website) No significant changes have been made to the subject property or lands in the Phase I study area.
2017	(City of Ottawa website) Some construction access roads and disturbed areas are present on the east side of the subject property, as well as storage containers and construction equipment. The adjacent lands to the northeast have been developed with residential roadways and dwellings.

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

Topographic Maps

Topographic information was obtained from Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 100 m above sea level. The regional topography in the general area of the site slopes downward to the south and east, towards the Rideau River, and to the north, towards the Jock River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website, as a part of this assessment. According to the publication and mapping, the site is situated within the St. Lawrence Lowlands, Till Plains (Drumlinized) physiographic region. According to the mapping description provided: "The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets." The subject site is in the Central St. Lawrence Lowland, "where the land is rarely more than 150 m above sea level, except for the Monteregion Hills, which consist of intrusive igneous rocks.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area of the site consists of dolomite of the Oxford Formation. Overburden consists of nearshore marine sediments along Greenbank Road, till in the central part of the site, glaciofluvial deposits in the northwest, and nearshore marine sediments in the southwest part of the subject property.

Surficial drift thickness is 15 to 25 m over the majority of the property, and 10 to 15 m on the east side, along Greenbank Road.

Water Well Records

A search of the MOECCs web site for all drilled well records within 250 m of the subject site was conducted on February 22, 2018. Based on the search results, no wells are present on the subject site. Eleven (11) water supply well records were identified in the Phase I study area. Some active water supply wells may be present in the Phase I study area.

Water Bodies and Areas of Natural Significance

The Rideau River is the closest water body, at approximately 1.9 km to the east of the subject site. No creeks, streams, lakes or other water bodies were identified in the Phase I study area. No areas of natural significance were identified within the Phase I study area.

5.0 INTERVIEWS

The current Minto project manager for the property, Mr. Hugo Lalonde, was interviewed via email as part of the environmental assessment. According to Mr. Lalonde, the aggregate pit to the northwest of the subject property is owned by Marcel Brazeau Ltd., which has an arrangement with Minto to strip the topsoil from the property to the west of the subject site and keep the top soil. Marcel Brazeau Ltd. also uses the unpaved access roads on the subject property and the property to the west to supply sand and granular material to the surrounding Minto lands under development. Mr. Lalonde did not identify any environmental concerns on the subject property or in the Phase I study area.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site assessment was conducted on February 22, 2018. Weather conditions were overcast, with a temperature of approximately -5°C. Personnel from the Environmental Department of Paterson Group conducted the site visit. In addition to the site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site visit.

6.2 Specific Observations at Phase I Property

Buildings and Structures

The subject site is a vacant lot of land. No buildings or permanent structures exist on the subject property. A site office trailer is present to the south of Guinness Crescent, as well as some storage containers and construction materials related to the Phase I development of Quinn's Point. A depiction of the subject site is shown on Drawing PE4246-1 – Site Plan, in the Figures section of this report.

Site Features

The subject site is not developed with any buildings and exists as vacant land with some trees. The site was snow covered at the time of the site visit. A small area on the property is currently used as a construction staging area for the adjacent residential development to the north. A propane tank storage area is present beside Greenbank Road, to the southeast of the site trailer. Some construction access roads are present throughout the property, alongside scattered topsoil piles and construction equipment.

Underground Utilities

The subject site has no underground utilities.

Waste Materials

Construction materials were present on the subject site at the time of the site visit, including used propane tanks. No hazardous waste materials were identified.

Storage Tanks

Propane fuel tanks were present on the subject site at the time of the site visit. The tanks were properly stored and do not pose a concern to the subject land.

Drains, Pits and Sumps

No drains, pits or sumps were present on the subject site at the time of the site visit.

Unidentified Substances

No unidentified substances were present on the subject site at the time of the site visit.

Hazardous Building Materials

No hazardous building materials were present on the subject site at the time of the site visit.

Phase I Study Area

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

- ☐ North - Residential development on the east side and aggregate pits on the west side;
- ☐ South - Barnsdale Road and residential dwellings, followed by residential dwellings and agricultural fields;
- ☐ East - Greenbank Road (and one residential dwelling at the intersection of Greenbank Road and Barnsdale Road), followed by vacant land, residential dwellings, and Star Group International;
- ☐ West - Vacant treed land and agricultural fields, followed by Borrisokane Road.

No Potentially Contaminating Activities were identified on the neighbouring properties in the Phase I study area. Property use within the Phase I study area is presented on Drawing PE4246-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The subject site appears to have never been developed, was historically agricultural fields, and currently exists as partially treed, vacant land.

Potentially Contaminating Activities (PCAs)

Potentially Contaminating Activities (PCAs) were not identified on the subject site or in the Phase I study area.

Areas of Potential Environmental Concern (APECs)

No Areas of Potential Environmental Concern (APECs) were identified on the subject site.

Contaminants of Potential Concern (CPCs)

No contaminants of concern (CPCs) were identified on the Phase I property.

7.2 Conceptual Site Model

Existing Buildings and Structures

The subject site is a vacant lot of land. No buildings or permanent structures exist on the subject property. One (1) site construction trailer and several storage containers are present in the northeast part of the site.

Geological and Hydrogeological Setting

The subject site is located in an area of dolomite bedrock with nearshore marine sediment overburden in the central and southwest sections of the property, and glaciofluvial deposits in the northwest. Drift thickness is 10 to 25 m. Groundwater flow is expected to flow to the southeast, towards the Rideau River.

Water Bodies

The closest major water body is the Rideau River, located approximately 1.9 km to the east of the site. There are no water bodies on the subject site.

Areas of Natural Significance

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

Water Wells

A search of the MOECC's web site for all drilled well records within 250 m of the subject site was conducted on February 22, 2018. Based on the search results, no wells are located on the subject site. Eleven (11) well records were identified in the Phase I study area, for water supply wells. New developments to the north of the subject land have received full municipal services.

Neighbouring Land Use

Neighbouring land use in the Phase I study area is currently agricultural and residential, with an aggregate pit to the northwest. The small portion of the bit that abuts the subject property is no longer in use. Based on the nature of the limited activities that have taken place in the aggregate pit adjacent to the northwest corner of the site, the pit is not considered to pose a risk to the subject property. Neighbouring land use does not pose an environmental concern to the subject site.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, no PCAs were identified on the subject site or in the Phase I study area.

Contaminants of Potential Concern

No CPCs were identified on the subject site.

Assessment of Uncertainty and/or Absence of Information

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

8.0 CONCLUSION

Assessment

A Phase I – Environmental Site Assessment was carried out for a property at the northwest corner of Greenbank Road and Barnsdale Road in the City of Ottawa, Ontario. The purpose of this environmental assessment was to research the past and current use of the subject site and adjacent properties and identify any environmental concerns with the potential to impact the subject property.

Based on a review of historical sources, the subject site has historically consisted of agricultural fields. More recently, the property has been stripped of topsoil and is no longer used for agriculture. No historical potentially contaminating activities (PCAs) were identified on the Phase I property. Surrounding properties have historically been used for agricultural purposes. Lands to the northwest have been quarried for sand and gravel since the 1970s, however they are not considered to pose any risk to the subject site. In a review of the historical sources, no Potentially Contaminating Activities were identified.

Following the historical review, a site visit was conducted. The subject property currently exists as vacant, tree covered land. No environmental concerns were identified on the subject site at the time of the site visit.

The surrounding land use consisted of commercial, residential and vacant properties. No PCAs were identified in the Phase I study area.

Conclusion

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

9.0 STATEMENT OF LIMITATIONS

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

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

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

Paterson Group Inc.



Anna Graham, M.E.S.



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



Report Distribution:

- Minto Communities Inc.
- Paterson Group Inc.

10.0 REFERENCES

Federal Records

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

Provincial Records

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

Municipal Records

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

Local Information Sources

Previous Engineering Reports.
Plan of Survey, prepared by Stantec Geomatics Ltd., dated 2018.

Public Information Sources

Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4246-1 – SITE PLAN

DRAWING PE4246-2 – SURROUNDING LAND USE PLAN



FIGURE 1
KEY PLAN

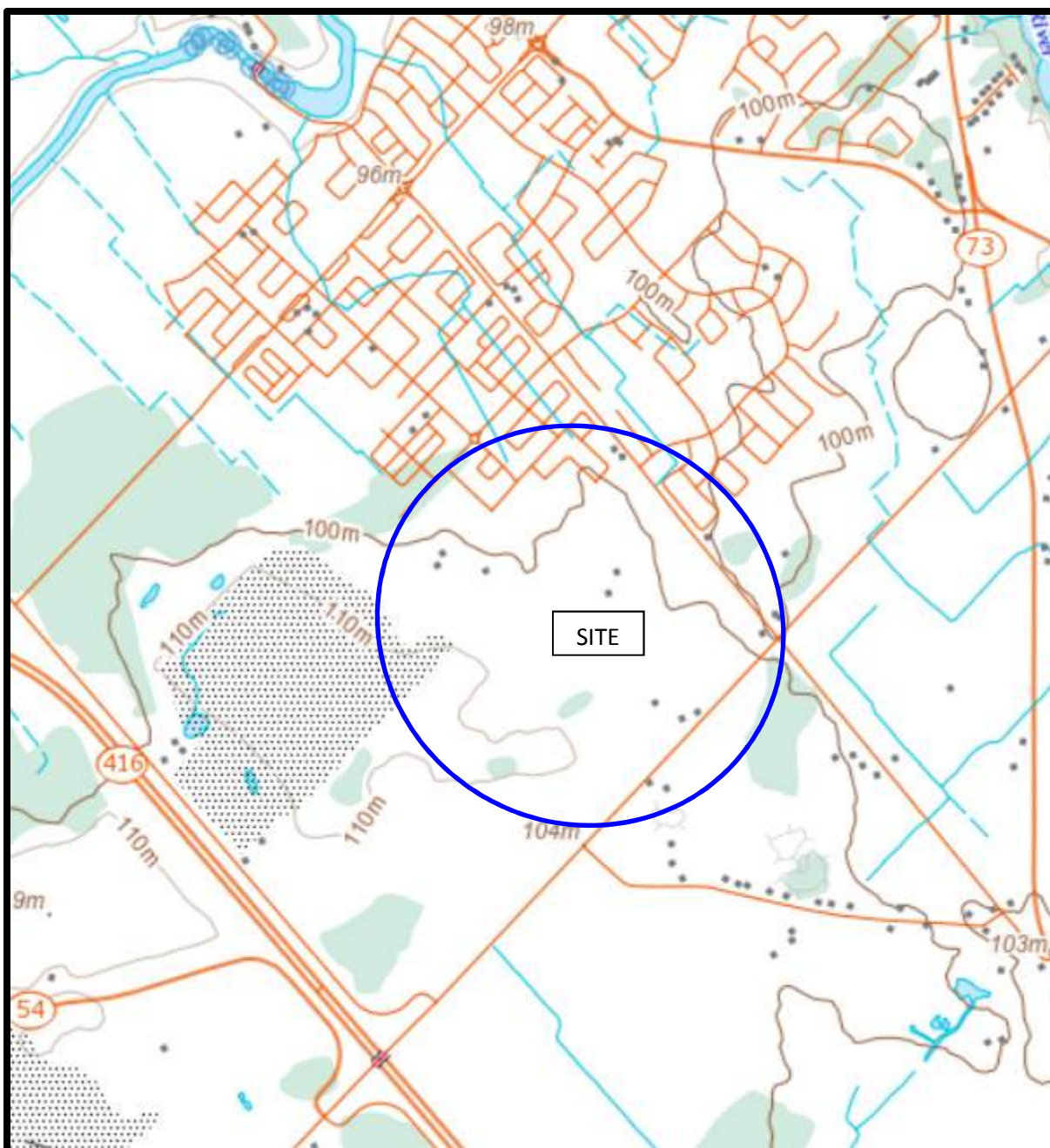
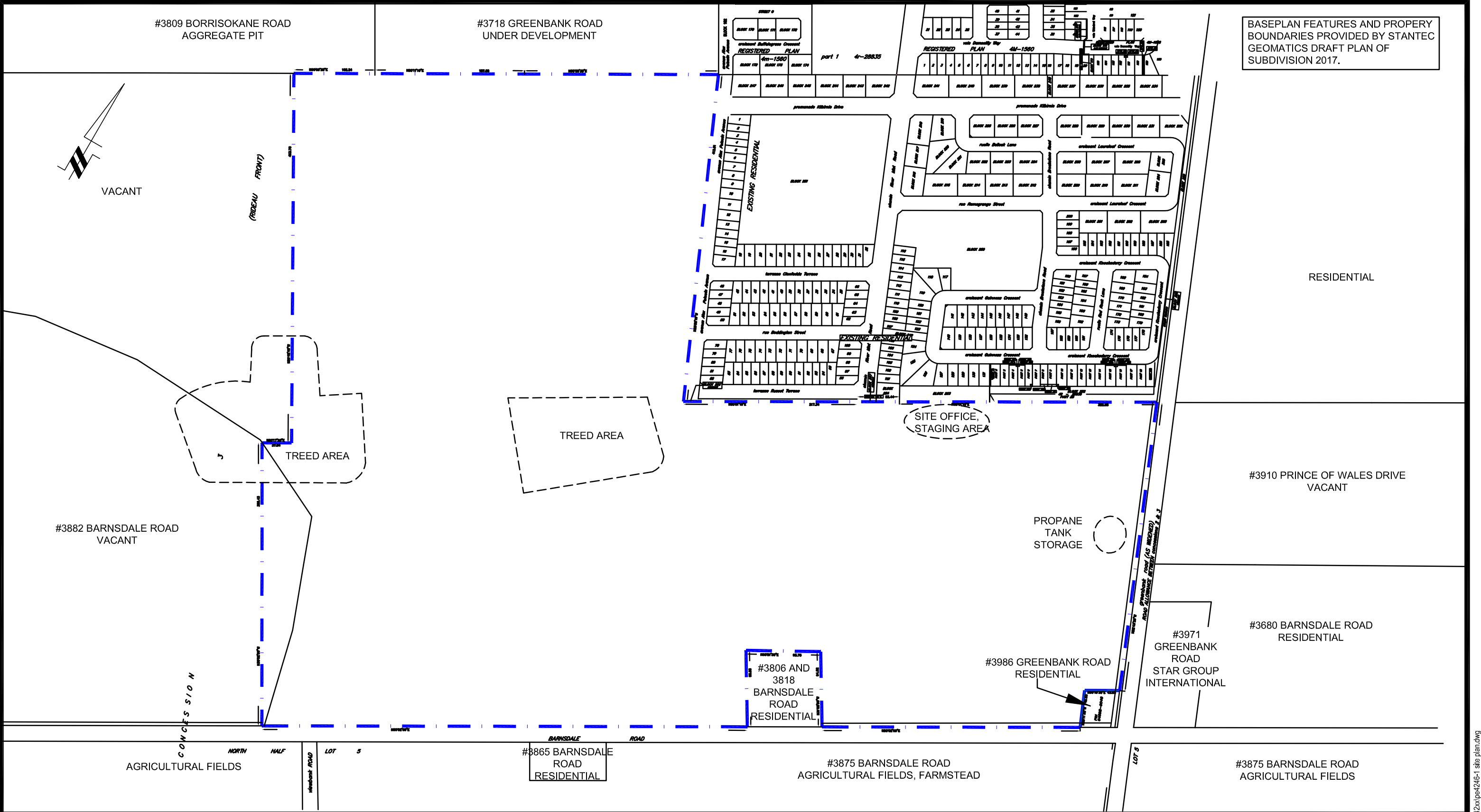


FIGURE 2
TOPOGRAPHIC MAP



BASEPLAN FEATURES AND PROPERTY
BOUNDARIES PROVIDED BY STANTEC
GEOMATICS DRAFT PLAN OF
SUBDIVISION 2017.

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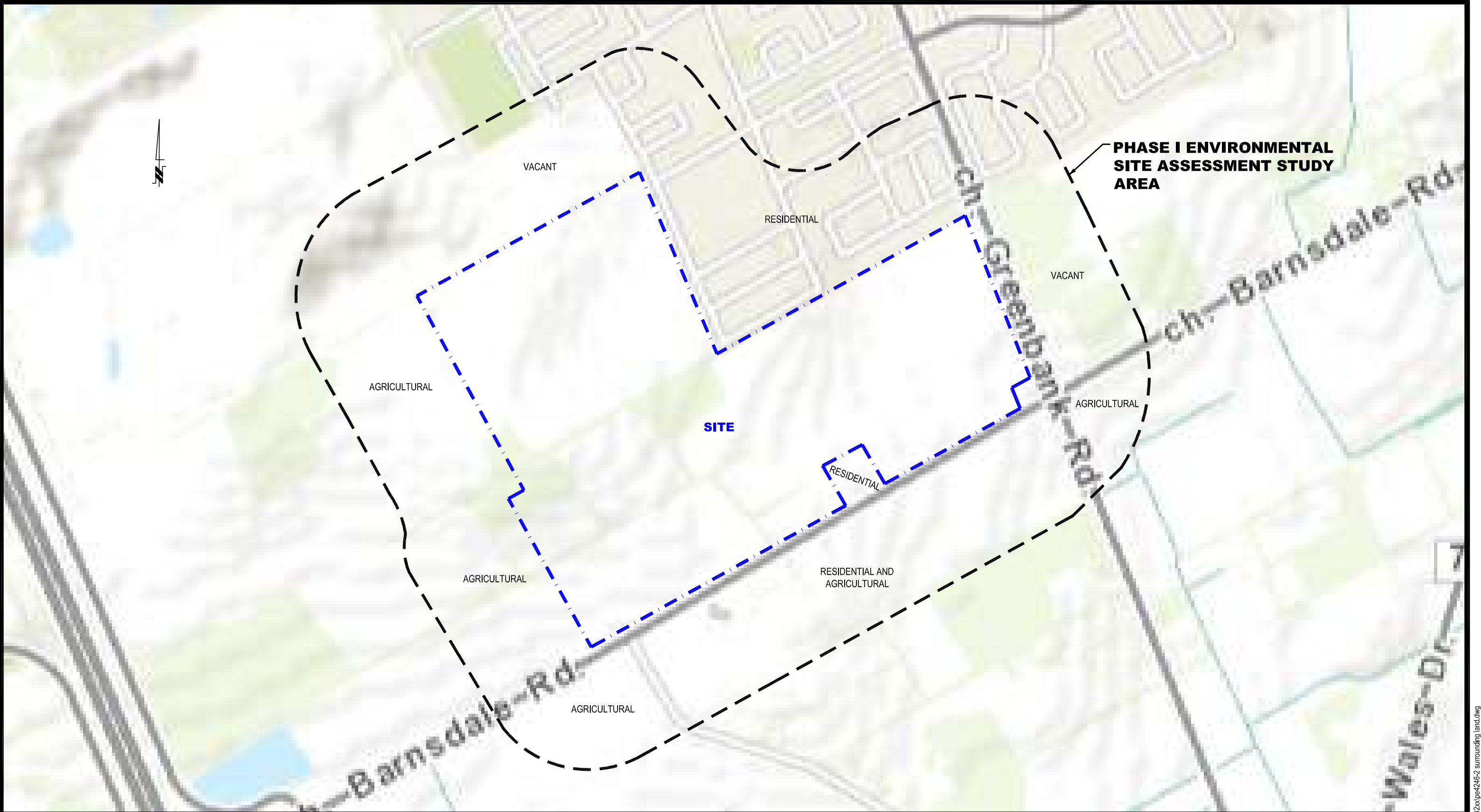
154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

0			
NO.	REVISIONS	DATE	INITIAL

MINTO COMMUNITIES INC.	
PHASE I - ENVIRONMENTAL SITE ASSESSMENT	
QUINN'S POINT - STAGE 2	
OTTAWA,	ONTARIO
Title:	
SITE PLAN	

Scale:	1:4500	Date:	02/2018
Drawn by:	AG	Report No.:	PE4246-1
Checked by:	MD	Dwg. No.:	PE4246-1
Approved by:	MD	Revision No.:	0

p:\autocad drawings\environmental\pe4246\pe4246-1 site plan.dwg



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0			
NO.	REVISIONS	DATE	INITIAL

MINTO COMMUNITIES INC.	
PHASE I - ENVIRONMENTAL SITE ASSESSMENT	
QUINN'S POINT - STAGE 2	
OTTAWA,	ONTARIO
Title:	SURROUNDING LAND USE PLAN

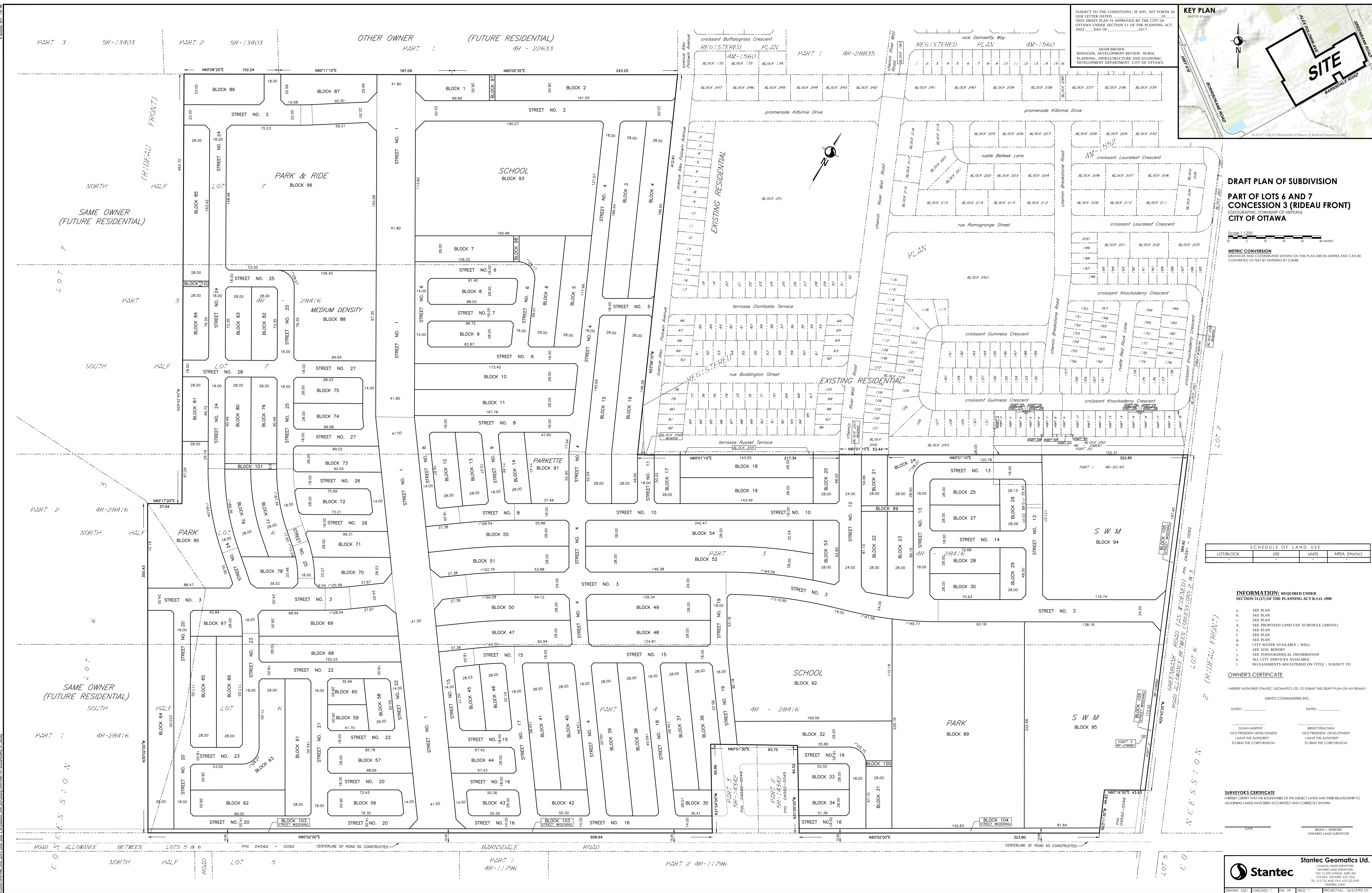
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Drawn by:	AG	Report No.:	PE4246-1
Checked by:	MD	Dwg. No.:	PE4246-2
Approved by:	MSD	Revision No.:	0

APPENDIX 1

DRAFT PLAN OF SUBDIVISION

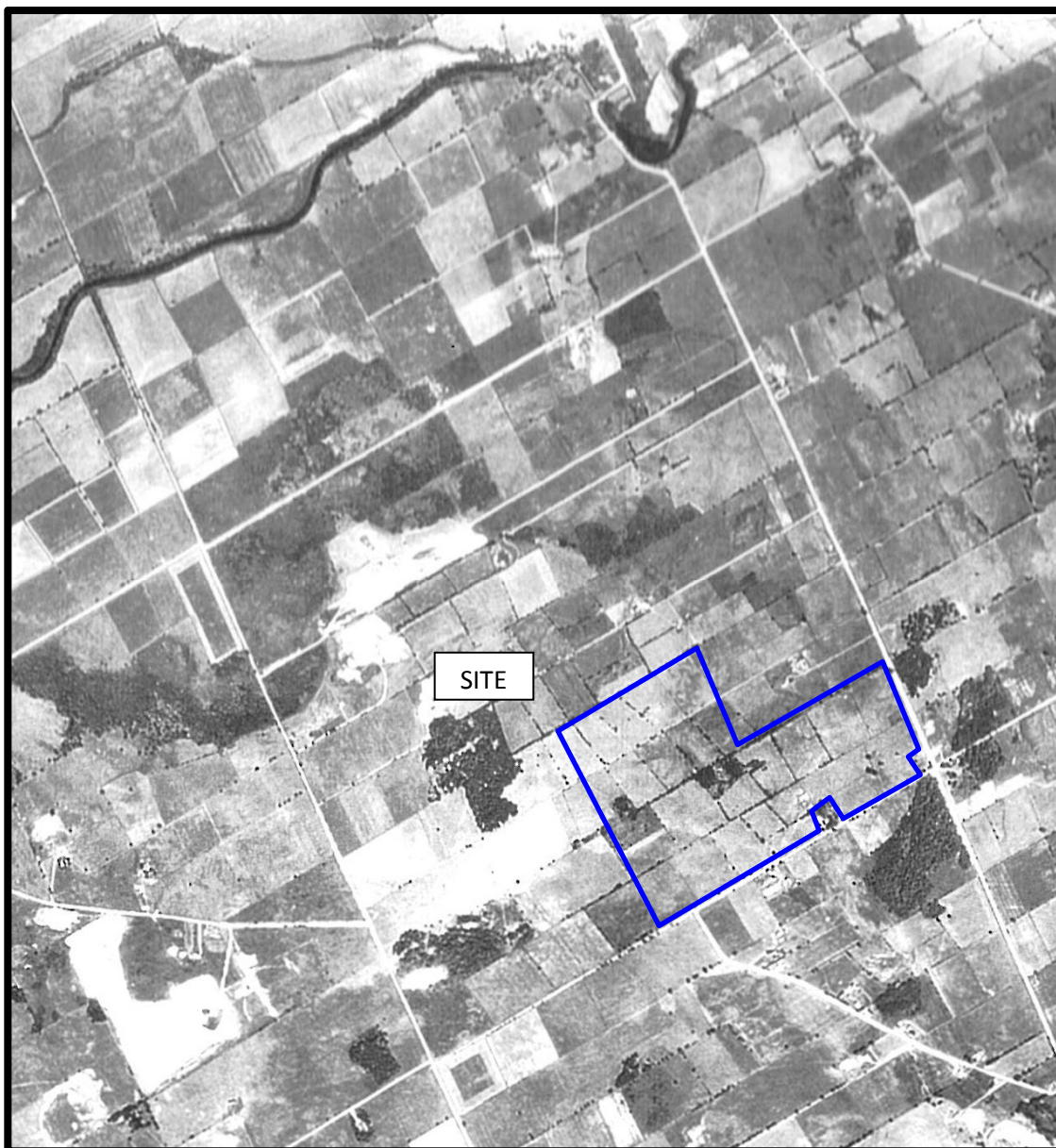
AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

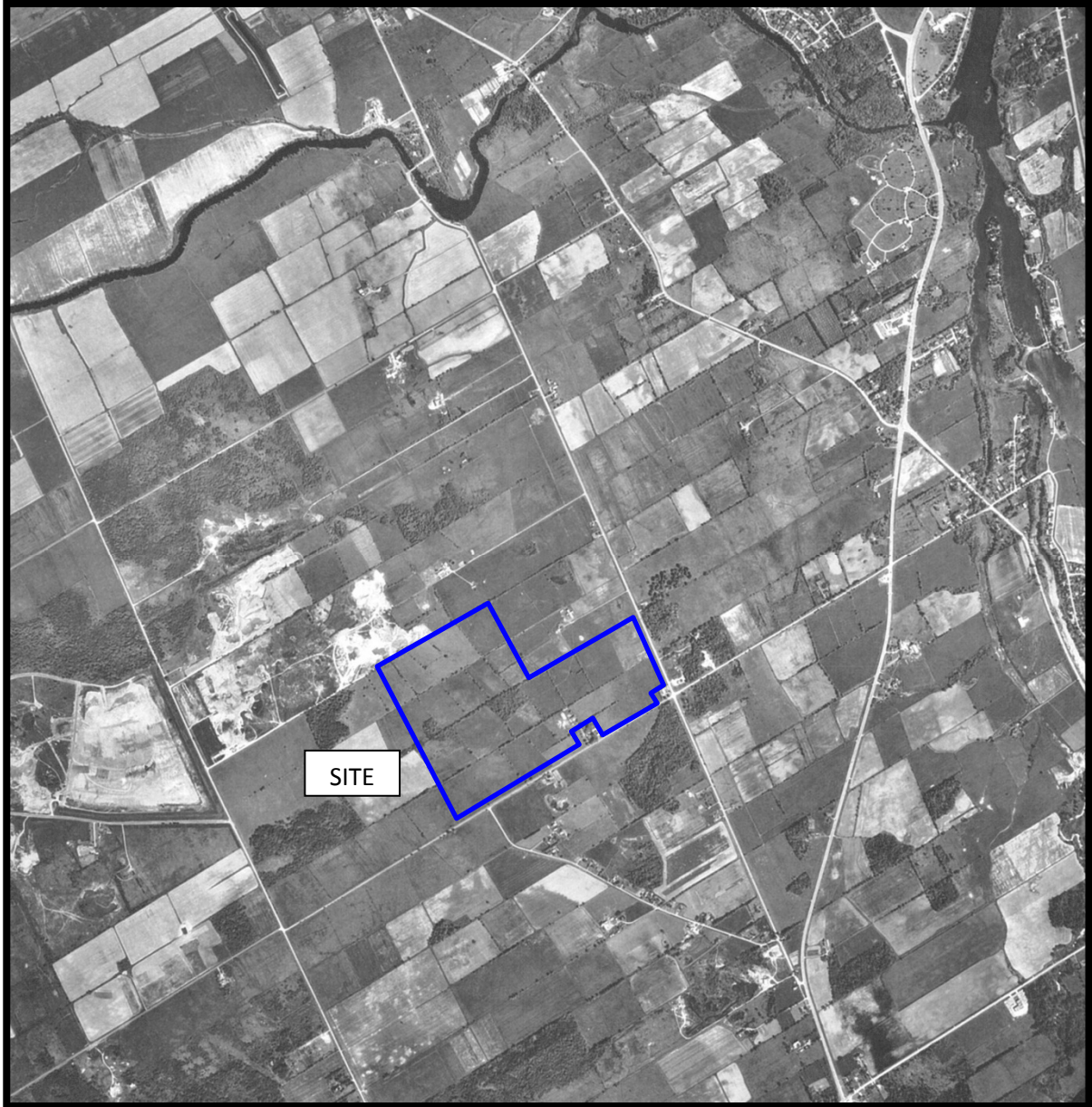




AERIAL PHOTOGRAPH
1959



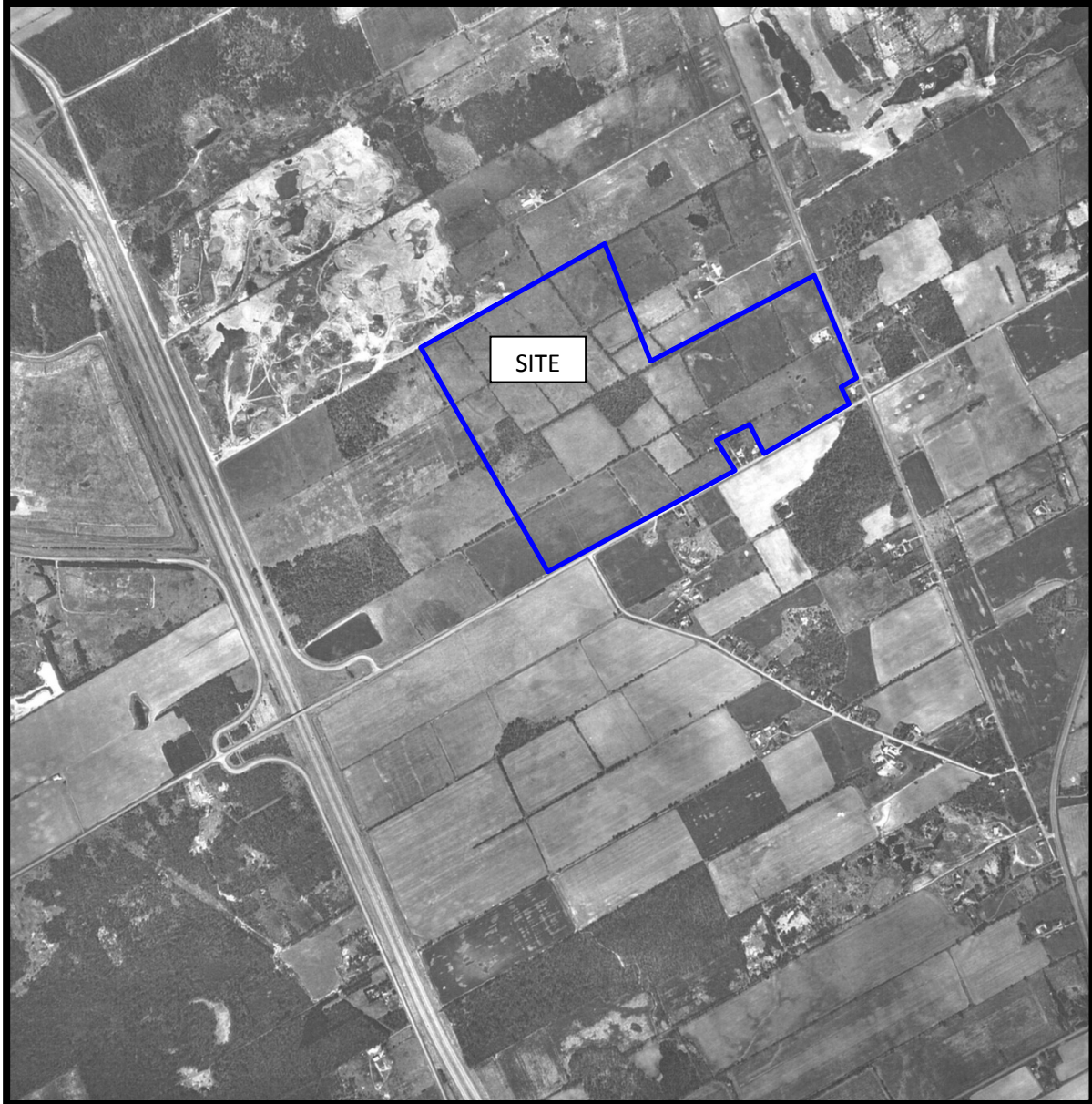
AERIAL PHOTOGRAPH
1966



AERIAL PHOTOGRAPH
1984



AERIAL PHOTOGRAPH
1993



AERIAL PHOTOGRAPH
2001



AERIAL PHOTOGRAPH
2017

Site Photographs

PE4246

Quinn's Point Stage 2, Greenbank Road, Ottawa, ON

February 22, 2018



Photograph 1: View of the south side of the subject property, looking north from Barnsdale Road.



Photograph 2: View of propane tank storage area on the east side of the subject site, near Greenbank Road.

Site Photographs

PE4246

Quinn's Point Stage 2, Greenbank Road, Ottawa, ON

February 22, 2018



Photograph 3: View of the central part of the subject property, looking west.



Photograph 4: Construction site office and storage area south of Russet Terrace, looking north.

Site Photographs

PE4246

Quinn's Point Stage 2, Greenbank Road, Ottawa, ON

February 22, 2018



Photograph 5: View of the central part of the subject property, looking southwest.



Photograph 6: View of the central part of the subject site, looking south from the construction storage area.

Site Photographs

PE4246

Quinn's Point Stage 2, Greenbank Road, Ottawa, ON

February 22, 2018



Photograph 7: North part of the subject site, looking south from Alex Polowin Avenue.



Photograph 8: North part of the subject site, looking north from Alex Polowin Avenue.

APPENDIX 2

MOECC FREEDOM OF INFORMATION SEARCH REQUEST

MOECC WATER WELL RECORDS

TSSA REQUEST

Freedom of Information Request

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

Requester Data			For Ministry Use Only	
Name, Company Name, Mailing Address and Email Address of Requester Anna Graham Paterson Group Inc. 154 Colonnade Road Ottawa, ON K2E 7J5 Email address: agramham@patersongroup.ca			FOI Request No.	Date Request Received
			Fee Paid ☐ ACCT ☐ CHQ ☐ VISA/MC ☐ CASH	
Telephone/Fax Nos. Tel. 613-226-7381 Fax 613-226-6344	Your Project/Reference No. PE4246	Signature/Print /Name of Requester Anna Graham	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ SAC ☐ IEB ☐ EAA ☐ EMR ☐ SWA	
Request Parameters				
Municipal Address / Lot, Concession, Geographic Township (Municipal address essential for cities, towns or regions) No municipal address. Part of Lots 6 and 7, Concession 3, Rideau Front, Geographic Township of Nepean. City of Ottawa, Ontario. PIN: 04592-2105				
Present Property Owner(s) and Date(s) of Ownership Minto Communities Inc., Minto Greenfield GP Inc., and Greenfield Limited Partnership.				
Previous Property Owner(s) and Date(s) of Ownership				
Present/Previous Tenant(s), (if applicable)				
Search Parameters			Specify Year(s) Requested	
Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.				
Environmental concerns (General correspondence, occurrence reports, abatement)			all	
Orders			all	
Spills			all	
Investigations/prosecutions ➤ Owner AND tenant information must be provided			all	
Waste Generator number/classes			all	
Certificates of Approval ➤ Proponent information must be provided				
1985 and prior records are searched manually. Search fees in excess of \$300.00 could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number(s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.				
	SD	Specify Year(s) Requested		
air - emissions		1986-present		
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)		1986-present		
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations		1986-present		
waste water - industrial discharges		1986-present		
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites		1986-present		
waste systems - PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste		1986-present		
pesticides - licenses		1986-present		

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

Basin 25



31G-4g

RECEIVED

1995 №

6038

GEOLOGICAL SURVEY
DEPARTMENT OF MINES

The Water-well Drillers Act, 1954

Department of Mines

Rideau Front

Water-Well Record

RW

County or Territorial District.....*Carlton*.....Township, Village, Town or City.....*Napan*.....

Village, Town or City).....

Address 117 Palmyra Ottawa

(day)

(month)

(year)

Pipe and Casing Record

Pumping Test

Casing diameter(s)	4"	Static level	2 fts
Length(s)	30 ft	Pumping rate	200 gal per hr
Type of screen		Pumping level	2.6 fts
Length of screen		Duration of test	2 hrs

Well Log

Water Record

[illegible]

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? upland.

Drilling firm J B Dugan

Address 1870 Carlina Ave

Name of Driller *Francis Smith*

Address 665 Gilman St

Licence Number.....395.....

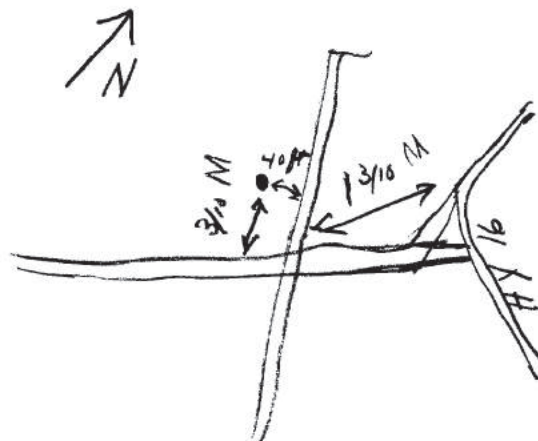
I certify that the foregoing
statements of fact are true.

Date March 14/55

F. Conette
Signature of Licensee

Location of Well

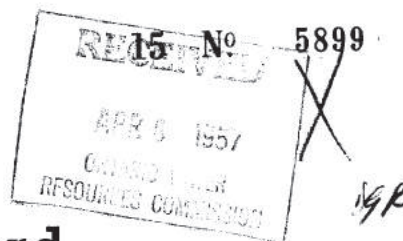
In diagram below show distances of well from road and lot line. Indicate north by arrow.



UTM 118 z 4 43 10 3 10 E
15 N 15 0 0 9 2 4 10 N
 Elev. 4 R 0 3 2 0
 Basin 125 L 1 1



The Water-well Drillers Act, 1954
 Department of Mines



Water-Well Record

County or Territorial District Carleton Township, Village, Town or City Napan
 Con. 2 R.F. Lot 6 Street and Number (if in Village, Town or City) Napan
 Owner School N-9 Napan Address School N-9 Napan
 Date completed 21 (day) March (month) 1957 (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s) <u>4"</u>	Static level <u>236T</u>
Length(s) <u>37</u>	Pumping rate <u>300 GPH</u>
Type of screen	Pumping level <u>59'</u>
Length of screen	Duration of test <u>6 HRS</u>

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>23</u>	<u>165</u>	<u>142</u>	<u>Fresh</u>
<u>Boulder</u>	<u>23</u>	<u>37</u>			
<u>Redwood shale</u>	<u>37</u>	<u>54</u>			
<u>True Stone</u>	<u>54</u>	<u>165</u>			

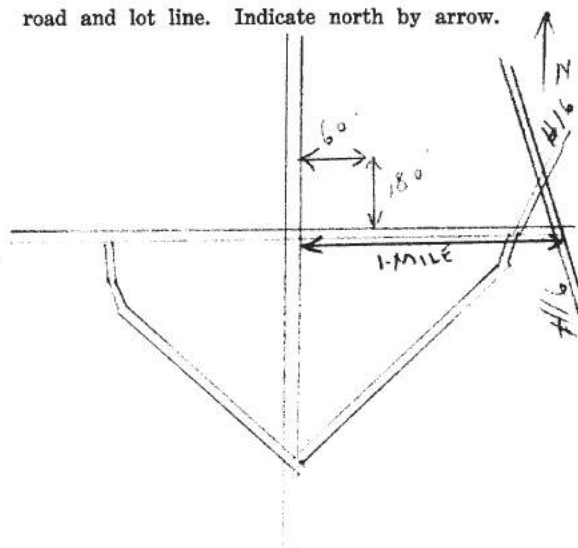
For what purpose(s) is the water to be used? School
 Is water clear or cloudy? Clear
 Is well on upland, in valley, or on hillside? Upland
 Drilling firm F. A. Corsette
 Address 1652 Base Line RD
 Name of Driller F. A. Corsette
 Address
 Licence Number 395

I certify that the foregoing statements of fact are true.

Date April 1/57 F. A. Corsette
 Signature of Licensee

Location of Well

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



Form 5
15M-58-4149

UTM 1182 4420810E



31G4g

15 No 6039

5R 5010915510N

The Ontario Water Resources Commission Act

Elev. 4R 013151

WATER WELL RECORD

Basin 251 11

County or District

Con. III RP

Lot

87

Township, Village, Town or City Nepean

Date completed 28

(day)

month

year

Oct 1965

Address

RR #3 Ottawa

Casing and Screen Record

Inside diameter of casing 5"

Total length of casing 66'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5"

Pumping Test

Static level 21'

Test-pumping rate 10 G.P.M.

Pumping level 21'

Duration of test pumping 1 hr

Water clear or cloudy at end of test cloudy

Recommended pumping rate 5 G.P.M.

with pump setting of 50 feet below ground surface

Well Log

Overburden and Bedrock Record

sand
limestone
gravelFrom
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)0'
58'
65'58'
65'
67'

67'

fresh

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

dairy farm

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

upland

Drilling or Boring Firm

Capital Water
Supply

Address

1243 Heron Rd
Ottawa 733-0600

Licence Number

1687

Name of Driller or Borer

Gerry

Address

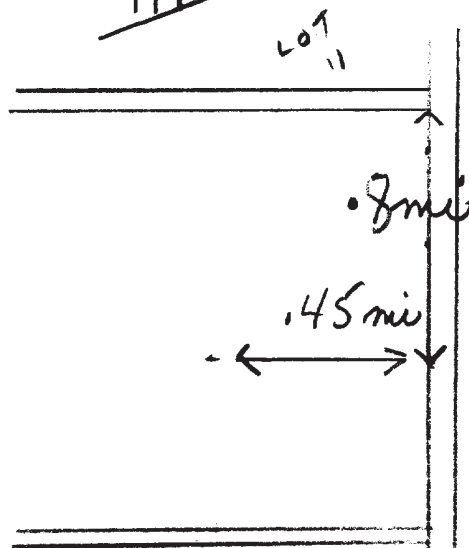
Date

Oct 28 1965

Thatcher Lavanagh
(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.

OWRC COPY

UTM 118 14421545E



31G4g

15 N 6036

15R 15101914910N

The Ontario Water Resources Commission Act

Elev. 14R 0131351

WATER WELL RECORD

Basin 1251 L1E Appleton

Township, Village, Town or City

County or District 3 RP Lot 67

Date completed

(day)

month

year

Address

Casing and Screen Record

Pumping Test

Inside diameter of casing 3

Total length of casing 100

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5

Static level 32

Test-pumping rate 7 G.P.M.

Pumping level 42

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 80 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)

Boulder clay

0

43

Sand

43

75

Gravel

75

99

Limestone

99

105

105

Fresh

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

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

Drilling or Boring Firm

Address

Licence Number

Name of Driller or Borer

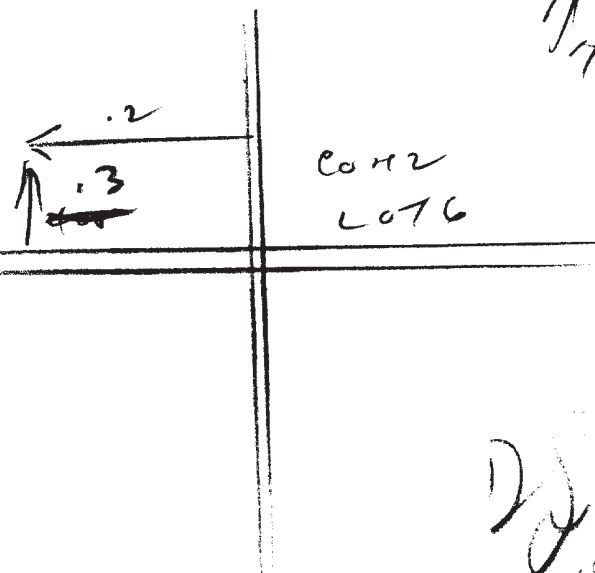
Address

Date

(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 Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED

2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

1527392

MUNICIPALITY

MUNICIP. 150.00

CON

CON.
|CON.

10.3

COUNTY OR DISTRICT	TOWNSHIP BOROUGH CITY TOWN VILLAGE	CON BLOCK TRACT SURVEY ETC	LOT
	Nepean	3	6
		DATE COMPLETED	48-53
Applehill Way, R.R. #2 Nepean, Ontario		DAY 26	MO 8
		YEAR 93	
RC	ELEVATION	RC	BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible][illegible]

41		WATER RECORD	
WATER FOUND AT - FEET		KIND OF WATER	
10-13	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERALS	14
65	NOT TESTED		
15-18	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS	19
20-23	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS	24
25-28	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS	29
30-33	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS	34-36

51		CASING & OPEN HOLE RECORD			
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET		
			FROM	TO	
10-11	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	12	0	61	
17-18	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	19	61	73	
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	26		27-30	

SCREEN	SIZE OF OPENING (SLOT NO.)	31-33	DIAMETER	34-38	LENGTH	39-40
	INCHES			FEET		
	MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN	41-44	10	
				FEET		

61		PLUGGING & SEALING RECORD	
DEPTH SET AT		FEET	
FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)	
10-13	14-17		
60	0	Cement - Grouted (6)	
18-21	22-25		
26-29	30-33	80	

71	PUMPING TEST METHOD		10	PUMPING RATE		11-14	DURATION OF PUMPING	
	1 ☒ PUMP	2 ☐ BAILER		20		GPM	1 15-16 HOURS	17-18 MINS
	STATIC LEVEL		23	WATER LEVELS DURING		1 ☐ PUMPING	2 ☒ RECOVERY	
	19-21	22-24	15 MINUTES 20-20	30 MINUTES 20-31	45 MINUTES 32-34	60 MINUTES 35-37		
	29 FEET	40 FEET	29 FEET	29 FEET	29 FEET	29 FEET		
IF FLOWING, GIVE RATE		GPM	PUMP INTAKE SET AT		FEET	WATER AT END OF TEST		42
RECOMMENDED PUMP TYPE			RECOMMENDED PUMP SETTING		43-45 50 FEET	RECOMMENDED PUMPING RATE		46-49 5 GPM
☐ SHALLOW ☒ DEEP								

34 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	☐ DEWATERING
55-56 WATER USE	1 ☒ DOMESTIC	5 ☐ COMMERCIAL
	2 ☐ STOCK	6 ☐ MUNICIPAL
	3 ☐ IRRIGATION	7 ☐ PUBLIC SUPPLY
	4 ☐ INDUSTRIAL	8 ☐ COOLING OR AIR CONDITIONING
	☐ OTHER _____	9 ☐ NOT USED
57 METHOD OF CONSTRUCTION	1 ☐ CABLE TOOL	6 ☐ BORING
	2 ☐ ROTARY (CONVENTIONAL)	7 ☐ DIAMOND
	3 ☐ ROTARY (REVERSE)	8 ☐ JETTING
	4 ☐ ROTARY (AIR)	9 ☐ DRIVING
	5 ☐ AIR PERCUSSION	☐ DIGGING ☐ OTHER _____

LOCATION OF WELL

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

Hwy #16

Maplehill Lane

19'3"

22'3"

House #23

135967

CONTRACTOR	NAME OF WELL CONTRACTOR		WELL CONTRACTOR'S LICENCE NUMBER	
	Capital Water Supply Ltd.		1558	
	ADDRESS			
	Box 490 Stittsville, Ontario K2S 1A6			
	NAME OF WELL TECHNICIAN		WELL TECHNICIAN'S LICENCE NUMBER	
	S. Miller/T. Harrison		T0097/T2251	
	SIGNATURE OF TECHNICIAN/CONTRACTOR		SUBMISSION DATE	
			DAY 30 MO 8 YR 93	

OFFICE USE ONLY	DATA SOURCE	58	CONTRACTOR	59-62	DATE RECEIVED	63-68	00
			1558		SEP 21 1993		
	DATE OF INSPECTION		INSPECTOR				
	REMARKS						

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11

1529611

Municipality
15008
Con.
RF
03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
	Nepean	3 North Rideau Fr.	5
Address		Date completed	
3875 Barnsdale Rd Nepean		8 day 9 month 97 year	

General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
Brown	Sandy Clay & Boulders		Packed	0	7
Brown	Sand		Packed	7	30
Brown	Sand & Gravel		Packed	30	74
GREY	Sand & Gravel		Packed	74	84 1/2
GREY	Sandy Clay & Boulder		Hard Pan Packed	84 1/2	94
GREY	Limestone		MED HARD	94	110
96' of 6 1/4" casing 1 Heavy DRIVE shoe 1 Well Cap 4 Bags of Cement					

31	32
----	----

41 WATER RECORD Water found at - feet 108 Kind of water ☒ Fresh ☐ Sulphur ☐ Minerals ☐ Gas ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas 15-18 ☐ Fresh ☐ Sulphur ☐ Minerals ☐ Gas ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas 20-25 ☐ Fresh ☐ Sulphur ☐ Minerals ☐ Gas ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas 25-28 ☐ Fresh ☐ Sulphur ☐ Minerals ☐ Gas ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas 30-33 ☐ Fresh ☐ Sulphur ☐ Minerals ☐ Gas ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas		51 CASING & OPEN HOLE RECORD <table border="1"> <tr> <th>Inside diam inches</th> <th>Material</th> <th>Wall thickness inches</th> <th>Depth - feet</th> </tr> <tr> <td>6 1/4</td> <td>Steel</td> <td>.188</td> <td>0 94 1/2</td> </tr> <tr> <td>5 1/2</td> <td>Galvanized</td> <td></td> <td>94 1/2 110</td> </tr> <tr> <td></td> <td>Concrete</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Open hole</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Plastic</td> <td></td> <td></td> </tr> </table>		Inside diam inches	Material	Wall thickness inches	Depth - feet	6 1/4	Steel	.188	0 94 1/2	5 1/2	Galvanized		94 1/2 110		Concrete				Open hole				Plastic			61 PLUGGING & SEALING RECORD ☐ Annular space ☐ Abandonment Depth set at - feet From To Material and type (Cement grout, bentonite, etc.) 0 20 Cement Grout 18-21 20-25 26-29 30-33 80	
Inside diam inches	Material	Wall thickness inches	Depth - feet																										
6 1/4	Steel	.188	0 94 1/2																										
5 1/2	Galvanized		94 1/2 110																										
	Concrete																												
	Open hole																												
	Plastic																												

71 PUMPING TEST Pumping test method ☐ Pump ☒ Bailor Static level Water level end of pumping 35 feet 37 feet 15 minutes 30 minutes 45 minutes 60 minutes 37 feet 37 feet 37 feet 37 feet If flowing give rate GPM Pump intake set at feet Water at end of test ☒ Clear ☐ Cloudy Recommended pump type ☐ Shallow ☒ Deep Recommended pump setting 50 feet Recommended pump rate 12 GPM	Pumping rate 50 GPM Duration of pumping 1 Hours 15 Mins
---	--

FINAL STATUS OF WELL ☒ Water supply ☐ Abandoned, insufficient supply ☐ Unfinished ☐ Observation well ☐ Abandoned, poor quality ☐ Replacement well ☐ Test hole ☐ Abandoned (Other) ☐ Recharge well ☐ Dewatering	
WATER USE ☒ Domestic ☐ Commercial ☐ Not used ☐ Stock ☐ Municipal ☐ Other ☐ Irrigation ☐ Public supply ☐ Industrial ☐ Cooling & air conditioning	
METHOD OF CONSTRUCTION ☒ Cable tool ☐ Air percussion ☐ Driving ☐ Rotary (conventional) ☐ Boring ☐ Digging ☐ Rotary (reverse) ☐ Diamond ☐ Other ☐ Rotary (air) ☐ Jetting	

LOCATION OF WELL In diagram below show distances of well from road and lot line. Indicate north by arrow. Barnsdale RD 0.7 KM GREENBANK RD Pitless Pumped Well with Jet pump For 4 hrs until clear. 180704
--

Name of Well Contractor B. MOORE WELL DRILLING Address Main St. OSBOURNE ONT Name of Well Technician Bob Moore Signature of Well Technician/Contractor Bob Moore	Well Contractor's Licence No. 6455 KOA 2WO Well Technician's Licence No. T-0319 Submission date 8 mo 9 yr 97	Data source 6455 Date received SEP 17 1997 Date of inspection Inspector Remarks
---	--	---



The Ontario Water Resources Act WATER WELL RECORD

Mark correct box with a checkmark, where applicable.

1533597

Con.

03

County or District Ottawa Carleton	Township/Borough/City/Town/Village Nepean	Con block tract survey, etc. 3	Lot 5
Address Manotick, Ont		Date completed 14 day 03 month 02 year	

[illegible][illegible]

41		10		14		15		21	
WATER RECORD									
Water found at - feet			Kind of water						
10-13 95			1	☐ Fresh	3	☐ Sulphur	14		
			2	☐ Salty	4	☐ Minerals			
15-18			1	☐ Fresh	3	☐ Sulphur	19		
			2	☐ Salty	4	☐ Minerals			
20-23			1	☐ Fresh	3	☐ Sulphur	24		
			2	☐ Salty	4	☐ Minerals			
25-28			1	☐ Fresh	3	☐ Sulphur	29		
			2	☐ Salty	4	☐ Minerals			
30-33			1	☐ Fresh	3	☐ Sulphur	34		
			2	☐ Salty	4	☐ Minerals			
			1	☐ Fresh	3	☐ Gas			
			2	☐ Salty	4	☐ Minerals			
			1	☐ Fresh	3	☐ Gas			
			2	☐ Salty	4	☐ Minerals			
			1	☐ Fresh	3	☐ Gas			
			2	☐ Salty	4	☐ Minerals			

51		32		43	
CASING & OPEN HOLE RECORD					
Inside diam inches	Material	Wall thickness inches	Depth - feet		
			From	To	
10-11	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	12		13-16	
6 1/4		188	0	90	
17-18	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	19		20-23	
8 3/4			0	88	
24-25	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	26		27-30	
6			88	112	

SCREEN	Sizes of opening (Slot No.)	31-33	Diameter	34-38	Length	39-40
			inches		feet	
	Material and type				Depth at top of screen	41-44
				feet		

61 PLUGGING & SEALING RECORD			
☒ Annular space		☐ Abandonment	
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)	
From	To		
20-13	14-17	bentonite	
2	90		
18-21	22-25		
26-29	30-33	80	

PUMPING TEST	Pumping test method ¹⁰ ☒ Pump ☐ Bailer		Pumping rate ¹¹⁻¹⁴ 30 GPM		Duration of pumping ¹⁵⁻¹⁶ 1 Hours ¹⁷⁻¹⁸ Mins	
	Static level ¹⁹⁻²¹ 39 feet		Water level end of pumping ²²⁻²⁴ 80 feet		Water levels during ²⁵ ☐ Pumping ☒ Recovery	
	15 minutes ²⁶ 39 feet		30 minutes ²⁷⁻³¹ 39 feet		45 minutes ³²⁻³⁴ 39 feet	
	60 minutes ³⁵⁻³⁷ 39 feet		If flowing give rate ³⁸⁻⁴¹ GPM		Pump intake set at ⁴² feet	
	Recommended pump type ⁴³⁻⁴⁵ ☐ Shallow ☒ Deep		Recommended pump setting ⁴⁶⁻⁴⁹ 80 feet		Water at end of test ⁵⁰ ☐ Clear ☒ Cloudy	

FINAL STATUS OF WELL			54
1 ☒ Water supply	5 ☐ Abandoned, insufficient supply	9 ☐ Unfinished	
2 ☐ Observation well	6 ☐ Abandoned, poor quality	10 ☐ Replacement well	
3 ☐ Test hole	7 ☐ Abandoned (Other)		
4 ☐ Recharge well	8 ☐ Dewatering		

WATER USE			55-56
1 ☒ Domestic	5 ☐ Commercial	9 ☐ Not use	
2 ☐ Stock	6 ☐ Municipal	10 ☐ Other	
3 ☐ Irrigation	7 ☐ Public supply		
4 ☐ Industrial	8 ☐ Cooling & air conditioning		

METHOD OF CONSTRUCTION			57
1 ☐ Cable tool	5 ☒ Air percussion	9 ☐ Driving	
2 ☐ Rotary (conventional)	6 ☐ Boring	10 ☐ Digging	
3 ☐ Rotary (reverse)	7 ☐ Diamond	11 ☐ Other	
4 ☐ Rotary (air)	8 ☐ Jetting		

LOCATION OF WELL

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

3865 Barnsdale Rd

55' ↓ 13' w

Greenbank

248241

Name of Well Contractor	Well Contractor's Licence No.
Air Rod Dr. Ugloltd	1119
Address	
RR #1 Richmond, Ont	
Name of Well Technician	Well Technician's Licence No.
Shannon Purcell	12122
Signature of Technician/Contractor	Submission date
<i>[Signature]</i>	day 24 month 03 yr

MINISTRY USE ONLY	Data source	58	Contractor	59-62	Date received	63-66	80
	1119		MAR 31 2003				
	Date of inspection		Inspector				
	Remarks						
	CSS.ES3						

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- [Change the address on identification cards](#)
- [Driving and Roads](#)

Map: Well records

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

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

Recommended for you

[How to use a Ministry of the Environment map](#)[Technical documentation: Metadata record](#)[Go Back to Map](#)

Well ID

Well ID Number: 7255477

Well Audit Number: Z202640

Well Tag Number:

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

Well Location

Address of Well Location	3900 GREEN BARK ROAD
Township	NEPEAN TOWNSHIP
Lot	007
Concession	RF 03
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	NEPEAN
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 442454.00
	Northing: 5009708.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 ft	6 ft	BACKFILL	
6 ft	14 ft	3/8 HOLEPLUG	
0 ft	14 ft	18" DUG WELL ABANDONMENT	

Method of Construction & Well Use

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

Status of Well

Abandoned-Other

Construction Record - Casing

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

Construction Record - Screen

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

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1119

Results of Well Yield Testing

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

Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Y

Draw Down & Recovery

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

Water Details

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

Hole Diameter

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

Audit Number: Z202640**Date Well Completed:** October 01, 2015**Date Well Record Received by MOE:** January 06, 2016

Updated: February 2, 2018

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Map: Well records

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Recommended for you

[How to use a Ministry of the Environment map](#)[Technical documentation: Metadata record](#)[Go Back to Map](#)

Well ID

Well ID Number: 7244943

Well Audit Number: Z191499

Well Tag Number:

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

Well Location

Address of Well Location	3971 GREENBANK ROAD
Township	NEPEAN TOWNSHIP
Lot	006
Concession	RF 02
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 443039.00 Northing: 5009459.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
161 ft	6 ft	3/8 HOLEPLUG	

Method of Construction & Well Use

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

Status of Well

Abandoned-Other

Construction Record - Casing

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

Construction Record - Screen

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

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1119

Results of Well Yield Testing

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

Final water level

If flowing give rate

Recommended pump depth

Recommended pump rate

Well Production

Disinfected?

Draw Down & Recovery

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

Water Details

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

Hole Diameter

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

Audit Number: Z191499**Date Well Completed:** June 25, 2015**Date Well Record Received by MOE:** July 21, 2015

Updated: February 2, 2018

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

N/A

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☒ Imperial

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	MINTO COMMUNITIES INC.		
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code Telephone No. (inc. area code)
#200-180 Kent Street	Ottawa	Ont	K1P0B6

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
39-9416 WINNESS CRESCENT	RIDEAU	X	X
County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA CARLETON	NEPEAN	Ontario	
UTM Coordinates Zone Easting Northing	Municipal Plan and Sublot Number	Other	
NAD 83 18 442556 5009772	Lot 117-118		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
	5" Drilled well Abandonment			0' 8'
* NO MOETAG / NO MOE WWR				

Annular Space			Results of Well Yield Testing			
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify	Draw Down Time (min) Water Level (m/ft)	Recovery Time (min) Water Level (m/ft)	
8' 4'	3/8" Hole Plug	1 Bag		1	1	
4' 0'	Backfill			2	2	

Method of Construction			Well Use		
☐ Cable Tool ☐ Rotary (Conventional) ☐ Rotary (Reverse) ☐ Boring ☐ Air percussion ☐ Other, specify	☐ Diamond ☐ Jetting ☐ Driving ☐ Digging	☐ Public ☐ Domestic ☐ Livestock ☐ Industrial ☐ Other, specify	☐ Commercial ☐ Municipal ☐ Test Hole ☐ Cooling & Air Conditioning	☐ Not used ☐ Dewatering ☐ Monitoring	
Construction Record - Casing			Status of Well		
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From To	☐ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify	
Construction Record - Screen			Map of Well Location		
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From To	Please provide a map below following instructions on the back.	
				200' ↓ 0.4 KM ← Breakstone Road	

Water Details			Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify	Depth (m/ft) From To	Diameter (cm/in)	
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify			
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify			

Well Contractor and Well Technician Information			
Business Name of Well Contractor	Well Contractor's Licence No.		
HR Rock DRILLING LTD	1119		
Business Address (Street Number/Name)	Municipality		
1119	RICHMOND		
Province	Postal Code	Business E-mail Address	
ONT	K0A0Z0		
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)		
613838 2170	DANIEL RICHMOND		
Well Technician's Licence No.	Signature of Technician and/or Contractor Date Submitted		
IT4	2016 09 30		

Well owner's information package delivered ☒ Yes ☐ No	Date Package Delivered 2016 06 09	Ministry Use Only Audit No. 2237191 OCT 11 2016 Received
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Well ID

Well ID Number: 7292232

Well Audit Number: C30080

Well Tag Number: A200815

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

Well Location

Address of Well Location	
Township	NEPEAN TOWNSHIP
Lot	006
Concession	RF 03
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 441955.00
	Northing: 5009210.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

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

Method of Construction & Well Use

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

Status of Well

Construction Record - Casing

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

Construction Record - Screen

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

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

Results of Well Yield Testing

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

Recommended pump depth**Recommended pump rate****Well Production****Disinfected?****Draw Down & Recovery**

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

Water Details

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

Hole Diameter

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

Audit Number: C30080**Date Well Completed:** July 21, 2016**Date Well Record Received by MOE:** August 09, 2017

Updated: February 2, 2018

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Anna Graham

From: Anna Graham
Sent: February-22-18 10:20 AM
To: 'Public Information Services'
Subject: Records search request for Barnsdale Road and Greenbank Road, Ottawa

Good morning,

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

3718 Greenbank Road
3971 Greenbank Road
3976 Greenbank Road
3575 Barnsdale Road
3806 Barnsdale Road
3816 Barnsdale Road
3865 Barnsdale Road
3875 Barnsdale Road
3882 Barnsdale Road
3809 Borrisokane Road

Thank you,

Anna Graham, B.Sc., M.E.S.
patersongroup
solution oriented engineering

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381 Ext. 228
Fax: (613) 226-6344
Email: agraham@patersongroup.ca

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

POSITION

Environmental Assessor

EDUCATION

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

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

EXPERIENCE

2014 to Present

Paterson Group Inc.
Consulting Engineers
Environmental Assessor

2013 to 2014

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

PROJECTS

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

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

POSITION

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

EDUCATION

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

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present

Paterson Group Inc.

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

SELECT LIST OF PROJECTS

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